ornl

OAK RIDGE NATIONAL LABORATORY

MARTIN MARIETTA

Carbon Dioxide Enrichment: Data on the Response of Cotton to Varying CO$_2$, Irrigation, and Nitrogen

B. A. Kimball
J. R. Mauney
R. L. La Morte
G. Guinn
F. S. Nakayama
J. W. Radin
E. A. Lakatos
S. T. Mitchell

L. L. Parker
G. J. Peresta
P. E. Nixon III
B. Savoy
S. M. Harris
R. MacDonald
H. Pros
J. Martinez

Environmental Sciences Division

CARBON DIOXIDE ENRICHMENT: DATA ON THE RESPONSE OF COTTON TO VARYING CO_2, IRRIGATION, AND NITROGEN

Contributed by

B. A. Kimball[1], J. R. Mauney[2], R. L. La Morte[1], G. Guinn[2], F. S. Nakayama[1],

J. W. Radin[2], E. A. Lakatos[3], S. T. Mitchell[1], L. L. Parker[2], G. J. Peresta[1],

P. E. Nixon III[1], B. Savoy[2], S. M. Harris[1], R. MacDonald[2], H. Pros[2], and J. Martinez[1]

[1] U.S. Water Conservation Laboratory and [2] Western Cotton Research Laboratory
U.S. Department of Agriculture, Agricultural Research Service
Phoenix, Arizona

[3] Soil and Water Science Department
University of Arizona
Tucson, Arizona

NOTICE This document contains information of a preliminary nature. It is subject to revision or correction and therefore does not represent a final report.

TABLE OF CONTENTS

TABLE OF CONTENTS (continued)

LIST OF TABLES

ACKNOWLEDGEMENTS

ABSTRACT

This document presents results from field CO_2-enrichment experiments conducted over five consecutive growing seasons, 1983–1987. These results comprise data concerning the effects of continuous CO_2 enrichment on the growth of cotton under optimal and limiting levels of water and nitrogen. Unlike many prior CO_2 enrichment experiments in growth chambers or greenhouses, these studies were conducted on field-planted cotton at close to natural conditions using the open-top chamber approach. Measurements were made on a variety of crop response variables at intervals during the growing season and upon crop harvest. The 1983 experiment was conducted on the lysimeter field at the U.S. Water Conservation Laboratory, Phoenix, Arizona, whereas the experiments during the four subsequent years were conducted at a site near the Western Cotton Research Laboratory, Phoenix, Arizona. The initial experiment examined the effects of varying CO_2 concentration only. In the following two seasons, the interactive effects of CO_2 concentration and water availability were studied. In the final two seasons, the effects of the three-way interaction between CO_2 concentration, water availability, and nitrogen fertility were investigated.

The data comprise three types of information: identification variables (such as year, institution and site codes, and treatment regimens), intermediate growth measurements (such as plant height, leaf area index, number of flowers, and dry weight of leaves) taken at various times during the growing season, and crop harvest results (such as lint yield, seed yield, and total aboveground dry biomass). They are available free of charge as a numeric data package (NDP) from the Carbon Dioxide Information Analysis Center. The NDP consists of this document and a magnetic tape (or a floppy diskette, upon request) containing machine-readable files. This document provides sample listings of the CO_2 enrichment response data as they appear on the magnetic tape or floppy diskette, offers retrieval program listings (in FORTRAN and SAS[*] languages), and defines limitations and restrictions of the data. In addition, this document provides detailed descriptions of the design and methodology of these experiments, as well as a complete hard copy listing of all of the data, in the form of a supplemental text provided as an appendix.

These data will be useful for elucidating the possible future effects on crop production of a doubling of global atmospheric CO_2 concentrations and for validating crop growth models designed to predict the effects of elevated CO_2 on cotton growth. The data show that, for all five growing seasons and all experimental treatments (water-stressed or well-watered, low-nitrogen or high-nitrogen), cotton yields and plant dry weights were increased significantly by CO_2 enrichment.

---

[*]SAS is the registered trademark of SAS Institute, Inc., Cary, NC 27511-8000.

PART 1

INFORMATION ABOUT THE NUMERIC DATA PACKAGE

1. NAME OF THE NUMERIC DATA PACKAGE

Carbon Dioxide Enrichment: Data on the Response of Cotton to Varying CO_2, Irrigation, and Nitrogen.

2. CONTRIBUTORS

B. A. Kimball[1]
G. Guinn[2]
E. A. Lakatos[3]
G. J. Peresta[1]
S. M. Harris[1]
J. Martinez[1]

J. R. Mauney[2]
F. S. Nakayama[1]
S. T. Mitchell[1]
P. E. Nixon III[1]
R. MacDonald[2]

R. L. La Morte[1]
J. W. Radin[2]
L. L. Parker[2]
B. Savoy[2]
H. Pros[2]

[1] U.S. Water Conservation Laboratory and [2] Western Cotton Research Laboratory
U.S. Department of Agriculture, Agricultural Research Service
Phoenix, Arizona

[3] Soil and Water Science Department
University of Arizona
Tucson, Arizona

3. KEYWORDS

Carbon dioxide enrichment, carbon dioxide fertilization, cotton, crop yield, nitrogen fertility, photosynthesis, plant growth, plant physiology, water stress, global change

4. BACKGROUND INFORMATION

Firm evidence now exists that atmospheric levels of carbon dioxide (CO_2) have increased dramatically over the past several decades. Even conservative projections of future atmospheric CO_2 concentrations [such as the "2060 Low Emissions Scenario" put forth by the Intergovernmental Panel on Climate Change (IPCC)] suggest that CO_2 levels are likely to continue rising far into the 21st century (IPCC 1991). Because CO_2 is a raw material for photosynthesis, the possibility exists that an increase in atmospheric CO_2 levels may affect the rate of photosynthesis, and perhaps the net uptake of carbon, for many plants. It is important, therefore, to obtain information on the effects of CO_2 on plant growth because of the implications both to agriculture and forestry and to our understanding of the overall flow of carbon in the terrestrial biosphere.

The effects of CO_2 enrichment on plant growth have been studied extensively (Kimball 1983a,b; Wittwer 1986). The phenomenon of growth enhancement in plants grown under conditions of CO_2 enrichment has been described since the early 1900s (e.g., Bolas and Henderson 1928; Wittwer 1986).

3

36.	D104S.WK1	Same as File 33, but data are for the Sundarbans zone and subdivisions thereof in Bangladesh.
37.	D105S.WK1	Same as File 33, but data are for the Western Districts zone and subdivisions thereof in Bangladesh.
38.	D101L.WK1	History of boundary changes in the zone, allocation of national land use data into the 8 land use classes used in this data base, record of modifications made to data based on secondary sources (listed) for the Chittagong Hill Tracts zone in Bangladesh.
39.	D102L.WK1	History of boundary changes in the zone, allocation of national land use data into the 8 land use classes used in this data base for the Eastern Coast zone in Bangladesh
40.	D103L.WK1	Same as File 39, but data are for the Meghna Districts zone in Bangladesh
41.	D104L.WK1	Same as File 39, but data are for the Sundarbans zone in Bangladesh
42.	D105L.WK1	Same as File 39, but data are for the Western Districts zone in Bangladesh
43.	D200A.WK1	Data source listing for livestock, human population, and land use data; discussion of data limitations; allocation of national land use data into the 8 land use classes used in this data base for the country of Brunei.

D - 4

File number	File name	File description
54.	D308P1S.WK1	Same as File 45, but data are for the Chandigarh subdivision of the Haryana/Chandigarh zone in India.

Table 1. Cotton crop response variables for which measurements are available from the 1983–1987 field experiments

---

Intermediate Growth Data

    Median day of emergence (JEMRGD)
    Median day of first square (JSQRJD)
    Median day of first flower (JFLRJD)
    Plant height, cm (XPLTHT)
    Leaf area index, m^2/m^2 (XLAI)
    Number of nodes per square meter (JNNODM)
    Number of squares per square meter (JNSQRM)
    Number of flowers per square meter (JNFLWM)
    Number of green bolls per square meter (JNGBLM)
    Number of open mature bolls per square meter (JNMBLM)
    Number of abscised sites per square meter (JNABSM)
    Dry leaf weight, kg/ha (XWLEFH)
    Dry stem weight, kg/ha (XWSTMH)
    Dry root weight, kg/ha (XWROTH)
    Dry green boll weight, kg/ha (XWGBLH)
    Dry mature boll weight, kg/ha (XWMBLH)

Crop Harvest Summary Data

    Lint yield, dry weight, kg/ha (XLTYLD)
    Seed yield, dry weight, kg/ha (XSDYLD)
    Seed dry weight, g/seed (XSDWT)
    Number of bolls per square meter (XBLSM)
    Number of seeds per boll (XSPB)
    Maximum leaf area index during season, m^2/m^2 (XLAIMX)
    Aboveground dry biomass, kg/ha (XBIOM)
    Stem plus burr weight, kg/ha (XSTMBR)

Table 2a. CO_2 enrichment response experiments, 1983–1987: CO_2 levels, water treatments, and nitrogen treatments

Year	CO_2 levels	Water treatments	Nitrogen treatments
1983	1. No chamber, 350 µmol/mol 2. Ambient chamber, 350 µmol/mol 3. Chamber, 500 µmol/mol 4. Chamber, 650 µmol/mol	Well-watered only	Well-fertilized only
1984	1. No chamber, 350 µmol/mol 2. Ambient chamber, 350 µmol/mol 3. Chamber, 500 µmol/mol 4. Chamber, 650 µmol/mol	Well-watered (wet) + water-stress (dry) (Severe rains minimized the stress of dry treatment)	Well-fertilized only
1985	1. No Chamber, 350 µmol/mol 2. Ambient chamber, 350 µmol/mol 3. Chamber, 500 µmol/mol 4. Chamber, 650 µmol/mol	Well-watered + water-stress (Greater control over water-stress treatment was present than in 1984)	Well-fertilized only
1986	1. Ambient chamber, 350 µmol/mol 2. Chamber, 650 µmol/mol	Well-watered + water-stress (same as 1985)	Nitrogen-added + no-nitrogen added (Amt. N applied to nitrogen-added group was only half that planned because of communication error)
1987	1. Ambient chamber, 350 µmol/mol 2. Chamber, 650 µmol/mol	Well-watered + water-stress (same as 1986)	Nitrogen added + No-nitrogen added (N+ plots had more nitrogen and N– plots had less nitrogen than in 1986)

Table 2b. CO_2 enrichment response experiments, 1983–1987:
Locations, soil types, cotton strains, crop histories, and soil preparations

Year	Location	Soil type	Cotton strain	Crop history	Soil preparation
1983	U.S. Water Conservation Lab. Phoenix, AZ 33.40 N, 112.00 W	Avondale clay loam	Deltapine-70	Followed a winter wheat crop	Pre-irrigated, fertilized, rototilled to 10 cm, planted in flat beds with rows 1.02 m apart
1984	Near Western Cotton Research Lab. Phoenix, AZ 33.40 N, 112.00 W	Avondale clay loam	Deltapine-61	Followed 3 years of alfalfa crops	Plowed to 20 cm, furrowed, herbicide treated, pre-irrigated, tilled, planted in N/S rows on ridges 1.02 m apart with furrows in-between
1985	Near Western Cotton Research Lab. Phoenix, AZ 33.40 N, 112.00 W	Avondale clay loam	Deltapine-61	Plots in same positions as in 1984. Previous crop was pulled out with roots attached. Fallow over winter	Rototilled, raked into beds (lower than usual ridges), not pre-irrigated, planted in same ridges and same plots as previous year
1986	Near Western Cotton Research Lab. Phoenix, AZ 33.40 N, 112.00 W	Avondale clay loam	Deltapine-61	Plots in same positions as in 1985. Fallow over winter. Stalks from previous crop shredded and disk plowed	Plowed, furrowed, pre-irrigated, herbicide treated, planted in same plots as previous 2 years
1987	Near Western Cotton Research Lab. Phoenix, AZ 33.40 N, 112.00 W	Avondale clay loam	Deltapine-61	Plots in same locations as 1986. Tilled and planted in barley over the winter; barley cut and removed after ca. 1/3 growth	Stalks from previous barley crop disk plowed to 20 cm, furrowed, not pre-irrigated, planted in same plots as previous 3 years

Table 2c. CO_2 enrichment response experiments, 1983–1987:
Planting dates, beginning CO_2 treatment dates, irrigation regimens, and fertilization regimens

Year	Planting date	Begin CO_2 treatment	Irrigation regimen	Fertilization regimen
1983	6/8/83	6/14/83	Flood irrigation about every 2 weeks (6/13–9/21)	Preplant application of urea (124 kg/ha)
1984	4/16/84	5/2/84	Wet: Flood irrigation every 2 weeks (5/30–9/6) Dry: Irrigation every 3 weeks (5/30–8/30) Heavy rains in late June, early Aug., and mid-Sept.	Preplant application of urea (15 kg/ha). Additional broadcast of urea (75 kg/ha) on June 11
1985	4/9/85	5/2/85	All: 1st irrigation 4/11 Wet: Weekly drip irrigation, determined as I=pan evap. x LAI/3 up to LAI=3 or as I=pan evap. amt. at LAI > 3 (5/24–9/20) Dry: Weekly drip irrigation, calculated as 2/3 of wet treatment	Urea fertilizer injected into weekly irrigation water (Total=183/kg/ha over 6/11–8/23)
1986	3/31/86	4/25/86	All: 1st irrigation 4/23 Wet: Same as in 1985 (5/13–9/30) Dry: Same as in 1985 (5/13–9/30)	N+: Urea fertilizer injected into weekly irrigation water (Total= 96 kg/ha over 5/13–8/19) N–: No urea fertilizer added (2 mg N/kg occurred naturally in irrigation water)
1987	4/7/87	5/8/87	All: 1st irrigation 4/16 Wet: Same as in 1986 (5/26–9/30) Dry: Same as in 1986 (5/26–9/30)	N+: Nitrogen fertilizer injected into weekly irrigation water. Urea used until 7/14, beginning on which Uran-32 was used (Total applied N=231 kg/ha over 6/2–9/1) N–: Same as in 1986. However, a barley crop was grown over winter and removed while green to reduce soil nitrogen

Table 2d. CO_2 enrichment response experiments, 1983–1987:
Insecticide/herbicide summaries and pest infestations

Year	Insecticide/herbicide summary	Pest infestations
1983	Temik (applied at planting); Vapona (began treatment in September)	Some insect problems beginning in September
1984	Karmex (preplant herbicide); Vapona (6/11–8/6); Kelthane (6/18–7/24); Temik (6/20); Sevin (7/24)	Visible damage to upper leaves
1985	Within chambers and open field plot areas: Orthene (3x); Vapona (13x); Kelthane (10x); Thuricide (2x). Initial application 5/3, then regularly from 6/5–9/13 Whole field outside chambers: Guthion (1x); Malathion (7x); Sevin (2x); Kelthane (2x); Cymbush (1x). Regular application 6/19–9/15	Insects (particularly whiteflies) more of a problem than in 1983 or 1984. Insecticide regimen only partially effective in reducing insect numbers, but damage to cotton did not appear significant
1986	Orthene (15x); Malathion (12x); Dimilin (1x); Kelthane (1x); Pydrin (3x). Applications periodic from 4/24–9/20	Early season thrips effectively controlled by Orthene. Boll weevils controlled by malathion. Serious infestation in July of leaf perforators; resisted malathion but were finally controlled by Dimilin and Pydrin
1987	Temik (5/8); Malathion (18x) applied periodically 5/12–7/17 and 8/19–10/13; Pydrin (5x) applied 8/12–8/19	Minimal insect damage (following aggressive insecticide application)

The digitized data set that accompanies this document contains intermediate growth data and crop harvest summary data for the crop response variables listed in Table 1. Data are also available for many other parameters, including daily weather, soil profile properties (e.g., initial soil moisture and nitrogen conditions), and irrigation and fertilizer treatments. These highly specialized data comprise a very large number of separate files and have not been included on the magnetic tape or floppy diskette that accompanies this document; however, these data are described in detail and presented in their entirety (in hard copy form) in the supplemental text provided in the appendix. These data may also be obtained in digitized form from CDIAC upon request; in addition, CDIAC can provide a FORTRAN retrieval code, developed by G. W. Wall and M. L. Reaves (U.S. Water Conservation Laboratory, Phoenix) and also described in the supplemental text, to facilitate use of the data. The file structures of these data conform to the International Benchmark Sites of Agrotechnology Transfer (IBSNAT) standards, developed in 1986 by plant growth modelers for crop model input and output files (IBSNAT 1986).

Measurements of plant physiological parameters, such as leaf temperature, stomatal resistance, and leaf water potential, are not available from CDIAC at this time. However, these data are discussed in Kimball et al. (1983, 1984, 1985, 1986, 1987).

Using data obtained from the 1983 cotton growth experiment, Kimball et al. (1983) found that, at CO_2 concentrations of 500 and 650 µmol/mol, respectively, plant top dry weight increased 22 and 50% (versus measurements at ambient CO_2 concentrations), seed cotton yields increased 29 and 63%, lint yields increased 31 and 46%, numbers of flowers increased 4 and 36%, and boll retention increased 14 and 8%.

For the 1984 experiment (in which the interactive effect of water availability was added), Kimball et al. (1984) reported that at CO_2 concentrations of 500 and 650 µmol/mol, respectively, seed cotton yields increased 46 and 92% over yields at ambient concentrations in the wet plots and 32 and 77% in the dry plots, with similar increases in leaf area and dry matter production. The yield increase was mainly the result of an increase in the number of flowers, rather than in boll retention. Harvest index, seed size, and percent lint per boll were not affected by CO_2; the primary effect of CO_2 was on plant size.

For the 1985 season (where the experimental design was virtually the same as in 1984), Kimball et al. (1985) reported that seed cotton yields increased 45 and 52% (at 500 and 650 µmol/mol, respectively) over yields at ambient CO_2 in the wet plots and 64 and 104% in the dry plots. Total dry matter increased 40 and 51% in the wet plots and 52 and 71% in the dry plots. Seed index and harvest index were not affected by CO_2, though both indices were reduced by water stress. Increased yield was mainly caused by increased numbers of flowers and not to changes in boll retention.

For the 1986 experiment, in which only a single level of CO_2 enrichment (650 µmol/mol) was established and the additional factor of nitrogen fertilization was introduced, Kimball et al. (1986) reported that seed cotton yields in the N+ plots increased 48% over yields at ambient concentrations under well-watered conditions and 70% under water-stress conditions. In the N− plots, seed cotton yields increased 70% under well-watered conditions and 51% under water-stress conditions. The duration and amplitude of the flowering and boll-set cycles were altered by CO_2 treatment — by mid-season, cycles were out of phase, with some treatments at maximum flowering and some in cut-out, and interactions were present with N− and water-stress.

For the 1987 season (where the experimental design was again virtually the same as in 1986), Kimball et al. (1987) found that, for the N+ treatments, CO_2 enrichment increased seed cotton yields 25% over yields at ambient CO_2 for the wet treatments and 43% for the dry treatments. For the N− treatment (which, by itself at ambient CO_2 concentrations, significantly lowered petiole nitrate levels and reduced seed cotton 29%), seed cotton yields increased 37% in the wet treatments and 52% in the dry. The harvest index in 1987 decreased with CO_2 enrichment, and increased yields were mainly the result of greater flower production, not to higher boll retention. Leaf dry matter contents and specific leaf weights were increased significantly by CO_2 enrichment but were little affected by nitrogen or water treatments.

The findings related above for seed cotton yield are summarized for the entire experimental period in Table 3.

Table 3. Effect of CO_2 enrichment on seed cotton (lint + seed) yield, 1983–1987. Values represent percentage change from yields at ambient CO_2 concentration (350 μmol/mol) for the same irrigation and nitrogen fertilizer treatments.

| 1983 | 500 μmol/mol CO_2 | | | + 29% | |
| | 650 μmol/mol CO_2 | | | + 63% | |

1984			Well-watered		Water-stress
	500 μmol/mol CO_2		+ 46%		+ 32%
	650 μmol/mol CO_2		+ 92%		+ 77%

1985			Well-watered		Water-stress
	500 μmol/mol CO_2		+ 45%		+ 64%
	650 μmol/mol CO_2		+ 52%		+104%

1986			Well-watered		Water-stress
	650 μmol/mol CO_2	Nitrogen added	+ 48%		+ 70%
		No nitrogen added	+ 70%		+ 51%

1987			Well-watered		Water-stress
	650 μmol/mol CO_2	Nitrogen added	+ 25%		+ 43%
		No nitrogen added	+ 37%		+ 52%

6. APPLICATIONS OF THE DATA

These data will be useful in elucidating the possible future effects on crop production of a doubling of global atmospheric CO_2 concentrations and in validating crop growth models designed to predict the effects of elevated CO_2 on cotton growth. The data presented as part of this package are those that are likely to be useful to the largest number of users. For certain modeling applications, however, other ancillary data, such as daily weather and soil physics measurements, are essential. Individuals interested in obtaining these additional data should contact CDIAC.

7. LIMITATIONS AND RESTRICTIONS

In using these data to make inferences about the effect of increased atmospheric CO_2 concentrations on plant growth, the reader is advised to consider the constraints under which the CO_2 enrichment experiments were carried out. These studies considered only a single agricultural species. While the plant chosen for the experiments, cotton, is a perennial woody species, it was grown as an annual, thus precluding any long-term, multiseasonal studies. Although the enrichment experiments were carried out over five growing seasons, it is difficult to directly compare results from one season to the next. In addition, the experiments were carried out under highly controlled agricultural conditions, including the aggressive use of herbicides and insecticides. As a result, the studies do not consider community (species-species) interactions, resulting in at least two omissions: (1) competition with other plant species, most notably other crop species and weeds, and (2) predator or pollinator interactions: How does CO_2 enrichment (particularly through its effect on leaf carbohydrate and nitrogen levels) affect insect herbivory? and how does enrichment (through its effect on physiological development and flowering times) affect insect pollination? The studies also do not address all possible plant/soil interactions: Does litter produced from plants grown under enriched conditions become progressively depleted in nitrogen or other nutrients? and how does this affect the ecology of soil microorganisms? Finally, there exist any number of atmospheric and other factors that might accompany an increase in atmospheric CO_2, such as changes in mean temperature, diurnal temperature variation, and light levels (following changes in cloud amounts), which these studies have not considered. Obviously no single experiment or series of experiments could hope to include all, or even most, possible variables. Nevertheless, the CO_2 enrichment experiments described in this document represent some of the broadest in scope and best controlled of any studies undertaken. Moreover, they were conducted on field-soil-grown plants exposed to near-natural weather conditions.

8. DATA CHECKS PERFORMED BY CDIAC

The Carbon Dioxide Information Analysis Center (CDIAC) endeavors to provide quality assurance (QA) of all data before their distribution. To ensure the highest possible quality in the data, CDIAC conducts extensive reviews for reasonableness, accuracy, completeness, and consistency of form. While having common objectives, the specific form of these reviews must be tailored to each data set; this tailoring process may involve considerable programming efforts. The entire QA process is an important part of CDIAC's effort to ensure accurate, usable CO_2-related data for researchers.

For the CO_2 enrichment response data, the QA procedure consisted of an examination for overall consistency and reasonableness. This review revealed no errors or inconsistencies in the CO_2 enrichment

response data received by CDIAC. Therefore, the data distributed by CDIAC in this package is identical to those in the original files sent to CDIAC, except for the following format alterations designed to facilitate the use of these data.

1. The files selected for inclusion in the document were those designated by the authors (in the supplemental text provided in the appendix of this document) as "Measured Cotton Crop Harvest Summary Data" or "Measured Cotton Intermediate Growth Data." (Note: Other data are available upon request from CDIAC in the original IBSNAT format in which they were received.)

2. Intermediate growth data and crop harvest summary data, originally stored in separate files, were merged to present all data for a given year and treatment/site together.

3. Data for different years and treatments/sites were concatenated so as to include all data together in a single file.

4. New header material was added to clearly identify the year and treatment regimen (CO_2 level, irrigation treatment, and nitrogen fertilization treatment).

9. REFERENCES

Acock, B., M. C. Acock, and D. Pasternak. 1990. Interactions of CO_2 enrichment and temperature on carbohydrate production and accumulation in muskmelon leaves. Journal of the American Society of Horticultural Science 115:525-529.

Bolas, B. D., and F. Y. Henderson. 1928. Effect of increased carbon dioxide on the growth of plants. Annals of Botany 42:509-523.

Conroy, J., E. W. R. Barlow, and D. I. Bevege. 1986. Response of *Pinus radiata* seedlings to carbon dioxide enrichment at different levels of water and phosphorus: Growth, morphology, and anatomy. Annals of Botany 57:165-177.

Cure, J. D., D. W. Israel, and T. W. Rufty, Jr. 1988a. Nitrogen stress effects on growth and seed yield of nonnodulated soybean exposed to elevated carbon dioxide. Crop Science 28:671-677.

Cure, J. D., T. W. Rufty, Jr., and D. W. Israel. 1988b. Phosphorus stress effects on growth and seed yield responses of nonnodulated soybean to elevated carbon dioxide. Agronomy Journal 80:897-902.

Hardacre, A. K., W. A. Laing, and J. T. Christeller. 1986. The response of simulated swards of perennial ryegrass and white clover to enriched atmospheric CO_2 : Interaction with nitrogen and photosynthetic photon flux density. New Zealand Journal of Agricultural Research 29:567-573.

IBSNAT, the International Benchmark Sites Network for Agrotechnology Transfer. 1986. IBSNAT Technical Report 5, Decision Support System for Agrotechnology Transfer (DSSAT), Documentation for IBSNAT Crop Model Input and Output Files, Version 1.0. Department of Agronomy and Soil Science, University of Hawaii, Honolulu. 53 pp.

Ikeda, A., S. Nakayama, Y. Kitaya, and K. Yabuki. 1988. Effects of photoperiod, CO_2 concentration, and light intensity on growth and net photosynthetic rates of lettuce and turnip. Acta Horticulturae 229:273-282.

IPCC (Intergovernmental Panel on Climate Change). 1991. Climate Change: The IPCC Response Strategies. Island Press, Washington, D.C.

Israel, D. W., T. W. Rufty, Jr., and J. D. Cure. 1990. Nitrogen and phosphorus nutritional interactions in a CO_2 enriched environment. Journal of Plant Nutrition 13:1419-1433.

Kimball, B. A. 1983a. Carbon dioxide and agricultural yield: An assemblage and analysis of 430 prior observations. Agronomy Journal 75:779-788.

Kimball, B. A. 1983b. Carbon dioxide and agricultural yield. An assemblage and analysis of 770 prior observations. WCL Report 14, U.S. Water Conservation Laboratory, USDA-ARS, Phoenix, AZ. 71 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, P. J. Pinter, Jr., K. L. Clawson, R. J. Reginato, and S. B. Idso. 1983. Effects of Increasing Atmospheric CO_2 on the Yield and Water Use of Crops. No. 021, U.S. Department of Energy Series, Response of Vegetation to Carbon Dioxide. Agricultural Research Service, U.S. Department of Agriculture, Washington, D.C. 37 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, P. J. Pinter, Jr., K. L. Clawson, S. B. Idso, G. D. Butler, Jr., and J. W. Radin. 1984. Effects of Increasing Atmospheric CO_2 on the Yield and Water Use of Crops. No. 023, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 60 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, S. B. Idso, J. W. Radin, D. L. Hendrix, G. D. Butler, Jr., T. I. Zarembinski, and P. E. Nixon, III. 1985. Effects of Increasing Atmospheric CO_2 on the Yield and Water Use of Crops. No. 027, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 75 pp.

Kimball, B. A., J. R. Mauney, J. W. Radin, F. S. Nakayama, S. B. Idso, D. L. Hendrix, D. H. Akey, S. G. Allen, M. G. Anderson, and W. Hartung. 1986. Effects of Increasing Atmospheric CO_2 on the Growth, Water Relations, and Physiology of Plants Grown under Optimal and Limiting Levels of Water and Nitrogen. No. 039, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 125 pp.

Kimball, B. A., J. R. Mauney, D. H. Akey, D. L. Hendrix, S. G. Allen, S. B. Idso, J. W. Radin, and E. A. Lakatos. 1987. Effects of Increasing Atmospheric CO_2 on the Growth, Water Relations, and Physiology of Plants Grown under Optimal and Limiting Levels of Water and Nitrogen. No. 049, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 124 pp.

Teramura, A. H., J. H. Sullivan, and L. H. Ziska. 1990. Interaction of elevated ultraviolet-B radiation and CO_2 on productivity and photosynthetic characteristics in wheat, rice, and soybean. Plant Physiology 94:470-475.

Tremblay, N., S. Yelle, and A. Gosselin. 1987. Effects of CO_2 enrichment, nitrogen and phosphorus fertilization on growth and yield of celery transplants. HortScience 22:875-876.

Wittwer, S. H. 1986. Worldwide status and history of CO_2-enrichment — An overview. pp. 3-15 In H. Z. Enoch and B. A. Kimball (eds.), Carbon Dioxide Enrichment of Greenhouse Crops: Volume 1, Status and CO_2 Sources. CRC Press, Boca Raton, Florida.

10. HOW TO OBTAIN THE PACKAGE

This document describes a data set consisting of intermediate growth and crop harvest measurements from field CO_2-enrichment studies of cotton growth conducted over five consecutive growing seasons, 1983–1987. The data are available upon request on nine-track magnetic tape, on floppy diskette (IBM PC format, high- or low-density, 5.25- or 3.5-in. diskettes), or via FTP from CDIAC. Requests for magnetic tapes should include any specific instructions for transmitting the data as required by the user to access the data. Requests not accompanied by specific instructions will be filled on nine-track, 6250 BPI, standard-labeled tapes with characters written in EBCDIC (Extended Binary Codes Decimal Interchange Code) and files will be formatted as given in Section 11. Requests should be addressed to the following:

Carbon Dioxide Information Analysis Center
Oak Ridge National Laboratory
Post Office Box 2008
Oak Ridge, TN 37831-6335
U.S.A.

The transfer media and documentation may also be ordered by telephone, fax, or electronic mail.

Telephone: (615) 574-0390
Fax: (615) 574-2232
Electronic Mail: BITNET: CDP@ORNLSTC
                 INTERNET: CDP@STC10.CTD.ORNL.GOV
                 OMNET: CDIAC

PART 2

INFORMATION ABOUT THE DATA FILES
PROVIDED ON MAGNETIC TAPE OR FLOPPY DISKETTE

11. CONTENTS OF THE MAGNETIC TAPE OR FLOPPY DISKETTE

The following is a list of files distributed on magnetic tape or floppy diskette by CDIAC along with this documentation.

File number and description	Number of logical records	Record format[a]	Block size	Record length
1. General descriptive information file	345	FB	8000	80
2. FORTRAN IV data retrieval code to read and print the CO_2 enrichment response data (File 4)	42	FB	8000	80
3. SAS[b] input/output routine to read and print the CO_2 enrichment response data (File 4)	43	FB	8000	80
4. CO_2 enrichment response data	849	FB	8000	80
Total records	1279			

[a] FB = fixed block.
[b] SAS is the registered trademark of SAS Institute, Inc., Cary, NC 27511-8000.

12. DESCRIPTIVE FILE ON THE TAPE/DISKETTE

The following is a listing of File 1 on the magnetic tape (or NDP037.DES on the floppy diskette) distributed by CDIAC. This file is intended to complement the documentation and provide details (i.e., variable descriptions, formats, and units) about the data file on the magnetic tape or floppy diskette.

TITLE OF THE DATA SET

Carbon Dioxide Enrichment: Data on the Response to Cotton to Varying CO_2, Irrigation, and Nitrogen.

DATA CONTRIBUTORS

B. A. Kimball (1)	J. R. Mauney (2)	R. L. La Morte (1)
G. Guinn (2)	F. S. Nakayama (1)	J. W. Radin (2)
E. A. Lakatos (3)	S. T. Mitchell (1)	L. L. Parker (2)
G. J. Peresta (1)	P. E. Nixon III (1)	B. Savoy (2)
S. M. Harris (1)	R. MacDonald (2)	H. Pros (2)
J. Martinez (1)		

(1) U.S. Water Conservation Laboratory and (2) Western Cotton Research Laboratory
U.S. Department of Agriculture, Agricultural Research Service
Phoenix, Arizona

(3) Soil and Water Science Department
University of Arizona
Tucson, Arizona

SOURCE AND SCOPE OF THE DATA

The data set included on this magnetic tape or floppy diskette details five season-long experiments, carried out over the period 1983–1987, examining the effects of CO_2 enrichment on cotton growth. Because conditions of insufficient water and nutrients are commonplace in much of the world's agriculture and in the unmanaged biosphere, these studies employed a multivariate design whereby the effects of water and nutrient stress could be examined alongside the effects of elevated CO_2 level on plant growth parameters. The initial experiment examined the effects of varying CO_2 concentration only. In the following two seasons, the interactive effects of CO_2 concentration and water availability were studied. In the final two seasons, the effects of the three-way interaction between CO_2 concentration, water availability, and nitrogen fertility were investigated. The 1983 experiment was conducted on the lysimeter field at the U.S. Water Conservation Laboratory, Phoenix, Arizona. The experiments during the four subsequent years were conducted at a site near the Western Cotton Research Laboratory, Phoenix, Arizona. At each site, a system of open-top chambers was constructed to provide a stable regime of CO_2 enrichment through the course of a growing season. A summary of the preparations and treatments undertaken in each of the five growing seasons is provided in Tables 2a-2d of the documentation that accompanies this tape. For detailed descriptions of the design and methodology of these experiments, the reader should

refer to the supplemental text provided in the appendix of the accompanying documentation. Further information is also provided in Kimball et al. (1983, 1984, 1985, 1986, 1987).

The data comprise three types of information: identification variables (such as year, institution and site codes, and treatment regimens), intermediate growth measurements (such as plant height, leaf area index, number of flowers, and dry weight of leaves) taken at various times during the growing season, and crop harvest results (such as lint yield, seed yield, and total aboveground dry biomass). The data selected for inclusion on this tape are those that are likely to be useful to the largest number of users. Data are also available for many other parameters, including daily weather, soil profile properties (e.g., initial soil moisture and nitrogen conditions), and irrigation and fertilizer treatments. These highly specialized data comprise a very large number of separate files and have not been included on this tape; however, these data are described in detail and presented in their entirety (in hard copy form) in the supplemental text provided in the accompanying document. These data may also be obtained in digitized form from CDIAC upon request; in addition, CDIAC can provide a FORTRAN retrieval code, developed by G. W. Wall and M. L. Reaves (U.S. Water Conservation Laboratory, Phoenix) and also described in the supplemental text, to facilitate use of the data. The file structures of these data conform to the International Benchmark Sites of Agrotechnology Transfer (IBSNAT) standards, developed in 1986 by plant growth modelers for crop model input and output files (IBSNAT 1986).

Measurements of plant physiological parameters, such as leaf temperature, stomatal resistance, and leaf water potential, are not available from CDIAC at this time. However, these data are discussed in Kimball et al. (1983, 1984, 1985, 1986, 1987).

DATA FORMAT

Four files are provided on this magnetic tape or floppy diskette, including this descriptive file, a FORTRAN IV retrieval program, a SAS input/output routine, and a file containing the CO_2 enrichment response data.

Table 4 (located in the documentation that accompanies this tape) presents a partial listing of the CO_2 enrichment response data (File 4 on the magnetic tape or NDP037.DAT on the floppy diskette). The data file is formatted in the following way:

```
      INTEGER YEAR, CO2, REP, YRCODE, EXPTNO, TRTNO, JEMRGD,
     1  JSQRJD, JFLRJD, XLTYLD, XSDYLD, XBLSM, XSPB, XBIOM,
     2  XSTMBR, JDOY, XPLTHT, JNNODM, JNSQRM, JNFLWM, JNGBLM,
     3  JNMBLM, JNABSM, XWLEFH, XWSTMH, XWROTH, XWGBLH, XWMBLH
      CHARACTER CO2COD, IRRIG, NITRO, INSTE*2, SITEE*2, DUMMY*3
      REAL XLAI, XSDWT, XLAIMX
   10 READ (5,400,END=900) YEAR, CO2, CO2COD, REP, IRRIG, NITRO
      READ (5,500) INSTE, SITEE, YRCODE, EXPTNO, TRTNO, JEMRGD,
     1  JSQRJD, JFLRJD, XLTYLD, XSDYLD, XSDWT, XBLSM, XSPB,
     2  XLAIMX, XBIOM, XSTMBR
   20 READ (5,600) DUMMY
      IF (DUMMY.EQ.'   ') THEN
        GOTO 10
      ELSE
        BACKSPACE (5)
        READ (5,800) JDOY, XPLTHT, XLAI, JNNODM, JNSQRM, JNFLWM,
     1     JNGBLM, JNMBLM, JNABSM, XWLEFH, XWSTMH, XWROTH, XWGBLH,
     2     XWMBLH
        GOTO 20
      END IF
```

```
400 FORMAT (1X,I4,2X,I3,2X,A1,2X,I1,2X,A1,2X,A1)
500 FORMAT (1X,A2,A2,I2,I2,1X,I2,1X,I3,1X,I3,1X,I3,1X,
   1        I4,1X,I4,1X,F6.4,1X,I3,1X,I2,1X,F5.2,1X,I5,1X,I4)
600 FORMAT (1X,A3)
800 FORMAT (1X,I3,1X,I3,1X,F5.2,1X,I3,1X,I3,1X,I3,1X,I3,
   1        1X,I3,1X,I4,1X,I4,1X,I4,1X,I4,1X,I4,1X,I5)
900 STOP
```

where

YEAR   is the year of sampling of the data record being read;

CO2   is the mean daily carbon dioxide concentration (μmol/mol) for the sampled plot;

CO2COD   is a one-character flag code presenting additional information about the sampled plot:
            'A'= chamber at ambient (i.e., nonenriched) concentration, 'N'= no chamber (i.e.,
            open field), and 'L'= chamber containing lysimeter;

REP   is the replicate number, with a value of either '1' or '2' (two replicates were included
            for each CO_2 treatment);

IRRIG   is a one-character code describing the irrigation regimen, given only for years in
            which two levels were present: '0'= water-stressed ("dry") treatment and '1'= well-
            watered ("wet") treatment;

NITRO   is a one-character code describing the nitrogen fertilization regimen, given only for
            years in which two levels were present: '0'= low nitrogen (N-) treatment and '1'=
            high nitrogen (N+) treatment;

INSTE   is a two-character identification code describing the institution at which the cotton
            growth experiment was carried out; this code conforms to the IBSNAT format
            described on pages A-64, A-89, and A-90 of the accompanying documentation;

SITEE   is a two-character identification code describing the location of the sampled plot and
            the experimental treatment; diagrams of the plot locations and listings of the
            corresponding treatments are given on pages A-19, A-22, and A-26 of the
            accompanying documentation;

YRCODE   is the last two digits of YEAR; this code is the same as the variable YEAR in the
            IBSNAT format described on pages A-71, A-89, and A-90 of the accompanying
            documentation;

EXPTNO   is the experiment number, which conforms to the IBSNAT format described on pages
            A-63, A-89, and A-90 of the accompanying documentation;

TRTNO   is the treatment number, which conforms to the IBSNAT format described on pages
            A-69, A-89, and A-90 of the accompanying documentation;

JEMRGD	is the day of year (Julian) at which 50% of the plants in the field emerged from the soil;
JSQRJD	is the day of year (Julian) at which 50% of the plants in the field displayed their first square;
JFLRJD	is the day of year (Julian) at which 50% of the plants in the field displayed their first flower;
XLTYLD	is the actual field-measured lint yield (dry weight basis, kg/ha), which is the yield attainable by hand harvesting;
XSDYLD	is the actual field-measured seed yield (dry weight basis, kg/ha);
XSDWT	is the measured seed dry weight (g/seed);
XBLSM	is the field-measured boll number (bolls/m^2);
XSPB	is the field-measured number of seeds per boll;
XLAIMX	is the maximum leaf area index attained during the season (m^2/m^2);
XBIOM	is the field-measured aboveground dry biomass at maturity (kg/ha);
XSTMBR	is the field-measured stem plus burr weight at maturity (kg/ha);
JDOY	is the day of year (Julian) on which the intermediate growth measurements on the remainder of the line were made;
XPLTHT	is the plant height (cm);
XLAI	is the leaf area index (m^2/m^2);
JNNODM	is the number of nodes per square meter;
JNSQRM	is the number of squares per square meter;
JNFLWM	is the number of flowers per square meter;
JNGBLM	is the number of green bolls per square meter;
JNMBLM	is the number of open mature bolls per square meter;
JNABSM	is the number of abscised sites per square meter;
XWLEFH	is the dry leaf weight (kg/ha);
XWSTMH	is the dry stem weight (kg/ha);

XWROTH is the dry root weight (kg/ha);

XWGBLH is the dry green boll weight (kg/ha);

XWMBLH is the dry mature boll weight (kg/ha);

Stated in tabular form, the contents include the following.

Variable[a]	Variable type	Variable width	Line[b]	Starting column	Ending column
YEAR	Numeric	I4	1	2	5
CO2	Numeric	I3	1	8	10
CO2COD	Character	A1	1	13	13
REP	Numeric	I1	1	16	16
IRRIG	Character	A1	1	19	19
NITRO	Character	A1	1	22	22
INSTE	Character	A2	2	2	3
SITEE	Character	A2	2	4	5
YRCODE	Numeric	I2	2	6	7
EXPTNO	Numeric	I2	2	8	9
TRTNO	Numeric	I2	2	11	12
JEMRGD	Numeric	I3	2	14	16
JSQRJD	Numeric	I3	2	18	20
JFLRJD	Numeric	I3	2	22	24
XLTYLD	Numeric	I4	2	26	29
XSDYLD	Numeric	I4	2	31	34
XSDWT	Numeric	F6.4	2	36	41
XBLSM	Numeric	I3	2	43	45
XSPB	Numeric	I2	2	47	48
XLAIMX	Numeric	F5.2	2	50	54
XBIOM	Numeric	I5	2	56	60
XSTMBR	Numeric	I4	2	62	65
JDOY	Numeric	I3	3...n	2	4
XPLTHT	Numeric	I3	3...n	6	8
XLAI	Numeric	F5.2	3...n	10	14
JNNODM	Numeric	I3	3...n	16	18
JNSQRM	Numeric	I3	3...n	20	22
JNFLWM	Numeric	I3	3...n	24	26
JNGBLM	Numeric	I3	3...n	28	30
JNMBLM	Numeric	I3	3...n	32	34
JNABSM	Numeric	I4	3...n	36	39
XWLEFH	Numeric	I4	3...n	41	44
XWSTMH	Numeric	I4	3...n	46	49
XWROTH	Numeric	I4	3...n	51	54
XWGBLH	Numeric	I4	3...n	56	59
XWMBLH	Numeric	I5	3...n	61	65

[a] Missing values for integer variables are represented by -9. Missing values for real variables are represented by -9.0, -9.00, etc., according to the format of each variable.
[b] Line numbers refer to positions within a given data block, containing data for a given year, site, and treatment regimen.

Table 4. Partial listing of the CO$_2$ enrichment response data
(as formatted in File 4 on the magnetic tape or
NDP037.DAT on the floppy diskette)

```
1983   350   N   1
PX4A83 1   1 164 199 230   600 1200 0.0787   68  22  4.00   6880    -9
199  10  0.18  73  10   0   0   0     0  113    40   -9      0      0
206  13  0.20  83   3   0   0   0     0  100    38   -9      0      0
213  27  1.01 130 123   1   0   0     0  491   319   -9      0      0
220  47  1.95 153 203   2   3   0    40  960   863   -9      0      0
234  66  3.02 190 213   8  27   0    63 1392  1305   -9    173      0
249  93  3.97 220 167   5  97   0   133 2209  2891   -9   1024      0
299  81 -9.00 199  -9  -9   3  68    -9   -9    -9  480     90   2650

1983   350   N   2
PX2C83 1   1 164 199 230   500 1100 0.0711   63  21  4.30   7600    -9
199  17  0.39 103  47   0   0   0     0  233    99   -9      0      0
206  38  1.17 137 133   0   0   0    37  600   423   -9      0      0
213  42  1.74 167 230   1   0   0    57  962   775   -9      0      0
220  54  2.44 170 250   4  10   0    37 1163  1124   -9      0      0
234  71  4.32 207 337   5 107   0   147 2026  2241   -9   1281      0
249  87  3.63 250 123   3 110   0   190 1709  2930   -9   2040      0
299  85 -9.00 235  -9  -9  10  63    -9   -9    -9  630    250   2380

1983   350   A   1
PX4B83 1   1 164 199 232  1040 1600 0.0762   84  22  6.10   8680    -9
199  18  0.36 107  20   0   0   0     0  169    76   -9      0      0
206  21  0.36 113   7   0   0   0    20  162    87   -9      0      0
213  43  1.22 150 280   0   0   0    57  609   524   -9      0      0
220  77  3.86 207 387   1   3   0    63 1425  1663   -9      0      0
234  91  4.69 237 380   6  23   0    80 2324  2502   -9     79      0
249 117  6.06 257 247   6 110   0    97 2477  3481   -9   1063      0
299  93 -9.00 248  -9  -9  39 353    -9   -9    -9  810    390   3530

1983   350   A   2
PX3C83 1   1 164 199 232  1020 1540 0.0790   80  20  4.40   8760    -9
199  11  0.18  80  10   0   0   0     0  103    39   -9      0      0
206  19  0.56 120  40   0   0   0    10  259   125   -9      0      0
213  28  0.93 150  53   1   0   0    40  461   269   -9      0      0
220  36  1.28 170 130   1   7   0    17  606   489   -9      0      0
234  72  4.39 217 343   5  57   0    87 2007  2264   -9    277      0
249  88  3.42 223 247   6  63   0    77 1517  1896   -9    352      0
299  81 -9.00 257 167  -9  20  80    -9   -9    -9  570    680   3430

1983   350   L   1
PX4L83 1   1 164 192 227   920 1540 0.0923   74  16 -9.00  10520    -9

1983   500       1
PX3B83 1   1 164 195 227  1670 2640 0.0864 123  22  8.50  13460    -9
199  20  0.59 113  50   0   0   0     3  343   158   -9      0      0
206  33  0.66 120  37   0   0   0    10  301   215   -9      0      0
213  57  1.97 163 190   1   0   0    50 1042   978   -9      0      0
220  70  4.36 187 483   3  23   0    57 1877  2692   -9      0      0
234 109  6.10 237 420   7  70   0   117 2693  3861   -9    154      0
249 108  8.52 243 193   7 167   0   227 4223  6357   -9   2077      0
299  99 -9.00 233  -9  -9  19 123    -9   -9    -9 1130    710   5680

1983   500       2
PX4C83 1   1 164 195 227  1010 1500 0.0857   70  27  4.60   8340    -9
199  18  0.34  90  33   0   0   0     0  206    98   -9      0      0
206  32  0.88 123  73   0   0   0    17  357   225   -9      0      0
213  40  1.37 140 177   0   3   0    43  746   632   -9      0      0
220  57  2.66 177 373   1  20   0    80 1352  1525   -9      0      0
234  80  4.63 223 450   8 127   0    53 2442  3014   -9    715      0
249 127  4.52 257 167   7 290   0   420 2414  3753   -9   5099      0
299  82 -9.00 220  -9  -9  28  70    -9   -9    -9  630    940   3380
```

REFERENCES

IBSNAT, the International Benchmark Sites Network for Agrotechnology Transfer. 1986. IBSNAT Technical Report 5, Decision Support System for Agrotechnology Transfer (DSSAT), Documentation for IBSNAT Crop Model Input and Output Files, Version 1.0. Department of Agronomy and Soil Science, University of Hawaii, Honolulu. 53 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, P. J. Pinter, Jr., K. L. Clawson, R. J. Reginato, and S. B. Idso. 1983. Effects of Increasing Atmospheric CO_2 on the Yield and Water Use of Crops. No. 021, U.S. Department of Energy Series, Response of Vegetation to Carbon Dioxide. Agricultural Research Service, U.S. Department of Agriculture, Washington, D.C. 37 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, P. J. Pinter, Jr., K. L. Clawson, S. B. Idso, G. D. Butler, Jr., and J. W. Radin. 1984. Effects of Increasing Atmospheric CO_2 on the Yield and Water Use of Crops. No. 023, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 60 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, S. B. Idso, J. W. Radin, D. L. Hendrix, G. D. Butler, Jr., T. I. Zarembinski, and P. E. Nixon, III. 1985. Effects of Increasing Atmospheric CO_2 on the Yield and Water Use of Crops. No. 027, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 75 pp.

Kimball, B. A., J. R. Mauney, J. W. Radin, F. S. Nakayama, S. B. Idso, D. L. Hendrix, D. H. Akey, S. G. Allen, M. G. Anderson, and W. Hartung. 1986. Effects of Increasing Atmospheric CO_2 on the Growth, Water Relations, and Physiology of Plants Grown under Optimal and Limiting Levels of Water and Nitrogen. No. 039, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 125 pp.

Kimball, B. A., J. R. Mauney, D. H. Akey, D. L. Hendrix, S. G. Allen, S. B. Idso, J. W. Radin, and E. A. Lakatos. 1987. Effects of Increasing Atmospheric CO_2 on the Growth, Water Relations, and Physiology of Plants Grown under Optimal and Limiting Levels of Water and Nitrogen. No. 049, Response of Vegetation to Carbon Dioxide, U.S. Department of Energy, Carbon Dioxide Research Division, and the U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C. 124 pp.

13. LISTING OF THE FORTRAN IV DATA RETRIEVAL PROGRAM

The following is a listing of the FORTRAN IV data retrieval program (File 2 on magnetic tape or NDP037.FOR on floppy diskette) provided by CDIAC to read and print the CO_2 enrichment response data (File 4 on magnetic tape or NDP037.DAT on floppy diskette). The job control language (JCL) statements (preceded by // or /*) shown below are not provided in the file on the tape/diskette; requestors must add JCL statements themselves if required. The statements required will vary for each operating system. The JCL statements shown below are provided to illustrate the statements that an individual using an IBM mainframe (e.g., IBM 3090) at ORNL would need to read these data from a nine-track, 6250 BPI, standard-labeled tape with characters written in EBCDIC.

```
//UIDCO2 JOB(12345),'USER ADDRESS'
//OUT OUTPUT DEFAULT=YES,JESDS=ALL,DEST=LOCAL
//EXEC FORTVCLG
//FORT.SYSIN DD *

C*****************************************************************
C A FORTRAN program to read and print the intermediate growth
C    and crop harvest data for the 1983-1987 cotton growth
C    experiments.
C*****************************************************************
      INTEGER YEAR, CO2, REP, YRCODE, EXPTNO, TRTNO, JEMRGD,
     1  JSQRJD, JFLRJD, XLTYLD, XSDYLD, XBLSM, XSPB, XBIOM,
     2  XSTMBR, JDOY, XPLTHT, JNNODM, JNSQRM, JNFLWM, JNGBLM,
     3  JNMBLM, JNABSM, XWLEFH, XWSTMH, XWROTH, XWGBLH, XWMBLH
      CHARACTER CO2COD, IRRIG, NITRO, INSTE*2, SITEE*2, DUMMY*3
      REAL XLAI, XSDWT, XLAIMX
   10 READ (5,400,END=900) YEAR, CO2, CO2COD, REP, IRRIG, NITRO
      WRITE (6,400) YEAR, CO2, CO2COD, REP, IRRIG, NITRO
      READ (5,500) INSTE, SITEE, YRCODE, EXPTNO, TRTNO, JEMRGD,
     1  JSQRJD, JFLRJD, XLTYLD, XSDYLD, XSDWT, XBLSM, XSPB,
     2  XLAIMX, XBIOM, XSTMBR
      WRITE (6,500) INSTE, SITEE, YRCODE, EXPTNO, TRTNO, JEMRGD,
     1  JSQRJD, JFLRJD, XLTYLD, XSDYLD, XSDWT, XBLSM, XSPB,
     2  XLAIMX, XBIOM, XSTMBR
   20 READ (5,600) DUMMY
      IF (DUMMY.EQ.'   ') THEN
        WRITE (6,700)
        GOTO 10
      ELSE
        BACKSPACE (5)
        READ (5,800) JDOY, XPLTHT, XLAI, JNNODM, JNSQRM, JNFLWM,
     1    JNGBLM, JNMBLM, JNABSM, XWLEFH, XWSTMH, XWROTH, XWGBLH,
     2    XWMBLH
        WRITE (6,800) JDOY, XPLTHT, XLAI, JNNODM, JNSQRM, JNFLWM,
     1    JNGBLM, JNMBLM, JNABSM, XWLEFH, XWSTMH, XWROTH, XWGBLH,
     2    XWMBLH
        GOTO 20
      END IF
  400 FORMAT (1X,I4,2X,I3,2X,A1,2X,I1,2X,A1,2X,A1)
  500 FORMAT (1X,A2,A2,I2,I2,1X,I2,1X,I3,1X,I3,1X,I3,1X,
     1        I4,1X,I4,1X,F6.4,1X,I3,1X,I2,1X,F5.2,1X,I5,1X,I4)
  600 FORMAT (1X,A3)
  700 FORMAT ('       ')
  800 FORMAT (1X,I3,1X,I3,1X,F5.2,1X,I3,1X,I3,1X,I3,1X,I3,
     1        1X,I3,1X,I4,1X,I4,1X,I4,1X,I4,1X,I4,1X,I5)
  900 STOP
      END
/*
//GO.FT05F001 DD UNIT=TAPE62,VOL=SHR=TAPEVOL,DISP=(,PASS),
// LABEL=(4,SL,RETPD=0),
// DSN=TAB.NDP037.DATA
//GO.FT06F001 DD *
//
```

27

14. LISTING OF THE SAS INPUT/OUTPUT RETRIEVAL PROGRAM

The following is a listing of the SAS* data retrieval program (File 3 on magnetic tape or NDP037.SAS on floppy diskette) provided by CDIAC to read and print the CO₂ enrichment response data (File 4 on magnetic tape or NDP037.DAT on floppy diskette). The job control language (JCL) statements (preceded by // or /*) shown below are not provided in the file on the tape/diskette; requestors must add JCL statements themselves if required. The statements required will vary for each operating system. The JCL statements shown below are provided to illustrate the statements that an individual using an IBM mainframe (e.g., IBM 3090) at ORNL would need to read these data from a nine-track, 6250 BPI, standard-labeled tape with characters written in EBCDIC.

```
//UIDCO2 JOB (12345),'USER ADDRESS'
//OUT OUTPUT DEFAULT=YES,JESDS=ALL,DEST=LOCAL
//STEP1 EXEC SAS,SASRGN=4096K,WORK=1600
//IN DD UNIT=TAPE62,VOL=SER=TAPEVOL,DISP=(,PASS),
// DSN=TAB.NDP037.DATA,LABEL=(4,SL,RETPD=0)
//FT06F001 DD SYSOUT=A
//SYSIN DD *

* A SAS program to read and print the intermediate growth and
     crop harvest data for the 1983-1987 cotton growth
     experiments;
DATA NDP037(DROP=X Y Z);
  INFILE IN;
  INPUT X $ 4 Y $ 5 Z $ 6 @;
  IF X EQ ' ' THEN DO;
     INPUT;
     RECCODE=4;
     END;
  ELSE IF Y EQ ' ' THEN DO;
     INPUT JDOY 2-4 XPLTHT 6-8 @10 XLAI 5.2 JNNODM 16-18 JNSQRM 20-22
        JNFLWM 24-26 JNGBLM 28-30 JNMBLM 32-34 JNABSM 36-39 XWLEFH 41-44
        XWSTMH 46-49 XWROTH 51-54 XWGBLH 56-59 XWMBLH 61-65;
     RECCODE=3;
     END;
  ELSE IF Z EQ ' ' THEN DO;
     INPUT YEAR 2-5 CO2 8-10 CO2COD $ 13 REP 16 IRRIG $ 19 NITRO $ 22;
     RECCODE=1;
     END;
  ELSE DO;
     INPUT INSTE $ 2-3 SITEE $ 4-5 YRCODE 6-7 EXPTNO 8-9 TRTNO 11-12
        JEMRGD 14-16 JSQRJD 18-20 JFLRJD 22-24 XLTYLD 26-29 XSDYLD 31-34
        @36 XSDWT 6.4 XBLSM 43-45 XSPB 47-48 @50 XLAIMX 5.2 XBIOM 56-60
        XSTMBR 62-65;
     RECCODE=2;
     END;
DATA PRINT;
  SET NDP037;
  FILE PRINT;
  OPTIONS MISSING=' ';
  IF RECCODE=1 THEN
     PUT YEAR 2-5 CO2 8-10 CO2COD 13 REP 16 IRRIG 19 NITRO 22;
  ELSE IF RECCODE=2 THEN
     PUT INSTE 2-3 SITEE 4-5 YRCODE 6-7 EXPTNO 8-9 TRTNO 11-12
        JEMRGD 14-16 JSQRJD 18-20 JFLRJD 22-24 XLTYLD 26-29 XSDYLD 31-34
        @36 XSDWT 6.4 XBLSM 43-45 XSPB 47-48 @50 XLAIMX 5.2 XBIOM 56-60
        XSTMBR 62-65;
  ELSE IF RECCODE=3 THEN
     PUT JDOY 2-4 XPLTHT 6-8 @10 XLAI 5.2 JNNODM 16-18 JNSQRM 20-22
        JNFLWM 24-26 JNGBLM 28-30 JNMBLM 32-34 JNABSM 36-39 XWLEFH 41-44
        XWSTMH 46-49 XWROTH 51-54 XWGBLH 56-59 XWMBLH 61-65;
  ELSE IF RECCODE=4 THEN PUT '        ';
RUN;
/*
//
```

_____

*SAS is the registered trademark of SAS Institute, Inc., Cary, NC 27511-8000.

15. VERIFICATION OF DATA TRANSPORT

The CO_2 enrichment response data can be read by using the FORTRAN or SAS input/output routines provided. Users should verify that the data file has been correctly transported to their systems by generating some or all of the statistics presented in Table 5. These statistics were generated in SAS (PROC MEANS) but can be duplicated in other statistical packages or languages. If the statistics generated by the user differ from those presented here, the data file may have been corrupted in transport.

These statistics are presented only as a tool to ensure proper reading of the data file. They are not to be construed as summarizing the CO_2 enrichment response data.

Table 5. Characteristics of some numeric variables in
the CO_2 enrichment response data file

Variable	Number of observations	Mean	Minimum value	Maximum value
YEAR	75	1985.133	1983.000	1987.000
REP	75	1.480	1.000	2.000
YRCODE	75	85.133	83.000	87.000
XSTMBR	75	1348.773	−9.000	8100.000
XPLTHT	624	47.705	−9.000	136.000
XWMBLH	624	945.739	0.000	10531.000

The following is a listing of the SAS* program used to generate the statistics described in Table 5.

```
DATA SUMSTATS;
  INFILE IN;
  INPUT X $ 4 Y $ 5 Z $ 6 @;
  IF X EQ ' ' THEN
    INPUT;
  ELSE IF Y EQ ' ' THEN
    INPUT JDOY 2-4 XPLTHT 6-8 @10 XLAI 5.2 JNNODM 16-18 JNSQRM 20-22
      JNFLWM 24-26 JNGBLM 28-30 JNMBLM 32-34 JNABSM 36-39 XWLEFH 41-44
      XWSTMH 46-49 XWROTH 51-54 XWGBLH 56-59 XWMBLH 61-65;
  ELSE IF Z EQ ' ' THEN
    INPUT YEAR 2-5 CO2 8-10 CO2COD $ 13 REP 16
      IRRIG $ 19 NITRO $ 22;
  ELSE
    INPUT INSTE $ 2-3 SITEE $ 4-5 YRCODE 6-7 EXPTNO 8-9
      TRTNO 11-12 JEMRGD 14-16 JSQRJD 18-20 JFLRJD 22-24
      XLTYLD 26-29 XSDYLD 31-34 @36 XSDWT 6.4 XBLSM
      43-45 XSPB 47-48 @50 XLAIMX 5.2 XBIOM 56-60
      XSTMBR 62-65;
PROC MEANS MAXDEC=3 DATA=SUMSTATS;
  VAR YEAR REP YRCODE XSTMBR XPLTHT XWMBLH;
RUN;
```

*SAS is the registered trademark of SAS Institute, Inc., Cary, NC 27511-8000

30

APPENDIX

SUPPLEMENTAL TEXT

RESPONSE OF COTTON TO VARYING CO$_2$, IRRIGATION, AND NITROGEN:

DATA FOR GROWTH MODEL VALIDATION

by

B. A. Kimball[1], J. R. Mauney[2], R. L. La Morte[1], G. Guinn[2],
F. S. Nakayama[1], J. W. Radin[2], E. A. Lakatos[3], G. W. Wall[1],
S. T. Mitchell[1], L. L. Parker[2], G. J. Peresta[1],
P. E. Nixon II[1], B. Savoy[2], S. M. Harris[1],
R. MacDonald[2], H. Pros[2], J. Martinez[1],
and M. L. Reaves[1]

Contribution from the

[1]U. S. Water Conservation Laboratory

and the

[2]Western Cotton Research Laboratory
USDA, Agricultural Research Service
Phoenix, Arizona

and the

[3]Soil and Water Science Department
University of Arizona
Tucson, Arizona

ABSTRACT

The CO_2 concentration of the atmosphere is increasing and is expected to double sometime near the middle of the next century. To determine the effects of such a CO_2 increase on cotton growth and productivity, a series of experiments from 1983 through 1987 were conducted using open-top CO_2-enriched field chambers at ample as well as limiting levels of water and nitrogen. Seventy-two plot-years' worth of growth data were taken along with measurements of weather and other ancillary environmental parameters. The experiments produced 25 to 104% increases in seed cotton production. However, in addition to experimental observation of the effects of CO_2, an important goal of the overall program is to develop crop growth models which possess the capability to predict the effects of future elevated CO_2 concentration (and any associated climate change) on cotton growth. Validation of such models requires intermediate and final yield observations as well as ancillary weather and soil data like were taken in these experiments. Therefore these data were assembled in this comprehensive report following the "IBSNAT" standards for file structure and format as closely as possible. The data are planned to be made available on diskette upon request from the authors.

TABLE OF CONTENTS

INTRODUCTION

To determine the effects of the increasing atmospheric CO_2 concentration on the growth and water use of crops, especially cotton, the U. S. Water Conservation Laboratory and the Western Cotton Research Laboratory, Phoenix, Arizona, have cooperatively conducted a series of experiments from 1983 through 1987 (Kimball et al., 1983, 1984, 1985, 1986, 1987). Using the open-top chamber approach, plots of cotton growing in field soil were exposed to season-long CO_2 concentrations of ambient (about 350 μmol/mol), 500, and 650 μmol/mol CO_2. Some of the experiments imposed stress levels of water and nitrogen along with optimal levels of these two variables. The experiments have provided a wealth of information about the response of cotton to elevated CO_2 with yield increases from 50-100%, as described in the previous reports. However, the ancillary weather data and intermediate growth data were not included in those reports, and therefore, it is the objective of this report to present a compilation of all these data in formats suitable for validating cotton growth models. It is planned to make the data available on diskettes (MS DOS text files) upon request to the authors.

METHODS AND MATERIALS

Many details of the methodology were presented in the previous reports (Kimball et al., 1983, 1984, 1985, 1986, 1987), and many of cultural parameters, such as plant population, are in the data tables at the end of this report, so this section will present a brief overview of the experiments.

Experimental Designs, Treatments, and Initial Soil Conditions

1983 experiment. The first experiment was conducted in 1983 on the lysimeter field at the U. S. Water Conservation Laboratory, Phoenix, Arizona, where the soil is Avondale clay loam (Fine-loamy, mixed (calcareous), hyperthermic, Anthropic Torrifluvent). As shown by the plot plan in Fig. 1, eight plots were used that included 2 reps of each

of the following CO_2 treatments: open field with no chamber, ambient CO_2 chamber, 500 μmol/mol CO_2, and 650 μmol/mol CO_2. Three of the chambers were around the lysimeters, each at a different CO_2 level. While the plants within each of these chambers experienced the same aerial environment, the plants inside the 1-m-square lysimeters experienced a somewhat different soil environment than those outside (but within the 3-m-square open-top CO_2 enrichment chamber), so the soil profile and plant harvest data were kept mostly separate for the lysimeters. However, there were no intermediate harvest data for the lysimeter plants and the intermediate flower count data included blossoms from both inside and outside the lysimeters.

The cotton experiment followed a winter wheat experiment which delayed planting until later than normal for cotton in the Phoenix area. Therefore, Deltapine-70, a relatively short season variety was selected for the this experiment. The field was preirrigated on 1-3 June 1983, fertilized with 124 kg/ha of N as urea on 6 June, rototilled on 8 June, and planted on flat beds on 8 June. There were some emergence problems due to crust formation. Hand-operated rotowheel cultivators were used to break the crust on 13 June, and new seeds were planted in the gaps and covered with a mulch of vermiculite. A satisfactory stand was achieved and thinned to 10 plants per m or 102,000 plants per ha (1.02 m row spacing), which was the plant population used in all the experiments. Erection of the open-top CO_2 enrichment chambers began immediately after planting and was mostly completed by 10 June. After the stand establishment stage, the crop was flood irrigated on a 2 week schedule, which is the standard practice in the area. Temik[1] insecticide was applied in a band beside the rows at planting time, and insects were not a problem until September. At that time petri dishes of Vapona were placed in the blower boxes and allowed to evaporate. No additional insecticides were applied to the open field plots.

---

[1] Trade names and company names are included for the benefit of the reader and do not imply any endorsement or preferential treatment of the product listed by the authors, the U. S. Department of Agriculture, or the U. S. Department of Energy.
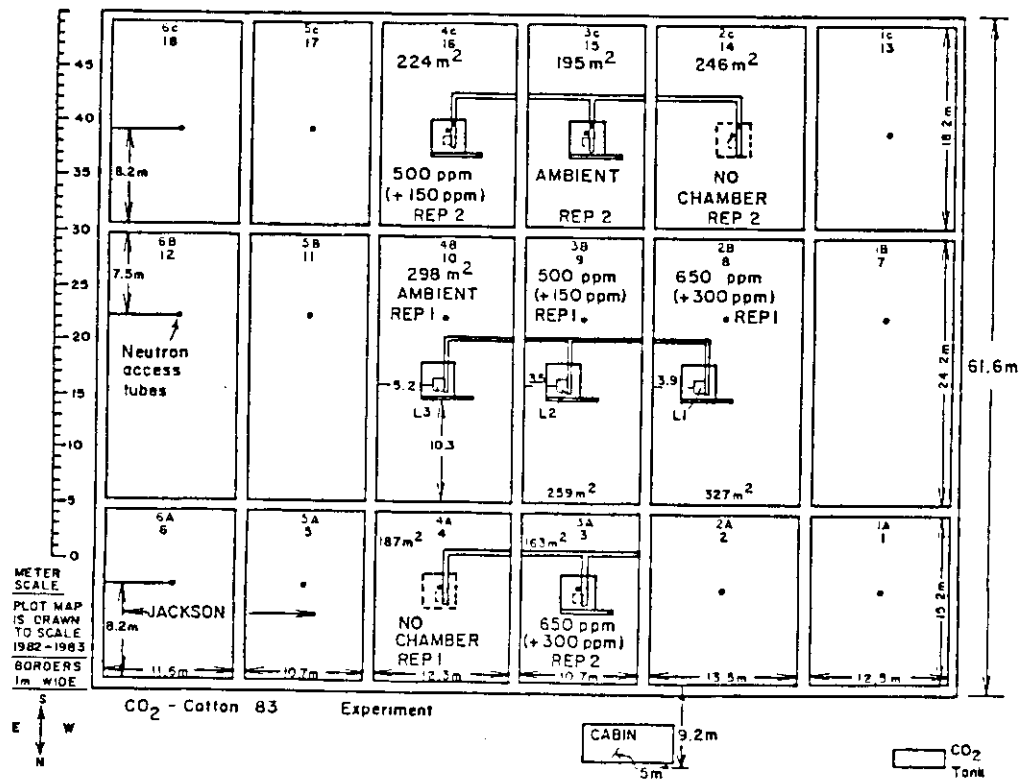
Figure 1. Plot plan for the CO_2-cotton 1983 experiment on the lysimeter field at the U.S. Water Conservation Laboratory, Phoenix, AZ, showing 2 reps (1 and 2) of open-field (no chamber), ambient chamber, 500 ppm (μmol mol^{-1}) and 650 ppm (μmol mol^{-1}) CO_2 treatments.

The amount of above-ground biomass produced by the previous wheat crop averaged for all plots was 14400 kg/ha (P. J. Pinter, Jr., Personal Communication). Assuming that about 5% of this remained on the field as stubble, then the amount of organic residue was about 720 kg/ha, and it was incorporated to roughly a depth of 10 cm by rototilling. It was further assumed that the amount of root residue was about 10% of the above figure or 1440 kg/ha. The carbon to nitrogen ratio (C:N) was assumed to have been about 80, based on a value for oat straw from Thompson (1957). The initial soil water content profile on the day of planting (8 June) was not measured, so an estimate was made. At the end of the wheat experiment, the soil was very dry, so it was assumed that the 100 mm irrigation on 2 June wet the soil to a water content of about 0.28 m^3/m^3 down to a depth of about 70 cm, and then further drying occurred near the soil surface. The irrigation efficiency was assumed to be 95% for all the experiments on the basis that we had small plots with little water loss, but an estimate of 100% would be too high because some water was lost to evaporation during the irrigation and because there are always inefficiencies associated with soil inhomogeneity. The initial soil ammonium content was assumed to be zero in 1983 and all other years because experience has shown ammonium contents in Arizona soils to be very low (Paul Eberhart, IAS Laboratories, Phoenix, Arizona, Personal communication), presumably because nitrification is rapid at our temperatures (Soil Improvement Committee, 1985). Soil nutrient levels were not intended to be a factor in 1983, so initial nitrate concentrations were not measured. Lacking better information, they were assumed to be similar to those measured at the beginning of the 1986 experiment, as described later.

1984 experiment. In 1984 the experiment moved to the field just west of the Western Cotton Research Laboratory, Phoenix, Arizona. The soil there is the same type as that of the lysimeter field at the U. S. Water Conservation Laboratory used in 1983. However, during the course of installing neutron access tubes, it was discovered that a gravel layer existed at a depth of greater than 1.6 m south end of the field but gradually at shallower depths to about 1.0 m where the northernmost chambers were erected.

The size of the experiment doubled from 1983 to 1984 with the inclusion of a water stress treatment, in addition to the well-watered treatment used in 1983. Otherwise, the experiment was basically the same with CO_2 treatments of open-field, ambient-chamber, 500 μmol/mol, and 650 μmol/mol and 2 replicates of each CO_2-irrigation treatment combination. A plot plan is shown in Fig. 2.

Alfalfa had previously been grown on the field for about three years. The field was plowed and furrowed on 16 March 1984 and a preplant herbicide, Karmex, was applied on 23 March. It was pre-irrigated with 230 mm of water on 27 March. Urea fertilizer was applied at a rate of 75 kg/ha on 5 April, and then the field was tilled with a lister hoe. The field was planted to Deltapine-61 cotton of on 16 April 1984, which is a longer season variety than used in 1983 and which also was used in the subsequent experiments in 1985, 1986, and 1987. The cotton was planted in north-south rows at 40-in. (1.02 m) row spacing, on ridges with furrows in between, as commonly used for flood-irrigated cotton in Arizona. Following normal practice to combat soil crusting, the tops of the ridges were knocked off on 20 April, which was about 2 days after germination, but just prior to emergence. The stand was thinned to 100,000 plants/ha, and a few gaps in the stand were filled with transplants.

The well-watered ("wet") plots were flood irrigated on a 2 week schedule in 1984, as is common practice for the area. The water-stress ("dry") plots, on the other hand, were irrigated on a 3 week schedule. Unfortunately, unusually heavy rains upset the irrigation schedules, so the dry treatment was not stressed as often or as severely as planned.

One evening per week from 11 June until 6 August 1984, Vapona in shallow dishes with a napkin wick was placed in the blower cabinets for insect control. This procedure distributed the insecticide throughout the chamber plant canopies, but the outside plants did not receive the treatment. Other insecticide treatments included spraying chambers IID2 and IID1 with Kelthane for red spiders on 18 June. Temik was applied to all chambers on 20 June. Sevin a 2 kg/ha and Kelthane a 1 kg/ha were sprayed on the cotton on 24 July. Some visible damage occurred so some of its upper leaves. In addition to the preplant application, urea was
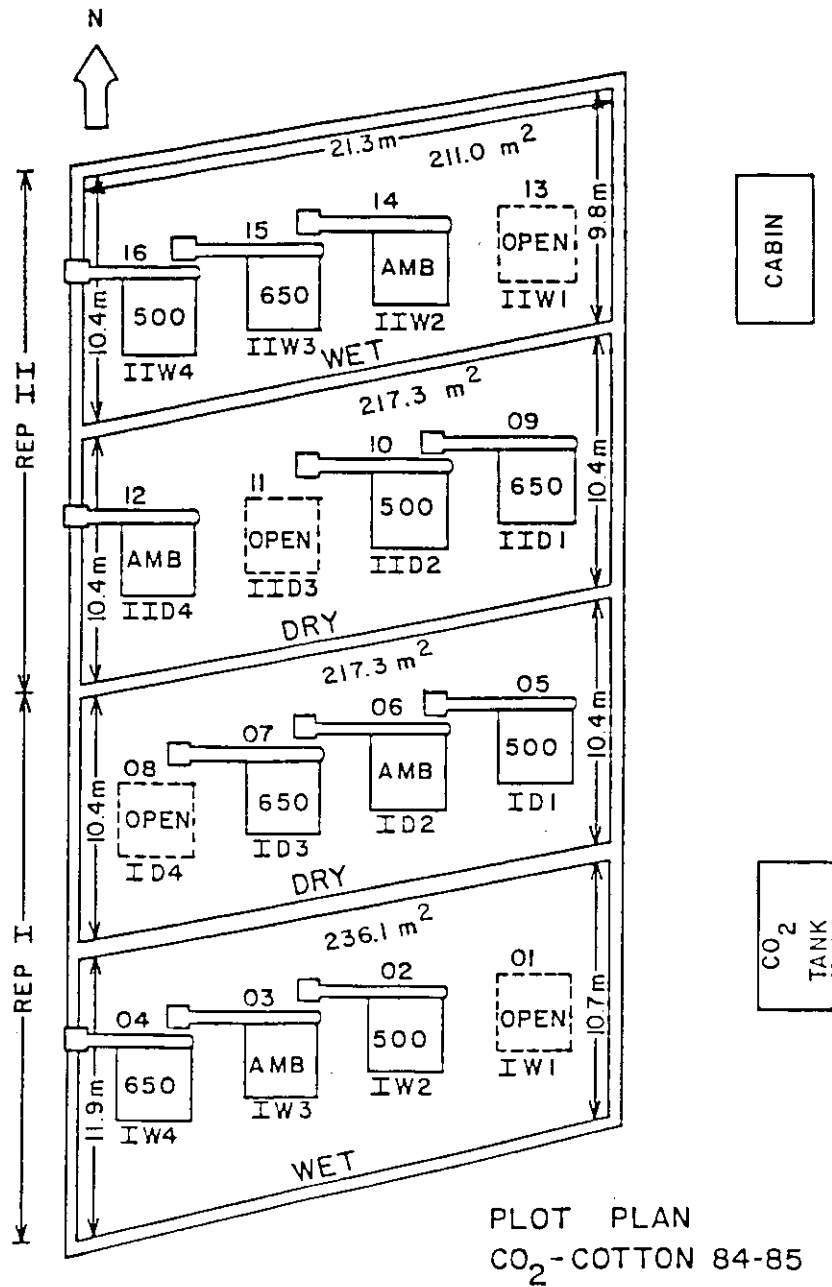
Figure 2. Plot plan for the CO_2-cotton experiments in 1984 and 1985 showing 2 reps (I and II) of well-watered (wet) and water-stressed (dry) irrigation levels and of open-field, ambient chamber, 500 $\mu mol\ mol^{-1}$, and 650 $\mu mol\ mol^{-1}$ CO_2 treatments.

broadcast on 11 June at 75 kg N/ha. Petiole nitrate concentrations were typical of a well-fertilized crop (Kimball et al., 1984).

The amount of "straw" or above-ground residue from the previous alfalfa crop was estimated to be 900 kg/ha by using a figure of 17900 kg/ha (8 ton/acre; Soil Improvement Committee, 1985) for the biomass yield and assuming about 5% left as stubble. It was incorporated to a depth of about 20 cm by a disk plow. The root residue was assumed to be about 20% (3600 kg/ha) of the above figure since the alfalfa was actively growing. Again using a datum from Thompson (1957), the C:N ratio was taken as 13. The initial water content profile on the day of planting (16 April) was estimated from measurements (neutron scattering apparatus) on 2 May adding a guess for the evaporation since the large irrigation on 27 March. Again, initial nitrate was not measured so the 1986 data (discussed later) were taken multiplied by 1.5 since it was following an alfalfa crop.

1985 experiment. In 1985 the same experiment as 1984 was repeated with the same plot plan (Fig. 2). One major change from 1984 was the installation of a drip irrigation system to obtain greater control of the water-stress treatment. The system also permitted more control of the well-watered treatment, which enabled a more precise definition of the amount of water to apply to the well-watered treatment. Following the work of several researchers, as reviewed by Rosenberg et al. (1983, p. 225), the ratio of actual to potential evaporation appears to vary with the square root of the leaf area index, reaching a value of 1.0 at a LAI of about 3.0, and then remaining at about 1.0 for higher LAI. However, it also appears that a straight line relationship would not introduce much error, since this was to be just a guide anyway, so the well-watered ("wet") plots were irrigated weekly with an amount of water determined by the formula:

irrigation amount = pan evaporation x (LAI/3)

where LAI is the leaf area index projected for the week from prior destructive plant harvests, up to a LAI of 3.0. Above 3.0, the irrigation amount was the pan evaporation amount of the previous week.

To be sure the application amount was adequate, the largest LAI was used, which generally was that of one of the 650 μmol/mol CO_2 plots. The pan evaporation was measured with a Class A pan located beside the field. This same irrigation system and application strategy were also used in 1986 and 1987.

Following the 1984 harvest, the remaining cotton plants were pulled out of the soil with as many roots attached as possible. The plastic walls and distribution tubes were removed from the chambers, but the posts and most of the other equipment was left in the field. The plots were rototilled on 23 and 24 January 1985. The soil was raked into beds for each row, but they were lower than the usual ridges used for furrow irrigation. The cotton was planted into dry soil on 9 April and then irrigated on 11 April with 50 mm of water. Most of the cotton emerged on 16 April. The seedlings showed some signs of water stress, as the soil surface dried, so additional irrigations of about 25 mm each were applied on 22, 24, and 25 April to both wet and dry plots. Transplants were used to fill gaps, and the plots were thinned to 100,000 plants/ha on 13 and 21 May. The CO_2 treatments started on 2 May when the cotton was beginning to display the first true leaf, and differential irrigation treatments began on 24 May.

Nitrogen fertilizer was applied as urea through the drip irrigation system. Using a commercial water-pressure-driven suction device, a concentrated stock solution was injected into the irrigation water about half-way through each irrigation, so that unfertilized water ran through the system before and after each injection. The total amount applied was 183 kg/ha, and petiole nitrate-N analyses did not reveal any concentrations below normal for a healthy crop.

Insects were a problem in 1985, much more so than the prior two years, and numerous applications of insecticides were applied, as tabulated by Kimball et al. (1985). While these applications were only partially effective in control of white flies, in terms of reducing insect populations to inconspicuous numbers, the damage to the cotton plants did not appear to be significant.

The above-ground residue from the previous cotton crop was zero since the plants had been pulled out by the roots and the plots were in

the exact same positions. On the presumption, however, that perhaps 50% of the root mass remained in the soil as fine roots, the root residue was estimated at 1440 kg/ha, the average amount root biomass pulled from soil with the previous crop (Kimball et al., 1984). The C:N ratio was estimated to be 30 from the presumption that the root tissue was predominantly carbohydrate (CH_2O) with a carbon content of 400 g/kg and from the experience of Radin (J. W. Radin, Personal communication) that the nitrogen content of cotton stems is typically about 13.5 g/kg. The soil was very dry at planting time with no pre-irrigation, so the initial water content profile was taken to be close to the 1.5 MPa water content and even drier near the surface. The initial nitrate concentrations were not measured but were assumed to be similar to those measured in 1986, as discussed below.

1986 experiment. Starting in 1986, the three-way interaction between increased CO_2 concentration, water stress, and nitrogen deficiency was investigated. As shown by the plot plan in Fig. 3, There were two levels of CO_2, ambient ("amb" or "C-") and 650 μmol/mol ("650" or "C+"); two levels of irrigation, well-watered ("wet" or "W+") and water-stress ("dry" or "W-"); two levels of nitrogen fertilizer application, nitrogen-added ("N+") and no-nitrogen-added ("N-"), and there were two replicates of each treatment combination for a total of 16 open-top chamber plots. There were no open-field plots. The CO_2 and irrigation levels were imposed like those in 1985. Nitrogen fertilizer was applied to the N+ plots as urea (96 kg N/ha) through the drip irrigation system. The amount of N applied was half that planned due to an unfortunate communication error. However, since the error was discovered and the true application rates determined, these data should still be useful for model validation purposes. No fertilizer N was added to the N- plots, but a tiny amount of nitrate (2 mg N/kg) was already in the irrigation water, so this "natural" N was included in the fertilizer management files as $Ca(NO_3)_2$.

The cultural procedures were the following. After the 1985 harvest, all equipment was removed from the field, and it was plowed. During early March, 1986, it was furrowed and flood irrigated with approximately 15 cm of water. Deltapine-61 cotton was planted on 31
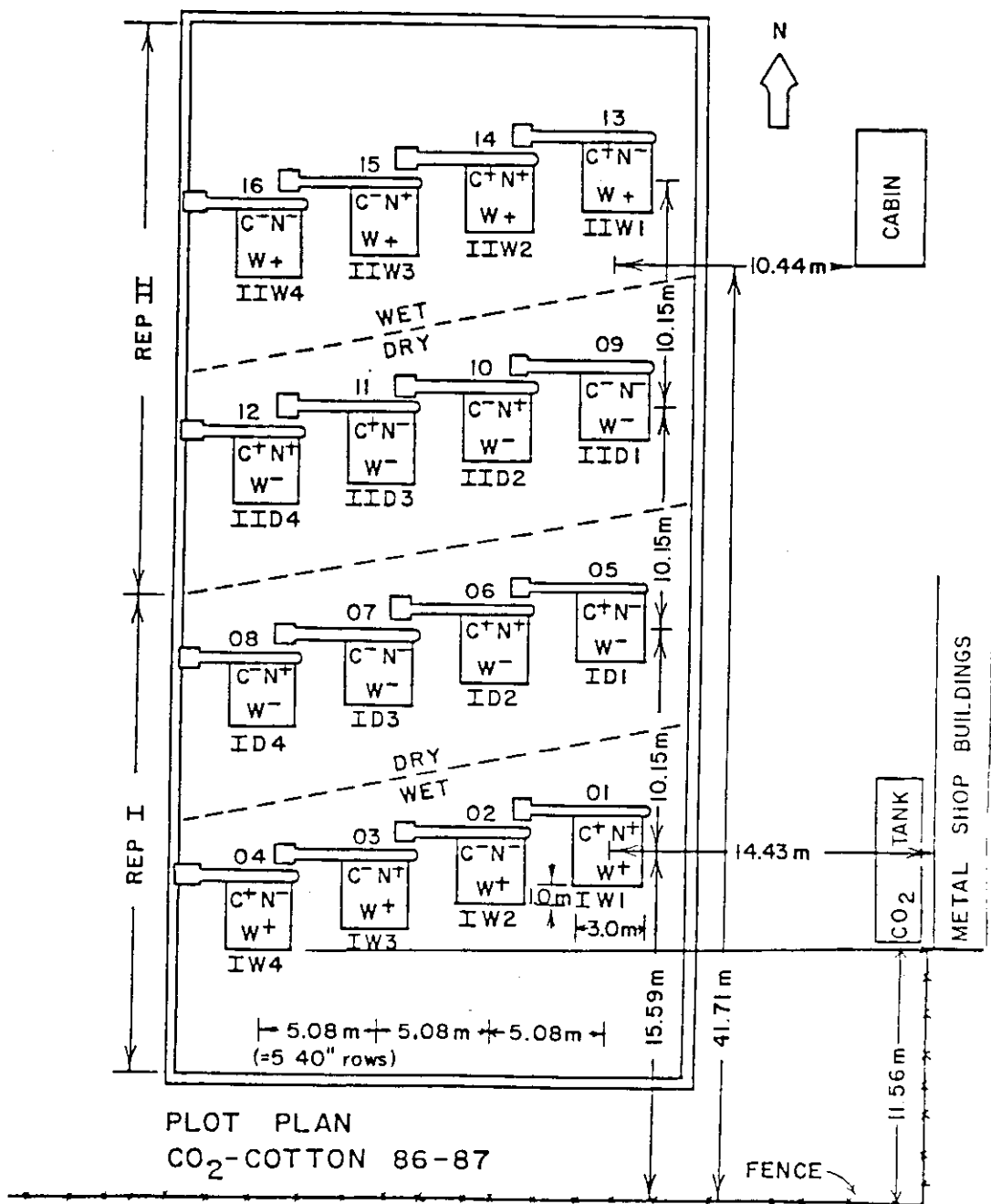
Figure 3. Plot plan for the 1986 and 1987 CO_2/WATER/NITROGEN experiments showing the arrangement of the open-top chamber plots with 2 reps (I and II), ambient (C^-) and 650 μmol mol^{-1} (C^+) CO_2 treatments, well-watered (W^+) and water-stress (W^-) irrigation treatments, and none-added (N^-) and added (N^+) nitrogen treatments.

March, and a pre-emergent herbicide, pendimethalin (Prowl), was applied at a rate of 2 liters/ha. Open-top chamber installation commenced on 2 April and was completed about 22 April with CO_2 enrichment commencing on 25 April. The tops of the beds were knocked off with a rake on 8 April, and the cotton was mostly emerged by 10 April. A few gaps were filled by some replanting and by some transplants, and the cotton was thinned to 100,000 plants/ha on 1 May.

Insects were a problem again in 1986. Early season thrips were effectively controlled with spray applications of Orthene (Kimball et al., 1986). The most serious infestation was due to leaf perforators during the last week of July. Apparently, they were resistant to malathion sprays made earlier for control of boll weevil, but their predators weren't, so perforator numbers greatly increased and caused much visible damage throughout the field. Fortunately, the damage within the open-top chamber of this experiment was much less than the open field as whole. Finally spays of Dimilin and Pydrin on 12 and 23 August, respectively, brought them under control in time to save the experiment.

Following the 1985 experiment, the cotton was picked and the remaining stalks were shredded before disk plowing. Ignoring the sections of row pulled out for sampling, the above-ground biomass residue of the field as whole was estimated to be 4500 kg/ha from the difference between total above-ground biomass and seed cotton yield of the open-field plots (Kimball et al., 1985). Again assuming that only 50% of the root mass was sampled, the root residue was estimated to twice the mass pulled from the open-field plots or 1200 kg/ha. The C:N ratio was again estimated to have been about 30. The field was pre-irrigated early in March, and the first water content measurements were taken on 10 April with planting on 31 March. The pattern was similar to that of 1984, so the initial water content profile on planting day was assumed to be similar to that of 1984. Starting in 1986, soil nitrogen level became one of the experimental variables, so the initial soil nitrate content was determined and found to average about 22.7 mg/kg from 6 samples of surface soil using the method of Cataldo et al. (1975). The shape of the profile with depth from Doerge et al. (1986)

was assumed which showed subsoil nitrate concentrations roughly half that of the surface.

1987 experiment. The 1987 experiment was planned to be a repeat of the 1986 experiment studying the three-way interaction between CO_2, irrigation level, and soil nitrogen level, but with a more severe nitrogen deficiency for the N- treatment. To remove more nitrogen from the soil, after the 1986 cotton harvest, all equipment was removed from the field, and the field was tilled and planted to a winter crop of barley. The barley was cut and removed from the field before it was mature. Then the plots were established in exactly the same locations as in 1986 so that N-plots had received no nitrogen for both the 1986 cotton crop and the winter barley crop.

After plowing and furrowing, Deltapine-61 cotton was planted on 7 April, 1987, on fairly dry soil. Open-top chamber construction started on 13 April and was mostly complete by 16 April, including installation of the drip irrigation system. On 16 and 17 April a large irrigation (89-144 mm) was applied to all plots, and the seed germinated by the 20th. There was some crusting of the soil surface, so a light irrigation (12-18 mm) was applied on 23 April. The tops of the beds were manually raked off in places where the cotton was particularly deep, and by the 24th, about 50% of the cotton was emerged. Transplants were used to fill some gaps and additional light irrigations were applied to aid their establishment. The plants were thinned to 100,000 plants/ha of 8 May, the same day the CO_2 enrichment treatment was started.

Starting on 2 June, urea was injected into the irrigation water applied to the N+ plots. Then on 14 July, a switch was made to Uran-32, which supplies readily available NO_3^--N as well as NH_4^+-N. The irrigation water was assumed to again contain 2 mg/kg of N as "natural" $Ca(NO_3)_2$. The total amount of N applied to the N+ plots was 231 kg/ha, so the N+ plots had more nitrogen and the N- plots had less nitrogen in 1987 than they did in 1986.

To prevent a recurrence of some of the insect problems of 1986, Temik was applied along the rows in the chambers on 8 May. An aggressive insecticide application program was followed, and insect damage was minimal.

The amount of residue from the previous crops was more difficult to estimate for the 1987 experiment because the cotton residue from the 1986 experiment was incorporated before planting the winter barley crop, which in turn was perhaps about 1/3 grown before it too was disk plowed to a depth of about 20 cm. Taking the more recent barley crop as the more important, the amount of residue was taken as 1/3 that of the wheat crop that preceded the 1983 experiment, but the C:N ratio was estimated to be 20, about halfway between cotton stems and alfalfa. The cotton was planted on 7 April with the first big irrigation on 16 April. However, it was following the green barley crop, so the soil water content was assumed to be slightly wetter than 1985. As already mentioned, the plots were in the same positions as in 1986 in order to enhance the difference between the nitrogen treatments. Accordingly, the soil in each individual plat was analyzed for nitrate at the beginning of the season (specific ion electrode, Keeney and Nelson (1982)). The samples were taken from two sites in each plot from the 0-15, 15-30, and 30-60 cm depths, the soil from the respective sites being composited with the other soil from the same depth. Values for all depths were estimated from the data for these three depth increments, with the 60-190 cm nitrate content taken to be the same as that in the 30-60 cm increment. There appeared to be considerable variation in initial soil nitrate content, so separate soil profile initial condition files are included for each of the 16 individual plots for 1987.

Crop Response Measurements

A destructive sample consisting of 3 whole plants was removed from each plot about 8 different times during each season at biweekly intervals. To reduce the sampling interval which was constrained by the limited amount of plant material, the total number of sample dates was extended to about 16 over the season by sampling on a weekly interval but alternating between the two replicate blocks each week. To distribute the resultant gaps as evenly as possible and to minimize the overall impact on the remaining plants, each chamber was divided into sections. The middle row was reserved for non-destructive measurements (flower counts and tagging, canopy temperature, leaf net photosynthesis

and stomatal conductance), so no intermediate sampling was done from it, and then the entire middle row was used for the final harvest data at the end of the season. The two outer rows were divided into southwest, northwest, northeast, and southeast quadrants, which were sampled at the biweek intervals in a rotating pattern from one quadrant to another each biweek. Thus, for 8 samplings, each quadrant was generally sampled twice each season. In addition, during some years, the plants removed from the initial thinning to achieve the standard plant population were used as a destructive plant sample.

The leaf area of each intermediate 3-plant sample was measured by passing the leaf blades through a Li-Cor leaf area meter. Counts were made of the number of nodes, squares, flowers, green bolls, open bolls, and abscised sites. Dry weights of the leaves, stems, green bolls, and roots (only for the final harvest) were measured after drying separately in an over at 70°C.

On every normal working day during each season, each flower in the middle row of cotton in each chamber or plot was counted and then marked with a small tag bearing the day of the year that the flower appeared. At the end of the season, the tags were collected from the bolls that were retained on the plants, sorted by week and counted. These flower counts on the middle row were in addition to those made on the destructive plant samples from the outside rows, as discussed in the previous paragraph.

CO_2 Enrichment Apparatus

The CO_2 enrichment system was described in some detail by Kimball et al. (1983), and the same basic system was used every year. A schematic diagram of an open-top CO_2 enrichment chamber is shown in Fig. 4. Basically, the 3-m-on-a-side, 1.9-m-tall square chambers consisted of clear polyethylene film (0.15 mm thick, ultraviolet light resistant) hung from cables that were supported by steel fence posts at the corners, as well as in the middle row on the door (south) side. Referring to Fig. 4, the same design was used each year except starting in 1985, two doors (and two walkways) were installed in the south side rather than just one as shown. Also in 1985, when the drip irrigation

system was first used, it was no longer necessary to elevate the walkways by 200 mm with concrete blocks as shown in Fig. 4, so in 1985 they were elevated with 30 mm thick boards, and in later years they were placed directly on the soil surface. The chamber air sampling manifolds (6-mm-ID polyethylene tubes perforated with 1.6-mm-dia. holes spaced 100 mm apart and inside an "umbrella" of 15-mm-ID PVC pipe with tees pointed downward every 30 cm., labeled "CO_2 sampling tube" in Fig. 4) were mounted originally at a height of 0.5 m in 1983 and then adjusted upward twice during the season to be at about 3/4 plant height. In subsequent years, they were instead mounted about 0.1 m above the middle row and then raised every week or so to avoid damage from the manifold hitting the plants on a windy day.

Again referring to Fig. 4, blowers drew in outside air and discharged it into a 457-mm-dia. duct that acted as a manifold for four smaller 203-mm-dia. perforated lateral ducts which extended the length of the chamber between the plant rows. The air exited the lateral tubes through perforations (25 mm diameter in pairs spaced 100 mm apart). The blowers were commercially-available evaporative coolers but used with the pads dry. They were equipped with 373 W (1/2 hp) motors and rated to deliver 1.2 m^3/s (4 air changes per min.) at 125 Pa (1/2 in. water), which was the pressure in the large manifold duct.

The system for enriching the open-top chambers and sampling the resultant CO_2 concentrations is illustrated in Fig. 5. Commercially available pure CO_2 was purchased and stored as a liquid in a 12 Mg bulk tank that was refrigerated (or heated depending on CO_2 usage rate and ambient temperatures) to maintain a pressure of about 2000 kPa. The CO_2 vapor was drawn off the top of the tank and passed through a series of regulators and valves to the supply manifold which split the stream into individual lines (6-mm-ID polyethylene tubes) to each enriched plot, where the CO_2 was directed into the blowers (Fig. 4) for vigorous mixing. The individual flows were regulated by motorized valves under computer control and typically ranged from 6-70 l/min depending on windiness.

The air from each open-top chamber was continuously sampled with a pump in each chamber, which drew in the air sample from a sampling

AIR SAMPLE TO CO$_2$ ANALYZER

CO$_2$ SAMPLING TUBE

CLEAR PLASTIC TUBING

CABLE

POST

CO$_2$ TUBE

PURE CO$_2$ FROM MAIN TANK

CO$_2$ SAMPLING PUMP & COVER

TURNBUCKLE

STAKE

DOOR

WALKWAY

CLEAR PLASTIC TUBING WITH PERFORATIONS

CABLE

COTTON PLANTS

BLOWER

CO$_2$ ENRICHES SURROUNDING ATMOSPHERE

BLOCK

0.0m 0.5m 1.0m 1.5m

SCALE

OPEN-TOP CO$_2$ ENRICHMENT CHAMBER
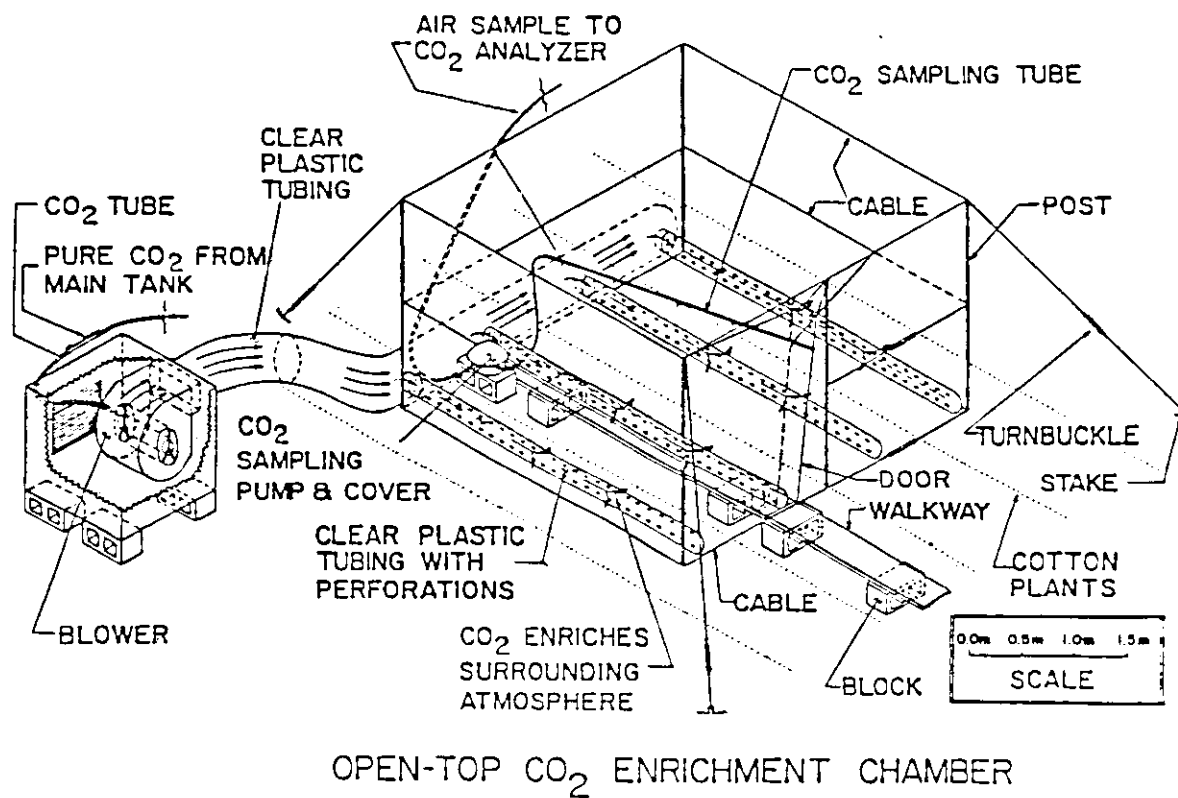
Figure 4. Scale diagram of an open-top CO$_2$ enrichment chamber.
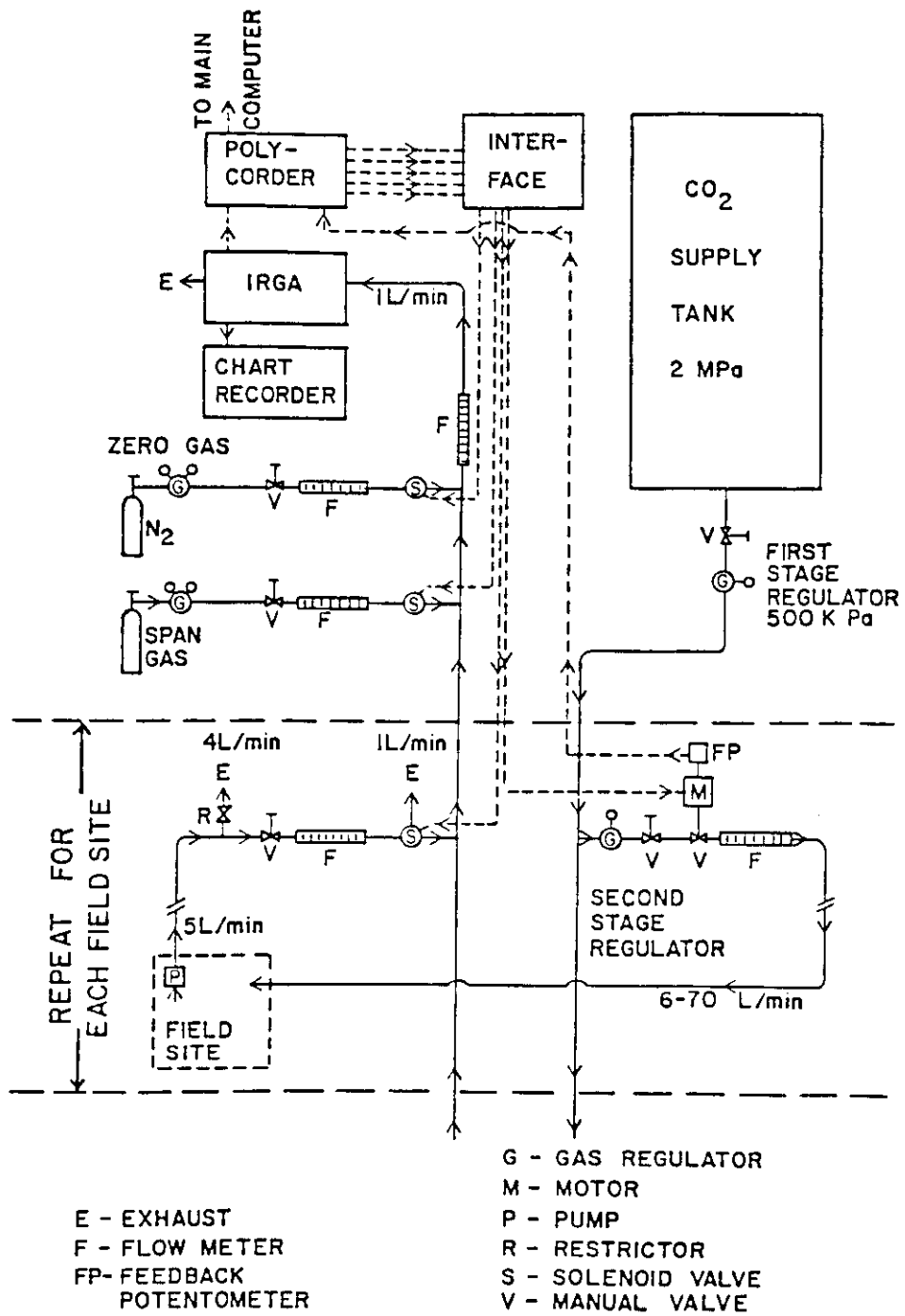
CO_2 SAMPLING/ENRICHMENT SYSTEM

Figure 5. Schematic diagram of the CO_2 sampling/enrichment system.

manifold, as discussed above. The choice of pumps changed over the years
of the experiment, starting with aquarium pumps and progressing to ever
more reliable (and expensive) models. Dayton Speedaire oil-less
diaphragm pumps rated at 24 1/min at 70 kPa were installed in 1986, and
finally proved to very dependable. However, they delivered much more air
than the 5 1/min shown on Fig. 5, which was more typical of the earlier
pumps.

An Anarad Model 600 AR non-dispersive CO_2 analyzer was used to
measure the sample CO_2 concentrations. It had an accuracy of 10 μmol/mol
on a 1000 μmol/mol scale. The analyzer was automatically calibrated
hourly using a standard mixture of CO_2 in N_2 from a compressed gas
cylinder. The mixture concentration was determined by carefully
(manually) calibrating the analyzer with commercial certified primary
standards and then passing the mixture through the analyzer. N_2 was used
for the zero gas.

An Omnidata Model 516 Polycorder computer was used to control the
sampling/enrichment system. It was programmed to sequentially open the
solenoid valves from the various open-top chambers, wait 30 sec. for the
analyzer to stabilize, measure the analyzer voltage, compute the CO_2
concentration, compare it to the desired setpoint CO_2 concentration, and
turn on the appropriate motorized valve to adjust the CO_2 flow to the
particular chamber. When sampling enriched chambers, generally 30 CO_2
concentration readings over a 1 min. period were made before stepping to
the next chamber's sample, and then the 1 min. average was compared to
the set point. The enrichment flow rates were measured using feedback
potentiometers to generate a voltage signal proportional to the degree
of opening of the motorized valves. At the end of each hour, average CO_2
concentrations and standard deviations and average flow rates were
transmitted to the main laboratory computer for storage and later
analysis.

Weather Measurements

In addition to CO_2 concentration, which is becoming evermore a
climatic **variable**, weather data were routinely measured. Solar radiation
was measured with a pyranometer (usually a Spectran Model 4048), which

was calibrated at the beginning of each season by comparison with a standard Epply pyranometer that was used only for calibrating other instruments and which was returned to the factory from time to time for recertification. Wind speed was measured with a R. M. Young Co. Gill propeller vane Model 35001 using the factory calibration to go from wind speed to revolutions per min. and then using another calibration factor obtained by spinning the shaft in a calibrated lathe to go from revolutions per min. to voltage. In 1983, the pyranometer and the anemometer were mounted on the roof of the instrument cabin at a height of about 4 m (Fig. 1). From 1984-87 they were mounted on a weather mast at 2.0 and 2.5 m heights, respectively. In 1984 and 1985 the mast was positioned close to the middle of the experimental area north of chamber IID2 and just south of the middle walkway (Fig. 2). In 1986 and 1987 the weather data were needed for an additional experiment in the field west of the chamber area, so the mast was positioned about 10 m west and 3 m north of chamber IW4 (Fig. 3; more precisely, it was located midway between the "C" and "Z" plots of Rep I of the FACE experiment, Fig. 27 of Kimball et al., 1986.)

Aspirated psychrometers with ceramic wicks and copper-constantan thermocouples (Schnell, S. M., 1983) were used to measure the dry- and wet-bulb air temperatures in every chamber and over every open-field plot. This dense sampling was regarded as necessary because it was not known *a priori* how the chamber walls and the CO_2 and irrigation treatment themselves might affect the temperature regimes. In 1986 and 1987, when there were no open-field plots, a pair of duplicate psychrometers were mounted on the weather mast to monitor ambient conditions. The psychrometers in the chambers were mounted to the southwest corner post with the intake pointed north at a slight upward angle, so that any drips from the wick would drain back away from the dry bulb. It was difficult to adjust the height, so they were fixed at a height of 130 cm, and then for uniformity, all of the outside psychrometers were also mounted at that height.

Maintenance of the psychrometers was a major job. The water reservoirs were refilled 3 times a week, at the same time checking to be sure the little aspiration blowers were operating properly and that the

wick and dry bulb were positioned in the middle of the air stream with no obstructions. The wicks were replaced weekly with an alternate set of wicks from the week before that had been cleaned by boiling for 15 min. in 1 N nitric acid. If any wet bulb seemed consistently warmer by about 1 C than the wet bulbs in corresponding chambers, that wick was replaced and discarded. As will be discussed in more detail later, part of the process of "cleaning" the data for this publication was to plot the dry and wet bulb temperatures from replicate plots together against time through the season. Generally, the agreement was very close, but there were always some times during the season when there were a discrepancies, often which could be explained by corrective actions recorded in the logbook. Because most psychrometer errors (water reservoir dry, dirty wick, wick touching wall, blower worn out, etc.) are in the direction to cause the wet bulb to be too warm, the one with the coldest wet bulb was usually taken to be correct. For those times when one of the psychrometers was known to be in error, the temperatures of its mate were taken instead for inclusion in this report.

Rainfall was measured manually in a rain gauge beside the field, which could be read to 0.01 inch or 0.25 mm. The gauge was usually read by the first person to arrive on the scene in the morning, so if a rainfall event occurred during the night, a reasoned guess was made as whether to ascribe the rain to the present day or to the day before.

Except for rainfall and CO_2 concentration, the weather data were recorded with an Acruex Autodata-9 automatic data acquisition system. The instrument was programmed to record continuously, accumulating sums, and then to output hourly averages. The hourly averages were transmitted to the main laboratory computer for storage and later analysis. This analysis included computing vapor pressures, sorting the data for individual plots by day, and outputing daily maximums, minimums, and averages.

Occasionally there were gaps in the data caused by instrument malfunctions, and also at beginning of each season there was a lag between planting the field and installing all the equipment. As discussed above, missing or bad psychrometer data could usually be replaced by that from the other replicate plot. When data from a

replicate plot was not available, however, other data sources were utilized. First, if another experiment was underway simultaneously at the USWCL, the weather data from that experiment was obtained. If no such local data was available, "outside" data was obtained from the Climatological Laboratory at Arizona State University, about 6 km to the east, and also from the National Weather Service at Sky Harbor Airport, about 4 km to the northwest. Whenever these other data were to be utilized, a graph was made of data from the outside source and that of a particular missing (or malfunctioning) instrument for 2 or 3 days when that instrument was working, and a regression equation was obtained. Then the gaps were filled using the outside data but adjusted to the particular plot using the regression equation.

Soil Parameters

There appears to be a wide range of approaches used in simulating soil processes in plant growth models. The SOYGRO (Wilkerson et al., 1983) and CERES (Ritchie, 1985; Jones and Kiniry, 1986) models, for example, have a one dimensional soil profile and use "drained upper limit" and "lower limit" as important parameter to characterize soil water. The GOSSYM (Baker et al., 1983) and GLYCIM (Acock et al., 1982) family of models, on the other hand, utilize data from a soil moisture retention curve. Thus, it is difficult to choose what soil data should be included in this report, so we have taken the conservative path and included data for both model types in order that all the plant growth data will be useable for validating as many types of cotton growth models as possible. Fortunately, the soil at our Laboratories has been studied in several prior soil physics experiments, so considerable data are available. Density and hydraulic information are presented in Table 1. In the actual soil data files, the order of presentation is the following: (1) the IBSNAT (1986) standard (described in more detail later), (2) the additional parameters proposed by Acock (B. Acock, 1988, personal communication), and (3) the additional parameters needed for GOSSYM (Baker et al., 1983).

Classification: Avondale loam (fine-loamy, mixed (calcareous), hyperthermic, Anthropic Torrifluvent). It was formerly called Adelanto,

Table 1.   Density and hydraulic properties of Avondale loam. The
            data are averages from the 2 sites of Brust et al. (1968)

Depth	Particle density RHOS	Bulk density BD	Residual water content THETAR	Bubbling pressure PSIBUB	Pore-size distribution index XLAMBDA	Saturated hydraulic conductivity SCOND
cm	Mg/m^3	Mg/m^3	m^3/m^3	kPa		$\mu m/s$
20	2.72	1.52	0.23	1.2	0.52	1.9
60	2.72	1.48	0.24	1.1	0.59	31.
160	2.72	1.46	0.27	0.8	0.61	10.

and because the texture falls close to the line between loam and clay
loam, it has also been called a clay loam. The Ap horizon is about 30 cm
thick with a fairly uniform Cl horizon below that to 1.5 m or more over
most of the area. This description seems accurate for the soil at the U.
S. Water Conservation Laboratory (Fig. 1, used in 1983), and most of the
field at the Western Cotton Research Laboratory (Figs. 2 and 3, used in
1984-1987), and these soil data are in file AVONDALE.CT2.

However, as discussed elsewhere, there was a gravel layer at about
the 1 m depth at the north end of the field plot area at the WCRL
(Figs. 2 and 3), which appeared to be about 30 cm thick. While it seems
unlikely that this gravel layer significantly affected cotton growth,
nevertheless, we have provided additional soil profile data in file
AVONGRAV.CT2 for Avondale loam with a gravel layer at the 100-130 cm
depth. The experiment directory files (CTEXP__.DIR) and the soil profile
initial condition files (_____.CT5) presume the gravel layer will be
accounted for in plots 13-16 (Figs. 2-3). This may be unnecessary, but
it is also conceivable that if a model is sensitive to such deep soil
conditions, then it could be necessary to perhaps similarly provide a
gravel layer for plots 9-12 at about the 130-160 cm depth. Also, in 1983
the three lysimeters at the USWCL were used, which contain reconstituted
Avondale loam layer by layer, but they are only 1.5 m deep. Therefore, a

third set of soil profile data are provided for the lysimeters in file AVONLYSM.CT2.

Particle density, RHOS: 2.72 Mg/m^3 (Table 1, Brust et al., 1968)

Albedo, SALB: The albedo of bare Avondale loam was studied in detail by Idso et al. (1975). Normalized to a zenith angle of 0 degrees, the albedo varied from 0.14 when wet to 0.30 when dry. Since the albedo when wet has the more influence on cumulative evaporation, the wet value is included in the data files.

Upper limit of stage 1 soil evaporation, U: Ritchie (1972) states that this parameter is 12 mm for our soil. However, Kimball and Jackson (1971) showed that it varied from 12 to 24 mm. Since Ritchie developed the CERES models using this parameter, perhaps 12 mm should be used and this value is included in the data files.

Soil water drainage constant, SWCON: Following Ritchie et al. (1986, p. 39), SWCON was calculated for each soil layer from the porosity and "drained upper limit" for each soil layer, and then the minimum value among all the layers was taken as the profile value of 0.32.

SCS curve number for calculating runoff, CN2: According to local SCS personnel (Mr. Lee Hardy), Avondale loam is in the "B" class, and therefore, for cotton planted in straight rows the curve number would be about 80. This value agrees with Table 3.3 of Ritchie et al. (1986).

Annual average air temperature, TAV, and range or amplitude, AMP: The annual average air temperature recorded by the National Weather Service at Sky Harbor International Airport was 21.8°C with a maximum of 33.5 °C for the month of July and a minimum of 11.3 °C for January (Schmidli, 1986) for a range of 22.2 °C.

Annual average deep soil temperature and range: Average annual deep soil temperature would be expected to exceed average annual air temperature slightly. For about 2 1/2 years Kimball et al. (1981) measured soil temperature at a depth of 2.5 m. The average maximum was 27.3 in October and the average minimum was 19.8 in March for a range of 7.5. The annual average at the 2.5 m depth was about 23.6 °C.

Mineralization rate reducer, DMOD: Coefficients for the radial-flow root uptake equation, SWCON1, SWCON2, and SWCON3; Maximum daily

root water uptake per unit root length, RWUMX; and Variable to reduce apparent photosynthesis attributed to soil fertility, PHFAC3; Lacking any better information, the values supplied for these parameters are the IBSNAT (1986) default values: 1.0, 0.00267, 58, 6.68, 0.03, and 1.0, respectively.

Thickness of each soil layer, DLAYR(L): The soil layer thicknesses were chosen following Ritchie et al. (1986). The layers above the 30 cm depth are in the Ap horizon, whereas the rest of the profile is in the C1.   Lower limit of plant extractable water, LL(L): LL was calculated from the algorithm of Ritchie et al. (1986, p. 43) from the clay content, bulk density, and organic matter content. The calculated values of 0.145-0.15 are in excellent agreement with the -1500 kPa water content determined by Jackson (1973) (Fig. 6).

Drained upper limit of soil water content, DUL(L): DUL was similarly calculated from Ritchie et al. (1986, p. 43) using LL(L) and clay content, bulk density, and organic matter content. The calculated value of 0.272 for the surface soil is slightly higher than the -33 kPa water content of about 0.26 determined by Jackson (1973) (Fig. 6).

Saturated water content, SAT(L): The saturated water content was computed following Ritchie et al. (1986) as the drained upper limit plus 0.5 times the difference between total porosity and drained upper limit.

Default soil water content, DSW(L): The DUL values were used because probably there would have been a pre-irrigation before the start of a simulation.

Weighting factor for soil layer to determine new root growth distribution, WR(L): Following Ritchie et al. (1986), the top soil layer was set to 1.0, and then their exponential decay function was used to compute the values for the other depths. For the case of the plots with the gravel layer, WR was arbitrarily reduced from 0.10 to 0.05 for the 100-130 cm depths.

Bulk density, BD(L): The bulk density data for the shallow depths (<10 cm) were estimated from Fig. 4 of Jackson et al. (1974), which shows a minimum of about 1.20 Mg/m^3 at the surface, increasing rapidly to about 1.47 at 2 cm, and then a gradual increase to about 1.52 at 10 cm. The data for the deeper depths were interpolated from Brust et al.

(1968), who found the bulk density was 1.52 Mg/m^3 at 20 cm, and decreased to 1.48 and 1.46 at the 60 and 150 cm depths, respectively. No measurements of the effects of tillage or wheel tracks were available.

Organic carbon concentration, OC(L): Nakayama (1965) determined that the organic matter content was 1.13%. Assuming the organic matter was predominantly similar to carbohydrate (CH$_2$O) and therefore 40% carbon, the organic carbon content of the upper 30 cm taken as 0.45%. It was then reduced roughly linearly below that depth to 0 at 100 cm.

Default and initial soil ammonium, DNH4(L), NH4(L): Zero. As mentioned above, experience from many samples has shown that NH$_4^+$-N contents of Arizona soils are very low (P. Eberhart, IAS Laboratories, Phoenix, Arizona, Personal communication), presumably because nitrification is rapid at our temperatures (Soil Improvement Committee, 1985).

Default soil nitrate, DNO3(L): Estimated from measurements (Kimball et al., 1986, 1987) to be in the range of about 20 mg/kg at the surface with perhaps half that much at deeper depths (Doerge et al., 1986).

Default and initial pH, DPH(L), PH(L): The default pH of the plow layer was taken as 7.7 from Nakayama (1965) and as 8.0 below 30 cm as stated as typical of the Avondale series by the Soil Survey.

Coarse fragments, ROCK(L); sand, SAND(L); silt, SILT(L); and clay, CLAY(L): The amount of coarse fragments was taken as 0%, except for the gravel layer at about 100-130 cm under the north plots (Fig.s 2 & 3), for which it was assumed that about 50% of the material was coarse. For the sand, silt, and clay, the data obtained by Reginato (R. J Reginato, personal communication, 1959) was used. Shortly after the U. S. Water Conservation Laboratory was constructed, the soil in the experimental plots south of the laboratory was extensively sampled, and particle size was analyzed using the hydrometer method. The averages of 5 sites for each depth are presented.

Saturated hydraulic conductivity, SCOND(L): The hydraulic properties of Avondale loam at the U. S. Water Conservation Laboratory were studied intensively by van Bavel et al. (1968a,b) and Brust et al. (1968) (Table 1). Averaging over 2 sites, Brust et al (1968) reported

the saturated conductivity was 1.9, 31, and 10 μm/s at the 20, 60, and 160 cm depths. Bouwer and Rice (1965) also measured SCOND, and they reported values of 20.0, 10.0, 7.0, and 7.3 μm/s for the 0, 18, 30, and 50 cm depths, respectively, for 21 or more determinations at each depth. Because of the greater sampling number, the values of Bouwer and Rice were taken as the more reliable.

Cation exchange capacity, CATEXC(L): The cation exchange capacity of the surface horizon was determined by Nakayama (1965) to be 286 meq/kg. The exchange capacity was adjusted from this value for the other depths in proportion to clay content.

Air dry water content, AIRDR: The "air dry" water content is needed for some models. However, it is not precisely defined unless the temperature and relative humidity conditions are specified. For Avondale loam at 27 °C, Fink and Jackson showed that the water content increased roughly linearly from about 0.02 at a relative humidity of 10% to about 0.06 at a relative humidity of 80%. Considering that the average annual relative humidity is about 40% for Phoenix (Schmidli, 1986), a figure of 0.03 for the air dry volumetric water content is reasonable.

Soil water potential, conductivity, and diffusivity: The GOSSYM (Baker et al., 1983) and GLYCIM (Acock et al., 1982) models require several soil hydrologic parameters that pertain to the soil water retention curve, which relates soil water potential to the volumetric water content, θ (THETA). The soil water potential, ψ (PSI, kPa) is also often expressed as a pressure head h (H, m of water) which are related by Eq. 1

$$\psi = \rho_w gh \qquad [1]$$
$$\text{PSI} = \text{RHOW*GRAV*H}$$

where ρ_w (RHOW, kg/m^3) is the density of water and g (GRAV, m/s^2) is the acceleration of gravity. Figure 6 shows a retention curve for Avondale loam from Jackson (1973), which was constructed from laboratory and field measurements conducted at various times during the prior decade. Therefore, the measured curve is known within a relatively small amount of uncertainty.

Another important parameter is the soil water diffusivity, D (DIFF), which is a transfer coefficient that is used to relate rate of water movement, J, to water content gradient, $d\theta/dz$, where z is a space variable.

$$J = - D(d\theta/dz) \tag{2}$$

Figure 7 shows measured data points for Avondale loam (at a bulk density of 1.45 Mg/m^3 and a temperature of 25 °C) as presented by Jackson et al. (1974).

The rate of water movement can also be related to the soil water potential gradient, as in Eq. [3].

$$J = - K(d\psi/dz) \tag{3}$$

K (COND) is the hydraulic conductivity. Figure 8 shows data points measured in the field by Brust et al. (1968) at relatively high water contents. The solid curve is from Jackson (1973), and it has been "matched" to the Brust et al. data in the high range. It was calculated from the measured retention curve in Fig. 6 using the technique of Jackson (1972), which was shown to be quite accurate and which will be discussed more fully later.

It is beyond the intended scope of this report to discuss the relative merits of various approaches to modeling soil hydrologic processes, particularly with respect to their generality for application to many soils. On the other hand, it is instructive to examine how well a few of the approaches in use by various models appears to fit our Avondale loam, and to present the parameters appropriate to characterize them.

Brooks and Corey (1964) presented one such theory for describing the retention curve and hydraulic conductivity, K (COND), by 2 related equations, as discussed by Whistler (1976, 1982):

$$(\theta - \theta_r)/(\theta_s - \theta_r) = (\psi_b/\psi)^\lambda \tag{4}$$

(THETA-THETAR)/(THETAS-THETAR) = (PSIBUB/PSI)**XLAMDA
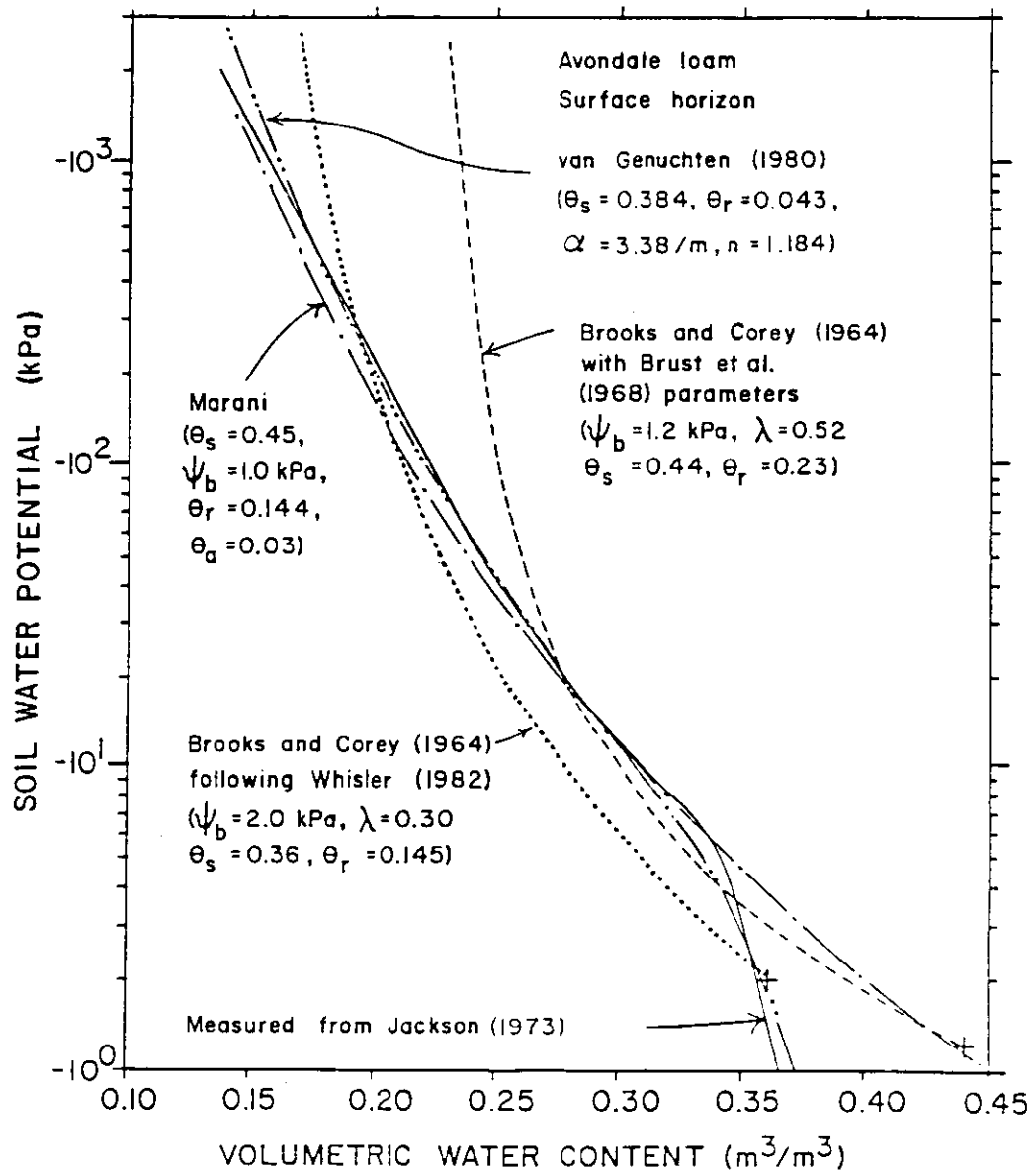
Figure 6. Soil water retention curve for surface horizon of Avondale loam. Solid line ——— compiled from measurements by Jackson (1973). Dashed curve --- using Brooks and Corey (1964) theory with Brust et al. (1968) parameters: bubbling pressure, 1.2 kPa; pore size distribution index, 0.52; saturated water content, 0.44; and residual water content, 0.23. Dotted curve .... using Brooks and Corey theory following the procedure outlined by Whisler (1982) with the parameters: bubbling pressure, 2.0 kPa; pore size distribution index, 0.30; saturated water content, 0.36; and residual water content, 0.14. Dash-dot-dash curve (-·-) using the equation attributed to Marani (Acock et al., 1982) with saturated water content of 0.45, a saturated water potential of 1.0 kPa, a residual water content of 0.144 which was 0.001 less than a -1500 kPa water content 0.145, and an air dry water content of 0.03. Dash-dot-dot-dash curve (-··-) using the van Genuchten (1980) equation with saturated water content of 0.384, residual water content of 0.043, α - 3.38/m, and n - 1.184.
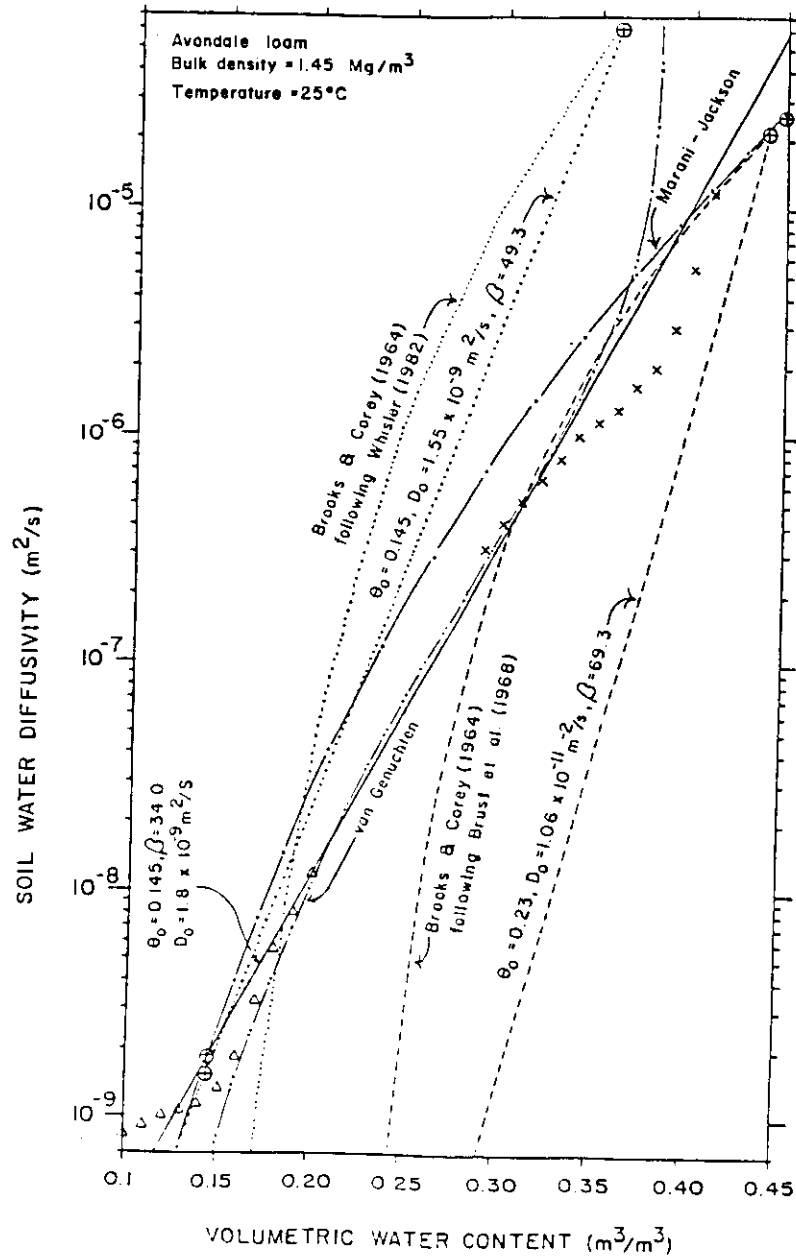
Figure 7. Soil water diffusivity versus volumetric water content for surface horizon of Avondale loam. The measured data points are the isothermal liquid diffusivity data presented by Jackson et al. (1974). The solid line (———) was fitted by eye to the data. The dotted (....) and dashed (----) curves (Brooks and Corey) are from Eq. [8] using the corresponding parameters from Fig. 6 and a saturated conductivity of 20 μm/s (Bouwer and Rice, 1965). The dotted and dashed straight lines were obtained following Whisler (1982) using the corresponding parameters from Fig. 6, again with a saturated conductivity of 20 μm/s. The dash dot dash (-·-) curve was computed using the Marani curve from Fig. 6 in Jackson's (1972) method for computing conductivity (with a saturated conductivity of 20 μm/s) followed by multiplying by the derivative of the Marani equation to get diffusivity. The dash-dot-dot-dash (-··-) curve was computed from the van Genuchten Eq. [18] with the corresponding parameters from Fig. 6 and a saturated conductivity of 20 μm/s.

Figure 8.

Hydraulic conductivity for surface horizon of Avondale loam. The measured data points are from Brust et al. (1968). The solid curve (———) from Jackson (1973) who used his numerical approach (Jackson, 1972) and the Brust et al. data for "matching" to compute conductivity from the retention curve in Fig. 6. The dotted (...), dashed (– – –) curves (Brooks and Corey) are from Eq. [5] using the corresponding parameters from Fig. 6 and a saturated conductivity of 20 μm/s. The dash–dot–dash (–·–) curve was computed using the Marani curve from Fig. 6 with Jackson's (1972) method for computing conductivity (with a saturated conductivity of 20 μm/s). The dash–dot–dot–dash (–··–) curve was computed from the van Genuchten Eq. [17] with the corresponding parameters from Fig. 6 and a saturated conductivity of 20 μm/s.
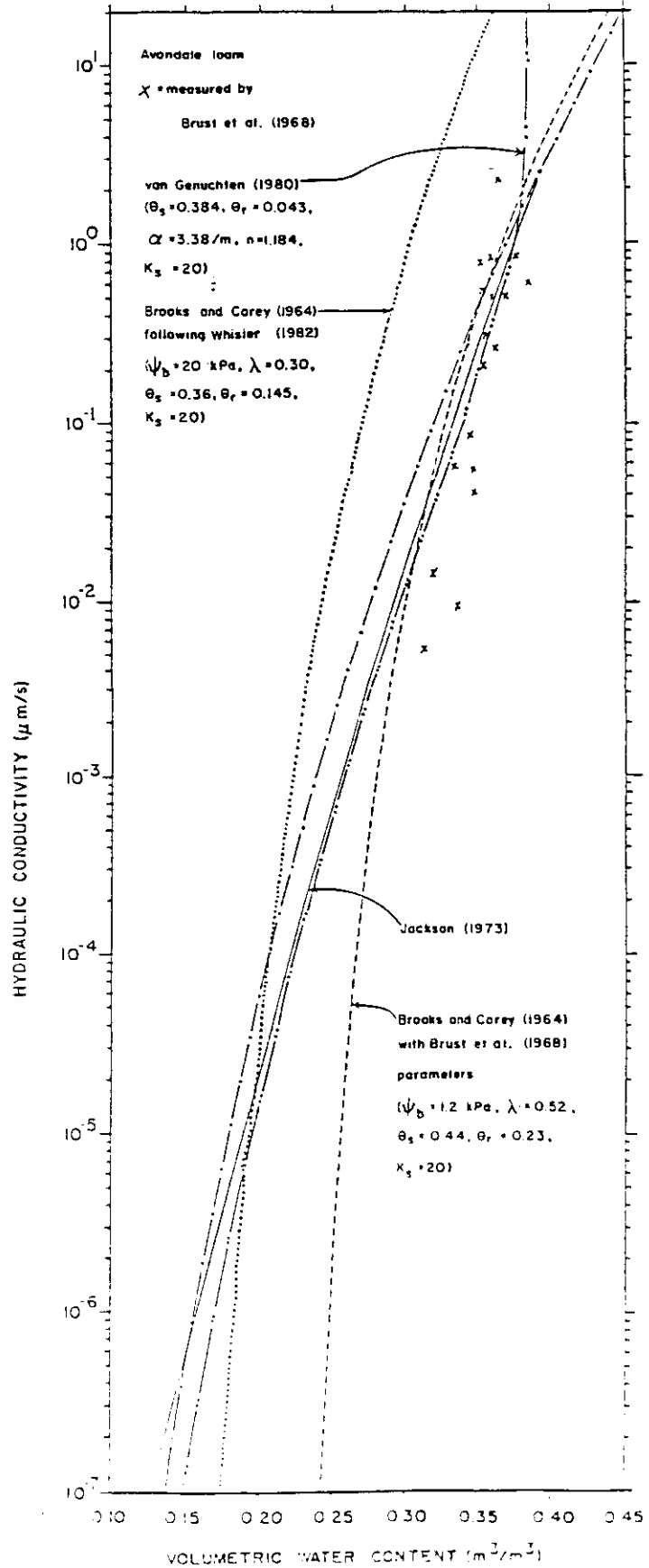
$$K = K_s(\psi_b/\psi)^\eta \tag{5}$$

    COND = SCOND*(PSIBUB/PSI)**ETA

where

$$\eta = 2 + 3\lambda \tag{6}$$

    ETA = 2 + 3*XLAMDA

and λ (XLAMDA) is a pore-size distribution index. ψ_b (PSIBUB) is the bubbling pressure or potential at which air begins to enter the soil, θ_r (THETAR) is a "residual" water content, θ_s (THETAS) is the saturation water content, and K_s (SCOND) is the hydraulic conductivity at saturation.

The diffusivity, D, can be computed from the hydraulic conductivity times the derivative of water pressure potential with respect to water content, $d\psi/d\theta$ (DPSI).

$$D = K(\rho_w g)^{-1}(d\psi/d\theta) \tag{7}$$

    DIFF = COND*(1./(RHOW*G))*DPSI

Following Whistler (1976) and rearranging, the Brooks and Corey relationships also yield diffusivity:

$$D = [(K_s\psi_b)/(\lambda\rho_w g)][1/(\theta_s-\theta_r)](\psi_b/\psi)^{(2\lambda+1)} \tag{8}$$

    DIFF = ((SCOND*PSIBUB)/(XLAMDA*RHOW*GRAV))*(1/(THETAS-THETAR))*
            (PSIBUB/PSI)**(2*XLAMDA + 1)

Gardner and Mayhugh (1958) showed that for many soils, diffusivity changed with water content according to:

$$D = D_0 exp[\beta(\theta-\theta_0)] \tag{9}$$

    DIFF = DIFFO*EXP(BETA*(THETA - THETAO)

where D_0 (DIFFO) is the diffusivity at some low water content, θ_0 (THETAO), presumed generally to be at the -1500 kPa potential or wilting point, and β (BETA) is a soil characteristic parameter. Since we have diffusivity data for the Avondale loam soil, it was a simple matter

to obtain the Gardner and Mayhugh parameters directly, without depending on the retention curve or saturated conductivity. Accordingly, the solid line in Fig. 7 was fit to the data by eye. The defining parameters were determined, and the values of $\theta_0=0.145$, $D_0= 1.8 \times 10^{-9}$ m^2/s, and $\beta=34.0$ are resented in the data tables.

Brust et al. (1968) tested the Brooks and Corey theory on Avondale loam. They made several determinations of the soil water retention curve using both field and laboratory methods, and indeed their data were included in developing the Jackson (1973) curve. Brust et al. extracted the values in Table 1 from their data. Yet, using their values of $\psi_b=1.2$ kPa, $\lambda=0.52$, $\theta_s=0.44$, and $\theta_r=0.23$ produces the dashed curve in Fig. 6, which only approximates the measured curve for water contents from about 0.25 to 0.35. Using the Bouwer and Rice value of 20 μm/s for the saturated conductivity, hydraulic conductivity and diffusivity were calculated from Eqs. 5 and 8, respectively, and they are and plotted as the dashed curves in Figs. 7 and 8. The curves are only close to the data from about 0.3 to 0.4 water content. Following Whistler (1982), values of the Gardner and Mayhugh θ_0, D_0, and β were obtained for the Brust et al. curves, and the result is the straight dashed line in Fig. 7. Clearly, it does not represent the data very well.

In an attempt to see if better parameters could be obtained that would make the Brooks and Corey theory fit the data in Figs. 6-8 better, the procedure outlined by Whistler (1982) was followed using $\psi_b=2.0$ kPa, $\theta_s=0.36$, and $\theta_r=0.145$. The plot of $\ln[(\theta-\theta_r)/(\theta_s-\theta_r)]$ versus $\ln(\psi_b/\psi)$ was rather concave, but as recommended by Whistler, $\lambda=0.30$ was obtained as the slope of a line fit to the higher water content end. The results are the dotted curves in Figs. 6-8 (again using a saturated conductivity of 20 μu/s). They do not appear to represent the data much better than did the dashed curves using the Brust et al. parameters. When the Gardner and Mayhugh θ_0, D_0, and β were obtained following Whistler (1982), the straight dotted line in Fig. 7 was obtained, and it is a somewhat better representation of the data, but not much. If a user wishes, he or she can probably find parameter values that will make the Brooks and Corey curves fit the Avondale loam data better than these examples, but it

appears that it will be difficult to obtain a close fit for a wide range of water content.

An alternative to the Brooks and Corey Eq. [2] for describing the retention curve is an empirical equation attributed to Marani and used in the GLYCIM model (Acock et al., 1982), which is:

$$\psi = \psi_b [(\theta - \theta_a)/(\theta_s - \theta_a)]^f \qquad [10]$$

PSI = PSIBUB*((THETA-AIRDR)/(THETAS-AIRDR))**PSIFAC

where $f = \log(\psi_r/\psi_b)/\log[(\theta_r - \theta_a)/(\theta_s - \theta_a)]$

PSIFAC = LOG(PSIR/PSIBUB)/LOG((THETAR-AIRDR)/(THETAS-AIRDR))

The additional parameters include θ_a (AIRDR), the "air-dry" water content; θ_r (THETAR), a low reference water content; and ψ_r (PSIR), the reference water potential corresponding to θ_r. θ_r is similar to the "residual" water content of Brooks and Corey but is more explicitly defined as the θ_0 less 0.001. The Marani curve in Fig. 6 was fitted using θ_s=0.45, ψ_b=1.0 kPa, θ_r=0.144, and θ_a=0.03. It appears to fit well except above about a water content above about 0.35, where the soil is very wet and gravity flow would be expected to be more important than capillary flow. An equally good fit could be obtained using ψ_b=3.5 kPa and θ_s=0.35, or following the usage in the July 1987 version of GOSSYM, a good fit could also be obtained using field capacity for the known fixed point at high water content (ψ_b=33 kPa, θ_s=0.26).

We are not aware of any published analytical curve equivalent to Eq. [5] for linking the Marani retention curve to conductivity. However Jackson (1972) presented a numerical equation which can be used to calculate conductivity from any retention curve. It requires breaking the curve into equal water content increments and computing sums of terms containing the reciprocal of the water potential squared as follows:

$$K_i = K_s(\theta_i/\theta_1) \frac{\sum_{j=i}^{m} [(2j+1-2i)/\psi_j^2]}{\sum_{j=1}^{m} [(2j-i)/\psi_j^2]} \qquad [11]$$

A-49

where m is the total number of water content increments. From Nielsen et al. (1972), θ_i is the highest water content for each increment and K_i is the conductivity corresponding to θ_i, but ψ_i is the water potential at the midpoint of each increment. The calculations are begun at the saturated water content, $\theta_1 = \theta_s$.

Once values of conductivity are obtained from the Jackson Eq. [11] using the Marani Eq. [10] to compute ψ from θ, it is a relatively simple matter to use Eq. [7] to compute diffusivity, particularly since

$$d\psi/d\theta = \psi f/(\theta - \theta_a) \qquad [12]$$

from differentiating the Marani Eq. [10]. The resultant Marani-Jackson diffusivity curve is also shown in Fig. 7, and although it is somewhat above the data for much of the water content range, nevertheless, the agreement is quite respectable, especially in comparison to the Brooks and Corey curves.

Starting with the work of Mualem (1976), van Genuchten (1980) has derived additional analytical equations relating θ, ψ, D, and K. Moreover, these works of Mualem and van Genuchten as well as later works by van Genuchten and coworkers (van Genuchten and Nielsen, 1985; Wosten and van Genuchten, 1988; van Genuchten et al., 1992) showed the new equations fit the data from more soils better than did the Brooks and Corey Eqs. 4-8. Their equation for the soil water retention curve is:

$$\theta = \theta_r + (\theta_s - \theta_r)[1 + |\alpha\psi/(\rho_w g)|^n]^m \qquad [13]$$

THETA=VGTHR + (VGTHS-VGTHR)*(1.+ABS(PHA*PSI/(RHOW*GRAV)))**XN)**XM

where α, n, and m are empirical fitted constants. θ_s (VGTHS) and θ_r (VGTHR), the "van Genuchten" saturated and residual water contents, respectively, are defined similarly as before, and they need not be fitted. However, as discussed by van Genuchten and Nielsen (1985) and van Genuchten et al. (1992), the retention curve can be made more representative of field soils when θ_s and θ_r are fitted as

extrapolations toward the wet and dry ends of the curve, respectively. At the wet end, such fitting can help to compensate for entrapped air and cracks and holes, which should be especially helpful when these retention curves are used to compute conductivity and diffusivity.

Letting

$$S = (\theta - \theta_r)/(\theta_s - \theta_r) \tag{14}$$

RSAT = (THETA-VGTHR)/(VGTHS-VGTHR)

the inverse form of Eq. 13 is:

$$|\psi| = (\rho_w g/|\alpha|)(S^{-1/m} - 1)^{1/n} \tag{15}$$

PSI = (RHOW*GRAV/ABS(ALPHA))*(RSAT**(-1./XM) - 1.)**(1./XN)

As discussed by van Genuchten and coworkers, greater flexibility and closer fits of the equation to measured curves can be obtained if m and n are independent. However, the goodness-of-fits to many soils is still quite acceptable and relatively simple equations for K and D can derived if:

$$m = 1 - 1/n \tag{16}$$

XM = 1. - 1./XN

where 0<m<1. With the constraint of Eq. 16,

$$K = K_s(S)^{1/2}[1 - (1 - S^{1/m})^m]^2 \tag{17}$$

COND = SCOND*(RSAT**0.5)*(1. - (1. - RSAT**(1./XM))**XM)**2

and

$$D = [K_s \rho_w g S^{(1/2 - 1/m)}/(\alpha m(\theta_s - \theta_r))][(1-S^{1/m})^{-m} + (1-S^{1/m})^m - 2] \tag{18}$$

DIFF = (SCOND*RHOW*GRAV*RSAT**(0.5-1./XM)/(ALPHA*XM*(VGTHS-VGTHR))
     *((1.-RSAT**(1./XM))**(-XM) + (1.-RSAT**(1./XM))**XM - 2.)

Using a program written by R. Shen and revised by D. Jaynes (D. Jaynes, Personal Communication, 1989) called SLREG, the parameters θ_s,

θ_r, α, and n were fitted to the Jackson (1973) curve in Fig. 6, subject to Eq. 16, with 0.384, 0.043, 3.38/meter, and 1.184 being the resultant values, respectively. Inspection of Fig. 6 reveals the van Genuchten curve has the closest fit to the measured curve over the largest range of water content. Moreover, it also appears qualitatively better because it bends in the same direction as the measured curve at high water content, in contrast to all the other curves. Using these same parameter values along with a value of K_s of 20 μm/s in Eqs. 17 and 18 for conductivity and diffusivity resulted in the "van Genuchten" dash-dot-dot curves in Figs. 7 and 8. The "van Genuchten" diffusivity curve in Fig. 7 is closer to the data and to the straight line fitted by eye than any of the other curves. Similarly in Fig. 8, the "van Genuchten" curve is closer to the "measured Jackson" curve than any of the others.

Another computer program recently became available to calculate the van Genuchten parameters called RETC, which was written by van Genuchten et al. (1992). In contrast to SLREG, RETC can accommodate values from a hydraulic conductivity-pressure head curve in addition to the soil water retention curve. It then seeks values of θ_s, θ_r, α, and n which minimize the sum of squares of deviation from both curves. It is difficult to get a K-h curve, and most modelers will feel lucky if they have a value for the saturated conductivity, K_s, for their soil, so the first procedure using only the retention curve and K_s with SLREG (or RETC) is probably more generally applicable. Nevertheless, using the Jackson (1973) curves from Figs. 6 and 8 in RETC, produced values of 0.359, 0.076, 1.37/m, and 1.258 for θ_s, θ_r, α, and n, respectively. The resultant curves are not plotted in Figs. 6-8 in order to avoid even more clutter, but the fit of the retention curve in Fig. 6 was slightly worse, while the fit to the conductivity curve in Fig. 8 was slightly better, as expected considering that the conductivity data was also included in the fitting process. If the capillary redistribution of the soil water is most important to the user of the data in this report, then probably this latter set of parameters should be used. On the other hand if the soil water retention curve is being used to evaluate plant water potential, then perhaps the user would prefer to use the first set

of parameters with the better fit to the retention curve. We have included the first set of parameters in the data tables.

Thus, there are multiple definitions of θ_s and θ_r depending on whose theory is being followed. In the soil profile property (FILE2) tables, we have included the Ritchie et al. (196) definition of SAT with the IBSNAT data in the first part of the table. We appended the van Genuchten (1980) fitted values of VGTHS and VGTHR (and ALPHA and XN) to the IBSNAT portion of the files. We assumed these values changed with depth in inverse proportion to bulk density (while α and n did not change). Gravel was assumed to dilute θ_s and θ_r in inverse proportion to the amount of gravel. Because the Marani equation apparently is in use in the GLYCIM and GOSSYM models, values for THETAS, THETAR, and AIRDR are included in the latter part of the tables with the other parameters for these models. For parameters that pertain exclusively to Brooks and Corey theory, ie η, those obtained following Whisler rather than Brust et al. are presented.

It was noted above that the "lower limit of extractable water" and the "drained upper limit" used by the CERES models (Jones and Kiniry, 1986), as determined for our Avondale loam following the algorithm of Ritchie et al. (1986), correspond rather closely with the 1500 kPa "wilting point" and the 33 kPa "field capacity" water contents. It is also interesting to note that the CERES models use a Gardner and Mayhugh diffusivity curve with constant D_0 of 1.0×10^{-9} m^2/s and β of 35.4, and setting θ_0 to be the lower limit of extractable water. These parameters yield a line very close to our fitted solid line in Fig. 7, so one would expect the CERES models to be able to simulate the hydrologic processes in Avondale loam reasonably well.

The curves in Figs. 6-8 and associated parameters are for the surface horizon of Avondale loam. Adjustments with depth were estimated as follows. Following Jackson et al. (1974), the retention curve (Fig. 6) was presumed to vary less with gravimetric than volumetric water content, so the water content parameters (THETA0, ; THETAR, ; AIRDR, ; FC) were multiplied by the ratio of the bulk density at the surface (1.45 Mg/m^3) to that a particular depth. The largest adjustment with depth was to diffusivity at high water content. There likely was

little shift in the dry range, so DIFF0 was held constant with depth. The saturated hydraulic conductivity data of Bouwer and Rice (1965) presented above were used to proportionately reduce diffusivity at saturation (Eq. [5]) and slope of the line (semi-log, Fig. 7), BETA, was adjusted to connect the DIFF0, THETA0 point with the new saturated diffusivity value at saturated water content.

Deep or lower boundary soil water content (THETAI): In GOSSYM, the water content at the bottom of the lowest layer of the soil profile at the beginning of the season must be given as THETAI. Then at a given time, TD (days), after the appearance of the first bloom, the water content is modeled to decline at a rate given by BDSLOP $((m^3/m^3)/day)$ until it reaches some final low water content defined a given ratio, BDRATO, which is the ratio of the initial to the final water content. To some extent, this empirical approach requires that an experiment be performed to obtain TD, BDSLOP, and BDRATO. The soil profiles have been defined to a depth of 190 cm in the files for these experiments. Soil water content was measured in some of the plots down to a depth of 150 cm and only in 1984 and 1986 did it change significantly at the 150 cm depth during the growing season. The changes came during August. Because the soil profile was defined here to a depth of 190 cm, whereas GOSSYM was developed generally using a 100 cm profile, it was assumed that probably the water content at 190 cm did not change much during the growing season. The "consumptive use" studies of Erie et al. (1982) also suggested that a cotton crop uses little water from below 180 cm in this area. Therefore, TD was taken as 47 (typically used in Mississippi for GOSSYM), BDSLOP as zero, and BDRATO as 1.0. Estimates of the initial water content at 190 cm were made based on the measurements at 150 cm; these values were 0.24, 0.28, 0.22, 0.22, and 0.22 for 1983, 1984, 1985, 1986, and 1987, respectively. Since, the water use from this depth is small, using an average 0.24 probably would not introduce much error, and this value is included in the data files for THETAI.

REFERENCES

Acock, B., V. R. Reddy, F. D. Whisler, D. N. Baker, J. M. McKinion, H. F. Hodges, and K. J. Boote. 1982. The soybean crop simulator GLYCIM: Model documentation. USDA-ARS Crop Simulation Research Unit and Department of Agronomy, Mississippi State University, Mississippi State, MS. 316 pp.

Baker, D. N., J. R. Lambert, and J. M. McKinion. 1983. GOSSYM: A Simulator of Cotton Crop Growth and Yield. Tech. Bull. 1089, S. Carolina Agric. Expt. Sta., Clemson, SC. 134 pp.

Bouwer, H., and R. C. Rice. 1965. Field measurement of critical pressure head of soils. 1965 Annual Report, U. S. Water Conservation Laboratory, Phoenix, AZ. 41-1 to 41-19.

Brooks, R. H., and A. T. Corey. 1964. Hydraulic properties of porous media. Hydrology Papers, Colorado State University, Ft. Collins, CO. 3: 1-27.

Brust, K. J., C. H. M. van Bavel, and G. B. Stirk. 1968. Hydraulic properties of a clay loam soil and the field measurement of water uptake by roots: III. Comparison of field and laboratory data on retention and of measured and calculated conductivities. Soil Sci. Soc. Amer. Proc. 32: 322-326.

Cataldo, D. A., M. Haroon, L. E. Schrader, and V. L. Youngs. 1975. Rapid colorimetric determination of nitrate in plant tissue by nitration of salicylic acid. Commun. Soil Sci. Plant Anal. 6:71-80.

Doerge, T. A., C. Farr, and J. Watson. 1986. Survey of residual soil nitrate-nitrogen in three cotton-growing areas of Maricopa County, Arizona. Bull. 8657 Cooperative Extension Service, University of Arizona, Tucson, AZ.

Erie, L. J., O. F. French, D. A. Bucks, and K. Harris. 1982. Consumptive use of water by major crops in the southwestern United States. Conservation Res. Rept. No. 29, U. S. Dept. of Agric., Agric. Res. Ser., Wash. DC. 40 pp.

Gardner, W. R., and M. S. Mayhugh. 1958. Solutions and tests of the diffusion equation for the movement of water in soil. Soil Sci. Soc. Amer. Proc. 22: 197-201.

Fink, D. H., and R. D. Jackson. 1973. An equation for describing water vapor adsorption isotherms of soils. Soil Sci. 116: 256-261.

IBSNAT, the International Benchmark Sites Network for Agrotechnology Transfer. 1986. IBSNAT Technical Report 5, Decision Support System for Agrotechnology Transfer (DSSAT), Documentation for IBSNAT Crop Model Input and Output Files, Version 1.0. Department of Agronomy and Soil Science, University of Hawaii, Honolulu, HA. 53 pp.

IBSNAT, the International Benchmark Sites Network for Agrotechnology
     Transfer. 1988. IBSNAT Technical Report 1, Experimental Design and
     Data Collection Procedures for IBSNAT, Third Edition, Department
     of Agronomy and Soil Science, University of Hawaii, Honolulu, HA.
     73 pp.

Idso, S. B., R. D. Jackson, R. J. Reginato, B. A. Kimball, and F. S.
     Nakayama. 1975. the dependence of bare soil albedo on soil water
     content. J. Appl. Meteorol. 14: 109-113.

Jackson, R. D. 1972. On the calculation of hydraulic conductivity. Soil
     Sci. Soc. Amer. Proc. 36:380-382.

Jackson, R. D. 1973. Diurnal changes in soil water content during
     drying. In R. R. Bruce et al. (ed.), Field soil water regime.
     Special Pub. 5, Soil Sci. Soc. Amer., Madison, WI. 37-55.

Jackson, R. D., R. J. Reginato, B. A. Kimball, and F. S. Nakayama. 1974.
     Diurnal soil water evaporation: Comparison of measured and
     calculated soil-water fluxes. Soil Sci. Soc. Amer. Proc. 38:861-
     866.

Jones, C. A., and J. R. Kiniry (eds.). 1986. CERES-Maize: A simulation
     model of maize growth and development. Texas A & M University
     Press, College Station, TX. 194 pp.

Keeney, D. R., and D. W. Nelson. 1982. Nitrogen - inorganic forms. In A.
     L. Page et al. (eds.), Methods of soil analysis, Part 2, Chemical
     and microbiological properties, Amer. Soc. Agronomy and Soil Sci.
     Soc. Amer., Madison, WI. 595-624.

Kimball, B. A., S. T. Mitchell, and G. Brooks. 1981. Annual Report, U.
     S. Water Conservation Laboratory, Phoenix, AZ.

Kimball, B. A., and R. D. Jackson. 1971. Seasonal effects on soil drying
     after irrigation. Hydrology and Water Resources in Arizona and the
     Southwest, Vol. I, Univ. of Arizona Press, Tucson, AZ. 85-98.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, P. J. Pinter,
     Jr., K. L. Clawson, R. J. Reginato, and S. B. Idso. 1983.
     Effects of Increasing Atmospheric CO_2 on the Yield and Water Use
     of Crops. No. 021, U. S. Dept. of Energy Series, Response of
     Vegetation to Carbon Dioxide. Agricultural Research Service, U.
     S. Dept. of Agriculture, Washington, DC. 37 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, P. J. Pinter,
     Jr., K. L. Clawson, S. B. Idso, G. D. Butler, Jr., and J. W.
     Radin. 1984. Effects of Increasing Atmospheric CO_2 on the Yield
     and Water Use of Crops. ; No. 023, Response of Vegetation to
     Carbon Dioxide, U. S. Dept. of Energy, Carbon Dioxide Research
     Division, and the U. S. Dept. of Agriculture, Agricultural
     Research Service, Washington, DC. 60 pp.

Kimball, B. A., J. R. Mauney, G. Guinn, F. S. Nakayama, S. B. Idso, J. W. Radin, D. L. Hendrix, G. D. Butler, Jr., T. I. Zarembinski, and P. E. Nixon, III. 1985. Effects of Increasing Atmospheric CO_2 on the Yield and Water Use of Crops. No. 027, Response of Vegetation to Carbon Dioxide, U. S. Dept. of Energy, Carbon Dioxide Research Division, and the U. S. Dept. of Agriculture, Agricultural Research Service, Washington, DC. 75 pp.

Kimball, B. A., J. R. Mauney, J. W. Radin, F. S. Nakayama, S. B. Idso, D. L. Hendrix, D. H. Akey, S. G. Allen, M. G. Anderson, and W. Hartung. 1986. Effects of Increasing Atmospheric CO_2 on the Growth, Water Relations, and Physiology of Plants Grown under Optimal and Limiting Levels of Water and Nitrogen. No. 039, Response of Vegetation to Carbon Dioxide, U. S. Dept. of Energy, Carbon Dioxide Research Division, and the U. S. Dept. of Agriculture, Agricultural Research Service, Washington, DC. 125 pp.

Kimball, B. A., J. R. Mauney, D. H. Akey, D. L. Hendrix, S. G. Allen, S. B. Idso, J. W. Radin, and E. A. Lakatos. 1987. Effects of Increasing Atmospheric CO_2 on the Growth, Water Relations, and Physiology of Plants Grown under Optimal and Limiting Levels of Water and Nitrogen. No. 049, Response of Vegetation to Carbon Dioxide, U. S. Dept. of Energy, Carbon Dioxide Research Division, and the U. S. Dept. of Agriculture, Agricultural Research Service, Washington, DC. 124 pp.

Mualem, Y. 1976. A new model for predicting the hydraulic conductivity of unsaturated porous media. Water Resources Res. 12: 513-522.

Nakayama, F. S. 1965. Dispersion and flocculation of soil and clay minerals as related to the Na and Ca status of the ambient solution. 1965 Annual Report, U. S. Water Conservation Laboratory, Phoenix, AZ. 40-1 to 40-9.

Nielsen, D. R., R. D. Jackson, J. W. Cary, D. D. Evans et al. 1972. Soil water. Amer. Soc. of Agronomy and Soil Sci. Soc. Amer., Madison, WI.

Ritchie, J. T. 1972. Model for predicting evaporation from a row crop with incomplete cover. Water Resources Research 8: 1204-1213.

Ritchie, J. T. 1985. A user-orientated model of the soil water balance. In W. Day and R. K. Arkin (eds.), Wheat growth and modeling, Plenum Publishing Corp. 293-305.

Ritchie, J. T., and S. Otter. 1985. Description and performance of CERES-Wheat: A user-oriented wheat yield model. USDA-ARS. ARS-38. 159-175.

Ritchie, J. T., J. R. Kiniry, C. A. Jones, and P. T. Dyke. 1986. Model inputs. In C. A. Jones and J. R. Kiniry, CERES-Maize: A simulation

model of maize growth and development, Texas A&M University Press, College Station, TX. 37-48.

Rosenberg, N. J., B. L. Blad, and S. B. Verma. 1983. Microclimate: The biological environment. John Wiley and Sons, New York. 495 pp.

Schmidli, R. J. 1986. Climate of Phoenix, Arizona. NOAA Technical Memorandum NWS WR-177, National Weather Service, National Oceanic and Atmospheric Administration, U. S. Dept. of Commerce, Salt Lake City, UT. 126 pp.

Soil Improvement Committee, California Fertilizer Association. 1985. Western fertilizer handbook. Interstate Printers and Publishers, Inc., Danville, IL.

Schnell, S. M. 1983. Field psychrometer construction and evaluation. U. S. Water Conservation Laboratory, Phoenix, AZ. 10 pp.

Thompson, L. M. 1957. Soils and soil fertility. McGraw-Hill Book Co., Inc., New York, NY.

Van Bavel, C. H. M., G. B. Stirk, and K. J. Brust. 1968a. Hydraulic properties of a clay loam soil and the field measurement of water uptake by roots: I. Interpretation of water content and pressure profiles. Soil Sci. Soc. Amer. Proc. 32: 310-317.

Van Bavel, C. H. M., K. J. Brust, and G. B. Stirk. 1968b. Hydraulic properties of a clay loam soil and the field measurement of water uptake by roots: II. The water balance of the root zone. Soil Sci. Soc. Amer. Proc. 32: 317-321.

Van Genuchten, M. Th. 1980. A closed-form equation for predicting the hydraulic conductivity of unsaturated soils. Soil Sci. Soc. Amer. J. 44: 892-898.

Van Genuchten, M. Th., and D. R. Nielsen. 1985. On describing and predicting the hydraulic properties of unsaturated soils. Annales Geophysicae 3: 615-628.

Van Genuchten, M. Th., F. J. Leij, and S. R. Yates. 1992. The RETC code for quantifying the hydraulic functions of unsaturated soils. EPA Report ____, Robert S. Kerr Environmental Res. Lab., U. S. Environmental Protection Agency, Ada, OK. (In press).

Whisler, F. D. 1976. Calculating the unsaturated hydraulic conductivity and diffusivity. Soil Sci. Soc. Amer. J. 40: 150-151.

Whisler, F. D. 1982. Soil data preparation for crop growth models. Agronomic Series No. 1, Mississippi State University, Mississippi State, MS. 9 pp.

Wilkerson, G. G., J. W. Jones, K. J. Boote, K. T. Ingram, and J. W. Mishoe. 1983. Modeling soybean growth for management. Trans. of the ASAE 26:63-73.

Wosten, J. H. M., and M. Th. van Genuchten. 1988. Using texture and other soil properties to predict unsaturated hydraulic functions. Soil Sci. Soc. Am. J. 52: 1762-1770.

GLOSSARY

ALPHA(L)   - parameter in the van Genuchten soil water retention curve (van Genuchten, 1980; van Genuchten and Nielsen, 1985; van Genuchten et al., 1992) (m^{-1}).

AFERT   - amount of nitrogen fertilizer added on JFDAY(J) (kg N/ha) (same as FERTN).

AIRDR   - volumetric water content of air dry soil in soil layer L (m^3/m^3).

AMP   - annual amplitude (maximum minus minimum) in mean monthly temperature (°C).

AMTIRR   - amount of irrigation added on JDIRR(J) (mm).

A00   - character representation of day of year.

BD(L)   - moist bulk density of the soil in soil layer L (Mg/m^3).

BDRATO   - ratio of initial to final volumetric water content of the bottom soil layer.

BDSLOP   - rate of change of water content in bottom soil layer after day of first bloom ((m^3/m^3)/day).

BEGDATE   - beginning date in weather file (8 characters).

BETA(L)   - slope of graph of log (hydraulic diffusivity) vs. volumetric water content for soil layer L (Gardner and Mayhugh 1958).

CATEXC(L)   - cation exchange capacity in soil layer L, (meq/kg).

CLAY(L)   - percentage of clay in soil layer L (%).

CN2   - SCS curve number used to calculate daily runoff.

COND   - soil hydraulic conductivity (m/s).

CO2   - mean daily carbon dioxide concentration (μmol/mol).

CO2DAT   - switch to indicate if daily carbon dioxide concentration data are available (Yes=1,No=0).

CO2YR   - mean seasonal CO_2 concentration (μmol/mol).

CTEXPyy.DIR - file name of directory of cotton experiments where yy is year.

DATAID   - soil classification.

DEWDAT   - switch to indicate if dew point temperature data are
                available (Yes=1,No=0).

DEWPT   - dew point temperature (°C).

DFERT   - depth of incorporation of fertilizer application (cm).

DIFF   - soil water diffusivity (m^2/s).

DIFFO   - diffusivity of soil layer L at a low reference water
                content for Gardner and Mayhugh (1958) equation
                (m^2/s).

DIFRN   - path to Experiment Directory File

DLAYR(L)   - thickness of soil layer L (cm).

DMOD   - zero-to-unity factor which reduces the rate constant for
                mineralization of humus pool of soil for which organic
                matter is chemically or physically protected (default
                =1).

DNH4(L)   - default soil ammonium in soil layer L (mg of N/kg of
                soil).

DNO3(L)   - default soil nitrate in soil layer L (mg of N/kg of soil).

DPH(L)   - default pH of soil layer L.

DSOIL   - irrigation management depth (cm).

DSW(L)   - default water content of soil layer L (m^3/m^3).

DUL(L)   - drained upper limit soil water content for soil layer L
                (m^3/m^3).

EFFIRR   - irrigation system efficiency (fraction).

ENDDATE   - ending date in weather file (8 characters).

ETA(L)   - soil characteristic parameter (Brooks & Corey, 1964)
                relating volumetric water content to soil water
                potential (matric) for soil in layer L.

EXPDES   - experiment description (40 characters).

EXPID   - experiment identifier (8 characters) with in institute
                code, site code, year of the experiment, and
                experiment number.

EXPTNO   - experiment number.

FC(L)   - "field capacity" defined as the volumetric water content
                  at a soil water potential (matric) of -33 kPa or other
                  appropriate value, as specified in PSISFC (m^3/m^3).

FERCOD   - code for placement of fertilizer application, as defined
                  by IBSNAT (1988) where:
                  01 - broadcast, not incorporated
                  02 - broadcast, incorporated
                  03 - banded on surface
                  04 - banded beneath surface
                  05 - applied in irrigation water
                  06 - foliar spray
                  07 - bottom of hole
                  08 - on the seed
                  99 - other

FERTIN   - effective amount of inoculants and amendments (kg/ha).

FERTK   - effective amount of potassium in fertilizer added (kg/ha).

FERTN   - effective amount of nitrogen in fertilizer added (kg/ha).

FERTP   - effective amount of phosphorus in fertilizer added
                  (kg/ha).

FILE1 to   - names of the data files as defined in the 'File Structures
FILE9   and Data Formats' section.
FILEA
FILEB

GBD(L)   - bulk density of soil layer L (g/cm^3).

GH2OC( )   - gravimetric water content of a particular bulk
                  density-root impedance curve (kg/kg).

GLAYR(L)   - thickness of soil layer L (cm).

GRAV   - acceleration of gravity (m/s^2).

H   - soil water pressure head (m).

HISTRY   - brief description of previous cropping history for site.

ID   - is a combination of codes for institute, site, year (last
                  two digits), and experiment number.

IDUMSL   - number assigned to a soil type.

IFTYPE   - code number for the type of fertilizer added on JDFERT, as
                  defined by IBSNAT (1988).

A-63

IITYPE   - code number for the type of inoculants and amendments
                added on JDFERT, as defined by IBSNAT (1988).

IIRR   - switch describing irrigation (default = 1).
                1: no irrigation
                2: irrigation applied using field schedule
                3: automatically irrigated at threshold soil water
                4: assume no water stress, water balance not used

IKTYPE   - code number for the type of potassium fertilizer, as
                defined by IBSNAT (1988).

IMERGE   - emergence date, Julian day of the year.

INRIM( )   - number of pairs of bulk density / root impedance values
                defining a curve at a particular water content.

INSTE   - code for institute ID in files FILE6, FILE7, FILE8, FILEA,
                FILEB, and weather files.

INSTS   - code for institute ID in soil files FILE4 and FILE5.

INSTW   - code for institute ID in weather files FILE1.

INTYPE   - code number for the type of nitrogen fertilizer, as
                defined by IBSNAT (1988), where:
                05 - urea
                08 - calcium nitrate
                10 - urea ammonium nitrate solution.

IPTYPE   - code number for the type of potassium fertilizer, as
                defined by IBSNAT (1988).

IRRCOD   - type of irrigation system, as defined by IBSNAT (1988)
                where:
                01 - furrow
                02 - alternating furrows
                03 - flood
                04 - sprinkler
                05 - drip or trickle
                99 - other

ISIM   - Julian day of year simulation begins.

ISOILT   - soil number for this treatment.

ISOW   - sowing date, Julian day of the year.

ISWDIS   - switch to indicate if disease data are available
                (Yes=1,No=0).

ISWEED   - switch to indicate if weed data are available
               (Yes=1,No=0).

ISWINS   - switch to indicate if insect data are available
               (Yes=1,No=0).

ISWNEM   - switch to indicate if nematode data are available
               (Yes=1,No=0).

ISWNIT   - switch to indicate if nitrogen routines are used
               (default=0)
                 0: nitrogen subroutines are not used, assumes adequate
                    nitrogen.
                 1: nitrogen subroutines are used.

IVARTY   - cultivar number for this treatment.

IYR   - year for which weather data is being read.

J   - soil water flux (m^3 of water m^{-2} s^{-1}).

JDFERT   - Julian day of the year of fertilizer application
               (same as JFDAY).

JDIRR   - Julian day of the year of irrigation event J.

JDOY   - Julian day of year.

JEMRGD   - day of emergence, which is the day of year that 50% of the
               plants emerge from the soil (day of year).

JFDAY   - Julian day of the year of fertilizer application.

JFLRJD   - day of first flower, which is the day of year that 50% of
               the plants display their first flower (day of year).

JNABSM   - measured number of abscised sites per m^2.

JNFLWM   - measured number of flowers per m^2.

JNGBLM   - measured number of green bolls per m^2.

JNMBLM   - measured number of mature bolls per m^2.

JNNODM   - measured number of nodes per m^2.

JNSQRM   - measured number of squares per m^2.

JSQRJD   - day of first square, which is the day of year that 50% of
               the plants display their first square (day of year.)

JUL   - Julian date of weather record in data file.

A-65

L	- soil layer index.
LISTID	- Subroutine called by main program of RETRVE to identify which files are to be retrieved (read) and sets the path to these files.
LL(L)	- lower limit of plant-extractable soil water for soil layer L, (m^3/m^3).
LYRSOL	- number of soil layers.
NCURVE	- number of bulk density / root impedance curves, one for each water content.
NLAYR	- number of soil layers.
NH4(L)	- soil ammonium in soil layer L (mg N/kg soil).
NOVAR	- number of "state" variables for which there are intermediate growth data in FILEB.
NO3(L)	- soil nitrate in soil layer L (mg N/kg soil).
NPATH	- number of characters in path given by PTODAT.
NV( )	- array of pointers to indicate which "state" variables for which there are data in FILEB.
OC(L)	- organic carbon concentration in soil layer L (%).
OUT1 to OUT4	- output file names.
PARDAT	- switch to indicate if PAR data are available (Yes=1,No=0).
PARFAC	- factor to convert MJ/m^2 to mol/m^2 (2.30 if unknown).
PATHINP.INC	- four line file of pathnames for input to Program RETRVE.
PEDON	- SCS pedon number.
PH(L)	- pH of soil in soil layer L in a 1:1 soil water slurry.
PHFAC3	- variable to reduce apparent photosynthesis attributed to soil fertility (for grain legume models, default = 1.00).
PHOSPH	- soil phosphorus in soil layer L (mg P/kg soil).
PLANTS	- plant population (plants/m^2)

POTASS   - soil phosphorus in soil layer L (mg K/kg soil).

PROCK   - procedure used to determine soil K.

PROCN   - procedure used to determine soil N.

PROCP   - procedure used to determine soil P.

PSI   - soil water potential expressed as pressure head (m).

PSIBUB(L)   - soil water potential (matric) near saturation taken to be
                bubbling pressure at which air starts to enter the
                soil as it dries (kPa, positive number).

PSISFC   - soil water potential (matric) used to define field
                capacity (kPa, positive number).

PSIR   - reference low (dry) soil water potential (matric) in
                Marani equation corresponding to THETAR (kPa).

PTODAT   - path to directory containing the data files.

READDA   - Subroutine in Program RETRVE that reads data files.

RETRVE.FOR   - FORTRAN program to read data files.

RETRVE.OUT   - output file from Program RETRVE which is an echo of the
                data files read by RETRVE.

RHOS   - density of solid soil particles (Mg/m^3).

RHOW   - density of water (Mg/m^3).

ROCK(L)   - coarse rock fragments in soil layer L (%).

ROOT   - dry weight of root residue of previous crop (kg/ha,
                default=500).

ROWSPC   - row spacing (m).

RSAT   - relative saturation as defined by Eq. 14.

RWUMX   - maximum daily root water uptake per unit root length
                $(cm^3/cm$ root-day, default = 0.03).

SALB   - bare soil albedo.

SAND(L)   - sand in soil layer L (%).

SAT(L)   - saturated water content for soil layer L (m^3/m^3).

SCN — C:N ratio of surface residue of previous crop (kg C/kg N, default = 75.).

SCOND(L) — saturated hydraulic conductivity (m/s, or μm/s in the data files).

SDEP — depth of surface residue incorporation (cm).

SDEPTH — sowing depth L (cm).

SILT(L) — silt in soil layer L (%).

SITEE — code for site ID in files FILE6, FILE7, FILE8, FILEA, and FILEB.

SITES — code for site ID in soil files FILE4 and FILE5.

SNAME — description of soil for root impedance data.

SOLRAD — daily total solar radiation (MJ/m^2).

STATW — code for weather station ID (2 characters).

STDAT — switch to indicate if soil temperature data are available (Yes=1,No=0).

STMAX — daily value of maximum temperature at 10 cm depth in bare soil (°C).

STMIN — daily value of minimum temperature at 10 cm depth in bare soil (°C).

STRAW — weight of organic residue of previous crop and/or added green manure (kg/ha).

SW(L) — soil water content for soil layer L (m^3/m^3).

SWCON — soil water drainage constant, (fraction drained/day).

SWCON1 — coefficient in the steady-state solution of the radial-flow root uptake equation $(cm^3/cm$ root-day, default=0.00267).

SWCON2 — coefficient in the steady-state solution of the radial-flow root uptake equation $(cm^3/cm$ root-day, default=58.0).

SWCON3 — coefficient in the steady-state solution of the radial-flow root uptake equation $(cm^3/cm$ root-day, default=6.68).

TAV — annual average ambient air temperature (°C).

TAXON   - soil classification.

TD   - number of days after first bloom that water content of the
                 bottom soil layer begins to change (days).

THETA   - volumetric soil water content (m^3/m^3).

THETAC   - percent available water which triggers irrigation (%).

THETAI   - initial water content of bottom layer in soil profile for
                 some sites and data sets where this is known (m^3/m^3).

THETAR(L)   - "residual" soil water content of Brooks and Corey (1964)
                 or "reference" soil water content near the wilting
                 point for the Marani equation, taken as THETAO
                 slightly reduced (typically by 0.001) (m^3/m^3).

THETAS(L)   - volumetric water content of soil in layer L at
                 "saturation". Assumed to be the same as the water
                 content at which air starts to enter the soil as it
                 dries (i.e., at the bubbling pressure) (m^3/m^3).

THETAO(L)   - reference volumetric water content of soil in layer L for
                 Gardner and Mayhugh (1958) equation, generally at a
                 low (wilting point) soil water potential of -1500 kPa
                 (m^3/m^3).

TITLET   - title of treatment.

TSTBD(,)   - bulk density at a point on bulk density / root impedance
                 curve (Mg/m^3).

TRTNO   - treatment number.

TSTIMP(,)   - root impedance at a point on the bulk density / root
                 impedance curve (kg/cm^2).

U   - upper limit of stage 1 soil evaporation (mm).

VALFAB   - subroutine in Program RETRVE for reading validation data
                 from FILEA and FILEB.

VGTHR(L)   - "residual" soil water content fitted to the extrapolated
                 dry end of the retention curve for the van Genuchten
                 equation. (van Genuchten, 1980; van Genuchten and
                 Nielsen, 1985; van Genuchten et al., 1992) (m^3/m^3).

VGTHS(L)   - "saturated" soil water content fitted to the extrapolated
                 wet end of the retention curve for the van Genuchten
                 equation. (van Genuchten, 1980; van Genuchten and
                 Nielsen, 1985; van Genuchten et al., 1992) (m^3/m^3).

WIND   - daily total wind run (km).

WINDYR   - long-term average daily total wind run for the
                  experimental site (km).

WNDDAT   - switch to indicate if daily wind data are available
                  (Yes=1, No=0).

WR(L)   - weighting factor for soil depth L to determine new root
                  growth distribution.

WTHES   - weather station description (40 characters).

WTHID   - weather station identifier (4 characters).

WTHyy.DIR   - file name of directory of weather files where yy is year.

XAPTNP   - measured nitrogen content of stems plus burrs plus lint
                  at maturity (kg/ha).

XBIOM   - field-measured above-ground biomass at maturity (kg/ha).

XBLSM   - field-measured mature boll number (bolls/m^2).

XLAI   - measured leaf area index (m^2/m^2).

XLAIMX   - maximum leaf area index during season (m^2/m^2).

XLAT   - latitude of station (degrees).

XLONG   - longitude of station (degrees).

XLTYLD   - final dry lint yield attainable by hand harvesting
                  (kg/ha).

XM(L)   - parameter in the van Genuchten soil water retention curve.
                  (van Genuchten, 1980; van Genuchten and Nielsen, 1985;
                  van Genuchten et al., 1992)

XN(L)   - parameter in the van Genuchten soil water retention curve.
                  (van Genuchten, 1980; van Genuchten and Nielsen, 1985;
                  van Genuchten et al., 1992)

XPAR   - daily total PAR (mol/m^2).

XPLTHT   - measured plant height (cm).

XRAIN   - daily total precipitation (mm/day).

XSDN   - measured nitrogen content of seed at maturity (kg/ha).

XSDTN   - measured nitrogen concentration in seed at maturity (%).

XSDWT - measured seed dry weight (g/seed).

XSDYLD - final dry seed yield (kg/ha).

XSPB - measured number of seeds per boll (seeds/boll).

XSTBR - field-measured stem plus burr weight at maturity (kg/ha).

XTMAX - daily value of maximum air temperature (°C).

XTMIN - daily value of minimum air temperature (°C).

XTOTNP - measured total crop nitrogen content at maturity (kg/ha).

XWBURR - measured dry weight of burrs (kg/ha).

XWGBLH - measured dry weight of green bolls (kg/ha).

XWLEFH - measured dry weight of leaves (kg/ha).

XWLINT - measured dry weight of lint (kg/ha).

XWMBLH - measured dry weight of mature bolls (kg/ha).

XWROTH - measured dry weight of roots (kg/ha).

XWSEED - measured dry weight of seed (kg/ha).

XWSTMH - measured dry weight of stems (kg/ha).

X1FERT - distance from plant row to closest edge of fertilizer application area (cm).

X1IRR - distance from plant row to closest edge of water application area (cm).

X2FERT - distance from plant row to furthest edge of fertilizer application area (cm).

X2IRR - distance from plant row to furthest edge of water application area (cm).

YEAR - year, last 2 digits

Z - depth or length variable (m).

Z1FERT - topmost depth in soil where fertilizer is applied (cm).

Z1IRR - topmost depth in soil where water is applied (cm). For flood, sprinkler, or furrow irrigation, the appropriate entry would be zero.

Z2FERT   - lowest depth in soil where fertilizer is applied (cm).

Z2IRR   - lowest depth in soil where water is applied (cm).

FILE STRUCTURES AND DATA FORMATS

Modifications to IBSNAT Standard

In 1986 a group of plant growth modelers collaborated in an effort to standardize crop model input and output file structures. Operating under the auspices of the International Benchmark Sites of Agrotechnology Transfer (IBSNAT) Project, they published IBSNAT Technical Report 5, Decision Support System for Agrotechnology Transfer (DSSAT), Documentation for IBSNAT Crop Model Input and Output Files, Version 1.0. Such standardization should facilitate cooperation and exchange of data among different groups of workers and thus aid plant model development because adhering to the standard will minimize the need to continually reformat.

As is the case with all attempts to standardize, however, the individuals doing the standardizing were working from within the confines of their collective experience, and they could not foretell future needs. In this case, the IBSNAT standard 1.0 was authored primarily by individuals involved with the development of the CERES-Maize (Jones and Kiniry, 1986), CERES-Wheat (Ritchie and Otter, 1985), and SOYGRO (Wilkerson et al., 1985), which for example do not use humidity information nor do they consider CO_2 concentration to be a weather or climate variable. They also use different parameters to characterize soil hydraulic properties than do the GOSSYM (Baker et al., 1983) and GLYCIM (Acock et al., 1982) family of models. Another important (to us) aspect not addressed by IBSNAT (1986) is that cotton was not one of the original crops. Hence, it was necessary to establish our own formats for the plant growth and yield data, but following IBSNAT as much as possible.

To overcome some of these particular limitations and achieve a more general standard, Acock (B. Acock, personal communication, 1988) prepared tentative modifications to the IBSNAT 1.0 standard. The dialogue is continuing, and therefore any format used in this report is destined for early obsolescence. However, in order that these data be useful for validating models for as many users as possible, the

parameters required to meet the IBSNAT (1986) standard are presented as closely as possible. Then the IBSNAT parameters are followed by those proposed by Acock or by ourselves and then by any additional required by GOSSYM. The variable definitions and the formats used are listed in the following Format Tables. Those we have proposed and followed for cotton are listed in the FILEA and FILEB Tables.

CTEXPyy.DIR: Directory of Experiment Files

Variable Name	FORTRAN Format	Description

Format for line 1

EXPID	A8	Experiment identifier.
EXPDES	1X,A40	Experiment description.
FILE1	1X,A12	Daily weather data file name.
FILE2	1X,A12	Soil profile file name.

Format for line 2

FILE4	A12	Soil organic residue file name.
FILE5	1X,A12	Soil profile initial conditions file name.
FILE6	1X,A12	Irrigation management file name.
FILE7	1X,A12	Fertilizer management file name.
FILE8	1X,A12	Treatment management file name.
FILE9	1X,A12	Genetic coefficients file name.

Format for line 3

FILEA	A12	Measured crop harvest summary file name.
FILEB	1X,A12	Measured intermediate growth data file name.
OUT1	1X,A7	File name for output file 1.
OUT2	1X,A7	File name for output file 2.
OUT3	1X,A7	File name for output file 3.
OUT4	1X,A7	File name for output file 4.

Repeat in blocks of 3 lines for additional experiments. For the cotton experiments presented in this manuscript, each plot was considered a separate experiment each year, and therefore each block of three lines in the CTEXPyy.DIR files contains the file names of the data files appropriate for that plot.

WTHyy.DIR: Directory of Weather Files

Variable Name	FORTRAN Format	Description

Format for all lines

WTHID	A4	Weather station ID.
WTHDES	1X,A40	Weather station description.
BEGDATE	A8	Beginning date in weather file.
ENDDATE	1X,A8	Ending date in weather file.
FILE1	1X,A12	Weather file name.

FILE1: Daily Weather File

Variable Name	FORTRAN Format	Description

Format for line 1

Variable Name	FORTRAN Format	Description
INSTW	A2	Code for institute ID.
STATW	A2	Code for weather station ID.
XLAT	1X,F6.2	Latitude of station (degrees).
XLONG	1X,F6.2	Longitude of station (degrees).
PARFAC	1X,F5.2	Factor to convert total daily solar radiation in MJ/m^2 to PAR in mol/m^2.
PARDAT	1X,I1	PAR data available (Yes=1, No=0).
WNDDAT	1X,I1	Wind data available (Yes=1, No=0).
DEWDAT	1X,I1	Dewpoint temperature data available (Yes=1, No=0).
STDAT	1X,I1	Soil Temperature data available (Yes=1, No=0).
CO2DAT	1X,I1	Daily average carbon dioxide concentration data available (Yes=1, No=0).
CO2YR	1X,F4.0	Mean seasonal carbon dioxide concentration ($\mu mol/mol$, use 345 if unknown, must be present if CO2DAT=0).
WINDYR	1X,F5.1	Average daily wind run for the site (km, must be present if WNDDAT=0).

Format for all other lines

Variable Name	FORTRAN Format	Description
INSTW	A2	Code for institute ID.
STATW	A2	Code for weather station ID.
IYR	1X,I2	Year of weather record.
JUL	1X,I3	Julian date (day of year).
SOLRAD	1X,F5.2	Daily total solar radiation (MJ/m^2).
XTMAX	1X,F5.1	Daily maximum air temperature ($^\circ C$).
XTMIN	1X,F5.1	Daily minimum air temperature ($^\circ C$).
XRAIN	1X,F5.1	Daily total precipitation (mm).
XPAR	1X,F6.2	Daily total PAR (mol/m^2).
WIND	1X,F5.1	Daily total wind run (km).
DEWPT	1X,F5.1	Daily average dew point temperature ($^\circ C$).
STMAX	1X,F5.1	Daily maximum soil temperature at the 10 cm depth ($^\circ C$).
STMIN	1X,F5.1	Daily minimum soil temperature at the 10 cm depth ($^\circ C$).
CO2	1X,F4.0	Daily carbon dioxide concentration ($\mu mol/mol$).
A00	1X,A7	Optional date (day-3 character month)

FILE2: Soil Profile Properties

Variable Name	FORTRAN Format	Description
Format for line 1		
IDUMSL	1X,I2	Number assigned to a soil type.
PEDON	1X,A12	SCS pedon number.
TAXON	1X,A60	Soil classification.
Format for line 2		
SALB	F6.2	Bare soil albedo.
U	1X,F5.2	Upper limit of stage 1 soil evaporation (mm).
SWCON	1X,F6.2	Soil water drainage constant, fraction drained per day.
CN2	1X,F6.2	SCS curve number used to calculate daily runoff.
TAV	1X,F5.1	Annual average ambient temperature (°C).
AMP	1X,F5.1	Maximum minus minimum mean monthly temperature (°C).
DMOD	1X,F3.1	Zero-to-unity factor which reduces the rate constant for mineralization of the humus pool for soils which are poor mineralizers due to chemical or physical protection of the organic matter (default=1).
SWCON1	1X,E9.2	Coefficient in the radial flow root uptake equation (cm^3/cm root-day, default = 0.267E-02).
SWCON2	1X,F6.1	Coefficient in the radial flow root uptake equation (cm^3/cm root-day, default = 58.0).
SWCON3	1X,F5.2	Coefficient in the radial flow root uptake equation (cm^3/cm root-day, default = 6.68).
RWUMX	1X,F5.2	Maximum daily root water uptake per unit root length (cm^3/cm root-day, default = 0.03).
PHFAC3	1X,F4.2	Variable to reduce apparent photosynthesis attributed to soil fertility (default = 1.00).

Format for line 3 through NLAYR+2

DLAYR(L)	F6.0	Thickness of soil layer L, cm.
LL(L)	1X,F6.3	Lower limit of plant-extractable soil water for soil layer L (m^3/m^3).
DUL(L)	1X,F6.3	Drained upper limit soil water content for soil layer L (m^3/m^3).
SAT(L)	1X,F6.3	Saturated water content for soil layer L (m^3/m^3).
DSW(L)	1X,F6.3	Default soil water content for soil layer L (m^3/m^3).
WR(L)	1X,F6.3	Weighting factor for soil depth L to determine new root growth distribution.
BD(L)	1X,F5.2	Moist bulk density of soil layer L (g/cm^3).
OC(L)	1X,F5.2	Organic carbon concentration in soil layer L (g/cm^3).
DNH4(L)	1X,F4.1	Default soil ammonium in soil layer L (mg elemental N/kg soil).
DNO3(L)	1X,F4.1	Default soil nitrate in soil layer L (mg elemental N/kg soil).
DPH(L)	1X,F4.1	Default pH of soil layer L in a 1:1 soil:water slurry.

Format for line NLAYR + 3

Enter a -1 to signal end-of-data for this block of soil profile data.

Format for lines NLAYR+4 through 2*NLAYR+4

ROCK(L)	1X,F4.1	Coarse rock fragments in soil layer L (%).
SAND(L)	1X,F4.1	Sand in soil layer L (%).
SILT(L)	1X,F4.1	Silt in soil layer L (%).
CLAY(L)	1X,F4.1	Clay in soil layer L (%).
SCOND(L)	1X,F4.1	Saturated hydraulic conductivity in soil layer L ($\mu m/s$).
CATEXC(L)	1X,F5.1	Cation exchange capacity in soil layer L (meq/kg).
ALPHA(L)	1X,F6.3	Empirical parameter for the van Genuchten soil water retention curve (m^{-1}).
XN(L)	1X,F6.3	Empirical parameter for the van Genuchten soil water retention curve.

VGTHS	1X,F6.3	"Saturated" water content from fitting van Genuchten soil water retention curve (m^3/m^3).
VGTHR	1X,F6.3	"Residual" water content from fitting van Genuchten soil water retention curve (m^3/m^3).

Format for line 2*NLAYR+5

DATAID	20A4	Soil description

Format for line 2*NLAYR+6

LYRSOL	*	Number of soil layers (GOSSYM model)

Format for lines 2*NLAYR+7 through 2*NLAYR+7+LYRSOL

DIFF0(L)	*	Diffusivity of soil layer L at low reference water content for Gardner and Mayhugh equation (m^2/s).
THETA0(L)	*	Reference water content for Gardner and Mayhugh equation. Usually at wilting point or -1.5 MPa (m^3/m^3).
BETA(L)	*	Soil characteristic parameter of layer L for Gardner and Mayhugh equation.
GLAYR(L)	*	Thickness of layer L (cm).
THETAS(L)	*	Saturation water content of layer L. Assumed to be same as water content at the bubbling pressure. (m^3/m^3).
FC(L)	*	Water content at "field capacity" of 33 kPa or other potential specified by PSISFC. (m^3/m^3).
THETAR(L)	*	"Residual" water content for Brooks and Corey equation, generally is THETA0(L) slightly reduced, typically by 0.001 (m^3/m^3).
AIRDR(L)	*	Water content of air dry soil (m^3/m^3).
ETA(L)	*	Soil characteristic parameter of layer L for Brooks and Corey equation.
GBD(L)	*	Bulk density of layer L (g/cm^3).

PSIBUB(L)   *   Bubbling pressure or "saturation"
                                             soil water potential of layer
                                             L at which air starts to enter
                                             the soil as it dries (kPa,
                                             positive number).

*Format for line 2*NLAYR+7+LYRSOL+1*

Same as immediately above for recently cultivated soil, except the layer
thickness, GLAYR, is omitted.

*Format for line 2*NLAYR+7+LYRSOL+2*

Same as immediately above for soil in a wheel track, and again the layer
thickness is omitted.

*Format for line 2*NLAYR+7+LYRSOL+3*

TD   *   Number of days after first bloom
                                             that water content of bottom
                                             soil layer begins to change
                                             (days).
THETAI   *   Initial water content of bottom
                                             layer in soil profile (m^3/m^3).
BDSLOP   *   Rate of change of water content in
                                             bottom soil layer after day of
                                             first bloom $((m^3/m^3)/day)$.
BDRATO   *   Ratio of the initial to the final
                                             water water content of the
                                             bottom soil layer.
PSISFC   *   Soil water potential used to define
                                             field capacity (kPa, positive
                                             number).

*Format for line 2*NLAYR+7+LYRSOL+4*

SNAME   20A4   Description of soil for root
                                             impedance data.

*Format for line 2*NLAYR+7+LYRSOL+5*

NCURVE   *   Number of iso-water content curves
                                             of root impedance versus bulk
                                             density.
Format for next NCURVE sets of data

INRIM( )   *   Number of root impedance-bulk
                                             density pairs of points on
                                             curve.

GH2OC( )   *   Water content of a particular root
                                                       impedance-bulk density curve
                                                       (kg/kg).

            Format for next NRIM( ) pairs of data

TSTBD(,)   *   Bulk density at a point on the root
                                                       impedance-bulk density curve
                                                       (Mg/m^3).
TSTIMP(,)   *   Root impedance at point on the root
                                                       impedance-bulk density curve
                                                       (kg/cm^2).

FILE4: Soil Organic Residue Data

INSTS	A2	Code for institute ID.
SITES	A2	Code for site ID.
YEAR	A2	Year number, last 2 digits.
EXPTNO	I2	Experiment number.
TRTNO	1X,I2	Treatment number.
STRAW	1X,F5.0	Weight of organic residue of previous crop and/or added green manure (kg/ha).
SDEP	1X,F5.0	Depth of surface residue incorporation (cm).
SCN	1X,F5.0	C:N ratio of surface residue of previous crop (kg C/kg N, default = 75.).
ROOT	1X,F5.0	Dry weight of root residue of previous crop (kg/ha, default = 500.).

FILE5: Soil Profile Initial Conditions

Format for line 1

TRTNO	I2	Treatment number.
INSTS	1X,A2	Code for institute ID.
SITES	A2	Code for site ID.
YEAR	A2	Year number, last 2 digits.
EXPTNO	I2	Experiment number.

Format for all other lines

DLAYR(L) F6.0   Depth of layer L (cm, enter -1 to signal end-of-data).

SW(L)   1X,F6.3   Initial soil water content of soil layer L (m^3/m^3).

NH4(L)   1X,F4.1   Initial soil ammonium in layer L (mg elemental N/kg soil).

NO3(L)   1X,F4.1   Initial soil nitrate in layer L (mg elemental N/kg soil).

PH(L)   1X,F4.1   Initial pH of soil layer L in a 1:1 soil:water slurry.

FILE6: Irrigation Management File

Description. This file contains the information about irrigations
applied to the crop. The first line contains the usual identification
information. Then, each subsequent line contains date, irrigation
amount, method, and placement information. The water is assumed to be
applied as rectangular line source defined by the upper-left and lower-
right coordinates. Using the plant row for the origin, a flood
irrigation would be described by say 0,0 (X_1, Z_1) and 100,0 (X_2, Z_2) for a
100 cm row spacing. The coordinates for a drip irrigation tube installed
at a depth of 30 cm midway between the rows would be 50,30 and 50,30,
thus effectively defining a line source. The coordinates for a furrow
irrigation that floods approximately half the land surface (with the
crop row at the top of the ridge) would be 25,0 and 75,0.

A "-1" should be placed at the end in the day number column to indicate
end-of-data.

Variable Name	FORTRAN Format	Description

Format for line 1

TRTNO	1X,I2	Treatment number.
INSTE	A2	Code for institute ID.
SITEE	A2	Code for site ID.
YEAR	I2	Year number, last 2 digits.
EXPTNO	I2	Experiment number.

Format for line 2 and subsequent lines

JDIRR(J)	I3	Day of Year (Julian) of the Jth irrigation.
AMTIRR(J)	F5.0	Effective amount of irrigation added, (mm). This is expressed in terms of unit volume of water applied per unit of land area, i.e., $(m^3/m^2) * 1000$.
IRRCOD(J)	I2	Code for irrigation method as listed by IBSNAT (1988).
X1IRR(J)	F6.1	Distance from plant row to closest edge of water application area (cm).
Z1IRR(J)	F6.1	Topmost depth in soil where water is applied (cm). For flood, sprinkler, or furrow irrigation, the appropriate entry would be zero.
X2IRR(J)	F6.1	Distance from plant row to furthest edge of water application area (cm).
Z2IRR(J)	F6.1	Lowest depth in soil where water is applied (cm).

FILE7: Fertilizer Management File

Description. This is the file containing the information about fertilizer applications. The first line contains the usual identification information. Then, each subsequent line contains date, fertilizer amount, type, and placement information.

The amount and type-source code for N, P, and K fertilizers and other inoculants and amendments are all supplied. The type-source code is from IBSNAT Technical Report 1, 3rd ed. (1988).

The fertilizer is assumed to be applied in a rectangular band defined by the upper-left and lower-right coordinates. Using the plant row for the origin, a broadcast application would be described by say 0,0 (X_1, Z_1) and 100,0 (X_2, Z_2) for a 100 cm row spacing. If this broadcast fertilizer is incorporated into the top 10 cm of soil, then the coordinates would be 0,0 and 100,10. The coordinates for a band 10 cm from the row and 10 cm deep would be 10,10 and 10,10. The coordinates for a sidedress application on the soil surface extending 10 cm from the row to 30 cm from the row would be 10,0 and 30,0.

A "-1" should be placed at the end in the day number column to indicate end-of-data.

Variable Name	FORTRAN Format	Description
Format for line 1		
TRTNO	1X,I2	Treatment number.
INSTE	A2	Code for institute ID.
SITEE	A2	Code for site ID.
YEAR	I2	Year number, last 2 digits.
EXPTNO	I2	Experiment number.
Format for line 2 and subsequent lines		
JDFERT(J)	I3	Day of Year (Julian) of the Jth fertilizer application.
FERTN(J)	F5.1	Effective amount of nitrogen in fertilizer added, (kg/ha).
DFERT(J)	F5.1	Depth of incorporation of fertilizer (cm).
INTYPE(J)	I3	Code number for nitrogen fertilizer.
FERTP(J)	F5.1	Effective amount of phosphorus in fertilizer added, (kg/ha).
IPTYPE(J)	I3	Code number for phosphorus fertilizer.
FERTK(J)	F5.1	Effective amount of potassium in fertilizer added, (kg/ha).
IKTYPE(J)	I3	Code number for potassium fertilizer.
FERTIN(J)	F5.1	Effective amount of "other"

		inoculants and amendments.
IITYPE(J)	I3	Code for "other" inoculants and amendments.
FERCOD(J)	I2	Code for application placement as listed by IBSNAT (1988).
X1FERT(J)	F6.1	Distance from plant row to closest edge of fertilizer application area (cm).
Z1FERT(J)	F6.1	Topmost depth in soil where fertilizer is applied (cm).
X2FERT(J)	F6.1	Distance from plant row to furthest edge of fertilizer application area (cm).
Z2FERT(J)	F6.1	Lowest depth in soil where fertilizer is applied (cm).

FILE8: Treatment Management Data

Variable Name	FORTRAN Format	Description

Format for line 1

INSTE	A2	Code for institute ID.
SITEE	A2	Code for site ID.
YEAR	I2	Year number, last two digits.
EXPTNO	I2	Experiment number.
TRTNO	1X,I2	Treatment number.
TITLET	1X,A40	Title of Treatment.
ISOILT	1X,I4	Soil number for this treatment.
IVARTY	1X,I4	Cultivar number for this treatment.

Format for line 2 of each treatment

ISIM	I4	Julian date (day of year) simulation begins.
ISOW	1X,I3	Sowing date (Julian day of year).
PLANTS	1X,F6.2	Plant population (plants/m^2).
ROWSPC	1X,F6.3	Row spacing (m).
SDEPTH	1X,F5.2	Sowing depth (cm).
IIRR	1X,I2	Switch describing irrigation (default=1) 1. no irrigation applied. 2. irrigation applied according to actual field schedule. 3. automatically irrigated at threshold soil water. 4. assume no water stress, water balance not used.
ISWNIT	1X,I2	Switch to indicate if nitrogen routines are used (default=0). 0. nitrogen routines are not used and assume adequate N. 1. nitrogen routines are used.
EFFIRR	1X,F6.2	Irrigation efficiency (fraction).
DSOIL	1X,F5.2	Irrigation management depth (m).
THETAC	1X,F6.1	Available water triggering irrigation (%).
IMERGE	1X,I3	Emergence date (Julian day of year).
ISWEED	1X,I2	Switch to indicate weed data are available (0=No).
ISWINS	1X,I2	Switch to indicate insect data are available (0=No).
ISWNEM	1X,I2	Switch to indicate nematode data are available (0=No).
ISWDIS	1X,I2	Switch to indicate disease data are available (0=No).

Format for line 3 of each treatment
HISTRY   1X,A76   Brief description of previous
                                            cropping history for site.

FILEA: Measured Cotton Crop Harvest Summary Data

Description. FILEA is a small file which contains a summary of measured field harvest data for the crop for a particular treatment averaged over all replications. The following proposed format for cotton follows the IBSNAT formats for maize, wheat, and soybean as closely as possible. The "X" for the initial letter of variable names indicates experimentally observed data.

Variable Name	FORTRAN Format	Description
Format for line 1		
INSTE	A2	Code for institute ID.
SITEE	A2	Code for site ID.
YEAR	I2	Year number, last two digits.
EXPTNO	I2	Experiment number.
TRTNO	1X,I2	Treatment number.
XLTYLD	1X,F7.0	Actual field-measured lint yield (dry weight basis, kg/ha). This is the yield attainable by hand harvesting. If the cotton was harvested by machine, then the data must first be corrected for "gin turnout" or "harvest efficiency".
XSDYLD	1X,F7.0	Actual field-measured seed yield (dry weight basis, kg/ha).
XSDWT	1X,F7.4	Measured seed dry weight (g/seed).
XBLSM	1X,F6.0	Field-measured boll number (bolls/m^2).
XSPB	1X,F4.0	Field-measured number of seeds per boll (seeds/boll).
XLAIMX	1X,F5.2	Maximum leaf area index during season (m^2/m^2).
XBIOM	1X,F6.0	Field-measured above-ground dry biomass at maturity (kg/ha).
XSTMBR	1X,F6.0	Field-measured stem plus burr weight at maturity (kg/ha).
Format for line 2		
XSDTN	F6.2	Measured nitrogen concentration in seed at maturity (%).
XTOTNP	1X,F5.1	Measured total crop nitrogen content at maturity (kg/ha).
XAPTNP	1X,F5.1	Measured nitrogen content of stems plus burrs plus lint at maturity (kg/ha).
XSDN	1X,F5.1	Measured nitrogen content of seed at maturity (kg/ha).

FILEB: Measured Cotton Intermediate Growth Data (for graphics)

Description. FILEB contains observed crop growth data obtained at intermediate days during the growing season. Data for all treatments of an experiment are stored in one file. The first line is header information which identifies the source of the data followed by days of year at which emergence, first square, and first flower occurred. On the second line, the first variable identifies the number of state variables for which there are matching field data, and the rest of the variables on this line are pointers which indicate the state variable for each column of data. Starting with the third line, there is one line of data for each observation date recorded in the minimum data set (MDS). Replication data for each treatment can be included by using a different line of data for each rep. A "-1" on the line immediately following a data line indicates the end of data for a specific treatment. The "X" or "J" for the first letter of the variable names indicates experimentally observed data.

Variable Name	FORTRAN Format	Description

Format for line 1

Variable Name	FORTRAN Format	Description
INSTE	* or A2	Code for institute ID.
SITEE	* or A2	Code for site ID.
YEAR	* or I2	Year number, last two digits.
EXPTNO	* or I2	Experiment number.
TRTNO	* or 1X,I2	Treatment number.
JEMRGD	* or 1X,I3	Day of emergence which is the day that 50% of the plants emerge from the soil (day of year).
JSQRJD	* or 1X,I3	Day of first square which is the day of year that 50% of the plants in the field displayed their first square (day of year).
JFLRJD	* or 1X,I3	Day of first flower which is the day of year that 50% of the plants in the field displayed their first flower (day of year).

Format for line 2

Variable Name	FORTRAN Format	Description
NOVAR	* or I3	No. of state variables for which there are matching field data.
NV(I),I=1,NOVAR	* or (NOVAR)I3	Pointer which indicates state variable number for each column of data

Format for line 3 and beyond

```
JDOY()                 * or I3        Day of Year (Julian).
NV(1)  or XPLTHT()     * or F5.0      Plant height (cm).
NV(2)  or XLAI()       * or F6.2      Leaf Area Index (m²/m²).
NV(3)  or JNNODM()     * or I5        No. nodes/m².
NV(4)  or JNSQRM()     * or I4        No. squares/m².
NV(5)  or JNFLWM()     * or I4        No. flowers/m².
NV(6)  or JNGBLM()     * or I4        No. green bolls/m².
NV(7)  or JNMBLM()     * or I4        No. open mature bolls/m².
NV(8)  or JNABSM()     * or I5        No. abscised sites/m².
NV(9)  or XWLEFH()     * or F8.0      Dry leaf weight (kg/ha).
NV(10) or XWSTMH()     * or F8.0      Dry stem weight (kg/ha).
NV(11) or XWROTH()     * or F8.0      Dry root weight (kg/ha).
NV(12) or XWGBLH()     * or F8.0      Dry green boll weight (kg/ha).
NV(13) or XWMBLH()     * or F8.0      Dry mature boll weight (kg/ha).
NV(14) or XWLINT()     * or F8.0      Dry lint weight (kg/ha).
NV(15) or XWSEED()     * or F8.0      Dry seed weight (kg/ha).
NV(16) or XWBURR()     * or F8.0      Dry burr weight (kg/ha).
```

---

* Format uses one or more spaces to separate one variable from the next.

Treatment Sorting Order

In the data tables that follow, the presentation sequence follows treatment order, rather than plot number order. As can be seen from a scan of the Table of Contents, the treatments are listed in the order CO_2 - irrigation - nitrogen - replication, with replication cycling fastest and CO_2 slowest. We used open-top field chambers whose environment might be affected by the CO_2, irrigation, or nitrogen treatment. Therefore, each plot was regarded as a separate site and was outfitted with a psychrometer to measure temperatures, as discussed previously. The sites were identified by plot codes in 1983, as shown in Fig. 1 (2B, 3A, etc.), or sequence numbers in 1984-1987, as shown in Figs. 2-3 (01, 02, ..., 16), and these codes or sequence numbers were used for the site ID, SITEE (and SITES for FILE4 and FILE5).

Each site had its own weather file each year, as well as treatment management (FILE8), final harvest summary (FILEA), and intermediate growth (FILEB) files. However, the data for some of the files were common to all plots or sites that year. To save space and needless duplication, therefore, in such cases the data for all plots is in the file named for the site with the lowest level of all variables. For example, in 1983 all plots received the same fertilizer management, and these data are in the file for the lowest CO_2 level (open field) and rep I, which was plot 4A (Fig. 1). Thus, the fertilizer management data for all plots in 1983 are in file PX4A8301.CT7. Another example is the soil organic residue data for 1986, which also was the same for all plots. In this case the lowest treatment level would be ambient CO_2, dry, N-, rep I, which was in plot 07 (or ID3 in Fig. 3), and these soil organic residue data are in file PX078601.CT4. In any event, the experiment file directories (CTEXP__.DIR) list the proper group of files needed for each year-plot combination that defines the individual experiments.

Spreadsheet Template for Data Entry

As can be seen from the Format Tables, the IBSNAT (1986) standard prescribes numerous files with detailed naming and format conventions. To aid data entry in the correct sequence and format, and to assist in properly naming all the files, a spreadsheet template was written. It

was written using macros for Quatro but should work with Lotus 1-2-3 also. It is available upon request from the authors.

DOCUMENTATION OF PROGRAM RETRVE
FOR READING THE DATA FILES

An algorithm named 'RETRVE.FOR' was developed to read in all the data files, i.e., daily weather, soil profile properties, soil organic residue, soil profile initial conditions, irrigation management, fertilizer management, treatment management, measured cotton crop harvest summary, and measured cotton intermediate growth data, which correspond to a particular treatment combination for a given year. A PC-based OTG ANSI FTN77 software package (University of Salford FTN77/386 revision C, P.O. Box 5250, 308 Mulberry Street, Scranton, PA 18505) was used as the developmental tool; therefore, all code complies with the ANSI standard and should be transportable to other FORTRAN compilers. Wherever possible, RETRVE.FOR was structured to adhere to the IBSNAT standard as closely as possible, as discussed in the 'File Structure and Data Formats' section of this document.

Structure of RETRVE.FOR: RETRVE.FOR, contains a main routine, MAIN, and three subroutines, LISTID, READDA and VALFAB. MAIN will prompt the user to verify that the include file, 'PATHINP.INC', has been edited correctly. It then reads this file into the appropriate variables. MAIN calls subroutine LISTID which will use the information in the PATHINP.INC file to identify which files are to be retrieved. It also sets the path to those files. Subroutine LISTID then calls subroutine READDA. This routine will open both the files to be read and the output file, RETRVE.OUT. All files which contain variables to be interfaced with the simulation model are read in consecutive order by READDA. Files A and B, which are validation data files, are processed in a separate subroutine, VALFAB. All data read in are echoed into an output file, 'RETRVE.OUT'. File B data are loaded into a multidimensional array. An array indexing technique is employed to load the individual state variable arrays according to identification array, NV(I). These single dimensional arrays along with the JDOY array provide real world observed data which can be plotted along with simulated values from a plant growth model to validate the model's predictions.

PATHINP.INC file: The 'CTEXPyy.DIR' files contain a list of all the file names associated with the results from a particular year's experiment. These files, therefore are the key to the database. An input file named PATHINP.INC is the control input file used by RETRVE.FOR to retrieve the desired files within the database. As illustrated in Table 2, it contains four lines. Each line corresponds to the following variables in the RETRVE.FOR algorithm. (1) EXPID - an 8 digit character string which identifies the experimental data set desired for a particular treatment combination within a year, ex. 'PX158701'. (2) DIRFN - sets the path and gives the file name of the desired year 'CTEXPyy.DIR'. For example, if you desire to extract data files from a 1987 experiment using your floppy drive A:, then set DIRFN to 'A:\CTEXTP87.DIR'; otherwise, if you have loaded the data files onto your hard drive, then simply set the path to the proper directory. For example, a subdirectory used to hold your FORTRAN data files could be used 'C:\FTN77\DATA87\CTEXTP87.DIR'. (3) PTODAT - sets the path to the directory which contains the actual data files for a given EXPID and year. This path must be set similarly to that in the previous example, i.e. 'A:\' for files located in floppy drive A:, and 'C:\FTN77\DATA87\' for the data files located in a \FTN77\DATA87\ subdirectory of your hard drive, C:, (4) NPATH - gives the number of characters used in the character string which sets the path in variable PTODAT; for example, if the path is set to the floppy drive A:\, 'A:\', then NPATH is 3. If it is set to 'C:\FTN77\DATA87\', then NPATH is set to 16. It is important that NPATH be set correctly so that the name of each file to be opened can be concatenated to the existing path, thereby enabling those files to be opened and eventually read by RETRVE.FOR. Note!, NPATH must not exceed 45 which limits the character string used to set the paths in both the DIRFN and PTODAT variables.

Running RETRVE.FOR: After editing the PATHINP.INC file, and compiling and linking the source code in RETRVE.FOR, RETRVE is ready for execution. During a run it will prompt the user to verify that the PATHINP.INC file is set up correctly. The user should enter '1' if PATHINP.INC is correct; otherwise enter '2' to discontinue and edit PATHINP.INC.

During execution, the complete path and file names being processed are echoed to the screen. This will allow verification that the correct files are being loaded.

Output from RETRVE.FOR: Execution RETRVE will generate an output file called RETRVE.OUT. This file is output in the same directory that RETRVE is executed. It consists of nothing more than an echo of the input files read. This is a further check to verify that the actual data is the same as that in the text portion of the document.

Interfacing algorithm RETRVE.FOR with a cotton simulation model: The RETRVE.FOR source code has been developed so that it can be readily interfaced with any cotton simulation model. After each of the input files has been opened in subroutine READDA, the variables within the file are read and can be interfaced directly with the corresponding variables in the cotton model being used, as illustrated by tables after each of the READ statements in READDA. The original source code makes these interface tables non-executable by having C's in the first column to make then comments.

To use these interface tables, simply insert the variable names used in your model which correspond to the input variable names used in the IBSNAT standard. Check for consistency in units. If the units differ, a conversion factor can be used to scale the variables properly. Lastly, remove the C's so that the comments become executable statements, re-compile, link, and run the executable program.

Table 2. example of a PATHINP.INC file
used to extract data files located
on a floppy inserted into drive A: (a),
or on a subdirectory in the
hard-drive C: (b), respectively.

a)

```
PX158701
A:\CTEXTP87.DIR
A:\
3
```

b)

```
PX158701
C:\FTN77\DATA87\CTEXP87.DIR
C:\FTN77\DATA87\
16
```

```
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                  C
C                 DOCUMENTATION OF PROGRAM 'RETRVE.FOR'            C
C                                                                  C
C------------------------------------------------------------------C
C                                                                  C
C                                                                  C
C        DATE:  2/27/92                                            C
C      VERSION: 1.0                                                C
C      AUTHORS: Mr. Matthew L. Reaves and Dr. Gerard W. Wall       C
C                                                                  C
C      ADDRESS: USDA/ARS                                           C
C               U.S. Water Conservation Laboratory                 C
C               Phoenix, AZ 85040                                  C
C                                                                  C
C------------------------------------------------------------------C
C                                                                  C
C   DESCRIPTION:  RETRVE.FOR IS AN ALGORITHM DEVELOPED TO          C
C                 READ EXPERIMENTAL DATASETS FOUND IN THE          C
C                 ENCLOSED DOCUMENT                                C
C                                                                  C
C                                                                  C
C     STRUCTURE:  RETRVE - MAIN ROUTINE                            C
C                 LISTID - SUBROUTINE CALLED BY MAIN               C
C                 READDA - SUBROUTINE CALLED BY LISTID             C
C                 VALFAB - SUBROUTINE CALLED BY READDA             C
C                                                                  C
C------------------------------------------------------------------C
C                                                                  C
C        INPUT:  A FOUR LINE FILE CALLED 'PATHINP.INC' WHICH       C
C                CONTAINS THE FOLLOWING VARIABLES:                 C
C                                                                  C
C                (1) EXPID - AN 8 DIGIT CHARACTER STRING WHICH     C
C                            IDENTIFIES THE DESIRED EXPERIMENTAL    C
C                            DATA SET (ex. 'PX158701').            C
C                                                                  C
C                (2)  DIRFN - SETS PATH TO ONE OF THE FOLLOWING    C
C                            EXPERIMENTAL DIRECTORY FILES.         C
C                                                                  C
C                            2.1)   'CTEXP83.DIR'                  C
C                            2.2)   'CTEXP84.DIR'                  C
C                            2.3)   'CTEXP85.DIR'                  C
C                            2.4)   'CTEXP86.DIR'                  C
C                            2.5)   'CTEXP87.DIR'                  C
C                                                                  C
C                (3) PTODAT - SETS PATH TO THE                     C
C                            DESIRED EXPERIMENTAL                   C
C                            DATA FILES.                           C
C                                                                  C
C                (4) NPATH -  SETS THE NUMBER OF CHARACTERS USED   C
C                            IN SETTING PATH GIVEN IN VARIABLE      C
C                            PTODAT                                C
```

```
C                                                                             C
C------------------------------------------------------------------------------C
C                                                                             C
C          OUTPUT:   A DATA FILE 'RETRVE.OUT' WHICH ECHOS THE                 C
C                    INPUT TO VERIFY CORRECT INPUT                            C
C                                                                             C
C                                                                             C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC


          PROGRAM RETRVE

          CHARACTER EXPID*8, DIRFN*45, PTODAT*45
          INTEGER NPATH
          WRITE(6,'(//,A60)')'PROGRAM  * RETRIEVE *
     #    ','*****************************************************'
          WRITE(6,'(A60)')'PLEASE READ THE FOLLOWING
     #    ','****************************************************
     #    ','
     #    ','THIS ALGORITHM WILL RETRIEVE THE REQUESTED DATA FILES
     #    ','ASSOCIATED WITH A SPECIFIC TREATMENT COMBINATION WITHIN
     #    ','A GIVEN YEAR USING INFORMATION SUPPLIED IN THE
     #    ','"PATHINP.INC" FILE.
     #    ','
     #    ' ****************************************************
     #    ','
     #    ','  NOTE !
     #    ','  ****
     #    ','
     #    ','   - THE USER MUST HAVE ALREADY EDITED
     #    ','     THE "PATHINP.INC" FILE .
     #    ','
     #    ','   - THIS IS A 4 RECORD INPUT FILE TO TELL RETRVE.FOR
     #    ','     WHERE TO LOCATE THE REQUESTED DATA FILES.
     #    ','
     #    ','   - ENTER A "1" TO CONTINUE OR A "2" TO STOP.
     #    '****************************************************
     #    '

          READ(6,*)ICHECK
              IF(ICHECK.NE.1) THEN
                  STOP
              ENDIF
          OPEN(38, FILE='PATHINP.INC')

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                             C
C     'PATHINP.INC' = PATH LIST INPUT FILE NAME                               C
C                     CONTAINS 4 RECORDS                                       C
C                                                                             C
C             EXPID - EXPERIMENTAL  IDENTIFIER                                 C
C             DIRFN  - FULL PATH NAME TO CTEXP.DIR FILE                        C
```

```
C               PTODAT - FULL PATH TO DATA FILES                         C

C                 NPATH  - NUMBER OF CHARACTERS IN PATH TO DATA FILES    C
C                                                                        C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

        READ(38,'(A8)')EXPID
        READ(38,'(A45)')DIRFN
        READ(38,'(A45)')PTODAT
        READ(38,*)NPATH


C========================================================================
C                    CALL SUBROUTINE LISTID                              C
C========================================================================

        CALL LISTID(EXPID,DIRFN,PTODAT,NPATH)


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                        C
C         PROGRAM COMPLETE, TELL USER WHERE TO VIEW DATA                 C
C                                                                        C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

        WRITE(6,'(/)')
        PRINT*,'***************************************************'
        PRINT*,'*                                               *'
        PRINT*,'*         PROGRAM HAS EXECUTED CORRECTLY         *'
        PRINT*,'*                                               *'
        PRINT*,'***************************************************'
        WRITE(6,'(/)')
        PRINT*,'***************************************************'
        PRINT*,'*                                               *'
        PRINT*,'*     EDIT "RETRVE.OUT" TO REVIEW   THE DATA     *'
        PRINT*,'*                                               *'
        PRINT*,'***************************************************'
        END

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                        C
C  SUBROUTINE LISTID - THIS ROUTINE WILL USE INFORMATION IN THE          C
C                      'PATHINP.INC' INPUT FILE TO IDENTIFY              C

C                      WHICH FILES ARE TO BE RETRIEVED AND TO            C
C                      SET THE PATH TO THESE FILES                       C
C                                                                        C
C                      - CALLED BY MAIN                                  C
C                                                                        C
C                      - CALLS READDA                                    C
C                                                                        C

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
```

```
      SUBROUTINE  LISTID(EXPID,DIRFN,PATH1,NPATH)

      CHARACTER EXPID*8,VARSEE*8,EXPDES*42,FIL1*12
#    ,            FIL2*12, FIL4*12,FIL5*12,FIL6*12,FIL7*12
#    ,            FIL8*12,FIL9*12,FILA*12,  FILB*12
#    ,            TEMP*45,FPATH1*45,PATH1*45
#    ,            FPATH2*45,FPATH4*45,FPATH5*45,FPATH6*45
#    ,            FPATH7*45,FPATH8*45,FPATHA*45,FPATHB*45
#    ,            DIRFN*45
      INTEGER NPATH

C===================================================================
      C                  A CHARACTER VARIABLE FILE NAME IS OPENED
C                 THAT WAS READ FROM THE FILE 'PATHINP.INC'
C===================================================================
      OPEN(10,FILE= DIRFN)
C===================================================================
C                 THIS LOOP CHECKS EACH 'EXPID' FOR A MATCH
C                         WITH THE CHOSEN TEST
C===================================================================

      DO 1500 J=1,500
          READ(10,'(A8,A42,A12,1X,A12)',END=230)VARSEE
#         ,EXPDES,FIL1,FIL2
          IF (VARSEE.EQ.EXPID)THEN

C===================================================================
      C          ONCE A MATCH IS FOUND ALL FILE NAMES FOR THAT TEST SET
C                 ARE READ INTO CHARACTER VARIABLES
C===================================================================

          READ(10,'(5(A12,1X),A12)')FIL4,FIL5,FIL6,FIL7,FIL8,FIL9
          READ(10,'(A12,1X,A12)')FILA,FILB

C===================================================================
C                                                                C
C                                                                C
C          FILE NAMES TO BE READ ARE ADDED                       C
C          TO PATH GIVEN IN "PATHINP.INC" FILE                   C
C                                                                C
C                                                                C
C===================================================================
          WRITE(6,'(/)')
          TEMP=FIL1
          FPATH1=PATH1
          FPATH1(NPATH+1:)=TEMP
          PRINT*,FPATH1
          TEMP=FIL2
          FPATH2=PATH1
          FPATH2(NPATH+1:)=TEMP
          PRINT*,FPATH2
          TEMP=FIL4
          FPATH4=PATH1
```

```
                    FPATH4(NPATH+1:)=TEMP
                    PRINT*,FPATH4
                    TEMP=FIL5
                    FPATH5=PATH1
                    FPATH5(NPATH+1:)=TEMP
                    PRINT*,FPATH5
                    TEMP=FIL6
                    FPATH6=PATH1
                    FPATH6(NPATH+1:)=TEMP
                    PRINT*,FPATH6
                    TEMP=FIL7
                    FPATH7=PATH1
                    FPATH7(NPATH+1:)=TEMP
                    PRINT*,FPATH7
                    TEMP=FIL8
                    FPATH8=PATH1
                    FPATH8(NPATH+1:)=TEMP
                    PRINT*,FPATH8
                    TEMP=FILA
                    FPATHA=PATH1
                    FPATHA(NPATH+1:)=TEMP
                    PRINT*,FPATHA
                    TEMP=FILB
                    FPATHB=PATH1
                    FPATHB(NPATH+1:)=TEMP
                    PRINT*,FPATHB


C==================================================================

C                   CALL SUBROUTINE READDA                         C
C==================================================================

        CALL READDA(EXPID,EXPDES,FPATH1,FPATH2,FPATH4,FPATH5,FPATH6
     #  ,FPATH7,FPATH8, FPATHA,FPATHB)
        GOTO 23
        ENDIF
 1500   CONTINUE
  230   PRINT*,'THIS EXPERIMENT ',EXPID,' WAS NOT FOUND'
        STOP
   23   PRINT*,' SUBROUTINE LISTID COMPLETE'
        RETURN
        END


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                  C
C   SUBROUTINE READDA - OPENS THE INPUT FILES TO BE READ           C
C                       WHICH WERE DETERMINED IN SUBROUTINE        C
C                       LISTID.  OPENS THE OUTPUT FILE 'RETRVE.OUT'.C
C                       READS THE INPUT FILES AND ECHOS THE OUTPUT.C
C                       IT IS ALSO THE SUBROUTINE WHERE INTERFACING C
```

```
C                    THE IBSNAT STANDARD VARIABLES WITH THOSE           C

C                      IN THE COTTON MODEL USED WILL OCCUR.             C
C                                                                       C
C                           - CALLED BY LISTID                          C
C                                                                       C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

           SUBROUTINE READDA(EXPID,EXPDES,FILE1,FILE2,FILE4,FILE5,FILE6
      #    ,FILE7,FILE8,FILEA, FILEB)
           REAL LL,DFERT,NH4,NO3,PH
           INTEGER CO2,IDUMSL,TRTNO,YEAR
      #    ,PARDAT,WNDDAT, DEWDAT, STDAT, CO2DAT,EXPTNO,FERCOD
           CHARACTER    INSTW*2,STATW*2,A00*7 ,EXPID*8, EXPDES*42
      #    ,    INSTS*2,SITES*2, INSTE*2,SITEE*2
      #    ,        PEDON*12,TAXON*60
      #    ,        DATAID*60
      #    ,        SNAME*60
      #    ,        HISTRY*76
      #    ,        FILE1*45,FILE2*45,FILE4*45,FILE5*45,FILE6*45
      #    ,        FILE7*45,FILE8*45,FILEA*45,FILEB*45
      #    ,        TITLET*40

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                       C
C                     OPEN INPUT AND OUTPUT FILES                       C
C                                                                       C
C                                                                       C
C       EXAMPLE:    OPEN (12,FILE ='D:\FTN77\AVONDALE.CT2')             C
C                                                                       C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC


           OPEN (3,FILE = 'RETRVE.OUT')
           OPEN (11,FILE = FILE1)
           OPEN (12,FILE = FILE2)
           OPEN (14,FILE = FILE4)
           OPEN (15,FILE = FILE5)
           OPEN (16,FILE = FILE6)
           OPEN (17,FILE = FILE7)
           OPEN (18,FILE = FILE8)

           WRITE(3,*)'THE EXPERIMENTAL IDENT. EXPID= ',EXPID
           WRITE(3,*)'THE EXPERIMENTAL DESCRIPTION= ',EXPDES
           WRITE(3,*)
           WRITE(3,'(A72)')'***********   FILE 1   *********************'
      #    ,               'THE FOLLOWING WILL BE FROM THE WEATHER FILE = '

      #    ,FILE1
      #    ,'                ***********************************************'
           WRITE(3,*)
           PRINT*,'READING FILE 1 '
           READ(11,1111)INSTW,STATW,XLAT,XLONG,PARFAC,PARDAT,WNDDAT
```

```
       #    ,DEWDAT,STDAT,CO2DAT,CO2YR,WINDYR


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                C
C               INTERFACE OF WEATHER DATA - FILE1                C
C                                                                C
C       ************************************************         C
C          *MODEL*    =    *EXPERIMENT*   X    CONVERSION FACTOR  C
C       ___(VAR.NAME)_____(var.NAME)_____(must be checked)_ C
C       ************************************************          C
C                                                                C
C                       =   INSTW                                C

C                       =   STATW                                C
C                       =   XLAT                                 C
C                       =   XLONG                                C
C                       =   PARFAC                               C
C                       =   PARDAT                               C
C                       =   WNDAT                                C
C                       =   DEWDAT                               C
C                       =   STDAT                                C
C                       =   CO2DAT                               C
C                       =   CO2YR                                C
C                       =   WINDYR                               C
C                                                                C
C       ************************************************         C
C                                                                C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

        WRITE(3,*)'INSTW/                  OPTIONS (PARDAT,WNDDAT,DEWD
       #AT,STDAT,CO2DAT)'
        WRITE(3,*)'STATW XLAT XLONG  PARFAC          CO2YR WINDYR'
        WRITE(3,1112)INSTW,STATW,XLAT,XLONG,PARFAC,PARDAT,WNDDAT
       #    ,DEWDAT,STDAT,CO2DAT,CO2YR,WINDYR
 1111   FORMAT(2(A2),2(1X,F6.2),1X,F5.2,5(1X,I1),1X,F4.0,1X,F5.1)
 1112   FORMAT(2(A2),2(1X,F6.2),1X,F5.2,5(1X,I1),1X,F4.0,1X,F5.1,/)
        WRITE(3,*)'STATW IYR  SOLRAD      XTMIN       XPAR       DEWP
       #T       STMIN        A00'
        WRITE(3,*)'INSTW/  JUL    XTMAX      XRAIN      WIND
       #  STMAX       CO2  '

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                C
C       FILL APPROPRIATE COTTON MODEL ARRAYS TO END OF FILE      C
C                                                                C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

        DO 678 I=1,360


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
```

```
C                                                                    C
C      READ EVERYTHING AS IS. AND ENTER INTO APPROPRIATE             C
C      COTTON MODEL ARRAY AFTER EACH LINE IS READ                    C
C                                                                    C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

             READ(11,1120,END=1999,ERR=193)INSTW,STATW,IYR,JUL,SOLRAD,XTMAX
       #     ,XTMIN,XRAIN,XPAR,WIND,DEWPT,STMAX,STMIN,CO2,A00

  1120     FORMAT(2(A2),1X,I2,1X,I3,1X,F5.2,3(1X,F5.1),1X,F6.2
       #     ,4(1X,F5.1),1X,I4,1X,A7)
             WRITE(3,1120)INSTW,STATW,IYR,JUL,SOLRAD,XTMAX
       #     ,XTMIN,XRAIN,XPAR,WIND,DEWPT,STMAX,STMIN,CO2,A00

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                    C
C            INTERFACE OF DAILY WEATHER DATA - FILE1                 C
C                                                                    C
C                                                                    C
C      ************************************************************** C
C      *MODEL*   =     *EXPERIMENT*   X    CONVERSION FACTOR          C
C      ____(VAR.NAME)_____(var.NAME)_____(must be checked)_     C
C      ************************************************************** C
C                                                                    C
C                       =    INSTW                                   C
C                       =    STATW                                   C
C                       =    IYR                                     C
C                       =    JUL                                     C
C                       =    SOLRAD                                  C
C                       =    XTMAX                                   C
C                       =    XTMIN                                   C
C                       =    XRAIN                                   C
C                       =    XPAR                                    C
C                       =    WIND                                    C
C                       =    DEWPT                                   C
C                       =    STMAX                                   C
C                       -    STMIN                                   C
C                       =    CO2                                     C
C                       =    A00                                     C
C      ************************************************************** C
C                                                                    C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

  678      CONTINUE
  193      WRITE(3,*)'ERROR PROCESSING FILE 1'
           WRITE(6,*)'ERROR PROCESSING FILE 1'
               STOP
 1999      PRINT *,'LAST DAY OF DATA WAS ',A00
           WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE 1=
       #   ',FILE1,'WAS PROCESSED CORRECTLY'
```

```
      WRITE(3,'(//,A50)')'********FILE 2*********************
  #   '
      WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
  #   ',' THE SOIL PROPERTIES =  FILE 2
  #   ',FILE2
  #   ,'***************************************
  #   '
      WRITE(3,*)'IDUMSL    PEDON                          TAXON'

      PRINT*,'READING FILE 2 '
      READ(12,121)IDUMSL,PEDON,TAXON

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                    C
C              INTERFACE OF SOIL PROFILE PROPERTIES                  C
C                                                                    C
C     **********************************************************     C
C         *MODEL*  =     *EXPERIMENT*   X    CONVERSION FACTOR       C
C     ____(VAR.NAME)_____(var.NAME)_____(must be checked)_    C
C     **********************************************************     C
C                                                                    C
C                     =       IDUMSL                                 C
C                     =       PEDON                                  C
C                     =       TAXON                                  C
C     ********************************************************       C
C                                                                    C
C                                                                    C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

      READ(12,122)SALB,U,SWCON,CN2,TAV,AMP,DMOD
  #   ,SWCON1,SWCON2,SWCON3,RWUMX,PHFAC3

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                    C
C              INTERFACE OF SOIL PROFILE PROPERTIES                  C
C                                                                    C
C     ************************************************************   C
C         *MODEL*  =     *EXPERIMENT*   X    CONVERSION FACTOR       C
C     ____(VAR.NAME)_____(var.NAME)_____(must be checked)_    C
C     ************************************************************   C
C                                                                    C
C                            =     SALB                              C
C                            =     U                                 C
C                            =     SWCON                             C
C                            =     CN2                               C
C                            =     TAV                               C
C                            =     AMP                               C
C                            =     DMOD                              C
C                            =     SWCON1                            C
C                            =     SWCON2                            C
C                            =     SWCON3                            C
```

```
C                                =     RWUMX                              C
C                                -     PHFAC3                             C
C                                                                        C
C     ********************************************************           C
C                                                                        C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

  121     FORMAT(1X,A2,1X,A12,1X,A60)
  122     FORMAT(F6.2,1X,F5.2,2(1X,F6.2),2(1X,F5.1),1X,F3.1
      #   ,1X,E9.2,1X,F6.1,2(1X,F5.2),1X,F4.2)
          WRITE(3,121)IDUMSL,PEDON,TAXON
          WRITE(3,*)
          WRITE(3,*)'SALB    U    SWCON CN2   TAV   AMP   DMOD SWCON1  SWCON2
      # SWCON3 RWUMX PHFAC3'
          WRITE(3,126)SALB,U,SWCON,CN2,TAV,AMP,DMOD
      #   ,SWCON1,SWCON2,SWCON3,RWUMX, PHFAC3
  126     FORMAT(F5.2,1X,F5.1,F6.2,F5.1,2(1X,F5.1),1X,F3.1
      #   ,1X,E10.3,1X,F6.1,2(1X,F5.2),1X,F4.2)
          WRITE(3,*)


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                        C
C                                                                        C
C                      INPUT ARRAY DATA FOR LAYERS                       C
C                                                                        C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

          INLAYS=0
          WRITE(3,2129)'DLAYR','LL','DUL','SAT','DSW'
      #   ,'WR','BD','OC','DNH4','DNO3','DPH'
  2129    FORMAT(A6,5(1X,A6),2(1X,A5),3(1X,A4))

          DO 300  IL = 1,20
              INLAYS=INLAYS+1
              READ(12,123,ERR=310)DLAYR, LL, DUL, SAT, DSW
      #       ,WR,BD,OC,DNH4 ,DNO3,DPH

              IF(INT(DLAYR).NE.-1)THEN
                  WRITE(3,123)DLAYR, LL, DUL, SAT, DSW
      #           ,WR,BD,OC,DNH4,DNO3,DPH
  123             FORMAT(F6.0,5(1X,F6.3),2(1X,F5.2),3(1X,F4.1))


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                        C
C            INTERFACE SOIL PROFILE PROPERTIES - FILE 2                  C
C                                                                        C
C     ********************************************************           C
C       *MODEL*   =    *EXPERIMENT*   X    CONVERSION FACTOR             C
C       (VAR.NAME)        (var.NAME)        (must be checked)            C
C     ********************************************************           C
C                                                                        C
C                                =     DLAYR                             C
C                                =     LL                                C
```

```
C                         =         DUL                                    C
C                         =         SAT                                    C
C                         =         DSW                                    C
C                         =         WR                                     C
C                         =         BD                                     C
C                         =         OC                                     C
C                         =         DNH4                                   C
C                         =         DNO3                                   C
C                         =         DPH                                    C
C     ****************************************************************     C
C                                                                          C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

              ELSE
                    WRITE(3,'(F6.0)') DLAYR
                    GOTO 333
              ENDIF

  300      CONTINUE
  310      WRITE(6,*)' NLAYERS =',INLAYS,'  ERROR'
           WRITE(3,*)' NLAYERS =',INLAYS,'  ERROR'
           STOP
  333      PRINT*,'CORRECT PROCESSING'


C========================================================================
C                         FILE 2 SECOND LOOP
C========================================================================


       WRITE(3,*)
       WRITE(3,*)'ROCK SAND SILT CLAY SCOND CATEXC ALPHA  XN     VGTHS
      #VGTHR'
       DO 234 I=1,INLAYS-1
              READ(12,124)ROCK,SAND,SILT, CLAY,SCOND,CATEXC
      #        ,ALPHA,XN,VGTHS,VGTHR

              WRITE(3,124)ROCK,SAND,SILT, CLAY,SCOND,CATEXC
      #        ,ALPHA,XN,VGTHS,VGTHR
  124         FORMAT(5(1X,F4.1),1X,F5.1,4(1X,F6.3))

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

C                                                                          C
C            INTERFACE SOIL PROFILE PROPERTIES - FILE 2                    C
C                                                                          C
C     ****************************************************************     C
C        *MODEL*  =      *EXPERIMENT*   X    CONVERSION FACTOR             C
C      ____(VAR.NAME)_____(var.NAME)_____(must be checked)_         C
C     ****************************************************************     C
C                                                                          C
C                         =      ROCK                                      C
C                         =      SAND                                      C
C                         =      SILT                                      C
```

A-108

```
C                              =    CLAY                                    C
C                              =    SCOND                                   C
C                              =    CATEXC                                  C
C                              =    ALPHA                                   C
C                              =    XN                                      C
C                              =    VGTHS                                   C
C                              =    VGTHR                                   C
C                                                                           C
C          ************************************************************     C
C                                                                           C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

   234     CONTINUE
           WRITE(3,*)
           READ(12,'(A60)')DATAID
           WRITE(3,*)'              DATAID'
           WRITE(3,'(A60,/)')DATAID
           READ(12,*)LYRSOL
           WRITE(3,*)'LYRSOL'
           WRITE(3,'(I4,/)')LYRSOL
           WRITE(3,*)'DIFFO    THETAO BETA  GLAYR   THETAS  FC   THETAR AIRD
       #R   ETA   GBD   PSIBUB'

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                           C
C               INTERFACE SOIL PROFILE PROPERTIES - FILE 2                  C
C                                                                           C
C      ****************************************************************      C
C       *MODEL*    =     *EXPERIMENT*   X     CONVERSION FACTOR             C
C      ____(VAR.NAME)_____(var.NAME)_____(must be checked)_          C
C       ****************************************************************      C
C                                                                           C
C                         =      DATAID                                     C
C                         =      LYRSOL                                     C
C                                                                           C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

           DO 245 I=1,LYRSOL+2
               IF(I.LE.LYRSOL) THEN
                   READ(12,*)DIFFO,THETAO,BETA,GLAYR,THETAS,FC
       #                ,THETAR,AIRDR,ETA,GBD,PSIBUB
                   WRITE(3,342)DIFFO,THETAO,BETA,GLAYR,THETAS,FC
       #                ,THETAR,AIRDR,ETA,GBD,PSIBUB

           ELSE


                   READ(12,*)DIFFO,THETAO,BETA,THETAS,FC
       #                ,THETAR,AIRDR,ETA,BD,PSIBUB
                   WRITE(3,343)DIFFO,THETAO,BETA,THETAS,FC
       #                ,THETAR,AIRDR,ETA,GBD,PSIBUB
```

```
              ENDIF
342           FORMAT(E8.2,2X,F5.3,2X,F4.1,2X,E8.2,7(2X,F4.2))
343           FORMAT(E8.2,2X,F5.3,2X,F4.1,2X,8X,7(2X,F4.2))

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                   C
C              INTERFACE SOIL PROFILE PROPERTIES - FILE 2           C
C                                                                   C
C      *********************************************************    C
C          *MODEL*    =     *EXPERIMENT*    X    CONVERSION FACTOR   C
C      ____(VAR.NAME)_____(var.NAME)_____(must be checked)_   C
C      *********************************************************     C
C                                                                   C
C                        =        DIFF0                             C
C                        =        THETA0                            C
C                        =        BETA                              C
C                        =        GLAYR                             C
C                        =        THETAS                            C
C                        =        FC                                C
C                        =        THETAR                            C
C                        =        AIRDR                             C
C                        =        ETA                               C
C                        =        GBD                               C
C                        =        PSIBUB                            C
C      *********************************************************     C
C                                                                   C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC


245    CONTINUE

       READ(12,*)TD,THETAI,BDSLOP, BDRATO, PSISFC
       WRITE(3,*)
       WRITE(3,*)'TD  THETAI BDSLOP BDRATO PSISFC'

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                   C
C              INTERFACE SOIL PROFILE PROPERTIES - FILE 2           C
C                                                                   C
C      *********************************************************    C
C          *MODEL*    =     *EXPERIMENT*    X    CONVERSION FACTOR   C
C      ____(VAR.NAME)_____(var.NAME)_____(must be checked)_   C
C      *********************************************************     C
C                              =        TD                          C
C                              =        THETAI                      C
C                              =        BDSLOP                      C
C                              =        BDRATO                      C
C                              =        PSISFC                      C
C      *********************************************************     C
C                                                                   C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
```

```
             WRITE(3,113)TD,THETAI,BDSLOP, BDRATO, PSISFC
      113    FORMAT (F4.1,1X,F5.3,3(2X,F5.2),/)
             READ(12,'(A60)') SNAME
             WRITE(3,*)'       SNAME'
             WRITE(3,'(A60)') SNAME
             READ(12,'(I2)')NCURVE
             WRITE(3,'(/,A10)')'NCURVE'
             WRITE(3,'(4X,I2,/)')NCURVE


C==================================================================================
      C          SETUP LOOP TO READ IN CURVES
C==================================================================================

             DO 129 I=1,NCURVE
                READ(12,*)INRIM,GH2OC
                WRITE(3,*)'INRIM(I)   GH2OC(I)'
                WRITE(3,'(2X,I2,9X,F5.2)')INRIM,GH2OC
                WRITE(3,*)' TSTBD(I,K)' ,'  TSTIMP(I,K)'

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                      C
C               INTERFACE SOIL PROFILE PROPERTIES - FILE 2             C
C                                                                      C
C       ***********************************************************    C
C           *MODEL*   =     *EXPERIMENT*   X    CONVERSION FACTOR      C
C       ____(VAR.NAME)_____(var.NAME)_____(must be checked)_     C
C       ***********************************************************    C
C                                                                      C
C                     =    INRIM(I)                                    C
C                     =    GH2OC(I)                                    C
C                                                                      C
C       ***********************************************************    C
C                                                                      C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC


                DO 131 K=1,INRIM
                    READ(12,*)TSTBD ,TSTIMP

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                      C
C               INTERFACE SOIL PROFILE PROPERTIES - FILE 2             C
C                                                                      C
C       ***********************************************************    C
C           *MODEL*   =     *EXPERIMENT*   X    CONVERSION FACTOR      C
C       ____(VAR.NAME)_____(var.NAME)_____(must be checked)_     C
C       ***********************************************************    C
C                                                                      C
C                     =    TSTBD(I,K)                                  C
```

```
C                        =  TSTIMP(I,K)                                    C
C                                                                          C
C      ********************************************************            C
C                                                                          C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

                 WRITE(3,'(F7.2,4X,F7.2)')TSTBD ,TSTIMP
 131          CONTINUE
              WRITE(3,*)
 129      CONTINUE
          WRITE(3,'(A8,/,A45,/,8X,A25)')'FILE 2=
     #    ',FILE2,'WAS PROCESSED CORRECTLY'




C==================================================================================
      C                  (ONE LINE FILE)
   C
C==================================================================================



          PRINT*,'READING FILE 4 '
          WRITE(3,'(//,A50)')'********FILE 4*********************
     #    '
          WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
     #    ',' THE SOIL RESIDUE =  FILE 4
     #    ',FILE4
     #    ,'*******************************************
     #    '
          IER=0
 119      IER=IER+1
          IF (IER.EQ.2) THEN
              WRITE(3,*)'ERROR READING FILE 4',FILE4
              WRITE(6,*)'ERROR READING FILE 4',FILE4
              STOP
          ENDIF
          READ(14,141,ERR=119) INSTS,SITES,YEAR,EXPTNO
     #    ,TRTNO,STRAW,SDEP,SCN,ROOT
          WRITE(3,*)'INSTS/'
          WRITE(3,*)'SITES/'
          WRITE(3,*)' YEAR EXPTNO TRTNO STRAW SDEP   SCN   ROOT'
          WRITE(3,142) INSTS,SITES,YEAR,EXPTNO
     #    ,TRTNO,STRAW,SDEP,SCN,ROOT
 141      FORMAT(2(A2),2(I2),1X,I2,4(1X,F5.0))
 142      FORMAT(2(A2),2(I2),6X,I2,3X,F6.1,1X,F4.1,1X,F5.1,1X,F6.1)

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                          C
C             INTERFACE ORGANIC RESIDUE - FILE 4                           C
C                                                                          C
C      **********************************************************          C
C          *MODEL*  =      *EXPERIMENT*   X    CONVERSION FACTOR           C
```

```
C      _____(VAR.NAME)_____(var.NAME)_____(must be checked)_      C
C      ********************************************************************      C
C                                                                      C
C                              =    INSTS                              C
C                              =    SITES                              C
C                              =    YEAR                               C
C                              =    EXPTNO                             C
C                              =    TRTNO                              C
C                              =    STRAW                              C
C                                                                      C
C                              =    SDEP                               C
C                              =    SCN                                C
C                              =    ROOT                               C
C                                                                      C
C      ********************************************************************      C
C                                                                      C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

       WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE 4=
     #  ',FILE4,'WAS PROCESSED CORRECTLY'




C=============================================================================
       C             FILE 5 FOLLOWS,'SOIL PROFILE INITIAL CONDITIONS'
C=============================================================================



       WRITE(3,'(//,A50)')'********FILE 5*********************
     #  '
       WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
     #  ','SOIL PROFILE INITIAL CONDITIONS =   FILE 5
     #  ',FILE5
     #  , '*******************************************
     #  '
       PRINT*,'READING FILE 5'
       READ(15,151)TRTNO,INSTS,SITES,YEAR,EXPTNO
       WRITE(3,*)'TRTNO INSTS/SITES/YEAR EXPTNO'
       WRITE(3,151)TRTNO,INSTS,SITES,YEAR,EXPTNO
       WRITE(3,*)
 151   FORMAT(I2,1X,2A2,2I2)

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                      C
C             INTERFACE SOIL PROFILE INITIAL CONDITIONS - FILE 5       C
C                                                                      C
C                                                                      C
C      ********************************************************************      C
C         *MODEL*   =     *EXPERIMENT*   X    CONVERSION FACTOR        C
C      _____(VAR.NAME)_____(var.NAME)_____(must be checked)_    C
C      ********************************************************************      C
C                              =    TRTNO                              C
```

```
C                                 =      INSTS                          C
C                                 =      SITES                          C
C                                 =      YEAR                           C
C                                 =      EXPTNO                         C
C          ***************************************************          C
C                                                                       C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

           WRITE(3,'(5A10)')'DLAYR','SW','NH4','NO3','PH'

           DO 52 I=1,30
                READ(15,152,ERR=159,END=160)DLAYR,SW,NH4,NO3,PH
                IF (INT(DLAYR).NE.-1) THEN
                     WRITE(3,'(5F10.3)')DLAYR,SW,NH4,NO3,PH
     152             FORMAT(F6.0,1X,F6.3,3(1X,F4.1))

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                       C
C          INTERFACE SOIL PROFILE INITIAL CONDITIONS - FILE 5           C
C                                                                       C
C                                                                       C
C     ***********************************************************       C
C         *MODEL*   =       *EXPERIMENT*   X    CONVERSION FACTOR        C
C       (VAR.NAME)          (var.NAME)          (must be checked)_       C
C     ***********************************************************       C
C                                 =      DLAYR                          C
C                                 =      SW                             C
C                                 =      NH4                            C
C                                 =      NO3                            C
C                                 =      PH                             C
C                                                                       C
C                                                                       C
C     ***********************************************************       C
C                                                                       C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

                ELSE
                     WRITE(3,'(F6.0)')DLAYR
                ENDIF
      52      CONTINUE
     159      WRITE(3,'(A30)') 'ERROR READING FILE 5 ARRAY'
             WRITE(6,'(A30)') 'ERROR READING FILE 5 ARRAY'
             STOP
     160      WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE 5=
     #       ',FILE5,'WAS PROCESSED CORRECTLY'

             WRITE(3,'(//,A50)')'********FILE 6*********************
     #       '
             WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
     #       ',' THE IRRIGATION MANAGEMENT =   FILE 6
     #       ',FILE6
     #       ,'***************************************
     #       '
```

```
      WRITE(3,*)'TRTNO INSTE/SITEE/YEAR EXPTNO'
      PRINT*,'READING FILE 6'
      READ(16,161,ERR=169) TRTNO,INSTE,SITEE,YEAR,EXPTNO
161   FORMAT(I2,1X,2(A2),2(I2))
      WRITE(3,161) TRTNO,INSTE,SITEE,YEAR,EXPTNO
      WRITE(3,*)
      WRITE(3,*)'    AMTIRR    X1IRR        X2IRR'
      WRITE(3,*)'JDIRR  IRRCOD      Z1IRR        Z2IRR'

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
    C
  C
C           INTERFACE OF IRRIGATION MANAGEMENT - FILE 6           C
C                                                                 C
C     ************************************************************ C
C        *MODEL*   =      *EXPERIMENT*   X    CONVERSION FACTOR    C
C     ____(VAR.NAME)_____(var.NAME)_____(must be checked)_  C
C     ************************************************************ C
C                                                                 C
C                    =      TRTNO                                 C
C                    =      INSTE                                 C
C                    =      SITEE                                 C
C                    =      YEAR                                  C
C                    =      EXPTNO                                C
C                                                                 C
C     ************************************************************ C
C                                                                 C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
      DO 168 I=1,200
          READ(16,162,END=170,ERR=169)JDIRR,AMTIRR,IRRCOD,X1IRR
    #     ,Z1IRR,X2IRR,Z2IRR
          IF(JDIRR.GT.0 )THEN
              WRITE(3,162)JDIRR,AMTIRR,IRRCOD,X1IRR
    #         ,Z1IRR,X2IRR,Z2IRR
162           FORMAT(I4,F5.0,I2,4(F6.1))


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                 C
C            INTERFACING OF IRRIGATION MANAGEMENT                 C
C                                                                 C
C     ************************************************************ C

C        *MODEL*   =      *EXPERIMENT*   X    CONVERSION FACTOR    C
C     ____(VAR.NAME)_____(var.NAME)_____(must be checked)_  C
C     ************************************************************ C
C                                                                 C
C                    =      JDIRR                                 C
C                    =      AMTIRR                                C
C                    =      IRRCOD                                C
```

A-115

```
C                      =    X1IRR                                        C
C                      =    Z1IRR                                        C
C                      =    X2IRR                                        C
C                      =    Z2IRR                                        C
C                                                                        C
C       ***********************************************************      C
C                                                                        C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

             ELSE
                IF(JDIRR.EQ.-1) THEN
                     WRITE(3,'(1X,I3)')JDIRR
                ENDIF
             ENDIF
  168     CONTINUE
  169     WRITE(3,'(A30)') 'ERROR READING FILE6 ARRAY'
          WRITE(6,'(A30)') 'ERROR READING FILE6 ARRAY'
          STOP
  170     WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE 6=
      #    ',FILE6,'WAS PROCESSED CORRECTLY'


C===================================================================
    C                      FILE 7 , "FERTILIZER MANAGEMENT"
C===================================================================


          WRITE(3,'(//,A50)')'********FILE 7********************
      #    '
          WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
      #    ',' FERTILIZATION MANAGEMENT =   FILE 7
      #    ',FILE7
      #    ,'*****************************************
      #    '
          WRITE(3,*)'TRTNO INSTE/SITEE/YEAR EXPTNO'
          PRINT*,'READING FILE 7 '
          READ(17,171,ERR=179) TRTNO,INSTE,SITEE,YEAR,EXPTNO
          WRITE(3,171) TRTNO,INSTE,SITEE,YEAR,EXPTNO
  171     FORMAT(I2,1X,2(A2),2(I2))


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                        C
C          INTERFACE OF FERTILIZATION MANAGEMENT - FILE 7                C
C                                                                        C
C     *****************************************************************  C
C         *MODEL*   =    *EXPERIMENT*   X    CONVERSION FACTOR           C
C     ____(VAR.NAME)_____(var.NAME)_____(must be checked)_        C
C     ***************************************************************    C
C                        =         TRTNO                                 C
C                        =         INSTE                                 C
C                        =         SITEE                                 C
C                        =         YEAR                                  C
C                        =         EXPTNO                                C
C                                                                        C
```

```
C     **********************************************************     C
C                                                                    C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

      WRITE(3,*)
      WRITE(3,*)'      FERTN    INTYPE   IPTYPE   IKTYPE   IITYPE   X1F
     #ERT     X2FERT'
      WRITE(3,*)'JDFERT    DFERT    FERTP    FERTK    FERTIN   FERCOD
     #  Z1FERT        Z2FERT'

      DO 178 I=1,200
           READ(17,172,END=180,ERR=179)JDFERT,FERTN,DFERT,INTYPE,FERTP
     #     ,IPTYPE,FERTK,IKTYPE,FERTIN,IITYPE,FERCOD,X1FERT,Z1FERT
     #     ,X2FERT,Z2FERT
  172      FORMAT(1X,I3,F6.1,4(F6.1,I3),I3,4(F6.1))
           IF(JDFERT.NE.-1) THEN
                WRITE(3,172)JDFERT,FERTN,DFERT,INTYPE,FERTP
     #          ,IPTYPE,FERTK,IKTYPE,FERTIN,IITYPE,FERCOD
     #          ,X1FERT,Z1FERT,X2FERT,Z2FERT

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                    C
C          INTERFACE OF FERTILIZATION MANAGEMENT - FILE 7            C
C                                                                    C
C     **********************************************************     C
C          *MODEL*   =    *EXPERIMENT*   X    CONVERSION FACTOR      C
C      ____(VAR.NAME)_____(var.NAME)_____(must be checked)_    C
C     **********************************************************     C
C                                                                    C
C                        =    JDFERT                                 C
C                        =    FERTN                                  C
C                        =    DFERT                                  C
C                        =    INTYPE                                 C
C                        =    FERTP                                  C
C                        =    IPTYPE                                 C
C                        =    FERTK                                  C
C                        =    IKTYPE                                 C
C                        =    FERTIN                                 C
C                        =    IITYPE                                 C
C                        =    FERCOD                                 C
C                        =    X1FERT                                 C
C                        =    Z1FERT                                 C
C                        =    X2FERT                                 C

C                        =    Z2FERT                                 C
C                                                                    C
C     **********************************************************     C
C                                                                    C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

           ELSE
                WRITE(3,'(1X,I3)')JDFERT
```

```
          ENDIF
178       CONTINUE
179       WRITE(3,'(A30)') 'ERROR READING FILE 7 ARRAY'
          WRITE(6,'(A30)') 'ERROR READING FILE 7 ARRAY'
          STOP
180       WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE 7=
      #   ',FILE7,'WAS PROCESSED CORRECTLY'


C================================================================================
      C                         FILE 8    TREATMENT MANAGEMENT


C================================================================================

          WRITE(3,'(//,A50)')'********FILE 8********************
      #   '
          WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
      #'  ,' THE TREATMENT MANAGEMENT =   FILE 8
      #'  ,FILE8
      #,  '*******************************************
      #'
          WRITE(3,*)'INSTE/'
          WRITE(3,*)'SITEE/   TRTNO'
          WRITE(3,*)'YEAR   EXPTNO                     TITLET          ISO
      #ILT IVARTY'
          PRINT*,'READING FILE 8 '
          READ(18,181)INSTE, SITEE, YEAR, EXPTNO, TRTNO
      #   ,TITLET, ISOILT, IVARTY
          WRITE(3,181)INSTE, SITEE, YEAR, EXPTNO, TRTNO
      #   ,TITLET, ISOILT, IVARTY
          WRITE(3,*)
181       FORMAT(2(A2),2(I2),1X,I2,1X,A40,2(1X,I4))

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                    C
C          INTERFACE OF TREATMENT MANAGEMENT - FILE 8                C
C                                                                    C
C     ****************************************************************C
C         *MODEL*  =     *EXPERIMENT*   X    CONVERSION FACTOR        C
C     ____(VAR.NAME)_____(var.NAME)_____(must be checked)_      C
C     *****************************************************************C
C                                                                    C
C                                                                    C
C                       =    INSTE                                   C
C                       =    SITEE                                   C
C                       =    YEAR                                    C
C                       =    EXPTNO                                  C
C                       =    TRTNO                                   C
C                       =    TITLET                                  C
C                       =    ISOILT                                  C
C                       =    IVARTY                                  C
C                                                                    C
```

```
C      ************************************************************      C
C                                                                       C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

       READ(18,182)ISIM,ISOW,PLANTS,ROWSPC,SDEPTH
     #, IIRR,ISWNIT,EFFIRR,DSOIL,THETAC,IMERGE,ISWEED,ISWINS
     #, ISWNEM,ISWDIS
       WRITE(3,*)'    ISOW        ROWSPC    IIRR     EFFIRR      THETAC
     #   ISWEED  ISWNEM '
       WRITE(3,*)'ISIM    PLANTS       SDEPTH   ISWNIT      DSOIL      IM
     #ERGE    ISWINS  ISWDIS'
       WRITE(3,183)ISIM,ISOW,PLANTS,ROWSPC,SDEPTH
     #, IIRR,ISWNIT,EFFIRR,DSOIL,THETAC,IMERGE,ISWEED,ISWINS
     #, ISWNEM,ISWDIS


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                       C
C          INTERFACE OF TREATMENT MANAGEMENT - FILE 8                   C
C                                                                       C
C      ************************************************************     C
C        *MODEL*   =    *EXPERIMENT*   X    CONVERSION FACTOR           C
C      ____(VAR.NAME)_____(var.NAME)_____(must be checked)_       C
C      ************************************************************     C
C                                                                       C
C                           =    ISIM                                   C
C                           =    ISOW                                   C
C                           =    PLANTS                                 C
C                           =    ROWSPC                                 C
C                           =    SDEPTH                                 C
C                           =    IIRR                                   C
C                           =    ISWNIT                                 C
C                           =    EFFIRR                                 C
C                           =    DSOIL                                  C
C                           =    THETAC                                 C
C                           =    IMERGE                                 C
C                           =    ISWEED                                 C
C                           =    ISWINS                                 C
C                           =    ISWNEM                                 C
C                           =    ISWDIS                                 C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

  182   FORMAT(1X,I3,1X,I3,1X,F6.2,1X,F6.3,1X,F5.2,2(1X,I2)
     #, 1X,F6.2,1X,F5.2,1X,F6.2,1X,I3,4(1X,I2))
  183   FORMAT(1X,I3,1X,I3,1X,F6.2,1X,F6.3,1X,F5.2,2(1X,I2)
     #, F6.2,1X,F5.2,F6.2,1X,I3,4(2X,I2))
       READ(18,'(A76)')HISTRY
       WRITE(3,*)
       WRITE(3,*)'  HISTORY '
       WRITE(3,'(A76)')HISTRY


CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                       C
```

```
C            INTERFACE OF TREATMENT MANAGEMENT - FILE 8                  C
C                                                                        C
C       *********************************************************        C
C          *MODEL*  =      *EXPERIMENT*  X     CONVERSION FACTOR         C
C       ____(VAR.NAME)_____(var.NAME)_____(must be checked)_      C
C       *********************************************************        C
C                    =       HISTRY                                      C
C                                                                        C
C       ***************************************************              C
C                                                                        C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

        WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE 8=
     #  ',FILE8,'WAS PROCESSED CORRECTLY'

        CALL VALFAB(FILEA,FILEB)
        RETURN
        END



CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C                                                                        C
C   SUBROUTINE VALFAB - THIS ROUTINE IS USED TO READ THE                 C
C                       VALIDATION DATA, FILES A AND B                    C
C                                                                        C
C                     - CALLED BY 'READDA'                               C
C                                                                        C
C                     - CALLS NO OTHER SUBROUTINEDS                      C
C                                                                        C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

        SUBROUTINE VALFAB(FILEA,FILEB)
        REAL JNNODM,JNSQRM,JNFLWM,JNGBLM,JNMBLM,JNABSM
        INTEGER YEAR,EXPTNO,TRTNO
        CHARACTER INSTE*2,SITEE*2,FILEB*45,FILEA*45,LABELB*7
        DIMENSION JDOYA(100), NV(16),RVDATA(16,100),RV(16)
     #, XPLTHT(100) , XLAI(100) , JNNODM(100) , JNSQRM (100)
     #, JNFLWM (100), JNGBLM (100) , JNMBLM (100) , JNABSM (100)
     #, XWLEFH(100), XWSTMH (100) , XWROTH (100)
     #, XWGBLH (100) , XWMBLH (100) , XWLINT (100)
     #, XWSEED (100) , XWBURR (100)
     #, LABELB(16)

C=======================================================================
        C                   PROCESS VALIDATION DATA - FILE A

C=======================================================================

        OPEN (19,FILE = FILEA)
        WRITE(3,'(//,A50)')'********FILE A********************
     #  '
        WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
```

```fortran
      #   ',' MEASURED HARVEST DATA =   FILE A
      #   ',FILEA
      #   ,'*************************************
      #   '
          WRITE(3,*)'INSTE/'
          WRITE(3,*)'SITEE/'
          WRITE(3,*)'YEAR EXPTNO  XLTYLD         XSDWT          XSPB
      # XBIOM'
          WRITE(3,*)'           TRTNO       XSDYLD        XBLSM    XLAIMX
      #       XSTMBR  '
          PRINT*,'READING FILE A '
          READ(19,191)INSTE, SITEE, YEAR, EXPTNO, TRTNO
      #   ,XLTYLD ,XSDYLD,XSDWT,XBLSM,XSPB, XLAIMX,XBIOM ,XSTMBR
          WRITE(3,191)INSTE, SITEE, YEAR, EXPTNO, TRTNO
      #   ,XLTYLD ,XSDYLD,XSDWT,XBLSM,XSPB, XLAIMX,XBIOM ,XSTMBR
  191     FORMAT(2(A2),2(I2),1X,I2,2(1X,F7.0),1X,F7.4,1X,F6.0
      #   ,1X,F4.0,1X,F5.2,2(1X,F6.0))
          READ(19,'(F6.2,3(1X,F5.1))')XSDTN,XTOTNP,XAPTNP,XSDN
          WRITE(3,*)
          WRITE(3,*)'XSDTN XTOTNP XAPTNP XSDN'
          WRITE(3,'(F6.2,3F6.1)')XSDTN,XTOTNP,XAPTNP,XSDN
          WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE A=
      #   ',FILEA,'WAS PROCESSED CORRECTLY'



C=====================================================================
C                          FILE B FOLLOWS
C=====================================================================

          OPEN(20,FILE=FILEB)
          WRITE(3,'(///,A50)')'********FILE B*********************
      #   '
          WRITE(3,'(A50)')' THE FOLLOWING WILL BE FROM
      #   ',' MEASURED INTERMEDIATE GROWTH =   FILE B
      #   ',FILEB
      #   ,'*****************************************
      #   '
          PRINT*,'READING FILE B '

C=====================================================================
C                  INITIALIZE ARRAYS FOR UP TO 100 ROWS OF DATA
C=====================================================================

          DO 129 I=1,16
             DO 131 J=1,100
                 NV(I)=0
                 RVDATA(I,J)=0.0
                 RV(I)=0.0
                 JDOYA(J)=0
```

```
131         CONTINUE
129    CONTINUE

       READ(20,323,ERR=209)INSTE,SITEE,YEAR,EXPTNO
   #    ,TRTNO,JEMRGD,JSQRJD,JFLRJD
       WRITE(3,*)'INSTE/'
       WRITE(3,*)'SITEE/'
       WRITE(3,*)'YEAR EXPTNO TRTNO JEMRGD JSQRJD JFLRJD'
       WRITE(3,324)INSTE,SITEE,YEAR,EXPTNO
   #    ,TRTNO,JEMRGD,JSQRJD,JFLRJD
323    FORMAT(2(A2),2(I2),1X,I2,3(2X,I3))
324    FORMAT(2(A2),2(I2),6X,I2,5X,I3,4X,I3,3X,I3)
       READ(20,*,ERR=209)NOVAR,(NV(I),I=1,NOVAR)
       WRITE(3,'(/,A10)')'   NOVAR'
       WRITE(3,'(17I3)')NOVAR,(NV(I),I=1,NOVAR)


C===============================================================
C                   LOADING LARGE ARRAY
C===============================================================


       DO 908 ICOUNT=1,100
           READ(20,*,ERR=209,END=488)JDOYA(ICOUNT),(RV(I),I=1,NOVAR)
           IF(JDOYA(ICOUNT).NE.-1)THEN
               DO 888 J=1,NOVAR
                   RVDATA(ICOUNT,J)=RV(J)
888            CONTINUE
           ELSE
               IF(ICOUNT.EQ.1)THEN
                   WRITE(3,*)'-1 '
                   WRITE(3,*)'NO VALIDATION DATA '
                   GOTO 434
               ENDIF
               IROW=ICOUNT-1
           ENDIF
908    CONTINUE

209    WRITE(3,*)'ERROR IN READING  FILE B'
       WRITE(6,*)'ERROR IN READING  FILE B'
       STOP

C===============================================================C
   C    INITIALIZE INDIVIDUAL ARRAYS FOR EACH STATE VARIABLE
   C                                                             C
C===============================================================C

488    IROW=ICOUNT-1
       DO 139 I=1,NOVAR
           DO 141 J=1,IROW
               LABELB (I)='EMPTY'
               XPLTHT(J)=0.0
               XLAI(J)=0.0
```

```
                      JNNODM(J)=0.0
                      JNSQRM (J)=0.0
                      JNFLWM (J)=0.0
                      JNGBLM (J)=0.0
                      JNMBLM (J)=0.0
                      JNABSM (J)=0.0
                      XWLEFH(J)=0.0
                      XWSTMH (J)=0.0
                      XWROTH(J)=0.0
                      XWGBLH (J)=0.0
                      XWMBLH (J)=0.0
                      XWLINT (J) =0.0
                      XWSEED (J)=0.0
                      XWBURR (J)=0.0
      141          CONTINUE
      139     CONTINUE


C=====================================================================
C       LOAD STATE VARIABLE INTO CORRECT 1-DIMENSIONAL ARRAY NAME
C           ALSO ASSIGNING CORRECT HEADER TO  ARRAY 'LABELB'
C=====================================================================

              DO 263 I = 1, NOVAR
                  DO 265 J = 1, IROW
                      IF(NV(I).EQ.1) THEN
                          LABELB(I)='XPLTHT'
                          XPLTHT(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.2) THEN
                          LABELB(I)='XLAI'
                          XLAI(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.3) THEN
                          LABELB(I)='JNNODM'
                          JNNODM(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.4) THEN
                          LABELB(I)='JNSQRM'
                          JNSQRM(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.5) THEN
                          LABELB(I)='JNFLWM'
                          JNFLWM(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.6) THEN
                          LABELB(I)='JNGBLM'
                          JNGBLM(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.7) THEN
                          LABELB(I)='JNMBLM'
                          JNMBLM(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.8) THEN
                          LABELB(I)='JNABSM'
                          JNABSM(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.9) THEN
                          LABELB(I)='XWLEFH'
                          XWLEFH(J) = RVDATA(J,I)
                      ELSEIF (NV(I).EQ.10)THEN
```

```
                        LABELB(I)='XWSTMH'
                        XWSTMH(J) = RVDATA(J,I)
                  ELSEIF (NV(I).EQ.11) THEN
                        LABELB(I)='XWROTH'
                        XWROTH(J) = RVDATA(J,I)
                  ELSEIF (NV(I).EQ.12) THEN
                        LABELB(I)='XWGBLH'
                        XWGBLH(J) = RVDATA(J,I)
                  ELSEIF (NV(I).EQ.13) THEN
                        LABELB(I)='XWMBLH'
                        XWMBLH(J) = RVDATA(J,I)
                  ELSEIF (NV(I).EQ.14) THEN
                        LABELB(I)='XWLINT'
                        XWLINT(J) = RVDATA(J,I)
                  ELSEIF (NV(I).EQ.15) THEN
                        LABELB(I)='XWSEED'
                        XWSEED(J) = RVDATA(J,I)
                  ELSEIF (NV(I).EQ.16) THEN
                        LABELB(I)='XWBURR'
                        XWBURR(J) = RVDATA(J,I)
                  ELSE
                        WRITE(3,*)'ERROR IN INDEXING OF STATE VARIABLES'
                        WRITE(6,*)'ERROR IN INDEXING OF STATE VARIABLES'
                        STOP
                  ENDIF
265            CONTINUE
263      CONTINUE

C===========================================================================
C          THIS WRITES-OUT HEADERS FOR INDEXED STATE VARIABLE.

C          HEADERS NOT USED WILL BE 'EMPTY' IN PRINT-OUT.
C===========================================================================

         IF (NOVAR.LE.8) THEN
               WRITE(3,*)
               WRITE(3,'(A4,8(A8))')'JDOY',(LABELB(I),I=1,NOVAR)
               DO 99 J=1,IROW
                   WRITE(3,'(I3,8(F8.2))')JDOYA(J),(RVDATA(J,L),L=1,NOVAR)
99             CONTINUE
               WRITE(3,'(I3)')JDOYA(ICOUNT)
         ELSE
               WRITE(3,*)
               WRITE(3,'(A4,8(A8))')'JDOY',(LABELB(I),I=1,8)
               DO 599 J=1,IROW
                   WRITE(3,'(I3,8(F8.2))')JDOYA(J),(RVDATA(J,L),L=1,8)
599            CONTINUE
               WRITE(3,'(I3)')JDOYA(ICOUNT)
               WRITE(3,*)
               WRITE(3,'(A4,8(A8))')'JDOY',(LABELB(I),I=9,NOVAR)
               DO 699 J=1,IROW
                   WRITE(3,'(I3,8(F8.2))')JDOYA(J),(RVDATA(J,L),L=9,NOVAR)
```

```
699         CONTINUE
       ENDIF

434    WRITE(3,'(/,A8,/,A45,/,8X,A25)')'FILE B=
   #    ',FILEB,'WAS PROCESSED CORRECTLY'
       RETURN
       END
```

1983 DATA

EXPID , EXPERIMENT DESCRIPTION,   WEATHER FILE, SOIL FILE,
SOIL NITR., INITIAL SOIL, IRRIGATION, NITR. FERT, CROP MANAGMENT, GENETICS,
FINAL HARVEST, INTER GROWTH, OUTPUT 1, OUTPUT 2, OUTPUT 3, OUTPUT 4

PX4A8301 1983, CO2=NO CHAMBER,REP=1   PX4A0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX4A8301.CT8 GENETICS.CT9
PX4A8301.CTA PX4A8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX2C8301 1983, CO2=NO CHAMBER,REP=2   PX2C0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX2C8301.CT8 GENETICS.CT9
PX2C8301.CTA PX2C8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX4B8301 1983, CO2=AMBIENT,REP=1   PX4B0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX4B8301.CT8 GENETICS.CT9
PX4B8301.CTA PX4B8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX4L8301 1983, CO2=AMBIENT,REP=1,LYSIMETER   PX4B0605.W83 AVONLYSM.CT2
PX4A8301.CT4 PX4L8301.CT5 PX4L8301.CT6 PX4A8301.CT7 PX4B8301.CT8 GENETICS.CT9
PX4L8301.CTA PX4L8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX3C8301 1983, CO2=AMBIENT,REP=2   PX3C0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX3C8301.CT8 GENETICS.CT9
PX3C8301.CTA PX3C8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX3B8301 1983, CO2= 500,REP=1   PX3B0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX3B8301.CT8 GENETICS.CT9
PX3B8301.CTA PX3B8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX3L8301 1983, CO2= 500,REP=1,LYSIMETER   PX3B0605.W83 AVONLYSM.CT2
PX4A8301.CT4 PX4L8301.CT5 PX3L8301.CT6 PX4A8301.CT7 PX3B8301.CT8 GENETICS.CT9
PX3L8301.CTA PX3L8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX4C8301 1983, CO2= 500,REP=2   PX4C0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX4C8301.CT8 GENETICS.CT9
PX4C8301.CTA PX4C8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX2B8301 1983, CO2= 650,REP=1   PX2B0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX2B8301.CT8 GENETICS.CT9
PX2B8301.CTA PX2B8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX2L8301 1983, CO2= 650,REP=1,LYSIMETER   PX2B0605.W83 AVONLYSM.CT2
PX4A8301.CT4 PX4L8301.CT5 PX2L8301.CT6 PX4A8301.CT7 PX2B8301.CT8 GENETICS.CT9
PX2L8301.CTA PX2L8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX3A8301 1983, CO2= 650,REP=2   PX3A0605.W83 AVONDALE.CT2
PX4A8301.CT4 PX4A8301.CT5 PX4A8301.CT6 PX4A8301.CT7 PX3A8301.CT8 GENETICS.CT9
PX3A8301.CTA PX3A8301.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

FILENAME: WTH83.DIR   WEATHER FILE DIRECTORY FOR 1983

WTHID	WEATHER STATION DESCRIPTION	BEGDATE	ENDDATE	WEATHER FILE
PX4A	PHOENIX,AZ,CO2=NO CHAMBER,REP=1	06/01/83	10/26/83	PX4A0605.W83
PX2C	PHOENIX,AZ,CO2=NO CHAMBER,REP=2	06/01/83	10/26/83	PX2C0605.W83
PX4B	PHOENIX,AZ,CO2=AMBIENT,REP=1	06/01/83	10/26/83	PX4B0605.W83
PX3C	PHOENIX,AZ,CO2=AMBIENT,REP=2	06/01/83	10/26/83	PX3C0605.W83
PX3B	PHOENIX,AZ,CO2= 500,REP=1	06/01/83	10/26/83	PX3B0605.W83
PX4C	PHOENIX,AZ,CO2= 500,REP=2	06/01/83	10/26/83	PX4C0605.W83
PX2B	PHOENIX,AZ,CO2= 650,REP=1	06/01/83	10/26/83	PX2B0605.W83
PX3A	PHOENIX,AZ,CO2= 650,REP=2	06/01/83	10/26/83	PX3A0605.W83

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX4A	33.40	112.00	2.30	0	1	1	0	1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4A	83 152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX4A	83 153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX4A	83 154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX4A	83 155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX4A	83 156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX4A	83 157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX4A	83 158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX4A	83 159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX4A	83 160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX4A	83 161	29.08	36.3	20.6	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX4A	83 162	28.93	36.8	21.2	0.0	0.00	297.7	3.2	0.0	0.0	350	11-Jun
PX4A	83 163	30.09	33.7	21.8	0.0	0.00	189.2	3.8	0.0	0.0	350	12-Jun
PX4A	83 164	29.84	35.8	19.3	0.0	0.00	127.1	3.4	0.0	0.0	350	13-Jun
PX4A	83 165	30.49	37.3	18.7	0.0	0.00	173.6	4.1	0.0	0.0	350	14-Jun
PX4A	83 166	29.43	37.9	18.7	0.0	0.00	212.4	3.6	0.0	0.0	350	15-Jun
PX4A	83 167	28.92	37.9	22.4	0.0	0.00	173.6	4.1	0.0	0.0	350	16-Jun
PX4A	83 168	29.56	39.4	22.4	0.0	0.00	185.3	3.8	0.0	0.0	350	17-Jun
PX4A	83 169	30.67	38.9	21.8	0.0	0.00	150.4	4.6	0.0	0.0	350	18-Jun
PX4A	83 170	31.22	38.9	21.8	0.0	0.00	239.6	4.5	0.0	0.0	350	19-Jun
PX4A	83 171	30.64	38.4	22.4	0.0	0.00	286.1	5.0	0.0	0.0	350	20-Jun
PX4A	83 172	26.28	38.4	22.4	0.0	0.00	212.4	4.5	0.0	0.0	350	21-Jun
PX4A	83 173	23.64	38.0	21.2	0.0	0.00	127.1	3.8	0.0	0.0	350	22-Jun
PX4A	83 174	20.14	37.2	28.0	0.0	0.00	155.5	3.8	0.0	0.0	350	23-Jun
PX4A	83 175	29.91	38.7	23.2	0.0	0.00	388.8	5.3	0.0	0.0	350	24-Jun
PX4A	83 176	31.17	36.4	19.1	0.0	0.00	224.6	1.7	0.0	0.0	350	25-Jun
PX4A	83 177	30.92	37.3	19.1	0.0	0.00	259.2	3.8	0.0	0.0	350	26-Jun
PX4A	83 178	30.17	35.6	18.4	0.0	0.00	207.4	3.8	0.0	0.0	350	27-Jun
PX4A	83 179	28.51	36.0	18.4	0.0	0.00	146.9	3.8	0.0	0.0	350	28-Jun
PX4A	83 180	30.14	38.1	18.8	0.0	0.00	164.2	1.7	0.0	0.0	350	29-Jun
PX4A	83 181	29.39	38.8	20.1	0.0	0.00	207.4	1.1	0.0	0.0	350	30-Jun
PX4A	83 182	30.30	38.8	22.8	0.0	0.00	267.8	3.6	0.0	0.0	350	01-Jul
PX4A	83 183	29.81	38.1	20.2	0.0	0.00	172.8	2.7	0.0	0.0	350	02-Jul
PX4A	83 184	30.01	37.3	19.5	0.0	0.00	125.3	3.0	0.0	0.0	350	03-Jul
PX4A	83 185	30.21	40.9	22.5	0.0	0.00	133.9	5.9	0.0	0.0	350	04-Jul
PX4A	83 186	29.68	44.1	22.6	0.0	0.00	198.7	5.0	0.0	0.0	350	05-Jul
PX4A	83 187	28.64	41.9	28.9	0.0	0.00	259.2	10.0	0.0	0.0	350	06-Jul
PX4A	83 188	23.90	38.5	28.9	1.0	0.00	302.4	14.4	0.0	0.0	350	07-Jul
PX4A	83 189	20.58	37.1	25.7	0.0	0.00	95.0	17.5	0.0	0.0	350	08-Jul
PX4A	83 190	19.74	35.5	27.1	0.0	0.00	155.5	17.5	0.0	0.0	350	09-Jul
PX4A	83 191	27.89	40.0	26.4	0.0	0.00	241.9	15.0	0.0	0.0	350	10-Jul
PX4A	83 192	28.64	39.7	25.8	0.0	0.00	164.1	13.9	0.0	0.0	350	11-Jul
PX4A	83 193	27.75	40.6	27.8	0.0	0.00	203.0	12.7	0.0	0.0	350	12-Jul
PX4A	83 194	28.73	41.0	27.1	0.0	0.00	241.9	11.5	0.0	0.0	350	13-Jul
PX4A	83 195	28.06	40.9	28.3	0.0	0.00	337.0	12.1	0.0	0.0	350	14-Jul
PX4A	83 196	28.07	40.3	27.3	0.0	0.00	337.0	13.0	0.0	0.0	350	15-Jul
PX4A	83 197	29.80	39.9	24.8	0.0	0.00	354.2	8.5	0.0	0.0	350	16-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4A	83	198	28.33	40.4	22.2	0.0	0.00	233.3	3.2	0.0	0.0	350	17-Jul
PX4A	83	199	28.47	40.9	23.7	0.0	0.00	190.1	3.9	0.0	0.0	350	18-Jul
PX4A	83	200	26.10	40.8	27.5	0.0	0.00	181.4	6.4	0.0	0.0	350	19-Jul
PX4A	83	201	21.09	37.3	30.7	0.0	0.00	259.2	14.8	0.0	0.0	350	20-Jul
PX4A	83	202	10.59	31.9	25.9	0.0	0.00	259.2	19.0	0.0	0.0	350	21-Jul
PX4A	83	203	16.80	32.5	26.3	0.0	0.00	337.0	19.3	0.0	0.0	350	22-Jul
PX4A	83	204	27.29	38.2	26.6	0.0	0.00	250.6	19.3	0.0	0.0	350	23-Jul
PX4A	83	205	25.30	39.2	28.0	0.0	0.00	267.8	18.7	0.0	0.0	350	24-Jul
PX4A	83	206	25.69	39.8	28.5	0.0	0.00	267.8	17.1	0.0	0.0	350	25-Jul
PX4A	83	207	13.05	40.9	27.2	0.0	0.00	259.2	14.1	0.0	0.0	350	26-Jul
PX4A	83	208	27.92	38.8	27.7	0.0	0.00	423.4	15.6	0.0	0.0	350	27-Jul
PX4A	83	209	26.41	37.6	26.3	0.0	0.00	224.6	16.4	0.0	0.0	350	28-Jul
PX4A	83	210	24.81	38.5	27.2	0.0	0.00	362.9	16.7	0.0	0.0	350	29-Jul
PX4A	83	211	26.28	38.5	26.8	1.0	0.00	250.6	17.6	0.0	0.0	350	30-Jul
PX4A	83	212	27.08	39.4	27.4	0.0	0.00	259.2	17.3	0.0	0.0	350	31-Jul
PX4A	83	213	23.51	39.1	28.2	0.0	0.00	311.0	19.2	0.0	0.0	350	01-Aug
PX4A	83	214	26.90	38.9	27.4	0.0	0.00	181.4	20.5	0.0	0.0	350	02-Aug
PX4A	83	215	26.71	40.9	28.8	0.0	0.00	337.0	24.1	0.0	0.0	350	03-Aug
PX4A	83	216	22.57	37.0	26.3	0.0	0.00	362.9	18.8	0.0	0.0	350	04-Aug
PX4A	83	217	24.16	40.7	26.8	0.0	0.00	198.7	17.8	0.0	0.0	350	05-Aug
PX4A	83	218	26.46	39.8	26.9	0.0	0.00	224.6	17.7	0.0	0.0	350	06-Aug
PX4A	83	219	23.62	38.6	25.6	17.0	0.00	311.0	19.3	0.0	0.0	350	07-Aug
PX4A	83	220	17.62	36.9	25.6	1.0	0.00	285.1	20.8	0.0	0.0	350	08-Aug
PX4A	83	221	20.01	33.2	22.2	12.0	0.00	233.3	21.8	0.0	0.0	350	09-Aug
PX4A	83	222	23.54	34.2	21.9	0.0	0.00	198.7	24.0	0.0	0.0	350	10-Aug
PX4A	83	223	24.90	34.7	23.8	0.0	0.00	276.5	23.5	0.0	0.0	350	11-Aug
PX4A	83	224	26.61	37.5	21.7	0.0	0.00	121.0	19.4	0.0	0.0	350	12-Aug
PX4A	83	225	26.70	41.5	24.7	0.0	0.00	230.6	20.2	0.0	0.0	350	13-Aug
PX4A	83	226	25.98	40.3	24.9	2.0	0.00	311.0	23.8	0.0	0.0	350	14-Aug
PX4A	83	227	25.69	38.3	24.2	1.0	0.00	250.6	22.4	0.0	0.0	350	15-Aug
PX4A	83	228	22.54	36.9	23.2	0.0	0.00	233.3	23.4	0.0	0.0	350	16-Aug
PX4A	83	229	8.45	27.9	22.1	36.0	0.00	267.8	22.3	0.0	0.0	350	17-Aug
PX4A	83	230	20.46	33.9	21.2	3.0	0.00	198.7	21.8	0.0	0.0	350	18-Aug
PX4A	83	231	24.50	34.6	22.4	1.0	0.00	172.8	21.5	0.0	0.0	350	19-Aug
PX4A	83	232	25.45	35.7	20.8	0.0	0.00	198.7	21.9	0.0	0.0	350	20-Aug
PX4A	83	233	26.12	35.6	21.9	0.0	0.00	172.8	20.6	0.0	0.0	350	21-Aug
PX4A	83	234	26.04	35.0	20.1	0.0	0.00	146.8	14.2	0.0	0.0	350	22-Aug
PX4A	83	235	25.24	36.4	21.0	0.0	0.00	155.5	13.9	0.0	0.0	350	23-Aug
PX4A	83	236	24.89	37.2	23.2	0.0	0.00	172.8	16.5	0.0	0.0	350	24-Aug
PX4A	83	237	25.19	37.4	20.9	0.0	0.00	103.7	13.2	0.0	0.0	350	25-Aug
PX4A	83	238	24.62	39.0	24.4	0.0	0.00	146.9	14.1	0.0	0.0	350	26-Aug
PX4A	83	239	24.50	38.2	25.8	0.0	0.00	198.2	15.2	0.0	0.0	350	27-Aug
PX4A	83	240	14.03	35.6	28.1	0.0	0.00	164.2	16.8	0.0	0.0	350	28-Aug
PX4A	83	241	22.66	36.8	28.2	0.0	0.00	181.4	16.9	0.0	0.0	350	29-Aug
PX4A	83	242	23.32	38.1	26.6	0.0	0.00	129.6	17.3	0.0	0.0	350	30-Aug
PX4A	83	243	23.07	40.5	26.1	0.0	0.00	190.1	21.7	0.0	0.0	350	31-Aug
PX4A	83	244	23.01	39.0	27.7	0.0	0.00	207.4	22.6	0.0	0.0	350	01-Sep
PX4A	83	245	22.79	40.2	27.2	0.0	0.00	129.6	21.2	0.0	0.0	350	02-Sep
PX4A	83	246	23.00	40.2	27.5	0.0	0.00	129.6	26.0	0.0	0.0	350	03-Sep
PX4A	83	247	23.68	40.5	24.0	0.0	0.00	207.4	18.9	0.0	0.0	350	04-Sep
PX4A	83	248	23.71	37.9	24.6	0.0	0.00	146.9	20.7	0.0	0.0	350	05-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4A	83	249	23.96	37.4	26.9	0.0	0.00	259.2	20.8	0.0	0.0	350	06-Sep
PX4A	83	250	22.53	35.4	24.4	0.0	0.00	146.9	18.4	0.0	0.0	350	07-Sep
PX4A	83	251	22.00	39.6	24.5	0.0	0.00	121.0	17.7	0.0	0.0	350	08-Sep
PX4A	83	252	21.89	38.4	25.9	0.0	0.00	112.3	17.0	0.0	0.0	350	09-Sep
PX4A	83	253	22.18	38.1	27.5	0.0	0.00	241.9	17.5	0.0	0.0	350	10-Sep
PX4A	83	254	22.17	37.4	26.4	0.0	0.00	250.6	17.7	0.0	0.0	350	11-Sep
PX4A	83	255	21.75	36.7	28.4	0.0	0.00	224.6	18.2	0.0	0.0	350	12-Sep
PX4A	83	256	21.38	37.8	24.8	0.0	0.00	172.8	15.4	0.0	0.0	350	13-Sep
PX4A	83	257	21.25	37.9	26.0	0.0	0.00	216.0	15.8	0.0	0.0	350	14-Sep
PX4A	83	258	20.71	37.3	26.4	0.0	0.00	276.5	17.5	0.0	0.0	350	15-Sep
PX4A	83	259	19.68	35.5	24.4	0.0	0.00	233.3	17.1	0.0	0.0	350	16-Sep
PX4A	83	260	20.60	35.6	24.1	0.0	0.00	164.2	17.3	0.0	0.0	350	17-Sep
PX4A	83	261	19.92	35.6	24.8	0.0	0.00	172.8	18.3	0.0	0.0	350	18-Sep
PX4A	83	262	15.73	34.4	23.7	0.0	0.00	190.1	19.4	0.0	0.0	350	19-Sep
PX4A	83	263	14.79	33.0	23.7	6.0	0.00	138.2	20.1	0.0	0.0	350	20-Sep
PX4A	83	264	21.05	35.6	20.6	0.0	0.00	129.6	15.0	0.0	0.0	350	21-Sep
PX4A	83	265	20.41	36.7	22.3	0.0	0.00	319.7	16.4	0.0	0.0	350	22-Sep
PX4A	83	266	13.83	34.1	20.9	1.0	0.00	267.8	18.2	0.0	0.0	350	23-Sep
PX4A	83	267	19.40	32.0	21.1	1.0	0.00	233.3	18.0	0.0	0.0	350	24-Sep
PX4A	83	268	18.64	34.6	21.2	0.0	0.00	121.0	15.8	0.0	0.0	350	25-Sep
PX4A	83	269	16.38	35.2	21.0	0.0	0.00	181.4	13.9	0.0	0.0	350	26-Sep
PX4A	83	270	20.59	34.0	19.7	0.0	0.00	103.7	14.0	0.0	0.0	350	27-Sep
PX4A	83	271	17.15	34.5	21.5	7.0	0.00	535.7	11.5	0.0	0.0	350	28-Sep
PX4A	83	272	3.17	21.5	17.7	0.0	0.00	432.0	17.0	0.0	0.0	350	29-Sep
PX4A	83	273	13.42	26.5	19.7	37.0	0.00	302.4	17.9	0.0	0.0	350	30-Sep
PX4A	83	274	7.41	20.8	17.1	2.0	0.00	388.8	17.0	0.0	0.0	350	01-Oct
PX4A	83	275	19.15	25.8	16.9	0.0	0.00	121.0	16.4	0.0	0.0	350	02-Oct
PX4A	83	276	19.11	27.3	17.9	0.0	0.00	198.7	17.5	0.0	0.0	350	03-Oct
PX4A	83	277	18.65	29.5	17.5	0.0	0.00	198.7	17.3	0.0	0.0	350	04-Oct
PX4A	83	278	16.50	29.6	18.7	0.0	0.00	198.7	17.3	0.0	0.0	350	05-Oct
PX4A	83	279	18.61	28.9	18.4	0.0	0.00	129.6	16.9	0.0	0.0	350	06-Oct
PX4A	83	280	18.51	31.0	18.2	0.0	0.00	181.4	19.2	0.0	0.0	350	07-Oct
PX4A	83	281	15.63	29.2	20.5	0.0	0.00	198.7	17.6	0.0	0.0	350	08-Oct
PX4A	83	282	18.97	31.1	18.3	0.0	0.00	121.0	16.8	0.0	0.0	350	09-Oct
PX4A	83	283	18.23	31.2	18.0	0.0	0.00	146.9	16.0	0.0	0.0	350	10-Oct
PX4A	83	284	18.68	32.4	16.8	0.0	0.00	121.0	11.6	0.0	0.0	350	11-Oct
PX4A	83	285	19.29	31.3	14.1	0.0	0.00	129.6	6.2	0.0	0.0	350	12-Oct
PX4A	83	286	18.14	30.7	14.6	0.0	0.00	267.8	8.8	0.0	0.0	350	13-Oct
PX4A	83	287	18.01	28.4	17.5	0.0	0.00	233.3	9.8	0.0	0.0	350	14-Oct
PX4A	83	288	17.78	27.2	14.3	0.0	0.00	216.0	9.9	0.0	0.0	350	15-Oct
PX4A	83	289	17.69	28.8	15.9	0.0	0.00	121.0	10.5	0.0	0.0	350	16-Oct
PX4A	83	290	10.61	26.1	16.4	0.0	0.00	497.7	12.9	0.0	0.0	350	17-Oct
PX4A	83	291	16.67	27.2	16.5	0.0	0.00	170.2	14.0	0.0	0.0	350	18-Oct
PX4A	83	292	11.74	26.7	19.7	0.0	0.00	188.4	13.9	0.0	0.0	350	19-Oct
PX4A	83	293	17.00	26.9	16.9	0.0	0.00	166.8	13.0	0.0	0.0	350	20-Oct
PX4A	83	294	17.12	28.2	16.0	0.0	0.00	149.5	13.2	0.0	0.0	350	21-Oct
PX4A	83	295	16.97	29.8	15.8	0.0	0.00	115.8	13.0	0.0	0.0	350	22-Oct
PX4A	83	296	16.82	29.0	16.0	0.0	0.00	182.3	13.7	0.0	0.0	350	23-Oct
PX4A	83	297	12.05	26.8	16.6	0.0	0.00	233.3	13.9	0.0	0.0	350	24-Oct
PX4A	83	298	16.12	27.2	16.8	0.0	0.00	407.8	13.2	0.0	0.0	350	25-Oct
PX4A	83	299	15.50	27.0	16.7	0.0	0.00	300.0	13.1	0.0	0.0	350	26-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓		CO2YR	WINDYR
PX2C	33.40	112.00	2.30	0 1 1 0 1		350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX2C	83 152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX2C	83 153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX2C	83 154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX2C	83 155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX2C	83 156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX2C	83 157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX2C	83 158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX2C	83 159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX2C	83 160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX2C	83 161	29.08	36.7	20.6	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX2C	83 162	28.93	37.2	21.2	0.0	0.00	297.7	3.2	0.0	0.0	350	11-Jun
PX2C	83 163	30.09	34.1	21.9	0.0	0.00	189.2	3.8	0.0	0.0	350	12-Jun
PX2C	83 164	29.84	36.2	19.4	0.0	0.00	127.1	3.4	0.0	0.0	350	13-Jun
PX2C	83 165	30.49	37.7	18.7	0.0	0.00	173.6	4.1	0.0	0.0	350	14-Jun
PX2C	83 166	29.43	38.2	18.7	0.0	0.00	212.4	3.6	0.0	0.0	350	15-Jun
PX2C	83 167	28.92	38.2	22.5	0.0	0.00	173.6	4.1	0.0	0.0	350	16-Jun
PX2C	83 168	29.56	39.7	22.5	0.0	0.00	185.3	3.8	0.0	0.0	350	17-Jun
PX2C	83 169	30.67	39.2	21.9	0.0	0.00	150.4	4.6	0.0	0.0	350	18-Jun
PX2C	83 170	31.22	39.2	21.9	0.0	0.00	239.6	4.5	0.0	0.0	350	19-Jun
PX2C	83 171	30.64	38.7	22.5	0.0	0.00	286.1	5.0	0.0	0.0	350	20-Jun
PX2C	83 172	26.28	38.7	22.5	0.0	0.00	212.4	4.5	0.0	0.0	350	21-Jun
PX2C	83 173	23.60	38.0	21.2	0.0	0.00	127.1	3.8	0.0	0.0	350	22-Jun
PX2C	83 174	20.10	37.5	24.4	0.0	0.00	155.5	3.8	0.0	0.0	350	23-Jun
PX2C	83 175	29.90	39.1	23.5	0.0	0.00	388.8	5.4	0.0	0.0	350	24-Jun
PX2C	83 176	31.10	36.7	19.2	0.0	0.00	224.6	-0.0	0.0	0.0	350	25-Jun
PX2C	83 177	30.90	37.8	20.2	0.0	0.00	259.2	1.5	0.0	0.0	350	26-Jun
PX2C	83 178	30.20	36.0	18.5	0.0	0.00	207.4	3.0	0.0	0.0	350	27-Jun
PX2C	83 179	28.50	38.1	18.8	0.0	0.00	146.9	3.8	0.0	0.0	350	28-Jun
PX2C	83 180	30.14	39.2	18.8	0.0	0.00	164.2	3.8	0.0	0.0	350	29-Jun
PX2C	83 181	29.39	39.2	20.2	0.0	0.00	207.4	5.1	0.0	0.0	350	30-Jun
PX2C	83 182	30.30	39.1	22.8	0.0	0.00	267.8	7.8	0.0	0.0	350	01-Jul
PX2C	83 183	29.81	38.2	20.0	0.0	0.00	172.8	6.8	0.0	0.0	350	02-Jul
PX2C	83 184	30.01	37.2	19.5	0.0	0.00	125.3	3.6	0.0	0.0	350	03-Jul
PX2C	83 185	30.21	40.9	22.5	0.0	0.00	133.9	7.0	0.0	0.0	350	04-Jul
PX2C	83 186	29.68	44.4	22.9	0.0	0.00	198.7	5.8	0.0	0.0	350	05-Jul
PX2C	83 187	28.64	41.9	28.9	0.0	0.00	259.2	10.0	0.0	0.0	350	06-Jul
PX2C	83 188	23.90	38.5	28.9	1.0	0.00	302.4	14.4	0.0	0.0	350	07-Jul
PX2C	83 189	20.58	36.9	25.7	0.0	0.00	95.0	17.4	0.0	0.0	350	08-Jul
PX2C	83 190	19.74	35.2	27.1	0.0	0.00	155.5	17.4	0.0	0.0	350	09-Jul
PX2C	83 191	27.89	40.8	26.4	0.0	0.00	241.9	14.5	0.0	0.0	350	10-Jul
PX2C	83 192	28.64	40.2	25.6	0.0	0.00	164.1	13.5	0.0	0.0	350	11-Jul
PX2C	83 193	27.75	40.6	28.0	0.0	0.00	203.0	12.2	0.0	0.0	350	12-Jul
PX2C	83 194	28.73	41.6	26.9	0.0	0.00	241.9	11.1	0.0	0.0	350	13-Jul
PX2C	83 195	28.06	41.6	28.6	0.0	0.00	337.0	12.3	0.0	0.0	350	14-Jul
PX2C	83 196	28.07	40.9	27.5	0.0	0.00	337.0	13.4	0.0	0.0	350	15-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX2C	83	197	29.80	40.3	25.0	0.0	0.00	354.2	9.0	0.0	0.0	350	16-Jul
PX2C	83	198	28.33	39.9	22.2	0.0	0.00	233.3	3.9	0.0	0.0	350	17-Jul
PX2C	83	199	28.47	41.3	23.8	0.0	0.00	190.1	3.4	0.0	0.0	350	18-Jul
PX2C	83	200	26.10	41.4	27.5	0.0	0.00	181.4	5.6	0.0	0.0	350	19-Jul
PX2C	83	201	21.09	37.8	30.8	0.0	0.00	259.2	14.4	0.0	0.0	350	20-Jul
PX2C	83	202	10.59	32.3	26.0	0.0	0.00	259.2	19.2	0.0	0.0	350	21-Jul
PX2C	83	203	16.80	32.7	26.4	0.0	0.00	337.0	19.8	0.0	0.0	350	22-Jul
PX2C	83	204	27.29	38.2	26.5	0.0	0.00	250.6	20.0	0.0	0.0	350	23-Jul
PX2C	83	205	25.30	39.3	28.1	0.0	0.00	267.8	19.5	0.0	0.0	350	24-Jul
PX2C	83	206	25.69	40.0	28.4	0.0	0.00	267.8	17.5	0.0	0.0	350	25-Jul
PX2C	83	207	13.05	40.2	27.1	0.0	0.00	259.2	14.7	0.0	0.0	350	26-Jul
PX2C	83	208	27.92	38.9	27.8	0.0	0.00	423.4	15.9	0.0	0.0	350	27-Jul
PX2C	83	209	26.41	38.1	26.4	0.0	0.00	224.6	16.4	0.0	0.0	350	28-Jul
PX2C	83	210	24.81	38.5	27.2	0.0	0.00	362.9	18.8	0.0	0.0	350	29-Jul
PX2C	83	211	26.28	39.0	26.8	1.0	0.00	250.6	17.7	0.0	0.0	350	30-Jul
PX2C	83	212	27.08	40.4	27.2	0.0	0.00	259.2	18.7	0.0	0.0	350	31-Jul
PX2C	83	213	23.51	38.9	27.5	0.0	0.00	311.0	19.5	0.0	0.0	350	01-Aug
PX2C	83	214	26.90	39.3	27.3	0.0	0.00	181.4	17.7	0.0	0.0	350	02-Aug
PX2C	83	215	26.71	41.0	29.0	0.0	0.00	337.0	17.9	0.0	0.0	350	03-Aug
PX2C	83	216	22.57	37.2	26.6	0.0	0.00	362.9	18.6	0.0	0.0	350	04-Aug
PX2C	83	217	24.16	41.2	26.7	0.0	0.00	198.7	19.4	0.0	0.0	350	05-Aug
PX2C	83	218	26.46	40.4	27.1	0.0	0.00	224.6	18.5	0.0	0.0	350	06-Aug
PX2C	83	219	23.62	39.2	24.1	17.0	0.00	311.0	19.7	0.0	0.0	350	07-Aug
PX2C	83	220	17.62	36.7	24.1	1.0	0.00	285.1	22.0	0.0	0.0	350	08-Aug
PX2C	83	221	20.01	33.2	22.6	12.0	0.00	233.3	20.5	0.0	0.0	350	09-Aug
PX2C	83	222	23.54	33.3	22.3	0.0	0.00	198.7	21.3	0.0	0.0	350	10-Aug
PX2C	83	223	24.90	35.7	24.5	0.0	0.00	276.5	20.5	0.0	0.0	350	11-Aug
PX2C	83	224	26.61	38.6	24.2	0.0	0.00	121.0	17.4	0.0	0.0	350	12-Aug
PX2C	83	225	26.70	41.3	25.0	0.0	0.00	230.6	17.7	0.0	0.0	350	13-Aug
PX2C	83	226	25.98	39.0	25.8	2.0	0.00	311.0	20.0	0.0	0.0	350	14-Aug
PX2C	83	227	25.69	37.4	25.2	1.0	0.00	250.6	20.8	0.0	0.0	350	15-Aug
PX2C	83	228	22.54	35.2	21.2	0.0	0.00	233.3	21.7	0.0	0.0	350	16-Aug
PX2C	83	229	8.45	26.4	21.7	36.0	0.00	267.8	20.8	0.0	0.0	350	17-Aug
PX2C	83	230	20.46	32.4	21.9	3.0	0.00	198.7	21.6	0.0	0.0	350	18-Aug
PX2C	83	231	24.50	32.8	23.4	1.0	0.00	172.8	22.2	0.0	0.0	350	19-Aug
PX2C	83	232	25.45	33.9	22.2	0.0	0.00	198.7	18.1	0.0	0.0	350	20-Aug
PX2C	83	233	26.12	33.8	23.0	0.0	0.00	172.8	16.7	0.0	0.0	350	21-Aug
PX2C	83	234	26.04	34.7	21.7	0.0	0.00	146.8	13.3	0.0	0.0	350	22-Aug
PX2C	83	235	25.24	36.8	21.0	0.0	0.00	155.5	15.8	0.0	0.0	350	23-Aug
PX2C	83	236	24.89	36.9	22.8	0.0	0.00	172.8	19.9	0.0	0.0	350	24-Aug
PX2C	83	237	25.19	37.1	22.7	0.0	0.00	103.7	13.6	0.0	0.0	350	25-Aug
PX2C	83	238	24.62	38.5	24.5	0.0	0.00	146.9	15.8	0.0	0.0	350	26-Aug
PX2C	83	239	24.50	38.8	25.5	0.0	0.00	198.2	17.2	0.0	0.0	350	27-Aug
PX2C	83	240	14.03	36.2	28.1	0.0	0.00	164.2	18.8	0.0	0.0	350	28-Aug
PX2C	83	241	22.66	36.7	28.1	0.0	0.00	181.4	18.5	0.0	0.0	350	29-Aug
PX2C	83	242	23.32	38.8	26.4	0.0	0.00	129.6	18.5	0.0	0.0	350	30-Aug
PX2C	83	243	23.07	39.9	26.2	0.0	0.00	190.1	18.5	0.0	0.0	350	31-Aug
PX2C	83	244	23.01	39.3	27.6	0.0	0.00	207.4	19.5	0.0	0.0	350	01-Sep
PX2C	83	245	22.79	40.2	26.8	0.0	0.00	129.6	19.2	0.0	0.0	350	02-Sep
PX2C	83	246	23.00	40.5	28.7	0.0	0.00	129.6	19.8	0.0	0.0	350	03-Sep
PX2C	83	247	23.68	40.6	25.8	0.0	0.00	207.4	18.1	0.0	0.0	350	04-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX2C	83	248	23.71	36.9	26.3	0.0	0.00	146.9	20.0	0.0	0.0	350	05-Sep
PX2C	83	249	23.96	37.8	27.5	0.0	0.00	259.2	21.1	0.0	0.0	350	06-Sep
PX2C	83	250	22.53	34.7	24.6	0.0	0.00	146.9	18.8	0.0	0.0	350	07-Sep
PX2C	83	251	22.00	39.3	24.4	0.0	0.00	121.0	17.5	0.0	0.0	350	08-Sep
PX2C	83	252	21.89	37.8	25.6	0.0	0.00	112.3	17.3	0.0	0.0	350	09-Sep
PX2C	83	253	22.18	38.7	27.2	0.0	0.00	241.9	17.5	0.0	0.0	350	10-Sep
PX2C	83	254	22.17	37.9	26.3	0.0	0.00	250.6	17.9	0.0	0.0	350	11-Sep
PX2C	83	255	21.75	37.3	28.1	0.0	0.00	224.6	18.2	0.0	0.0	350	12-Sep
PX2C	83	256	21.38	37.3	24.5	0.0	0.00	172.8	17.3	0.0	0.0	350	13-Sep
PX2C	83	257	21.25	38.5	25.7	0.0	0.00	216.0	15.9	0.0	0.0	350	14-Sep
PX2C	83	258	20.71	37.5	26.2	0.0	0.00	276.5	17.7	0.0	0.0	350	15-Sep
PX2C	83	259	19.68	36.1	24.7	0.0	0.00	233.3	17.4	0.0	0.0	350	16-Sep
PX2C	83	260	20.60	36.1	24.2	0.0	0.00	164.2	17.6	0.0	0.0	350	17-Sep
PX2C	83	261	19.92	36.1	24.7	0.0	0.00	172.8	18.7	0.0	0.0	350	18-Sep
PX2C	83	262	15.73	34.6	23.9	0.0	0.00	190.1	19.5	0.0	0.0	350	19-Sep
PX2C	83	263	14.79	32.8	23.7	6.0	0.00	138.2	20.9	0.0	0.0	350	20-Sep
PX2C	83	264	21.05	37.1	19.6	0.0	0.00	129.6	19.9	0.0	0.0	350	21-Sep
PX2C	83	265	20.41	36.7	20.8	0.0	0.00	319.7	19.8	0.0	0.0	350	22-Sep
PX2C	83	266	13.83	33.9	21.0	1.0	0.00	267.8	18.4	0.0	0.0	350	23-Sep
PX2C	83	267	19.40	31.9	21.1	1.0	0.00	233.3	18.4	0.0	0.0	350	24-Sep
PX2C	83	268	18.64	34.7	21.2	0.0	0.00	121.0	15.9	0.0	0.0	350	25-Sep
PX2C	83	269	16.38	35.4	21.1	0.0	0.00	181.4	14.1	0.0	0.0	350	26-Sep
PX2C	83	270	20.59	33.9	19.5	0.0	0.00	103.7	14.1	0.0	0.0	350	27-Sep
PX2C	83	271	17.15	35.0	21.5	7.0	0.00	535.7	16.2	0.0	0.0	350	28-Sep
PX2C	83	272	3.17	21.5	17.5	0.0	0.00	432.0	16.8	0.0	0.0	350	29-Sep
PX2C	83	273	13.42	26.4	19.4	37.0	0.00	302.4	18.0	0.0	0.0	350	30-Sep
PX2C	83	274	7.41	20.9	17.1	2.0	0.00	388.8	17.0	0.0	0.0	350	01-Oct
PX2C	83	275	19.15	25.9	16.7	0.0	0.00	121.0	16.6	0.0	0.0	350	02-Oct
PX2C	83	276	19.11	27.4	17.8	0.0	0.00	198.7	17.5	0.0	0.0	350	03-Oct
PX2C	83	277	18.65	29.5	17.4	0.0	0.00	198.7	17.3	0.0	0.0	350	04-Oct
PX2C	83	278	16.50	29.9	18.9	0.0	0.00	198.7	17.3	0.0	0.0	350	05-Oct
PX2C	83	279	18.61	29.4	18.4	0.0	0.00	129.6	17.0	0.0	0.0	350	06-Oct
PX2C	83	280	18.51	31.3	18.3	0.0	0.00	181.4	16.4	0.0	0.0	350	07-Oct
PX2C	83	281	15.63	29.0	20.4	0.0	0.00	198.7	17.0	0.0	0.0	350	08-Oct
PX2C	83	282	18.97	31.3	18.4	0.0	0.00	121.0	16.5	0.0	0.0	350	09-Oct
PX2C	83	283	18.23	31.7	17.9	0.0	0.00	146.9	15.7	0.0	0.0	350	10-Oct
PX2C	83	284	18.68	32.2	16.7	0.0	0.00	121.0	11.9	0.0	0.0	350	11-Oct
PX2C	83	285	19.29	30.8	13.7	0.0	0.00	129.6	6.7	0.0	0.0	350	12-Oct
PX2C	83	286	18.14	30.9	14.7	0.0	0.00	267.8	8.9	0.0	0.0	350	13-Oct
PX2C	83	287	18.01	28.9	17.4	0.0	0.00	233.3	9.9	0.0	0.0	350	14-Oct
PX2C	83	288	17.78	27.6	14.5	0.0	0.00	216.0	10.0	0.0	0.0	350	15-Oct
PX2C	83	289	17.69	29.0	15.9	0.0	0.00	121.0	10.6	0.0	0.0	350	16-Oct
PX2C	83	290	10.61	26.5	17.5	0.0	0.00	497.7	13.0	0.0	0.0	350	17-Oct
PX2C	83	291	16.67	27.5	16.5	0.0	0.00	170.2	13.1	0.0	0.0	350	18-Oct
PX2C	83	292	11.74	27.0	19.7	0.0	0.00	188.4	13.0	0.0	0.0	350	19-Oct
PX2C	83	293	17.00	27.4	16.9	0.0	0.00	166.8	12.1	0.0	0.0	350	20-Oct
PX2C	83	294	17.12	28.4	16.0	0.0	0.00	149.5	12.3	0.0	0.0	350	21-Oct
PX2C	83	295	16.97	30.0	15.8	0.0	0.00	115.8	12.5	0.0	0.0	350	22-Oct
PX2C	83	296	16.82	29.1	16.0	0.0	0.00	182.3	13.0	0.0	0.0	350	23-Oct
PX2C	83	297	12.05	26.9	16.6	0.0	0.00	233.3	13.2	0.0	0.0	350	24-Oct
PX2C	83	298	16.12	27.2	16.8	0.0	0.00	407.8	12.5	0.0	0.0	350	25-Oct
PX2C	83	299	15.50	27.2	16.8	0.0	0.00	407.8	13.1	0.0	0.0	350	26-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX4B	33.40	112.00	2.30	0 1 1 0 1	355	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4B	83 152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX4B	83 153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX4B	83 154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX4B	83 155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX4B	83 156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX4B	83 157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX4B	83 158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX4B	83 159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX4B	83 160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX4B	83 161	29.08	37.7	19.3	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX4B	83 162	28.93	38.2	20.0	0.0	0.00	297.7	3.2	0.0	0.0	350	11-Jun
PX4B	83 163	30.09	35.2	20.7	0.0	0.00	189.2	3.8	0.0	0.0	350	12-Jun
PX4B	83 164	29.84	37.2	17.9	0.0	0.00	127.1	3.4	0.0	0.0	350	13-Jun
PX4B	83 165	30.49	38.7	17.1	0.0	0.00	173.6	4.1	0.0	0.0	350	14-Jun
PX4B	83 166	29.43	39.2	17.1	0.0	0.00	212.4	3.6	0.0	0.0	350	15-Jun
PX4B	83 167	28.92	39.2	21.4	0.0	0.00	173.6	4.1	0.0	0.0	350	16-Jun
PX4B	83 168	29.56	40.8	21.4	0.0	0.00	185.3	3.8	0.0	0.0	350	17-Jun
PX4B	83 169	30.67	40.2	20.7	0.0	0.00	150.4	4.6	0.0	0.0	350	18-Jun
PX4B	83 170	31.22	40.2	20.7	0.0	0.00	239.6	4.5	0.0	0.0	350	19-Jun
PX4B	83 171	30.64	39.7	21.4	0.0	0.00	286.1	5.0	0.0	0.0	350	20-Jun
PX4B	83 172	26.28	39.7	21.4	0.0	0.00	212.4	4.5	0.0	0.0	350	21-Jun
PX4B	83 173	23.64	39.8	20.0	0.0	0.00	127.1	3.8	0.0	0.0	350	22-Jun
PX4B	83 174	20.14	38.7	23.5	0.0	0.00	155.5	3.8	0.0	0.0	350	23-Jun
PX4B	83 175	29.91	40.4	23.0	0.0	0.00	388.8	5.1	0.0	0.0	350	24-Jun
PX4B	83 176	31.17	38.7	19.0	0.0	0.00	224.6	0.6	0.0	0.0	350	25-Jun
PX4B	83 177	30.92	39.4	19.8	0.0	0.00	259.2	1.3	0.0	0.0	350	26-Jun
PX4B	83 178	30.17	37.8	18.2	0.0	0.00	207.4	3.6	0.0	0.0	350	27-Jun
PX4B	83 179	28.51	38.4	19.2	0.0	0.00	146.9	3.8	0.0	0.0	350	28-Jun
PX4B	83 180	30.14	40.5	18.5	0.0	0.00	164.2	3.8	0.0	0.0	350	29-Jun
PX4B	83 181	29.39	40.9	17.2	0.0	0.00	207.4	3.8	0.0	0.0	350	30-Jun
PX4B	83 182	30.30	40.8	22.4	0.0	0.00	267.8	4.5	0.0	0.0	350	01-Jul
PX4B	83 183	29.81	40.9	19.9	0.0	0.00	172.8	3.6	0.0	0.0	350	02-Jul
PX4B	83 184	30.01	39.6	18.9	0.0	0.00	125.3	3.6	0.0	0.0	350	03-Jul
PX4B	83 185	30.21	42.6	22.2	0.0	0.00	133.9	7.0	0.0	0.0	350	04-Jul
PX4B	83 186	29.68	45.6	22.5	0.0	0.00	198.7	5.1	0.0	0.0	350	05-Jul
PX4B	83 187	28.64	44.0	31.5	0.0	0.00	259.2	10.0	0.0	0.0	350	06-Jul
PX4B	83 188	23.90	42.1	26.5	1.0	0.00	302.4	14.4	0.0	0.0	350	07-Jul
PX4B	83 189	20.58	40.3	25.7	0.0	0.00	95.0	18.2	0.0	0.0	350	08-Jul
PX4B	83 190	19.74	35.7	26.5	0.0	0.00	155.5	18.7	0.0	0.0	350	09-Jul
PX4B	83 191	27.89	40.4	25.6	0.0	0.00	241.9	16.5	0.0	0.0	350	10-Jul
PX4B	83 192	28.64	41.0	25.0	0.0	0.00	164.1	15.1	0.0	0.0	350	11-Jul
PX4B	83 193	27.75	42.1	27.5	0.0	0.00	203.0	13.6	0.0	0.0	350	12-Jul
PX4B	83 194	28.73	42.3	26.4	0.0	0.00	241.9	12.7	0.0	0.0	350	13-Jul
PX4B	83 195	28.06	42.0	28.0	0.0	0.00	337.0	12.8	0.0	0.0	350	14-Jul
PX4B	83 196	28.07	41.4	27.2	0.0	0.00	337.0	13.5	0.0	0.0	350	15-Jul
PX4B	83 197	29.80	41.5	24.6	0.0	0.00	354.2	9.9	0.0	0.0	350	16-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4B	83	198	28.33	41.1	20.8	0.0	0.00	233.3	8.8	0.0	0.0	350	17-Jul
PX4B	83	199	28.47	42.7	23.2	0.0	0.00	190.1	6.1	0.0	0.0	350	18-Jul
PX4B	83	200	26.10	42.4	27.1	0.0	0.00	181.4	7.5	0.0	0.0	350	19-Jul
PX4B	83	201	21.09	38.0	30.5	0.0	0.00	259.2	20.1	0.0	0.0	350	20-Jul
PX4B	83	202	10.59	32.3	26.1	0.0	0.00	259.2	19.3	0.0	0.0	350	21-Jul
PX4B	83	203	16.80	34.2	26.6	0.0	0.00	337.0	19.7	0.0	0.0	350	22-Jul
PX4B	83	204	27.29	39.9	26.5	0.0	0.00	250.6	20.0	0.0	0.0	350	23-Jul
PX4B	83	205	25.30	40.5	27.9	0.0	0.00	267.8	19.1	0.0	0.0	350	24-Jul
PX4B	83	206	25.69	41.3	28.3	0.0	0.00	267.8	18.0	0.0	0.0	350	25-Jul
PX4B	83	207	13.05	41.8	27.0	0.0	0.00	259.2	15.7	0.0	0.0	350	26-Jul
PX4B	83	208	27.92	37.5	27.5	0.0	0.00	423.4	16.7	0.0	0.0	350	27-Jul
PX4B	83	209	26.41	36.2	25.2	0.0	0.00	224.6	18.7	0.0	0.0	350	28-Jul
PX4B	83	210	24.81	37.2	26.5	0.0	0.00	362.9	18.8	0.0	0.0	350	29-Jul
PX4B	83	211	26.28	38.1	26.5	1.0	0.00	250.6	19.7	0.0	0.0	350	30-Jul
PX4B	83	212	27.08	38.6	26.6	0.0	0.00	259.2	19.6	0.0	0.0	350	31-Jul
PX4B	83	213	23.51	38.4	27.2	0.0	0.00	311.0	19.4	0.0	0.0	350	01-Aug
PX4B	83	214	26.90	38.1	27.7	0.0	0.00	181.4	19.3	0.0	0.0	350	02-Aug
PX4B	83	215	26.71	39.6	28.8	0.0	0.00	337.0	19.5	0.0	0.0	350	03-Aug
PX4B	83	216	22.57	36.4	26.5	0.0	0.00	362.9	19.9	0.0	0.0	350	04-Aug
PX4B	83	217	24.16	40.2	26.0	0.0	0.00	198.7	17.4	0.0	0.0	350	05-Aug
PX4B	83	218	26.46	39.2	26.6	0.0	0.00	224.6	19.4	0.0	0.0	350	06-Aug
PX4B	83	219	23.62	38.2	25.3	17.0	0.00	311.0	20.4	0.0	0.0	350	07-Aug
PX4B	83	220	17.62	35.4	25.3	1.0	0.00	285.1	22.4	0.0	0.0	350	08-Aug
PX4B	83	221	20.01	33.2	22.7	12.0	0.00	233.3	21.7	0.0	0.0	350	09-Aug
PX4B	83	222	23.54	32.4	22.8	0.0	0.00	198.7	22.7	0.0	0.0	350	10-Aug
PX4B	83	223	24.90	33.8	24.5	0.0	0.00	276.5	22.0	0.0	0.0	350	11-Aug
PX4B	83	224	26.61	35.8	23.0	0.0	0.00	121.0	19.5	0.0	0.0	350	12-Aug
PX4B	83	225	26.76	37.6	23.3	0.0	0.00	230.6	19.9	0.0	0.0	350	13-Aug
PX4B	83	226	25.98	35.9	25.0	2.0	0.00	311.0	21.9	0.0	0.0	350	14-Aug
PX4B	83	227	25.69	35.4	24.4	1.0	0.00	250.6	22.1	0.0	0.0	350	15-Aug
PX4B	83	228	22.54	34.4	23.3	0.0	0.00	233.3	23.2	0.0	0.0	350	16-Aug
PX4B	83	229	8.45	26.0	22.7	36.0	0.00	267.8	22.0	0.0	0.0	350	17-Aug
PX4B	83	230	20.46	31.9	22.0	3.0	0.00	198.7	21.1	0.0	0.0	350	18-Aug
PX4B	83	231	24.50	31.6	22.8	1.0	0.00	172.8	20.8	0.0	0.0	350	19-Aug
PX4B	83	232	25.45	32.0	21.3	0.0	0.00	198.7	19.5	0.0	0.0	350	20-Aug
PX4B	83	233	26.12	31.3	21.8	0.0	0.00	172.8	18.0	0.0	0.0	350	21-Aug
PX4B	83	234	26.04	31.9	19.3	0.0	0.00	146.8	15.9	0.0	0.0	350	22-Aug
PX4B	83	235	25.24	33.5	18.9	0.0	0.00	155.5	16.6	0.0	0.0	350	23-Aug
PX4B	83	236	24.89	32.5	20.7	0.0	0.00	172.8	17.9	0.0	0.0	350	24-Aug
PX4B	83	237	25.19	32.3	19.9	0.0	0.00	103.7	22.1	0.0	0.0	350	25-Aug
PX4B	83	238	24.62	34.4	21.0	0.0	0.00	146.9	18.5	0.0	0.0	350	26-Aug
PX4B	83	239	24.50	33.7	23.3	0.0	0.00	198.2	19.2	0.0	0.0	350	27-Aug
PX4B	83	240	14.03	32.6	25.0	0.0	0.00	164.2	19.9	0.0	0.0	350	28-Aug
PX4B	83	241	22.66	33.8	26.5	0.0	0.00	181.4	19.8	0.0	0.0	350	29-Aug
PX4B	83	242	23.32	35.5	23.8	0.0	0.00	129.6	20.6	0.0	0.0	350	30-Aug
PX4B	83	243	23.07	36.9	23.8	0.0	0.00	190.1	20.2	0.0	0.0	350	31-Aug
PX4B	83	244	23.01	36.6	27.0	0.0	0.00	207.4	20.8	0.0	0.0	350	01-Sep
PX4B	83	245	22.79	36.7	24.5	0.0	0.00	129.6	20.0	0.0	0.0	350	02-Sep
PX4B	83	246	23.00	37.1	26.2	0.0	0.00	129.6	19.5	0.0	0.0	350	03-Sep
PX4B	83	247	23.68	37.4	23.1	0.0	0.00	207.4	16.0	0.0	0.0	350	04-Sep
PX4B	83	248	23.71	34.8	24.1	0.0	0.00	146.9	20.4	0.0	0.0	350	05-Sep
PX4B	83	249	23.96	35.5	27.1	0.0	0.00	259.2	25.4	0.0	0.0	350	06-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4B	83	250	22.53	37.1	24.1	0.0	0.00	146.9	21.0	0.0	0.0	350	07-Sep
PX4B	83	251	22.00	38.9	21.5	0.0	0.00	121.0	20.8	0.0	0.0	350	08-Sep
PX4B	83	252	21.89	35.9	21.7	0.0	0.00	112.3	20.8	0.0	0.0	350	09-Sep
PX4B	83	253	22.18	35.5	25.2	0.0	0.00	241.9	20.3	0.0	0.0	350	10-Sep
PX4B	83	254	22.17	35.1	24.8	0.0	0.00	250.6	20.4	0.0	0.0	350	11-Sep
PX4B	83	255	21.75	34.6	25.8	0.0	0.00	224.6	20.2	0.0	0.0	350	12-Sep
PX4B	83	256	21.38	35.3	22.1	0.0	0.00	172.8	18.6	0.0	0.0	350	13-Sep
PX4B	83	257	21.25	35.6	23.1	0.0	0.00	216.0	18.6	0.0	0.0	350	14-Sep
PX4B	83	258	20.71	35.9	24.4	0.0	0.00	276.5	19.4	0.0	0.0	350	15-Sep
PX4B	83	259	19.68	35.0	23.2	0.0	0.00	233.3	18.9	0.0	0.0	350	16-Sep
PX4B	83	260	20.60	35.2	22.2	0.0	0.00	164.2	19.1	0.0	0.0	350	17-Sep
PX4B	83	261	19.92	35.4	22.9	0.0	0.00	172.8	19.9	0.0	0.0	350	18-Sep
PX4B	83	262	15.73	34.0	23.3	0.0	0.00	190.1	20.8	0.0	0.0	350	19-Sep
PX4B	83	263	14.79	33.0	23.2	6.0	0.00	138.2	21.3	0.0	0.0	350	20-Sep
PX4B	83	264	21.05	34.8	19.4	0.0	0.00	129.6	17.7	0.0	0.0	350	21-Sep
PX4B	83	265	20.41	35.5	20.0	0.0	0.00	319.7	20.6	0.0	0.0	350	22-Sep
PX4B	83	266	13.83	34.0	20.3	1.0	0.00	267.8	20.4	0.0	0.0	350	23-Sep
PX4B	83	267	19.40	32.5	20.8	1.0	0.00	233.3	20.6	0.0	0.0	350	24-Sep
PX4B	83	268	18.64	34.7	19.7	0.0	0.00	121.0	19.8	0.0	0.0	350	25-Sep
PX4B	83	269	16.38	35.9	19.2	0.0	0.00	181.4	16.7	0.0	0.0	350	26-Sep
PX4B	83	270	20.59	34.5	17.3	0.0	0.00	103.7	16.5	0.0	0.0	350	27-Sep
PX4B	83	271	17.15	35.5	20.5	7.0	0.00	535.7	19.9	0.0	0.0	350	28-Sep
PX4B	83	272	3.17	21.3	17.4	0.0	0.00	432.0	17.4	0.0	0.0	350	29-Sep
PX4B	83	273	13.42	27.8	19.4	37.0	0.00	302.4	18.9	0.0	0.0	350	30-Sep
PX4B	83	274	7.41	20.9	17.1	2.0	0.00	388.8	17.6	0.0	0.0	350	01-Oct
PX4B	83	275	19.15	27.5	16.6	0.0	0.00	121.0	17.5	0.0	0.0	350	02-Oct
PX4B	83	276	19.11	29.2	17.3	0.0	0.00	198.7	18.0	0.0	0.0	350	03-Oct
PX4B	83	277	18.65	30.8	17.0	0.0	0.00	198.7	17.9	0.0	0.0	350	04-Oct
PX4B	83	278	16.50	31.2	18.2	0.0	0.00	198.7	18.3	0.0	0.0	350	05-Oct
PX4B	83	279	18.61	31.0	17.4	0.0	0.00	129.6	17.7	0.0	0.0	350	06-Oct
PX4B	83	280	18.51	32.0	18.2	0.0	0.00	181.4	17.1	0.0	0.0	350	07-Oct
PX4B	83	281	15.63	30.9	19.9	0.0	0.00	198.7	17.6	0.0	0.0	350	08-Oct
PX4B	83	282	18.97	32.3	17.3	0.0	0.00	121.0	17.2	0.0	0.0	350	09-Oct
PX4B	83	283	18.23	32.3	16.9	0.0	0.00	146.9	16.4	0.0	0.0	350	10-Oct
PX4B	83	284	18.68	32.8	15.6	0.0	0.00	121.0	13.2	0.0	0.0	350	11-Oct
PX4B	83	285	19.29	32.0	12.2	0.0	0.00	129.6	8.9	0.0	0.0	350	12-Oct
PX4B	83	286	18.14	31.8	13.3	0.0	0.00	267.8	10.5	0.0	0.0	350	13-Oct
PX4B	83	287	18.01	30.2	16.0	0.0	0.00	233.3	11.2	0.0	0.0	350	14-Oct
PX4B	83	288	17.78	29.1	13.3	0.0	0.00	216.0	11.4	0.0	0.0	350	15-Oct
PX4B	83	289	17.69	30.6	14.6	0.0	0.00	121.0	12.2	0.0	0.0	350	16-Oct
PX4B	83	290	10.61	27.9	16.4	0.0	0.00	497.7	13.9	0.0	0.0	350	17-Oct
PX4B	83	291	16.67	29.0	16.5	0.0	0.00	170.2	14.0	0.0	0.0	350	18-Oct
PX4B	83	292	11.74	28.5	19.7	0.0	0.00	188.4	13.9	0.0	0.0	350	19-Oct
PX4B	83	293	17.00	28.5	19.7	0.0	0.00	166.8	13.0	0.0	0.0	350	20-Oct
PX4B	83	294	17.12	33.0	16.0	0.0	0.00	149.5	13.2	0.0	0.0	350	21-Oct
PX4B	83	295	16.97	31.5	15.8	0.0	0.00	115.8	13.0	0.0	0.0	350	22-Oct
PX4B	83	296	16.82	30.8	16.0	0.0	0.00	182.3	13.7	0.0	0.0	350	23-Oct
PX4B	83	297	12.05	27.5	16.6	0.0	0.00	233.3	13.9	0.0	0.0	350	24-Oct
PX4B	83	298	16.12	29.0	16.8	0.0	0.00	407.8	13.2	0.0	0.0	350	25-Oct
PX4B	83	299	15.50	29.0	16.8	0.0	0.00	407.8	13.3	0.0	0.0	350	26-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX3C	33.40	112.00	2.30	0	1	1	0	1	335	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX3C	83 152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX3C	83 153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX3C	83 154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX3C	83 155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX3C	83 156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX3C	83 157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX3C	83 158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX3C	83 159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX3C	83 160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX3C	83 161	29.08	37.5	20.1	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX3C	83 162	28.93	38.1	20.7	0.0	0.00	297.7	3.2	0.0	0.0	350	11-Jun
PX3C	83 163	30.09	34.5	21.3	0.0	0.00	189.2	3.8	0.0	0.0	350	12-Jun
PX3C	83 164	29.84	36.9	19.0	0.0	0.00	127.1	3.4	0.0	0.0	350	13-Jun
PX3C	83 165	30.49	38.7	18.4	0.0	0.00	173.6	4.1	0.0	0.0	350	14-Jun
PX3C	83 166	29.43	39.3	18.4	0.0	0.00	212.4	3.6	0.0	0.0	350	15-Jun
PX3C	83 167	28.92	39.3	21.8	0.0	0.00	173.6	4.1	0.0	0.0	350	16-Jun
PX3C	83 168	29.56	41.1	21.8	0.0	0.00	185.3	3.8	0.0	0.0	350	17-Jun
PX3C	83 169	30.67	40.5	21.3	0.0	0.00	150.4	4.6	0.0	0.0	350	18-Jun
PX3C	83 170	31.22	40.5	21.3	0.0	0.00	239.6	4.5	0.0	0.0	350	19-Jun
PX3C	83 171	30.64	39.9	21.8	0.0	0.00	286.1	5.0	0.0	0.0	350	20-Jun
PX3C	83 172	26.28	39.9	21.8	0.0	0.00	212.4	4.5	0.0	0.0	350	21-Jun
PX3C	83 173	23.64	39.8	20.0	0.0	0.00	127.1	3.8	0.0	0.0	350	22-Jun
PX3C	83 174	20.14	38.5	23.5	0.0	0.00	155.5	3.8	0.0	0.0	350	23-Jun
PX3C	83 175	29.91	40.4	23.1	0.0	0.00	388.8	4.8	0.0	0.0	350	24-Jun
PX3C	83 176	31.17	38.6	19.2	0.0	0.00	224.6	1.1	0.0	0.0	350	25-Jun
PX3C	83 177	30.92	39.5	20.0	0.0	0.00	259.2	0.6	0.0	0.0	350	26-Jun
PX3C	83 178	30.17	37.3	18.3	0.0	0.00	207.4	2.9	0.0	0.0	350	27-Jun
PX3C	83 179	28.51	37.9	19.2	0.0	0.00	146.9	3.8	0.0	0.0	350	28-Jun
PX3C	83 180	30.14	38.4	18.5	0.0	0.00	164.2	3.8	0.0	0.0	350	29-Jun
PX3C	83 181	29.39	40.6	19.8	0.0	0.00	207.4	2.5	0.0	0.0	350	30-Jun
PX3C	83 182	30.30	40.7	22.7	0.0	0.00	267.8	4.8	0.0	0.0	350	01-Jul
PX3C	83 183	29.81	40.0	20.0	0.0	0.00	172.8	3.8	0.0	0.0	350	02-Jul
PX3C	83 184	30.01	38.9	19.0	0.0	0.00	125.3	3.9	0.0	0.0	350	03-Jul
PX3C	83 185	30.21	42.2	22.3	0.0	0.00	133.9	7.3	0.0	0.0	350	04-Jul
PX3C	83 186	29.68	46.2	22.9	0.0	0.00	198.7	12.5	0.0	0.0	350	05-Jul
PX3C	83 187	28.64	42.6	22.2	0.0	0.00	259.2	10.0	0.0	0.0	350	06-Jul
PX3C	83 188	23.90	45.6	22.5	1.0	0.00	302.4	14.4	0.0	0.0	350	07-Jul
PX3C	83 189	20.58	36.7	25.6	0.0	0.00	95.0	18.9	0.0	0.0	350	08-Jul
PX3C	83 190	19.74	35.5	26.6	0.0	0.00	155.5	18.7	0.0	0.0	350	09-Jul
PX3C	83 191	27.89	40.7	25.6	0.0	0.00	241.9	16.9	0.0	0.0	350	10-Jul
PX3C	83 192	28.64	41.4	23.5	0.0	0.00	164.1	15.8	0.0	0.0	350	11-Jul
PX3C	83 193	27.75	42.2	26.1	0.0	0.00	203.0	14.1	0.0	0.0	350	12-Jul
PX3C	83 194	28.73	42.7	26.4	0.0	0.00	241.9	12.3	0.0	0.0	350	13-Jul
PX3C	83 195	28.06	42.5	28.0	0.0	0.00	337.0	12.7	0.0	0.0	350	14-Jul
PX3C	83 196	28.07	41.9	27.3	0.0	0.00	337.0	13.4	0.0	0.0	350	15-Jul
PX3C	83 197	29.80	42.3	24.7	0.0	0.00	354.2	8.9	0.0	0.0	350	16-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX3C	83	198	28.33	41.3	21.9	0.0	0.00	233.3	3.8	0.0	0.0	350	17-Jul
PX3C	83	199	28.47	42.8	23.3	0.0	0.00	190.1	4.6	0.0	0.0	350	18-Jul
PX3C	83	200	26.10	42.7	27.2	0.0	0.00	181.4	7.0	0.0	0.0	350	19-Jul
PX3C	83	201	21.09	39.2	27.2	0.0	0.00	259.2	15.0	0.0	0.0	350	20-Jul
PX3C	83	202	10.59	32.0	26.0	0.0	0.00	259.2	19.2	0.0	0.0	350	21-Jul
PX3C	83	203	16.80	33.8	26.6	0.0	0.00	337.0	19.6	0.0	0.0	350	22-Jul
PX3C	83	204	27.29	40.6	26.5	0.0	0.00	250.6	20.2	0.0	0.0	350	23-Jul
PX3C	83	205	25.30	40.9	27.9	0.0	0.00	267.8	19.1	0.0	0.0	350	24-Jul
PX3C	83	206	25.69	42.1	28.3	0.0	0.00	267.8	17.2	0.0	0.0	350	25-Jul
PX3C	83	207	13.05	43.6	27.0	0.0	0.00	259.2	14.6	0.0	0.0	350	26-Jul
PX3C	83	208	27.92	41.7	27.6	0.0	0.00	423.4	16.5	0.0	0.0	350	27-Jul
PX3C	83	209	26.41	36.6	25.1	0.0	0.00	224.6	18.0	0.0	0.0	350	28-Jul
PX3C	83	210	24.81	37.0	26.1	0.0	0.00	362.9	18.8	0.0	0.0	350	29-Jul
PX3C	83	211	26.28	39.0	26.6	1.0	0.00	250.6	18.7	0.0	0.0	350	30-Jul
PX3C	83	212	27.08	39.8	26.1	0.0	0.00	259.2	18.4	0.0	0.0	350	31-Jul
PX3C	83	213	23.51	39.4	27.1	0.0	0.00	311.0	18.7	0.0	0.0	350	01-Aug
PX3C	83	214	26.90	39.3	27.1	0.0	0.00	181.4	18.8	0.0	0.0	350	02-Aug
PX3C	83	215	26.71	41.1	29.0	0.0	0.00	337.0	19.0	0.0	0.0	350	03-Aug
PX3C	83	216	22.57	38.0	26.7	0.0	0.00	362.9	19.5	0.0	0.0	350	04-Aug
PX3C	83	217	24.16	41.8	26.2	0.0	0.00	198.7	18.9	0.0	0.0	350	05-Aug
PX3C	83	218	26.46	41.3	26.7	0.0	0.00	224.6	18.3	0.0	0.0	350	06-Aug
PX3C	83	219	23.62	39.5	23.8	17.0	0.00	311.0	19.4	0.0	0.0	350	07-Aug
PX3C	83	220	17.62	36.3	23.8	1.0	0.00	285.1	21.6	0.0	0.0	350	08-Aug
PX3C	83	221	20.01	33.9	22.4	12.0	0.00	233.3	21.2	0.0	0.0	350	09-Aug
PX3C	83	222	23.54	33.0	22.1	0.0	0.00	198.7	22.4	0.0	0.0	350	10-Aug
PX3C	83	223	24.90	33.8	24.1	0.0	0.00	276.5	22.0	0.0	0.0	350	11-Aug
PX3C	83	224	26.61	36.0	23.1	0.0	0.00	121.0	19.4	0.0	0.0	350	12-Aug
PX3C	83	225	26.70	38.4	23.4	0.0	0.00	230.6	19.6	0.0	0.0	350	13-Aug
PX3C	83	226	25.98	36.9	25.1	2.0	0.00	311.0	21.5	0.0	0.0	350	14-Aug
PX3C	83	227	25.69	36.1	24.6	1.0	0.00	250.6	22.4	0.0	0.0	350	15-Aug
PX3C	83	228	22.54	35.3	20.5	0.0	0.00	233.3	22.4	0.0	0.0	350	16-Aug
PX3C	83	229	8.45	25.9	21.1	36.0	0.00	267.8	21.5	0.0	0.0	350	17-Aug
PX3C	83	230	20.46	30.8	21.8	3.0	0.00	198.7	21.0	0.0	0.0	350	18-Aug
PX3C	83	231	24.50	31.6	22.8	1.0	0.00	172.8	20.6	0.0	0.0	350	19-Aug
PX3C	83	232	25.45	32.6	21.6	0.0	0.00	198.7	19.2	0.0	0.0	350	20-Aug
PX3C	83	233	26.12	32.3	22.1	0.0	0.00	172.8	17.8	0.0	0.0	350	21-Aug
PX3C	83	234	26.04	32.9	19.8	0.0	0.00	146.8	15.7	0.0	0.0	350	22-Aug
PX3C	83	235	25.24	34.8	19.4	0.0	0.00	155.5	16.4	0.0	0.0	350	23-Aug
PX3C	83	236	24.89	33.2	21.1	0.0	0.00	172.8	18.1	0.0	0.0	350	24-Aug
PX3C	83	237	25.19	32.7	20.0	0.0	0.00	103.7	17.3	0.0	0.0	350	25-Aug
PX3C	83	238	24.62	34.9	21.3	0.0	0.00	146.9	18.3	0.0	0.0	350	26-Aug
PX3C	83	239	24.50	35.2	23.8	0.0	0.00	198.2	18.9	0.0	0.0	350	27-Aug
PX3C	83	240	14.03	34.6	25.5	0.0	0.00	164.2	19.8	0.0	0.0	350	28-Aug
PX3C	83	241	22.66	34.8	26.9	0.0	0.00	181.4	19.3	0.0	0.0	350	29-Aug
PX3C	83	242	23.32	36.4	24.2	0.0	0.00	129.6	19.8	0.0	0.0	350	30-Aug
PX3C	83	243	23.07	36.9	23.8	0.0	0.00	190.1	19.7	0.0	0.0	350	31-Aug
PX3C	83	244	23.01	37.0	27.0	0.0	0.00	207.4	20.3	0.0	0.0	350	01-Sep
PX3C	83	245	22.79	37.8	24.7	0.0	0.00	129.6	19.3	0.0	0.0	350	02-Sep
PX3C	83	246	23.00	38.2	26.7	0.0	0.00	129.6	18.9	0.0	0.0	350	03-Sep
PX3C	83	247	23.68	38.8	23.5	0.0	0.00	207.4	15.2	0.0	0.0	350	04-Sep
PX3C	83	248	23.71	35.5	24.6	0.0	0.00	146.9	19.9	0.0	0.0	350	05-Sep
PX3C	83	249	23.96	36.8	27.3	0.0	0.00	259.2	20.8	0.0	0.0	350	06-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX3C	83	250	22.53	34.9	24.4	0.0	0.00	146.9	20.3	0.0	0.0	350	07-Sep
PX3C	83	251	22.00	37.4	22.4	0.0	0.00	121.0	19.6	0.0	0.0	350	08-Sep
PX3C	83	252	21.89	34.8	22.9	0.0	0.00	112.3	20.3	0.0	0.0	350	09-Sep
PX3C	83	253	22.18	35.6	25.0	0.0	0.00	241.9	19.9	0.0	0.0	350	10-Sep
PX3C	83	254	22.17	34.9	24.8	0.0	0.00	250.6	20.2	0.0	0.0	350	11-Sep
PX3C	83	255	21.75	34.8	25.9	0.0	0.00	224.6	20.1	0.0	0.0	350	12-Sep
PX3C	83	256	21.38	34.8	22.3	0.0	0.00	172.8	19.0	0.0	0.0	350	13-Sep
PX3C	83	257	21.25	35.0	23.2	0.0	0.00	216.0	19.1	0.0	0.0	350	14-Sep
PX3C	83	258	20.71	35.4	24.4	0.0	0.00	276.5	19.5	0.0	0.0	350	15-Sep
PX3C	83	259	19.68	34.3	23.4	0.0	0.00	233.3	19.2	0.0	0.0	350	16-Sep
PX3C	83	260	20.60	34.5	22.3	0.0	0.00	164.2	19.1	0.0	0.0	350	17-Sep
PX3C	83	261	19.92	34.7	23.3	0.0	0.00	172.8	20.0	0.0	0.0	350	18-Sep
PX3C	83	262	15.73	33.4	23.5	0.0	0.00	190.1	20.7	0.0	0.0	350	19-Sep
PX3C	83	263	14.79	32.2	23.3	6.0	0.00	138.2	21.3	0.0	0.0	350	20-Sep
PX3C	83	264	21.05	34.5	19.7	0.0	0.00	129.6	17.6	0.0	0.0	350	21-Sep
PX3C	83	265	20.41	33.9	20.0	0.0	0.00	319.7	19.5	0.0	0.0	350	22-Sep
PX3C	83	266	13.83	33.5	20.4	1.0	0.00	267.8	19.5	0.0	0.0	350	23-Sep
PX3C	83	267	19.4	32.5	20.7	1.0	0.00	233.3	19.5	0.0	0.0	350	24-Sep
PX3C	83	268	18.64	34.0	19.9	0.0	0.00	121.0	17.6	0.0	0.0	350	25-Sep
PX3C	83	269	16.38	34.7	19.2	0.0	0.00	181.4	16.1	0.0	0.0	350	26-Sep
PX3C	83	270	20.59	33.6	17.4	0.0	0.00	103.7	16.1	0.0	0.0	350	27-Sep
PX3C	83	271	17.15	34.5	18.8	7.0	0.00	535.7	17.7	0.0	0.0	350	28-Sep
PX3C	83	272	3.17	21.1	17.5	0.0	0.00	432.0	17.1	0.0	0.0	350	29-Sep
PX3C	83	273	13.42	27.2	18.9	37.0	0.00	302.4	18.9	0.0	0.0	350	30-Sep
PX3C	83	274	7.41	20.7	17.0	2.0	0.00	388.8	17.5	0.0	0.0	350	01-Oct
PX3C	83	275	19.15	27.1	16.5	0.0	0.00	121.0	17.4	0.0	0.0	350	02-Oct
PX3C	83	276	19.11	29.1	17.3	0.0	0.00	198.7	18.2	0.0	0.0	350	03-Oct
PX3C	83	277	18.65	30.6	16.8	0.0	0.00	198.7	18.0	0.0	0.0	350	04-Oct
PX3C	83	278	16.50	31.9	18.1	0.0	0.00	198.7	18.3	0.0	0.0	350	05-Oct
PX3C	83	279	18.61	31.2	17.1	0.0	0.00	129.6	17.7	0.0	0.0	350	06-Oct
PX3C	83	280	18.51	32.0	17.4	0.0	0.00	181.4	17.3	0.0	0.0	350	07-Oct
PX3C	83	281	15.63	30.7	19.9	0.0	0.00	198.7	17.5	0.0	0.0	350	08-Oct
PX3C	83	282	18.97	32.2	17.2	0.0	0.00	121.0	17.1	0.0	0.0	350	09-Oct
PX3C	83	283	18.23	32.3	16.8	0.0	0.00	146.9	16.4	0.0	0.0	350	10-Oct
PX3C	83	284	18.68	32.5	15.7	0.0	0.00	121.0	13.0	0.0	0.0	350	11-Oct
PX3C	83	285	19.29	31.7	12.3	0.0	0.00	129.6	8.6	0.0	0.0	350	12-Oct
PX3C	83	286	18.14	31.6	13.2	0.0	0.00	267.8	10.9	0.0	0.0	350	13-Oct
PX3C	83	287	18.01	30.1	15.9	0.0	0.00	233.3	11.2	0.0	0.0	350	14-Oct
PX3C	83	288	17.78	29.2	13.3	0.0	0.00	216.0	11.4	0.0	0.0	350	15-Oct
PX3C	83	289	17.69	30.5	14.5	0.0	0.00	121.0	12.2	0.0	0.0	350	16-Oct
PX3C	83	290	10.61	28.6	16.2	0.0	0.00	497.7	13.7	0.0	0.0	350	17-Oct
PX3C	83	291	16.67	29.0	16.5	0.0	0.00	170.2	14.0	0.0	0.0	350	18-Oct
PX3C	83	292	11.74	28.5	19.7	0.0	0.00	188.4	13.9	0.0	0.0	350	19-Oct
PX3C	83	293	17.00	28.5	16.9	0.0	0.00	166.8	13.0	0.0	0.0	350	20-Oct
PX3C	83	294	17.12	30.0	16.6	0.0	0.00	149.5	13.2	0.0	0.0	350	21-Oct
PX3C	83	295	16.97	31.5	15.8	0.0	0.00	115.8	13.0	0.0	0.0	350	22-Oct
PX3C	83	296	16.82	30.8	16.0	0.0	0.00	182.3	13.7	0.0	0.0	350	23-Oct
PX3C	83	297	12.05	27.5	16.6	0.0	0.00	233.3	13.9	0.0	0.0	350	24-Oct
PX3C	83	298	16.12	29.0	16.8	0.0	0.00	407.8	13.2	0.0	0.0	350	25-Oct
PX3C	83	299	15.50	29.0	16.8	0.0	0.00	407.8	13.1	0.0	0.0	350	26-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC		↓		CO2YR	WINDYR
PX3B	33.40	112.00	2.30	0 1 1	0 1		500	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX3B	83 152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX3B	83 153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX3B	83 154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX3B	83 155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX3B	83 156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX3B	83 157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX3B	83 158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX3B	83 159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX3B	83 160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX3B	83 161	29.08	37.5	20.5	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX3B	83 162	28.93	38.0	21.1	0.0	0.00	297.7	3.2	0.0	0.0	500	11-Jun
PX3B	83 163	30.09	35.2	21.6	0.0	0.00	189.2	3.8	0.0	0.0	500	12-Jun
PX3B	83 164	29.84	37.1	19.5	0.0	0.00	127.1	3.4	0.0	0.0	500	13-Jun
PX3B	83 165	30.49	38.5	18.9	0.0	0.00	173.6	4.1	0.0	0.0	500	14-Jun
PX3B	83 166	29.43	38.9	18.9	0.0	0.00	212.4	3.6	0.0	0.0	500	15-Jun
PX3B	83 167	28.92	38.9	22.1	0.0	0.00	173.6	4.1	0.0	0.0	500	16-Jun
PX3B	83 168	29.56	40.3	22.1	0.0	0.00	185.3	3.8	0.0	0.0	500	17-Jun
PX3B	83 169	30.67	39.9	21.6	0.0	0.00	150.4	4.6	0.0	0.0	500	18-Jun
PX3B	83 170	31.22	39.9	21.6	0.0	0.00	239.6	4.5	0.0	0.0	500	19-Jun
PX3B	83 171	30.64	39.4	22.1	0.0	0.00	286.1	5.0	0.0	0.0	500	20-Jun
PX3B	83 172	26.28	39.4	22.1	0.0	0.00	212.4	4.5	0.0	0.0	500	21-Jun
PX3B	83 173	23.64	38.9	21.1	0.0	0.00	127.1	3.8	0.0	0.0	500	22-Jun
PX3B	83 174	20.14	37.8	24.4	0.0	0.00	155.5	3.8	0.0	0.0	500	23-Jun
PX3B	83 175	29.91	40.7	23.1	0.0	0.00	388.8	4.8	0.0	0.0	500	24-Jun
PX3B	83 176	31.17	38.9	19.0	0.0	0.00	224.6	0.6	0.0	0.0	500	25-Jun
PX3B	83 177	30.92	39.8	19.9	0.0	0.00	259.2	0.4	0.0	0.0	500	26-Jun
PX3B	83 178	30.17	37.9	18.3	0.0	0.00	207.4	2.7	0.0	0.0	500	27-Jun
PX3B	83 179	28.51	38.7	18.3	0.0	0.00	146.9	3.8	0.0	0.0	500	28-Jun
PX3B	83 180	30.14	40.1	18.8	0.0	0.00	164.2	4.8	0.0	0.0	500	29-Jun
PX3B	83 181	29.39	41.1	19.8	0.0	0.00	207.4	11.2	0.0	0.0	500	30-Jun
PX3B	83 182	30.30	40.8	22.5	0.0	0.00	267.8	4.6	0.0	0.0	500	01-Jul
PX3B	83 183	29.81	40.6	20.2	0.0	0.00	172.8	3.4	0.0	0.0	500	02-Jul
PX3B	83 184	30.01	39.7	19.1	0.0	0.00	125.3	3.6	0.0	0.0	500	03-Jul
PX3B	83 185	30.21	42.6	22.3	0.0	0.00	133.9	6.7	0.0	0.0	500	04-Jul
PX3B	83 186	29.68	45.7	22.7	0.0	0.00	198.7	5.8	0.0	0.0	500	05-Jul
PX3B	83 187	28.64	39.4	25.6	0.0	0.00	259.2	10.0	0.0	0.0	500	06-Jul
PX3B	83 188	23.90	40.7	27.2	1.0	0.00	302.4	14.4	0.0	0.0	500	07-Jul
PX3B	83 189	20.58	36.8	25.3	0.0	0.00	95.0	22.2	0.0	0.0	500	08-Jul
PX3B	83 190	19.74	35.7	26.5	0.0	0.00	155.5	18.7	0.0	0.0	500	09-Jul
PX3B	83 191	27.89	40.8	25.6	0.0	0.00	241.9	16.4	0.0	0.0	500	10-Jul
PX3B	83 192	28.64	41.0	25.1	0.0	0.00	164.1	15.0	0.0	0.0	500	11-Jul
PX3B	83 193	27.75	41.6	23.0	0.0	0.00	203.0	13.8	0.0	0.0	500	12-Jul
PX3B	83 194	28.73	42.0	26.4	0.0	0.00	241.9	12.5	0.0	0.0	500	13-Jul
PX3B	83 195	28.06	41.9	27.8	0.0	0.00	337.0	13.1	0.0	0.0	500	14-Jul
PX3B	83 196	28.07	41.4	27.2	0.0	0.00	337.0	14.1	0.0	0.0	500	15-Jul
PX3B	83 197	29.80	41.3	24.5	0.0	0.00	354.2	10.0	0.0	0.0	500	16-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX3B	83	198	28.33	40.9	21.9	0.0	0.00	233.3	5.8	0.0	0.0	500	17-Jul
PX3B	83	199	28.47	41.7	23.1	0.0	0.00	190.1	7.0	0.0	0.0	500	18-Jul
PX3B	83	200	26.10	41.7	27.1	0.0	0.00	181.4	8.1	0.0	0.0	500	19-Jul
PX3B	83	201	21.09	38.4	30.4	0.0	0.00	259.2	15.5	0.0	0.0	500	20-Jul
PX3B	83	202	10.59	32.0	26.1	0.0	0.00	259.2	19.3	0.0	0.0	500	21-Jul
PX3B	83	203	16.80	33.8	26.6	0.0	0.00	337.0	19.7	0.0	0.0	500	22-Jul
PX3B	83	204	27.29	39.7	26.5	0.0	0.00	250.6	21.5	0.0	0.0	500	23-Jul
PX3B	83	205	25.30	40.7	27.4	0.0	0.00	267.8	22.6	0.0	0.0	500	24-Jul
PX3B	83	206	25.69	41.6	27.7	0.0	0.00	267.8	18.6	0.0	0.0	500	25-Jul
PX3B	83	207	13.05	39.4	25.4	0.0	0.00	259.2	20.2	0.0	0.0	500	26-Jul
PX3B	83	208	27.92	38.8	25.7	0.0	0.00	423.4	19.4	0.0	0.0	500	27-Jul
PX3B	83	209	26.41	35.9	25.2	0.0	0.00	224.6	18.5	0.0	0.0	500	28-Jul
PX3B	83	210	24.81	38.8	26.5	0.0	0.00	362.9	18.8	0.0	0.0	500	29-Jul
PX3B	83	211	26.28	37.6	26.2	1.0	0.00	250.6	19.3	0.0	0.0	500	30-Jul
PX3B	83	212	27.08	38.0	26.5	0.0	0.00	259.2	19.2	0.0	0.0	500	31-Jul
PX3B	83	213	23.51	37.9	26.9	0.0	0.00	311.0	19.3	0.0	0.0	500	01-Aug
PX3B	83	214	26.90	37.6	26.9	0.0	0.00	181.4	19.6	0.0	0.0	500	02-Aug
PX3B	83	215	26.71	39.3	28.8	0.0	0.00	337.0	19.7	0.0	0.0	500	03-Aug
PX3B	83	216	22.57	36.4	26.5	0.0	0.00	362.9	19.9	0.0	0.0	500	04-Aug
PX3B	83	217	24.16	39.4	25.9	0.0	0.00	198.7	19.7	0.0	0.0	500	05-Aug
PX3B	83	218	26.46	38.6	26.5	0.0	0.00	224.6	19.4	0.0	0.0	500	06-Aug
PX3B	83	219	23.62	37.4	25.2	17.0	0.00	311.0	20.2	0.0	0.0	500	07-Aug
PX3B	83	220	17.62	34.6	25.2	1.0	0.00	285.1	22.6	0.0	0.0	500	08-Aug
PX3B	83	221	20.01	32.5	22.6	12.0	0.00	233.3	21.8	0.0	0.0	500	09-Aug
PX3B	83	222	23.54	32.1	22.7	0.0	0.00	198.7	23.2	0.0	0.0	500	10-Aug
PX3B	83	223	24.90	32.7	24.3	0.0	0.00	276.5	22.5	0.0	0.0	500	11-Aug
PX3B	83	224	26.61	34.5	22.8	0.0	0.00	121.0	19.9	0.0	0.0	500	12-Aug
PX3B	83	225	26.70	36.2	23.1	0.0	0.00	230.6	20.6	0.0	0.0	500	13-Aug
PX3B	83	226	25.98	35.1	24.9	2.0	0.00	311.0	22.4	0.0	0.0	500	14-Aug
PX3B	83	227	25.69	34.7	24.2	1.0	0.00	250.6	22.3	0.0	0.0	500	15-Aug
PX3B	83	228	22.54	34.6	23.1	0.0	0.00	233.3	23.4	0.0	0.0	500	16-Aug
PX3B	83	229	8.45	25.7	22.6	36.0	0.00	267.8	22.2	0.0	0.0	500	17-Aug
PX3B	83	230	20.46	30.4	23.1	3.0	0.00	198.7	21.3	0.0	0.0	500	18-Aug
PX3B	83	231	24.50	30.8	22.7	1.0	0.00	172.8	21.0	0.0	0.0	500	19-Aug
PX3B	83	232	25.45	31.4	21.3	0.0	0.00	198.7	19.9	0.0	0.0	500	20-Aug
PX3B	83	233	26.12	30.8	21.7	0.0	0.00	172.8	18.4	0.0	0.0	500	21-Aug
PX3B	83	234	26.04	32.2	19.4	0.0	0.00	146.8	17.5	0.0	0.0	500	22-Aug
PX3B	83	235	25.24	33.4	18.2	0.0	0.00	155.5	17.7	0.0	0.0	500	23-Aug
PX3B	83	236	24.89	32.8	19.8	0.0	0.00	172.8	18.9	0.0	0.0	500	24-Aug
PX3B	83	237	25.19	31.3	19.8	0.0	0.00	103.7	17.7	0.0	0.0	500	25-Aug
PX3B	83	238	24.62	33.3	20.7	0.0	0.00	146.9	18.7	0.0	0.0	500	26-Aug
PX3B	83	239	24.50	33.3	23.2	0.0	0.00	198.2	19.3	0.0	0.0	500	27-Aug
PX3B	83	240	14.03	32.3	24.9	0.0	0.00	164.2	19.8	0.0	0.0	500	28-Aug
PX3B	83	241	22.66	33.0	26.4	0.0	0.00	181.4	19.8	0.0	0.0	500	29-Aug
PX3B	83	242	23.32	34.3	23.9	0.0	0.00	129.6	20.5	0.0	0.0	500	30-Aug
PX3B	83	243	23.07	36.6	23.6	0.0	0.00	190.1	20.2	0.0	0.0	500	31-Aug
PX3B	83	244	23.01	36.1	26.9	0.0	0.00	207.4	20.6	0.0	0.0	500	01-Sep
PX3B	83	245	22.79	36.5	24.6	0.0	0.00	129.6	19.7	0.0	0.0	500	02-Sep
PX3B	83	246	23.00	36.8	26.2	0.0	0.00	129.6	19.0	0.0	0.0	500	03-Sep
PX3B	83	247	23.68	37.6	23.3	0.0	0.00	207.4	15.5	0.0	0.0	500	04-Sep
PX3B	83	248	23.71	34.7	24.3	0.0	0.00	146.9	20.0	0.0	0.0	500	05-Sep
PX3B	83	249	23.96	36.1	27.0	0.0	0.00	259.2	21.0	0.0	0.0	500	06-Sep

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX3B	83 250	22.53	33.0	24.2	0.0	0.00	146.9	20.6	0.0	0.0	500	07-Sep
PX3B	83 251	22.00	36.2	22.5	0.0	0.00	121.0	19.6	0.0	0.0	500	08-Sep
PX3B	83 252	21.89	35.7	23.0	0.0	0.00	112.3	20.1	0.0	0.0	500	09-Sep
PX3B	83 253	22.18	35.4	25.3	0.0	0.00	241.9	19.9	0.0	0.0	500	10-Sep
PX3B	83 254	22.17	35.1	24.9	0.0	0.00	250.6	20.0	0.0	0.0	500	11-Sep
PX3B	83 255	21.75	34.8	26.2	0.0	0.00	224.6	19.9	0.0	0.0	500	12-Sep
PX3B	83 256	21.38	35.2	22.3	0.0	0.00	172.8	18.7	0.0	0.0	500	13-Sep
PX3B	83 257	21.25	36.0	23.3	0.0	0.00	216.0	18.7	0.0	0.0	500	14-Sep
PX3B	83 258	20.71	35.7	24.4	0.0	0.00	276.5	19.2	0.0	0.0	500	15-Sep
PX3B	83 259	19.68	34.8	23.3	0.0	0.00	233.3	19.1	0.0	0.0	500	16-Sep
PX3B	83 260	20.60	34.9	22.3	0.0	0.00	164.2	19.0	0.0	0.0	500	17-Sep
PX3B	83 261	19.92	35.2	23.1	0.0	0.00	172.8	20.0	0.0	0.0	500	18-Sep
PX3B	83 262	15.73	33.9	23.4	0.0	0.00	190.1	20.7	0.0	0.0	500	19-Sep
PX3B	83 263	14.79	32.6	23.2	6.0	0.00	138.2	21.2	0.0	0.0	500	20-Sep
PX3B	83 264	21.05	36.9	23.2	0.0	0.00	129.6	17.7	0.0	0.0	500	21-Sep
PX3B	83 265	20.41	34.7	19.2	0.0	0.00	319.7	19.8	0.0	0.0	500	22-Sep
PX3B	83 266	13.83	33.7	20.5	1.0	0.00	267.8	19.3	0.0	0.0	500	23-Sep
PX3B	83 267	19.40	32.0	20.7	1.0	0.00	233.3	19.3	0.0	0.0	500	24-Sep
PX3B	83 268	18.64	34.3	19.9	0.0	0.00	121.0	17.6	0.0	0.0	500	25-Sep
PX3B	83 269	16.38	35.3	19.5	0.0	0.00	181.4	15.8	0.0	0.0	500	26-Sep
PX3B	83 270	20.59	34.0	17.5	0.0	0.00	103.7	15.9	0.0	0.0	500	27-Sep
PX3B	83 271	17.15	34.9	20.7	7.0	0.00	535.7	17.0	0.0	0.0	500	28-Sep
PX3B	83 272	3.17	21.3	17.7	0.0	0.00	432.0	17.3	0.0	0.0	500	29-Sep
PX3B	83 273	13.42	27.9	19.4	37.0	0.00	302.4	18.7	0.0	0.0	500	30-Sep
PX3B	83 274	7.41	20.7	17.0	2.0	0.00	388.8	17.4	0.0	0.0	500	01-Oct
PX3B	83 275	19.15	27.7	16.5	0.0	0.00	121.0	17.3	0.0	0.0	500	02-Oct
PX3B	83 276	19.11	27.8	17.3	0.0	0.00	198.7	18.0	0.0	0.0	500	03-Oct
PX3B	83 277	18.65	31.2	16.8	0.0	0.00	198.7	22.5	0.0	0.0	500	04-Oct
PX3B	83 278	16.50	31.4	18.2	0.0	0.00	198.7	20.4	0.0	0.0	500	05-Oct
PX3B	83 279	18.61	31.5	17.2	0.0	0.00	129.6	17.6	0.0	0.0	500	06-Oct
PX3B	83 280	18.51	32.1	17.6	0.0	0.00	181.4	17.0	0.0	0.0	500	07-Oct
PX3B	83 281	15.63	30.6	20.1	0.0	0.00	198.7	17.4	0.0	0.0	500	08-Oct
PX3B	83 282	18.97	32.8	17.3	0.0	0.00	121.0	17.0	0.0	0.0	500	09-Oct
PX3B	83 283	18.23	32.8	17.0	0.0	0.00	146.9	15.7	0.0	0.0	500	10-Oct
PX3B	83 284	18.68	32.8	15.6	0.0	0.00	121.0	13.0	0.0	0.0	500	11-Oct
PX3B	83 285	19.29	31.9	12.3	0.0	0.00	129.6	8.5	0.0	0.0	500	12-Oct
PX3B	83 286	18.14	32.0	13.7	0.0	0.00	267.8	10.3	0.0	0.0	500	13-Oct
PX3B	83 287	18.01	30.5	16.2	0.0	0.00	233.3	11.1	0.0	0.0	500	14-Oct
PX3B	83 288	17.78	29.3	13.3	0.0	0.00	216.0	11.3	0.0	0.0	500	15-Oct
PX3B	83 289	17.69	30.9	14.8	0.0	0.00	121.0	12.0	0.0	0.0	500	16-Oct
PX3B	83 290	10.61	28.1	16.4	0.0	0.00	497.7	13.8	0.0	0.0	500	17-Oct
PX3B	83 291	16.67	28.5	16.7	0.0	0.00	170.2	13.0	0.0	0.0	500	18-Oct
PX3B	83 292	11.74	27.9	19.6	0.0	0.00	188.4	13.5	0.0	0.0	500	19-Oct
PX3B	83 293	17.00	28.3	16.9	0.0	0.00	166.8	12.5	0.0	0.0	500	20-Oct
PX3B	83 294	17.12	29.2	16.5	0.0	0.00	149.5	12.7	0.0	0.0	500	21-Oct
PX3B	83 295	16.97	30.8	15.7	0.0	0.00	115.8	12.8	0.0	0.0	500	22-Oct
PX3B	83 296	16.82	30.0	15.9	0.0	0.00	182.3	13.5	0.0	0.0	500	23-Oct
PX3B	83 297	12.05	28.0	16.6	0.0	0.00	233.3	13.7	0.0	0.0	500	24-Oct
PX3B	83 298	16.12	28.4	16.7	0.0	0.00	407.8	13.0	0.0	0.0	500	25-Oct
PX3B	83 298	15.50	28.4	16.7	0.0	0.00	407.8	13.2	0.0	0.0	500	26-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX4C	33.40	112.00	2.30	0 1 1 0 1	500	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4C	83	152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX4C	83	153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX4C	83	154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX4C	83	155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX4C	83	156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX4C	83	157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX4C	83	158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX4C	83	159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX4C	83	160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX4C	83	161	29.08	37.3	19.9	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX4C	83	162	28.93	37.9	20.5	0.0	0.00	297.7	3.2	0.0	0.0	500	11-Jun
PX4C	83	163	30.09	34.5	21.1	0.0	0.00	189.2	3.8	0.0	0.0	500	12-Jun
PX4C	83	164	29.84	36.7	18.6	0.0	0.00	127.1	3.4	0.0	0.0	500	13-Jun
PX4C	83	165	30.49	38.4	18.0	0.0	0.00	173.6	4.1	0.0	0.0	500	14-Jun
PX4C	83	166	29.43	39.0	18.0	0.0	0.00	212.4	3.6	0.0	0.0	500	15-Jun
PX4C	83	167	28.92	39.0	21.7	0.0	0.00	173.6	4.1	0.0	0.0	500	16-Jun
PX4C	83	168	29.56	40.7	21.7	0.0	0.00	185.3	3.8	0.0	0.0	500	17-Jun
PX4C	83	169	30.67	40.1	21.1	0.0	0.00	150.4	4.6	0.0	0.0	500	18-Jun
PX4C	83	170	31.22	40.1	21.1	0.0	0.00	239.6	4.5	0.0	0.0	500	19-Jun
PX4C	83	171	30.64	39.5	21.7	0.0	0.00	286.1	5.0	0.0	0.0	500	20-Jun
PX4C	83	172	26.28	39.5	21.7	0.0	0.00	212.4	4.5	0.0	0.0	500	21-Jun
PX4C	83	173	23.64	38.4	20.5	0.0	0.00	127.1	3.8	0.0	0.0	500	22-Jun
PX4C	83	174	20.14	38.3	23.8	0.0	0.00	155.5	3.8	0.0	0.0	500	23-Jun
PX4C	83	175	29.91	40.1	22.7	0.0	0.00	388.8	5.6	0.0	0.0	500	24-Jun
PX4C	83	176	31.17	38.1	18.6	0.0	0.00	224.6	0.4	0.0	0.0	500	25-Jun
PX4C	83	177	30.92	39.0	19.5	0.0	0.00	259.2	1.9	0.0	0.0	500	26-Jun
PX4C	83	178	30.17	36.9	17.8	0.0	0.00	207.4	2.9	0.0	0.0	500	27-Jun
PX4C	83	179	28.51	38.4	17.8	0.0	0.00	146.9	3.8	0.0	0.0	500	28-Jun
PX4C	83	180	30.14	39.2	18.0	0.0	0.00	164.2	3.8	0.0	0.0	500	29-Jun
PX4C	83	181	29.39	40.1	19.1	0.0	0.00	207.4	3.2	0.0	0.0	500	30-Jun
PX4C	83	182	30.30	40.4	22.1	0.0	0.00	267.8	5.6	0.0	0.0	500	01-Jul
PX4C	83	183	29.81	39.7	19.5	0.0	0.00	172.8	4.5	0.0	0.0	500	02-Jul
PX4C	83	184	30.01	38.9	18.6	0.0	0.00	125.3	4.1	0.0	0.0	500	03-Jul
PX4C	83	185	30.21	41.9	21.8	0.0	0.00	133.9	7.7	0.0	0.0	500	04-Jul
PX4C	83	186	29.68	44.8	22.4	0.0	0.00	198.7	6.2	0.0	0.0	500	05-Jul
PX4C	83	187	28.64	44.6	28.7	0.0	0.00	259.2	10.0	0.0	0.0	500	06-Jul
PX4C	83	188	23.90	42.0	27.2	1.0	0.00	302.4	14.4	0.0	0.0	500	07-Jul
PX4C	83	189	20.58	36.5	25.3	0.0	0.00	95.0	19.4	0.0	0.0	500	08-Jul
PX4C	83	190	19.74	35.4	26.4	0.0	0.00	155.5	18.8	0.0	0.0	500	09-Jul
PX4C	83	191	27.89	39.9	25.2	0.0	0.00	241.9	16.7	0.0	0.0	500	10-Jul
PX4C	83	192	28.64	40.8	24.3	0.0	0.00	164.1	15.0	0.0	0.0	500	11-Jul
PX4C	83	193	27.75	41.7	26.9	0.0	0.00	203.0	13.4	0.0	0.0	500	12-Jul
PX4C	83	194	28.73	42.6	25.7	0.0	0.00	241.9	12.4	0.0	0.0	500	13-Jul
PX4C	83	195	28.06	42.0	27.6	0.0	0.00	337.0	12.8	0.0	0.0	500	14-Jul
PX4C	83	196	28.07	41.4	27.0	0.0	0.00	337.0	13.6	0.0	0.0	500	15-Jul
PX4C	83	197	29.80	41.4	24.1	0.0	0.00	354.2	9.2	0.0	0.0	500	16-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4C	83	198	28.33	40.9	21.3	0.0	0.00	233.3	3.9	0.0	0.0	500	17-Jul
PX4C	83	199	28.47	42.1	22.7	0.0	0.00	190.1	5.8	0.0	0.0	500	18-Jul
PX4C	83	200	26.10	42.2	26.7	0.0	0.00	181.4	9.5	0.0	0.0	500	19-Jul
PX4C	83	201	21.09	38.4	30.1	0.0	0.00	259.2	15.8	0.0	0.0	500	20-Jul
PX4C	83	202	10.59	32.0	25.7	0.0	0.00	259.2	20.0	0.0	0.0	500	21-Jul
PX4C	83	203	16.80	33.7	26.4	0.0	0.00	337.0	19.5	0.0	0.0	500	22-Jul
PX4C	83	204	27.29	40.2	26.3	0.0	0.00	250.6	19.7	0.0	0.0	500	23-Jul
PX4C	83	205	25.30	40.5	27.0	0.0	0.00	267.8	19.2	0.0	0.0	500	24-Jul
PX4C	83	206	25.69	41.7	27.9	0.0	0.00	267.8	17.7	0.0	0.0	500	25-Jul
PX4C	83	207	13.05	42.1	26.6	0.0	0.00	259.2	15.1	0.0	0.0	500	26-Jul
PX4C	83	208	27.92	41.1	27.3	0.0	0.00	423.4	17.3	0.0	0.0	500	27-Jul
PX4C	83	209	26.41	36.0	24.7	0.0	0.00	224.6	18.7	0.0	0.0	500	28-Jul
PX4C	83	210	24.81	38.9	26.5	0.0	0.00	362.9	18.8	0.0	0.0	500	29-Jul
PX4C	83	211	26.28	38.7	26.2	1.0	0.00	250.6	19.2	0.0	0.0	500	30-Jul
PX4C	83	212	27.08	39.5	26.2	0.0	0.00	259.2	19.1	0.0	0.0	500	31-Jul
PX4C	83	213	23.51	38.9	26.8	0.0	0.00	311.0	19.1	0.0	0.0	500	01-Aug
PX4C	83	214	26.90	38.8	26.8	0.0	0.00	181.4	19.5	0.0	0.0	500	02-Aug
PX4C	83	215	26.71	40.5	28.9	0.0	0.00	337.0	20.2	0.0	0.0	500	03-Aug
PX4C	83	216	22.57	37.1	26.6	0.0	0.00	362.9	19.6	0.0	0.0	500	04-Aug
PX4C	83	217	24.16	40.9	25.6	0.0	0.00	198.7	19.0	0.0	0.0	500	05-Aug
PX4C	83	218	26.46	40.3	26.3	0.0	0.00	224.6	18.5	0.0	0.0	500	06-Aug
PX4C	83	219	23.62	38.4	23.6	17.0	0.00	311.0	19.6	0.0	0.0	500	07-Aug
PX4C	83	220	17.62	35.7	23.6	1.0	0.00	285.1	21.7	0.0	0.0	500	08-Aug
PX4C	83	221	20.01	33.3	22.2	12.0	0.00	233.3	21.3	0.0	0.0	500	09-Aug
PX4C	83	222	23.54	32.6	21.9	0.0	0.00	198.7	22.5	0.0	0.0	500	10-Aug
PX4C	83	223	24.90	38.2	23.9	0.0	0.00	276.5	22.6	0.0	0.0	500	11-Aug
PX4C	83	224	26.61	38.5	22.1	0.0	0.00	121.0	20.2	0.0	0.0	500	12-Aug
PX4C	83	225	26.70	37.8	22.8	0.0	0.00	230.6	21.3	0.0	0.0	500	13-Aug
PX4C	83	226	25.98	35.9	24.5	2.0	0.00	311.0	22.2	0.0	0.0	500	14-Aug
PX4C	83	227	25.69	36.1	24.4	1.0	0.00	250.6	22.1	0.0	0.0	500	15-Aug
PX4C	83	228	22.54	35.9	19.6	0.0	0.00	233.3	24.1	0.0	0.0	500	16-Aug
PX4C	83	229	8.45	27.6	20.1	36.0	0.00	267.8	22.5	0.0	0.0	500	17-Aug
PX4C	83	230	20.46	31.3	21.5	3.0	0.00	198.7	22.5	0.0	0.0	500	18-Aug
PX4C	83	231	24.50	31.7	22.4	1.0	0.00	172.8	21.3	0.0	0.0	500	19-Aug
PX4C	83	232	25.45	32.5	21.2	0.0	0.00	198.7	19.9	0.0	0.0	500	20-Aug
PX4C	83	233	26.12	32.2	21.6	0.0	0.00	172.8	18.9	0.0	0.0	500	21-Aug
PX4C	83	234	26.04	32.9	19.0	0.0	0.00	146.8	15.8	0.0	0.0	500	22-Aug
PX4C	83	235	25.24	34.0	18.7	0.0	0.00	155.5	17.3	0.0	0.0	500	23-Aug
PX4C	83	236	24.89	33.3	20.3	0.0	0.00	172.8	18.1	0.0	0.0	500	24-Aug
PX4C	83	237	25.19	33.2	19.2	0.0	0.00	103.7	17.3	0.0	0.0	500	25-Aug
PX4C	83	238	24.62	34.8	20.3	0.0	0.00	146.9	21.5	0.0	0.0	500	26-Aug
PX4C	83	239	24.50	35.2	22.4	0.0	0.00	198.2	20.4	0.0	0.0	500	27-Aug
PX4C	83	240	14.03	36.8	24.5	0.0	0.00	164.2	19.9	0.0	0.0	500	28-Aug
PX4C	83	241	22.66	33.8	26.2	0.0	0.00	181.4	19.8	0.0	0.0	500	29-Aug
PX4C	83	242	23.32	34.6	23.7	0.0	0.00	129.6	20.3	0.0	0.0	500	30-Aug
PX4C	83	243	23.07	37.2	23.3	0.0	0.00	190.1	19.8	0.0	0.0	500	31-Aug
PX4C	83	244	23.01	36.5	26.9	0.0	0.00	207.4	21.2	0.0	0.0	500	01-Sep
PX4C	83	245	22.79	37.0	24.3	0.0	0.00	129.6	20.6	0.0	0.0	500	02-Sep
PX4C	83	246	23.00	37.3	26.0	0.0	0.00	129.6	19.7	0.0	0.0	500	03-Sep
PX4C	83	247	23.68	38.2	22.9	0.0	0.00	207.4	16.8	0.0	0.0	500	04-Sep
PX4C	83	248	23.71	36.2	24.0	0.0	0.00	146.9	21.1	0.0	0.0	500	05-Sep
PX4C	83	249	23.96	36.3	27.0	0.0	0.00	259.2	21.3	0.0	0.0	500	06-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX4C	83	250	22.53	32.9	24.1	0.0	0.00	146.9	20.6	0.0	0.0	500	07-Sep
PX4C	83	251	22.00	37.0	22.0	0.0	0.00	121.0	19.7	0.0	0.0	500	08-Sep
PX4C	83	252	21.89	35.7	22.5	0.0	0.00	112.3	20.2	0.0	0.0	500	09-Sep
PX4C	83	253	22.18	34.8	24.7	0.0	0.00	241.9	20.2	0.0	0.0	500	10-Sep
PX4C	83	254	22.17	34.5	24.5	0.0	0.00	250.6	20.5	0.0	0.0	500	11-Sep
PX4C	83	255	21.75	34.5	25.4	0.0	0.00	224.6	20.8	0.0	0.0	500	12-Sep
PX4C	83	256	21.38	35.2	21.9	0.0	0.00	172.8	19.7	0.0	0.0	500	13-Sep
PX4C	83	257	21.25	35.4	22.8	0.0	0.00	216.0	20.0	0.0	0.0	500	14-Sep
PX4C	83	258	20.71	35.7	24.2	0.0	0.00	276.5	19.6	0.0	0.0	500	15-Sep
PX4C	83	259	19.68	35.0	23.1	0.0	0.00	233.3	19.0	0.0	0.0	500	16-Sep
PX4C	83	260	20.60	34.9	21.9	0.0	0.00	164.2	19.0	0.0	0.0	500	17-Sep
PX4C	83	261	19.92	35.2	22.9	0.0	0.00	172.8	20.0	0.0	0.0	500	18-Sep
PX4C	83	262	15.73	33.4	23.4	0.0	0.00	190.1	20.6	0.0	0.0	500	19-Sep
PX4C	83	263	14.79	32.0	23.0	6.0	0.00	138.2	21.1	0.0	0.0	500	20-Sep
PX4C	83	264	21.05	34.4	19.1	0.0	0.00	129.6	17.4	0.0	0.0	500	21-Sep
PX4C	83	265	20.41	34.0	19.6	0.0	0.00	319.7	19.2	0.0	0.0	500	22-Sep
PX4C	83	266	13.83	33.4	20.1	1.0	0.00	267.8	19.7	0.0	0.0	500	23-Sep
PX4C	83	267	19.40	32.1	20.5	1.0	0.00	233.3	19.9	0.0	0.0	500	24-Sep
PX4C	83	268	18.64	33.9	19.5	0.0	0.00	121.0	18.7	0.0	0.0	500	25-Sep
PX4C	83	269	16.38	34.8	18.8	0.0	0.00	181.4	16.6	0.0	0.0	500	26-Sep
PX4C	83	270	20.59	33.7	17.2	0.0	0.00	103.7	16.6	0.0	0.0	500	27-Sep
PX4C	83	271	17.15	35.2	20.6	7.0	0.00	535.7	17.7	0.0	0.0	500	28-Sep
PX4C	83	272	3.17	21.2	17.5	0.0	0.00	432.0	17.2	0.0	0.0	500	29-Sep
PX4C	83	273	13.42	27.5	18.8	37.0	0.00	302.4	19.1	0.0	0.0	500	30-Sep
PX4C	83	274	7.41	20.5	16.8	2.0	0.00	388.8	17.5	0.0	0.0	500	01-Oct
PX4C	83	275	19.15	27.1	16.2	0.0	0.00	121.0	17.7	0.0	0.0	500	02-Oct
PX4C	83	276	19.11	29.1	17.0	0.0	0.00	198.7	18.2	0.0	0.0	500	03-Oct
PX4C	83	277	18.65	30.7	16.7	0.0	0.00	198.7	18.0	0.0	0.0	500	04-Oct
PX4C	83	278	16.50	31.2	18.0	0.0	0.00	198.7	18.3	0.0	0.0	500	05-Oct
PX4C	83	279	18.61	31.4	17.2	0.0	0.00	129.6	17.6	0.0	0.0	500	06-Oct
PX4C	83	280	18.51	32.0	17.1	0.0	0.00	181.4	16.9	0.0	0.0	500	07-Oct
PX4C	83	281	15.63	30.8	19.6	0.0	0.00	198.7	17.5	0.0	0.0	500	08-Oct
PX4C	83	282	18.97	32.6	16.9	0.0	0.00	121.0	17.2	0.0	0.0	500	09-Oct
PX4C	83	283	18.23	32.2	16.5	0.0	0.00	146.9	16.6	0.0	0.0	500	10-Oct
PX4C	83	284	18.68	32.4	15.3	0.0	0.00	121.0	13.0	0.0	0.0	500	11-Oct
PX4C	83	285	19.29	31.5	12.0	0.0	0.00	129.6	8.6	0.0	0.0	500	12-Oct
PX4C	83	286	18.14	31.6	13.2	0.0	0.00	267.8	10.5	0.0	0.0	500	13-Oct
PX4C	83	287	18.01	30.3	15.8	0.0	0.00	233.3	11.2	0.0	0.0	500	14-Oct
PX4C	83	288	17.78	29.4	13.1	0.0	0.00	216.0	11.4	0.0	0.0	500	15-Oct
PX4C	83	289	17.69	30.6	14.4	0.0	0.00	121.0	12.1	0.0	0.0	500	16-Oct
PX4C	83	290	10.61	28.0	16.1	0.0	0.00	497.7	13.8	0.0	0.0	500	17-Oct
PX4C	83	291	16.67	28.4	16.3	0.0	0.00	170.2	14.0	0.0	0.0	500	18-Oct
PX4C	83	292	11.74	27.9	19.5	0.0	0.00	188.4	13.9	0.0	0.0	500	19-Oct
PX4C	83	293	17.00	28.3	16.8	0.0	0.00	166.8	13.0	0.0	0.0	500	20-Oct
PX4C	83	294	17.12	29.7	16.6	0.0	0.00	149.5	13.2	0.0	0.0	500	21-Oct
PX4C	83	295	16.97	30.8	15.7	0.0	0.00	115.8	13.0	0.0	0.0	500	22-Oct
PX4C	83	296	16.82	30.0	16.6	0.0	0.00	182.3	13.9	0.0	0.0	500	23-Oct
PX4C	83	297	12.05	28.0	16.6	0.0	0.00	233.3	13.9	0.0	0.0	500	24-Oct
PX4C	83	298	16.12	28.4	16.7	0.0	0.00	407.8	13.2	0.0	0.0	500	25-Oct
PX4C	83	299	15.50	28.4	16.7	0.0	0.00	407.8	13.7	0.0	0.0	500	26-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX2B	33.40	112.00	2.30	0 1 1 0 1					650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX2B	83 152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX2B	83 153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX2B	83 154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX2B	83 155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX2B	83 156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX2B	83 157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX2B	83 158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX2B	83 159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX2B	83 160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX2B	83 161	29.08	37.3	20.2	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX2B	83 162	28.93	37.8	20.8	0.0	0.00	297.7	3.2	0.0	0.0	650	11-Jun
PX2B	83 163	30.09	34.6	21.4	0.0	0.00	189.2	3.8	0.0	0.0	650	12-Jun
PX2B	83 164	29.84	36.7	19.0	0.0	0.00	127.1	3.4	0.0	0.0	650	13-Jun
PX2B	83 165	30.49	38.3	18.4	0.0	0.00	173.6	4.1	0.0	0.0	650	14-Jun
PX2B	83 166	29.43	38.9	18.4	0.0	0.00	212.4	3.6	0.0	0.0	650	15-Jun
PX2B	83 167	28.92	38.9	22.0	0.0	0.00	173.6	4.1	0.0	0.0	650	16-Jun
PX2B	83 168	29.56	40.5	22.0	0.0	0.00	185.3	3.8	0.0	0.0	650	17-Jun
PX2B	83 169	30.67	40.0	21.4	0.0	0.00	150.4	4.6	0.0	0.0	650	18-Jun
PX2B	83 170	31.22	40.0	21.4	0.0	0.00	239.6	4.5	0.0	0.0	650	19-Jun
PX2B	83 171	30.64	39.4	22.0	0.0	0.00	286.1	5.0	0.0	0.0	650	20-Jun
PX2B	83 172	26.28	39.4	22.0	0.0	0.00	212.4	4.5	0.0	0.0	650	21-Jun
PX2B	83 173	23.64	39.5	20.8	0.0	0.00	127.1	3.8	0.0	0.0	650	22-Jun
PX2B	83 174	20.14	38.3	23.8	0.0	0.00	155.5	3.8	0.0	0.0	650	23-Jun
PX2B	83 175	29.91	40.2	22.9	0.0	0.00	388.8	5.3	0.0	0.0	650	24-Jun
PX2B	83 176	31.17	38.0	19.1	0.0	0.00	224.6	0.2	0.0	0.0	650	25-Jun
PX2B	83 177	30.92	38.7	19.5	0.0	0.00	259.2	1.7	0.0	0.0	650	26-Jun
PX2B	83 178	30.17	37.6	18.0	0.0	0.00	207.4	3.8	0.0	0.0	650	27-Jun
PX2B	83 179	28.51	38.7	18.0	0.0	0.00	146.9	3.8	0.0	0.0	650	28-Jun
PX2B	83 180	30.14	39.8	18.6	0.0	0.00	164.2	3.8	0.0	0.0	650	29-Jun
PX2B	83 181	29.39	41.0	19.8	0.0	0.00	207.4	2.3	0.0	0.0	650	30-Jun
PX2B	83 182	30.30	40.6	22.7	0.0	0.00	267.8	4.5	0.0	0.0	650	01-Jul
PX2B	83 183	29.81	40.6	20.2	0.0	0.00	172.8	3.6	0.0	0.0	650	02-Jul
PX2B	83 184	30.01	39.7	19.8	0.0	0.00	125.3	3.6	0.0	0.0	650	03-Jul
PX2B	83 185	30.21	42.3	22.3	0.0	0.00	133.9	7.0	0.0	0.0	650	04-Jul
PX2B	83 186	29.68	45.8	22.7	0.0	0.00	198.7	5.8	0.0	0.0	650	05-Jul
PX2B	83 187	28.64	41.6	28.9	0.0	0.00	259.2	10.0	0.0	0.0	650	06-Jul
PX2B	83 188	23.90	42.6	27.7	1.0	0.00	302.4	14.4	0.0	0.0	650	07-Jul
PX2B	83 189	20.58	37.0	25.5	0.0	0.00	95.0	22.4	0.0	0.0	650	08-Jul
PX2B	83 190	19.74	35.8	26.4	0.0	0.00	155.5	18.6	0.0	0.0	650	09-Jul
PX2B	83 191	27.89	41.1	25.5	0.0	0.00	241.9	16.1	0.0	0.0	650	10-Jul
PX2B	83 192	28.64	40.7	24.8	0.0	0.00	164.1	15.0	0.0	0.0	650	11-Jul
PX2B	83 193	27.75	41.2	27.2	0.0	0.00	203.0	13.7	0.0	0.0	650	12-Jul
PX2B	83 194	28.73	41.8	26.0	0.0	0.00	241.9	13.1	0.0	0.0	650	13-Jul
PX2B	83 195	28.06	41.6	27.5	0.0	0.00	337.0	13.2	0.0	0.0	650	14-Jul
PX2B	83 196	28.07	41.2	27.0	0.0	0.00	337.0	13.9	0.0	0.0	650	15-Jul
PX2B	83 197	29.80	41.1	24.2	0.0	0.00	354.2	9.8	0.0	0.0	650	16-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX2B	83	198	28.33	40.9	21.5	0.0	0.00	233.3	5.3	0.0	0.0	650	17-Jul
PX2B	83	199	28.47	41.7	22.6	0.0	0.00	190.1	5.8	0.0	0.0	650	18-Jul
PX2B	83	200	26.10	41.8	26.8	0.0	0.00	181.4	8.1	0.0	0.0	650	19-Jul
PX2B	83	201	21.09	38.7	30.2	0.0	0.00	259.2	15.4	0.0	0.0	650	20-Jul
PX2B	83	202	10.59	31.9	25.9	0.0	0.00	259.2	19.5	0.0	0.0	650	21-Jul
PX2B	83	203	16.80	33.7	26.4	0.0	0.00	337.0	19.7	0.0	0.0	650	22-Jul
PX2B	83	204	27.29	39.0	26.3	0.0	0.00	250.6	20.2	0.0	0.0	650	23-Jul
PX2B	83	205	25.30	39.6	27.6	0.0	0.00	267.8	19.7	0.0	0.0	650	24-Jul
PX2B	83	206	25.69	40.9	28.0	0.0	0.00	267.8	17.8	0.0	0.0	650	25-Jul
PX2B	83	207	13.05	40.7	26.7	0.0	0.00	259.2	15.3	0.0	0.0	650	26-Jul
PX2B	83	208	27.92	41.1	27.3	0.0	0.00	423.4	22.9	0.0	0.0	650	27-Jul
PX2B	83	209	26.41	36.1	24.7	0.0	0.00	224.6	22.0	0.0	0.0	650	28-Jul
PX2B	83	210	24.81	39.0	26.5	0.0	0.00	362.9	18.8	0.0	0.0	650	29-Jul
PX2B	83	211	26.28	37.2	26.1	1.0	0.00	250.6	19.4	0.0	0.0	650	30-Jul
PX2B	83	212	27.08	37.4	26.3	0.0	0.00	259.2	19.4	0.0	0.0	650	31-Jul
PX2B	83	213	23.51	37.4	26.8	0.0	0.00	311.0	19.4	0.0	0.0	650	01-Aug
PX2B	83	214	26.90	37.9	26.8	0.0	0.00	181.4	19.6	0.0	0.0	650	02-Aug
PX2B	83	215	26.71	38.9	28.8	0.0	0.00	337.0	20.0	0.0	0.0	650	03-Aug
PX2B	83	216	22.57	36.0	26.6	0.0	0.00	362.9	20.0	0.0	0.0	650	04-Aug
PX2B	83	217	24.16	38.9	25.6	0.0	0.00	198.7	19.5	0.0	0.0	650	05-Aug
PX2B	83	218	26.46	40.9	26.1	0.0	0.00	224.6	19.1	0.0	0.0	650	06-Aug
PX2B	83	219	23.62	37.8	25.0	17.0	0.00	311.0	19.9	0.0	0.0	650	07-Aug
PX2B	83	220	17.62	35.0	25.0	1.0	0.00	285.1	22.3	0.0	0.0	650	08-Aug
PX2B	83	221	20.01	32.6	22.5	12.0	0.00	233.3	22.4	0.0	0.0	650	09-Aug
PX2B	83	222	23.54	32.0	22.5	0.0	0.00	198.7	23.1	0.0	0.0	650	10-Aug
PX2B	83	223	24.90	32.7	24.2	0.0	0.00	276.5	22.6	0.0	0.0	650	11-Aug
PX2B	83	224	26.61	36.1	22.6	0.0	0.00	121.0	20.0	0.0	0.0	650	12-Aug
PX2B	83	225	26.70	36.0	22.7	0.0	0.00	230.6	20.8	0.0	0.0	650	13-Aug
PX2B	83	226	25.98	36.5	24.8	2.0	0.00	311.0	22.6	0.0	0.0	650	14-Aug
PX2B	83	227	25.69	35.5	24.4	1.0	0.00	250.6	22.5	0.0	0.0	650	15-Aug
PX2B	83	228	22.54	35.5	21.5	0.0	0.00	233.3	24.0	0.0	0.0	650	16-Aug
PX2B	83	229	08.45	28.2	18.3	36.0	0.00	267.8	22.9	0.0	0.0	650	17-Aug
PX2B	83	230	20.46	31.9	18.3	3.0	0.00	198.7	22.8	0.0	0.0	650	18-Aug
PX2B	83	231	24.50	32.5	21.5	1.0	0.00	172.8	22.8	0.0	0.0	650	19-Aug
PX2B	83	232	25.45	32.8	19.8	0.0	0.00	198.7	22.5	0.0	0.0	650	20-Aug
PX2B	83	233	26.12	32.9	20.4	0.0	0.00	172.8	21.0	0.0	0.0	650	21-Aug
PX2B	83	234	26.04	32.1	17.6	0.0	0.00	146.8	17.0	0.0	0.0	650	22-Aug
PX2B	83	235	25.24	34.5	18.7	0.0	0.00	155.5	20.6	0.0	0.0	650	23-Aug
PX2B	83	236	24.89	31.7	18.8	0.0	0.00	172.8	19.9	0.0	0.0	650	24-Aug
PX2B	83	237	25.19	32.1	19.7	0.0	0.00	103.7	17.5	0.0	0.0	650	25-Aug
PX2B	83	238	24.62	34.2	20.8	0.0	0.00	146.9	18.6	0.0	0.0	650	26-Aug
PX2B	83	239	24.50	33.5	22.7	0.0	0.00	198.2	19.5	0.0	0.0	650	27-Aug
PX2B	83	240	14.03	32.8	24.8	0.0	0.00	164.2	20.0	0.0	0.0	650	28-Aug
PX2B	83	241	22.66	33.2	26.1	0.0	0.00	181.4	19.8	0.0	0.0	650	29-Aug
PX2B	83	242	23.32	34.3	23.7	0.0	0.00	129.6	20.4	0.0	0.0	650	30-Aug
PX2B	83	243	23.07	36.8	23.4	0.0	0.00	190.1	20.2	0.0	0.0	650	31-Aug
PX2B	83	244	23.01	35.7	26.7	0.0	0.00	207.4	21.0	0.0	0.0	650	01-Sep
PX2B	83	245	22.79	36.2	24.2	0.0	0.00	129.6	20.2	0.0	0.0	650	02-Sep
PX2B	83	246	23.00	36.9	26.1	0.0	0.00	129.6	19.5	0.0	0.0	650	03-Sep
PX2B	83	247	23.68	36.7	22.7	0.0	0.00	207.4	16.2	0.0	0.0	650	04-Sep
PX2B	83	248	23.71	34.5	23.8	0.0	0.00	146.9	20.4	0.0	0.0	650	05-Sep
PX2B	83	249	23.96	36.2	26.8	0.0	0.00	259.2	21.1	0.0	0.0	650	06-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX2B	83	250	22.53	32.6	24.0	0.0	0.00	146.9	20.6	0.0	0.0	650	07-Sep
PX2B	83	251	22.00	36.2	22.3	0.0	0.00	121.0	19.4	0.0	0.0	650	08-Sep
PX2B	83	252	21.89	35.8	22.9	0.0	0.00	112.3	19.7	0.0	0.0	650	09-Sep
PX2B	83	253	22.18	35.3	25.6	0.0	0.00	241.9	19.7	0.0	0.0	650	10-Sep
PX2B	83	254	22.17	35.1	24.6	0.0	0.00	250.6	19.8	0.0	0.0	650	11-Sep
PX2B	83	255	21.75	35.6	26.3	0.0	0.00	224.6	19.7	0.0	0.0	650	12-Sep
PX2B	83	256	21.38	35.5	22.3	0.0	0.00	172.8	18.4	0.0	0.0	650	13-Sep
PX2B	83	257	21.25	36.3	23.2	0.0	0.00	216.0	18.4	0.0	0.0	650	14-Sep
PX2B	83	258	20.71	35.6	24.4	0.0	0.00	276.5	19.2	0.0	0.0	650	15-Sep
PX2B	83	259	19.68	34.7	23.2	0.0	0.00	233.3	19.0	0.0	0.0	650	16-Sep
PX2B	83	260	20.60	35.0	22.0	0.0	0.00	164.2	18.9	0.0	0.0	650	17-Sep
PX2B	83	261	19.92	35.2	23.0	0.0	0.00	172.8	19.8	0.0	0.0	650	18-Sep
PX2B	83	262	15.73	33.8	23.2	0.0	0.00	190.1	20.6	0.0	0.0	650	19-Sep
PX2B	83	263	14.79	32.6	23.0	6.0	0.00	138.2	21.1	0.0	0.0	650	20-Sep
PX2B	83	264	21.05	33.9	19.4	0.0	0.00	129.6	17.6	0.0	0.0	650	21-Sep
PX2B	83	265	20.41	34.9	20.1	0.0	0.00	319.7	18.7	0.0	0.0	650	22-Sep
PX2B	83	266	13.83	33.7	20.0	1.0	0.00	267.8	19.2	0.0	0.0	650	23-Sep
PX2B	83	267	19.40	32.1	20.5	1.0	0.00	233.3	19.2	0.0	0.0	650	24-Sep
PX2B	83	268	18.64	34.3	19.7	0.0	0.00	121.0	17.4	0.0	0.0	650	25-Sep
PX2B	83	269	16.38	35.5	19.7	0.0	0.00	181.4	15.8	0.0	0.0	650	26-Sep
PX2B	83	270	20.59	33.9	18.0	0.0	0.00	103.7	15.8	0.0	0.0	650	27-Sep
PX2B	83	271	17.15	34.8	21.1	7.0	0.00	535.7	16.9	0.0	0.0	650	28-Sep
PX2B	83	272	3.17	21.2	16.9	0.0	0.00	432.0	17.4	0.0	0.0	650	29-Sep
PX2B	83	273	13.42	27.3	18.3	37.0	0.00	302.4	19.0	0.0	0.0	650	30-Sep
PX2B	83	274	7.41	20.4	17.8	2.0	0.00	388.8	18.0	0.0	0.0	650	01-Oct
PX2B	83	275	19.15	27.5	15.6	0.0	0.00	121.0	17.5	0.0	0.0	650	02-Oct
PX2B	83	276	19.11	27.4	16.9	0.0	0.00	198.7	17.7	0.0	0.0	650	03-Oct
PX2B	83	277	18.65	30.9	16.5	0.0	0.00	198.7	17.9	0.0	0.0	650	04-Oct
PX2B	83	278	16.50	31.2	18.1	0.0	0.00	198.7	18.1	0.0	0.0	650	05-Oct
PX2B	83	279	18.61	31.0	17.1	0.0	0.00	129.6	17.6	0.0	0.0	650	06-Oct
PX2B	83	280	18.51	31.8	17.5	0.0	0.00	181.4	17.0	0.0	0.0	650	07-Oct
PX2B	83	281	15.63	30.4	20.3	0.0	0.00	198.7	17.4	0.0	0.0	650	08-Oct
PX2B	83	282	18.97	32.4	17.2	0.0	0.00	121.0	17.0	0.0	0.0	650	09-Oct
PX2B	83	283	18.23	32.4	17.0	0.0	0.00	146.9	16.2	0.0	0.0	650	10-Oct
PX2B	83	284	18.68	32.8	15.7	0.0	0.00	121.0	12.9	0.0	0.0	650	11-Oct
PX2B	83	285	19.29	31.7	12.1	0.0	0.00	129.6	8.4	0.0	0.0	650	12-Oct
PX2B	83	286	18.14	31.7	13.5	0.0	0.00	267.8	10.4	0.0	0.0	650	13-Oct
PX2B	83	287	18.01	30.2	16.6	0.0	0.00	233.3	11.1	0.0	0.0	650	14-Oct
PX2B	83	288	17.78	28.9	12.8	0.0	0.00	216.0	11.5	0.0	0.0	650	15-Oct
PX2B	83	289	17.69	31.3	12.7	0.0	0.00	121.0	17.6	0.0	0.0	650	16-Oct
PX2B	83	290	10.61	27.7	14.4	0.0	0.00	497.7	14.8	0.0	0.0	650	17-Oct
PX2B	83	291	16.67	29.6	16.5	0.0	0.00	170.2	14.0	0.0	0.0	650	18-Oct
PX2B	83	292	11.74	29.7	19.7	0.0	0.00	188.4	13.9	0.0	0.0	650	19-Oct
PX2B	83	293	17.00	29.7	16.9	0.0	0.00	166.8	13.0	0.0	0.0	650	20-Oct
PX2B	83	294	17.12	30.1	16.0	0.0	0.00	149.5	13.2	0.0	0.0	650	21-Oct
PX2B	83	295	16.97	30.9	15.8	0.0	0.00	115.8	13.0	0.0	0.0	650	22-Oct
PX2B	83	296	16.82	31.3	16.0	0.0	0.00	182.3	13.7	0.0	0.0	650	23-Oct
PX2B	83	297	12.05	30.0	16.6	0.0	0.00	233.3	13.9	0.0	0.0	650	24-Oct
PX2B	83	298	16.12	29.4	16.8	0.0	0.00	407.8	13.2	0.0	0.0	650	25-Oct
PX2B	83	299	15.50	28.8	17.0	0.0	0.00	407.8	13.0	0.0	0.0	650	26-Oct

```
                              options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT  XLONG  PARFAC          ↓        CO2YR WINDYR
PX3A  33.40 112.00 2.30  0 1 1 0 1   650    0.0
```

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX3A	83	152	26.27	36.1	23.3	0.0	0.00	290.0	2.3	0.0	0.0	350	01-Jun
PX3A	83	153	30.20	33.3	20.6	0.0	0.00	227.9	3.0	0.0	0.0	350	02-Jun
PX3A	83	154	30.72	35.6	18.9	0.0	0.00	185.3	2.5	0.0	0.0	350	03-Jun
PX3A	83	155	30.71	35.6	21.1	0.0	0.00	189.2	3.0	0.0	0.0	350	04-Jun
PX3A	83	156	29.86	37.2	20.6	0.0	0.00	123.2	2.7	0.0	0.0	350	05-Jun
PX3A	83	157	29.50	38.9	22.2	0.0	0.00	158.1	3.4	0.0	0.0	350	06-Jun
PX3A	83	158	28.38	40.0	22.8	0.0	0.00	224.0	2.9	0.0	0.0	350	07-Jun
PX3A	83	159	30.20	39.4	24.4	0.0	0.00	301.6	3.4	0.0	0.0	350	08-Jun
PX3A	83	160	29.67	37.2	23.9	0.0	0.00	216.3	3.0	0.0	0.0	350	09-Jun
PX3A	83	161	29.08	36.7	19.8	0.0	0.00	119.4	3.8	0.0	0.0	350	10-Jun
PX3A	83	162	28.93	37.3	20.5	0.0	0.00	297.7	3.2	0.0	0.0	650	11-Jun
PX3A	83	163	30.09	33.7	21.1	0.0	0.00	189.2	3.8	0.0	0.0	650	12-Jun
PX3A	83	164	29.84	36.1	18.5	0.0	0.00	127.1	3.4	0.0	0.0	650	13-Jun
PX3A	83	165	30.49	37.9	17.9	0.0	0.00	173.6	4.1	0.0	0.0	650	14-Jun
PX3A	83	166	29.43	38.5	17.9	0.0	0.00	212.4	3.6	0.0	0.0	650	15-Jun
PX3A	83	167	28.92	38.5	21.8	0.0	0.00	173.6	4.1	0.0	0.0	650	16-Jun
PX3A	83	168	29.56	40.3	21.8	0.0	0.00	185.3	5.0	0.0	0.0	650	17-Jun
PX3A	83	169	30.67	39.7	21.1	0.0	0.00	150.4	5.0	0.0	0.0	650	18-Jun
PX3A	83	170	31.22	39.7	21.1	0.0	0.00	239.6	-0.2	0.0	0.0	650	19-Jun
PX3A	83	171	30.64	39.1	21.8	0.0	0.00	286.1	1.7	0.0	0.0	650	20-Jun
PX3A	83	172	26.28	39.1	21.8	0.0	0.00	212.4	3.8	0.0	0.0	650	21-Jun
PX3A	83	173	23.64	37.5	20.5	0.0	0.00	127.1	3.8	0.0	0.0	650	22-Jun
PX3A	83	174	20.14	36.3	23.2	0.0	0.00	155.5	3.8	0.0	0.0	650	23-Jun
PX3A	83	175	29.91	38.0	22.3	0.0	0.00	388.8	6.8	0.0	0.0	650	24-Jun
PX3A	83	176	31.17	36.1	18.2	0.0	0.00	224.6	1.9	0.0	0.0	650	25-Jun
PX3A	83	177	30.92	37.1	19.0	0.0	0.00	259.2	3.0	0.0	0.0	650	26-Jun
PX3A	83	178	30.17	35.9	18.2	0.0	0.00	207.4	5.0	0.0	0.0	650	27-Jun
PX3A	83	179	28.51	36.0	18.2	0.0	0.00	146.9	3.8	0.0	0.0	650	28-Jun
PX3A	83	180	30.14	38.1	18.8	0.0	0.00	164.2	1.7	0.0	0.0	650	29-Jun
PX3A	83	181	29.39	39.1	19.4	0.0	0.00	207.4	4.1	0.0	0.0	650	30-Jun
PX3A	83	182	30.30	39.0	21.8	0.0	0.00	267.8	5.9	0.0	0.0	650	01-Jul
PX3A	83	183	29.81	39.0	19.5	0.0	0.00	172.8	4.8	0.0	0.0	650	02-Jul
PX3A	83	184	30.01	38.1	19.0	0.0	0.00	125.3	4.5	0.0	0.0	650	03-Jul
PX3A	83	185	30.21	40.6	21.9	0.0	0.00	133.9	8.0	0.0	0.0	650	04-Jul
PX3A	83	186	29.68	44.6	22.2	0.0	0.00	198.7	7.1	0.0	0.0	650	05-Jul
PX3A	83	187	28.64	44.3	28.9	0.0	0.00	259.2	10.0	0.0	0.0	650	06-Jul
PX3A	83	188	23.90	41.6	27.7	1.0	0.00	302.4	14.4	0.0	0.0	650	07-Jul
PX3A	83	189	20.58	36.7	25.6	0.0	0.00	95.0	18.7	0.0	0.0	650	08-Jul
PX3A	83	190	19.74	35.4	26.4	0.0	0.00	155.5	18.6	0.0	0.0	650	09-Jul
PX3A	83	191	27.89	40.2	25.6	0.0	0.00	241.9	16.2	0.0	0.0	650	10-Jul
PX3A	83	192	28.64	41.3	24.9	0.0	0.00	164.1	15.0	0.0	0.0	650	11-Jul
PX3A	83	193	27.75	41.4	27.2	0.0	0.00	203.0	13.3	0.0	0.0	650	12-Jul
PX3A	83	194	28.73	42.0	26.4	0.0	0.00	241.9	12.5	0.0	0.0	650	13-Jul
PX3A	83	195	28.06	42.2	27.8	0.0	0.00	337.0	13.1	0.0	0.0	650	14-Jul
PX3A	83	196	28.07	41.7	26.9	0.0	0.00	337.0	14.8	0.0	0.0	650	15-Jul
PX3A	83	197	29.80	41.8	24.2	0.0	0.00	354.2	9.5	0.0	0.0	650	16-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX3A	83	198	28.33	41.4	21.8	0.0	0.00	233.3	4.6	0.0	0.0	650	17-Jul
PX3A	83	199	28.47	43.1	23.3	0.0	0.00	190.1	5.4	0.0	0.0	650	18-Jul
PX3A	83	200	26.10	42.8	27.3	0.0	0.00	181.4	8.0	0.0	0.0	650	19-Jul
PX3A	83	201	21.09	39.2	30.7	0.0	0.00	259.2	15.6	0.0	0.0	650	20-Jul
PX3A	83	202	10.59	32.2	25.9	0.0	0.00	259.2	19.5	0.0	0.0	650	21-Jul
PX3A	83	203	16.80	33.9	26.5	0.0	0.00	337.0	19.8	0.0	0.0	650	22-Jul
PX3A	83	204	27.29	40.1	26.4	0.0	0.00	250.6	20.2	0.0	0.0	650	23-Jul
PX3A	83	205	25.30	40.5	27.7	0.0	0.00	267.8	19.7	0.0	0.0	650	24-Jul
PX3A	83	206	25.69	41.5	28.1	0.0	0.00	267.8	17.5	0.0	0.0	650	25-Jul
PX3A	83	207	13.05	42.1	20.1	0.0	0.00	259.2	14.8	0.0	0.0	650	26-Jul
PX3A	83	208	27.92	41.1	27.5	0.0	0.00	423.4	16.5	0.0	0.0	650	27-Jul
PX3A	83	209	26.41	37.0	25.0	0.0	0.00	224.6	18.4	0.0	0.0	650	28-Jul
PX3A	83	210	24.81	38.4	26.8	0.0	0.00	362.9	16.7	0.0	0.0	650	29-Jul
PX3A	83	211	26.28	38.4	26.4	1.0	0.00	250.6	19.2	0.0	0.0	650	30-Jul
PX3A	83	212	27.08	39.0	26.5	0.0	0.00	259.2	19.3	0.0	0.0	650	31-Jul
PX3A	83	213	23.51	39.2	27.0	0.0	0.00	311.0	19.3	0.0	0.0	650	01-Aug
PX3A	83	214	26.90	39.0	27.0	0.0	0.00	181.4	19.7	0.0	0.0	650	02-Aug
PX3A	83	215	26.71	40.9	28.9	0.0	0.00	337.0	20.3	0.0	0.0	650	03-Aug
PX3A	83	216	22.57	37.3	26.8	0.0	0.00	362.9	19.9	0.0	0.0	650	04-Aug
PX3A	83	217	24.16	40.9	26.0	0.0	0.00	198.7	19.2	0.0	0.0	650	05-Aug
PX3A	83	218	26.46	40.1	26.5	0.0	0.00	224.6	18.8	0.0	0.0	650	06-Aug
PX3A	83	219	23.62	38.9	23.8	17.0	0.00	311.0	19.7	0.0	0.0	650	07-Aug
PX3A	83	220	17.62	36.1	23.8	1.0	0.00	285.1	21.5	0.0	0.0	650	08-Aug
PX3A	83	221	20.01	33.6	22.2	12.0	0.00	233.3	21.3	0.0	0.0	650	09-Aug
PX3A	83	222	23.54	32.7	21.9	0.0	0.00	198.7	21.9	0.0	0.0	650	10-Aug
PX3A	83	223	24.90	34.1	24.0	0.0	0.00	276.5	21.8	0.0	0.0	650	11-Aug
PX3A	83	224	26.61	36.0	22.8	0.0	0.00	121.0	19.3	0.0	0.0	650	12-Aug
PX3A	83	225	26.70	38.2	23.3	0.0	0.00	230.6	19.8	0.0	0.0	650	13-Aug
PX3A	83	226	25.98	36.7	24.7	2.0	0.00	311.0	21.7	0.0	0.0	650	14-Aug
PX3A	83	227	25.69	36.2	24.3	1.0	0.00	250.6	22.6	0.0	0.0	650	15-Aug
PX3A	83	228	22.54	35.3	20.1	0.0	0.00	233.3	22.5	0.0	0.0	650	16-Aug
PX3A	83	229	8.45	27.6	20.8	36.0	0.00	267.8	21.3	0.0	0.0	650	17-Aug
PX3A	83	230	20.46	30.2	21.3	3.0	0.00	198.7	20.6	0.0	0.0	650	18-Aug
PX3A	83	231	24.50	31.5	22.2	1.0	0.00	172.8	20.6	0.0	0.0	650	19-Aug
PX3A	83	232	25.45	32.2	21.1	0.0	0.00	198.7	19.2	0.0	0.0	650	20-Aug
PX3A	83	233	26.12	31.9	21.7	0.0	0.00	172.8	17.7	0.0	0.0	650	21-Aug
PX3A	83	234	26.04	32.9	19.6	0.0	0.00	146.8	15.5	0.0	0.0	650	22-Aug
PX3A	83	235	25.24	34.1	19.2	0.0	0.00	155.5	16.4	0.0	0.0	650	23-Aug
PX3A	83	236	24.89	34.0	21.1	0.0	0.00	172.8	17.6	0.0	0.0	650	24-Aug
PX3A	83	237	25.19	33.4	20.2	0.0	0.00	103.7	16.9	0.0	0.0	650	25-Aug
PX3A	83	238	24.62	34.4	21.0	0.0	0.00	146.9	17.8	0.0	0.0	650	26-Aug
PX3A	83	239	24.50	33.9	23.2	0.0	0.00	198.2	18.7	0.0	0.0	650	27-Aug
PX3A	83	240	14.03	32.9	25.1	0.0	0.00	164.2	19.5	0.0	0.0	650	28-Aug
PX3A	83	241	22.66	34.4	24.7	0.0	0.00	181.4	20.0	0.0	0.0	650	29-Aug
PX3A	83	242	23.32	35.0	24.2	0.0	0.00	129.6	20.0	0.0	0.0	650	30-Aug
PX3A	83	243	23.07	37.7	23.9	0.0	0.00	190.1	19.7	0.0	0.0	650	31-Aug
PX3A	83	244	23.01	36.6	26.6	0.0	0.00	207.4	20.4	0.0	0.0	650	01-Sep
PX3A	83	245	22.79	37.0	24.8	0.0	0.00	129.6	19.5	0.0	0.0	650	02-Sep
PX3A	83	246	23.00	37.5	26.5	0.0	0.00	129.6	18.9	0.0	0.0	650	03-Sep
PX3A	83	247	23.68	37.4	23.6	0.0	0.00	207.4	15.6	0.0	0.0	650	04-Sep
PX3A	83	248	23.71	34.9	24.2	0.0	0.00	146.9	19.9	0.0	0.0	650	05-Sep
PX3A	83	249	23.96	35.8	26.8	0.0	0.00	259.2	21.0	0.0	0.0	650	06-Sep

INSTW	IYR JUL	SOLRAD XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT STMAX	STMIN	CO2	A00
PX3A	83 250	22.53 34.3	23.8	0.0	0.00	146.9	20.2 0.0	0.0	650	07-Sep
PX3A	83 251	22.00 36.9	22.5	0.0	0.00	121.0	19.5 0.0	0.0	650	08-Sep
PX3A	83 252	21.89 35.6	23.1	0.0	0.00	112.3	19.9 0.0	0.0	650	09-Sep
PX3A	83 253	22.18 34.7	25.4	0.0	0.00	241.9	19.9 0.0	0.0	650	10-Sep
PX3A	83 254	22.17 34.2	24.6	0.0	0.00	250.6	20.0 0.0	0.0	650	11-Sep
PX3A	83 255	21.75 34.1	26.3	0.0	0.00	224.6	19.9 0.0	0.0	650	12-Sep
PX3A	83 256	21.38 34.6	22.5	0.0	0.00	172.8	18.4 0.0	0.0	650	13-Sep
PX3A	83 257	21.25 35.0	23.3	0.0	0.00	216.0	18.6 0.0	0.0	650	14-Sep
PX3A	83 258	20.71 35.0	24.2	0.0	0.00	276.5	19.3 0.0	0.0	650	15-Sep
PX3A	83 259	19.68 34.3	22.9	0.0	0.00	233.3	25.5 0.0	0.0	650	16-Sep
PX3A	83 260	20.60 34.3	22.1	0.0	0.00	164.2	29.3 0.0	0.0	650	17-Sep
PX3A	83 261	19.92 34.8	22.9	0.0	0.00	172.8	29.7 0.0	0.0	650	18-Sep
PX3A	83 262	15.73 33.5	23.3	0.0	0.00	190.1	23.5 0.0	0.0	650	19-Sep
PX3A	83 263	14.79 32.3	23.0	6.0	0.00	138.2	21.0 0.0	0.0	650	20-Sep
PX3A	83 264	21.05 34.8	19.8	0.0	0.00	129.6	17.1 0.0	0.0	650	21-Sep
PX3A	83 265	20.41 34.9	20.0	0.0	0.00	319.7	18.5 0.0	0.0	650	22-Sep
PX3A	83 266	13.83 33.8	20.4	1.0	0.00	267.8	19.1 0.0	0.0	650	23-Sep
PX3A	83 267	19.40 32.4	20.5	1.0	0.00	233.3	19.3 0.0	0.0	650	24-Sep
PX3A	83 268	18.64 34.2	19.7	0.0	0.00	121.0	17.7 0.0	0.0	650	25-Sep
PX3A	83 269	16.38 35.4	19.0	0.0	0.00	181.4	15.9 0.0	0.0	650	26-Sep
PX3A	83 270	20.59 33.8	17.5	0.0	0.00	103.7	15.9 0.0	0.0	650	27-Sep
PX3A	83 271	17.15 34.9	20.4	7.0	0.00	535.7	16.8 0.0	0.0	650	28-Sep
PX3A	83 272	3.17 21.1	17.2	0.0	0.00	432.0	17.0 0.0	0.0	650	29-Sep
PX3A	83 273	13.42 27.8	18.8	37.0	0.00	302.4	18.5 0.0	0.0	650	30-Sep
PX3A	83 274	7.40 20.6	16.8	2.0	0.00	388.8	17.4 0.0	0.0	650	01-Oct
PX3A	83 275	19.15 27.3	16.4	0.0	0.00	121.0	17.2 0.0	0.0	650	02-Oct
PX3A	83 276	19.11 21.7	19.1	0.0	0.00	198.7	18.0 0.0	0.0	650	03-Oct
PX3A	83 277	18.65 30.9	26.8	0.0	0.00	198.7	18.0 0.0	0.0	650	04-Oct
PX3A	83 278	16.50 31.0	17.9	0.0	0.00	198.7	18.2 0.0	0.0	650	05-Oct
PX3A	83 279	18.61 31.0	17.3	0.0	0.00	129.6	17.7 0.0	0.0	650	06-Oct
PX3A	83 280	18.51 31.8	17.3	0.0	0.00	181.4	17.2 0.0	0.0	650	07-Oct
PX3A	83 281	15.63 30.4	19.8	0.0	0.00	198.7	21.5 0.0	0.0	650	08-Oct
PX3A	83 282	18.97 32.5	19.8	0.0	0.00	121.0	17.2 0.0	0.0	650	09-Oct
PX3A	83 283	18.23 32.0	16.7	0.0	0.00	146.9	16.4 0.0	0.0	650	10-Oct
PX3A	83 284	18.68 32.4	15.7	0.0	0.00	121.0	13.0 0.0	0.0	650	11-Oct
PX3A	83 285	19.29 31.4	12.4	0.0	0.00	129.6	8.5 0.0	0.0	650	12-Oct
PX3A	83 286	18.14 31.4	13.2	0.0	0.00	267.8	10.6 0.0	0.0	650	13-Oct
PX3A	83 287	18.01 30.1	16.0	0.0	0.00	233.3	11.2 0.0	0.0	650	14-Oct
PX3A	83 288	17.78 29.0	13.2	0.0	0.00	216.0	11.6 0.0	0.0	650	15-Oct
PX3A	83 289	17.69 30.4	14.3	0.0	0.00	121.0	12.2 0.0	0.0	650	16-Oct
PX3A	83 290	10.61 28.8	18.0	0.0	0.00	497.7	13.9 0.0	0.0	650	17-Oct
PX3A	83 291	16.67 30.7	16.5	0.0	0.00	170.2	13.5 0.0	0.0	650	18-Oct
PX3A	83 292	11.74 30.8	19.7	0.0	0.00	188.4	13.7 0.0	0.0	650	19-Oct
PX3A	83 293	17.00 30.8	19.7	0.0	0.00	166.8	13.0 0.0	0.0	650	20-Oct
PX3A	83 294	17.12 31.2	16.0	0.0	0.00	149.5	13.2 0.0	0.0	650	21-Oct
PX3A	83 295	16.97 32.0	15.8	0.0	0.00	115.8	13.0 0.0	0.0	650	22-Oct
PX3A	83 296	16.82 32.4	16.0	0.0	0.00	182.3	13.7 0.0	0.0	650	23-Oct
PX3A	83 297	12.05 30.8	16.6	0.0	0.00	233.3	13.9 0.0	0.0	650	24-Oct
PX3A	83 298	16.12 30.2	16.8	0.0	0.00	407.8	13.2 0.0	0.0	650	25-Oct
PX3A	83 299	15.50 30.2	16.8	0.0	0.00	407.8	13.0 0.0	0.0	650	26-Oct

SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
                                (ALL PLOTS EXCEPT LYSIMETERS & GRAVEL LAYER)

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.172	0.298	0.379	0.298	0.100	1.47	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK	SAND	SILT	CLAY	SCOND	CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042
0.0	36.2	35.1	28.8	7.3	385.0	3.380	1.184	0.379	0.042
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043

DATAID
AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

LYRSOL
1

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.19E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM GH2OC
6   0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM GH2OC
6   0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM GH2OC
6   0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM GH2OC
6   0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

<u>INRIM</u> <u>GH2OC</u>
6   0.13

<u>TSTBD</u> <u>TSTIMP</u>
0.9   0.1
1.1   0.5
1.3   1.0
1.5   5.6
1.7   15.2
1.9   29.8

<u>INRIM</u> <u>GH2OC</u>
6   0.15

<u>TSTBD</u> <u>TSTIMP</u>
0.9   0.1
1.1   0.2
1.3   0.5
1.5   4.9
1.7   13.9
1.9   27.7

<u>INRIM</u> <u>GH2OC</u>
6   0.30

<u>TSTBD</u> <u>TSTIMP</u>
0.9   0.1
1.1   0.2
1.3   0.5
1.5   0.9
1.7   1.1
1.9   1.3

SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
                                      IN THE USWCL LYSIMETERS (150 CM DEEP)

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM IN 150 CM LYSIMETER. ASSUME ROCK BELOW.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.172	0.298	0.379	0.298	0.100	1.47	0.00	0.0	10.0	8.0
20.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
40.	0.000	0.000	0.000	0.000	0.000	2.72	0.00	0.0	10.0	8.0
-1.										

ROCK		SILT		SCOND						
	SAND		CLAY		CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042
0.0	36.2	35.1	28.8	7.3	385.0	3.380	1.184	0.379	0.042
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043
99.9	00.1	00.0	00.0	0.0	000.0	3.380	1.184	0.000	0.000

DATAID
AVONDALE LOAM IN 150 CM DEEP LYSIMETER

LYRSOL
1

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.15E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM GH2OC
6   0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM GH2OC
6   0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM GH2OC
6   0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

FILENAME: PX4A8301.CT4   SOIL ORGANIC RESIDUE (ALL PLOTS)

ID	TRTNO	STRAW	SDEP	SCN	ROOT
PX4A8301	01	720.	10.	80.	1440.

FILENAME: PX4A8301.CT5   SOIL PROFILE INITIAL CONDITIONS
                                (ALL PLOTS EXCEPT LYSIMETERS)

TRTNO	ID
01	PX4A8301

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	22.7	7.7
5.	0.200	0.0	22.7	7.7
10.	0.240	0.0	22.7	7.7
10.	0.280	0.0	15.0	7.7
20.	0.280	0.0	10.0	8.0
20.	0.280	0.0	10.0	8.0
30.	0.240	0.0	10.0	8.0
30.	0.240	0.0	10.0	8.0
30.	0.240	0.0	10.0	8.0
30.	0.240	0.0	10.0	8.0
-1.				

FILENAME: PX4L8301.CT5   SOIL PROFILE INITIAL CONDITIONS FOR LYSIMETERS

TRTNO	ID
01	PX4L8301

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	22.7	7.7
5.	0.200	0.0	22.7	7.7
10.	0.240	0.0	22.7	7.7
10.	0.280	0.0	15.0	7.7
20.	0.280	0.0	10.0	8.0
20.	0.280	0.0	10.0	8.0
30.	0.240	0.0	10.0	8.0
30.	0.240	0.0	10.0	8.0
20.	0.240	0.0	10.0	8.0
40.	0.000	0.0	0.0	8.0
-1.				

FILENAME: PX4A8301.CT6   IRRIGATION FOR ALL PLOTS EXCEPT LYSIMETERS

TRTNO ID
01 PX4A8301

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
153	100.	3	0.0	0.0	100.0	0.0
164	120.	3	0.0	0.0	100.0	0.0
171	84.	3	0.0	0.0	100.0	0.0
189	120.	3	0.0	0.0	100.0	0.0
208	123.	3	0.0	0.0	100.0	0.0
222	111.	3	0.0	0.0	100.0	0.0
236	120.	3	0.0	0.0	100.0	0.0
250	120.	3	0.0	0.0	100.0	0.0
264	120.	3	0.0	0.0	100.0	0.0
-1						

FILENAME: PX2L8301.CT6   IRRIGATION FOR LYSIMETER 1

TRTNO ID
01 PX2L8301

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
153	70.	3	0.0	0.0	100.0	0.0
164	120.	3	0.0	0.0	100.0	0.0
171	75.	3	0.0	0.0	100.0	0.0
189	120.	3	0.0	0.0	100.0	0.0
208	72.	3	0.0	0.0	100.0	0.0
222	130.	3	0.0	0.0	100.0	0.0
236	100.	3	0.0	0.0	100.0	0.0
250	130.	3	0.0	0.0	100.0	0.0
264	134.	3	0.0	0.0	100.0	0.0
-1						

FILENAME: PX3L8301.CT6   IRRIGATION FOR LYSIMETER 2

TRTNO ID
01 PX3L8301

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
153	70.	3	0.0	0.0	100.0	0.0
164	120.	3	0.0	0.0	100.0	0.0
171	75.	3	0.0	0.0	100.0	0.0
189	120.	3	0.0	0.0	100.0	0.0
208	72.	3	0.0	0.0	100.0	0.0
222	110.	3	0.0	0.0	100.0	0.0
236	95.	3	0.0	0.0	100.0	0.0
250	120.	3	0.0	0.0	100.0	0.0
264	117.	3	0.0	0.0	100.0	0.0
-1						

FILENAME: PX4L8301.CT6   IRRIGATION FOR LYSIMETER 3

TRTNO   ID
01 PX4L8301

JDIRR	AMTIRR	IRRCOD	X1IRR Z1IRR	X2IRR	Z2IRR
153	70.	3	0.0	0.0 100.0	0.0
164	120.	3	0.0	0.0 100.0	0.0
171	75.	3	0.0	0.0 100.0	0.0
189	120.	3	0.0	0.0 100.0	0.0
208	72.	3	0.0	0.0 100.0	0.0
222	65.	3	0.0	0.0 100.0	0.0
236	120.	3	0.0	0.0 100.0	0.0
250	153.	3	0.0	0.0 100.0	0.0
264	153.	3	0.0	0.0 100.0	0.0
-1					

FILENAME: PX4A8301.CT7   FERTILIZER MANAGEMENT (ALL PLOTS)

TRTNO   ID
01 PX4A8301

JDFERT	FERTN DFERT	INTYPE FERTP	IPTYPE FERTK	IKTYPE FERTIN	IITYPE FERCOD	X1FERT Z1FERT	X2FERT Z2FERT
157	124.0 10.0	5	0.0 0	0.0 0	0.0 0 2	0.0	0.0 100.0 10.0
-1							

FILENAME: PX4A8301.CT8   TREATMENT MANAGEMENT FILE

```
   ID   TRTNO                TITLET                      ISOILT  IVARTY
PX4A8301 01 NO CHAMBER, REP#1                               1    70


                          (ISWEED, ISWINS, ISWNEM & ISWDIS) options┐
      ISOW        ROWSPC      IIRR     EFFIRR        THETAC         |
ISIM      PLANTS        SDEPTH  ISWNIT      DSOIL        IMERGE     ↓
 164 160  10.00  1.000   5.00  2  1   0.95  0.00    0.0 164  0  0  0  0

        HISTORY
WINTER WHEAT
```

FILENAME: PX2C8301.CT8   TREATMENT MANAGEMENT FILE

```
   ID   TRTNO                TITLET                      ISOILT  IVARTY
PX2C8301 01 NO CHAMBER, REP #2                              1    70


                          (ISWEED, ISWINS, ISWNEM & ISWDIS) options┐
      ISOW        ROWSPC      IIRR     EFFIRR        THETAC         |
ISIM      PLANTS        SDEPTH  ISWNIT      DSOIL        IMERGE     ↓
 164 160  10.00  1.000   5.00  2  1   0.95  0.00    0.0 164  0  0  0  0

        HISTORY
WINTER WHEAT
```

FILENAME: PX4B8301.CT8   TREATMENT MANAGEMENT FILE

```
   ID   TRTNO                TITLET                      ISOILT  IVARTY
PX4B8301 01 CO2 = AMBIENT,REP#1,CONTAINS LYSIMETER #3      1    70


                          (ISWEED, ISWINS, ISWNEM & ISWDIS) options┐
      ISOW        ROWSPC      IIRR     EFFIRR        THETAC         |
ISIM      PLANTS        SDEPTH  ISWNIT      DSOIL        IMERGE     ↓
 164 160  10.00  1.000   5.00  2  1   0.95  0.00    0.0 164  0  0  0  0

        HISTORY
WINTER WHEAT
```

FILENAME: <u>PX3C8301.CT8</u>   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX3C8301	01	CO2 = AMBIENT, REP#2	1	70

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓		
164 160	10.00	1.000	5.00 2	1	0.95 0.00	0.0 164	0	0 0 0

<u>HISTORY</u>
WINTER WHEAT

FILENAME: <u>PX3B8301.CT8</u>   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX3B8301	01	CO2=500 ppm,REP#1,CONTAINS LYSIMETER #2	1	70

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓		
164 160	10.00	1.000	5.00 2	1	0.95 0.00	0.0 164	0	0 0 0

<u>HISTORY</u>
WINTER WHEAT

FILENAME: <u>PX4C8301.CT8</u>   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX4C8301	01	CO2 = 500 ppm, REP#2	1	70

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓		
164 160	10.00	1.000	5.00 2	1	0.95 0.00	0.0 164	0	0 0 0

<u>HISTORY</u>
WINTER WHEAT

FILENAME: _PX2B8301.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX2B8301	01	CO2=650 ppm,REP #1,CONTAINS LYSIMETER #1	1	70

(ISWEED, ISWINS, ISWNEM & ISWDIS) options ⌐

ISOW		ROWSPC		IIRR	EFFIRR		THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE			↓
164	160	10.00	1.000	5.00	2	1	0.95	0.00	0.0 164	0 0	0 0

HISTORY

WINTER WHEAT

FILENAME: _PX3A8301.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX3A8301	01	CO2 = 650 ppm, REP#2	1	70

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

ISOW		ROWSPC		IIRR	EFFIRR		THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE			↓
164	160	10.00	1.000	5.00	2	1	0.95	0.00	0.0 164	0 0	0 0

HISTORY

WINTER WHEAT

FILENAME: PX4A8301.CTA   FINAL HARVEST DATA FILE (NO CHAMBER,REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX4A8301	01	600.	1200.	0.0787	68.	22.	4.0	6880.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX2C8301.CTA   FINAL HARVEST DATA FILE (NO CHAMBER,REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX2C8301	01	500.	1100.	0.0711	63.	21.	4.3	7600.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX4B8301.CTA   FINAL HARVEST DATA FILE (AMBIENT, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX4B8301	01	1040.	1600.	0.0762	84.	22.	6.1	8680.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX4L8301.CTA   FINAL HARVEST DATA FILE (AMBIENT,REP #1,LYSIMETER)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX4L8301	01	920.	1540.	0.0923	74.	16.	-9.0	10520.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX3C8301.CTA   FINAL HARVEST DATA FILE (AMBIENT,REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX3C8301	01	1020.	1540.	0.0790	80.	20.	4.4	8760.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX3B8301.CTA   FINAL HARVEST DATA FILE (CO2=500,REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX3B8301	01	1670.	2640.	0.0864	123.	22.	8.5	13460.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX3L8301.CTA   FINAL HARVEST DATA FILE (CO2=500,REP #1,LYSIMETER)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX3L8301	01	1130.	1720.	0.0828	95.	15.	-9.0	12310.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX4C8301.CTA   FINAL HARVEST DATA FILE (CO2=500,REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX4C8301	01	1010.	1500.	0.0857	70.	27.	4.6	8340.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX2B8301.CTA   FINAL HARVEST DATA FILE (CO2=650,REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX2B8301	01	1720.	3670.	0.0884	156.	25.	8.1	16290.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX2L8301.CTA   FINAL HARVEST DATA FILE (CO2=650,REP #1,LYSIMETER)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX2L8301	01	1900.	2890.	0.0820	144.	23.	-9.0	13350.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX3A8301.CTA   FINAL HARVEST DATA FILE (CO2=650,REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX3A8301	01	1220.	2460.	0.0862	101.	21.	9.3	12320.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX4A8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (NO CHAMBER, REP #1)

	TRTNO	JSQRJD	
ID		JEMRGD	JFLRJD
PX4A8301	01	164	199 230

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
199	10.	0.18	73	10	0	0	0	0	112.	40.	-9.	0.	0.
206	13.	0.20	83	3	0	0	0	0	100.	38.	-9.	0.	0.
213	27.	1.01	130	123	1	0	0	0	491.	319.	-9.	0.	0.
220	47.	1.95	153	203	2	3	0	40	960.	863.	-9.	0.	0.
234	66.	3.02	190	213	8	27	0	63	1392.	1305.	-9.	173.	0.
249	93.	3.97	220	167	5	97	0	133	2209.	2891.	-9.	1024.	0.
299	81.	-9.00	199	-9	-9	3	68	-9	-9.	-9.	480.	90.	2650.

-1

FILENAME: PX2C8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (NO CHAMBER, REP #2)

	TRTNO	JSQRJD	
ID		JEMRGD	JFLRJD
PX2C8301	01	164	199 230

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
199	17.	0.39	103	47	0	0	0	0	233.	99.	-9.	0.	0.
206	38.	1.17	137	133	0	0	0	37	600.	423.	-9.	0.	0.
213	42.	1.74	167	230	1	0	0	57	962.	775.	-9.	0.	0.
220	54.	2.44	170	250	4	10	0	37	1163.	1124.	-9.	0.	0.
234	71.	4.32	207	337	5	107	0	147	2026.	2241.	-9.	1281.	0.
249	87.	3.63	250	123	3	110	0	190	1709.	2930.	-9.	2040.	0.
299	85.	-9.00	235	-9	-9	10	63	-9	-9.	-9.	630.	250.	2380.

-1

FILENAME: PX4B8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                             (AMBIENT, REP #1)

	TRTNO	JSQRJD		
ID		JEMRGD	JFLRJD	
PX4B8301	01	164	199	232

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
199	18.	0.36	107	20	0	0	0	0	169.	76.	-9.	0.	0.
206	21.	0.36	113	7	0	0	0	20	162.	87.	-9.	0.	0.
213	43.	1.22	150	280	0	0	0	57	609.	524.	-9.	0.	0.
220	77.	3.86	207	387	1	3	0	63	1425.	1663.	-9.	0.	0.
234	91.	4.69	237	380	6	23	0	80	2324.	2502.	-9.	79.	0.
249	117.	6.06	257	247	6	110	0	97	2477.	3481.	-9.	1063.	0.
299	93.	-9.00	248	-9	-9	39	353	-9	-9.	-9.	810.	390.	3530.

-1

FILENAME: PX4L8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                             (AMBIENT, REP #1, LYSIMETER)

	TRTNO	JSQRJD		
ID		JEMRGD	JFLRJD	
PX4L8301	01	164	192	227

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH

-1

FILENAME: PX3C8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                             (AMBIENT, REP #2)

	TRTNO	JSQRJD		
ID		JEMRGD	JFLRJD	
PX3C8301	01	164	199	232

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
199	11.	0.18	80	10	0	0	0	0	103.	39.	-9.	0.	0.
206	19.	0.56	120	40	0	0	0	10	259.	125.	-9.	0.	0.
213	28.	0.93	150	53	1	0	0	40	461.	269.	-9.	0.	0.
220	36.	1.28	170	130	1	7	0	17	606.	489.	-9.	0.	0.
234	72.	4.39	217	343	5	57	0	87	2007.	2264.	-9.	277.	0.
249	88.	3.42	223	247	6	63	0	77	1517.	1896.	-9.	352.	0.
299	81.	-9.00	257	167	-9	20	80	-9	-9.	-9.	570.	680.	3430.

-1

FILENAME: PX3B8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                          (CO2=500, REP #1)

```
          TRTNO    JSQRJD
   ID           JEMRGD   JFLRJD
PX3B8301 01  164   195   227
```

NOVAR
```
13 1 2 3 4 5 6 7 8 9 10 11 12 13
```

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
199	20.	0.59	113	50	0	0	0	3	343.	158.	-9.	0.	0.
206	33.	0.66	120	37	0	0	0	10	301.	215.	-9.	0.	0.
213	57.	1.97	163	190	1	0	0	50	1042.	978.	-9.	0.	0.
220	70.	4.36	187	483	3	23	0	57	1877.	2692.	-9.	0.	0.
234	109.	6.10	237	420	7	70	0	117	2693.	3861.	-9.	154.	0.
249	108.	8.52	243	193	7	167	0	227	4223.	6357.	-9.	2077.	0.
299	99.	-9.00	233	-9	-9	19	123	-9	-9.	-9.	1130.	710.	5680.
-1

FILENAME: PX3L8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                          (CO2=500, REP #1, LYSIMETER)

```
          TRTNO    JSQRJD
   ID           JEMRGD   JFLRJD
PX3L8301 01  164   195   227
```

NOVAR
```
13 1 2 3 4 5 6 7 8 9 10 11 12 13
```

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
-1

FILENAME: PX4C8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
                          (CO2=500, REP #2)

```
          TRTNO    JSQRJD
   ID           JEMRGD   JFLRJD
PX4C8301 01  164   195   227
```

NOVAR
```
13 1 2 3 4 5 6 7 8 9 10 11 12 13
```

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
199	18.	0.34	90	33	0	0	0	0	206.	98.	-9.	0.	0.
206	32.	0.88	123	73	0	0	0	17	357.	225.	-9.	0.	0.
213	40.	1.37	140	177	0	3	0	43	746.	632.	-9.	0.	0.
220	57.	2.66	177	373	1	20	0	80	1352.	1525.	-9.	0.	0.
234	80.	4.63	223	450	8	127	0	53	2442.	3014.	-9.	715.	0.
249	127.	4.52	257	167	7	290	0	420	2414.	3753.	-9.	5099.	0.
299	82.	-9.00	220	-9	-9	28	70	-9	-9.	-9.	630.	940.	3380.
-1

FILENAME: PX2B8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX2B8301	01	164	192	227

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM	JNMBLM			XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
199	27.	0.72	117	70	0	0	0	7	466.	230.	-9.	0.	0.
206	48.	1.24	150	93	0	0	0	40	591.	504.	-9.	0.	0.
213	83.	4.73	203	523	2	0	0	213	2550.	3066.	-9.	0.	0.
220	90.	5.78	203	583	8	27	0	90	2750.	3644.	-9.	0.	0.
234	112.	5.85	233	523	10	97	0	133	3310.	4912.	-9.	460.	0.
249	132.	8.08	257	117	4	330	0	423	5150.	8202.	-9.	6345.	0.
299	136.	-9.00	189	-9	-9	13	156	-9	-9.	-9.	1670.	500.	7180.
-1												

FILENAME: PX2L8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, REP #1, LYSIMETER)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX2L8301	01	164	192	227

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM	JNMBLM		XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM	JNGBLM	JNABSM		XWSTMH		XWGBLH	
-1											

FILENAME: PX3A8301.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX3A8301	01	164	192	227

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM	JNMBLM			XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
199	10.	0.13	67	7	0	0	0	0	89.	33.	-9.	0.	0.
206	24.	0.61	117	80	0	0	0	0	308.	168.	-9.	0.	0.
213	40.	1.48	157	140	0	0	0	73	1151.	729.	-9.	0.	0.
220	62.	4.58	183	460	1	3	0	63	2124.	1882.	-9.	0.	0.
234	96.	3.63	220	327	8	33	0	80	1978.	2494.	-9.	87.	0.
249	111.	9.31	257	417	9	350	0	553	4699.	8662.	-9.	5396.	0.
299	99.	-9.00	208	-9	-9	38	101	-9	-9.	-9.	780.	1340.	4940.
-1												

1984 DATA

FILENAME: CTEXP84.DIR   EXPERIMENT FILE DIRECTORY FOR 1984

 EXPID , EXPERIMENT DESCRIPTION,   WEATHER FILE, SOIL FILE,
SOIL NITR., INITIAL SOIL, IRRIGATION, NITR. FERT, CROP MANAGMENT, GENETICS,
FINAL HARVEST, INTER GROWTH, OUTPUT 1, OUTPUT 2, OUTPUT 3, OUTPUT 4

PX088401 1984, CO2=NO CHAMBER,IRG=DRY,REP=1   PX080407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX088401.CT6 PX088401.CT7 PX088401.CT8 GENETICS.CT9
PX088401.CTA PX088401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX118401 1984, CO2=NO CHAMBER,IRG=DRY,REP=2   PX110407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX118401.CT6 PX088401.CT7 PX118401.CT8 GENETICS.CT9
PX118401.CTA PX118401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX018401 1984, CO2=NO CHAMBER,IRG=WET,REP=1   PX010407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX018401.CT6 PX088401.CT7 PX018401.CT8 GENETICS.CT9
PX018401.CTA PX018401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX138401 1984, CO2=NO CHAMBER,IRG=WET,REP=2   PX130407.W84 AVONGRAV.CT2
PX088401.CT4 PX138401.CT5 PX138401.CT6 PX088401.CT7 PX138401.CT8 GENETICS.CT9
PX138401.CTA PX138401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX068401 1984, CO2=AMBIENT,IRG=DRY,REP=1   PX060407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX088401.CT6 PX088401.CT7 PX068401.CT8 GENETICS.CT9
PX068401.CTA PX068401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX128401 1984, CO2=AMBIENT,IRG=DRY,REP=2   PX120407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX118401.CT6 PX088401.CT7 PX128401.CT8 GENETICS.CT9
PX128401.CTA PX128401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX038401 1984, CO2=AMBIENT,IRG=WET,REP=1   PX030407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX018401.CT6 PX088401.CT7 PX038401.CT8 GENETICS.CT9
PX038401.CTA PX038401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX148401 1984, CO2=AMBIENT,IRG=WET,REP=2   PX140407.W84 AVONGRAV.CT2
PX088401.CT4 PX138401.CT5 PX138401.CT6 PX088401.CT7 PX148401.CT8 GENETICS.CT9
PX148401.CTA PX148401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX058401 1984, CO2= 500,IRG=DRY,REP=1   PX050407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX088401.CT6 PX088401.CT7 PX058401.CT8 GENETICS.CT9
PX058401.CTA PX058401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX108401 1984, CO2= 500,IRG=DRY,REP=2   PX100407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX118401.CT6 PX088401.CT7 PX108401.CT8 GENETICS.CT9
PX108401.CTA PX108401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

```
PX028401 1984, CO2- 500,IRG-WET,REP-1              PX020407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX018401.CT6 PX088401.CT7 PX028401.CT8 GENETICS.CT9
PX028401.CTA PX028401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX168401 1984, CO2- 500,IRG-WET,REP-2              PX160407.W84 AVONGRAV.CT2
PX088401.CT4 PX138401.CT5 PX138401.CT6 PX088401.CT7 PX168401.CT8 GENETICS.CT9
PX168401.CTA PX168401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX078401 1984, CO2- 650,IRG-DRY,REP-1              PX070407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX088401.CT6 PX088401.CT7 PX078401.CT8 GENETICS.CT9
PX078401.CTA PX078401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX098401 1984, CO2- 650,IRG-DRY,REP-2              PX090407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX118401.CT6 PX088401.CT7 PX098401.CT8 GENETICS.CT9
PX098401.CTA PX098401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX048401 1984, CO2- 650,IRG=WET,REP=1              PX040407.W84 AVONDALE.CT2
PX088401.CT4 PX088401.CT5 PX018401.CT6 PX088401.CT7 PX048401.CT8 GENETICS.CT9
PX048401.CTA PX048401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX158401 1984, CO2- 650,IRG-WET,REP-2              PX150407.W84 AVONGRAV.CT2
PX088401.CT4 PX138401.CT5 PX138401.CT6 PX088401.CT7 PX158401.CT8 GENETICS.CT9
PX158401.CTA PX158401.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT
```

FILENAME: WTH84.DIR   WEATHER FILE DIRECTORY FOR 1984

WTHID	WEATHER STATION DESCRIPTION	BEGDATE	ENDDATE	WEATHER FILE
PX08	PHOENIX,AZ,CO2=NO CHAMBER,IRG=DRY,REP=1	04/06/84	10/16/84	PX080407.W84
PX11	PHOENIX,AZ,CO2=NO CHAMBER,IRG=DRY,REP=2	04/06/84	10/16/84	PX110407.W84
PX01	PHOENIX,AZ,CO2=NO CHAMBER,IRG=WET,REP=1	04/06/84	10/16/84	PX010407.W84
PX13	PHOENIX,AZ,CO2=NO CHAMBER,IRG=WET,REP=2	04/06/84	10/16/84	PX130407.W84
PX06	PHOENIX,AZ,CO2=AMBIENT,IRG=DRY,REP=1	04/06/84	10/16/84	PX060407.W84
PX12	PHOENIX,AZ,CO2=AMBIENT,IRG=DRY,REP=2	04/06/84	10/16/84	PX120407.W84
PX03	PHOENIX,AZ,CO2=AMBIENT,IRG=WET,REP=1	04/06/84	10/16/84	PX030407.W84
PX14	PHOENIX,AZ,CO2=AMBIENT,IRG=WET,REP=2	04/06/84	10/16/84	PX140407.W84
PX05	PHOENIX,AZ,CO2= 500,IRG=DRY,REP=1	04/06/84	10/16/84	PX050407.W84
PX10	PHOENIX,AZ,CO2= 500,IRG=DRY,REP=2	04/06/84	10/16/84	PX100407.W84
PX02	PHOENIX,AZ,CO2= 500,IRG=WET,REP=1	04/06/84	10/16/84	PX020407.W84
PX16	PHOENIX,AZ,CO2= 500,IRG=WET,REP=2	04/06/84	10/16/84	PX160407.W84
PX07	PHOENIX,AZ,CO2= 650,IRG=DRY,REP=1	04/06/84	10/16/84	PX070407.W84
PX09	PHOENIX,AZ,CO2= 650,IRG=DRY,REP=2	04/06/84	10/16/84	PX090407.W84
PX04	PHOENIX,AZ,CO2= 650,IRG=WET,REP=1	04/06/84	10/16/84	PX040407.W84
PX15	PHOENIX,AZ,CO2= 650,IRG=WET,REP=2	04/06/84	10/16/84	PX150407.W84

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC			↓			CO2YR	WINDYR
PX08	33.40	112.00	2.30	0 1	1	0	1		350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX08	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX08	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX08	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX08	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX08	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX08	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX08	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX08	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX08	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX08	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX08	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX08	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX08	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX08	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX08	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX08	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX08	84 114	30.04	32.3	15.1	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX08	84 115	30.34	32.7	14.0	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX08	84 116	18.07	26.4	13.4	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX08	84 117	13.86	22.6	10.2	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX08	84 118	9.55	22.6	8.0	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX08	84 119	1.43	19.7	10.7	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX08	84 120	28.70	24.7	4.2	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX08	84 121	19.17	27.3	8.5	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX08	84 122	22.03	28.9	10.7	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX08	84 123	28.45	29.8	11.3	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX08	84 124	29.76	32.7	15.6	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX08	84 125	30.46	33.6	17.2	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX08	84 126	29.90	32.7	17.8	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX08	84 127	30.20	32.7	16.7	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX08	84 128	30.00	34.0	17.8	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX08	84 129	31.00	35.2	16.1	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX08	84 130	30.25	36.5	18.3	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX08	84 131	30.25	36.9	17.8	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX08	84 132	30.50	36.1	18.3	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX08	84 133	17.50	34.8	19.9	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX08	84 134	29.50	36.5	19.9	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX08	84 135	27.60	36.1	22.1	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX08	84 136	24.00	34.0	18.3	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX08	84 137	30.70	33.6	16.1	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX08	84 138	30.25	34.0	18.9	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX08	84 139	30.40	34.8	18.9	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX08	84 140	31.00	35.7	18.9	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX08	84 141	30.70	36.1	19.4	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX08	84 142	30.60	36.5	19.9	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

INSTW		JUL		XTMAX		XRAIN		WIND		STMAX		CO2	
PX08	84	143	31.20	36.9	19.9	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX08	84	144	31.00	38.6	18.9	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX08	84	145	31.40	38.2	19.9	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX08	84	146	31.60	38.2	19.9	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX08	84	147	31.20	38.6	19.4	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX08	84	148	31.60	39.0	20.5	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX08	84	149	31.80	40.7	20.5	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX08	84	150	27.40	39.4	24.3	0.0	0.00	224.6	5.8	0.0	0.0	350	29-May
PX08	84	151	22.30	39.6	25.1	0.0	0.00	181.4	6.1	0.0	0.0	350	30-May
PX08	84	152	29.20	37.4	21.4	0.0	0.00	112.3	9.7	0.0	0.0	350	31-May
PX08	84	153	30.70	36.6	22.3	0.0	0.00	164.2	5.4	0.0	0.0	350	01-Jun
PX08	84	154	30.60	36.5	20.5	0.0	0.00	181.4	4.6	0.0	0.0	350	02-Jun
PX08	84	155	31.40	35.5	22.7	0.0	0.00	190.1	-1.4	0.0	0.0	350	03-Jun
PX08	84	156	26.70	34.5	18.4	0.0	0.00	181.4	5.8	0.0	0.0	350	04-Jun
PX08	84	157	25.30	31.2	18.1	0.0	0.00	138.2	5.9	0.0	0.0	350	05-Jun
PX08	84	158	29.40	34.5	18.4	0.0	0.00	181.4	4.8	0.0	0.0	350	06-Jun
PX08	84	159	31.40	31.2	18.1	0.0	0.00	155.5	5.4	0.0	0.0	350	07-Jun
PX08	84	160	30.80	33.5	17.5	0.0	0.00	129.6	3.6	0.0	0.0	350	08-Jun
PX08	84	161	30.90	35.4	19.4	0.0	0.00	65.0	1.5	0.0	0.0	350	09-Jun
PX08	84	162	30.80	38.5	19.7	0.0	0.00	198.7	1.3	0.0	0.0	350	10-Jun
PX08	84	163	30.90	36.2	17.8	0.0	0.00	190.1	0.9	0.0	0.0	350	11-Jun
PX08	84	164	31.60	37.9	16.5	0.0	0.00	190.1	2.3	0.0	0.0	350	12-Jun
PX08	84	165	31.80	39.3	17.5	0.0	0.00	155.5	-6.0	0.0	0.0	350	13-Jun
PX08	84	166	31.30	38.0	19.5	0.0	0.00	164.2	2.1	0.0	0.0	350	14-Jun
PX08	84	167	32.00	37.7	18.2	0.0	0.00	112.3	1.3	0.0	0.0	350	15-Jun
PX08	84	168	31.70	35.1	19.0	0.0	0.00	112.3	-6.0	0.0	0.0	350	16-Jun
PX08	84	169	31.80	37.3	16.6	0.0	0.00	65.0	-0.5	0.0	0.0	350	17-Jun
PX08	84	170	30.90	37.6	17.8	0.0	0.00	112.3	1.9	0.0	0.0	350	18-Jun
PX08	84	171	30.60	38.9	21.8	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Jun
PX08	84	172	31.90	37.3	19.9	0.0	0.00	138.2	3.0	0.0	0.0	350	20-Jun
PX08	84	173	31.70	37.0	17.9	0.0	0.00	164.2	3.6	0.0	0.0	350	21-Jun
PX08	84	174	31.00	36.8	20.6	0.0	0.00	112.3	6.4	0.0	0.0	350	22-Jun
PX08	84	175	29.60	37.3	20.4	0.0	0.00	103.7	6.4	0.0	0.0	350	23-Jun
PX08	84	176	23.20	37.8	22.5	0.0	0.00	103.7	11.4	0.0	0.0	350	24-Jun
PX08	84	177	24.00	33.6	22.9	4.0	0.00	146.9	17.7	0.0	0.0	350	25-Jun
PX08	84	178	29.70	37.1	24.8	0.0	0.00	103.7	19.1	0.0	0.0	350	26-Jun
PX08	84	179	23.70	38.1	26.4	0.0	0.00	65.0	17.8	0.0	0.0	350	27-Jun
PX08	84	180	29.80	38.7	23.1	0.0	0.00	164.2	18.7	0.0	0.0	350	28-Jun
PX08	84	181	29.40	36.0	23.4	3.0	0.00	164.2	18.4	0.0	0.0	350	29-Jun
PX08	84	182	18.30	33.4	24.1	1.0	0.00	103.7	18.4	0.0	0.0	350	30-Jun
PX08	84	183	25.30	36.4	20.3	0.0	0.00	129.6	17.5	0.0	0.0	350	01-Jul
PX08	84	184	22.80	35.4	23.0	0.0	0.00	129.6	15.7	0.0	0.0	350	02-Jul
PX08	84	185	20.30	36.5	24.5	0.0	0.00	129.6	14.1	0.0	0.0	350	03-Jul
PX08	84	186	30.80	39.9	26.2	0.0	0.00	138.2	14.0	0.0	0.0	350	04-Jul
PX08	84	187	29.90	37.3	26.6	0.0	0.00	103.7	13.5	0.0	0.0	350	05-Jul
PX08	84	188	28.40	37.5	27.0	0.0	0.00	138.2	13.4	0.0	0.0	350	06-Jul
PX08	84	189	29.70	35.0	23.8	0.0	0.00	146.9	14.1	0.0	0.0	350	07-Jul
PX08	84	190	28.50	33.6	25.8	0.0	0.00	198.7	15.7	0.0	0.0	350	08-Jul
PX08	84	191	29.90	34.8	23.9	0.0	0.00	138.2	15.8	0.0	0.0	350	09-Jul
PX08	84	192	29.30	37.7	25.7	0.0	0.00	155.5	14.0	0.0	0.0	350	10-Jul
PX08	84	193	24.80	33.9	25.4	0.0	0.00	129.6	14.0	0.0	0.0	350	11-Jul
PX08	84	194	23.80	36.6	21.8	0.0	0.00	129.6	15.8	0.0	0.0	350	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	84	195	22.50	34.6	23.0	5.0	0.00	129.6	17.5	0.0	0.0	350	13-Jul
PX08	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.5	0.0	0.0	350	14-Jul
PX08	84	197	29.60	35.5	24.4	0.0	0.00	181.4	17.6	0.0	0.0	350	15-Jul
PX08	84	198	28.80	37.8	24.8	0.0	0.00	190.1	16.5	0.0	0.0	350	16-Jul
PX08	84	199	24.60	36.0	22.7	1.0	0.00	146.9	17.3	0.0	0.0	350	17-Jul
PX08	84	200	21.50	33.9	22.2	9.0	0.00	129.6	17.2	0.0	0.0	350	18-Jul
PX08	84	201	18.90	34.6	22.8	0.0	0.00	121.0	16.6	0.0	0.0	350	19-Jul
PX08	84	202	23.10	33.4	20.6	3.0	0.00	138.2	17.5	0.0	0.0	350	20-Jul
PX08	84	203	16.50	29.5	19.1	34.0	0.00	65.0	17.8	0.0	0.0	350	21-Jul
PX08	84	204	16.60	28.7	22.1	0.0	0.00	103.7	19.2	0.0	0.0	350	22-Jul
PX08	84	205	29.60	33.3	21.2	0.0	0.00	86.4	18.0	0.0	0.0	350	23-Jul
PX08	84	206	25.50	37.5	24.2	0.0	0.00	69.1	16.2	0.0	0.0	350	24-Jul
PX08	84	207	23.60	37.5	25.6	0.0	0.00	95.0	14.3	0.0	0.0	350	25-Jul
PX08	84	208	26.90	34.4	22.6	0.0	0.00	112.3	13.6	0.0	0.0	350	26-Jul
PX08	84	209	18.00	33.3	21.2	0.0	0.00	112.3	16.4	0.0	0.0	350	27-Jul
PX08	84	210	26.50	34.4	19.1	100.0	0.00	65.0	16.8	0.0	0.0	350	28-Jul
PX08	84	211	25.80	33.1	22.3	0.0	0.00	77.8	17.5	0.0	0.0	350	29-Jul
PX08	84	212	26.90	34.6	23.5	0.0	0.00	69.1	16.4	0.0	0.0	350	30-Jul
PX08	84	213	23.70	35.9	24.9	0.0	0.00	86.4	16.8	0.0	0.0	350	31-Jul
PX08	84	214	26.90	35.2	23.3	0.0	0.00	95.0	13.5	0.0	0.0	350	01-Aug
PX08	84	215	24.50	34.8	22.6	0.0	0.00	60.5	12.7	0.0	0.0	350	02-Aug
PX08	84	216	27.60	37.5	23.2	0.0	0.00	77.8	12.2	0.0	0.0	350	03-Aug
PX08	84	217	27.60	37.8	23.8	0.0	0.00	121.0	13.1	0.0	0.0	350	04-Aug
PX08	84	218	26.80	35.8	23.5	0.0	0.00	103.7	15.9	0.0	0.0	350	05-Aug
PX08	84	219	27.70	37.8	24.6	0.0	0.00	112.3	13.5	0.0	0.0	350	06-Aug
PX08	84	220	26.60	38.4	24.0	0.0	0.00	112.3	12.3	0.0	0.0	350	07-Aug
PX08	84	221	27.10	35.5	23.3	0.0	0.00	129.6	14.3	0.0	0.0	350	08-Aug
PX08	84	222	21.50	34.2	21.8	5.0	0.00	138.2	17.3	0.0	0.0	350	09-Aug
PX08	84	223	24.70	32.2	22.2	0.0	0.00	95.0	17.9	0.0	0.0	350	10-Aug
PX08	84	224	12.40	32.0	23.9	0.0	0.00	121.0	18.4	0.0	0.0	350	11-Aug
PX08	84	225	26.30	35.1	23.2	0.0	0.00	86.4	17.3	0.0	0.0	350	12-Aug
PX08	84	226	26.60	33.8	24.2	0.0	0.00	138.2	18.1	0.0	0.0	350	13-Aug
PX08	84	227	20.30	32.9	20.3	2.0	0.00	112.3	18.1	0.0	0.0	350	14-Aug
PX08	84	228	23.80	33.7	23.3	0.0	0.00	86.4	19.1	0.0	0.0	350	15-Aug
PX08	84	229	23.60	34.8	24.2	0.0	0.00	112.3	18.2	0.0	0.0	350	16-Aug
PX08	84	230	22.00	34.3	22.5	0.0	0.00	112.3	17.8	0.0	0.0	350	17-Aug
PX08	84	231	21.30	31.4	20.8	0.0	0.00	95.0	16.7	0.0	0.0	350	18-Aug
PX08	84	232	21.50	30.8	22.2	0.0	0.00	112.3	17.9	0.0	0.0	350	19-Aug
PX08	84	233	22.30	32.0	20.8	0.0	0.00	95.0	16.6	0.0	0.0	350	20-Aug
PX08	84	234	25.50	34.7	21.8	0.0	0.00	86.4	14.9	0.0	0.0	350	21-Aug
PX08	84	235	19.50	34.8	23.2	0.0	0.00	121.0	14.7	0.0	0.0	350	22-Aug
PX08	84	236	14.30	31.2	23.8	2.0	0.00	86.4	15.8	0.0	0.0	350	23-Aug
PX08	84	237	24.70	34.5	20.5	0.0	0.00	112.3	15.1	0.0	0.0	350	24-Aug
PX08	84	238	23.10	33.1	20.8	0.0	0.00	86.4	15.3	0.0	0.0	350	25-Aug
PX08	84	239	25.30	34.9	23.4	0.0	0.00	69.1	15.0	0.0	0.0	350	26-Aug
PX08	84	240	22.30	34.4	21.8	0.0	0.00	51.8	14.3	0.0	0.0	350	27-Aug
PX08	84	241	24.80	34.9	24.3	0.0	0.00	0.0	15.0	0.0	0.0	350	28-Aug
PX08	84	242	25.30	38.8	23.4	0.0	0.00	0.0	12.7	0.0	0.0	350	29-Aug
PX08	84	243	25.00	38.6	22.9	0.0	0.00	17.3	11.2	0.0	0.0	350	30-Aug
PX08	84	244	21.30	37.2	26.1	0.0	0.00	51.8	12.7	0.0	0.0	350	31-Aug
PX08	84	245	24.10	34.6	19.4	20.0	0.00	60.5	16.4	0.0	0.0	350	01-Sep
PX08	84	246	24.10	31.9	19.8	0.0	0.00	17.3	18.7	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	84	247	24.50	36.1	20.9	0.0	0.00	77.8	18.0	0.0	0.0	350	03-Sep
PX08	84	248	24.80	36.2	16.6	0.0	0.00	138.2	13.8	0.0	0.0	350	04-Sep
PX08	84	249	26.10	36.4	13.6	0.0	0.00	138.2	5.3	0.0	0.0	350	05-Sep
PX08	84	250	25.40	34.8	17.5	0.0	0.00	95.0	3.0	0.0	0.0	350	06-Sep
PX08	84	251	24.10	34.2	18.4	0.0	0.00	86.4	7.7	0.0	0.0	350	07-Sep
PX08	84	252	23.90	34.6	21.7	0.0	0.00	86.4	14.8	0.0	0.0	350	08-Sep
PX08	84	253	22.00	33.9	22.0	0.0	0.00	112.3	15.9	0.0	0.0	350	09-Sep
PX08	84	254	21.50	34.1	20.1	46.0	0.00	86.4	20.5	0.0	0.0	350	10-Sep
PX08	84	255	15.10	39.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX08	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	350	12-Sep
PX08	84	257	22.10	35.4	18.6	0.0	0.00	77.8	16.8	0.0	0.0	350	13-Sep
PX08	84	258	21.80	36.9	22.2	0.0	0.00	69.1	15.9	0.0	0.0	350	14-Sep
PX08	84	259	23.10	35.6	23.5	1.0	0.00	155.5	13.6	0.0	0.0	350	15-Sep
PX08	84	260	23.10	35.2	22.5	0.0	0.00	95.0	13.1	0.0	0.0	350	16-Sep
PX08	84	261	19.30	35.6	22.9	0.0	0.00	77.8	13.3	0.0	0.0	350	17-Sep
PX08	84	262	22.20	36.5	22.3	0.0	0.00	121.0	12.1	0.0	0.0	350	18-Sep
PX08	84	263	21.70	36.2	21.4	0.0	0.00	95.0	12.1	0.0	0.0	350	19-Sep
PX08	84	264	21.50	36.6	19.2	0.0	0.00	112.3	10.4	0.0	0.0	350	20-Sep
PX08	84	265	18.80	34.7	20.3	2.0	0.00	121.0	13.0	0.0	0.0	350	21-Sep
PX08	84	266	20.90	34.4	20.5	0.0	0.00	138.2	13.9	0.0	0.0	350	22-Sep
PX08	84	267	19.60	34.4	21.5	0.0	0.00	121.0	13.1	0.0	0.0	350	23-Sep
PX08	84	268	3.70	33.0	20.3	0.0	0.00	86.4	12.8	0.0	0.0	350	24-Sep
PX08	84	269	3.90	26.3	20.2	8.0	0.00	69.1	17.6	0.0	0.0	350	25-Sep
PX08	84	270	20.10	22.8	18.2	20.0	0.00	17.3	16.6	0.0	0.0	350	26-Sep
PX08	84	271	20.60	31.6	16.7	0.0	0.00	17.3	16.1	0.0	0.0	350	27-Sep
PX08	84	272	20.00	33.3	18.9	0.0	0.00	25.9	14.1	0.0	0.0	350	28-Sep
PX08	84	273	14.20	34.1	17.8	0.0	0.00	51.8	14.0	0.0	0.0	350	29-Sep
PX08	84	274	17.60	31.0	19.0	0.0	0.00	146.9	12.6	0.0	0.0	350	30-Sep
PX08	84	275	18.60	32.0	19.7	0.0	0.00	86.4	11.4	0.0	0.0	350	01-Oct
PX08	84	276	18.60	29.1	17.1	0.0	0.00	86.4	11.2	0.0	0.0	350	02-Oct
PX08	84	277	18.70	29.1	17.1	5.0	0.00	77.8	11.2	0.0	0.0	350	03-Oct
PX08	84	278	18.90	27.6	13.1	0.0	0.00	69.1	11.9	0.0	0.0	350	04-Oct
PX08	84	279	19.00	26.7	11.9	0.0	0.00	69.1	11.0	0.0	0.0	350	05-Oct
PX08	84	280	19.00	30.1	14.0	0.0	0.00	60.5	9.7	0.0	0.0	350	06-Oct
PX08	84	281	19.10	32.9	14.9	0.0	0.00	51.8	9.3	0.0	0.0	350	07-Oct
PX08	84	282	18.70	33.8	15.5	0.0	0.00	51.8	7.5	0.0	0.0	350	08-Oct
PX08	84	283	18.20	33.3	15.5	0.0	0.00	60.5	8.0	0.0	0.0	350	09-Oct
PX08	84	284	17.70	30.0	15.1	0.0	0.00	86.4	8.5	0.0	0.0	350	10-Oct
PX08	84	285	14.30	28.4	16.2	0.0	0.00	60.5	13.2	0.0	0.0	350	11-Oct
PX08	84	286	17.60	26.7	17.4	0.0	0.00	60.5	12.8	0.0	0.0	350	12-Oct
PX08	84	287	16.60	28.2	14.0	0.0	0.00	112.3	9.2	0.0	0.0	350	13-Oct
PX08	84	288	17.80	28.3	12.6	0.0	0.00	69.1	7.8	0.0	0.0	350	14-Oct
PX08	84	289	14.80	25.3	13.3	0.0	0.00	164.2	3.9	0.0	0.0	350	15-Oct
PX08	84	290	17.20	20.3	8.9	0.0	0.00	103.7	-8.6	0.0	0.0	350	16-Oct

```
                          options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG PARFAC        ↓        CO2YR WINDYR
PX11  33.40 112.00  2.30  0 1 1 0 1  350    0.0
```

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX11	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX11	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX11	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX11	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX11	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX11	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX11	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX11	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX11	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX11	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX11	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX11	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX11	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX11	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX11	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX11	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX11	84 114	30.04	31.9	15.6	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX11	84 115	30.34	32.3	14.5	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX11	84 116	18.07	26.6	14.0	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX11	84 117	13.86	23.2	10.8	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX11	84 118	9.55	23.2	8.7	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX11	84 119	1.43	20.6	11.4	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX11	84 120	28.70	25.1	5.0	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX11	84 121	19.17	27.4	9.2	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX11	84 122	22.03	28.9	11.4	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX11	84 123	28.45	29.6	11.9	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX11	84 124	29.76	32.3	16.1	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX11	84 125	30.46	33.0	17.7	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX11	84 126	29.90	32.3	18.3	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX11	84 127	30.20	32.3	17.2	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX11	84 128	30.00	33.4	18.3	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX11	84 129	31.00	34.6	16.7	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX11	84 130	30.25	35.7	18.8	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX11	84 131	30.25	36.1	18.3	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX11	84 132	30.50	35.3	18.8	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX11	84 133	17.50	34.2	20.4	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX11	84 134	29.50	35.7	20.4	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX11	84 135	27.60	35.3	22.5	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX11	84 136	24.00	33.4	18.8	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX11	84 137	30.70	33.0	16.7	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX11	84 138	30.25	33.4	19.3	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX11	84 139	30.40	34.2	19.3	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX11	84 140	31.00	34.9	19.3	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX11	84 141	30.70	35.3	19.9	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX11	84 142	30.60	35.7	20.4	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	84	143	31.20	36.1	20.4	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX11	84	144	31.00	37.6	19.3	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX11	84	145	31.40	37.2	20.4	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX11	84	146	31.60	37.2	20.4	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX11	84	147	31.20	37.6	19.9	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX11	84	148	31.60	38.0	20.9	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX11	84	149	31.80	39.5	20.9	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX11	84	150	27.40	38.3	24.6	0.0	0.00	224.6	6.1	0.0	0.0	350	29-May
PX11	84	151	22.30	38.9	25.7	0.0	0.00	181.4	6.8	0.0	0.0	350	30-May
PX11	84	152	29.20	36.1	21.5	0.0	0.00	112.3	10.5	0.0	0.0	350	31-May
PX11	84	153	30.70	35.3	22.9	0.0	0.00	164.2	6.2	0.0	0.0	350	01-Jun
PX11	84	154	30.60	35.7	20.9	0.0	0.00	181.4	5.6	0.0	0.0	350	02-Jun
PX11	84	155	31.40	35.1	22.8	0.0	0.00	190.1	-2.2	0.0	0.0	350	03-Jun
PX11	84	156	26.70	33.9	18.8	0.0	0.00	181.4	5.4	0.0	0.0	350	04-Jun
PX11	84	157	25.30	31.0	18.4	0.0	0.00	138.2	5.9	0.0	0.0	350	05-Jun
PX11	84	158	29.40	32.4	18.2	0.0	0.00	181.4	5.0	0.0	0.0	350	06-Jun
PX11	84	159	31.40	31.7	19.3	0.0	0.00	155.5	4.5	0.0	0.0	350	07-Jun
PX11	84	160	30.80	33.1	17.8	0.0	0.00	129.6	2.3	0.0	0.0	350	08-Jun
PX11	84	161	30.90	34.7	17.0	0.0	0.00	65.0	-1.7	0.0	0.0	350	09-Jun
PX11	84	162	30.80	37.6	20.0	0.0	0.00	198.7	-3.0	0.0	0.0	350	10-Jun
PX11	84	163	30.90	35.8	18.5	0.0	0.00	190.1	-3.5	0.0	0.0	350	11-Jun
PX11	84	164	31.60	37.2	17.3	0.0	0.00	190.1	-3.5	0.0	0.0	350	12-Jun
PX11	84	165	31.80	37.3	18.4	0.0	0.00	155.5	-4.7	0.0	0.0	350	13-Jun
PX11	84	166	31.30	37.4	19.9	0.0	0.00	164.2	-6.3	0.0	0.0	350	14-Jun
PX11	84	167	32.00	36.7	19.4	0.0	0.00	112.3	-7.0	0.0	0.0	350	15-Jun
PX11	84	168	31.70	35.1	19.0	0.0	0.00	112.3	-9.8	0.0	0.0	350	16-Jun
PX11	84	169	31.80	36.9	17.6	0.0	0.00	65.0	-12.2	0.0	0.0	350	17-Jun
PX11	84	170	30.90	37.0	18.6	0.0	0.00	112.3	-6.3	0.0	0.0	350	18-Jun
PX11	84	171	30.60	38.3	22.3	0.0	0.00	112.3	-3.0	0.0	0.0	350	19-Jun
PX11	84	172	31.90	36.4	20.4	0.0	0.00	138.2	1.5	0.0	0.0	350	20-Jun
PX11	84	173	31.70	36.3	18.3	0.0	0.00	164.2	-2.7	0.0	0.0	350	21-Jun
PX11	84	174	31.00	35.4	21.4	0.0	0.00	112.3	2.7	0.0	0.0	350	22-Jun
PX11	84	175	29.60	36.0	20.9	0.0	0.00	103.7	3.4	0.0	0.0	350	23-Jun
PX11	84	176	23.20	37.0	23.1	0.0	0.00	103.7	9.0	0.0	0.0	350	24-Jun
PX11	84	177	24.00	32.6	22.5	4.0	0.00	146.9	17.3	0.0	0.0	350	25-Jun
PX11	84	178	29.70	35.4	24.9	0.0	0.00	103.7	16.5	0.0	0.0	350	26-Jun
PX11	84	179	23.70	37.4	26.1	0.0	0.00	65.0	14.0	0.0	0.0	350	27-Jun
PX11	84	180	29.80	36.9	23.6	0.0	0.00	164.2	15.7	0.0	0.0	350	28-Jun
PX11	84	181	29.40	35.2	23.7	3.0	0.00	164.2	16.8	0.0	0.0	350	29-Jun
PX11	84	182	18.30	32.2	24.2	1.0	0.00	103.7	16.2	0.0	0.0	350	30-Jun
PX11	84	183	25.30	34.5	22.7	0.0	0.00	129.6	14.9	0.0	0.0	350	01-Jul
PX11	84	184	22.80	35.0	23.3	0.0	0.00	129.6	15.8	0.0	0.0	350	02-Jul
PX11	84	185	20.30	36.0	25.7	0.0	0.00	129.6	14.2	0.0	0.0	350	03-Jul
PX11	84	186	30.80	38.3	26.6	0.0	0.00	138.2	13.7	0.0	0.0	350	04-Jul
PX11	84	187	29.90	37.2	27.0	0.0	0.00	103.7	12.9	0.0	0.0	350	05-Jul
PX11	84	188	28.40	37.7	27.3	0.0	0.00	138.2	13.7	0.0	0.0	350	06-Jul
PX11	84	189	29.70	35.5	24.2	0.0	0.00	146.9	14.4	0.0	0.0	350	07-Jul
PX11	84	190	28.50	33.9	26.2	0.0	0.00	198.7	15.9	0.0	0.0	350	08-Jul
PX11	84	191	29.90	36.0	24.3	0.0	0.00	138.2	15.7	0.0	0.0	350	09-Jul
PX11	84	192	29.30	37.0	26.2	0.0	0.00	155.5	14.4	0.0	0.0	350	10-Jul
PX11	84	193	24.80	33.5	25.8	0.0	0.00	129.6	14.6	0.0	0.0	350	11-Jul
PX11	84	194	23.80	35.8	23.7	0.0	0.00	129.6	16.3	0.0	0.0	350	12-Jul

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	84 195	22.50	33.1	22.6	5.0	0.00	129.6	17.7	0.0	0.0	350	13-Jul
PX11	84 196	28.50	35.1	22.4	0.0	0.00	146.9	19.8	0.0	0.0	350	14-Jul
PX11	84 197	29.60	33.5	24.5	0.0	0.00	181.4	18.5	0.0	0.0	350	15-Jul
PX11	84 198	28.80	34.7	24.8	0.0	0.00	190.1	17.7	0.0	0.0	350	16-Jul
PX11	84 199	24.60	32.9	22.8	1.0	0.00	146.9	18.0	0.0	0.0	350	17-Jul
PX11	84 200	21.50	33.9	22.2	9.0	0.00	129.6	17.9	0.0	0.0	350	18-Jul
PX11	84 201	18.90	32.8	23.0	0.0	0.00	121.0	17.3	0.0	0.0	350	19-Jul
PX11	84 202	23.10	32.0	20.8	3.0	0.00	138.2	18.2	0.0	0.0	350	20-Jul
PX11	84 203	16.50	37.7	18.9	34.0	0.00	65.0	20.2	0.0	0.0	350	21-Jul
PX11	84 204	16.60	28.5	22.3	0.0	0.00	103.7	19.4	0.0	0.0	350	22-Jul
PX11	84 205	29.60	31.7	20.4	0.0	0.00	86.4	10.4	0.0	0.0	350	23-Jul
PX11	84 206	25.50	35.1	24.7	0.0	0.00	69.1	16.7	0.0	0.0	350	24-Jul
PX11	84 207	23.60	36.7	25.9	0.0	0.00	95.0	14.3	0.0	0.0	350	25-Jul
PX11	84 208	26.90	34.4	22.9	0.0	0.00	112.3	13.4	0.0	0.0	350	26-Jul
PX11	84 209	18.00	32.1	22.8	0.0	0.00	112.3	16.7	0.0	0.0	350	27-Jul
PX11	84 210	26.50	34.4	19.1	100.0	0.00	65.0	17.3	0.0	0.0	350	28-Jul
PX11	84 211	25.80	32.1	22.2	0.0	0.00	77.8	17.7	0.0	0.0	350	29-Jul
PX11	84 212	26.90	33.5	23.5	0.0	0.00	69.1	16.3	0.0	0.0	350	30-Jul
PX11	84 213	23.70	34.2	25.5	0.0	0.00	86.4	16.9	0.0	0.0	350	31-Jul
PX11	84 214	26.90	34.1	23.9	0.0	0.00	95.0	13.9	0.0	0.0	350	01-Aug
PX11	84 215	24.50	33.2	22.9	0.0	0.00	60.5	13.2	0.0	0.0	350	02-Aug
PX11	84 216	27.60	35.1	23.3	0.0	0.00	77.8	13.2	0.0	0.0	350	03-Aug
PX11	84 217	27.60	36.6	23.9	0.0	0.00	121.0	12.8	0.0	0.0	350	04-Aug
PX11	84 218	26.80	34.8	23.8	0.0	0.00	103.7	14.3	0.0	0.0	350	05-Aug
PX11	84 219	27.70	36.6	24.6	0.0	0.00	112.3	13.3	0.0	0.0	350	06-Aug
PX11	84 220	26.60	36.8	24.2	0.0	0.00	112.3	12.9	0.0	0.0	350	07-Aug
PX11	84 221	27.10	34.4	24.6	0.0	0.00	129.6	14.6	0.0	0.0	350	08-Aug
PX11	84 222	21.50	32.4	21.4	5.0	0.00	138.2	19.9	0.0	0.0	350	09-Aug
PX11	84 223	24.70	30.7	21.5	0.0	0.00	95.0	18.7	0.0	0.0	350	10-Aug
PX11	84 224	12.40	30.8	24.2	0.0	0.00	121.0	18.7	0.0	0.0	350	11-Aug
PX11	84 225	26.30	34.4	23.3	0.0	0.00	86.4	17.3	0.0	0.0	350	12-Aug
PX11	84 226	26.60	32.7	24.5	0.0	0.00	138.2	18.3	0.0	0.0	350	13-Aug
PX11	84 227	20.30	31.6	20.6	2.0	0.00	112.3	18.3	0.0	0.0	350	14-Aug
PX11	84 228	23.80	32.3	23.6	0.0	0.00	86.4	18.7	0.0	0.0	350	15-Aug
PX11	84 229	23.60	32.9	24.6	0.0	0.00	112.3	18.1	0.0	0.0	350	16-Aug
PX11	84 230	22.00	33.3	22.8	0.0	0.00	112.3	17.7	0.0	0.0	350	17-Aug
PX11	84 231	21.30	30.8	21.3	0.0	0.00	95.0	16.6	0.0	0.0	350	18-Aug
PX11	84 232	21.50	29.7	22.5	0.0	0.00	112.3	17.9	0.0	0.0	350	19-Aug
PX11	84 233	22.30	31.5	21.2	0.0	0.00	95.0	16.8	0.0	0.0	350	20-Aug
PX11	84 234	25.50	33.4	21.7	0.0	0.00	86.4	14.9	0.0	0.0	350	21-Aug
PX11	84 235	19.50	33.9	23.6	0.0	0.00	121.0	13.8	0.0	0.0	350	22-Aug
PX11	84 236	14.30	30.3	23.9	2.0	0.00	86.4	15.0	0.0	0.0	350	23-Aug
PX11	84 237	24.70	33.9	20.8	0.0	0.00	112.3	13.6	0.0	0.0	350	24-Aug
PX11	84 238	23.10	33.6	21.1	0.0	0.00	86.4	14.6	0.0	0.0	350	25-Aug
PX11	84 239	25.30	34.9	23.8	0.0	0.00	69.1	13.9	0.0	0.0	350	26-Aug
PX11	84 240	22.30	35.1	21.8	0.0	0.00	51.8	14.0	0.0	0.0	350	27-Aug
PX11	84 241	24.80	34.9	24.8	0.0	0.00	0.0	15.4	0.0	0.0	350	28-Aug
PX11	84 242	25.30	38.3	24.0	0.0	0.00	0.0	13.2	0.0	0.0	350	29-Aug
PX11	84 243	25.00	37.4	24.0	0.0	0.00	17.3	11.5	0.0	0.0	350	30-Aug
PX11	84 244	21.30	36.1	26.3	0.0	0.00	51.8	13.3	0.0	0.0	350	31-Aug
PX11	84 245	24.10	33.4	19.9	20.0	0.00	60.5	16.9	0.0	0.0	350	01-Sep
PX11	84 246	24.10	30.4	19.7	0.0	0.00	17.3	19.1	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX11	84	247	24.50	35.4	22.8	0.0	0.00	77.8	17.6	0.0	0.0	350	03-Sep
PX11	84	248	24.80	36.3	23.8	0.0	0.00	138.2	11.5	0.0	0.0	350	04-Sep
PX11	84	249	26.10	34.3	19.9	0.0	0.00	138.2	6.4	0.0	0.0	350	05-Sep
PX11	84	250	25.40	34.7	17.7	0.0	0.00	95.0	5.8	0.0	0.0	350	06-Sep
PX11	84	251	24.10	32.6	17.6	0.0	0.00	86.4	11.2	0.0	0.0	350	07-Sep
PX11	84	252	23.90	32.8	21.5	0.0	0.00	86.4	17.4	0.0	0.0	350	08-Sep
PX11	84	253	22.00	32.6	21.6	0.0	0.00	112.3	18.4	0.0	0.0	350	09-Sep
PX11	84	254	21.50	33.2	20.1	46.0	0.00	86.4	21.3	0.0	0.0	350	10-Sep
PX11	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX11	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	350	12-Sep
PX11	84	257	22.10	34.5	20.2	0.0	0.00	77.8	18.4	0.0	0.0	350	13-Sep
PX11	84	258	21.80	34.3	22.3	0.0	0.00	69.1	15.0	0.0	0.0	350	14-Sep
PX11	84	259	23.10	35.9	24.9	1.0	0.00	155.5	10.7	0.0	0.0	350	15-Sep
PX11	84	260	23.10	35.2	23.0	0.0	0.00	95.0	10.5	0.0	0.0	350	16-Sep
PX11	84	261	19.30	35.5	23.5	0.0	0.00	77.8	11.0	0.0	0.0	350	17-Sep
PX11	84	262	22.20	36.8	22.4	0.0	0.00	121.0	10.6	0.0	0.0	350	18-Sep
PX11	84	263	21.70	36.1	20.5	0.0	0.00	95.0	11.9	0.0	0.0	350	19-Sep
PX11	84	264	21.50	35.6	21.5	0.0	0.00	112.3	10.5	0.0	0.0	350	20-Sep
PX11	84	265	18.80	35.1	21.8	2.0	0.00	121.0	13.2	0.0	0.0	350	21-Sep
PX11	84	266	20.90	33.6	20.3	0.0	0.00	138.2	13.6	0.0	0.0	350	22-Sep
PX11	84	267	19.60	33.4	21.7	0.0	0.00	121.0	13.1	0.0	0.0	350	23-Sep
PX11	84	268	3.70	30.3	20.1	0.0	0.00	86.4	16.2	0.0	0.0	350	24-Sep
PX11	84	269	3.90	22.9	19.7	8.0	0.00	69.1	18.2	0.0	0.0	350	25-Sep
PX11	84	270	20.10	20.7	16.9	20.0	0.00	17.3	16.4	0.0	0.0	350	26-Sep
PX11	84	271	20.60	28.1	15.1	0.0	0.00	17.3	15.7	0.0	0.0	350	27-Sep
PX11	84	272	20.00	30.0	17.3	0.0	0.00	25.9	13.4	0.0	0.0	350	28-Sep
PX11	84	273	14.20	30.5	16.9	0.0	0.00	51.8	13.3	0.0	0.0	350	29-Sep
PX11	84	274	17.60	29.3	17.9	0.0	0.00	146.9	11.2	0.0	0.0	350	30-Sep
PX11	84	275	18.60	29.4	18.9	0.0	0.00	86.4	10.4	0.0	0.0	350	01-Oct
PX11	84	276	18.60	27.0	16.2	0.0	0.00	86.4	10.7	0.0	0.0	350	02-Oct
PX11	84	277	18.70	27.0	16.2	5.0	0.00	77.8	10.7	0.0	0.0	350	03-Oct
PX11	84	278	18.90	24.7	11.8	0.0	0.00	69.1	11.1	0.0	0.0	350	04-Oct
PX11	84	279	19.00	26.7	11.9	0.0	0.00	69.1	10.4	0.0	0.0	350	05-Oct
PX11	84	280	19.00	27.8	13.0	0.0	0.00	60.5	8.5	0.0	0.0	350	06-Oct
PX11	84	281	19.10	30.6	15.0	0.0	0.00	51.8	7.8	0.0	0.0	350	07-Oct
PX11	84	282	18.70	31.1	14.6	0.0	0.00	51.8	6.4	0.0	0.0	350	08-Oct
PX11	84	283	18.20	30.6	15.0	0.0	0.00	60.5	6.7	0.0	0.0	350	09-Oct
PX11	84	284	17.70	29.4	15.2	0.0	0.00	86.4	8.0	0.0	0.0	350	10-Oct
PX11	84	285	14.30	27.8	16.4	0.0	0.00	60.5	12.9	0.0	0.0	350	11-Oct
PX11	84	286	17.60	26.7	17.4	0.0	0.00	60.5	12.4	0.0	0.0	350	12-Oct
PX11	84	287	16.60	28.0	14.0	0.0	0.00	112.3	8.2	0.0	0.0	350	13-Oct
PX11	84	288	17.80	28.4	13.1	0.0	0.00	69.1	6.4	0.0	0.0	350	14-Oct
PX11	84	289	14.80	25.5	12.8	0.0	0.00	164.2	4.1	0.0	0.0	350	15-Oct
PX11	84	290	17.20	21.0	7.8	0.0	0.00	103.7	0.4	0.0	0.0	350	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX01	33.40	112.00	2.30	0 1 1 0 1					350	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	84	97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX01	84	98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX01	84	99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX01	84	100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX01	84	101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX01	84	102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX01	84	103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX01	84	104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX01	84	105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX01	84	106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX01	84	107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX01	84	108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX01	84	109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX01	84	110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX01	84	111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX01	84	112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX01	84	113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX01	84	114	30.04	33.2	13.8	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX01	84	115	30.34	32.7	14.3	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX01	84	116	18.07	32.1	17.1	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX01	84	117	13.86	22.7	13.2	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX01	84	118	9.55	19.9	9.3	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX01	84	119	1.43	18.8	8.8	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX01	84	120	26.91	22.7	7.1	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX01	84	121	19.17	26.6	10.4	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX01	84	122	22.03	28.2	11.6	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX01	84	123	28.45	29.9	13.8	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX01	84	124	29.76	33.2	18.8	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX01	84	125	30.46	34.9	17.1	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX01	84	126	29.90	31.9	15.8	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX01	84	127	30.20	33.4	15.4	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX01	84	128	30.00	37.4	15.5	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX01	84	129	31.00	37.2	15.2	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX01	84	130	30.25	37.5	16.2	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX01	84	131	30.25	38.4	15.9	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX01	84	132	30.50	36.6	17.2	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX01	84	133	17.50	35.6	17.2	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX01	84	134	29.50	37.3	20.4	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX01	84	135	27.60	37.8	20.8	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX01	84	136	24.00	33.3	18.6	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX01	84	137	30.70	33.0	15.9	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX01	84	138	30.25	35.7	16.9	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX01	84	139	30.40	36.1	15.6	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX01	84	140	31.00	36.9	17.9	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX01	84	141	30.70	38.5	18.5	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX01	84	142	30.60	38.4	17.1	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	84	143	31.20	39.3	16.9	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX01	84	144	31.00	42.3	19.0	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX01	84	145	31.40	40.9	19.0	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX01	84	146	31.60	41.1	19.2	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX01	84	147	31.20	43.3	18.8	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX01	84	148	31.60	42.7	19.2	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX01	84	149	31.80	43.9	22.1	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX01	84	150	27.40	41.3	23.7	0.0	0.00	224.6	3.8	0.0	0.0	350	29-May
PX01	84	151	22.30	40.3	24.6	0.0	0.00	181.4	3.9	0.0	0.0	350	30-May
PX01	84	152	29.20	36.8	21.0	0.0	0.00	112.3	9.0	0.0	0.0	350	31-May
PX01	84	153	30.70	35.7	22.3	0.0	0.00	164.2	5.9	0.0	0.0	350	01-Jun
PX01	84	154	30.60	37.9	20.5	0.0	0.00	181.4	2.1	0.0	0.0	350	02-Jun
PX01	84	155	31.40	35.8	22.7	0.0	0.00	190.1	-2.2	0.0	0.0	350	03-Jun
PX01	84	156	26.70	34.5	18.3	0.0	0.00	181.4	5.3	0.0	0.0	350	04-Jun
PX01	84	157	25.30	31.0	18.0	0.0	0.00	138.2	5.8	0.0	0.0	350	05-Jun
PX01	84	158	29.40	32.9	17.5	0.0	0.00	181.4	4.8	0.0	0.0	350	06-Jun
PX01	84	159	31.40	32.0	19.1	0.0	0.00	155.5	4.3	0.0	0.0	350	07-Jun
PX01	84	160	30.80	33.5	17.3	0.0	0.00	129.6	2.3	0.0	0.0	350	08-Jun
PX01	84	161	30.90	35.3	16.2	0.0	0.00	65.0	-1.9	0.0	0.0	350	09-Jun
PX01	84	162	30.80	33.5	19.7	0.0	0.00	198.7	-2.7	0.0	0.0	350	10-Jun
PX01	84	163	30.90	36.1	17.2	0.0	0.00	190.1	-3.5	0.0	0.0	350	11-Jun
PX01	84	164	31.60	37.9	16.1	0.0	0.00	190.1	-3.5	0.0	0.0	350	12-Jun
PX01	84	165	31.80	39.2	17.4	0.0	0.00	155.5	-6.0	0.0	0.0	350	13-Jun
PX01	84	166	31.30	37.5	19.4	0.0	0.00	164.2	-4.7	0.0	0.0	350	14-Jun
PX01	84	167	32.00	37.5	18.1	0.0	0.00	112.3	-5.0	0.0	0.0	350	15-Jun
PX01	84	168	31.70	33.8	17.7	0.0	0.00	112.3	-8.2	0.0	0.0	350	16-Jun
PX01	84	169	31.80	37.2	16.3	0.0	0.00	65.0	-11.7	0.0	0.0	350	17-Jun
PX01	84	170	30.90	36.8	17.9	0.0	0.00	112.3	-5.7	0.0	0.0	350	18-Jun
PX01	84	171	30.60	38.7	21.6	0.0	0.00	112.3	-2.5	0.0	0.0	350	19-Jun
PX01	84	172	31.90	38.4	19.3	0.0	0.00	138.2	-2.7	0.0	0.0	350	20-Jun
PX01	84	173	31.70	38.4	17.5	0.0	0.00	164.2	-3.8	0.0	0.0	350	21-Jun
PX01	84	174	31.00	37.8	20.8	0.0	0.00	112.3	0.6	0.0	0.0	350	22-Jun
PX01	84	175	29.60	38.5	20.8	0.0	0.00	103.7	1.7	0.0	0.0	350	23-Jun
PX01	84	176	23.20	39.3	22.7	0.0	0.00	103.7	8.1	0.0	0.0	350	24-Jun
PX01	84	177	24.00	34.3	22.3	4.0	0.00	146.9	16.9	0.0	0.0	350	25-Jun
PX01	84	178	29.70	37.4	24.7	0.0	0.00	103.7	16.0	0.0	0.0	350	26-Jun
PX01	84	179	23.70	38.5	26.3	0.0	0.00	65.0	12.5	0.0	0.0	350	27-Jun
PX01	84	180	29.80	36.8	23.2	0.0	0.00	164.2	15.6	0.0	0.0	350	28-Jun
PX01	84	181	29.40	35.3	23.3	3.0	0.00	164.2	16.9	0.0	0.0	350	29-Jun
PX01	84	182	18.30	33.3	24.1	1.0	0.00	103.7	16.0	0.0	0.0	350	30-Jun
PX01	84	183	25.30	34.7	21.5	0.0	0.00	129.6	14.8	0.0	0.0	350	01-Jul
PX01	84	184	22.80	35.5	23.4	0.0	0.00	129.6	14.5	0.0	0.0	350	02-Jul
PX01	84	185	20.30	36.1	25.7	0.0	0.00	129.6	14.2	0.0	0.0	350	03-Jul
PX01	84	186	30.80	37.8	26.3	0.0	0.00	138.2	13.8	0.0	0.0	350	04-Jul
PX01	84	187	29.90	37.5	26.8	0.0	0.00	103.7	12.5	0.0	0.0	350	05-Jul
PX01	84	188	28.40	38.6	27.1	0.0	0.00	138.2	13.2	0.0	0.0	350	06-Jul
PX01	84	189	29.70	35.8	24.0	0.0	0.00	146.9	14.2	0.0	0.0	350	07-Jul
PX01	84	190	28.50	34.1	26.0	0.0	0.00	198.7	15.1	0.0	0.0	350	08-Jul
PX01	84	191	29.90	36.3	24.0	0.0	0.00	138.2	15.6	0.0	0.0	350	09-Jul
PX01	84	192	29.30	38.3	25.9	0.0	0.00	155.5	14.3	0.0	0.0	350	10-Jul
PX01	84	193	24.80	41.7	25.5	0.0	0.00	129.6	13.7	0.0	0.0	350	11-Jul
PX01	84	194	23.80	37.7	23.2	0.0	0.00	129.6	15.8	0.0	0.0	350	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	84	195	22.50	34.4	22.3	5.0	0.00	129.6	20.2	0.0	0.0	350	13-Jul
PX01	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.1	0.0	0.0	350	14-Jul
PX01	84	197	29.60	33.8	24.7	0.0	0.00	181.4	20.3	0.0	0.0	350	15-Jul
PX01	84	198	28.80	35.5	24.8	0.0	0.00	190.1	18.4	0.0	0.0	350	16-Jul
PX01	84	199	24.60	34.0	22.8	1.0	0.00	146.9	17.8	0.0	0.0	350	17-Jul
PX01	84	200	21.50	33.9	22.2	9.0	0.00	129.6	17.8	0.0	0.0	350	18-Jul
PX01	84	201	18.90	33.6	22.9	0.0	0.00	121.0	16.8	0.0	0.0	350	19-Jul
PX01	84	202	23.10	32.3	20.7	3.0	0.00	138.2	18.1	0.0	0.0	350	20-Jul
PX01	84	203	16.50	31.1	14.4	34.0	0.00	65.0	19.0	0.0	0.0	350	21-Jul
PX01	84	204	16.60	28.2	22.0	0.0	0.00	103.7	19.5	0.0	0.0	350	22-Jul
PX01	84	205	29.60	32.2	21.2	0.0	0.00	86.4	18.7	0.0	0.0	350	23-Jul
PX01	84	206	25.50	36.7	24.4	0.0	0.00	69.1	16.4	0.0	0.0	350	24-Jul
PX01	84	207	23.60	44.5	25.6	0.0	0.00	95.0	13.3	0.0	0.0	350	25-Jul
PX01	84	208	26.90	35.4	22.7	0.0	0.00	112.3	13.3	0.0	0.0	350	26-Jul
PX01	84	209	18.00	33.0	15.5	0.0	0.00	112.3	16.5	0.0	0.0	350	27-Jul
PX01	84	210	26.50	34.4	19.1	100.0	0.00	65.0	16.1	0.0	0.0	350	28-Jul
PX01	84	211	25.80	32.9	22.4	0.0	0.00	77.8	18.0	0.0	0.0	350	29-Jul
PX01	84	212	26.90	34.8	23.7	0.0	0.00	69.1	16.4	0.0	0.0	350	30-Jul
PX01	84	213	23.70	35.6	25.4	0.0	0.00	86.4	17.0	0.0	0.0	350	31-Jul
PX01	84	214	26.90	35.3	23.8	0.0	0.00	95.0	13.8	0.0	0.0	350	01-Aug
PX01	84	215	24.50	33.8	23.2	0.0	0.00	60.5	13.1	0.0	0.0	350	02-Aug
PX01	84	216	27.60	35.5	23.3	0.0	0.00	77.8	13.2	0.0	0.0	350	03-Aug
PX01	84	217	27.60	37.6	24.1	0.0	0.00	121.0	12.6	0.0	0.0	350	04-Aug
PX01	84	218	26.80	35.7	23.9	0.0	0.00	103.7	14.1	0.0	0.0	350	05-Aug
PX01	84	219	27.70	36.6	24.5	0.0	0.00	112.3	13.3	0.0	0.0	350	06-Aug
PX01	84	220	26.60	36.6	24.1	0.0	0.00	112.3	13.1	0.0	0.0	350	07-Aug
PX01	84	221	27.10	37.4	22.5	0.0	0.00	129.6	13.9	0.0	0.0	350	08-Aug
PX01	84	222	21.50	33.5	21.4	5.0	0.00	138.2	17.9	0.0	0.0	350	09-Aug
PX01	84	223	24.70	31.1	21.6	0.0	0.00	95.0	18.7	0.0	0.0	350	10-Aug
PX01	84	224	12.40	31.4	24.3	0.0	0.00	121.0	18.5	0.0	0.0	350	11-Aug
PX01	84	225	26.30	36.2	23.6	0.0	0.00	86.4	17.0	0.0	0.0	350	12-Aug
PX01	84	226	26.60	34.0	24.7	0.0	0.00	138.2	17.8	0.0	0.0	350	13-Aug
PX01	84	227	20.30	32.6	20.4	2.0	0.00	112.3	18.1	0.0	0.0	350	14-Aug
PX01	84	228	23.80	33.0	23.6	0.0	0.00	86.4	18.4	0.0	0.0	350	15-Aug
PX01	84	229	23.60	33.6	24.5	0.0	0.00	112.3	17.9	0.0	0.0	350	16-Aug
PX01	84	230	22.00	34.4	22.7	0.0	0.00	112.3	17.3	0.0	0.0	350	17-Aug
PX01	84	231	21.30	31.9	21.1	0.0	0.00	95.0	16.3	0.0	0.0	350	18-Aug
PX01	84	232	21.50	30.6	22.5	0.0	0.00	112.3	17.7	0.0	0.0	350	19-Aug
PX01	84	233	22.30	32.6	21.1	0.0	0.00	95.0	16.5	0.0	0.0	350	20-Aug
PX01	84	234	25.50	34.7	21.6	0.0	0.00	86.4	14.5	0.0	0.0	350	21-Aug
PX01	84	235	19.50	35.1	23.4	0.0	0.00	121.0	13.6	0.0	0.0	350	22-Aug
PX01	84	236	14.30	34.3	23.8	2.0	0.00	86.4	14.3	0.0	0.0	350	23-Aug
PX01	84	237	24.70	34.8	20.8	0.0	0.00	112.3	13.4	0.0	0.0	350	24-Aug
PX01	84	238	23.10	33.5	21.1	0.0	0.00	86.4	14.5	0.0	0.0	350	25-Aug
PX01	84	239	25.30	35.7	23.8	0.0	0.00	69.1	13.7	0.0	0.0	350	26-Aug
PX01	84	240	22.30	34.6	21.7	0.0	0.00	51.8	14.6	0.0	0.0	350	27-Aug
PX01	84	241	24.80	34.1	24.7	0.0	0.00	0.0	15.9	0.0	0.0	350	28-Aug
PX01	84	242	25.30	37.7	23.8	0.0	0.00	0.0	14.0	0.0	0.0	350	29-Aug
PX01	84	243	25.00	39.1	23.4	0.0	0.00	17.3	12.4	0.0	0.0	350	30-Aug
PX01	84	244	21.30	37.0	26.6	0.0	0.00	51.8	14.3	0.0	0.0	350	31-Aug
PX01	84	245	24.10	35.0	20.5	20.0	0.00	60.5	17.7	0.0	0.0	350	01-Sep
PX01	84	246	24.10	34.0	20.4	0.0	0.00	17.3	20.4	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	84	247	24.50	37.0	22.7	0.0	0.00	77.8	18.7	0.0	0.0	350	03-Sep
PX01	84	248	24.80	37.5	23.2	0.0	0.00	138.2	14.0	0.0	0.0	350	04-Sep
PX01	84	249	26.10	37.7	19.8	0.0	0.00	138.2	6.1	0.0	0.0	350	05-Sep
PX01	84	250	25.40	39.0	18.2	0.0	0.00	95.0	5.3	0.0	0.0	350	06-Sep
PX01	84	251	24.10	34.6	18.9	0.0	0.00	86.4	10.1	0.0	0.0	350	07-Sep
PX01	84	252	23.90	32.3	21.8	0.0	0.00	86.4	16.5	0.0	0.0	350	08-Sep
PX01	84	253	22.00	31.9	22.0	0.0	0.00	112.3	17.6	0.0	0.0	350	09-Sep
PX01	84	254	21.50	31.4	20.4	46.0	0.00	86.4	21.0	0.0	0.0	350	10-Sep
PX01	84	255	15.10	29.1	18.5	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX01	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	350	12-Sep
PX01	84	257	22.10	33.3	20.5	0.0	0.00	77.8	16.7	0.0	0.0	350	13-Sep
PX01	84	258	21.80	35.5	22.0	0.0	0.00	69.1	14.9	0.0	0.0	350	14-Sep
PX01	84	259	23.10	37.3	24.9	1.0	0.00	155.5	11.1	0.0	0.0	350	15-Sep
PX01	84	260	23.10	36.9	23.1	0.0	0.00	95.0	10.4	0.0	0.0	350	16-Sep
PX01	84	261	19.30	36.7	23.4	0.0	0.00	77.8	10.5	0.0	0.0	350	17-Sep
PX01	84	262	22.20	38.6	22.3	0.0	0.00	121.0	8.9	0.0	0.0	350	18-Sep
PX01	84	263	21.70	36.7	21.7	0.0	0.00	95.0	9.5	0.0	0.0	350	19-Sep
PX01	84	264	21.50	34.6	20.6	0.0	0.00	112.3	8.6	0.0	0.0	350	20-Sep
PX01	84	265	18.80	32.7	20.7	2.0	0.00	121.0	12.2	0.0	0.0	350	21-Sep
PX01	84	266	20.90	33.4	19.6	0.0	0.00	138.2	12.4	0.0	0.0	350	22-Sep
PX01	84	267	19.60	35.6	20.7	0.0	0.00	121.0	11.9	0.0	0.0	350	23-Sep
PX01	84	268	3.70	20.3	16.5	0.0	0.00	86.4	17.2	0.0	0.0	350	24-Sep
PX01	84	269	3.90	20.8	16.8	8.0	0.00	69.1	16.3	0.0	0.0	350	25-Sep
PX01	84	270	20.10	28.4	14.9	20.0	0.00	17.3	15.8	0.0	0.0	350	26-Sep
PX01	84	271	20.60	30.4	17.0	0.0	0.00	17.3	13.5	0.0	0.0	350	27-Sep
PX01	84	272	20.00	31.0	16.2	0.0	0.00	25.9	13.5	0.0	0.0	350	28-Sep
PX01	84	273	14.20	30.0	17.8	0.0	0.00	51.8	11.3	0.0	0.0	350	29-Sep
PX01	84	274	17.60	29.4	19.1	0.0	0.00	146.9	10.5	0.0	0.0	350	30-Sep
PX01	84	275	18.60	26.9	15.7	0.0	0.00	86.4	10.7	0.0	0.0	350	01-Oct
PX01	84	276	18.60	26.9	15.7	0.0	0.00	86.4	10.7	0.0	0.0	350	02-Oct
PX01	84	277	18.70	24.6	16.0	5.0	0.00	77.8	11.1	0.0	0.0	350	03-Oct
PX01	84	278	18.90	24.5	11.6	0.0	0.00	69.1	11.5	0.0	0.0	350	04-Oct
PX01	84	279	19.00	32.9	16.4	0.0	0.00	69.1	10.1	0.0	0.0	350	05-Oct
PX01	84	280	19.00	27.9	12.8	0.0	0.00	60.5	8.8	0.0	0.0	350	06-Oct
PX01	84	281	19.10	31.0	13.9	0.0	0.00	51.8	7.8	0.0	0.0	350	07-Oct
PX01	84	282	18.70	31.3	14.5	0.0	0.00	51.8	6.5	0.0	0.0	350	08-Oct
PX01	84	283	18.20	31.1	14.4	0.0	0.00	60.5	6.5	0.0	0.0	350	09-Oct
PX01	84	284	17.70	29.7	14.6	0.0	0.00	86.4	7.8	0.0	0.0	350	10-Oct
PX01	84	285	14.30	28.6	16.0	0.0	0.00	60.5	12.8	0.0	0.0	350	11-Oct
PX01	84	286	17.60	26.6	17.5	0.0	0.00	60.5	12.4	0.0	0.0	350	12-Oct
PX01	84	287	16.60	28.0	12.8	0.0	0.00	112.3	6.7	0.0	0.0	350	13-Oct
PX01	84	288	17.80	27.8	14.0	0.0	0.00	69.1	8.5	0.0	0.0	350	14-Oct
PX01	84	289	14.80	25.4	12.1	0.0	0.00	164.2	4.5	0.0	0.0	350	15-Oct
PX01	84	290	17.20	20.8	7.9	0.0	0.00	103.7	0.6	0.0	0.0	350	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓		CO2YR	WINDYR				
PX13	33.40	112.00	2.30	0 1 1 0 1		350	0.0				

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX13	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX13	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX13	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX13	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX13	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX13	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX13	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX13	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX13	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX13	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX13	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX13	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX13	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX13	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX13	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX13	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX13	84 114	30.04	33.2	13.8	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX13	84 115	30.34	32.7	14.3	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX13	84 116	18.07	32.1	17.1	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX13	84 117	13.86	22.7	13.2	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX13	84 118	9.55	19.9	9.3	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX13	84 119	1.43	18.8	8.8	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX13	84 120	26.91	22.7	7.1	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX13	84 121	19.17	26.6	10.4	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX13	84 122	22.03	28.2	11.6	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX13	84 123	28.45	29.9	13.8	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX13	84 124	29.76	33.2	18.8	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX13	84 125	30.46	34.9	17.1	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX13	84 126	29.90	31.9	15.8	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX13	84 127	30.20	33.4	15.4	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX13	84 128	30.00	37.4	15.5	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX13	84 129	31.00	37.2	15.2	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX13	84 130	30.25	37.5	16.2	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX13	84 131	30.25	38.4	15.9	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX13	84 132	30.50	36.6	17.2	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX13	84 133	17.50	35.6	17.2	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX13	84 134	29.50	37.3	20.4	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX13	84 135	27.60	37.8	20.8	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX13	84 136	24.00	33.3	18.6	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX13	84 137	30.70	33.0	15.9	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX13	84 138	30.25	35.7	16.9	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX13	84 139	30.40	36.1	15.6	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX13	84 140	31.00	36.9	17.9	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX13	84 141	30.70	38.5	18.5	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX13	84 142	30.60	38.4	17.1	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	84	143	31.20	39.3	16.9	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX13	84	144	31.00	42.3	19.0	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX13	84	145	31.40	40.9	19.0	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX13	84	146	31.60	41.1	19.2	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX13	84	147	31.20	43.3	18.8	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX13	84	148	31.60	42.7	19.2	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX13	84	149	31.80	43.9	22.1	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX13	84	150	27.40	41.1	25.0	0.0	0.00	224.6	4.6	0.0	0.0	350	29-May
PX13	84	151	22.30	39.0	25.5	0.0	0.00	181.4	3.9	0.0	0.0	350	30-May
PX13	84	152	29.20	35.9	21.2	0.0	0.00	112.3	8.9	0.0	0.0	350	31-May
PX13	84	153	30.70	35.3	22.8	0.0	0.00	164.2	7.5	0.0	0.0	350	01-Jun
PX13	84	154	30.60	37.9	20.5	0.0	0.00	181.4	3.0	0.0	0.0	350	02-Jun
PX13	84	155	31.40	35.1	22.7	0.0	0.00	190.1	-1.2	0.0	0.0	350	03-Jun
PX13	84	156	26.70	33.5	19.0	0.0	0.00	181.4	5.9	0.0	0.0	350	04-Jun
PX13	84	157	25.30	31.0	18.4	0.0	0.00	138.2	6.2	0.0	0.0	350	05-Jun
PX13	84	158	29.40	32.1	18.4	0.0	0.00	181.4	5.3	0.0	0.0	350	06-Jun
PX13	84	159	31.40	31.6	19.1	0.0	0.00	155.5	5.0	0.0	0.0	350	07-Jun
PX13	84	160	30.80	33.3	17.8	0.0	0.00	129.6	3.0	0.0	0.0	350	08-Jun
PX13	84	161	30.90	34.7	17.1	0.0	0.00	65.0	-0.7	0.0	0.0	350	09-Jun
PX13	84	162	30.80	37.5	20.0	0.0	0.00	198.7	-1.9	0.0	0.0	350	10-Jun
PX13	84	163	30.90	35.8	18.7	0.0	0.00	190.1	-2.5	0.0	0.0	350	11-Jun
PX13	84	164	31.60	37.0	17.6	0.0	0.00	190.1	-2.5	0.0	0.0	350	12-Jun
PX13	84	165	31.80	36.7	18.5	0.0	0.00	155.5	-1.4	0.0	0.0	350	13-Jun
PX13	84	166	31.30	36.0	19.8	0.0	0.00	164.2	-2.5	0.0	0.0	350	14-Jun
PX13	84	167	32.00	35.6	19.4	0.0	0.00	112.3	-3.0	0.0	0.0	350	15-Jun
PX13	84	168	31.70	32.8	19.0	0.0	0.00	112.3	-5.7	0.0	0.0	350	16-Jun
PX13	84	169	31.80	36.3	17.6	0.0	0.00	65.0	-9.4	0.0	0.0	350	17-Jun
PX13	84	170	30.90	35.6	19.1	0.0	0.00	112.3	-3.8	0.0	0.0	350	18-Jun
PX13	84	171	30.60	37.5	22.2	0.0	0.00	112.3	-0.9	0.0	0.0	350	19-Jun
PX13	84	172	31.90	38.4	19.3	0.0	0.00	138.2	-0.5	0.0	0.0	350	20-Jun
PX13	84	173	31.70	36.2	18.4	0.0	0.00	164.2	-3.0	0.0	0.0	350	21-Jun
PX13	84	174	31.00	36.3	21.5	0.0	0.00	112.3	1.9	0.0	0.0	350	22-Jun
PX13	84	175	29.60	37.0	21.2	0.0	0.00	103.7	2.7	0.0	0.0	350	23-Jun
PX13	84	176	23.20	37.2	23.4	0.0	0.00	103.7	8.6	0.0	0.0	350	24-Jun
PX13	84	177	24.00	33.1	21.6	4.0	0.00	146.9	17.1	0.0	0.0	350	25-Jun
PX13	84	178	29.70	36.0	25.0	0.0	0.00	103.7	16.5	0.0	0.0	350	26-Jun
PX13	84	179	23.70	37.3	26.1	0.0	0.00	65.0	14.5	0.0	0.0	350	27-Jun
PX13	84	180	29.80	35.4	23.5	0.0	0.00	164.2	16.5	0.0	0.0	350	28-Jun
PX13	84	181	29.40	33.2	22.9	3.0	0.00	164.2	17.3	0.0	0.0	350	29-Jun
PX13	84	182	18.30	31.7	24.0	1.0	0.00	103.7	16.4	0.0	0.0	350	30-Jun
PX13	84	183	25.30	33.3	22.1	0.0	0.00	129.6	15.5	0.0	0.0	350	01-Jul
PX13	84	184	22.80	33.8	22.2	0.0	0.00	129.6	14.1	0.0	0.0	350	02-Jul
PX13	84	185	20.30	34.4	25.5	0.0	0.00	129.6	15.0	0.0	0.0	350	03-Jul
PX13	84	186	30.80	36.8	26.6	0.0	0.00	138.2	14.8	0.0	0.0	350	04-Jul
PX13	84	187	29.90	35.8	26.9	0.0	0.00	103.7	13.8	0.0	0.0	350	05-Jul
PX13	84	188	28.40	37.1	27.2	0.0	0.00	138.2	14.5	0.0	0.0	350	06-Jul
PX13	84	189	29.70	35.1	24.2	0.0	0.00	146.9	15.0	0.0	0.0	350	07-Jul
PX13	84	190	28.50	33.9	26.0	0.0	0.00	198.7	15.9	0.0	0.0	350	08-Jul
PX13	84	191	29.90	34.8	24.2	0.0	0.00	138.2	16.4	0.0	0.0	350	09-Jul
PX13	84	192	29.30	38.4	25.9	0.0	0.00	155.5	14.8	0.0	0.0	350	10-Jul
PX13	84	193	24.80	32.7	25.1	0.0	0.00	129.6	15.2	0.0	0.0	350	11-Jul
PX13	84	194	23.80	35.3	23.1	0.0	0.00	129.6	16.7	0.0	0.0	350	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	84	195	22.50	32.6	21.6	5.0	0.00	129.6	18.0	0.0	0.0	350	13-Jul
PX13	84	196	28.50	35.1	22.4	0.0	0.00	146.9	19.5	0.0	0.0	350	14-Jul
PX13	84	197	29.60	32.3	24.8	0.0	0.00	181.4	19.1	0.0	0.0	350	15-Jul
PX13	84	198	28.80	33.5	24.4	0.0	0.00	190.1	18.4	0.0	0.0	350	16-Jul
PX13	84	199	24.60	32.0	22.5	1.0	0.00	146.9	18.7	0.0	0.0	350	17-Jul
PX13	84	200	21.50	33.9	22.2	9.0	0.00	129.6	18.2	0.0	0.0	350	18-Jul
PX13	84	201	18.90	32.2	23.0	0.0	0.00	121.0	19.0	0.0	0.0	350	19-Jul
PX13	84	202	23.10	31.6	23.0	3.0	0.00	138.2	20.5	0.0	0.0	350	20-Jul
PX13	84	203	16.50	27.8	18.2	34.0	0.00	65.0	18.4	0.0	0.0	350	21-Jul
PX13	84	204	16.60	28.1	22.1	0.0	0.00	103.7	19.5	0.0	0.0	350	22-Jul
PX13	84	205	29.60	31.5	21.4	0.0	0.00	86.4	19.0	0.0	0.0	350	23-Jul
PX13	84	206	25.50	34.9	24.6	0.0	0.00	69.1	17.1	0.0	0.0	350	24-Jul
PX13	84	207	23.60	36.2	25.8	0.0	0.00	95.0	14.6	0.0	0.0	350	25-Jul
PX13	84	208	26.90	34.8	22.7	0.0	0.00	112.3	13.8	0.0	0.0	350	26-Jul
PX13	84	209	18.00	31.9	20.8	0.0	0.00	112.3	17.0	0.0	0.0	350	27-Jul
PX13	84	210	26.50	34.4	19.1	100.0	0.00	65.0	17.4	0.0	0.0	350	28-Jul
PX13	84	211	25.80	32.0	22.0	0.0	0.00	77.8	18.0	0.0	0.0	350	29-Jul
PX13	84	212	26.90	33.6	23.1	0.0	0.00	69.1	16.7	0.0	0.0	350	30-Jul
PX13	84	213	23.70	34.0	25.3	0.0	0.00	86.4	17.9	0.0	0.0	350	31-Jul
PX13	84	214	26.90	33.7	24.0	0.0	0.00	95.0	15.0	0.0	0.0	350	01-Aug
PX13	84	215	24.50	32.7	23.1	0.0	0.00	60.5	14.2	0.0	0.0	350	02-Aug
PX13	84	216	27.60	34.0	23.5	0.0	0.00	77.8	14.4	0.0	0.0	350	03-Aug
PX13	84	217	27.60	36.4	23.7	0.0	0.00	121.0	13.8	0.0	0.0	350	04-Aug
PX13	84	218	26.80	34.9	24.2	0.0	0.00	103.7	15.0	0.0	0.0	350	05-Aug
PX13	84	219	27.70	36.2	24.8	0.0	0.00	112.3	13.8	0.0	0.0	350	06-Aug
PX13	84	220	26.60	36.6	24.2	0.0	0.00	112.3	13.6	0.0	0.0	350	07-Aug
PX13	84	221	27.10	34.9	24.1	0.0	0.00	129.6	15.0	0.0	0.0	350	08-Aug
PX13	84	222	21.50	32.6	21.5	5.0	0.00	138.2	18.4	0.0	0.0	350	09-Aug
PX13	84	223	24.70	30.7	21.1	0.0	0.00	95.0	19.3	0.0	0.0	350	10-Aug
PX13	84	224	12.40	30.9	24.5	0.0	0.00	121.0	19.2	0.0	0.0	350	11-Aug
PX13	84	225	26.30	35.1	23.0	0.0	0.00	86.4	17.7	0.0	0.0	350	12-Aug
PX13	84	226	26.60	33.0	24.6	0.0	0.00	138.2	18.6	0.0	0.0	350	13-Aug
PX13	84	227	20.30	31.9	20.4	2.0	0.00	112.3	18.9	0.0	0.0	350	14-Aug
PX13	84	228	23.80	32.5	23.7	0.0	0.00	86.4	19.2	0.0	0.0	350	15-Aug
PX13	84	229	23.60	33.7	24.8	0.0	0.00	112.3	18.6	0.0	0.0	350	16-Aug
PX13	84	230	22.00	33.8	23.0	0.0	0.00	112.3	17.9	0.0	0.0	350	17-Aug
PX13	84	231	21.30	31.2	21.5	0.0	0.00	95.0	16.8	0.0	0.0	350	18-Aug
PX13	84	232	21.50	30.6	22.5	0.0	0.00	112.3	18.0	0.0	0.0	350	19-Aug
PX13	84	233	22.30	32.5	21.3	0.0	0.00	95.0	17.3	0.0	0.0	350	20-Aug
PX13	84	234	25.50	34.7	21.7	0.0	0.00	86.4	15.4	0.0	0.0	350	21-Aug
PX13	84	235	19.50	35.3	23.6	0.0	0.00	121.0	14.5	0.0	0.0	350	22-Aug
PX13	84	236	14.30	30.1	23.7	2.0	0.00	86.4	19.9	0.0	0.0	350	23-Aug
PX13	84	237	24.70	33.5	20.6	0.0	0.00	112.3	15.0	0.0	0.0	350	24-Aug
PX13	84	238	23.10	32.4	21.0	0.0	0.00	86.4	15.8	0.0	0.0	350	25-Aug
PX13	84	239	25.30	34.7	23.7	0.0	0.00	69.1	15.3	0.0	0.0	350	26-Aug
PX13	84	240	22.30	33.1	21.3	0.0	0.00	51.8	15.2	0.0	0.0	350	27-Aug
PX13	84	241	24.80	33.3	24.7	0.0	0.00	0.0	16.3	0.0	0.0	350	28-Aug
PX13	84	242	25.30	36.0	24.1	0.0	0.00	0.0	14.3	0.0	0.0	350	29-Aug
PX13	84	243	25.00	37.2	24.0	0.0	0.00	17.3	12.2	0.0	0.0	350	30-Aug
PX13	84	244	21.30	35.8	27.1	0.0	0.00	51.8	13.6	0.0	0.0	350	31-Aug
PX13	84	245	24.10	33.6	18.6	20.0	0.00	60.5	17.1	0.0	0.0	350	01-Sep
PX13	84	246	24.10	30.7	19.4	0.0	0.00	17.3	19.3	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	84	247	24.50	36.1	22.8	0.0	0.00	77.8	17.8	0.0	0.0	350	03-Sep
PX13	84	248	24.80	36.7	24.1	0.0	0.00	138.2	11.6	0.0	0.0	350	04-Sep
PX13	84	249	26.10	36.6	19.7	0.0	0.00	138.2	1.9	0.0	0.0	350	05-Sep
PX13	84	250	25.40	34.5	18.2	0.0	0.00	95.0	14.5	0.0	0.0	350	06-Sep
PX13	84	251	24.10	33.6	18.5	0.0	0.00	86.4	11.0	0.0	0.0	350	07-Sep
PX13	84	252	23.90	31.9	21.3	0.0	0.00	86.4	17.5	0.0	0.0	350	08-Sep
PX13	84	253	22.00	31.4	21.8	0.0	0.00	112.3	18.5	0.0	0.0	350	09-Sep
PX13	84	254	21.50	31.2	20.0	46.0	0.00	86.4	21.9	0.0	0.0	350	10-Sep
PX13	84	255	15.10	29.1	18.5	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX13	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	350	12-Sep
PX13	84	257	22.10	32.3	20.4	0.0	0.00	77.8	17.3	0.0	0.0	350	13-Sep
PX13	84	258	21.80	34.0	22.3	0.0	0.00	69.1	15.8	0.0	0.0	350	14-Sep
PX13	84	259	23.10	36.1	24.9	1.0	0.00	155.5	11.2	0.0	0.0	350	15-Sep
PX13	84	260	23.10	35.7	23.2	0.0	0.00	95.0	10.7	0.0	0.0	350	16-Sep
PX13	84	261	19.30	35.9	23.5	0.0	0.00	77.8	11.0	0.0	0.0	350	17-Sep
PX13	84	262	22.20	37.1	22.3	0.0	0.00	121.0	9.5	0.0	0.0	350	18-Sep
PX13	84	263	21.70	35.3	21.5	0.0	0.00	95.0	10.5	0.0	0.0	350	19-Sep
PX13	84	264	21.50	33.7	21.7	0.0	0.00	112.3	9.4	0.0	0.0	350	20-Sep
PX13	84	265	18.80	32.6	21.8	2.0	0.00	121.0	12.4	0.0	0.0	350	21-Sep
PX13	84	266	20.90	32.1	20.0	0.0	0.00	138.2	12.9	0.0	0.0	350	22-Sep
PX13	84	267	19.60	32.0	21.3	0.0	0.00	121.0	12.5	0.0	0.0	350	23-Sep
PX13	84	268	3.70	30.8	19.5	0.0	0.00	86.4	12.0	0.0	0.0	350	24-Sep
PX13	84	269	3.90	24.3	19.1	8.0	0.00	69.1	17.3	0.0	0.0	350	25-Sep
PX13	84	270	20.10	20.8	16.8	20.0	0.00	17.3	16.4	0.0	0.0	350	26-Sep
PX13	84	271	20.60	28.3	15.0	0.0	0.00	17.3	16.0	0.0	0.0	350	27-Sep
PX13	84	272	20.00	29.8	17.3	0.0	0.00	25.9	13.7	0.0	0.0	350	28-Sep
PX13	84	273	14.20	30.6	16.9	0.0	0.00	51.8	13.7	0.0	0.0	350	29-Sep
PX13	84	274	17.60	28.9	15.7	0.0	0.00	146.9	15.8	0.0	0.0	350	30-Sep
PX13	84	275	18.60	29.0	15.1	0.0	0.00	86.4	15.0	0.0	0.0	350	01-Oct
PX13	84	276	18.60	26.1	13.8	0.0	0.00	86.4	15.1	0.0	0.0	350	02-Oct
PX13	84	277	18.70	26.1	13.8	5.0	0.00	77.8	15.1	0.0	0.0	350	03-Oct
PX13	84	278	18.90	23.8	11.6	0.0	0.00	69.1	15.0	0.0	0.0	350	04-Oct
PX13	84	279	19.00	32.9	16.4	0.0	0.00	69.1	13.1	0.0	0.0	350	05-Oct
PX13	84	280	19.00	29.8	13.8	0.0	0.00	60.5	10.1	0.0	0.0	350	06-Oct
PX13	84	281	19.10	30.7	15.0	0.0	0.00	51.8	8.5	0.0	0.0	350	07-Oct
PX13	84	282	18.70	30.7	14.4	0.0	0.00	51.8	7.0	0.0	0.0	350	08-Oct
PX13	84	283	18.20	30.7	15.2	0.0	0.00	60.5	7.0	0.0	0.0	350	09-Oct
PX13	84	284	17.70	29.2	15.1	0.0	0.00	86.4	8.4	0.0	0.0	350	10-Oct
PX13	84	285	14.30	27.9	16.4	0.0	0.00	60.5	13.1	0.0	0.0	350	11-Oct
PX13	84	286	17.60	26.6	17.5	0.0	0.00	60.5	12.9	0.0	0.0	350	12-Oct
PX13	84	287	16.60	28.1	13.1	0.0	0.00	112.3	7.0	0.0	0.0	350	13-Oct
PX13	84	288	17.80	25.2	12.3	0.0	0.00	69.1	4.8	0.0	0.0	350	14-Oct
PX13	84	289	14.80	20.7	7.2	0.0	0.00	164.2	4.3	0.0	0.0	350	15-Oct
PX13	84	290	17.20	27.7	14.0	0.0	0.00	103.7	0.6	0.0	0.0	350	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓		CO2YR	WINDYR
PX06	33.40	112.00	2.30	0 1 1 0 1		350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX06	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX06	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX06	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX06	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX06	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX06	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX06	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX06	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX06	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX06	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX06	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX06	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX06	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX06	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX06	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX06	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX06	84 114	30.04	33.9	15.1	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX06	84 115	30.34	34.2	14.1	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX06	84 116	18.07	29.4	13.6	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX06	84 117	13.86	26.6	10.6	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX06	84 118	9.55	26.6	8.7	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX06	84 119	1.43	24.3	11.1	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX06	84 120	28.70	28.1	5.2	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX06	84 121	19.17	30.1	9.2	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX06	84 122	22.03	31.3	11.1	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX06	84 123	28.45	32.0	11.6	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX06	84 124	29.76	34.2	15.6	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX06	84 125	30.46	34.8	17.1	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX06	84 126	29.90	34.2	17.6	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX06	84 127	30.20	34.2	16.6	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX06	84 128	30.00	35.2	17.6	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX06	84 129	31.00	36.1	16.1	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX06	84 130	30.25	37.1	18.1	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX06	84 131	30.25	37.4	17.6	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX06	84 132	30.50	36.7	18.1	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX06	84 133	17.50	35.8	19.6	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX06	84 134	29.50	37.1	19.6	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX06	84 135	27.60	36.7	21.5	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX06	84 136	24.00	35.2	18.1	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX06	84 137	30.70	34.8	16.1	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX06	84 138	30.25	35.2	18.6	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX06	84 139	30.40	35.8	18.6	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX06	84 140	31.00	36.4	18.6	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX06	84 141	30.70	36.7	19.1	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX06	84 142	30.60	37.1	19.6	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	84	143	31.20	37.4	19.6	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX06	84	144	31.00	38.7	18.6	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX06	84	145	31.40	38.3	19.6	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX06	84	146	31.60	38.3	19.6	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX06	84	147	31.20	38.7	19.1	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX06	84	148	31.60	39.0	20.1	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX06	84	149	31.80	40.3	20.1	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX06	84	150	27.40	39.3	23.5	0.0	0.00	224.6	7.0	0.0	0.0	350	29-May
PX06	84	151	22.30	38.6	24.5	0.0	0.00	181.4	6.7	0.0	0.0	350	30-May
PX06	84	152	29.20	36.0	20.0	0.0	0.00	112.3	11.3	0.0	0.0	350	31-May
PX06	84	153	30.70	36.1	21.9	0.0	0.00	164.2	7.5	0.0	0.0	350	01-Jun
PX06	84	154	30.60	37.1	20.1	0.0	0.00	181.4	5.8	0.0	0.0	350	02-Jun
PX06	84	155	31.40	36.7	21.8	0.0	0.00	190.1	0.2	0.0	0.0	350	03-Jun
PX06	84	156	26.70	35.1	18.2	0.0	0.00	181.4	6.7	0.0	0.0	350	04-Jun
PX06	84	157	25.30	32.8	17.8	0.0	0.00	138.2	6.5	0.0	0.0	350	05-Jun
PX06	84	158	29.40	34.0	17.7	0.0	0.00	181.4	5.9	0.0	0.0	350	06-Jun
PX06	84	159	31.40	33.4	19.2	0.0	0.00	155.5	5.1	0.0	0.0	350	07-Jun
PX06	84	160	30.80	35.1	17.3	0.0	0.00	129.6	3.4	0.0	0.0	350	08-Jun
PX06	84	161	30.90	36.9	16.1	0.0	0.00	65.0	0.2	0.0	0.0	350	09-Jun
PX06	84	162	30.80	39.6	19.6	0.0	0.00	198.7	-0.7	0.0	0.0	350	10-Jun
PX06	84	163	30.90	37.6	17.8	0.0	0.00	190.1	-1.4	0.0	0.0	350	11-Jun
PX06	84	164	31.60	38.9	16.5	0.0	0.00	190.1	-1.4	0.0	0.0	350	12-Jun
PX06	84	165	31.80	35.5	17.3	0.0	0.00	155.5	4.6	0.0	0.0	350	13-Jun
PX06	84	166	31.30	39.2	19.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	14-Jun
PX06	84	167	32.00	39.6	18.4	0.0	0.00	112.3	-4.7	0.0	0.0	350	15-Jun
PX06	84	168	31.70	37.2	18.7	0.0	0.00	112.3	2.7	0.0	0.0	350	16-Jun
PX06	84	169	31.80	39.1	16.6	0.0	0.00	65.0	-9.0	0.0	0.0	350	17-Jun
PX06	84	170	30.90	40.2	17.8	0.0	0.00	112.3	-4.7	0.0	0.0	350	18-Jun
PX06	84	171	30.60	41.3	21.6	0.0	0.00	112.3	-1.4	0.0	0.0	350	19-Jun
PX06	84	172	31.90	37.7	19.6	0.0	0.00	138.2	1.1	0.0	0.0	350	20-Jun
PX06	84	173	31.70	38.1	17.7	0.0	0.00	164.2	1.5	0.0	0.0	350	21-Jun
PX06	84	174	31.00	35.2	18.9	0.0	0.00	112.3	6.1	0.0	0.0	350	22-Jun
PX06	84	175	29.60	36.4	18.9	0.0	0.00	103.7	5.8	0.0	0.0	350	23-Jun
PX06	84	176	23.20	37.1	21.4	0.0	0.00	103.7	10.4	0.0	0.0	350	24-Jun
PX06	84	177	24.00	34.0	22.3	4.0	0.00	146.9	22.5	0.0	0.0	350	25-Jun
PX06	84	178	29.70	36.3	24.3	0.0	0.00	103.7	17.4	0.0	0.0	350	26-Jun
PX06	84	179	23.70	37.9	25.6	0.0	0.00	65.0	15.2	0.0	0.0	350	27-Jun
PX06	84	180	29.80	38.5	22.4	0.0	0.00	164.2	16.4	0.0	0.0	350	28-Jun
PX06	84	181	29.40	36.4	22.9	3.0	0.00	164.2	17.4	0.0	0.0	350	29-Jun
PX06	84	182	18.30	33.9	24.0	1.0	0.00	103.7	16.7	0.0	0.0	350	30-Jun
PX06	84	183	25.30	36.5	21.3	0.0	0.00	129.6	15.7	0.0	0.0	350	01-Jul
PX06	84	184	22.80	33.5	22.1	0.0	0.00	129.6	17.7	0.0	0.0	350	02-Jul
PX06	84	185	20.30	37.6	25.0	0.0	0.00	129.6	14.9	0.0	0.0	350	03-Jul
PX06	84	186	30.80	39.3	26.3	0.0	0.00	138.2	14.7	0.0	0.0	350	04-Jul
PX06	84	187	29.90	39.2	26.6	0.0	0.00	103.7	13.7	0.0	0.0	350	05-Jul
PX06	84	188	28.40	39.9	26.6	0.0	0.00	138.2	14.5	0.0	0.0	350	06-Jul
PX06	84	189	29.70	38.3	24.0	0.0	0.00	146.9	14.9	0.0	0.0	350	07-Jul
PX06	84	190	28.50	35.8	25.9	0.0	0.00	198.7	16.2	0.0	0.0	350	08-Jul
PX06	84	191	29.90	38.7	24.2	0.0	0.00	138.2	16.3	0.0	0.0	350	09-Jul
PX06	84	192	29.30	40.6	25.9	0.0	0.00	155.5	14.9	0.0	0.0	350	10-Jul
PX06	84	193	24.80	33.4	25.5	0.0	0.00	129.6	16.4	0.0	0.0	350	11-Jul
PX06	84	194	23.80	34.0	22.4	0.0	0.00	129.6	17.7	0.0	0.0	350	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	84	195	22.50	33.5	22.1	5.0	0.00	129.6	18.8	0.0	0.0	350	13-Jul
PX06	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.5	0.0	0.0	350	14-Jul
PX06	84	197	29.60	33.2	23.8	0.0	0.00	181.4	19.3	0.0	0.0	350	15-Jul
PX06	84	198	28.80	38.2	23.3	0.0	0.00	190.1	19.9	0.0	0.0	350	16-Jul
PX06	84	199	24.60	34.2	22.8	1.0	0.00	146.9	18.7	0.0	0.0	350	17-Jul
PX06	84	200	21.50	33.9	22.2	9.0	0.00	129.6	17.8	0.0	0.0	350	18-Jul
PX06	84	201	18.90	33.4	22.1	0.0	0.00	121.0	18.4	0.0	0.0	350	19-Jul
PX06	84	202	23.10	37.5	20.4	3.0	0.00	138.2	20.3	0.0	0.0	350	20-Jul
PX06	84	203	16.50	28.4	18.4	34.0	0.00	65.0	19.5	0.0	0.0	350	21-Jul
PX06	84	204	16.60	28.5	21.9	0.0	0.00	103.7	20.1	0.0	0.0	350	22-Jul
PX06	84	205	29.60	32.0	20.7	0.0	0.00	86.4	19.9	0.0	0.0	350	23-Jul
PX06	84	206	25.50	34.1	23.6	0.0	0.00	69.1	19.5	0.0	0.0	350	24-Jul
PX06	84	207	23.60	36.7	24.8	0.0	0.00	95.0	16.4	0.0	0.0	350	25-Jul
PX06	84	208	26.90	34.9	22.2	0.0	0.00	112.3	14.8	0.0	0.0	350	26-Jul
PX06	84	209	18.00	31.8	19.7	0.0	0.00	112.3	17.6	0.0	0.0	350	27-Jul
PX06	84	210	26.50	34.4	19.1	100.0	0.00	65.0	17.4	0.0	0.0	350	28-Jul
PX06	84	211	25.80	30.9	21.3	0.0	0.00	77.8	19.9	0.0	0.0	350	29-Jul
PX06	84	212	26.90	31.6	22.2	0.0	0.00	69.1	20.9	0.0	0.0	350	30-Jul
PX06	84	213	23.70	33.0	23.7	0.0	0.00	86.4	19.2	0.0	0.0	350	31-Jul
PX06	84	214	26.90	33.5	22.7	0.0	0.00	95.0	16.2	0.0	0.0	350	01-Aug
PX06	84	215	24.50	32.9	21.6	0.0	0.00	60.5	15.5	0.0	0.0	350	02-Aug
PX06	84	216	27.60	35.5	22.2	0.0	0.00	77.8	15.2	0.0	0.0	350	03-Aug
PX06	84	217	27.60	37.4	23.0	0.0	0.00	121.0	14.6	0.0	0.0	350	04-Aug
PX06	84	218	26.80	36.0	23.1	0.0	0.00	103.7	15.8	0.0	0.0	350	05-Aug
PX06	84	219	27.70	38.1	23.7	0.0	0.00	112.3	14.7	0.0	0.0	350	06-Aug
PX06	84	220	26.60	37.8	23.5	0.0	0.00	112.3	14.1	0.0	0.0	350	07-Aug
PX06	84	221	27.10	33.4	21.2	0.0	0.00	129.6	17.5	0.0	0.0	350	08-Aug
PX06	84	222	21.50	30.4	20.9	5.0	0.00	138.2	19.5	0.0	0.0	350	09-Aug
PX06	84	223	24.70	30.0	21.2	0.0	0.00	95.0	20.2	0.0	0.0	350	10-Aug
PX06	84	224	12.40	30.2	22.9	0.0	0.00	121.0	20.2	0.0	0.0	350	11-Aug
PX06	84	225	26.30	32.9	21.9	0.0	0.00	86.4	19.3	0.0	0.0	350	12-Aug
PX06	84	226	26.60	32.1	24.0	0.0	0.00	138.2	20.2	0.0	0.0	350	13-Aug
PX06	84	227	20.30	31.3	20.0	2.0	0.00	112.3	19.5	0.0	0.0	350	14-Aug
PX06	84	228	23.80	32.9	22.9	0.0	0.00	86.4	19.9	0.0	0.0	350	15-Aug
PX06	84	229	23.60	33.7	23.8	0.0	0.00	112.3	18.9	0.0	0.0	350	16-Aug
PX06	84	230	22.00	33.8	22.3	0.0	0.00	112.3	18.7	0.0	0.0	350	17-Aug
PX06	84	231	21.30	32.1	20.7	0.0	0.00	95.0	17.5	0.0	0.0	350	18-Aug
PX06	84	232	21.50	31.0	22.1	0.0	0.00	112.3	18.6	0.0	0.0	350	19-Aug
PX06	84	233	22.30	32.4	20.7	0.0	0.00	95.0	18.3	0.0	0.0	350	20-Aug
PX06	84	234	25.50	35.2	20.0	0.0	0.00	86.4	17.1	0.0	0.0	350	21-Aug
PX06	84	235	19.50	35.0	22.0	0.0	0.00	121.0	15.0	0.0	0.0	350	22-Aug
PX06	84	236	14.30	31.0	22.9	2.0	0.00	86.4	15.5	0.0	0.0	350	23-Aug
PX06	84	237	24.70	35.7	20.3	0.0	0.00	112.3	15.2	0.0	0.0	350	24-Aug
PX06	84	238	23.10	35.5	20.6	0.0	0.00	86.4	15.5	0.0	0.0	350	25-Aug
PX06	84	239	25.30	37.6	23.1	0.0	0.00	69.1	15.0	0.0	0.0	350	26-Aug
PX06	84	240	22.30	37.0	21.1	0.0	0.00	51.8	16.6	0.0	0.0	350	27-Aug
PX06	84	241	24.80	37.2	24.4	0.0	0.00	0.0	18.6	0.0	0.0	350	28-Aug
PX06	84	242	25.30	39.9	23.2	0.0	0.00	0.0	14.8	0.0	0.0	350	29-Aug
PX06	84	243	25.00	42.4	23.0	0.0	0.00	17.3	20.2	0.0	0.0	350	30-Aug
PX06	84	244	21.30	33.8	24.1	0.0	0.00	51.8	21.5	0.0	0.0	350	31-Aug
PX06	84	245	24.10	33.0	18.7	20.0	0.00	60.5	18.8	0.0	0.0	350	01-Sep
PX06	84	246	24.10	31.1	19.1	0.0	0.00	17.3	20.5	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	84	247	24.50	35.2	21.8	0.0	0.00	77.8	19.4	0.0	0.0	350	03-Sep
PX06	84	248	24.80	36.4	22.2	0.0	0.00	138.2	13.4	0.0	0.0	350	04-Sep
PX06	84	249	26.10	35.5	17.5	0.0	0.00	138.2	5.4	0.0	0.0	350	05-Sep
PX06	84	250	25.40	34.8	15.6	0.0	0.00	95.0	6.5	0.0	0.0	350	06-Sep
PX06	84	251	24.10	33.4	17.2	0.0	0.00	86.4	10.9	0.0	0.0	350	07-Sep
PX06	84	252	23.90	33.7	21.0	0.0	0.00	86.4	16.9	0.0	0.0	350	08-Sep
PX06	84	253	22.00	33.3	20.9	0.0	0.00	112.3	17.8	0.0	0.0	350	09-Sep
PX06	84	254	21.50	32.7	20.1	46.0	0.00	86.4	21.5	0.0	0.0	350	10-Sep
PX06	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX06	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	350	12-Sep
PX06	84	257	22.10	32.2	19.6	0.0	0.00	77.8	18.0	0.0	0.0	350	13-Sep
PX06	84	258	21.80	33.2	20.8	0.0	0.00	69.1	17.4	0.0	0.0	350	14-Sep
PX06	84	259	23.10	36.0	22.7	1.0	0.00	155.5	12.3	0.0	0.0	350	15-Sep
PX06	84	260	23.10	34.9	21.1	0.0	0.00	95.0	12.7	0.0	0.0	350	16-Sep
PX06	84	261	19.30	35.7	21.5	0.0	0.00	77.8	12.4	0.0	0.0	350	17-Sep
PX06	84	262	22.20	37.1	20.9	0.0	0.00	121.0	11.0	0.0	0.0	350	18-Sep
PX06	84	263	21.70	36.0	20.1	0.0	0.00	95.0	11.9	0.0	0.0	350	19-Sep
PX06	84	264	21.50	35.8	20.5	0.0	0.00	112.3	10.6	0.0	0.0	350	20-Sep
PX06	84	265	18.80	34.6	20.7	2.0	0.00	121.0	13.1	0.0	0.0	350	21-Sep
PX06	84	266	20.90	33.6	19.3	0.0	0.00	138.2	13.6	0.0	0.0	350	22-Sep
PX06	84	267	19.60	33.8	20.7	0.0	0.00	121.0	13.0	0.0	0.0	350	23-Sep
PX06	84	268	3.70	33.3	19.3	0.0	0.00	86.4	12.3	0.0	0.0	350	24-Sep
PX06	84	269	3.90	24.8	18.7	8.0	0.00	69.1	17.7	0.0	0.0	350	25-Sep
PX06	84	270	20.10	20.3	16.7	20.0	0.00	17.3	16.7	0.0	0.0	350	26-Sep
PX06	84	271	20.60	28.3	15.0	0.0	0.00	17.3	16.7	0.0	0.0	350	27-Sep
PX06	84	272	20.00	30.5	17.0	0.0	0.00	25.9	14.7	0.0	0.0	350	28-Sep
PX06	84	273	14.20	31.8	16.3	0.0	0.00	51.8	14.5	0.0	0.0	350	29-Sep
PX06	84	274	17.60	29.8	16.9	0.0	0.00	146.9	12.6	0.0	0.0	350	30-Sep
PX06	84	275	18.60	30.3	18.1	0.0	0.00	86.4	11.8	0.0	0.0	350	01-Oct
PX06	84	276	18.60	29.2	15.8	0.0	0.00	86.4	11.5	0.0	0.0	350	02-Oct
PX06	84	277	18.70	29.2	15.8	5.0	0.00	77.8	11.5	0.0	0.0	350	03-Oct
PX06	84	278	18.90	26.0	11.6	0.0	0.00	69.1	12.2	0.0	0.0	350	04-Oct
PX06	84	279	19.00	26.7	11.9	0.0	0.00	69.1	11.8	0.0	0.0	350	05-Oct
PX06	84	280	19.00	29.7	12.5	0.0	0.00	60.5	9.7	0.0	0.0	350	06-Oct
PX06	84	281	19.10	31.8	13.4	0.0	0.00	51.8	9.0	0.0	0.0	350	07-Oct
PX06	84	282	18.70	32.6	13.8	0.0	0.00	51.8	7.7	0.0	0.0	350	08-Oct
PX06	84	283	18.20	32.1	14.4	0.0	0.00	60.5	8.4	0.0	0.0	350	09-Oct
PX06	84	284	17.70	31.1	14.5	0.0	0.00	86.4	10.9	0.0	0.0	350	10-Oct
PX06	84	285	14.30	30.6	16.3	0.0	0.00	60.5	14.2	0.0	0.0	350	11-Oct
PX06	84	286	17.60	29.6	16.7	0.0	0.00	60.5	14.9	0.0	0.0	350	12-Oct
PX06	84	287	16.60	29.5	13.4	0.0	0.00	112.3	11.2	0.0	0.0	350	13-Oct
PX06	84	288	17.80	29.5	12.9	0.0	0.00	69.1	9.8	0.0	0.0	350	14-Oct
PX06	84	289	14.80	26.9	12.8	0.0	0.00	164.2	5.4	0.0	0.0	350	15-Oct
PX06	84	290	17.20	23.5	8.0	0.0	0.00	103.7	-4.1	0.0	0.0	350	16-Oct

FILENAME: PX120407.W84   WEATHER DATA FOR CO2=AMBIENT, IRRIGATION-DRY, REP-#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX12	33.40	112.00	2.30	0	1	1	0	1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX12	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX12	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX12	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX12	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX12	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX12	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX12	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX12	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX12	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX12	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX12	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX12	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX12	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX12	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX12	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX12	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX12	84 114	30.04	33.8	14.1	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX12	84 115	30.34	34.1	12.9	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX12	84 116	18.07	29.8	12.3	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX12	84 117	13.86	27.2	8.8	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX12	84 118	9.55	27.2	9.4	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX12	84 119	1.43	25.1	9.4	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX12	84 120	28.70	28.6	2.3	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX12	84 121	19.17	30.3	7.0	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX12	84 122	22.03	31.5	9.4	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX12	84 123	28.45	32.1	10.0	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX12	84 124	29.76	34.1	14.7	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX12	84 125	30.46	34.7	16.5	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX12	84 126	29.90	34.1	17.0	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX12	84 127	30.20	34.1	15.9	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX12	84 128	30.00	34.9	17.0	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX12	84 129	31.00	35.8	15.3	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX12	84 130	30.25	36.7	17.6	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX12	84 131	30.25	37.0	17.0	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX12	84 132	30.50	36.4	17.6	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX12	84 133	17.50	35.5	19.4	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX12	84 134	29.50	36.7	19.4	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX12	84 135	27.60	36.4	21.8	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX12	84 136	24.00	34.9	17.6	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX12	84 137	30.70	34.7	15.3	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX12	84 138	30.25	34.9	18.2	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX12	84 139	30.40	35.5	18.2	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX12	84 140	31.00	36.1	18.2	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX12	84 141	30.70	36.4	18.8	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX12	84 142	30.60	36.7	19.4	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	84 143	31.20	37.0	19.4	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX12	84 144	31.00	38.1	18.2	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX12	84 145	31.40	37.8	19.4	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX12	84 146	31.60	37.8	19.4	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX12	84 147	31.20	38.1	18.8	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX12	84 148	31.60	38.4	20.0	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX12	84 149	31.80	39.6	20.0	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX12	84 150	27.40	38.7	24.1	0.0	0.00	224.6	6.8	0.0	0.0	350	29-May
PX12	84 151	22.30	37.5	24.9	0.0	0.00	181.4	8.2	0.0	0.0	350	30-May
PX12	84 152	29.20	36.1	20.6	0.0	0.00	112.3	12.1	0.0	0.0	350	31-May
PX12	84 153	30.70	36.4	22.1	0.0	0.00	164.2	7.5	0.0	0.0	350	01-Jun
PX12	84 154	30.60	36.7	20.0	0.0	0.00	181.4	5.9	0.0	0.0	350	02-Jun
PX12	84 155	31.40	36.8	22.6	0.0	0.00	190.1	-0.7	0.0	0.0	350	03-Jun
PX12	84 156	26.70	34.7	18.6	0.0	0.00	181.4	6.2	0.0	0.0	350	04-Jun
PX12	84 157	25.30	32.4	18.4	0.0	0.00	138.2	6.4	0.0	0.0	350	05-Jun
PX12	84 158	29.40	33.7	18.6	0.0	0.00	181.4	5.6	0.0	0.0	350	06-Jun
PX12	84 159	31.40	32.8	19.6	0.0	0.00	155.5	4.6	0.0	0.0	350	07-Jun
PX12	84 160	30.80	34.6	17.7	0.0	0.00	129.6	6.2	0.0	0.0	350	08-Jun
PX12	84 161	30.90	36.7	13.1	0.0	0.00	65.0	7.5	0.0	0.0	350	09-Jun
PX12	84 162	30.80	38.7	16.4	0.0	0.00	198.7	6.7	0.0	0.0	350	10-Jun
PX12	84 163	30.90	37.1	13.3	0.0	0.00	190.1	8.1	0.0	0.0	350	11-Jun
PX12	84 164	31.60	38.3	12.7	0.0	0.00	190.1	7.5	0.0	0.0	350	12-Jun
PX12	84 165	31.80	38.6	18.1	0.0	0.00	155.5	5.9	0.0	0.0	350	13-Jun
PX12	84 166	31.30	38.8	19.7	0.0	0.00	164.2	4.8	0.0	0.0	350	14-Jun
PX12	84 167	32.00	38.7	18.8	0.0	0.00	112.3	4.3	0.0	0.0	350	15-Jun
PX12	84 168	31.70	37.2	18.7	0.0	0.00	112.3	2.7	0.0	0.0	350	16-Jun
PX12	84 169	31.80	38.3	17.2	0.0	0.00	65.0	2.9	0.0	0.0	350	17-Jun
PX12	84 170	30.90	39.3	18.5	0.0	0.00	112.3	6.7	0.0	0.0	350	18-Jun
PX12	84 171	30.60	39.6	22.0	0.0	0.00	112.3	7.4	0.0	0.0	350	19-Jun
PX12	84 172	31.90	37.3	19.4	0.0	0.00	138.2	4.6	0.0	0.0	350	20-Jun
PX12	84 173	31.70	36.2	18.1	0.0	0.00	164.2	3.4	0.0	0.0	350	21-Jun
PX12	84 174	31.00	34.4	19.7	0.0	0.00	112.3	7.0	0.0	0.0	350	22-Jun
PX12	84 175	29.60	35.8	19.0	0.0	0.00	103.7	6.8	0.0	0.0	350	23-Jun
PX12	84 176	23.20	36.7	21.4	0.0	0.00	103.7	11.0	0.0	0.0	350	24-Jun
PX12	84 177	24.00	33.8	22.2	4.0	0.00	146.9	18.0	0.0	0.0	350	25-Jun
PX12	84 178	29.70	36.4	24.7	0.0	0.00	103.7	17.4	0.0	0.0	350	26-Jun
PX12	84 179	23.70	37.9	26.1	0.0	0.00	65.0	15.2	0.0	0.0	350	27-Jun
PX12	84 180	29.80	38.2	22.9	0.0	0.00	164.2	16.4	0.0	0.0	350	28-Jun
PX12	84 181	29.40	35.9	23.4	3.0	0.00	164.2	17.6	0.0	0.0	350	29-Jun
PX12	84 182	18.30	33.6	24.1	1.0	0.00	103.7	16.8	0.0	0.0	350	30-Jun
PX12	84 183	25.30	35.9	21.4	0.0	0.00	129.6	15.8	0.0	0.0	350	01-Jul
PX12	84 184	22.80	35.2	22.6	0.0	0.00	129.6	16.9	0.0	0.0	350	02-Jul
PX12	84 185	20.30	36.5	25.1	0.0	0.00	129.6	15.1	0.0	0.0	350	03-Jul
PX12	84 186	30.80	38.8	26.3	0.0	0.00	138.2	14.8	0.0	0.0	350	04-Jul
PX12	84 187	29.90	37.7	26.4	0.0	0.00	103.7	14.6	0.0	0.0	350	05-Jul
PX12	84 188	28.40	37.8	26.2	0.0	0.00	138.2	15.4	0.0	0.0	350	06-Jul
PX12	84 189	29.70	35.8	24.0	0.0	0.00	146.9	15.7	0.0	0.0	350	07-Jul
PX12	84 190	28.50	34.2	26.0	0.0	0.00	198.7	16.7	0.0	0.0	350	08-Jul
PX12	84 191	29.90	36.1	24.2	0.0	0.00	138.2	16.7	0.0	0.0	350	09-Jul
PX12	84 192	29.30	37.7	25.9	0.0	0.00	155.5	15.6	0.0	0.0	350	10-Jul
PX12	84 193	24.80	33.1	25.5	0.0	0.00	129.6	16.0	0.0	0.0	350	11-Jul
PX12	84 194	23.80	33.4	22.2	0.0	0.00	129.6	18.0	0.0	0.0	350	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	84	195	22.50	32.4	22.1	5.0	0.00	129.6	19.0	0.0	0.0	350	13-Jul
PX12	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.2	0.0	0.0	350	14-Jul
PX12	84	197	29.60	32.3	23.9	0.0	0.00	181.4	19.4	0.0	0.0	350	15-Jul
PX12	84	198	28.80	34.4	24.5	0.0	0.00	190.1	18.3	0.0	0.0	350	16-Jul
PX12	84	199	24.60	33.3	23.0	1.0	0.00	146.9	18.7	0.0	0.0	350	17-Jul
PX12	84	200	21.50	33.9	22.2	9.0	0.00	129.6	18.2	0.0	0.0	350	18-Jul
PX12	84	201	18.90	32.5	22.3	0.0	0.00	121.0	18.4	0.0	0.0	350	19-Jul
PX12	84	202	23.10	31.7	20.6	3.0	0.00	138.2	18.9	0.0	0.0	350	20-Jul
PX12	84	203	16.50	37.0	18.4	34.0	0.00	65.0	21.1	0.0	0.0	350	21-Jul
PX12	84	204	16.60	28.5	22.1	0.0	0.00	103.7	20.1	0.0	0.0	350	22-Jul
PX12	84	205	29.60	31.5	21.1	0.0	0.00	86.4	19.9	0.0	0.0	350	23-Jul
PX12	84	206	25.50	33.2	23.6	0.0	0.00	69.1	18.6	0.0	0.0	350	24-Jul
PX12	84	207	23.60	35.9	24.8	0.0	0.00	95.0	16.0	0.0	0.0	350	25-Jul
PX12	84	208	26.90	33.9	22.3	0.0	0.00	112.3	15.1	0.0	0.0	350	26-Jul
PX12	84	209	18.00	30.9	22.2	0.0	0.00	112.3	18.0	0.0	0.0	350	27-Jul
PX12	84	210	26.50	34.4	19.1	100.0	0.00	65.0	17.4	0.0	0.0	350	28-Jul
PX12	84	211	25.80	30.8	21.7	0.0	0.00	77.8	19.6	0.0	0.0	350	29-Jul
PX12	84	212	26.90	31.8	22.4	0.0	0.00	69.1	18.7	0.0	0.0	350	30-Jul
PX12	84	213	23.70	32.8	23.8	0.0	0.00	86.4	19.1	0.0	0.0	350	31-Jul
PX12	84	214	26.90	32.9	22.7	0.0	0.00	95.0	16.2	0.0	0.0	350	01-Aug
PX12	84	215	24.50	32.3	21.8	0.0	0.00	60.5	15.8	0.0	0.0	350	02-Aug
PX12	84	216	27.60	33.9	21.9	0.0	0.00	77.8	15.7	0.0	0.0	350	03-Aug
PX12	84	217	27.60	35.5	23.1	0.0	0.00	121.0	15.3	0.0	0.0	350	04-Aug
PX12	84	218	26.80	34.3	23.4	0.0	0.00	103.7	16.4	0.0	0.0	350	05-Aug
PX12	84	219	27.70	36.2	23.9	0.0	0.00	112.3	15.0	0.0	0.0	350	06-Aug
PX12	84	220	26.60	36.5	23.6	0.0	0.00	112.3	14.3	0.0	0.0	350	07-Aug
PX12	84	221	27.10	33.4	22.6	0.0	0.00	129.6	17.8	0.0	0.0	350	08-Aug
PX12	84	222	21.50	30.5	21.7	5.0	0.00	138.2	21.1	0.0	0.0	350	09-Aug
PX12	84	223	24.70	30.0	21.7	0.0	0.00	95.0	19.7	0.0	0.0	350	10-Aug
PX12	84	224	12.40	30.2	23.6	0.0	0.00	121.0	19.9	0.0	0.0	350	11-Aug
PX12	84	225	26.30	33.0	22.3	0.0	0.00	86.4	18.9	0.0	0.0	350	12-Aug
PX12	84	226	26.60	31.6	24.3	0.0	0.00	138.2	19.7	0.0	0.0	350	13-Aug
PX12	84	227	20.30	31.1	20.4	0.0	0.00	112.3	19.4	0.0	0.0	350	14-Aug
PX12	84	228	23.80	31.9	23.1	0.0	0.00	86.4	19.7	0.0	0.0	350	15-Aug
PX12	84	229	23.60	33.0	24.0	0.0	0.00	112.3	18.9	0.0	0.0	350	16-Aug
PX12	84	230	22.00	33.0	22.6	0.0	0.00	112.3	18.7	0.0	0.0	350	17-Aug
PX12	84	231	21.30	31.2	20.9	0.0	0.00	95.0	17.5	0.0	0.0	350	18-Aug
PX12	84	232	21.50	29.9	22.4	0.0	0.00	112.3	18.6	0.0	0.0	350	19-Aug
PX12	84	233	22.30	31.3	21.1	0.0	0.00	95.0	17.6	0.0	0.0	350	20-Aug
PX12	84	234	25.50	33.3	21.6	0.0	0.00	86.4	15.7	0.0	0.0	350	21-Aug
PX12	84	235	19.50	34.3	22.2	0.0	0.00	121.0	14.7	0.0	0.0	350	22-Aug
PX12	84	236	14.30	30.7	23.2	2.0	0.00	86.4	15.9	0.0	0.0	350	23-Aug
PX12	84	237	24.70	34.2	20.4	0.0	0.00	112.3	15.4	0.0	0.0	350	24-Aug
PX12	84	238	23.10	33.9	20.7	0.0	0.00	86.4	15.8	0.0	0.0	350	25-Aug
PX12	84	239	25.30	35.3	23.4	0.0	0.00	69.1	15.3	0.0	0.0	350	26-Aug
PX12	84	240	22.30	35.5	21.1	0.0	0.00	51.8	15.2	0.0	0.0	350	27-Aug
PX12	84	241	24.80	35.6	24.4	0.0	0.00	0.0	16.5	0.0	0.0	350	28-Aug
PX12	84	242	25.30	38.0	22.8	0.0	0.00	0.0	15.0	0.0	0.0	350	29-Aug
PX12	84	243	25.00	34.9	22.7	0.0	0.00	17.3	15.4	0.0	0.0	350	30-Aug
PX12	84	244	21.30	32.9	23.1	0.0	0.00	51.8	16.6	0.0	0.0	350	31-Aug
PX12	84	245	24.10	31.5	19.6	20.0	0.00	60.5	18.9	0.0	0.0	350	01-Sep
PX12	84	246	24.10	30.0	19.7	0.0	0.00	17.3	20.3	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	84	247	24.50	34.6	22.1	0.0	0.00	77.8	19.5	0.0	0.0	350	03-Sep
PX12	84	248	24.80	35.2	22.9	0.0	0.00	138.2	13.7	0.0	0.0	350	04-Sep
PX12	84	249	26.10	34.4	17.6	0.0	0.00	138.2	5.8	0.0	0.0	350	05-Sep
PX12	84	250	25.40	34.1	15.7	0.0	0.00	95.0	7.0	0.0	0.0	350	06-Sep
PX12	84	251	24.10	32.4	17.1	0.0	0.00	86.4	11.1	0.0	0.0	350	07-Sep
PX12	84	252	23.90	32.9	21.2	0.0	0.00	86.4	16.7	0.0	0.0	350	08-Sep
PX12	84	253	22.00	32.7	21.1	0.0	0.00	112.3	17.6	0.0	0.0	350	09-Sep
PX12	84	254	21.50	32.1	20.1	46.0	0.00	86.4	21.3	0.0	0.0	350	10-Sep
PX12	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX12	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	350	12-Sep
PX12	84	257	22.10	31.7	196.0	0.0	0.00	77.8	17.7	0.0	0.0	350	13-Sep
PX12	84	258	21.80	33.6	20.8	0.0	0.00	69.1	17.3	0.0	0.0	350	14-Sep
PX12	84	259	23.10	35.3	23.1	1.0	0.00	155.5	13.4	0.0	0.0	350	15-Sep
PX12	84	260	23.10	34.0	20.7	0.0	0.00	95.0	14.3	0.0	0.0	350	16-Sep
PX12	84	261	19.30	34.2	21.4	0.0	0.00	77.8	14.4	0.0	0.0	350	17-Sep
PX12	84	262	22.20	35.8	20.6	0.0	0.00	121.0	13.3	0.0	0.0	350	18-Sep
PX12	84	263	21.70	33.4	19.8	0.0	0.00	95.0	14.0	0.0	0.0	350	19-Sep
PX12	84	264	21.50	33.7	20.2	0.0	0.00	112.3	12.9	0.0	0.0	350	20-Sep
PX12	84	265	18.80	33.0	20.4	2.0	0.00	121.0	14.5	0.0	0.0	350	21-Sep
PX12	84	266	20.90	31.4	18.9	0.0	0.00	138.2	15.0	0.0	0.0	350	22-Sep
PX12	84	267	19.60	31.5	20.6	0.0	0.00	121.0	14.5	0.0	0.0	350	23-Sep
PX12	84	268	3.70	30.9	19.3	0.0	0.00	86.4	13.9	0.0	0.0	350	24-Sep
PX12	84	269	3.90	25.1	17.2	8.0	0.00	69.1	18.4	0.0	0.0	350	25-Sep
PX12	84	270	20.10	22.0	16.9	20.0	0.00	17.3	17.0	0.0	0.0	350	26-Sep
PX12	84	271	20.60	30.8	16.3	0.0	0.00	17.3	16.8	0.0	0.0	350	27-Sep
PX12	84	272	20.00	32.8	18.6	0.0	0.00	25.9	15.2	0.0	0.0	350	28-Sep
PX12	84	273	14.20	33.2	17.9	0.0	0.00	51.8	15.0	0.0	0.0	350	29-Sep
PX12	84	274	17.60	31.3	18.3	0.0	.0.00	146.9	13.7	0.0	0.0	350	30-Sep
PX12	84	275	18.60	33.2	19.3	0.0	0.00	86.4	12.4	0.0	0.0	350	01-Oct
PX12	84	276	18.60	30.8	16.9	0.0	0.00	86.4	12.2	0.0	0.0	350	02-Oct
PX12	84	277	18.70	30.8	16.9	5.0	0.00	77.8	12.2	0.0	0.0	350	03-Oct
PX12	84	278	18.90	28.0	13.3	0.0	0.00	69.1	12.6	0.0	0.0	350	04-Oct
PX12	84	279	19.00	26.7	11.9	0.0	0.00	69.1	11.2	0.0	0.0	350	05-Oct
PX12	84	280	19.00	30.8	14.0	0.0	0.00	60.5	10.5	0.0	0.0	350	06-Oct
PX12	84	281	19.10	30.7	14.8	0.0	0.00	51.8	11.0	0.0	0.0	350	07-Oct
PX12	84	282	18.70	31.1	13.5	0.0	0.00	51.8	10.5	0.0	0.0	350	08-Oct
PX12	84	283	18.20	30.8	14.4	0.0	0.00	60.5	11.1	0.0	0.0	350	09-Oct
PX12	84	284	17.70	29.9	14.4	0.0	0.00	86.4	11.5	0.0	0.0	350	10-Oct
PX12	84	285	14.30	28.8	16.1	0.0	0.00	60.5	14.8	0.0	0.0	350	11-Oct
PX12	84	286	17.60	27.9	16.4	0.0	0.00	60.5	14.6	0.0	0.0	350	12-Oct
PX12	84	287	16.60	28.3	13.1	0.0	0.00	112.3	11.2	0.0	0.0	350	13-Oct
PX12	84	288	17.80	28.8	12.9	0.0	0.00	69.1	9.8	0.0	0.0	350	14-Oct
PX12	84	289	14.80	25.7	13.0	0.0	0.00	164.2	5.6	0.0	0.0	350	15-Oct
PX12	84	290	17.20	21.8	8.3	0.0	0.00	103.7	0.6	0.0	0.0	350	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX03	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX03	84	97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX03	84	98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX03	84	99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX03	84	100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX03	84	101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX03	84	102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX03	84	103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX03	84	104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX03	84	105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX03	84	106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX03	84	107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX03	84	108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX03	84	109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX03	84	110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX03	84	111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX03	84	112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX03	84	113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX03	84	114	30.04	33.9	14.1	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX03	84	115	30.34	34.2	13.0	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX03	84	116	18.07	30.2	12.4	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX03	84	117	13.86	27.7	9.0	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX03	84	118	9.55	27.7	6.7	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX03	84	119	1.43	25.8	9.6	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX03	84	120	28.70	29.1	2.8	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX03	84	121	19.17	30.7	7.3	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX03	84	122	22.03	31.8	9.6	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX03	84	123	28.45	32.3	10.1	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX03	84	124	29.76	34.2	14.7	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX03	84	125	30.46	34.8	16.4	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX03	84	126	29.90	34.2	16.9	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX03	84	127	30.20	34.2	15.8	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX03	84	128	30.00	35.0	16.9	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX03	84	129	31.00	35.8	15.2	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX03	84	130	30.25	36.7	17.5	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX03	84	131	30.25	36.9	16.9	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX03	84	132	30.50	36.4	17.5	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX03	84	133	17.50	35.6	19.2	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX03	84	134	29.50	36.7	19.2	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX03	84	135	27.60	36.4	21.5	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX03	84	136	24.00	35.0	17.5	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX03	84	137	30.70	34.8	15.2	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX03	84	138	30.25	35.0	18.1	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX03	84	139	30.40	35.6	18.1	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX03	84	140	31.00	36.1	18.1	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX03	84	141	30.70	36.4	18.6	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX03	84	142	30.60	36.7	19.2	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	84	143	31.20	36.9	19.2	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX03	84	144	31.00	38.0	18.1	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX03	84	145	31.40	37.7	19.2	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX03	84	146	31.60	37.7	19.2	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX03	84	147	31.20	38.0	18.6	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX03	84	148	31.60	38.3	19.8	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX03	84	149	31.80	39.4	19.8	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX03	84	150	27.40	38.6	23.7	0.0	0.00	224.6	6.8	0.0	0.0	350	29-May
PX03	84	151	22.30	38.3	24.9	0.0	0.00	181.4	8.9	0.0	0.0	350	30-May
PX03	84	152	29.20	36.3	20.0	0.0	0.00	112.3	12.8	0.0	0.0	350	31-May
PX03	84	153	30.70	35.7	21.7	0.0	0.00	164.2	9.0	0.0	0.0	350	01-Jun
PX03	84	154	30.60	36.7	19.8	0.0	0.00	181.4	6.1	0.0	0.0	350	02-Jun
PX03	84	155	31.40	37.2	21.8	0.0	0.00	190.1	2.3	0.0	0.0	350	03-Jun
PX03	84	156	26.70	35.6	18.0	0.0	0.00	181.4	7.7	0.0	0.0	350	04-Jun
PX03	84	157	25.30	33.3	17.8	0.0	0.00	138.2	7.7	0.0	0.0	350	05-Jun
PX03	84	158	29.40	34.5	17.4	0.0	0.00	181.4	7.1	0.0	0.0	350	06-Jun
PX03	84	159	31.40	34.1	19.2	0.0	0.00	155.5	6.4	0.0	0.0	350	07-Jun
PX03	84	160	30.80	35.9	17.2	0.0	0.00	129.6	4.3	0.0	0.0	350	08-Jun
PX03	84	161	30.90	37.5	16.0	0.0	0.00	65.0	1.1	0.0	0.0	350	09-Jun
PX03	84	162	30.80	40.1	19.6	0.0	0.00	198.7	0.2	0.0	0.0	350	10-Jun
PX03	84	163	30.90	38.2	17.3	0.0	0.00	190.1	0.6	0.0	0.0	350	11-Jun
PX03	84	164	31.60	39.1	16.1	0.0	0.00	190.1	0.2	0.0	0.0	350	12-Jun
PX03	84	165	31.80	35.5	17.3	0.0	0.00	155.5	4.6	0.0	0.0	350	13-Jun
PX03	84	166	31.30	34.9	17.5	0.0	0.00	164.2	3.9	0.0	0.0	350	14-Jun
PX03	84	167	32.00	35.5	15.7	0.0	0.00	112.3	3.0	0.0	0.0	350	15-Jun
PX03	84	168	31.70	34.9	16.5	0.0	0.00	112.3	-0.9	0.0	0.0	350	16-Jun
PX03	84	169	31.80	36.7	15.2	0.0	0.00	65.0	-3.0	0.0	0.0	350	17-Jun
PX03	84	170	30.90	37.5	17.1	0.0	0.00	112.3	-0.0	0.0	0.0	350	18-Jun
PX03	84	171	30.60	38.6	20.9	0.0	0.00	112.3	2.9	0.0	0.0	350	19-Jun
PX03	84	172	31.90	37.2	19.2	0.0	0.00	138.2	2.1	0.0	0.0	350	20-Jun
PX03	84	173	31.70	38.9	17.2	0.0	0.00	164.2	-0.5	0.0	0.0	350	21-Jun
PX03	84	174	31.00	38.8	20.2	0.0	0.00	112.3	3.4	0.0	0.0	350	22-Jun
PX03	84	175	29.60	39.4	20.2	0.0	0.00	103.7	5.0	0.0	0.0	350	23-Jun
PX03	84	176	23.20	39.3	22.4	0.0	0.00	103.7	10.3	0.0	0.0	350	24-Jun
PX03	84	177	24.00	35.1	21.8	4.0	0.00	146.9	17.9	0.0	0.0	350	25-Jun
PX03	84	178	29.70	38.7	24.6	0.0	0.00	103.7	17.3	0.0	0.0	350	26-Jun
PX03	84	179	23.70	35.3	26.3	0.0	0.00	65.0	17.1	0.0	0.0	350	27-Jun
PX03	84	180	29.80	34.4	22.2	0.0	0.00	164.2	18.3	0.0	0.0	350	28-Jun
PX03	84	181	29.40	32.9	22.6	3.0	0.00	164.2	18.7	0.0	0.0	350	29-Jun
PX03	84	182	18.30	31.6	23.1	1.0	0.00	103.7	17.9	0.0	0.0	350	30-Jun
PX03	84	183	25.30	33.9	19.7	0.0	0.00	129.6	17.1	0.0	0.0	350	01-Jul
PX03	84	184	22.80	33.5	22.1	0.0	0.00	129.6	17.7	0.0	0.0	350	02-Jul
PX03	84	185	20.30	36.5	25.1	0.0	0.00	129.6	15.1	0.0	0.0	350	03-Jul
PX03	84	186	30.80	38.8	26.3	0.0	0.00	138.2	14.8	0.0	0.0	350	04-Jul
PX03	84	187	29.90	37.7	26.4	0.0	0.00	103.7	14.6	0.0	0.0	350	05-Jul
PX03	84	188	28.40	37.8	26.2	0.0	0.00	138.2	15.4	0.0	0.0	350	06-Jul
PX03	84	189	29.70	37.8	26.2	0.0	0.00	146.9	15.7	0.0	0.0	350	07-Jul
PX03	84	190	28.50	35.8	24.0	0.0	0.00	198.7	16.7	0.0	0.0	350	08-Jul
PX03	84	191	29.90	34.2	26.0	0.0	0.00	138.2	16.5	0.0	0.0	350	09-Jul
PX03	84	192	29.30	36.9	24.2	0.0	0.00	155.5	15.2	0.0	0.0	350	10-Jul
PX03	84	193	24.80	32.5	25.5	0.0	0.00	129.6	16.9	0.0	0.0	350	11-Jul
PX03	84	194	23.80	33.4	22.0	0.0	0.00	129.6	18.0	0.0	0.0	350	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	84	195	22.50	32.1	21.7	5.0	0.00	129.6	19.2	0.0	0.0	350	13-Jul
PX03	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.5	0.0	0.0	350	14-Jul
PX03	84	197	29.60	32.4	23.8	0.0	0.00	181.4	19.7	0.0	0.0	350	15-Jul
PX03	84	198	28.80	34.1	24.1	0.0	0.00	190.1	18.7	0.0	0.0	350	16-Jul
PX03	84	199	24.60	33.5	22.8	1.0	0.00	146.9	19.0	0.0	0.0	350	17-Jul
PX03	84	200	21.50	33.9	22.2	9.0	0.00	129.6	17.7	0.0	0.0	350	18-Jul
PX03	84	201	18.90	33.0	22.1	0.0	0.00	121.0	18.6	0.0	0.0	350	19-Jul
PX03	84	202	23.10	32.4	20.5	3.0	0.00	138.2	19.0	0.0	0.0	350	20-Jul
PX03	84	203	16.50	28.6	17.0	34.0	0.00	65.0	19.6	0.0	0.0	350	21-Jul
PX03	84	204	16.60	28.0	21.8	0.0	0.00	103.7	20.2	0.0	0.0	350	22-Jul
PX03	84	205	29.60	31.7	20.9	0.0	0.00	86.4	19.9	0.0	0.0	350	23-Jul
PX03	84	206	25.50	34.6	23.6	0.0	0.00	69.1	18.4	0.0	0.0	350	24-Jul
PX03	84	207	23.60	34.1	25.0	0.0	0.00	95.0	17.7	0.0	0.0	350	25-Jul
PX03	84	208	26.90	31.7	21.1	0.0	0.00	112.3	16.6	0.0	0.0	350	26-Jul
PX03	84	209	18.00	28.9	18.4	0.0	0.00	112.3	18.8	0.0	0.0	350	27-Jul
PX03	84	210	26.50	34.4	19.1	100.0	0.00	65.0	16.9	0.0	0.0	350	28-Jul
PX03	84	211	25.80	32.5	20.2	0.0	0.00	77.8	23.1	0.0	0.0	350	29-Jul
PX03	84	212	26.90	35.4	20.7	0.0	0.00	69.1	21.2	0.0	0.0	350	30-Jul
PX03	84	213	23.70	31.5	22.5	0.0	0.00	86.4	20.2	0.0	0.0	350	31-Jul
PX03	84	214	26.90	31.5	22.1	0.0	0.00	95.0	17.0	0.0	0.0	350	01-Aug
PX03	84	215	24.50	31.6	21.5	0.0	0.00	60.5	16.2	0.0	0.0	350	02-Aug
PX03	84	216	27.60	32.8	21.9	0.0	0.00	77.8	16.1	0.0	0.0	350	03-Aug
PX03	84	217	27.60	34.0	22.8	0.0	0.00	121.0	15.9	0.0	0.0	350	04-Aug
PX03	84	218	26.80	33.2	22.8	0.0	0.00	103.7	16.8	0.0	0.0	350	05-Aug
PX03	84	219	27.70	35.6	23.3	0.0	0.00	112.3	15.7	0.0	0.0	350	06-Aug
PX03	84	220	26.60	35.7	22.8	0.0	0.00	112.3	15.0	0.0	0.0	350	07-Aug
PX03	84	221	27.10	31.6	18.7	0.0	0.00	129.6	17.8	0.0	0.0	350	08-Aug
PX03	84	222	21.50	30.1	20.4	5.0	0.00	138.2	19.9	0.0	0.0	350	09-Aug
PX03	84	223	24.70	29.7	20.6	0.0	0.00	95.0	20.4	0.0	0.0	350	10-Aug
PX03	84	224	12.40	30.1	22.6	0.0	0.00	121.0	20.4	0.0	0.0	350	11-Aug
PX03	84	225	26.30	31.9	22.0	0.0	0.00	86.4	19.7	0.0	0.0	350	12-Aug
PX03	84	226	26.60	31.7	23.8	0.0	0.00	138.2	20.4	0.0	0.0	350	13-Aug
PX03	84	227	20.30	30.6	19.9	2.0	0.00	112.3	19.7	0.0	0.0	350	14-Aug
PX03	84	228	23.80	32.7	22.6	0.0	0.00	86.4	20.1	0.0	0.0	350	15-Aug
PX03	84	229	23.60	33.8	23.4	0.0	0.00	112.3	19.2	0.0	0.0	350	16-Aug
PX03	84	230	22.00	33.9	22.1	0.0	0.00	112.3	18.9	0.0	0.0	350	17-Aug
PX03	84	231	21.30	32.4	20.5	0.0	0.00	95.0	17.7	0.0	0.0	350	18-Aug
PX03	84	232	21.50	31.5	22.1	0.0	0.00	112.3	18.7	0.0	0.0	350	19-Aug
PX03	84	233	22.30	33.3	20.8	0.0	0.00	95.0	17.7	0.0	0.0	350	20-Aug
PX03	84	234	25.50	35.1	21.4	0.0	0.00	86.4	15.7	0.0	0.0	350	21-Aug
PX03	84	235	19.50	36.0	22.4	0.0	0.00	121.0	14.7	0.0	0.0	350	22-Aug
PX03	84	236	14.30	29.3	21.9	2.0	0.00	86.4	17.1	0.0	0.0	350	23-Aug
PX03	84	237	24.70	30.2	19.2	0.0	0.00	112.3	17.3	0.0	0.0	350	24-Aug
PX03	84	238	23.10	30.3	19.1	0.0	0.00	86.4	17.6	0.0	0.0	350	25-Aug
PX03	84	239	25.30	31.2	21.4	0.0	0.00	69.1	17.3	0.0	0.0	350	26-Aug
PX03	84	240	22.30	32.2	19.9	0.0	0.00	51.8	17.0	0.0	0.0	350	27-Aug
PX03	84	241	24.80	26.8	20.2	0.0	0.00	0.0	19.9	0.0	0.0	350	28-Aug
PX03	84	242	25.30	35.0	19.0	0.0	0.00	0.0	16.8	0.0	0.0	350	29-Aug
PX03	84	243	25.00	36.3	21.9	0.0	0.00	17.3	15.1	0.0	0.0	350	30-Aug
PX03	84	244	21.30	35.2	24.5	0.0	0.00	51.8	16.1	0.0	0.0	350	31-Aug
PX03	84	245	24.10	34.6	19.1	20.0	0.00	60.5	18.5	0.0	0.0	350	01-Sep
PX03	84	246	24.10	32.6	19.1	0.0	0.00	17.3	21.4	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	84	247	24.50	34.7	21.7	0.0	0.00	77.8	19.9	0.0	0.0	350	03-Sep
PX03	84	248	24.80	36.1	21.7	0.0	0.00	138.2	14.9	0.0	0.0	350	04-Sep
PX03	84	249	26.10	35.5	18.0	0.0	0.00	138.2	7.5	0.0	0.0	350	05-Sep
PX03	84	250	25.40	31.6	16.0	0.0	0.00	95.0	10.3	0.0	0.0	350	06-Sep
PX03	84	251	24.10	28.9	16.0	0.0	0.00	86.4	13.3	0.0	0.0	350	07-Sep
PX03	84	252	23.90	29.8	20.2	0.0	0.00	86.4	18.1	0.0	0.0	350	08-Sep
PX03	84	253	22.00	30.0	19.6	0.0	0.00	112.3	18.8	0.0	0.0	350	09-Sep
PX03	84	254	21.50	32.4	20.1	46.0	0.00	86.4	22.2	0.0	0.0	350	10-Sep
PX03	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX03	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	350	12-Sep
PX03	84	257	22.10	31.1	19.4	0.0	0.00	77.8	18.7	0.0	0.0	350	13-Sep
PX03	84	258	21.80	32.1	20.4	0.0	0.00	69.1	18.3	0.0	0.0	350	14-Sep
PX03	84	259	23.10	33.6	22.0	1.0	0.00	155.5	14.7	0.0	0.0	350	15-Sep
PX03	84	260	23.10	32.6	20.6	0.0	0.00	95.0	14.6	0.0	0.0	350	16-Sep
PX03	84	261	19.30	33.2	21.2	0.0	0.00	77.8	14.2	0.0	0.0	350	17-Sep
PX03	84	262	22.20	34.5	20.9	0.0	0.00	121.0	13.3	0.0	0.0	350	18-Sep
PX03	84	263	21.70	33.4	19.8	0.0	0.00	95.0	13.6	0.0	0.0	350	19-Sep
PX03	84	264	21.50	33.3	19.4	0.0	0.00	112.3	12.4	0.0	0.0	350	20-Sep
PX03	84	265	18.80	32.7	19.8	2.0	0.00	121.0	14.4	0.0	0.0	350	21-Sep
PX03	84	266	20.90	32.0	18.7	0.0	0.00	138.2	15.0	0.0	0.0	350	22-Sep
PX03	84	267	19.60	32.6	19.9	0.0	0.00	121.0	14.3	0.0	0.0	350	23-Sep
PX03	84	268	3.70	32.0	18.8	0.0	0.00	86.4	13.7	0.0	0.0	350	24-Sep
PX03	84	269	3.90	24.5	18.2	8.0	0.00	69.1	17.9	0.0	0.0	350	25-Sep
PX03	84	270	20.10	20.2	16.5	20.0	0.00	17.3	16.9	0.0	0.0	350	26-Sep
PX03	84	271	20.60	27.4	15.6	0.0	0.00	17.3	17.2	0.0	0.0	350	27-Sep
PX03	84	272	20.00	28.9	16.8	0.0	0.00	25.9	15.7	0.0	0.0	350	28-Sep
PX03	84	273	14.20	30.1	15.8	0.0	0.00	51.8	15.6	0.0	0.0	350	29-Sep
PX03	84	274	17.60	28.4	16.5	0.0	0.00	146.9	13.9	0.0	0.0	350	30-Sep
PX03	84	275	18.60	29.6	17.8	0.0	0.00	86.4	12.6	0.0	0.0	350	01-Oct
PX03	84	276	18.60	27.9	15.1	0.0	0.00	86.4	12.4	0.0	0.0	350	02-Oct
PX03	84	277	18.70	27.9	15.1	5.0	0.00	77.8	12.4	0.0	0.0	350	03-Oct
PX03	84	278	18.90	25.2	11.5	0.0	0.00	69.1	12.9	0.0	0.0	350	04-Oct
PX03	84	279	19.00	26.7	11.9	0.0	0.00	69.1	11.3	0.0	0.0	350	05-Oct
PX03	84	280	19.00	28.6	12.4	0.0	0.00	60.5	10.5	0.0	0.0	350	06-Oct
PX03	84	281	19.10	31.1	13.2	0.0	0.00	51.8	9.9	0.0	0.0	350	07-Oct
PX03	84	282	18.70	31.8	13.5	0.0	0.00	51.8	9.0	0.0	0.0	350	08-Oct
PX03	84	283	18.20	31.8	13.6	0.0	0.00	60.5	9.2	0.0	0.0	350	09-Oct
PX03	84	284	17.70	30.5	13.9	0.0	0.00	86.4	9.9	0.0	0.0	350	10-Oct
PX03	84	285	14.30	30.6	16.0	0.0	0.00	60.5	14.0	0.0	0.0	350	11-Oct
PX03	84	286	17.60	29.2	16.7	0.0	0.00	60.5	13.6	0.0	0.0	350	12-Oct
PX03	84	287	16.60	29.0	13.4	0.0	0.00	112.3	9.9	0.0	0.0	350	13-Oct
PX03	84	288	17.80	29.2	12.8	0.0	0.00	69.1	8.2	0.0	0.0	350	14-Oct
PX03	84	289	14.80	26.8	12.5	0.0	0.00	164.2	5.8	0.0	0.0	350	15-Oct
PX03	84	290	17.20	23.0	7.8	0.0	0.00	103.7	0.6	0.0	0.0	350	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX14	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX14	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX14	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX14	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX14	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX14	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX14	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX14	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX14	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX14	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX14	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX14	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX14	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX14	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX14	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX14	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX14	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX14	84 114	30.04	33.9	15.2	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX14	84 115	30.34	33.5	14.2	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX14	84 116	18.07	29.7	13.7	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX14	84 117	13.86	27.4	10.5	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX14	84 118	9.55	27.4	8.5	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX14	84 119	1.43	25.6	11.1	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX14	84 120	28.70	28.7	4.8	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX14	84 121	19.17	30.2	9.0	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX14	84 122	22.03	31.2	11.1	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX14	84 123	28.45	31.7	11.6	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX14	84 124	29.76	33.5	15.7	0.0	0.00	175.0	10.4	0.0	0.0	350	03-May
PX14	84 125	30.46	34.0	17.3	0.0	0.00	170.8	12.3	0.0	0.0	350	04-May
PX14	84 126	29.90	33.5	17.8	0.0	0.00	152.7	15.1	0.0	0.0	350	05-May
PX14	84 127	30.20	33.5	16.8	0.0	0.00	107.9	13.3	0.0	0.0	350	06-May
PX14	84 128	30.00	34.3	17.8	0.0	0.00	64.5	13.0	0.0	0.0	350	07-May
PX14	84 129	31.00	35.0	16.2	0.0	0.00	144.4	12.7	0.0	0.0	350	08-May
PX14	84 130	30.25	35.8	18.3	0.0	0.00	144.3	12.7	0.0	0.0	350	09-May
PX14	84 131	30.25	36.0	17.8	0.0	0.00	180.5	11.9	0.0	0.0	350	10-May
PX14	84 132	30.50	35.5	18.3	0.0	0.00	114.7	12.3	0.0	0.0	350	11-May
PX14	84 133	17.50	34.8	19.9	0.0	0.00	136.6	12.2	0.0	0.0	350	12-May
PX14	84 134	29.50	35.8	19.9	0.0	0.00	166.8	11.2	0.0	0.0	350	13-May
PX14	84 135	27.60	35.5	22.0	0.0	0.00	233.8	10.3	0.0	0.0	350	14-May
PX14	84 136	24.00	34.3	18.3	0.0	0.00	185.0	12.0	0.0	0.0	350	15-May
PX14	84 137	30.70	34.0	16.2	0.0	0.00	187.2	13.1	0.0	0.0	350	16-May
PX14	84 138	30.25	34.3	18.8	0.0	0.00	134.9	13.0	0.0	0.0	350	17-May
PX14	84 139	30.40	34.8	18.8	0.0	0.00	122.5	12.6	0.0	0.0	350	18-May
PX14	84 140	31.00	35.3	18.8	0.0	0.00	110.5	14.4	0.0	0.0	350	19-May
PX14	84 141	30.70	35.5	19.4	0.0	0.00	147.3	14.9	0.0	0.0	350	20-May
PX14	84 142	30.60	35.8	19.9	0.0	0.00	144.7	8.1	0.0	0.0	350	21-May

	IYR		SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00
INSTW		JUL		XTMAX		XRAIN		WIND		STMAX		CO2	
PX14	84	143	31.20	36.0	19.9	0.0	0.00	123.0	5.9	0.0	0.0	350	22-May
PX14	84	144	31.00	37.0	18.8	0.0	0.00	133.1	2.1	0.0	0.0	350	23-May
PX14	84	145	31.40	36.8	19.9	0.0	0.00	146.1	-2.2	0.0	0.0	350	24-May
PX14	84	146	31.60	36.8	19.9	0.0	0.00	140.2	5.3	0.0	0.0	350	25-May
PX14	84	147	31.20	37.0	19.4	0.0	0.00	149.4	5.8	0.0	0.0	350	26-May
PX14	84	148	31.60	37.3	20.4	0.0	0.00	149.0	4.8	0.0	0.0	350	27-May
PX14	84	149	31.80	38.3	20.4	0.0	0.00	152.7	4.3	0.0	0.0	350	28-May
PX14	84	150	27.40	37.5	24.0	0.0	0.00	224.6	5.8	0.0	0.0	350	29-May
PX14	84	151	22.30	37.0	24.4	0.0	0.00	181.4	8.8	0.0	0.0	350	30-May
PX14	84	152	29.20	36.0	20.1	0.0	0.00	112.3	12.5	0.0	0.0	350	31-May
PX14	84	153	30.70	36.9	22.1	0.0	0.00	164.2	7.8	0.0	0.0	350	01-Jun
PX14	84	154	30.60	35.8	20.4	0.0	0.00	181.4	5.9	0.0	0.0	350	02-Jun
PX14	84	155	31.40	37.0	22.1	0.0	0.00	190.1	0.2	0.0	0.0	350	03-Jun
PX14	84	156	26.70	35.0	18.9	0.0	0.00	181.4	6.5	0.0	0.0	350	04-Jun
PX14	84	157	25.30	32.7	18.5	0.0	0.00	138.2	6.8	0.0	0.0	350	05-Jun
PX14	84	158	29.40	33.8	18.4	0.0	0.00	181.4	6.1	0.0	0.0	350	06-Jun
PX14	84	159	31.40	33.2	19.6	0.0	0.00	155.5	5.0	0.0	0.0	350	07-Jun
PX14	84	160	30.80	35.1	17.8	0.0	0.00	129.6	3.4	0.0	0.0	350	08-Jun
PX14	84	161	30.90	37.0	17.1	0.0	0.00	65.0	0.2	0.0	0.0	350	09-Jun
PX14	84	162	30.80	39.5	19.9	0.0	0.00	198.7	-0.9	0.0	0.0	350	10-Jun
PX14	84	163	30.90	37.9	18.5	0.0	0.00	190.1	-1.2	0.0	0.0	350	11-Jun
PX14	84	164	31.60	38.6	17.4	0.0	0.00	190.1	-1.2	0.0	0.0	350	12-Jun
PX14	84	165	31.80	33.9	18.3	0.0	0.00	155.5	3.9	0.0	0.0	350	13-Jun
PX14	84	166	31.30	33.4	17.3	0.0	0.00	164.2	3.4	0.0	0.0	350	14-Jun
PX14	84	167	32.00	34.9	17.6	0.0	0.00	112.3	0.9	0.0	0.0	350	15-Jun
PX14	84	168	31.70	34.4	18.0	0.0	0.00	112.3	-2.5	0.0	0.0	350	16-Jun
PX14	84	169	31.80	35.9	16.7	0.0	0.00	65.0	-3.0	0.0	0.0	350	17-Jun
PX14	84	170	30.90	36.7	18.4	0.0	0.00	112.3	-0.9	0.0	0.0	350	18-Jun
PX14	84	171	30.60	37.5	21.6	0.0	0.00	112.3	1.7	0.0	0.0	350	19-Jun
PX14	84	172	31.90	36.3	19.9	0.0	0.00	138.2	2.3	0.0	0.0	350	20-Jun
PX14	84	173	31.70	37.9	18.0	0.0	0.00	164.2	-0.5	0.0	0.0	350	21-Jun
PX14	84	174	31.00	37.6	21.0	0.0	0.00	112.3	5.6	0.0	0.0	350	22-Jun
PX14	84	175	29.60	38.5	20.8	0.0	0.00	103.7	4.6	0.0	0.0	350	23-Jun
PX14	84	176	23.20	38.1	23.2	0.0	0.00	103.7	10.3	0.0	0.0	350	24-Jun
PX14	84	177	24.00	31.3	20.8	4.0	0.00	146.9	17.9	0.0	0.0	350	25-Jun
PX14	84	178	29.70	37.4	25.0	0.0	0.00	103.7	17.5	0.0	0.0	350	26-Jun
PX14	84	179	23.70	33.1	26.6	0.0	0.00	65.0	17.3	0.0	0.0	350	27-Jun
PX14	84	180	29.80	32.9	22.3	0.0	0.00	164.2	18.7	0.0	0.0	350	28-Jun
PX14	84	181	29.40	32.3	22.3	3.0	0.00	164.2	18.8	0.0	0.0	350	29-Jun
PX14	84	182	18.30	31.0	23.1	1.0	0.00	103.7	18.1	0.0	0.0	350	30-Jun
PX14	84	183	25.30	33.1	21.1	0.0	0.00	129.6	17.1	0.0	0.0	350	01-Jul
PX14	84	184	22.80	32.5	21.4	0.0	0.00	129.6	17.8	0.0	0.0	350	02-Jul
PX14	84	185	20.30	34.5	24.4	0.0	0.00	129.6	16.3	0.0	0.0	350	03-Jul
PX14	84	186	30.80	35.8	26.1	0.0	0.00	138.2	16.1	0.0	0.0	350	04-Jul
PX14	84	187	29.90	35.9	26.5	0.0	0.00	103.7	15.8	0.0	0.0	350	05-Jul
PX14	84	188	28.40	36.1	26.2	0.0	0.00	138.2	15.9	0.0	0.0	350	06-Jul
PX14	84	189	29.70	34.9	23.9	0.0	0.00	146.9	16.0	0.0	0.0	350	07-Jul
PX14	84	190	28.50	34.0	25.8	0.0	0.00	198.7	17.0	0.0	0.0	350	08-Jul
PX14	84	191	29.90	36.0	24.3	0.0	0.00	138.2	17.1	0.0	0.0	350	09-Jul
PX14	84	192	29.30	38.3	25.9	0.0	0.00	155.5	15.6	0.0	0.0	350	10-Jul
PX14	84	193	24.80	31.5	25.3	0.0	0.00	129.6	17.2	0.0	0.0	350	11-Jul
PX14	84	194	23.80	31.1	22.1	0.0	0.00	129.6	18.7	0.0	0.0	350	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	84	195	22.50	30.9	21.5	5.0	0.00	129.6	19.7	0.0	0.0	350	13-Jul
PX14	84	196	28.50	31.2	22.6	0.0	0.00	146.9	20.0	0.0	0.0	350	14-Jul
PX14	84	197	29.60	31.5	23.7	0.0	0.00	181.4	19.7	0.0	0.0	350	15-Jul
PX14	84	198	28.80	32.9	24.1	0.0	0.00	190.1	18.9	0.0	0.0	350	16-Jul
PX14	84	199	24.60	31.9	22.5	1.0	0.00	146.9	19.4	0.0	0.0	350	17-Jul
PX14	84	200	21.50	29.9	20.6	9.0	0.00	129.6	20.5	0.0	0.0	350	18-Jul
PX14	84	201	18.90	31.3	22.0	0.0	0.00	121.0	19.7	0.0	0.0	350	19-Jul
PX14	84	202	23.10	31.1	20.0	3.0	0.00	138.2	19.4	0.0	0.0	350	20-Jul
PX14	84	203	16.50	26.6	18.9	34.0	0.00	65.0	19.5	0.0	0.0	350	21-Jul
PX14	84	204	16.60	27.3	21.4	0.0	0.00	103.7	20.4	0.0	0.0	350	22-Jul
PX14	84	205	29.60	30.3	20.6	0.0	0.00	86.4	20.3	0.0	0.0	350	23-Jul
PX14	84	206	25.50	31.8	23.3	0.0	0.00	69.1	19.2	0.0	0.0	350	24-Jul
PX14	84	207	23.60	31.7	24.5	0.0	0.00	95.0	18.2	0.0	0.0	350	25-Jul
PX14	84	208	26.90	30.4	21.2	0.0	0.00	112.3	17.1	0.0	0.0	350	26-Jul
PX14	84	209	18.00	28.3	19.8	0.0	0.00	112.3	19.0	0.0	0.0	350	27-Jul
PX14	84	210	26.50	28.7	19.1	100.0	0.00	65.0	19.6	0.0	0.0	350	28-Jul
PX14	84	211	25.80	29.3	20.8	0.0	0.00	77.8	20.2	0.0	0.0	350	29-Jul
PX14	84	212	26.90	30.4	22.1	0.0	0.00	69.1	19.5	0.0	0.0	350	30-Jul
PX14	84	213	23.70	31.4	23.5	0.0	0.00	86.4	19.8	0.0	0.0	350	31-Jul
PX14	84	214	26.90	31.5	22.5	0.0	0.00	95.0	18.1	0.0	0.0	350	01-Aug
PX14	84	215	24.50	30.8	21.5	0.0	0.00	60.5	18.0	0.0	0.0	350	02-Aug
PX14	84	216	27.60	32.6	21.8	0.0	0.00	77.8	17.1	0.0	0.0	350	03-Aug
PX14	84	217	27.60	34.2	22.6	0.0	0.00	121.0	17.4	0.0	0.0	350	04-Aug
PX14	84	218	26.80	33.6	23.1	0.0	0.00	103.7	18.0	0.0	0.0	350	05-Aug
PX14	84	219	27.70	35.5	23.6	0.0	0.00	112.3	16.0	0.0	0.0	350	06-Aug
PX14	84	220	26.60	35.9	23.3	0.0	0.00	112.3	14.9	0.0	0.0	350	07-Aug
PX14	84	221	27.10	33.4	22.6	0.0	0.00	129.6	17.8	0.0	0.0	350	08-Aug
PX14	84	222	21.50	29.7	21.1	5.0	0.00	138.2	19.7	0.0	0.0	350	09-Aug
PX14	84	223	24.70	29.4	21.1	0.0	0.00	95.0	20.1	0.0	0.0	350	10-Aug
PX14	84	224	12.40	29.7	23.3	0.0	0.00	121.0	20.2	0.0	0.0	350	11-Aug
PX14	84	225	26.30	32.5	22.1	0.0	0.00	86.4	19.4	0.0	0.0	350	12-Aug
PX14	84	226	26.60	31.5	24.1	0.0	0.00	138.2	20.2	0.0	0.0	350	13-Aug
PX14	84	227	20.30	30.7	20.2	2.0	0.00	112.3	20.0	0.0	0.0	350	14-Aug
PX14	84	228	23.80	32.2	23.1	0.0	0.00	86.4	20.7	0.0	0.0	350	15-Aug
PX14	84	229	23.60	33.4	24.0	0.0	0.00	112.3	19.5	0.0	0.0	350	16-Aug
PX14	84	230	22.00	33.7	22.6	0.0	0.00	112.3	19.0	0.0	0.0	350	17-Aug
PX14	84	231	21.30	32.1	21.1	0.0	0.00	95.0	17.7	0.0	0.0	350	18-Aug
PX14	84	232	21.50	30.8	22.3	0.0	0.00	112.3	18.7	0.0	0.0	350	19-Aug
PX14	84	233	22.30	32.5	21.2	0.0	0.00	95.0	18.0	0.0	0.0	350	20-Aug
PX14	84	234	25.50	34.9	21.5	0.0	0.00	86.4	16.2	0.0	0.0	350	21-Aug
PX14	84	235	19.50	35.3	22.3	0.0	0.00	121.0	15.0	0.0	0.0	350	22-Aug
PX14	84	236	14.30	28.3	22.6	2.0	0.00	86.4	17.5	0.0	0.0	350	23-Aug
PX14	84	237	24.70	30.6	19.4	0.0	0.00	112.3	17.4	0.0	0.0	350	24-Aug
PX14	84	238	23.10	30.6	19.4	0.0	0.00	86.4	17.6	0.0	0.0	350	25-Aug
PX14	84	239	25.30	31.7	22.1	0.0	0.00	69.1	16.9	0.0	0.0	350	26-Aug
PX14	84	240	22.30	32.6	20.3	0.0	0.00	51.8	16.6	0.0	0.0	350	27-Aug
PX14	84	241	24.80	32.8	23.6	0.0	0.00	0.0	17.5	0.0	0.0	350	28-Aug
PX14	84	242	25.30	34.8	22.4	0.0	0.00	0.0	16.1	0.0	0.0	350	29-Aug
PX14	84	243	25.00	35.7	22.5	0.0	0.00	17.3	14.4	0.0	0.0	350	30-Aug
PX14	84	244	21.30	34.6	25.4	0.0	0.00	51.8	15.4	0.0	0.0	350	31-Aug
PX14	84	245	24.10	33.6	19.1	20.0	0.00	60.5	18.1	0.0	0.0	350	01-Sep
PX14	84	246	24.10	30.0	19.3	0.0	0.00	17.3	19.7	0.0	0.0	350	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	84	247	24.50	33.8	22.2	0.0	0.00	77.8	19.4	0.0	0.0	350	03-Sep
PX14	84	248	24.80	35.2	22.9	0.0	0.00	138.2	13.7	0.0	0.0	350	04-Sep
PX14	84	249	26.10	34.7	18.7	0.0	0.00	138.2	5.8	0.0	0.0	350	05-Sep
PX14	84	250	25.40	31.0	17.0	0.0	0.00	95.0	10.3	0.0	0.0	350	06-Sep
PX14	84	251	24.10	28.7	16.1	0.0	0.00	86.4	12.7	0.0	0.0	350	07-Sep
PX14	84	252	23.90	30.1	20.4	0.0	0.00	86.4	17.7	0.0	0.0	350	08-Sep
PX14	84	253	22.00	30.5	20.3	0.0	0.00	112.3	18.1	0.0	0.0	350	09-Sep
PX14	84	254	21.50	30.2	20.1	46.0	0.00	86.4	23.0	0.0	0.0	350	10-Sep
PX14	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	350	11-Sep
PX14	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.3	0.0	0.0	350	12-Sep
PX14	84	257	22.10	31.3	19.6	0.0	0.00	77.8	17.8	0.0	0.0	350	13-Sep
PX14	84	258	21.80	31.5	21.0	0.0	0.00	69.1	17.5	0.0	0.0	350	14-Sep
PX14	84	259	23.10	33.7	21.9	1.0	0.00	155.5	13.4	0.0	0.0	350	15-Sep
PX14	84	260	23.10	32.5	21.1	0.0	0.00	95.0	13.7	0.0	0.0	350	16-Sep
PX14	84	261	19.30	33.1	21.9	0.0	0.00	77.8	13.5	0.0	0.0	350	17-Sep
PX14	84	262	22.20	34.4	21.1	0.0	0.00	121.0	12.4	0.0	0.0	350	18-Sep
PX14	84	263	21.70	32.8	20.1	0.0	0.00	95.0	13.0	0.0	0.0	350	19-Sep
PX14	84	264	21.50	32.6	20.4	0.0	0.00	112.3	11.6	0.0	0.0	350	20-Sep
PX14	84	265	18.80	32.0	20.8	2.0	0.00	121.0	13.7	0.0	0.0	350	21-Sep
PX14	84	266	20.90	30.7	19.3	0.0	0.00	138.2	14.4	0.0	0.0	350	22-Sep
PX14	84	267	19.60	30.6	20.7	0.0	0.00	121.0	13.7	0.0	0.0	350	23-Sep
PX14	84	268	3.70	30.3	19.2	0.0	0.00	86.4	13.0	0.0	0.0	350	24-Sep
PX14	84	269	3.90	24.9	18.6	8.0	0.00	69.1	17.9	0.0	0.0	350	25-Sep
PX14	84	270	20.10	20.0	16.7	20.0	0.00	17.3	16.9	0.0	0.0	350	26-Sep
PX14	84	271	20.60	26.5	15.2	0.0	0.00	17.3	17.0	0.0	0.0	350	27-Sep
PX14	84	272	20.00	27.8	17.2	0.0	0.00	25.9	15.2	0.0	0.0	350	28-Sep
PX14	84	273	14.20	28.7	16.5	0.0	0.00	51.8	15.2	0.0	0.0	350	29-Sep
PX14	84	274	17.60	27.1	17.1	0.0	0.00	146.9	13.5	0.0	0.0	350	30-Sep
PX14	84	275	18.60	28.0	18.1	0.0	0.00	86.4	12.3	0.0	0.0	350	01-Oct
PX14	84	276	18.60	26.1	15.8	0.0	0.00	86.4	12.2	0.0	0.0	350	02-Oct
PX14	84	277	18.70	26.1	15.8	5.0	0.00	77.8	12.2	0.0	0.0	350	03-Oct
PX14	84	278	18.90	23.7	11.9	0.0	0.00	69.1	12.6	0.0	0.0	350	04-Oct
PX14	84	279	19.00	26.7	11.9	0.0	0.00	69.1	11.5	0.0	0.0	350	05-Oct
PX14	84	280	19.00	26.9	12.6	0.0	0.00	60.5	10.5	0.0	0.0	350	06-Oct
PX14	84	281	19.10	29.8	13.5	0.0	0.00	51.8	10.1	0.0	0.0	350	07-Oct
PX14	84	282	18.70	29.6	13.9	0.0	0.00	51.8	9.0	0.0	0.0	350	08-Oct
PX14	84	283	18.20	29.4	14.5	0.0	0.00	60.5	9.2	0.0	0.0	350	09-Oct
PX14	84	284	17.70	28.3	14.6	0.0	0.00	86.4	9.9	0.0	0.0	350	10-Oct
PX14	84	285	14.30	28.0	16.4	0.0	0.00	60.5	14.0	0.0	0.0	350	11-Oct
PX14	84	286	17.60	27.2	16.8	0.0	0.00	60.5	13.7	0.0	0.0	350	12-Oct
PX14	84	287	16.60	27.0	13.6	0.0	0.00	112.3	9.9	0.0	0.0	350	13-Oct
PX14	84	288	17.80	27.5	13.3	0.0	0.00	69.1	8.0	0.0	0.0	350	14-Oct
PX14	84	289	14.80	25.0	13.2	0.0	0.00	164.2	5.6	0.0	0.0	350	15-Oct
PX14	84	290	17.20	20.9	8.3	0.0	0.00	103.7	-1.9	0.0	0.0	350	16-Oct

FILENAME: <u>PX050407.W84</u>   WEATHER DATA FOR CO2=500, IRRIGATION=DRY, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

<u>INSTW</u>	XLAT	XLONG	PARFAC		↓				CO2YR	WINDYR
PX05	33.40	112.00	2.30	0 1	1	0 1			350	0.0

	IYR		SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00
<u>INSTW</u>		JUL		XTMAX		XRAIN		WIND		STMAX		CO2	
PX05	84	97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX05	84	98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX05	84	99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX05	84	100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX05	84	101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX05	84	102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX05	84	103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX05	84	104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX05	84	105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX05	84	106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX05	84	107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX05	84	108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX05	84	109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX05	84	110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX05	84	111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX05	84	112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX05	84	113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX05	84	114	30.04	33.7	15.0	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX05	84	115	30.34	34.0	14.0	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX05	84	116	18.07	29.0	13.5	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX05	84	117	13.86	26.0	10.4	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX05	84	118	9.55	26.0	8.3	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX05	84	119	1.43	23.7	10.9	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX05	84	120	26.91	27.7	4.7	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX05	84	121	19.17	29.7	8.8	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX05	84	122	22.03	31.0	10.9	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX05	84	123	28.45	31.7	11.4	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX05	84	124	29.76	34.0	15.5	0.0	0.00	175.0	10.4	0.0	0.0	500	03-May
PX05	84	125	30.46	34.7	17.1	0.0	0.00	170.8	12.3	0.0	0.0	500	04-May
PX05	84	126	29.90	34.0	17.6	0.0	0.00	152.7	15.1	0.0	0.0	500	05-May
PX05	84	127	30.20	34.0	16.6	0.0	0.00	107.9	13.3	0.0	0.0	500	06-May
PX05	84	128	35.70	35.0	17.6	0.0	0.00	64.5	13.0	0.0	0.0	500	07-May
PX05	84	129	31.00	36.0	16.0	0.0	0.00	144.4	12.7	0.0	0.0	500	08-May
PX05	84	130	30.25	37.0	18.1	0.0	0.00	144.3	12.7	0.0	0.0	500	09-May
PX05	84	131	30.25	37.4	17.6	0.0	0.00	180.5	11.9	0.0	0.0	500	10-May
PX05	84	132	30.50	36.7	18.1	0.0	0.00	114.7	12.3	0.0	0.0	500	11-May
PX05	84	133	17.50	35.7	19.7	0.0	0.00	136.6	12.2	0.0	0.0	500	12-May
PX05	84	134	37.80	37.0	19.7	0.0	0.00	166.8	11.2	0.0	0.0	500	13-May
PX05	84	135	27.60	36.7	21.7	0.0	0.00	233.8	10.3	0.0	0.0	500	14-May
PX05	84	136	24.00	35.0	18.1	0.0	0.00	185.0	12.0	0.0	0.0	500	15-May
PX05	84	137	30.70	34.7	16.0	0.0	0.00	187.2	13.1	0.0	0.0	500	16-May
PX05	84	138	30.25	35.0	18.6	0.0	0.00	134.9	13.0	0.0	0.0	500	17-May
PX05	84	139	30.40	35.7	18.6	0.0	0.00	122.5	12.6	0.0	0.0	500	18-May
PX05	84	140	31.00	36.4	18.6	0.0	0.00	110.5	14.4	0.0	0.0	500	19-May
PX05	84	141	30.70	36.7	19.1	0.0	0.00	147.3	14.9	0.0	0.0	500	20-May
PX05	84	142	30.60	37.0	19.7	0.0	0.00	144.7	8.1	0.0	0.0	500	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	84	143	31.20	37.4	19.7	0.0	0.00	123.0	5.9	0.0	0.0	500	22-May
PX05	84	144	31.00	38.7	18.6	0.0	0.00	133.1	2.1	0.0	0.0	500	23-May
PX05	84	145	31.40	38.4	19.7	0.0	0.00	146.1	-2.2	0.0	0.0	500	24-May
PX05	84	146	31.60	38.4	19.7	0.0	0.00	140.2	5.3	0.0	0.0	500	25-May
PX05	84	147	31.20	38.7	19.1	0.0	0.00	149.4	5.8	0.0	0.0	500	26-May
PX05	84	148	31.60	39.0	20.2	0.0	0.00	149.0	4.8	0.0	0.0	500	27-May
PX05	84	149	31.80	40.4	20.2	0.0	0.00	152.7	4.3	0.0	0.0	500	28-May
PX05	84	150	27.40	39.4	23.8	0.0	0.00	224.6	6.4	0.0	0.0	500	29-May
PX05	84	151	22.30	38.5	24.4	0.0	0.00	181.4	16.8	0.0	0.0	500	30-May
PX05	84	152	29.20	35.8	20.3	0.0	0.00	112.3	16.4	0.0	0.0	500	31-May
PX05	84	153	30.70	36.1	21.9	0.0	0.00	164.2	8.0	0.0	0.0	500	01-Jun
PX05	84	154	30.60	37.0	20.2	0.0	0.00	181.4	4.6	0.0	0.0	500	02-Jun
PX05	84	155	31.40	36.6	22.0	0.0	0.00	190.1	5.0	0.0	0.0	500	03-Jun
PX05	84	156	26.70	34.9	18.4	0.0	0.00	181.4	5.8	0.0	0.0	500	04-Jun
PX05	84	157	25.30	32.5	18.0	0.0	0.00	138.2	6.1	0.0	0.0	500	05-Jun
PX05	84	158	29.40	33.6	17.9	0.0	0.00	181.4	5.3	0.0	0.0	500	06-Jun
PX05	84	159	31.40	32.9	19.4	0.0	0.00	155.5	4.3	0.0	0.0	500	07-Jun
PX05	84	160	30.80	34.6	17.5	0.0	0.00	129.6	2.9	0.0	0.0	500	08-Jun
PX05	84	161	30.90	36.2	16.5	0.0	0.00	65.0	-0.7	0.0	0.0	500	09-Jun
PX05	84	162	30.80	39.0	19.7	0.0	0.00	198.7	-1.7	0.0	0.0	500	10-Jun
PX05	84	163	30.90	37.1	18.0	0.0	0.00	190.1	-2.5	0.0	0.0	500	11-Jun
PX05	84	164	31.60	38.4	16.8	0.0	0.00	190.1	-2.5	0.0	0.0	500	12-Jun
PX05	84	165	31.80	39.2	17.8	0.0	0.00	155.5	-3.0	0.0	0.0	500	13-Jun
PX05	84	166	31.30	39.4	19.4	0.0	0.00	164.2	-4.7	0.0	0.0	500	14-Jun
PX05	84	167	32.00	39.4	18.8	0.0	0.00	112.3	-5.4	0.0	0.0	500	15-Jun
PX05	84	168	31.70	37.7	18.5	0.0	0.00	112.3	-9.0	0.0	0.0	500	16-Jun
PX05	84	169	31.80	39.1	16.9	0.0	0.00	65.0	-10.3	0.0	0.0	500	17-Jun
PX05	84	170	30.90	40.2	18.2	0.0	0.00	112.3	-5.7	0.0	0.0	500	18-Jun
PX05	84	171	30.60	41.1	21.9	0.0	0.00	112.3	-2.2	0.0	0.0	500	19-Jun
PX05	84	172	31.90	37.7	19.7	0.0	0.00	138.2	-0.5	0.0	0.0	500	20-Jun
PX05	84	173	31.70	38.3	17.8	0.0	0.00	164.2	0.6	0.0	0.0	500	21-Jun
PX05	84	174	31.00	34.9	19.5	0.0	0.00	112.3	5.4	0.0	0.0	500	22-Jun
PX05	84	175	29.60	36.3	19.5	0.0	0.00	103.7	5.1	0.0	0.0	500	23-Jun
PX05	84	176	23.20	37.0	22.2	0.0	0.00	103.7	9.9	0.0	0.0	500	24-Jun
PX05	84	177	24.00	33.7	18.8	4.0	0.00	146.9	17.1	0.0	0.0	500	25-Jun
PX05	84	178	29.70	36.3	24.6	0.0	0.00	103.7	17.1	0.0	0.0	500	26-Jun
PX05	84	179	23.70	37.8	26.0	0.0	0.00	65.0	14.8	0.0	0.0	500	27-Jun
PX05	84	180	29.80	38.7	22.5	0.0	0.00	164.2	16.0	0.0	0.0	500	28-Jun
PX05	84	181	29.40	36.9	23.0	3.0	0.00	164.2	17.1	0.0	0.0	500	29-Jun
PX05	84	182	18.30	34.6	24.0	1.0	0.00	103.7	16.5	0.0	0.0	500	30-Jun
PX05	84	183	25.30	36.7	20.4	0.0	0.00	129.6	15.4	0.0	0.0	500	01-Jul
PX05	84	184	22.80	36.4	22.3	0.0	0.00	129.6	16.2	0.0	0.0	500	02-Jul
PX05	84	185	20.30	38.1	24.8	0.0	0.00	129.6	14.5	0.0	0.0	500	03-Jul
PX05	84	186	30.80	39.8	26.3	0.0	0.00	138.2	14.1	0.0	0.0	500	04-Jul
PX05	84	187	29.90	39.9	26.5	0.0	0.00	103.7	13.0	0.0	0.0	500	05-Jul
PX05	84	188	28.40	40.8	26.9	0.0	0.00	138.2	13.6	0.0	0.0	500	06-Jul
PX05	84	189	29.70	38.3	23.8	0.0	0.00	146.9	14.3	0.0	0.0	500	07-Jul
PX05	84	190	28.50	35.9	25.9	0.0	0.00	198.7	15.7	0.0	0.0	500	08-Jul
PX05	84	191	29.90	38.7	24.3	0.0	0.00	138.2	15.6	0.0	0.0	500	09-Jul
PX05	84	192	29.30	40.6	26.0	0.0	0.00	155.5	14.1	0.0	0.0	500	10-Jul
PX05	84	193	24.80	33.0	25.5	0.0	0.00	129.6	15.8	0.0	0.0	500	11-Jul
PX05	84	194	23.80	33.6	22.0	0.0	0.00	129.6	17.7	0.0	0.0	500	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	84	195	22.50	33.0	21.8	5.0	0.00	129.6	18.9	0.0	0.0	500	13-Jul
PX05	84	196	28.50	35.1	22.4	0.0	0.00	146.9	19.7	0.0	0.0	500	14-Jul
PX05	84	197	29.60	32.9	23.5	0.0	0.00	181.4	19.2	0.0	0.0	500	15-Jul
PX05	84	198	28.80	35.1	23.7	0.0	0.00	190.1	18.1	0.0	0.0	500	16-Jul
PX05	84	199	24.60	34.1	22.7	1.0	0.00	146.9	18.4	0.0	0.0	500	17-Jul
PX05	84	200	21.50	31.1	21.5	9.0	0.00	129.6	19.7	0.0	0.0	500	18-Jul
PX05	84	201	18.90	33.3	22.2	0.0	0.00	121.0	18.0	0.0	0.0	500	19-Jul
PX05	84	202	23.10	32.8	20.4	3.0	0.00	138.2	18.4	0.0	0.0	500	20-Jul
PX05	84	203	16.50	28.3	18.6	34.0	0.00	65.0	19.2	0.0	0.0	500	21-Jul
PX05	84	204	16.60	28.7	21.8	0.0	0.00	103.7	19.8	0.0	0.0	500	22-Jul
PX05	84	205	29.60	34.5	20.9	0.0	0.00	86.4	19.5	0.0	0.0	500	23-Jul
PX05	84	206	25.50	35.6	23.9	0.0	0.00	69.1	17.9	0.0	0.0	500	24-Jul
PX05	84	207	23.60	39.0	25.2	0.0	0.00	95.0	16.3	0.0	0.0	500	25-Jul
PX05	84	208	26.90	37.0	21.9	0.0	0.00	112.3	20.4	0.0	0.0	500	26-Jul
PX05	84	209	18.00	34.3	20.5	0.0	0.00	112.3	17.7	0.0	0.0	500	27-Jul
PX05	84	210	26.50	31.8	22.1	100.0	0.00	65.0	18.7	0.0	0.0	500	28-Jul
PX05	84	211	25.80	30.8	21.3	0.0	0.00	77.8	19.5	0.0	0.0	500	29-Jul
PX05	84	212	26.90	32.7	22.6	0.0	0.00	69.1	18.0	0.0	0.0	500	30-Jul
PX05	84	213	23.70	33.5	24.1	0.0	0.00	86.4	18.4	0.0	0.0	500	31-Jul
PX05	84	214	26.90	34.8	22.8	0.0	0.00	95.0	15.0	0.0	0.0	500	01-Aug
PX05	84	215	24.50	33.7	22.0	0.0	0.00	60.5	14.4	0.0	0.0	500	02-Aug
PX05	84	216	27.60	36.4	22.4	0.0	0.00	77.8	14.0	0.0	0.0	500	03-Aug
PX05	84	217	27.60	38.4	23.3	0.0	0.00	121.0	13.6	0.0	0.0	500	04-Aug
PX05	84	218	26.80	36.7	23.3	0.0	0.00	103.7	15.0	0.0	0.0	500	05-Aug
PX05	84	219	27.70	38.7	23.9	0.0	0.00	112.3	13.8	0.0	0.0	500	06-Aug
PX05	84	220	26.60	38.6	23.7	0.0	0.00	112.3	13.1	0.0	0.0	500	07-Aug
PX05	84	221	27.10	33.5	20.3	0.0	0.00	129.6	16.6	0.0	0.0	500	08-Aug
PX05	84	222	21.50	31.2	20.9	5.0	0.00	138.2	18.8	0.0	0.0	500	09-Aug
PX05	84	223	24.70	30.7	21.2	0.0	0.00	95.0	19.4	0.0	0.0	500	10-Aug
PX05	84	224	12.40	30.7	22.9	0.0	0.00	121.0	19.7	0.0	0.0	500	11-Aug
PX05	84	225	26.30	33.6	22.2	0.0	0.00	86.4	18.7	0.0	0.0	500	12-Aug
PX05	84	226	26.60	33.1	23.9	0.0	0.00	138.2	19.4	0.0	0.0	500	13-Aug
PX05	84	227	20.30	32.0	20.0	2.0	0.00	112.3	18.9	0.0	0.0	500	14-Aug
PX05	84	228	23.80	33.4	23.0	0.0	0.00	86.4	19.3	0.0	0.0	500	15-Aug
PX05	84	229	23.60	34.2	23.9	0.0	0.00	112.3	18.4	0.0	0.0	500	16-Aug
PX05	84	230	22.00	34.5	22.3	0.0	0.00	112.3	18.3	0.0	0.0	500	17-Aug
PX05	84	231	21.30	32.8	20.8	0.0	0.00	95.0	17.0	0.0	0.0	500	18-Aug
PX05	84	232	21.50	31.3	22.2	0.0	0.00	112.3	18.1	0.0	0.0	500	19-Aug
PX05	84	233	22.30	33.1	20.9	0.0	0.00	95.0	17.3	0.0	0.0	500	20-Aug
PX05	84	234	25.50	35.0	21.4	0.0	0.00	86.4	15.1	0.0	0.0	500	21-Aug
PX05	84	235	19.50	35.6	22.5	0.0	0.00	121.0	14.2	0.0	0.0	500	22-Aug
PX05	84	236	14.30	31.2	23.1	2.0	0.00	86.4	15.4	0.0	0.0	500	23-Aug
PX05	84	237	24.70	36.3	20.2	0.0	0.00	112.3	14.7	0.0	0.0	500	24-Aug
PX05	84	238	23.10	36.2	20.8	0.0	0.00	86.4	15.0	0.0	0.0	500	25-Aug
PX05	84	239	25.30	37.7	23.3	0.0	0.00	69.1	14.4	0.0	0.0	500	26-Aug
PX05	84	240	22.30	38.1	21.4	0.0	0.00	51.8	14.3	0.0	0.0	500	27-Aug
PX05	84	241	24.80	38.3	24.4	0.0	0.00	0.0	15.4	0.0	0.0	500	28-Aug
PX05	84	242	25.30	39.9	22.3	0.0	0.00	0.0	13.6	0.0	0.0	500	29-Aug
PX05	84	243	25.00	37.2	23.2	0.0	0.00	17.3	14.1	0.0	0.0	500	30-Aug
PX05	84	244	21.30	34.9	23.6	0.0	0.00	51.8	15.9	0.0	0.0	500	31-Aug
PX05	84	245	24.10	34.4	18.4	20.0	0.00	60.5	18.2	0.0	0.0	500	01-Sep
PX05	84	246	24.10	31.8	18.6	0.0	0.00	17.3	20.3	0.0	0.0	500	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	84	247	24.50	36.0	21.4	0.0	0.00	77.8	19.0	0.0	0.0	500	03-Sep
PX05	84	248	24.80	36.8	22.4	0.0	0.00	138.2	13.2	0.0	0.0	500	04-Sep
PX05	84	249	26.10	36.4	18.0	0.0	0.00	138.2	5.0	0.0	0.0	500	05-Sep
PX05	84	250	25.40	32.1	16.0	0.0	0.00	95.0	9.8	0.0	0.0	500	06-Sep
PX05	84	251	24.10	34.4	17.2	0.0	0.00	86.4	11.1	0.0	0.0	500	07-Sep
PX05	84	252	23.90	34.4	20.9	0.0	0.00	86.4	17.7	0.0	0.0	500	08-Sep
PX05	84	253	22.00	34.0	20.9	0.0	0.00	112.3	18.4	0.0	0.0	500	09-Sep
PX05	84	254	21.50	33.2	20.1	46.0	0.00	86.4	21.3	0.0	0.0	500	10-Sep
PX05	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	500	11-Sep
PX05	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	500	12-Sep
PX05	84	257	22.10	33.1	19.7	0.0	0.00	77.8	17.3	0.0	0.0	500	13-Sep
PX05	84	258	21.80	34.6	21.0	0.0	0.00	69.1	16.6	0.0	0.0	500	14-Sep
PX05	84	259	23.10	36.4	22.2	1.0	0.00	155.5	12.2	0.0	0.0	500	15-Sep
PX05	84	260	23.10	35.6	21.6	0.0	0.00	95.0	12.2	0.0	0.0	500	16-Sep
PX05	84	261	19.30	36.5	21.9	0.0	0.00	77.8	12.3	0.0	0.0	500	17-Sep
PX05	84	262	22.20	37.9	21.1	0.0	0.00	121.0	10.3	0.0	0.0	500	18-Sep
PX05	84	263	21.70	37.1	20.4	0.0	0.00	95.0	10.7	0.0	0.0	500	19-Sep
PX05	84	264	21.50	36.4	20.5	0.0	0.00	112.3	9.5	0.0	0.0	500	20-Sep
PX05	84	265	18.80	35.4	20.8	2.0	0.00	121.0	12.4	0.0	0.0	500	21-Sep
PX05	84	266	20.90	34.2	19.4	0.0	0.00	138.2	13.1	0.0	0.0	500	22-Sep
PX05	84	267	19.60	34.2	20.7	0.0	0.00	121.0	12.4	0.0	0.0	500	23-Sep
PX05	84	268	3.70	34.0	19.1	0.0	0.00	86.4	11.9	0.0	0.0	500	24-Sep
PX05	84	269	3.90	24.9	18.5	8.0	0.00	69.1	17.6	0.0	0.0	500	25-Sep
PX05	84	270	20.10	20.7	16.2	20.0	0.00	17.3	17.1	0.0	0.0	500	26-Sep
PX05	84	271	20.60	31.5	14.6	0.0	0.00	17.3	18.4	0.0	0.0	500	27-Sep
PX05	84	272	20.00	33.0	16.3	0.0	0.00	25.9	17.0	0.0	0.0	500	28-Sep
PX05	84	273	14.20	34.7	15.2	0.0	0.00	51.8	16.9	0.0	0.0	500	29-Sep
PX05	84	274	17.60	33.3	15.9	0.0	0.00	146.9	15.7	0.0	0.0	500	30-Sep
PX05	84	275	18.60	34.5	16.7	0.0	0.00	86.4	12.2	0.0	0.0	500	01-Oct
PX05	84	276	18.60	33.4	17.2	0.0	0.00	86.4	11.4	0.0	0.0	500	02-Oct
PX05	84	277	18.70	33.4	17.2	5.0	0.00	77.8	11.4	0.0	0.0	500	03-Oct
PX05	84	278	18.90	30.4	13.5	0.0	0.00	69.1	12.2	0.0	0.0	500	04-Oct
PX05	84	279	19.00	32.9	16.4	0.0	0.00	69.1	10.7	0.0	0.0	500	05-Oct
PX05	84	280	19.00	33.9	14.6	0.0	0.00	60.5	9.5	0.0	0.0	500	06-Oct
PX05	84	281	19.10	32.5	15.4	0.0	0.00	51.8	8.4	0.0	0.0	500	07-Oct
PX05	84	282	18.70	32.9	14.1	0.0	0.00	51.8	7.0	0.0	0.0	500	08-Oct
PX05	84	283	18.20	32.6	14.6	0.0	0.00	60.5	7.0	0.0	0.0	500	09-Oct
PX05	84	284	17.70	31.3	14.8	0.0	0.00	86.4	8.1	0.0	0.0	500	10-Oct
PX05	84	285	14.30	30.8	16.4	0.0	0.00	60.5	13.1	0.0	0.0	500	11-Oct
PX05	84	286	17.60	30.0	17.1	0.0	0.00	60.5	13.5	0.0	0.0	500	12-Oct
PX05	84	287	16.60	29.6	13.8	0.0	0.00	112.3	9.2	0.0	0.0	500	13-Oct
PX05	84	288	17.80	29.8	13.0	0.0	0.00	69.1	6.8	0.0	0.0	500	14-Oct
PX05	84	289	14.80	27.2	12.8	0.0	0.00	164.2	12.0	0.0	0.0	500	15-Oct
PX05	84	290	17.20	23.2	9.0	0.0	0.00	103.7	-0.0	0.0	0.0	500	16-Oct

```
                         options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG PARFAC        ↓       CO2YR WINDYR
PX10  33.40 112.00  2.30  0 1 1 0 1   500    0.0
```

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX10	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX10	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX10	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX10	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX10	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX10	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX10	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX10	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX10	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX10	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX10	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX10	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX10	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX10	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX10	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX10	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX10	84 114	30.04	35.6	15.8	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX10	84 115	30.34	35.9	14.7	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX10	84 116	18.07	31.2	14.2	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX10	84 117	13.86	28.4	11.0	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX10	84 118	9.55	28.4	8.9	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX10	84 119	1.43	26.1	11.5	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX10	84 120	26.91	29.9	5.2	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX10	84 121	19.17	31.8	9.4	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX10	84 122	22.03	33.1	11.5	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX10	84 123	28.45	33.7	12.1	0.0	0.00	141.5	8.6	0.0	0.0	500	02-May
PX10	84 124	29.76	35.9	16.3	0.0	0.00	175.0	10.4	0.0	0.0	500	03-May
PX10	84 125	30.46	36.6	17.9	0.0	0.00	170.8	12.3	0.0	0.0	500	04-May
PX10	84 126	29.90	35.9	18.4	0.0	0.00	152.7	15.1	0.0	0.0	500	05-May
PX10	84 127	30.20	35.9	17.3	0.0	0.00	107.9	13.3	0.0	0.0	500	06-May
PX10	84 128	35.70	36.9	18.4	0.0	0.00	64.5	13.0	0.0	0.0	500	07-May
PX10	84 129	31.00	37.8	16.8	0.0	0.00	144.4	12.7	0.0	0.0	500	08-May
PX10	84 130	30.25	38.8	18.9	0.0	0.00	144.3	12.7	0.0	0.0	500	09-May
PX10	84 131	30.25	39.1	18.4	0.0	0.00	180.5	11.9	0.0	0.0	500	10-May
PX10	84 132	30.50	38.5	18.9	0.0	0.00	114.7	12.3	0.0	0.0	500	11-May
PX10	84 133	17.50	37.5	20.5	0.0	0.00	136.6	12.2	0.0	0.0	500	12-May
PX10	84 134	37.80	38.8	20.5	0.0	0.00	166.8	11.2	0.0	0.0	500	13-May
PX10	84 135	27.60	38.5	22.6	0.0	0.00	233.8	10.3	0.0	0.0	500	14-May
PX10	84 136	24.00	36.9	18.9	0.0	0.00	185.0	12.0	0.0	0.0	500	15-May
PX10	84 137	30.70	36.6	16.8	0.0	0.00	187.2	13.1	0.0	0.0	500	16-May
PX10	84 138	30.25	36.9	19.5	0.0	0.00	134.9	13.0	0.0	0.0	500	17-May
PX10	84 139	30.40	37.5	19.5	0.0	0.00	122.5	12.6	0.0	0.0	500	18-May
PX10	84 140	31.00	38.1	19.5	0.0	0.00	110.5	14.4	0.0	0.0	500	19-May
PX10	84 141	30.70	38.5	20.0	0.0	0.00	147.3	14.9	0.0	0.0	500	20-May
PX10	84 142	30.60	38.8	20.5	0.0	0.00	144.7	8.1	0.0	0.0	500	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	84	143	31.20	39.1	20.5	0.0	0.00	123.0	5.9	0.0	0.0	500	22-May
PX10	84	144	31.00	40.3	19.5	0.0	0.00	133.1	2.1	0.0	0.0	500	23-May
PX10	84	145	31.40	40.0	20.5	0.0	0.00	146.1	-2.2	0.0	0.0	500	24-May
PX10	84	146	31.60	40.0	20.5	0.0	0.00	140.2	5.3	0.0	0.0	500	25-May
PX10	84	147	31.20	40.3	20.0	0.0	0.00	149.4	5.8	0.0	0.0	500	26-May
PX10	84	148	31.60	40.7	21.0	0.0	0.00	149.0	4.8	0.0	0.0	500	27-May
PX10	84	149	31.80	41.9	21.0	0.0	0.00	152.7	4.3	0.0	0.0	500	28-May
PX10	84	150	27.40	41.0	24.7	0.0	0.00	224.6	8.0	0.0	0.0	500	29-May
PX10	84	151	22.30	39.6	25.3	0.0	0.00	181.4	11.1	0.0	0.0	500	30-May
PX10	84	152	29.20	36.3	20.9	0.0	0.00	112.3	15.0	0.0	0.0	500	31-May
PX10	84	153	30.70	38.0	22.3	0.0	0.00	164.2	10.7	0.0	0.0	500	01-Jun
PX10	84	154	30.60	38.8	21.0	0.0	0.00	181.4	9.0	0.0	0.0	500	02-Jun
PX10	84	155	31.40	37.6	21.7	0.0	0.00	190.1	3.6	0.0	0.0	500	03-Jun
PX10	84	156	26.70	37.1	19.1	0.0	0.00	181.4	8.9	0.0	0.0	500	04-Jun
PX10	84	157	25.30	35.1	19.0	0.0	0.00	138.2	8.6	0.0	0.0	500	05-Jun
PX10	84	158	29.40	36.2	19.0	0.0	0.00	181.4	7.4	0.0	0.0	500	06-Jun
PX10	84	159	31.40	35.5	20.4	0.0	0.00	155.5	6.4	0.0	0.0	500	07-Jun
PX10	84	160	30.80	35.9	18.4	0.0	0.00	129.6	7.1	0.0	0.0	500	08-Jun
PX10	84	161	30.90	37.7	17.1	0.0	0.00	65.0	5.6	0.0	0.0	500	09-Jun
PX10	84	162	30.80	40.2	20.2	0.0	0.00	198.7	5.3	0.0	0.0	500	10-Jun
PX10	84	163	30.90	39.4	18.3	0.0	0.00	190.1	3.8	0.0	0.0	500	11-Jun
PX10	84	164	31.60	40.1	17.3	0.0	0.00	190.1	3.8	0.0	0.0	500	12-Jun
PX10	84	165	31.80	41.0	18.2	0.0	0.00	155.5	2.7	0.0	0.0	500	13-Jun
PX10	84	166	31.30	40.8	20.0	0.0	0.00	164.2	2.1	0.0	0.0	500	14-Jun
PX10	84	167	32.00	39.8	19.2	0.0	0.00	112.3	1.7	0.0	0.0	500	15-Jun
PX10	84	168	31.70	38.0	18.9	0.0	0.00	112.3	-0.2	0.0	0.0	500	16-Jun
PX10	84	169	31.80	39.8	17.5	0.0	0.00	65.0	-0.9	0.0	0.0	500	17-Jun
PX10	84	170	30.90	41.0	18.3	0.0	0.00	112.3	2.9	0.0	0.0	500	18-Jun
PX10	84	171	30.60	42.8	22.5	0.0	0.00	112.3	5.0	0.0	0.0	500	19-Jun
PX10	84	172	31.90	39.4	20.5	0.0	0.00	138.2	1.7	0.0	0.0	500	20-Jun
PX10	84	173	31.70	38.7	18.6	0.0	0.00	164.2	7.0	0.0	0.0	500	21-Jun
PX10	84	174	31.00	37.0	19.8	0.0	0.00	112.3	9.9	0.0	0.0	500	22-Jun
PX10	84	175	29.60	39.0	20.2	0.0	0.00	103.7	8.6	0.0	0.0	500	23-Jun
PX10	84	176	23.20	39.9	22.7	0.0	0.00	103.7	12.6	0.0	0.0	500	24-Jun
PX10	84	177	24.00	36.8	23.5	4.0	0.00	146.9	18.8	0.0	0.0	500	25-Jun
PX10	84	178	29.70	39.4	25.9	0.0	0.00	103.7	18.1	0.0	0.0	500	26-Jun
PX10	84	179	23.70	40.5	27.4	0.0	0.00	65.0	16.6	0.0	0.0	500	27-Jun
PX10	84	180	29.80	40.4	24.4	0.0	0.00	164.2	17.3	0.0	0.0	500	28-Jun
PX10	84	181	29.40	38.6	24.2	3.0	0.00	164.2	18.0	0.0	0.0	500	29-Jun
PX10	84	182	18.30	35.3	25.8	1.0	0.00	103.7	17.4	0.0	0.0	500	30-Jun
PX10	84	183	25.30	38.1	22.0	0.0	0.00	129.6	16.7	0.0	0.0	500	01-Jul
PX10	84	184	22.80	36.9	23.6	0.0	0.00	129.6	18.0	0.0	0.0	500	02-Jul
PX10	84	185	20.30	39.0	24.9	0.0	0.00	129.6	16.1	0.0	0.0	500	03-Jul
PX10	84	186	30.80	40.7	28.1	0.0	0.00	138.2	15.6	0.0	0.0	500	04-Jul
PX10	84	187	29.90	40.6	27.2	0.0	0.00	103.7	15.1	0.0	0.0	500	05-Jul
PX10	84	188	28.40	41.6	27.2	0.0	0.00	138.2	15.2	0.0	0.0	500	06-Jul
PX10	84	189	29.70	39.8	24.8	0.0	0.00	146.9	15.6	0.0	0.0	500	07-Jul
PX10	84	190	28.50	37.5	26.9	0.0	0.00	198.7	16.9	0.0	0.0	500	08-Jul
PX10	84	191	29.90	37.7	25.2	0.0	0.00	138.2	17.1	0.0	0.0	500	09-Jul
PX10	84	192	29.30	40.9	23.3	0.0	0.00	155.5	16.4	0.0	0.0	500	10-Jul
PX10	84	193	24.80	34.6	26.0	0.0	0.00	129.6	17.0	0.0	0.0	500	11-Jul
PX10	84	194	23.80	35.4	23.3	0.0	0.00	129.6	18.4	0.0	0.0	500	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	84	195	22.50	35.2	22.7	5.0	0.00	129.6	19.5	0.0	0.0	500	13-Jul
PX10	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.2	0.0	0.0	500	14-Jul
PX10	84	197	29.60	36.1	25.3	0.0	0.00	181.4	19.3	0.0	0.0	500	15-Jul
PX10	84	198	28.80	37.7	25.5	0.0	0.00	190.1	18.5	0.0	0.0	500	16-Jul
PX10	84	199	24.60	36.4	24.1	1.0	0.00	146.9	18.9	0.0	0.0	500	17-Jul
PX10	84	200	21.50	33.5	22.1	9.0	0.00	129.6	18.8	0.0	0.0	500	18-Jul
PX10	84	201	18.90	35.6	23.1	0.0	0.00	121.0	18.6	0.0	0.0	500	19-Jul
PX10	84	202	23.10	35.0	21.7	3.0	0.00	138.2	18.9	0.0	0.0	500	20-Jul
PX10	84	203	16.50	39.2	19.4	34.0	0.00	65.0	23.6	0.0	0.0	500	21-Jul
PX10	84	204	16.60	31.6	23.1	0.0	0.00	103.7	20.3	0.0	0.0	500	22-Jul
PX10	84	205	29.60	34.1	22.1	0.0	0.00	86.4	19.9	0.0	0.0	500	23-Jul
PX10	84	206	25.50	32.7	23.4	0.0	0.00	69.1	18.8	0.0	0.0	500	24-Jul
PX10	84	207	23.60	34.5	24.6	0.0	0.00	95.0	16.6	0.0	0.0	500	25-Jul
PX10	84	208	26.90	33.6	22.0	0.0	0.00	112.3	15.6	0.0	0.0	500	26-Jul
PX10	84	209	18.00	31.1	22.0	0.0	0.00	112.3	18.1	0.0	0.0	500	27-Jul
PX10	84	210	26.50	30.8	21.5	100.0	0.00	65.0	19.1	0.0	0.0	500	28-Jul
PX10	84	211	25.80	29.1	20.9	0.0	0.00	77.8	20.1	0.0	0.0	500	29-Jul
PX10	84	212	26.90	30.5	21.9	0.0	0.00	69.1	22.2	0.0	0.0	500	30-Jul
PX10	84	213	23.70	32.0	23.7	0.0	0.00	86.4	23.8	0.0	0.0	500	31-Jul
PX10	84	214	26.90	32.6	22.6	0.0	0.00	95.0	22.6	0.0	0.0	500	01-Aug
PX10	84	215	24.50	32.2	21.5	0.0	0.00	60.5	18.7	0.0	0.0	500	02-Aug
PX10	84	216	27.60	34.8	22.0	0.0	0.00	77.8	15.2	0.0	0.0	500	03-Aug
PX10	84	217	27.60	36.5	22.9	0.0	0.00	121.0	14.9	0.0	0.0	500	04-Aug
PX10	84	218	26.80	35.4	23.2	0.0	0.00	103.7	15.9	0.0	0.0	500	05-Aug
PX10	84	219	27.70	37.5	23.9	0.0	0.00	112.3	14.6	0.0	0.0	500	06-Aug
PX10	84	220	26.60	37.6	23.5	0.0	0.00	112.3	13.7	0.0	0.0	500	07-Aug
PX10	84	221	27.10	34.3	22.5	0.0	0.00	129.6	17.5	0.0	0.0	500	08-Aug
PX10	84	222	21.50	30.0	21.2	5.0	0.00	138.2	21.1	0.0	0.0	500	09-Aug
PX10	84	223	24.70	29.6	21.1	0.0	0.00	95.0	20.1	0.0	0.0	500	10-Aug
PX10	84	224	12.40	30.0	23.2	0.0	0.00	121.0	20.2	0.0	0.0	500	11-Aug
PX10	84	225	26.30	32.5	22.0	0.0	0.00	86.4	19.3	0.0	0.0	500	12-Aug
PX10	84	226	26.60	31.5	24.2	0.0	0.00	138.2	19.9	0.0	0.0	500	13-Aug
PX10	84	227	20.30	30.9	20.0	2.0	0.00	112.3	19.5	0.0	0.0	500	14-Aug
PX10	84	228	23.80	32.2	23.0	0.0	0.00	86.4	19.8	0.0	0.0	500	15-Aug
PX10	84	229	23.60	33.2	23.8	0.0	0.00	112.3	18.9	0.0	0.0	500	16-Aug
PX10	84	230	22.00	33.1	22.5	0.0	0.00	112.3	18.7	0.0	0.0	500	17-Aug
PX10	84	231	21.30	31.6	20.9	0.0	0.00	95.0	17.4	0.0	0.0	500	18-Aug
PX10	84	232	21.50	30.4	22.2	0.0	0.00	112.3	18.5	0.0	0.0	500	19-Aug
PX10	84	233	22.30	31.8	19.6	0.0	0.00	95.0	18.2	0.0	0.0	500	20-Aug
PX10	84	234	25.50	33.9	18.7	0.0	0.00	86.4	16.5	0.0	0.0	500	21-Aug
PX10	84	235	19.50	34.6	22.2	0.0	0.00	121.0	15.2	0.0	0.0	500	22-Aug
PX10	84	236	14.30	30.4	22.9	2.0	0.00	86.4	16.3	0.0	0.0	500	23-Aug
PX10	84	237	24.70	35.0	20.2	0.0	0.00	112.3	15.4	0.0	0.0	500	24-Aug
PX10	84	238	23.10	34.9	20.6	0.0	0.00	86.4	15.9	0.0	0.0	500	25-Aug
PX10	84	239	25.30	36.4	23.3	0.0	0.00	69.1	15.3	0.0	0.0	500	26-Aug
PX10	84	240	22.30	36.7	21.2	0.0	0.00	51.8	14.9	0.0	0.0	500	27-Aug
PX10	84	241	24.80	36.6	24.5	0.0	0.00	0.0	16.0	0.0	0.0	500	28-Aug
PX10	84	242	25.30	39.4	23.1	0.0	0.00	0.0	14.3	0.0	0.0	500	29-Aug
PX10	84	243	25.00	35.1	23.2	0.0	0.00	17.3	15.0	0.0	0.0	500	30-Aug
PX10	84	244	21.30	32.8	23.4	0.0	0.00	51.8	16.4	0.0	0.0	500	31-Aug
PX10	84	245	24.10	32.0	19.0	20.0	0.00	60.5	18.8	0.0	0.0	500	01-Sep
PX10	84	246	24.10	29.9	19.3	0.0	0.00	17.3	20.2	0.0	0.0	500	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	84	247	24.50	33.7	22.1	0.0	0.00	77.8	19.5	0.0	0.0	500	03-Sep
PX10	84	248	24.80	34.8	22.4	0.0	0.00	138.2	13.8	0.0	0.0	500	04-Sep
PX10	84	249	26.10	34.7	18.0	0.0	0.00	138.2	5.8	0.0	0.0	500	05-Sep
PX10	84	250	25.40	33.6	16.2	0.0	0.00	95.0	7.1	0.0	0.0	500	06-Sep
PX10	84	251	24.10	32.0	17.0	0.0	0.00	86.4	11.1	0.0	0.0	500	07-Sep
PX10	84	252	23.90	32.4	20.9	0.0	0.00	86.4	16.9	0.0	0.0	500	08-Sep
PX10	84	253	22.00	32.2	20.8	0.0	0.00	112.3	17.8	0.0	0.0	500	09-Sep
PX10	84	254	21.50	31.4	20.1	46.0	0.00	86.4	21.3	0.0	0.0	500	10-Sep
PX10	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	500	11-Sep
PX10	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	500	12-Sep
PX10	84	257	22.10	31.6	19.3	0.0	0.00	77.8	17.7	0.0	0.0	500	13-Sep
PX10	84	258	21.80	32.5	20.7	0.0	0.00	69.1	17.3	0.0	0.0	500	14-Sep
PX10	84	259	23.10	35.0	22.1	1.0	0.00	155.5	12.8	0.0	0.0	500	15-Sep
PX10	84	260	23.10	33.8	20.7	0.0	0.00	95.0	13.2	0.0	0.0	500	16-Sep
PX10	84	261	19.30	34.5	21.4	0.0	0.00	77.8	13.4	0.0	0.0	500	17-Sep
PX10	84	262	22.20	36.0	20.6	0.0	0.00	121.0	12.1	0.0	0.0	500	18-Sep
PX10	84	263	21.70	34.2	19.7	0.0	0.00	95.0	12.7	0.0	0.0	500	19-Sep
PX10	84	264	21.50	34.5	20.0	0.0	0.00	112.3	11.3	0.0	0.0	500	20-Sep
PX10	84	265	18.80	33.5	20.3	2.0	0.00	121.0	13.5	0.0	0.0	500	21-Sep
PX10	84	266	20.90	32.5	18.9	0.0	0.00	138.2	13.9	0.0	0.0	500	22-Sep
PX10	84	267	19.60	32.5	20.4	0.0	0.00	121.0	13.4	0.0	0.0	500	23-Sep
PX10	84	268	3.70	32.2	19.2	0.0	0.00	86.4	12.7	0.0	0.0	500	24-Sep
PX10	84	269	3.90	24.6	18.4	8.0	0.00	69.1	17.8	0.0	0.0	500	25-Sep
PX10	84	270	20.10	19.9	16.5	20.0	0.00	17.3	16.9	0.0	0.0	500	26-Sep
PX10	84	271	20.60	27.6	14.9	0.0	0.00	17.3	16.7	0.0	0.0	500	27-Sep
PX10	84	272	20.00	29.6	16.8	0.0	0.00	25.9	14.8	0.0	0.0	500	28-Sep
PX10	84	273	14.20	30.6	16.3	0.0	0.00	51.8	14.7	0.0	0.0	500	29-Sep
PX10	84	274	17.60	29.0	16.8	0.0	0.00	146.9	13.1	0.0	0.0	500	30-Sep
PX10	84	275	18.60	30.1	17.8	0.0	0.00	86.4	11.8	0.0	0.0	500	01-Oct
PX10	84	276	18.60	28.4	15.6	0.0	0.00	86.4	11.8	0.0	0.0	500	02-Oct
PX10	84	277	18.70	28.4	15.6	5.0	0.00	77.8	11.8	0.0	0.0	500	03-Oct
PX10	84	278	18.90	25.3	11.4	0.0	0.00	69.1	12.3	0.0	0.0	500	04-Oct
PX10	84	279	19.00	32.9	16.4	0.0	0.00	69.1	11.4	0.0	0.0	500	05-Oct
PX10	84	280	19.00	28.8	12.3	0.0	0.00	60.5	9.9	0.0	0.0	500	06-Oct
PX10	84	281	19.10	31.6	13.3	0.0	0.00	51.8	9.5	0.0	0.0	500	07-Oct
PX10	84	282	18.70	32.1	13.7	0.0	0.00	51.8	8.4	0.0	0.0	500	08-Oct
PX10	84	283	18.20	32.1	14.3	0.0	0.00	60.5	8.6	0.0	0.0	500	09-Oct
PX10	84	284	17.70	31.3	14.4	0.0	0.00	86.4	9.3	0.0	0.0	500	10-Oct
PX10	84	285	14.30	30.5	16.1	0.0	0.00	60.5	13.6	0.0	0.0	500	11-Oct
PX10	84	286	17.60	29.4	16.5	0.0	0.00	60.5	13.3	0.0	0.0	500	12-Oct
PX10	84	287	16.60	29.3	13.2	0.0	0.00	112.3	9.4	0.0	0.0	500	13-Oct
PX10	84	288	17.80	30.0	12.9	0.0	0.00	69.1	7.5	0.0	0.0	500	14-Oct
PX10	84	289	14.80	27.2	12.8	0.0	0.00	164.2	4.8	0.0	0.0	500	15-Oct
PX10	84	290	17.20	23.2	8.0	0.0	0.00	103.7	0.6	0.0	0.0	500	16-Oct

```
                        options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG PARFAC        ↓        CO2YR WINDYR
PX02  33.40 112.00  2.30 0 1 1 0 1  350    0.0
```

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	84	97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX02	84	98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX02	84	99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX02	84	100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX02	84	101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX02	84	102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX02	84	103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX02	84	104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX02	84	105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX02	84	106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX02	84	107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX02	84	108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX02	84	109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX02	84	110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX02	84	111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX02	84	112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX02	84	113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX02	84	114	30.04	34.3	14.3	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX02	84	115	30.34	34.7	13.1	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX02	84	116	18.07	29.6	12.5	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX02	84	117	13.86	26.5	9.0	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX02	84	118	9.55	26.5	6.6	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX02	84	119	1.43	24.1	9.6	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX02	84	120	26.91	28.2	2.4	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX02	84	121	19.17	30.3	7.2	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX02	84	122	22.03	31.6	9.6	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX02	84	123	28.45	32.3	10.1	0.0	0.00	141.5	8.6	0.0	0.0	500	02-May
PX02	84	124	29.76	34.7	14.9	0.0	0.00	175.0	10.4	0.0	0.0	500	03-May
PX02	84	125	30.46	35.4	16.7	0.0	0.00	170.8	12.3	0.0	0.0	500	04-May
PX02	84	126	29.90	34.7	17.3	0.0	0.00	152.7	15.1	0.0	0.0	500	05-May
PX02	84	127	30.20	34.7	16.1	0.0	0.00	107.9	13.3	0.0	0.0	500	06-May
PX02	84	128	35.70	35.7	17.3	0.0	0.00	64.5	13.0	0.0	0.0	500	07-May
PX02	84	129	31.00	36.7	15.5	0.0	0.00	144.4	12.7	0.0	0.0	500	08-May
PX02	84	130	30.25	37.8	17.9	0.0	0.00	144.3	12.7	0.0	0.0	500	09-May
PX02	84	131	30.25	38.1	17.3	0.0	0.00	180.5	11.9	0.0	0.0	500	10-May
PX02	84	132	30.50	37.4	17.9	0.0	0.00	114.7	12.3	0.0	0.0	500	11-May
PX02	84	133	17.50	36.4	19.6	0.0	0.00	136.6	12.2	0.0	0.0	500	12-May
PX02	84	134	37.80	37.8	19.6	0.0	0.00	166.8	11.2	0.0	0.0	500	13-May
PX02	84	135	27.60	37.4	22.0	0.0	0.00	233.8	10.3	0.0	0.0	500	14-May
PX02	84	136	24.00	35.7	17.9	0.0	0.00	185.0	12.0	0.0	0.0	500	15-May
PX02	84	137	30.70	35.4	15.5	0.0	0.00	187.2	13.1	0.0	0.0	500	16-May
PX02	84	138	30.25	35.7	18.5	0.0	0.00	134.9	13.0	0.0	0.0	500	17-May
PX02	84	139	30.40	36.4	18.5	0.0	0.00	122.5	12.6	0.0	0.0	500	18-May
PX02	84	140	31.00	37.1	18.5	0.0	0.00	110.5	14.4	0.0	0.0	500	19-May
PX02	84	141	30.70	37.4	19.0	0.0	0.00	147.3	14.9	0.0	0.0	500	20-May
PX02	84	142	30.60	37.8	19.6	0.0	0.00	144.7	8.1	0.0	0.0	500	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	84	143	31.20	38.1	19.6	0.0	0.00	123.0	5.9	0.0	0.0	500	22-May
PX02	84	144	31.00	39.5	18.5	0.0	0.00	133.1	2.1	0.0	0.0	500	23-May
PX02	84	145	31.40	39.1	19.6	0.0	0.00	146.1	-2.2	0.0	0.0	500	24-May
PX02	84	146	31.60	39.1	19.6	0.0	0.00	140.2	5.3	0.0	0.0	500	25-May
PX02	84	147	31.20	39.5	19.0	0.0	0.00	149.4	5.8	0.0	0.0	500	26-May
PX02	84	148	31.60	39.8	20.2	0.0	0.00	149.0	4.8	0.0	0.0	500	27-May
PX02	84	149	31.80	41.2	20.2	0.0	0.00	152.7	4.3	0.0	0.0	500	28-May
PX02	84	150	27.40	40.1	24.4	0.0	0.00	224.6	6.5	0.0	0.0	500	29-May
PX02	84	151	22.30	39.6	24.8	0.0	0.00	181.4	8.4	0.0	0.0	500	30-May
PX02	84	152	29.20	37.2	20.1	0.0	0.00	112.3	12.8	0.0	0.0	500	31-May
PX02	84	153	30.70	36.3	22.3	0.0	0.00	164.2	10.7	0.0	0.0	500	01-Jun
PX02	84	154	30.60	37.8	20.2	0.0	0.00	181.4	8.5	0.0	0.0	500	02-Jun
PX02	84	155	31.40	38.3	21.5	0.0	0.00	190.1	3.6	0.0	0.0	500	03-Jun
PX02	84	156	26.70	32.9	19.0	0.0	0.00	181.4	10.9	0.0	0.0	500	04-Jun
PX02	84	157	25.30	34.9	17.2	0.0	0.00	138.2	11.4	0.0	0.0	500	05-Jun
PX02	84	158	29.40	35.6	18.0	0.0	0.00	181.4	7.4	0.0	0.0	500	06-Jun
PX02	84	159	31.40	34.8	19.7	0.0	0.00	155.5	6.5	0.0	0.0	500	07-Jun
PX02	84	160	30.80	36.7	18.0	0.0	0.00	129.6	5.8	0.0	0.0	500	08-Jun
PX02	84	161	30.90	38.7	16.8	0.0	0.00	65.0	2.3	0.0	0.0	500	09-Jun
PX02	84	162	30.80	40.9	20.0	0.0	0.00	198.7	1.9	0.0	0.0	500	10-Jun
PX02	84	163	30.90	38.7	17.6	0.0	0.00	190.1	1.7	0.0	0.0	500	11-Jun
PX02	84	164	31.60	39.6	16.8	0.0	0.00	190.1	1.7	0.0	0.0	500	12-Jun
PX02	84	165	31.80	37.0	17.5	0.0	0.00	155.5	5.4	0.0	0.0	500	13-Jun
PX02	84	166	31.30	34.2	17.8	0.0	0.00	164.2	6.2	0.0	0.0	500	14-Jun
PX02	84	167	32.00	35.6	15.3	0.0	0.00	112.3	4.1	0.0	0.0	500	15-Jun
PX02	84	168	31.70	33.9	16.9	0.0	0.00	112.3	1.1	0.0	0.0	500	16-Jun
PX02	84	169	31.80	37.6	14.6	0.0	0.00	65.0	0.6	0.0	0.0	500	17-Jun
PX02	84	170	30.90	38.3	17.8	0.0	0.00	112.3	1.5	0.0	0.0	500	18-Jun
PX02	84	171	30.60	39.7	20.8	0.0	0.00	112.3	3.8	0.0	0.0	500	19-Jun
PX02	84	172	31.90	38.4	19.6	0.0	0.00	138.2	4.1	0.0	0.0	500	20-Jun
PX02	84	173	31.70	40.5	17.9	0.0	0.00	164.2	3.0	0.0	0.0	500	21-Jun
PX02	84	174	31.00	40.8	19.7	0.0	0.00	112.3	5.6	0.0	0.0	500	22-Jun
PX02	84	175	29.60	40.1	21.2	0.0	0.00	103.7	6.2	0.0	0.0	500	23-Jun
PX02	84	176	23.20	41.3	22.9	0.0	0.00	103.7	11.1	0.0	0.0	500	24-Jun
PX02	84	177	24.00	37.8	23.2	4.0	0.00	146.9	18.2	0.0	0.0	500	25-Jun
PX02	84	178	29.70	40.6	25.9	0.0	0.00	103.7	17.7	0.0	0.0	500	26-Jun
PX02	84	179	23.70	38.8	26.9	0.0	0.00	65.0	18.1	0.0	0.0	500	27-Jun
PX02	84	180	29.80	37.4	23.4	0.0	0.00	164.2	18.5	0.0	0.0	500	28-Jun
PX02	84	181	29.40	36.6	24.0	3.0	0.00	164.2	18.9	0.0	0.0	500	29-Jun
PX02	84	182	18.30	35.0	24.4	1.0	0.00	103.7	18.2	0.0	0.0	500	30-Jun
PX02	84	183	25.30	36.9	19.8	0.0	0.00	129.6	17.4	0.0	0.0	500	01-Jul
PX02	84	184	22.80	37.2	22.5	0.0	0.00	129.6	17.7	0.0	0.0	500	02-Jul
PX02	84	185	20.30	38.8	24.9	0.0	0.00	129.6	16.3	0.0	0.0	500	03-Jul
PX02	84	186	30.80	40.3	26.5	0.0	0.00	138.2	16.2	0.0	0.0	500	04-Jul
PX02	84	187	29.90	40.1	26.5	0.0	0.00	103.7	15.4	0.0	0.0	500	05-Jul
PX02	84	188	28.40	40.4	26.6	0.0	0.00	138.2	15.8	0.0	0.0	500	06-Jul
PX02	84	189	29.70	39.4	24.5	0.0	0.00	146.9	16.0	0.0	0.0	500	07-Jul
PX02	84	190	28.50	37.5	26.4	0.0	0.00	198.7	17.0	0.0	0.0	500	08-Jul
PX02	84	191	29.90	39.5	24.9	0.0	0.00	138.2	17.2	0.0	0.0	500	09-Jul
PX02	84	192	29.30	41.7	26.2	0.0	0.00	155.5	16.1	0.0	0.0	500	10-Jul
PX02	84	193	24.80	36.2	25.7	0.0	0.00	129.6	17.6	0.0	0.0	500	11-Jul
PX02	84	194	23.80	37.1	22.3	0.0	0.00	129.6	18.4	0.0	0.0	500	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	84	195	22.50	38.3	23.2	5.0	0.00	129.6	20.0	0.0	0.0	500	13-Jul
PX02	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.5	0.0	0.0	500	14-Jul
PX02	84	197	29.60	37.7	26.1	0.0	0.00	181.4	20.4	0.0	0.0	500	15-Jul
PX02	84	198	28.80	36.3	24.8	0.0	0.00	190.1	19.5	0.0	0.0	500	16-Jul
PX02	84	199	24.60	34.0	22.8	1.0	0.00	146.9	20.6	0.0	0.0	500	17-Jul
PX02	84	200	21.50	32.6	21.9	9.0	0.00	129.6	21.7	0.0	0.0	500	18-Jul
PX02	84	201	18.90	35.6	22.1	0.0	0.00	121.0	19.7	0.0	0.0	500	19-Jul
PX02	84	202	23.10	35.0	21.5	3.0	0.00	138.2	19.2	0.0	0.0	500	20-Jul
PX02	84	203	16.50	27.5	17.2	34.0	0.00	65.0	19.5	0.0	0.0	500	21-Jul
PX02	84	204	16.60	27.6	21.5	0.0	0.00	103.7	20.4	0.0	0.0	500	22-Jul
PX02	84	205	29.60	30.6	20.7	0.0	0.00	86.4	20.1	0.0	0.0	500	23-Jul
PX02	84	206	25.50	33.0	23.2	0.0	0.00	69.1	18.7	0.0	0.0	500	24-Jul
PX02	84	207	23.60	33.2	24.7	0.0	0.00	95.0	17.8	0.0	0.0	500	25-Jul
PX02	84	208	26.90	31.8	20.9	0.0	0.00	112.3	16.9	0.0	0.0	500	26-Jul
PX02	84	209	18.00	28.6	18.6	0.0	0.00	112.3	18.9	0.0	0.0	500	27-Jul
PX02	84	210	26.50	31.8	22.1	100.0	0.00	65.0	22.2	0.0	0.0	500	28-Jul
PX02	84	211	25.80	29.7	21.2	0.0	0.00	77.8	20.8	0.0	0.0	500	29-Jul
PX02	84	212	26.90	29.9	21.8	0.0	0.00	69.1	19.6	0.0	0.0	500	30-Jul
PX02	84	213	23.70	31.5	23.0	0.0	0.00	86.4	19.9	0.0	0.0	500	31-Jul
PX02	84	214	26.90	31.0	22.1	0.0	0.00	95.0	16.9	0.0	0.0	500	01-Aug
PX02	84	215	24.50	30.7	21.2	0.0	0.00	60.5	16.0	0.0	0.0	500	02-Aug
PX02	84	216	27.60	32.1	21.7	0.0	0.00	77.8	15.8	0.0	0.0	500	03-Aug
PX02	84	217	27.60	33.5	22.5	0.0	0.00	121.0	15.8	0.0	0.0	500	04-Aug
PX02	84	218	26.80	33.1	22.5	0.0	0.00	103.7	16.7	0.0	0.0	500	05-Aug
PX02	84	219	27.70	35.2	23.1	0.0	0.00	112.3	15.5	0.0	0.0	500	06-Aug
PX02	84	220	26.60	35.5	22.9	0.0	0.00	112.3	14.4	0.0	0.0	500	07-Aug
PX02	84	221	27.10	31.5	19.5	0.0	0.00	129.6	17.6	0.0	0.0	500	08-Aug
PX02	84	222	21.50	29.6	20.9	5.0	0.00	138.2	19.6	0.0	0.0	500	09-Aug
PX02	84	223	24.70	29.2	21.1	0.0	0.00	95.0	19.9	0.0	0.0	500	10-Aug
PX02	84	224	12.40	29.5	22.6	0.0	0.00	121.0	20.2	0.0	0.0	500	11-Aug
PX02	84	225	26.30	32.4	22.0	0.0	0.00	86.4	19.4	0.0	0.0	500	12-Aug
PX02	84	226	26.60	30.7	23.7	0.0	0.00	138.2	20.6	0.0	0.0	500	13-Aug
PX02	84	227	20.30	30.4	19.8	2.0	0.00	112.3	19.6	0.0	0.0	500	14-Aug
PX02	84	228	23.80	31.6	22.5	0.0	0.00	86.4	20.0	0.0	0.0	500	15-Aug
PX02	84	229	23.60	32.8	23.4	0.0	0.00	112.3	19.0	0.0	0.0	500	16-Aug
PX02	84	230	22.00	32.9	22.1	0.0	0.00	112.3	19.6	0.0	0.0	500	17-Aug
PX02	84	231	21.30	31.5	20.5	0.0	0.00	95.0	17.6	0.0	0.0	500	18-Aug
PX02	84	232	21.50	30.6	22.1	0.0	0.00	112.3	18.5	0.0	0.0	500	19-Aug
PX02	84	233	22.30	32.4	20.7	0.0	0.00	95.0	17.9	0.0	0.0	500	20-Aug
PX02	84	234	25.50	34.1	21.4	0.0	0.00	86.4	15.8	0.0	0.0	500	21-Aug
PX02	84	235	19.50	35.1	22.2	0.0	0.00	121.0	14.8	0.0	0.0	500	22-Aug
PX02	84	236	14.30	29.0	22.2	2.0	0.00	86.4	16.8	0.0	0.0	500	23-Aug
PX02	84	237	24.70	30.3	19.1	0.0	0.00	112.3	17.4	0.0	0.0	500	24-Aug
PX02	84	238	23.10	30.2	19.1	0.0	0.00	86.4	17.6	0.0	0.0	500	25-Aug
PX02	84	239	25.30	30.8	21.3	0.0	0.00	69.1	17.1	0.0	0.0	500	26-Aug
PX02	84	240	22.30	32.3	20.0	0.0	0.00	51.8	16.4	0.0	0.0	500	27-Aug
PX02	84	241	24.80	32.4	32.1	0.0	0.00	0.0	17.5	0.0	0.0	500	28-Aug
PX02	84	242	25.30	34.8	21.9	0.0	0.00	0.0	15.7	0.0	0.0	500	29-Aug
PX02	84	243	25.00	35.8	21.2	0.0	0.00	17.3	14.6	0.0	0.0	500	30-Aug
PX02	84	244	21.30	34.9	24.2	0.0	0.00	51.8	15.6	0.0	0.0	500	31-Aug
PX02	84	245	24.10	33.7	18.7	20.0	0.00	60.5	18.4	0.0	0.0	500	01-Sep
PX02	84	246	24.10	33.2	19.1	0.0	0.00	17.3	22.3	0.0	0.0	500	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	84	247	24.50	35.0	20.7	0.0	0.00	77.8	20.2	0.0	0.0	500	03-Sep
PX02	84	248	24.80	35.8	21.8	0.0	0.00	138.2	14.3	0.0	0.0	500	04-Sep
PX02	84	249	26.10	35.7	18.2	0.0	0.00	138.2	6.1	0.0	0.0	500	05-Sep
PX02	84	250	25.40	32.1	16.0	0.0	0.00	95.0	9.8	0.0	0.0	500	06-Sep
PX02	84	251	24.10	29.4	16.0	0.0	0.00	86.4	12.9	0.0	0.0	500	07-Sep
PX02	84	252	23.90	29.8	20.1	0.0	0.00	86.4	17.7	0.0	0.0	500	08-Sep
PX02	84	253	22.00	29.8	19.7	0.0	0.00	112.3	18.6	0.0	0.0	500	09-Sep
PX02	84	254	21.50	34.2	20.1	46.0	0.00	86.4	22.1	0.0	0.0	500	10-Sep
PX02	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	500	11-Sep
PX02	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	500	12-Sep
PX02	84	257	22.10	30.7	19.4	0.0	0.00	77.8	18.0	0.0	0.0	500	13-Sep
PX02	84	258	21.80	31.5	20.2	0.0	0.00	69.1	17.7	0.0	0.0	500	14-Sep
PX02	84	259	23.10	34.0	22.1	1.0	0.00	155.5	13.8	0.0	0.0	500	15-Sep
PX02	84	260	23.10	33.0	20.7	0.0	0.00	95.0	14.0	0.0	0.0	500	16-Sep
PX02	84	261	19.30	33.4	21.1	0.0	0.00	77.8	13.2	0.0	0.0	500	17-Sep
PX02	84	262	22.20	34.8	20.7	0.0	0.00	121.0	12.2	0.0	0.0	500	18-Sep
PX02	84	263	21.70	33.4	19.7	0.0	0.00	95.0	12.6	0.0	0.0	500	19-Sep
PX02	84	264	21.50	33.0	19.3	0.0	0.00	112.3	11.5	0.0	0.0	500	20-Sep
PX02	84	265	18.80	32.5	19.7	2.0	0.00	121.0	13.8	0.0	0.0	500	21-Sep
PX02	84	266	20.90	31.7	18.7	0.0	0.00	138.2	14.3	0.0	0.0	500	22-Sep
PX02	84	267	19.60	31.7	19.8	0.0	0.00	121.0	13.6	0.0	0.0	500	23-Sep
PX02	84	268	3.70	31.8	18.7	0.0	0.00	86.4	12.9	0.0	0.0	500	24-Sep
PX02	84	269	3.90	24.5	18.6	8.0	0.00	69.1	17.7	0.0	0.0	500	25-Sep
PX02	84	270	20.10	20.3	16.4	20.0	0.00	17.3	16.7	0.0	0.0	500	26-Sep
PX02	84	271	20.60	27.1	14.9	0.0	0.00	17.3	16.9	0.0	0.0	500	27-Sep
PX02	84	272	20.00	28.2	16.7	0.0	0.00	25.9	15.3	0.0	0.0	500	28-Sep
PX02	84	273	14.20	29.7	15.7	0.0	0.00	51.8	15.2	0.0	0.0	500	29-Sep
PX02	84	274	17.60	28.3	16.3	0.0	0.00	146.9	13.6	0.0	0.0	500	30-Sep
PX02	84	275	18.60	28.6	17.6	0.0	0.00	86.4	12.2	0.0	0.0	500	01-Oct
PX02	84	276	18.60	27.0	14.9	0.0	0.00	86.4	11.9	0.0	0.0	500	02-Oct
PX02	84	277	18.70	27.0	14.9	5.0	0.00	77.8	11.9	0.0	0.0	500	03-Oct
PX02	84	278	18.90	24.5	11.3	0.0	0.00	69.1	12.7	0.0	0.0	500	04-Oct
PX02	84	279	19.00	32.9	16.4	0.0	0.00	69.1	11.3	0.0	0.0	500	05-Oct
PX02	84	280	19.00	27.8	12.2	0.0	0.00	60.5	10.3	0.0	0.0	500	06-Oct
PX02	84	281	19.10	30.6	13.0	0.0	0.00	51.8	9.8	0.0	0.0	500	07-Oct
PX02	84	282	18.70	30.6	13.3	0.0	0.00	51.8	8.5	0.0	0.0	500	08-Oct
PX02	84	283	18.20	30.9	13.3	0.0	0.00	60.5	8.9	0.0	0.0	500	09-Oct
PX02	84	284	17.70	29.6	13.5	0.0	0.00	86.4	9.4	0.0	0.0	500	10-Oct
PX02	84	285	14.30	29.8	15.7	0.0	0.00	60.5	13.7	0.0	0.0	500	11-Oct
PX02	84	286	17.60	28.6	16.4	0.0	0.00	60.5	13.3	0.0	0.0	500	12-Oct
PX02	84	287	16.60	28.1	13.3	0.0	0.00	112.3	9.4	0.0	0.0	500	13-Oct
PX02	84	288	17.80	28.4	12.5	0.0	0.00	69.1	7.7	0.0	0.0	500	14-Oct
PX02	84	289	14.80	25.9	12.2	0.0	0.00	164.2	5.1	0.0	0.0	500	15-Oct
PX02	84	290	17.20	22.2	7.5	0.0	0.00	103.7	2.5	0.0	0.0	500	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC						CO2YR	WINDYR
PX16	33.40	112.00	2.30	0	1	1	0	1	350	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	84	97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX16	84	98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX16	84	99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX16	84	100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX16	84	101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX16	84	102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX16	84	103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX16	84	104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX16	84	105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX16	84	106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX16	84	107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX16	84	108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX16	84	109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX16	84	110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX16	84	111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX16	84	112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX16	84	113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX16	84	114	30.04	33.5	15.0	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX16	84	115	30.34	33.8	13.9	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX16	84	116	18.07	30.0	13.4	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX16	84	117	13.86	27.7	10.2	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX16	84	118	9.55	27.7	8.1	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX16	84	119	1.43	25.9	10.7	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX16	84	120	26.91	29.0	4.4	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX16	84	121	19.17	30.5	8.6	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX16	84	122	22.03	31.5	10.7	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX16	84	123	28.45	32.0	11.3	0.0	0.00	141.5	8.6	0.0	0.0	350	02-May
PX16	84	124	29.76	33.8	15.5	0.0	0.00	175.0	10.4	0.0	0.0	500	03-May
PX16	84	125	30.46	34.3	17.1	0.0	0.00	170.8	12.3	0.0	0.0	500	04-May
PX16	84	126	29.90	33.8	17.6	0.0	0.00	152.7	15.1	0.0	0.0	500	05-May
PX16	84	127	30.20	33.8	16.6	0.0	0.00	107.9	13.3	0.0	0.0	500	06-May
PX16	84	128	35.70	34.6	17.6	0.0	0.00	64.5	13.0	0.0	0.0	500	07-May
PX16	84	129	31.00	35.3	16.0	0.0	0.00	144.4	12.7	0.0	0.0	500	08-May
PX16	84	130	30.25	36.1	18.2	0.0	0.00	144.3	12.7	0.0	0.0	500	09-May
PX16	84	131	30.25	36.3	17.6	0.0	0.00	180.5	11.9	0.0	0.0	500	10-May
PX16	84	132	30.50	35.8	18.2	0.0	0.00	114.7	12.3	0.0	0.0	500	11-May
PX16	84	133	17.50	35.1	19.7	0.0	0.00	136.6	12.2	0.0	0.0	500	12-May
PX16	84	134	37.80	36.1	19.7	0.0	0.00	166.8	11.2	0.0	0.0	500	13-May
PX16	84	135	27.60	35.8	21.9	0.0	0.00	233.8	10.3	0.0	0.0	500	14-May
PX16	84	136	24.00	34.6	18.2	0.0	0.00	185.0	12.0	0.0	0.0	500	15-May
PX16	84	137	30.70	34.3	16.0	0.0	0.00	187.2	13.1	0.0	0.0	500	16-May
PX16	84	138	30.25	34.6	18.7	0.0	0.00	134.9	13.0	0.0	0.0	500	17-May
PX16	84	139	30.40	35.1	18.7	0.0	0.00	122.5	12.6	0.0	0.0	500	18-May
PX16	84	140	31.00	35.6	18.7	0.0	0.00	110.5	14.4	0.0	0.0	500	19-May
PX16	84	141	30.70	35.8	19.2	0.0	0.00	147.3	14.9	0.0	0.0	500	20-May
PX16	84	142	30.60	36.1	19.7	0.0	0.00	144.7	8.1	0.0	0.0	500	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	84	143	31.20	36.3	19.7	0.0	0.00	123.0	5.9	0.0	0.0	500	22-May
PX16	84	144	31.00	37.3	18.7	0.0	0.00	133.1	2.1	0.0	0.0	500	23-May
PX16	84	145	31.40	37.1	19.7	0.0	0.00	146.1	-2.2	0.0	0.0	500	24-May
PX16	84	146	31.60	37.1	19.7	0.0	0.00	140.2	5.3	0.0	0.0	500	25-May
PX16	84	147	31.20	37.3	19.2	0.0	0.00	149.4	5.8	0.0	0.0	500	26-May
PX16	84	148	31.60	37.6	20.3	0.0	0.00	149.0	4.8	0.0	0.0	500	27-May
PX16	84	149	31.80	38.6	20.3	0.0	0.00	152.7	4.3	0.0	0.0	500	28-May
PX16	84	150	27.40	37.8	24.0	0.0	0.00	224.6	5.0	0.0	0.0	500	29-May
PX16	84	151	22.30	38.1	24.3	0.0	0.00	181.4	7.7	0.0	0.0	500	30-May
PX16	84	152	29.20	36.2	20.5	0.0	0.00	112.3	11.6	0.0	0.0	500	31-May
PX16	84	153	30.70	36.7	22.0	0.0	0.00	164.2	7.3	0.0	0.0	500	01-Jun
PX16	84	154	30.60	36.1	20.3	0.0	0.00	181.4	4.6	0.0	0.0	500	02-Jun
PX16	84	155	31.40	37.1	22.3	0.0	0.00	190.1	-0.5	0.0	0.0	500	03-Jun
PX16	84	156	26.70	35.1	18.6	0.0	0.00	181.4	6.1	0.0	0.0	500	04-Jun
PX16	84	157	25.30	32.8	18.2	0.0	0.00	138.2	6.5	0.0	0.0	500	05-Jun
PX16	84	158	29.40	34.1	18.1	0.0	0.00	181.4	5.6	0.0	0.0	500	06-Jun
PX16	84	159	31.40	33.2	19.4	0.0	0.00	155.5	4.6	0.0	0.0	500	07-Jun
PX16	84	160	30.80	34.8	17.4	0.0	0.00	129.6	3.2	0.0	0.0	500	08-Jun
PX16	84	161	30.90	36.8	16.6	0.0	0.00	65.0	-0.2	0.0	0.0	500	09-Jun
PX16	84	162	30.80	39.1	19.8	0.0	0.00	198.7	-1.2	0.0	0.0	500	10-Jun
PX16	84	163	30.90	37.4	18.3	0.0	0.00	190.1	-1.9	0.0	0.0	500	11-Jun
PX16	84	164	31.60	38.4	16.9	0.0	0.00	190.1	-1.9	0.0	0.0	500	12-Jun
PX16	84	165	31.80	34.6	17.9	0.0	0.00	155.5	1.9	0.0	0.0	500	13-Jun
PX16	84	166	31.30	34.8	17.7	0.0	0.00	164.2	1.3	0.0	0.0	500	14-Jun
PX16	84	167	32.00	35.6	17.4	0.0	0.00	112.3	-0.9	0.0	0.0	500	15-Jun
PX16	84	168	31.70	34.5	17.9	0.0	0.00	112.3	-4.7	0.0	0.0	500	16-Jun
PX16	84	169	31.80	36.1	16.9	0.0	0.00	65.0	-5.4	0.0	0.0	500	17-Jun
PX16	84	170	30.90	38.8	18.3	0.0	0.00	112.3	10.3	0.0	0.0	500	18-Jun
PX16	84	171	30.60	37.9	21.4	0.0	0.00	112.3	0.4	0.0	0.0	500	19-Jun
PX16	84	172	31.90	36.6	19.7	0.0	0.00	138.2	4.1	0.0	0.0	500	20-Jun
PX16	84	173	31.70	37.2	17.9	0.0	0.00	164.2	-0.9	0.0	0.0	500	21-Jun
PX16	84	174	31.00	37.4	20.4	0.0	0.00	112.3	4.1	0.0	0.0	500	22-Jun
PX16	84	175	29.60	37.9	20.5	0.0	0.00	103.7	4.1	0.0	0.0	500	23-Jun
PX16	84	176	23.20	37.9	22.4	0.0	0.00	103.7	10.0	0.0	0.0	500	24-Jun
PX16	84	177	24.00	34.3	21.0	4.0	0.00	146.9	17.8	0.0	0.0	500	25-Jun
PX16	84	178	29.70	37.3	24.9	0.0	0.00	103.7	17.1	0.0	0.0	500	26-Jun
PX16	84	179	23.70	34.0	26.5	0.0	0.00	65.0	16.5	0.0	0.0	500	27-Jun
PX16	84	180	29.80	34.2	22.3	0.0	0.00	164.2	17.7	0.0	0.0	500	28-Jun
PX16	84	181	29.40	32.4	22.8	3.0	0.00	164.2	18.2	0.0	0.0	500	29-Jun
PX16	84	182	18.30	31.4	23.5	1.0	0.00	103.7	17.5	0.0	0.0	500	30-Jun
PX16	84	183	25.30	33.5	19.6	0.0	0.00	129.6	16.4	0.0	0.0	500	01-Jul
PX16	84	184	22.80	33.5	21.9	0.0	0.00	129.6	17.0	0.0	0.0	500	02-Jul
PX16	84	185	20.30	35.4	24.4	0.0	0.00	129.6	15.5	0.0	0.0	500	03-Jul
PX16	84	186	30.80	37.3	26.2	0.0	0.00	138.2	15.0	0.0	0.0	500	04-Jul
PX16	84	187	29.90	36.5	26.6	0.0	0.00	103.7	15.0	0.0	0.0	500	05-Jul
PX16	84	188	28.40	36.8	26.1	0.0	0.00	138.2	15.4	0.0	0.0	500	06-Jul
PX16	84	189	29.70	35.1	23.8	0.0	0.00	146.9	15.3	0.0	0.0	500	07-Jul
PX16	84	190	28.50	33.9	25.9	0.0	0.00	198.7	16.5	0.0	0.0	500	08-Jul
PX16	84	191	29.90	35.8	24.3	0.0	0.00	138.2	16.4	0.0	0.0	500	09-Jul
PX16	84	192	29.30	37.7	25.4	0.0	0.00	155.5	15.1	0.0	0.0	500	10-Jul
PX16	84	193	24.80	32.0	25.4	0.0	0.00	129.6	16.2	0.0	0.0	500	11-Jul
PX16	84	194	23.80	32.7	21.7	0.0	0.00	129.6	17.9	0.0	0.0	500	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	84	195	22.50	31.9	21.5	5.0	0.00	129.6	18.9	0.0	0.0	500	13-Jul
PX16	84	196	28.50	35.1	22.4	0.0	0.00	146.9	19.5	0.0	0.0	500	14-Jul
PX16	84	197	29.60	32.5	23.9	0.0	0.00	181.4	18.9	0.0	0.0	500	15-Jul
PX16	84	198	28.80	34.3	24.4	0.0	0.00	190.1	18.0	0.0	0.0	500	16-Jul
PX16	84	199	24.60	33.0	22.9	1.0	0.00	146.9	18.5	0.0	0.0	500	17-Jul
PX16	84	200	21.50	32.6	21.9	9.0	0.00	129.6	21.5	0.0	0.0	500	18-Jul
PX16	84	201	18.90	32.0	22.2	0.0	0.00	121.0	24.9	0.0	0.0	500	19-Jul
PX16	84	202	23.10	31.7	20.7	3.0	0.00	138.2	20.6	0.0	0.0	500	20-Jul
PX16	84	203	16.50	28.0	18.7	34.0	0.00	65.0	19.6	0.0	0.0	500	21-Jul
PX16	84	204	16.60	31.2	20.2	0.0	0.00	103.7	21.1	0.0	0.0	500	22-Jul
PX16	84	205	29.60	33.1	19.5	0.0	0.00	86.4	20.2	0.0	0.0	500	23-Jul
PX16	84	206	25.50	33.4	23.3	0.0	0.00	69.1	19.0	0.0	0.0	500	24-Jul
PX16	84	207	23.60	32.0	24.6	0.0	0.00	95.0	17.9	0.0	0.0	500	25-Jul
PX16	84	208	26.90	31.4	21.4	0.0	0.00	112.3	16.8	0.0	0.0	500	26-Jul
PX16	84	209	18.00	29.8	18.6	0.0	0.00	112.3	18.5	0.0	0.0	500	27-Jul
PX16	84	210	26.50	30.8	21.0	100.0	0.00	65.0	19.5	0.0	0.0	500	28-Jul
PX16	84	211	25.80	30.8	21.0	0.0	0.00	77.8	19.6	0.0	0.0	500	29-Jul
PX16	84	212	26.90	32.0	22.3	0.0	0.00	69.1	18.8	0.0	0.0	500	30-Jul
PX16	84	213	23.70	32.8	23.9	0.0	0.00	86.4	18.9	0.0	0.0	500	31-Jul
PX16	84	214	26.90	33.0	22.7	0.0	0.00	95.0	16.0	0.0	0.0	500	01-Aug
PX16	84	215	24.50	32.6	21.7	0.0	0.00	60.5	15.7	0.0	0.0	500	02-Aug
PX16	84	216	27.60	34.1	21.9	0.0	0.00	77.8	15.2	0.0	0.0	500	03-Aug
PX16	84	217	27.60	35.7	23.1	0.0	0.00	121.0	15.0	0.0	0.0	500	04-Aug
PX16	84	218	26.80	34.7	23.3	0.0	0.00	103.7	16.3	0.0	0.0	500	05-Aug
PX16	84	219	27.70	36.3	23.9	0.0	0.00	112.3	14.8	0.0	0.0	500	06-Aug
PX16	84	220	26.60	37.0	23.3	0.0	0.00	112.3	14.2	0.0	0.0	500	07-Aug
PX16	84	221	27.10	32.6	20.6	0.0	0.00	129.6	16.8	0.0	0.0	500	08-Aug
PX16	84	222	21.50	30.6	21.3	5.0	0.00	138.2	19.1	0.0	0.0	500	09-Aug
PX16	84	223	24.70	30.5	21.5	0.0	0.00	95.0	19.5	0.0	0.0	500	10-Aug
PX16	84	224	12.40	36.9	23.6	0.0	0.00	121.0	19.7	0.0	0.0	500	11-Aug
PX16	84	225	26.30	34.2	22.2	0.0	0.00	86.4	18.9	0.0	0.0	500	12-Aug
PX16	84	226	26.60	32.7	24.4	0.0	0.00	138.2	19.5	0.0	0.0	500	13-Aug
PX16	84	227	20.30	32.4	20.3	2.0	0.00	112.3	19.1	0.0	0.0	500	14-Aug
PX16	84	228	23.80	32.8	23.2	0.0	0.00	86.4	19.5	0.0	0.0	500	15-Aug
PX16	84	229	23.60	34.0	24.2	0.0	0.00	112.3	18.6	0.0	0.0	500	16-Aug
PX16	84	230	22.00	33.9	22.7	0.0	0.00	112.3	18.3	0.0	0.0	500	17-Aug
PX16	84	231	21.30	32.0	21.1	0.0	0.00	95.0	17.0	0.0	0.0	500	18-Aug
PX16	84	232	21.50	30.9	22.3	0.0	0.00	112.3	18.2	0.0	0.0	500	19-Aug
PX16	84	233	22.30	32.5	21.0	0.0	0.00	95.0	17.4	0.0	0.0	500	20-Aug
PX16	84	234	25.50	34.6	21.5	0.0	0.00	86.4	15.4	0.0	0.0	500	21-Aug
PX16	84	235	19.50	35.3	22.3	0.0	0.00	121.0	14.5	0.0	0.0	500	22-Aug
PX16	84	236	14.30	29.2	23.1	2.0	0.00	86.4	16.7	0.0	0.0	500	23-Aug
PX16	84	237	24.70	31.5	19.6	0.0	0.00	112.3	16.5	0.0	0.0	500	24-Aug
PX16	84	238	23.10	31.2	19.6	0.0	0.00	86.4	16.9	0.0	0.0	500	25-Aug
PX16	84	239	25.30	33.0	22.5	0.0	0.00	69.1	16.2	0.0	0.0	500	26-Aug
PX16	84	240	22.30	32.7	20.2	0.0	0.00	51.8	16.2	0.0	0.0	500	27-Aug
PX16	84	241	24.80	33.2	23.4	0.0	0.00	0.0	17.3	0.0	0.0	500	28-Aug
PX16	84	242	25.30	35.5	22.2	0.0	0.00	0.0	15.9	0.0	0.0	500	29-Aug
PX16	84	243	25.00	36.5	22.3	0.0	0.00	17.3	14.0	0.0	0.0	500	30-Aug
PX16	84	244	21.30	35.6	25.2	0.0	0.00	51.8	14.9	0.0	0.0	500	31-Aug
PX16	84	245	24.10	34.0	18.5	20.0	0.00	60.5	17.6	0.0	0.0	500	01-Sep
PX16	84	246	24.10	30.3	19.0	0.0	0.00	17.3	18.5	0.0	0.0	500	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	84	247	24.50	34.8	22.2	0.0	0.00	77.8	19.2	0.0	0.0	500	03-Sep
PX16	84	248	24.80	35.1	23.0	0.0	0.00	138.2	13.3	0.0	0.0	500	04-Sep
PX16	84	249	26.10	35.5	18.1	0.0	0.00	138.2	4.8	0.0	0.0	500	05-Sep
PX16	84	250	25.40	31.3	16.5	0.0	0.00	95.0	9.0	0.0	0.0	500	06-Sep
PX16	84	251	24.10	31.1	16.2	0.0	0.00	86.4	11.8	0.0	0.0	500	07-Sep
PX16	84	252	23.90	31.7	20.5	0.0	0.00	86.4	16.9	0.0	0.0	500	08-Sep
PX16	84	253	22.00	31.8	20.6	0.0	0.00	112.3	17.6	0.0	0.0	500	09-Sep
PX16	84	254	21.50	31.4	20.1	46.0	0.00	86.4	21.5	0.0	0.0	500	10-Sep
PX16	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	500	11-Sep
PX16	84	256	22.30	38.4	20.7	0.0	0.00	77.8	20.8	0.0	0.0	500	12-Sep
PX16	84	257	22.10	32.5	19.4	0.0	0.00	77.8	17.3	0.0	0.0	500	13-Sep
PX16	84	258	21.80	33.8	20.6	0.0	0.00	69.1	17.0	0.0	0.0	500	14-Sep
PX16	84	259	23.10	34.8	22.2	1.0	0.00	155.5	13.2	0.0	0.0	500	15-Sep
PX16	84	260	23.10	33.9	20.7	0.0	0.00	95.0	13.8	0.0	0.0	500	16-Sep
PX16	84	261	19.30	33.7	21.3	0.0	0.00	77.8	13.9	0.0	0.0	500	17-Sep
PX16	84	262	22.20	35.1	20.3	0.0	0.00	121.0	12.5	0.0	0.0	500	18-Sep
PX16	84	263	21.70	33.6	19.6	0.0	0.00	95.0	12.9	0.0	0.0	500	19-Sep
PX16	84	264	21.50	33.7	19.9	0.0	0.00	112.3	11.4	0.0	0.0	500	20-Sep
PX16	84	265	18.80	32.5	19.9	2.0	0.00	121.0	13.5	0.0	0.0	500	21-Sep
PX16	84	266	20.90	31.4	18.7	0.0	0.00	138.2	14.1	0.0	0.0	500	22-Sep
PX16	84	267	19.60	31.5	19.7	0.0	0.00	121.0	13.4	0.0	0.0	500	23-Sep
PX16	84	268	3.70	30.1	18.8	0.0	0.00	86.4	13.0	0.0	0.0	500	24-Sep
PX16	84	269	3.90	24.3	17.6	8.0	0.00	69.1	17.9	0.0	0.0	500	25-Sep
PX16	84	270	20.10	20.0	16.4	20.0	0.00	17.3	16.9	0.0	0.0	500	26-Sep
PX16	84	271	20.60	27.0	14.7	0.0	0.00	17.3	17.0	0.0	0.0	500	27-Sep
PX16	84	272	20.00	29.4	16.7	0.0	0.00	25.9	15.2	0.0	0.0	500	28-Sep
PX16	84	273	14.20	29.6	16.0	0.0	0.00	51.8	15.2	0.0	0.0	500	29-Sep
PX16	84	274	17.60	27.6	16.5	0.0	0.00	146.9	13.6	0.0	0.0	500	30-Sep
PX16	84	275	18.60	28.5	17.3	0.0	0.00	86.4	12.4	0.0	0.0	500	01-Oct
PX16	84	276	18.60	26.7	15.2	0.0	0.00	86.4	12.2	0.0	0.0	500	02-Oct
PX16	84	277	18.70	26.7	15.2	5.0	0.00	77.8	12.2	0.0	0.0	500	03-Oct
PX16	84	278	18.90	23.4	10.9	0.0	0.00	69.1	13.7	0.0	0.0	500	04-Oct
PX16	84	279	19.00	26.5	11.5	0.0	0.00	69.1	11.0	0.0	0.0	500	05-Oct
PX16	84	280	19.00	29.9	12.6	0.0	0.00	60.5	12.0	0.0	0.0	500	06-Oct
PX16	84	281	19.10	31.0	13.4	0.0	0.00	51.8	10.0	0.0	0.0	500	07-Oct
PX16	84	282	18.70	31.9	13.2	0.0	0.00	51.8	8.5	0.0	0.0	500	08-Oct
PX16	84	283	18.20	30.9	14.1	0.0	0.00	60.5	8.8	0.0	0.0	500	09-Oct
PX16	84	284	17.70	30.0	14.0	0.0	0.00	86.4	8.8	0.0	0.0	500	10-Oct
PX16	84	285	14.30	28.5	15.8	0.0	0.00	60.5	13.7	0.0	0.0	500	11-Oct
PX16	84	286	17.60	27.9	16.1	0.0	0.00	60.5	13.4	0.0	0.0	500	12-Oct
PX16	84	287	16.60	28.0	12.8	0.0	0.00	112.3	9.5	0.0	0.0	500	13-Oct
PX16	84	288	17.80	28.5	12.8	0.0	0.00	69.1	7.5	0.0	0.0	500	14-Oct
PX16	84	289	14.80	25.4	13.0	0.0	0.00	164.2	5.1	0.0	0.0	500	15-Oct
PX16	84	290	17.20	22.1	8.2	0.0	0.00	103.7	0.9	0.0	0.0	500	16-Oct

FILENAME: _PX070407.W84_   WEATHER DATA FOR CO2=650, IRRIGATION=DRY, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX07	33.40	112.00	2.30	0 1 1	0 1				650	0.0

INSTW	IYR JUL	SOLRAD XTMAX	XTMIN	XPAR XRAIN	WIND	DEWPT	STMIN STMAX	CO2	A00
PX07	84 97	8.03 23.9	12.2	0.0 0.00	122.0	6.5	0.0 0.0	350	06-Apr
PX07	84 98	20.22 24.4	10.6	0.0 0.00	162.5	6.5	0.0 0.0	350	07-Apr
PX07	84 99	26.03 27.2	11.1	0.0 0.00	184.8	7.8	0.0 0.0	350	08-Apr
PX07	84 100	25.94 27.2	15.0	0.0 0.00	138.7	12.8	0.0 0.0	350	09-Apr
PX07	84 101	21.02 27.8	12.2	0.0 0.00	147.1	12.4	0.0 0.0	350	10-Apr
PX07	84 102	25.03 30.0	15.0	0.0 0.00	140.1	6.7	0.0 0.0	350	11-Apr
PX07	84 103	26.47 32.2	17.2	0.0 0.00	119.2	8.5	0.0 0.0	350	12-Apr
PX07	84 104	26.88 35.1	16.7	0.0 0.00	131.8	4.5	0.0 0.0	350	13-Apr
PX07	84 105	27.78 36.7	18.3	0.0 0.00	133.2	6.1	0.0 0.0	350	14-Apr
PX07	84 106	27.71 37.2	18.9	0.0 0.00	142.9	8.6	0.0 0.0	350	15-Apr
PX07	84 107	27.41 38.3	21.1	0.0 0.00	190.4	12.2	0.0 0.0	350	16-Apr
PX07	84 108	20.87 34.4	21.1	0.0 0.00	162.5	12.4	0.0 0.0	350	17-Apr
PX07	84 109	26.49 32.2	18.9	0.0 0.00	232.2	11.9	0.0 0.0	350	18-Apr
PX07	84 110	26.04 27.8	17.2	0.0 0.00	175.0	17.2	0.0 0.0	350	19-Apr
PX07	84 111	28.36 23.9	12.8	0.0 0.00	106.7	16.3	0.0 0.0	350	20-Apr
PX07	84 112	28.41 32.6	12.8	0.0 0.00	122.0	15.8	0.0 0.0	350	21-Apr
PX07	84 113	28.17 31.1	15.1	0.0 0.00	115.0	13.5	0.0 0.0	350	22-Apr
PX07	84 114	30.04 33.8	15.4	0.0 0.00	163.9	13.5	0.0 0.0	350	23-Apr
PX07	84 115	30.34 34.1	14.5	0.0 0.00	244.8	11.3	0.0 0.0	350	24-Apr
PX07	84 116	18.07 29.5	14.1	0.0 0.00	239.2	10.5	0.0 0.0	350	25-Apr
PX07	84 117	13.86 26.7	11.6	0.0 0.00	162.5	10.7	0.0 0.0	350	26-Apr
PX07	84 118	9.55 26.7	9.9	0.0 0.00	140.1	10.7	0.0 0.0	350	27-Apr
PX07	84 119	1.43 24.5	12.0	0.0 0.00	142.9	11.1	0.0 0.0	350	28-Apr
PX07	84 120	26.91 28.2	6.9	0.0 0.00	122.0	11.5	0.0 0.0	350	29-Apr
PX07	84 121	19.17 30.1	10.3	0.0 0.00	155.5	10.1	0.0 0.0	350	30-Apr
PX07	84 122	22.03 31.3	12.0	0.0 0.00	142.9	8.8	0.0 0.0	350	01-May
PX07	84 123	28.45 32.0	12.4	0.0 0.00	141.5	8.6	0.0 0.0	650	02-May
PX07	84 124	29.76 34.1	15.8	0.0 0.00	175.0	10.4	0.0 0.0	650	03-May
PX07	84 125	30.46 34.7	17.1	0.0 0.00	170.8	12.3	0.0 0.0	650	04-May
PX07	84 126	29.90 34.1	17.5	0.0 0.00	152.7	15.1	0.0 0.0	650	05-May
PX07	84 127	30.20 34.1	16.6	0.0 0.00	107.9	13.3	0.0 0.0	650	06-May
PX07	84 128	30.00 35.0	17.5	0.0 0.00	64.5	13.0	0.0 0.0	650	07-May
PX07	84 129	31.00 36.0	16.2	0.0 0.00	144.4	12.7	0.0 0.0	650	08-May
PX07	84 130	30.25 36.9	17.9	0.0 0.00	144.3	12.7	0.0 0.0	650	09-May
PX07	84 131	30.25 37.2	17.5	0.0 0.00	180.5	11.9	0.0 0.0	650	10-May
PX07	84 132	30.50 36.6	17.9	0.0 0.00	114.7	12.3	0.0 0.0	650	11-May
PX07	84 133	17.50 35.7	19.2	0.0 0.00	136.6	12.2	0.0 0.0	650	12-May
PX07	84 134	29.50 36.9	19.2	0.0 0.00	166.8	11.2	0.0 0.0	650	13-May
PX07	84 135	27.60 36.6	20.9	0.0 0.00	233.8	10.3	0.0 0.0	650	14-May
PX07	84 136	24.00 35.0	17.9	0.0 0.00	185.0	12.0	0.0 0.0	650	15-May
PX07	84 137	30.70 34.7	16.2	0.0 0.00	187.2	13.1	0.0 0.0	650	16-May
PX07	84 138	30.25 35.0	18.3	0.0 0.00	134.9	13.0	0.0 0.0	650	17-May
PX07	84 139	30.40 35.7	18.3	0.0 0.00	122.5	12.6	0.0 0.0	650	18-May
PX07	84 140	31.00 36.3	18.3	0.0 0.00	110.5	14.4	0.0 0.0	650	19-May
PX07	84 141	30.70 36.6	18.7	0.0 0.00	147.3	14.9	0.0 0.0	650	20-May
PX07	84 142	30.60 36.9	19.2	0.0 0.00	144.7	8.1	0.0 0.0	650	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	84	143	31.20	37.2	19.2	0.0	0.00	123.0	5.9	0.0	0.0	650	22-May
PX07	84	144	31.00	38.4	18.3	0.0	0.00	133.1	2.1	0.0	0.0	650	23-May
PX07	84	145	31.40	38.1	19.2	0.0	0.00	146.1	-2.2	0.0	0.0	650	24-May
PX07	84	146	31.60	38.1	19.2	0.0	0.00	140.2	5.3	0.0	0.0	650	25-May
PX07	84	147	31.20	38.4	18.7	0.0	0.00	149.4	5.8	0.0	0.0	650	26-May
PX07	84	148	31.60	38.8	19.6	0.0	0.00	149.0	4.8	0.0	0.0	650	27-May
PX07	84	149	31.80	40.0	19.6	0.0	0.00	152.7	4.3	0.0	0.0	650	28-May
PX07	84	150	27.40	39.1	22.5	0.0	0.00	224.6	10.4	0.0	0.0	650	29-May
PX07	84	151	22.30	37.7	24.2	0.0	0.00	181.4	11.8	0.0	0.0	650	30-May
PX07	84	152	29.20	35.7	19.8	0.0	0.00	112.3	14.6	0.0	0.0	650	31-May
PX07	84	153	30.70	36.0	21.6	0.0	0.00	164.2	8.8	0.0	0.0	650	01-Jun
PX07	84	154	30.60	36.9	19.6	0.0	0.00	181.4	6.7	0.0	0.0	650	02-Jun
PX07	84	155	31.40	36.9	21.9	0.0	0.00	190.1	1.3	0.0	0.0	650	03-Jun
PX07	84	156	26.70	35.1	18.1	0.0	0.00	181.4	7.4	0.0	0.0	650	04-Jun
PX07	84	157	25.30	32.0	17.8	0.0	0.00	138.2	7.5	0.0	0.0	650	05-Jun
PX07	84	158	29.40	34.0	17.6	0.0	0.00	181.4	6.2	0.0	0.0	650	06-Jun
PX07	84	159	31.40	33.1	19.2	0.0	0.00	155.5	5.4	0.0	0.0	650	07-Jun
PX07	84	160	30.80	34.7	17.1	0.0	0.00	129.6	3.9	0.0	0.0	650	08-Jun
PX07	84	161	30.90	36.7	15.9	0.0	0.00	65.0	1.9	0.0	0.0	650	09-Jun
PX07	84	162	30.80	39.3	19.3	0.0	0.00	198.7	1.9	0.0	0.0	650	10-Jun
PX07	84	163	30.90	37.4	17.6	0.0	0.00	190.1	2.1	0.0	0.0	650	11-Jun
PX07	84	164	31.60	39.0	16.2	0.0	0.00	190.1	3.4	0.0	0.0	650	12-Jun
PX07	84	165	31.80	39.1	17.2	0.0	0.00	155.5	3.6	0.0	0.0	650	13-Jun
PX07	84	166	31.30	39.2	19.1	0.0	0.00	164.2	2.9	0.0	0.0	650	14-Jun
PX07	84	167	32.00	39.1	17.8	0.0	0.00	112.3	5.1	0.0	0.0	650	15-Jun
PX07	84	168	31.70	37.6	18.8	0.0	0.00	112.3	-0.7	0.0	0.0	650	16-Jun
PX07	84	169	31.80	38.7	16.2	0.0	0.00	65.0	-1.7	0.0	0.0	650	17-Jun
PX07	84	170	30.90	39.9	17.5	0.0	0.00	112.3	2.1	0.0	0.0	650	18-Jun
PX07	84	171	30.60	40.3	21.3	0.0	0.00	112.3	5.0	0.0	0.0	650	19-Jun
PX07	84	172	31.90	37.5	19.2	0.0	0.00	138.2	4.1	0.0	0.0	650	20-Jun
PX07	84	173	31.70	38.2	17.6	0.0	0.00	164.2	5.0	0.0	0.0	650	21-Jun
PX07	84	174	31.00	34.4	18.0	0.0	0.00	112.3	9.4	0.0	0.0	650	22-Jun
PX07	84	175	29.60	36.0	18.2	0.0	0.00	103.7	9.3	0.0	0.0	650	23-Jun
PX07	84	176	23.20	36.4	20.7	0.0	0.00	103.7	13.0	0.0	0.0	650	24-Jun
PX07	84	177	24.00	33.6	20.6	4.0	0.00	146.9	18.5	0.0	0.0	650	25-Jun
PX07	84	178	29.70	36.1	23.8	0.0	0.00	103.7	18.8	0.0	0.0	650	26-Jun
PX07	84	179	23.70	37.3	25.2	0.0	0.00	65.0	17.3	0.0	0.0	650	27-Jun
PX07	84	180	29.80	38.2	22.4	0.0	0.00	164.2	18.1	0.0	0.0	650	28-Jun
PX07	84	181	29.40	36.1	22.6	3.0	0.00	164.2	18.4	0.0	0.0	650	29-Jun
PX07	84	182	18.30	33.3	23.8	1.0	0.00	103.7	17.9	0.0	0.0	650	30-Jun
PX07	84	183	25.30	36.3	19.4	0.0	0.00	129.6	17.3	0.0	0.0	650	01-Jul
PX07	84	184	22.80	35.6	22.0	0.0	0.00	129.6	17.3	0.0	0.0	650	02-Jul
PX07	84	185	20.30	37.4	24.8	0.0	0.00	129.6	15.2	0.0	0.0	650	03-Jul
PX07	84	186	30.80	39.1	26.1	0.0	0.00	138.2	15.0	0.0	0.0	650	04-Jul
PX07	84	187	29.90	38.9	26.4	0.0	0.00	103.7	14.6	0.0	0.0	650	05-Jul
PX07	84	188	28.40	38.8	26.1	0.0	0.00	138.2	15.2	0.0	0.0	650	06-Jul
PX07	84	189	29.70	37.1	23.8	0.0	0.00	146.9	15.7	0.0	0.0	650	07-Jul
PX07	84	190	28.50	34.9	25.7	0.0	0.00	198.7	16.7	0.0	0.0	650	08-Jul
PX07	84	191	29.90	37.3	24.6	0.0	0.00	138.2	16.4	0.0	0.0	650	09-Jul
PX07	84	192	29.30	39.2	25.6	0.0	0.00	155.5	14.9	0.0	0.0	650	10-Jul
PX07	84	193	24.80	32.4	25.3	0.0	0.00	129.6	16.1	0.0	0.0	650	11-Jul
PX07	84	194	23.80	33.2	21.9	0.0	0.00	129.6	17.8	0.0	0.0	650	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	84	195	22.50	32.5	21.5	5.0	0.00	129.6	19.1	0.0	0.0	650	13-Jul
PX07	84	196	28.50	35.1	22.4	0.0	0.00	146.9	19.6	0.0	0.0	650	14-Jul
PX07	84	197	29.60	32.5	23.7	0.0	0.00	181.4	19.2	0.0	0.0	650	15-Jul
PX07	84	198	28.80	33.8	23.7	0.0	0.00	190.1	18.4	0.0	0.0	650	16-Jul
PX07	84	199	24.60	32.9	22.5	1.0	0.00	146.9	18.7	0.0	0.0	650	17-Jul
PX07	84	200	21.50	31.0	21.1	9.0	0.00	129.6	19.9	0.0	0.0	650	18-Jul
PX07	84	201	18.90	32.3	21.8	0.0	0.00	121.0	18.4	0.0	0.0	650	19-Jul
PX07	84	202	23.10	31.8	20.2	3.0	0.00	138.2	18.8	0.0	0.0	650	20-Jul
PX07	84	203	16.50	27.8	18.5	34.0	0.00	65.0	19.6	0.0	0.0	650	21-Jul
PX07	84	204	16.60	28.1	21.6	0.0	0.00	103.7	20.1	0.0	0.0	650	22-Jul
PX07	84	205	29.60	31.2	20.4	0.0	0.00	86.4	19.8	0.0	0.0	650	23-Jul
PX07	84	206	25.50	33.4	23.1	0.0	0.00	69.1	18.5	0.0	0.0	650	24-Jul
PX07	84	207	23.60	35.3	24.3	0.0	0.00	95.0	16.2	0.0	0.0	650	25-Jul
PX07	84	208	26.90	33.9	21.8	0.0	0.00	112.3	15.1	0.0	0.0	650	26-Jul
PX07	84	209	18.00	31.2	18.3	0.0	0.00	112.3	17.7	0.0	0.0	650	27-Jul
PX07	84	210	26.50	34.4	19.1	100.0	0.00	65.0	17.3	0.0	0.0	650	28-Jul
PX07	84	211	25.80	29.9	20.9	0.0	0.00	77.8	19.9	0.0	0.0	650	29-Jul
PX07	84	212	26.90	30.8	21.9	0.0	0.00	69.1	18.8	0.0	0.0	650	30-Jul
PX07	84	213	23.70	32.1	23.1	0.0	0.00	86.4	19.3	0.0	0.0	650	31-Jul
PX07	84	214	26.90	32.7	22.1	0.0	0.00	95.0	16.3	0.0	0.0	650	01-Aug
PX07	84	215	24.50	32.3	21.2	0.0	0.00	60.5	15.7	0.0	0.0	650	02-Aug
PX07	84	216	27.60	38.9	20.0	0.0	0.00	77.8	15.9	0.0	0.0	650	03-Aug
PX07	84	217	27.60	40.5	22.5	0.0	0.00	121.0	16.7	0.0	0.0	650	04-Aug
PX07	84	218	26.80	35.1	22.6	0.0	0.00	103.7	16.4	0.0	0.0	650	05-Aug
PX07	84	219	27.70	37.7	23.2	0.0	0.00	112.3	15.0	0.0	0.0	650	06-Aug
PX07	84	220	26.60	37.5	20.1	0.0	0.00	112.3	15.5	0.0	0.0	650	07-Aug
PX07	84	221	27.10	32.8	20.6	0.0	0.00	129.6	18.4	0.0	0.0	650	08-Aug
PX07	84	222	21.50	30.5	20.9	5.0	0.00	138.2	19.4	0.0	0.0	650	09-Aug
PX07	84	223	24.70	30.3	21.1	0.0	0.00	95.0	19.8	0.0	0.0	650	10-Aug
PX07	84	224	12.40	30.5	22.6	0.0	0.00	121.0	20.1	0.0	0.0	650	11-Aug
PX07	84	225	26.30	33.1	21.7	0.0	0.00	86.4	19.3	0.0	0.0	650	12-Aug
PX07	84	226	26.60	31.4	23.6	0.0	0.00	138.2	20.3	0.0	0.0	650	13-Aug
PX07	84	227	20.30	30.8	19.7	2.0	0.00	112.3	19.7	0.0	0.0	650	14-Aug
PX07	84	228	23.80	32.1	22.4	0.0	0.00	86.4	20.2	0.0	0.0	650	15-Aug
PX07	84	229	23.60	33.5	23.1	0.0	0.00	112.3	19.3	0.0	0.0	650	16-Aug
PX07	84	230	22.00	33.2	21.8	0.0	0.00	112.3	19.1	0.0	0.0	650	17-Aug
PX07	84	231	21.30	21.6	20.1	0.0	0.00	95.0	17.8	0.0	0.0	650	18-Aug
PX07	84	232	21.50	30.7	21.6	0.0	0.00	112.3	18.7	0.0	0.0	650	19-Aug
PX07	84	233	22.30	32.0	20.4	0.0	0.00	95.0	18.0	0.0	0.0	650	20-Aug
PX07	84	234	25.50	34.0	21.0	0.0	0.00	86.4	16.0	0.0	0.0	650	21-Aug
PX07	84	235	19.50	35.0	21.5	0.0	0.00	121.0	15.0	0.0	0.0	650	22-Aug
PX07	84	236	14.30	30.8	22.6	2.0	0.00	86.4	16.0	0.0	0.0	650	23-Aug
PX07	84	237	24.70	35.5	19.7	0.0	0.00	112.3	15.6	0.0	0.0	650	24-Aug
PX07	84	238	23.10	35.1	20.1	0.0	0.00	86.4	15.9	0.0	0.0	650	25-Aug
PX07	84	239	25.30	36.6	22.5	0.0	0.00	69.1	15.5	0.0	0.0	650	26-Aug
PX07	84	240	22.30	37.1	20.7	0.0	0.00	51.8	15.1	0.0	0.0	650	27-Aug
PX07	84	241	24.80	37.0	24.0	0.0	0.00	0.0	16.4	0.0	0.0	650	28-Aug
PX07	84	242	25.30	39.8	22.4	0.0	0.00	0.0	14.5	0.0	0.0	650	29-Aug
PX07	84	243	25.00	35.8	22.0	0.0	0.00	17.3	15.3	0.0	0.0	650	30-Aug
PX07	84	244	21.30	33.6	22.5	0.0	0.00	51.8	16.7	0.0	0.0	650	31-Aug
PX07	84	245	24.10	33.0	19.3	20.0	0.00	60.5	18.9	0.0	0.0	650	01-Sep
PX07	84	246	24.10	33.6	18.2	0.0	0.00	17.3	20.8	0.0	0.0	650	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	84	247	24.50	34.7	21.6	0.0	0.00	77.8	19.6	0.0	0.0	650	03-Sep
PX07	84	248	24.80	35.5	21.8	0.0	0.00	138.2	14.0	0.0	0.0	650	04-Sep
PX07	84	249	26.10	34.6	17.1	0.0	0.00	138.2	6.7	0.0	0.0	650	05-Sep
PX07	84	250	25.40	33.0	16.1	0.0	0.00	95.0	8.8	0.0	0.0	650	06-Sep
PX07	84	251	24.10	33.5	16.3	0.0	0.00	86.4	11.3	0.0	0.0	650	07-Sep
PX07	84	252	23.90	33.6	20.5	0.0	0.00	86.4	16.9	0.0	0.0	650	08-Sep
PX07	84	253	22.00	33.4	20.2	0.0	0.00	112.3	17.8	0.0	0.0	650	09-Sep
PX07	84	254	21.50	32.6	20.1	46.0	0.00	86.4	21.5	0.0	0.0	650	10-Sep
PX07	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	650	11-Sep
PX07	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	650	12-Sep
PX07	84	257	22.10	32.4	19.3	0.0	0.00	77.8	17.9	0.0	0.0	650	13-Sep
PX07	84	258	21.80	33.3	20.2	0.0	0.00	69.1	17.6	0.0	0.0	650	14-Sep
PX07	84	259	23.10	35.4	22.0	1.0	0.00	155.5	12.8	0.0	0.0	650	15-Sep
PX07	84	260	23.10	34.4	20.1	0.0	0.00	95.0	13.3	0.0	0.0	650	16-Sep
PX07	84	261	19.30	35.1	20.9	0.0	0.00	77.8	13.1	0.0	0.0	650	17-Sep
PX07	84	262	22.20	36.6	20.2	0.0	0.00	121.0	11.5	0.0	0.0	650	18-Sep
PX07	84	263	21.70	36.0	19.3	0.0	0.00	95.0	12.1	0.0	0.0	650	19-Sep
PX07	84	264	21.50	36.2	19.9	0.0	0.00	112.3	11.0	0.0	0.0	650	20-Sep
PX07	84	265	18.80	34.9	20.1	2.0	0.00	121.0	13.3	0.0	0.0	650	21-Sep
PX07	84	266	20.90	33.8	18.6	0.0	0.00	138.2	13.7	0.0	0.0	650	22-Sep
PX07	84	267	19.60	33.8	20.1	0.0	0.00	121.0	13.1	0.0	0.0	650	23-Sep
PX07	84	268	3.70	33.2	18.9	0.0	0.00	86.4	12.4	0.0	0.0	650	24-Sep
PX07	84	269	3.90	24.5	18.3	8.0	0.00	69.1	17.7	0.0	0.0	650	25-Sep
PX07	84	270	20.10	20.0	16.4	20.0	0.00	17.3	16.7	0.0	0.0	650	26-Sep
PX07	84	271	20.60	28.8	14.7	0.0	0.00	17.3	16.8	0.0	0.0	650	27-Sep
PX07	84	272	20.00	30.9	16.6	0.0	0.00	25.9	14.8	0.0	0.0	650	28-Sep
PX07	84	273	14.20	31.9	15.8	0.0	0.00	51.8	14.6	0.0	0.0	650	29-Sep
PX07	84	274	17.60	29.4	16.3	0.0	0.00	146.9	13.1	0.0	0.0	650	30-Sep
PX07	84	275	18.60	30.7	17.7	0.0	0.00	86.4	11.4	0.0	0.0	650	01-Oct
PX07	84	276	18.60	29.7	15.4	0.0	0.00	86.4	11.4	0.0	0.0	650	02-Oct
PX07	84	277	18.70	29.7	15.4	5.0	0.00	77.8	11.4	0.0	0.0	650	03-Oct
PX07	84	278	18.90	26.5	11.3	0.0	0.00	69.1	12.2	0.0	0.0	650	04-Oct
PX07	84	279	19.00	32.9	16.4	0.0	0.00	69.1	11.0	0.0	0.0	650	05-Oct
PX07	84	280	19.00	30.2	12.2	0.0	0.00	60.5	9.8	0.0	0.0	650	06-Oct
PX07	84	281	19.10	21.9	13.1	0.0	0.00	51.8	9.2	0.0	0.0	650	07-Oct
PX07	84	282	18.70	33.2	13.2	0.0	0.00	51.8	8.0	0.0	0.0	650	08-Oct
PX07	84	283	18.20	33.1	14.0	0.0	0.00	60.5	8.4	0.0	0.0	650	09-Oct
PX07	84	284	17.70	32.3	13.9	0.0	0.00	86.4	9.0	0.0	0.0	650	10-Oct
PX07	84	285	14.30	31.2	15.8	0.0	0.00	60.5	13.4	0.0	0.0	650	11-Oct
PX07	84	286	17.60	30.4	16.3	0.0	0.00	60.5	13.0	0.0	0.0	650	12-Oct
PX07	84	287	16.60	30.6	13.1	0.0	0.00	112.3	9.0	0.0	0.0	650	13-Oct
PX07	84	288	17.80	30.2	12.7	0.0	0.00	69.1	7.3	0.0	0.0	650	14-Oct
PX07	84	289	14.80	27.0	12.5	0.0	0.00	164.2	4.6	0.0	0.0	650	15-Oct
PX07	84	290	17.20	23.8	7.7	0.0	0.00	103.7	0.6	0.0	0.0	650	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR WINDYR
PX09	33.40	112.00	2.30	0 1 1 0 1	650 0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	84 97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX09	84 98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX09	84 99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX09	84 100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX09	84 101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX09	84 102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX09	84 103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX09	84 104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX09	84 105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX09	84 106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX09	84 107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX09	84 108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX09	84 109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX09	84 110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX09	84 111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX09	84 112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX09	84 113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX09	84 114	30.04	33.8	15.4	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX09	84 115	30.34	34.0	14.5	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX09	84 116	18.07	29.9	14.0	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX09	84 117	13.86	27.5	11.0	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX09	84 118	9.55	27.5	9.1	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX09	84 119	1.43	25.6	11.5	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX09	84 120	26.91	28.9	5.6	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX09	84 121	19.17	30.5	9.5	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX09	84 122	22.03	31.6	11.5	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX09	84 123	28.45	32.1	12.0	0.0	0.00	141.5	8.6	0.0	0.0	650	02-May
PX09	84 124	29.76	34.0	15.9	0.0	0.00	175.0	10.4	0.0	0.0	650	03-May
PX09	84 125	30.46	34.6	17.4	0.0	0.00	170.8	12.3	0.0	0.0	650	04-May
PX09	84 126	29.90	34.0	17.9	0.0	0.00	152.7	15.1	0.0	0.0	650	05-May
PX09	84 127	30.20	34.0	16.9	0.0	0.00	107.9	13.3	0.0	0.0	650	06-May
PX09	84 128	30.00	34.8	17.9	0.0	0.00	64.5	13.0	0.0	0.0	650	07-May
PX09	84 129	31.00	35.7	16.4	0.0	0.00	144.4	12.7	0.0	0.0	650	08-May
PX09	84 130	30.25	36.5	18.4	0.0	0.00	144.3	12.7	0.0	0.0	650	09-May
PX09	84 131	30.25	36.8	17.9	0.0	0.00	180.5	11.9	0.0	0.0	650	10-May
PX09	84 132	30.50	36.2	18.4	0.0	0.00	114.7	12.3	0.0	0.0	650	11-May
PX09	84 133	17.50	35.4	19.8	0.0	0.00	136.6	12.2	0.0	0.0	650	12-May
PX09	84 134	29.50	36.5	19.8	0.0	0.00	166.8	11.2	0.0	0.0	650	13-May
PX09	84 135	27.60	36.2	21.8	0.0	0.00	233.8	10.3	0.0	0.0	650	14-May
PX09	84 136	24.00	34.8	18.4	0.0	0.00	185.0	12.0	0.0	0.0	650	15-May
PX09	84 137	30.70	34.6	16.4	0.0	0.00	187.2	13.1	0.0	0.0	650	16-May
PX09	84 138	30.25	34.8	18.8	0.0	0.00	134.9	13.0	0.0	0.0	650	17-May
PX09	84 139	30.40	35.4	18.8	0.0	0.00	122.5	12.6	0.0	0.0	650	18-May
PX09	84 140	31.00	35.9	18.8	0.0	0.00	110.5	14.4	0.0	0.0	650	19-May
PX09	84 141	30.70	36.2	19.3	0.0	0.00	147.3	14.9	0.0	0.0	650	20-May
PX09	84 142	30.60	36.5	19.8	0.0	0.00	144.7	8.1	0.0	0.0	650	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	84	143	31.20	36.8	19.8	0.0	0.00	123.0	5.9	0.0	0.0	650	22-May
PX09	84	144	31.00	37.8	18.8	0.0	0.00	133.1	2.1	0.0	0.0	650	23-May
PX09	84	145	31.40	37.6	19.8	0.0	0.00	146.1	-2.2	0.0	0.0	650	24-May
PX09	84	146	31.60	37.6	19.8	0.0	0.00	140.2	5.3	0.0	0.0	650	25-May
PX09	84	147	31.20	37.8	19.3	0.0	0.00	149.4	5.8	0.0	0.0	650	26-May
PX09	84	148	31.60	38.1	20.3	0.0	0.00	149.0	4.8	0.0	0.0	650	27-May
PX09	84	149	31.80	39.2	20.3	0.0	0.00	152.7	4.3	0.0	0.0	650	28-May
PX09	84	150	27.40	38.4	23.7	0.0	0.00	224.6	8.8	0.0	0.0	650	29-May
PX09	84	151	22.30	37.4	24.4	0.0	0.00	181.4	8.9	0.0	0.0	650	30-May
PX09	84	152	29.20	35.8	19.9	0.0	0.00	112.3	9.3	0.0	0.0	650	31-May
PX09	84	153	30.70	36.2	21.9	0.0	0.00	164.2	7.7	0.0	0.0	650	01-Jun
PX09	84	154	30.60	36.5	20.3	0.0	0.00	181.4	6.5	0.0	0.0	650	02-Jun
PX09	84	155	31.40	36.4	21.9	0.0	0.00	190.1	8.8	0.0	0.0	650	03-Jun
PX09	84	156	26.70	34.7	18.6	0.0	0.00	181.4	12.9	0.0	0.0	650	04-Jun
PX09	84	157	25.30	32.5	18.2	0.0	0.00	138.2	6.7	0.0	0.0	650	05-Jun
PX09	84	158	29.40	33.5	18.1	0.0	0.00	181.4	5.9	0.0	0.0	650	06-Jun
PX09	84	159	31.40	32.8	19.4	0.0	0.00	155.5	5.1	0.0	0.0	650	07-Jun
PX09	84	160	30.80	34.6	17.5	0.0	0.00	129.6	7.4	0.0	0.0	650	08-Jun
PX09	84	161	30.90	36.6	16.7	0.0	0.00	65.0	8.6	0.0	0.0	650	09-Jun
PX09	84	162	30.80	39.0	19.7	0.0	0.00	198.7	9.3	0.0	0.0	650	10-Jun
PX09	84	163	30.90	37.3	17.9	0.0	0.00	190.1	8.5	0.0	0.0	650	11-Jun
PX09	84	164	31.60	38.3	16.8	0.0	0.00	190.1	8.6	0.0	0.0	650	12-Jun
PX09	84	165	31.80	38.5	17.8	0.0	0.00	155.5	12.1	0.0	0.0	650	13-Jun
PX09	84	166	31.30	38.9	19.5	0.0	0.00	164.2	14.1	0.0	0.0	650	14-Jun
PX09	84	167	32.00	38.6	18.9	0.0	0.00	112.3	14.8	0.0	0.0	650	15-Jun
PX09	84	168	31.70	37.0	18.6	0.0	0.00	112.3	13.6	0.0	0.0	650	16-Jun
PX09	84	169	31.80	38.5	17.2	0.0	0.00	65.0	6.2	0.0	0.0	650	17-Jun
PX09	84	170	30.90	39.1	18.6	0.0	0.00	112.3	9.5	0.0	0.0	650	18-Jun
PX09	84	171	30.60	40.2	21.8	0.0	0.00	112.3	8.6	0.0	0.0	650	19-Jun
PX09	84	172	31.90	37.0	19.8	0.0	0.00	138.2	5.0	0.0	0.0	650	20-Jun
PX09	84	173	31.70	37.4	18.0	0.0	0.00	164.2	5.4	0.0	0.0	650	21-Jun
PX09	84	174	31.00	34.0	18.7	0.0	0.00	112.3	7.4	0.0	0.0	650	22-Jun
PX09	84	175	29.60	35.1	19.2	0.0	0.00	103.7	6.7	0.0	0.0	650	23-Jun
PX09	84	176	23.20	35.8	21.8	0.0	0.00	103.7	11.0	0.0	0.0	650	24-Jun
PX09	84	177	24.00	32.9	21.8	4.0	0.00	146.9	18.1	0.0	0.0	650	25-Jun
PX09	84	178	29.70	35.3	24.5	0.0	0.00	103.7	17.6	0.0	0.0	650	26-Jun
PX09	84	179	23.70	36.8	25.9	0.0	0.00	65.0	17.4	0.0	0.0	650	27-Jun
PX09	84	180	29.80	37.1	23.1	0.0	0.00	164.2	16.7	0.0	0.0	650	28-Jun
PX09	84	181	29.40	35.3	23.2	3.0	0.00	164.2	17.7	0.0	0.0	650	29-Jun
PX09	84	182	18.30	33.3	23.9	1.0	0.00	103.7	16.9	0.0	0.0	650	30-Jun
PX09	84	183	25.30	35.4	20.8	0.0	0.00	129.6	25.0	0.0	0.0	650	01-Jul
PX09	84	184	22.80	34.9	22.1	0.0	0.00	129.6	18.7	0.0	0.0	650	02-Jul
PX09	84	185	20.30	36.7	25.0	0.0	0.00	129.6	15.3	0.0	0.0	650	03-Jul
PX09	84	186	30.80	38.9	26.4	0.0	0.00	138.2	17.5	0.0	0.0	650	04-Jul
PX09	84	187	29.90	38.9	26.9	0.0	0.00	103.7	19.5	0.0	0.0	650	05-Jul
PX09	84	188	28.40	39.2	26.7	0.0	0.00	138.2	14.7	0.0	0.0	650	06-Jul
PX09	84	189	29.70	37.6	24.1	0.0	0.00	146.9	15.1	0.0	0.0	650	07-Jul
PX09	84	190	28.50	36.1	26.1	0.0	0.00	198.7	16.7	0.0	0.0	650	08-Jul
PX09	84	191	29.90	38.2	24.4	0.0	0.00	138.2	21.4	0.0	0.0	650	09-Jul
PX09	84	192	29.30	40.2	26.1	0.0	0.00	155.5	14.7	0.0	0.0	650	10-Jul
PX09	84	193	24.80	32.8	25.7	0.0	0.00	129.6	15.9	0.0	0.0	650	11-Jul
PX09	84	194	23.80	33.6	22.1	0.0	0.00	129.6	17.8	0.0	0.0	650	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	84	195	22.50	32.3	21.5	5.0	0.00	129.6	19.0	0.0	0.0	650	13-Jul
PX09	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.2	0.0	0.0	650	14-Jul
PX09	84	197	29.60	33.1	24.0	0.0	0.00	181.4	19.3	0.0	0.0	650	15-Jul
PX09	84	198	28.80	34.8	24.2	0.0	0.00	190.1	18.4	0.0	0.0	650	16-Jul
PX09	84	199	24.60	33.9	22.7	1.0	0.00	146.9	23.0	0.0	0.0	650	17-Jul
PX09	84	200	21.50	31.0	21.1	9.0	0.00	129.6	20.1	0.0	0.0	650	18-Jul
PX09	84	201	18.90	33.6	22.2	0.0	0.00	121.0	18.2	0.0	0.0	650	19-Jul
PX09	84	202	23.10	33.0	20.4	3.0	0.00	138.2	18.7	0.0	0.0	650	20-Jul
PX09	84	203	16.50	36.3	18.7	34.0	0.00	65.0	21.2	0.0	0.0	650	21-Jul
PX09	84	204	16.60	28.8	21.8	0.0	0.00	103.7	20.7	0.0	0.0	650	22-Jul
PX09	84	205	29.60	31.9	21.0	0.0	0.00	86.4	19.9	0.0	0.0	650	23-Jul
PX09	84	206	25.50	34.8	23.7	0.0	0.00	69.1	18.4	0.0	0.0	650	24-Jul
PX09	84	207	23.60	36.9	25.0	0.0	0.00	95.0	16.0	0.0	0.0	650	25-Jul
PX09	84	208	26.90	35.6	22.4	0.0	0.00	112.3	14.9	0.0	0.0	650	26-Jul
PX09	84	209	18.00	32.9	22.2	0.0	0.00	112.3	17.7	0.0	0.0	650	27-Jul
PX09	84	210	26.50	34.4	19.1	100.0	0.00	65.0	17.3	0.0	0.0	650	28-Jul
PX09	84	211	25.80	30.7	21.1	0.0	0.00	77.8	19.7	0.0	0.0	650	29-Jul
PX09	84	212	26.90	31.9	22.2	0.0	0.00	69.1	18.5	0.0	0.0	650	30-Jul
PX09	84	213	23.70	33.4	24.0	0.0	0.00	86.4	18.9	0.0	0.0	650	31-Jul
PX09	84	214	26.90	34.2	23.1	0.0	0.00	95.0	15.8	0.0	0.0	650	01-Aug
PX09	84	215	24.50	34.3	22.0	0.0	0.00	60.5	15.0	0.0	0.0	650	02-Aug
PX09	84	216	27.60	36.4	22.5	0.0	0.00	77.8	14.7	0.0	0.0	650	03-Aug
PX09	84	217	27.60	38.6	23.3	0.0	0.00	121.0	14.1	0.0	0.0	650	04-Aug
PX09	84	218	26.80	37.4	23.6	0.0	0.00	103.7	15.3	0.0	0.0	650	05-Aug
PX09	84	219	27.70	38.9	24.3	0.0	0.00	112.3	14.1	0.0	0.0	650	06-Aug
PX09	84	220	26.60	38.6	23.7	0.0	0.00	112.3	13.4	0.0	0.0	650	07-Aug
PX09	84	221	27.10	34.1	21.3	0.0	0.00	129.6	16.7	0.0	0.0	650	08-Aug
PX09	84	222	21.50	31.5	21.2	5.0	0.00	138.2	21.0	0.0	0.0	650	09-Aug
PX09	84	223	24.70	30.5	21.2	0.0	0.00	95.0	19.7	0.0	0.0	650	10-Aug
PX09	84	224	12.40	30.9	23.4	0.0	0.00	121.0	19.7	0.0	0.0	650	11-Aug
PX09	84	225	26.30	33.7	22.3	0.0	0.00	86.4	18.8	0.0	0.0	650	12-Aug
PX09	84	226	26.60	32.6	24.2	0.0	0.00	138.2	19.7	0.0	0.0	650	13-Aug
PX09	84	227	20.30	32.0	20.3	2.0	0.00	112.3	19.2	0.0	0.0	650	14-Aug
PX09	84	228	23.80	33.1	23.2	0.0	0.00	86.4	19.6	0.0	0.0	650	15-Aug
PX09	84	229	23.60	34.1	24.0	0.0	0.00	112.3	18.7	0.0	0.0	650	16-Aug
PX09	84	230	22.00	34.3	22.6	0.0	0.00	112.3	18.4	0.0	0.0	650	17-Aug
PX09	84	231	21.30	33.0	21.1	0.0	0.00	95.0	17.4	0.0	0.0	650	18-Aug
PX09	84	232	21.50	31.2	20.6	0.0	0.00	112.3	18.9	0.0	0.0	650	19-Aug
PX09	84	233	22.30	32.9	21.2	0.0	0.00	95.0	17.4	0.0	0.0	650	20-Aug
PX09	84	234	25.50	34.9	21.6	0.0	0.00	86.4	15.4	0.0	0.0	650	21-Aug
PX09	84	235	19.50	35.3	22.6	0.0	0.00	121.0	14.4	0.0	0.0	650	22-Aug
PX09	84	236	14.30	31.1	23.2	2.0	0.00	86.4	15.7	0.0	0.0	650	23-Aug
PX09	84	237	24.70	35.9	20.5	0.0	0.00	112.3	14.9	0.0	0.0	650	24-Aug
PX09	84	238	23.10	35.7	20.8	0.0	0.00	86.4	15.4	0.0	0.0	650	25-Aug
PX09	84	239	25.30	37.3	23.5	0.0	0.00	69.1	14.7	0.0	0.0	650	26-Aug
PX09	84	240	22.30	37.5	21.3	0.0	0.00	51.8	14.5	0.0	0.0	650	27-Aug
PX09	84	241	24.80	37.6	24.7	0.0	0.00	0.0	15.8	0.0	0.0	650	28-Aug
PX09	84	242	25.30	40.1	23.5	0.0	0.00	0.0	13.9	0.0	0.0	650	29-Aug
PX09	84	243	25.00	34.0	24.0	0.0	0.00	17.3	14.3	0.0	0.0	650	30-Aug
PX09	84	244	21.30	34.0	24.0	0.0	0.00	51.8	15.9	0.0	0.0	650	31-Aug
PX09	84	245	24.10	32.9	18.8	20.0	0.00	60.5	18.4	0.0	0.0	650	01-Sep
PX09	84	246	24.10	31.5	19.2	0.0	0.00	17.3	20.4	0.0	0.0	650	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	84	247	24.50	35.3	21.1	0.0	0.00	77.8	21.3	0.0	0.0	650	03-Sep
PX09	84	248	24.80	34.2	19.9	0.0	0.00	138.2	18.0	0.0	0.0	650	04-Sep
PX09	84	249	26.10	35.3	16.1	0.0	0.00	138.2	6.4	0.0	0.0	650	05-Sep
PX09	84	250	25.40	34.3	16.5	0.0	0.00	95.0	6.1	0.0	0.0	650	06-Sep
PX09	84	251	24.10	33.2	17.2	0.0	0.00	86.4	10.3	0.0	0.0	650	07-Sep
PX09	84	252	23.90	33.4	21.0	0.0	0.00	86.4	16.4	0.0	0.0	650	08-Sep
PX09	84	253	22.00	33.1	21.0	0.0	0.00	112.3	17.4	0.0	0.0	650	09-Sep
PX09	84	254	21.50	32.4	20.1	46.0	0.00	86.4	21.3	0.0	0.0	650	10-Sep
PX09	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	650	11-Sep
PX09	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.2	0.0	0.0	650	12-Sep
PX09	84	257	22.10	32.7	19.5	0.0	0.00	77.8	17.3	0.0	0.0	650	13-Sep
PX09	84	258	21.80	33.5	20.9	0.0	0.00	69.1	16.9	0.0	0.0	650	14-Sep
PX09	84	259	23.10	35.9	22.3	1.0	0.00	155.5	12.2	0.0	0.0	650	15-Sep
PX09	84	260	23.10	35.1	21.3	0.0	0.00	95.0	13.4	0.0	0.0	650	16-Sep
PX09	84	261	19.30	35.7	21.8	0.0	0.00	77.8	12.2	0.0	0.0	650	17-Sep
PX09	84	262	22.20	37.3	20.9	0.0	0.00	121.0	10.9	0.0	0.0	650	18-Sep
PX09	84	263	21.70	36.1	20.2	0.0	0.00	95.0	11.4	0.0	0.0	650	19-Sep
PX09	84	264	21.50	35.9	20.4	0.0	0.00	112.3	10.0	0.0	0.0	650	20-Sep
PX09	84	265	18.80	34.8	20.8	2.0	0.00	121.0	12.7	0.0	0.0	650	21-Sep
PX09	84	266	20.90	33.8	19.1	0.0	0.00	138.2	13.2	0.0	0.0	650	22-Sep
PX09	84	267	19.60	34.0	20.8	0.0	0.00	121.0	12.5	0.0	0.0	650	23-Sep
PX09	84	268	3.70	33.6	19.5	0.0	0.00	86.4	11.9	0.0	0.0	650	24-Sep
PX09	84	269	3.90	24.7	18.4	8.0	0.00	69.1	17.7	0.0	0.0	650	25-Sep
PX09	84	270	20.10	20.1	16.6	20.0	0.00	17.3	16.8	0.0	0.0	650	26-Sep
PX09	84	271	20.60	28.6	15.0	0.0	0.00	17.3	16.4	0.0	0.0	650	27-Sep
PX09	84	272	20.00	30.6	16.9	0.0	0.00	25.9	14.4	0.0	0.0	650	28-Sep
PX09	84	273	14.20	31.7	16.4	0.0	0.00	51.8	14.2	0.0	0.0	650	29-Sep
PX09	84	274	17.60	29.7	17.0	0.0	0.00	146.9	12.4	0.0	0.0	650	30-Sep
PX09	84	275	18.60	30.3	18.1	0.0	0.00	86.4	11.2	0.0	0.0	650	01-Oct
PX09	84	276	18.60	29.1	15.7	0.0	0.00	86.4	11.3	0.0	0.0	650	02-Oct
PX09	84	277	18.70	29.1	15.7	5.0	0.00	77.8	11.3	0.0	0.0	650	03-Oct
PX09	84	278	18.90	25.9	11.5	0.0	0.00	69.1	12.0	0.0	0.0	650	04-Oct
PX09	84	279	19.00	32.9	16.4	0.0	0.00	69.1	11.1	0.0	0.0	650	05-Oct
PX09	84	280	19.00	29.4	12.4	0.0	0.00	60.5	9.3	0.0	0.0	650	06-Oct
PX09	84	281	19.10	31.8	13.3	0.0	0.00	51.8	8.6	0.0	0.0	650	07-Oct
PX09	84	282	18.70	32.6	13.9	0.0	0.00	51.8	7.5	0.0	0.0	650	08-Oct
PX09	84	283	18.20	32.2	14.5	0.0	0.00	60.5	7.5	0.0	0.0	650	09-Oct
PX09	84	284	17.70	31.1	14.7	0.0	0.00	86.4	8.4	0.0	0.0	650	10-Oct
PX09	84	285	14.30	30.5	16.2	0.0	0.00	60.5	13.2	0.0	0.0	650	11-Oct
PX09	84	286	17.60	28.8	16.6	0.0	0.00	60.5	12.8	0.0	0.0	650	12-Oct
PX09	84	287	16.60	29.6	13.3	0.0	0.00	112.3	8.8	0.0	0.0	650	13-Oct
PX09	84	288	17.80	29.9	13.0	0.0	0.00	69.1	6.7	0.0	0.0	650	14-Oct
PX09	84	289	14.80	27.0	12.7	0.0	0.00	164.2	4.3	0.0	0.0	650	15-Oct
PX09	84	290	17.20	23.3	7.8	0.0	0.00	103.7	0.6	0.0	0.0	650	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓				CO2YR	WINDYR
PX04	33.40	112.00	2.30	0	1	1	0 1	650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	84	97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX04	84	98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX04	84	99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX04	84	100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX04	84	101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX04	84	102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX04	84	103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX04	84	104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX04	84	105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX04	84	106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX04	84	107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX04	84	108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX04	84	109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX04	84	110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX04	84	111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX04	84	112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX04	84	113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX04	84	114	30.04	34.1	13.8	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX04	84	115	30.34	34.4	12.6	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX04	84	116	18.07	29.9	12.0	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX04	84	117	13.86	27.3	8.5	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX04	84	118	9.55	27.3	6.2	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX04	84	119	1.43	25.2	9.1	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX04	84	120	26.91	28.7	2.1	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX04	84	121	19.17	30.5	6.8	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX04	84	122	22.03	31.7	9.1	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX04	84	123	28.45	32.3	9.7	0.0	0.00	141.5	8.6	0.0	0.0	650	02-May
PX04	84	124	29.76	34.4	14.4	0.0	0.00	175.0	10.4	0.0	0.0	650	03-May
PX04	84	125	30.46	35.0	16.1	0.0	0.00	170.8	12.3	0.0	0.0	650	04-May
PX04	84	126	29.90	34.4	16.7	0.0	0.00	152.7	15.1	0.0	0.0	650	05-May
PX04	84	127	30.20	34.4	15.5	0.0	0.00	107.9	13.3	0.0	0.0	650	06-May
PX04	84	128	30.00	35.3	16.7	0.0	0.00	64.5	13.0	0.0	0.0	650	07-May
PX04	84	129	31.00	36.2	14.9	0.0	0.00	144.4	12.7	0.0	0.0	650	08-May
PX04	84	130	30.25	37.1	17.3	0.0	0.00	144.3	12.7	0.0	0.0	650	09-May
PX04	84	131	30.25	37.4	16.7	0.0	0.00	180.5	11.9	0.0	0.0	650	10-May
PX04	84	132	30.50	36.8	17.3	0.0	0.00	114.7	12.3	0.0	0.0	650	11-May
PX04	84	133	17.50	35.9	19.0	0.0	0.00	136.6	12.2	0.0	0.0	650	12-May
PX04	84	134	29.50	37.1	19.0	0.0	0.00	166.8	11.2	0.0	0.0	650	13-May
PX04	84	135	27.60	36.8	21.3	0.0	0.00	233.8	10.3	0.0	0.0	650	14-May
PX04	84	136	24.00	34.4	16.7	0.0	0.00	185.0	12.0	0.0	0.0	650	15-May
PX04	84	137	30.70	34.4	15.5	0.0	0.00	187.2	13.1	0.0	0.0	650	16-May
PX04	84	138	30.25	35.3	17.9	0.0	0.00	134.9	13.0	0.0	0.0	650	17-May
PX04	84	139	30.40	35.9	17.9	0.0	0.00	122.5	12.6	0.0	0.0	650	18-May
PX04	84	140	31.00	36.5	17.9	0.0	0.00	110.5	14.4	0.0	0.0	650	19-May
PX04	84	141	36.80	36.8	18.4	0.0	0.00	147.3	14.9	0.0	0.0	650	20-May
PX04	84	142	30.60	37.1	19.0	0.0	0.00	144.7	8.1	0.0	0.0	650	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	84	143	31.20	37.4	19.0	0.0	0.00	123.0	5.9	0.0	0.0	650	22-May
PX04	84	144	31.00	38.6	17.9	0.0	0.00	133.1	2.1	0.0	0.0	650	23-May
PX04	84	145	31.40	38.3	19.0	0.0	0.00	146.1	-2.2	0.0	0.0	650	24-May
PX04	84	146	31.60	38.3	19.0	0.0	0.00	140.2	5.3	0.0	0.0	650	25-May
PX04	84	147	31.20	38.6	18.4	0.0	0.00	149.4	5.8	0.0	0.0	650	26-May
PX04	84	148	31.60	38.9	19.6	0.0	0.00	149.0	4.8	0.0	0.0	650	27-May
PX04	84	149	31.80	40.1	19.6	0.0	0.00	152.7	4.3	0.0	0.0	650	28-May
PX04	84	150	27.40	39.2	23.7	0.0	0.00	224.6	4.5	0.0	0.0	650	29-May
PX04	84	151	22.30	38.5	24.3	0.0	0.00	181.4	7.3	0.0	0.0	650	30-May
PX04	84	152	29.20	36.2	19.9	0.0	0.00	112.3	9.9	0.0	0.0	650	31-May
PX04	84	153	30.70	36.3	21.0	0.0	0.00	164.2	9.5	0.0	0.0	650	01-Jun
PX04	84	154	30.60	37.1	19.6	0.0	0.00	181.4	6.7	0.0	0.0	650	02-Jun
PX04	84	155	31.40	35.8	37.4	22.1	0.00	190.1	2.9	0.0	0.0	650	03-Jun
PX04	84	156	26.70	35.8	17.3	0.0	0.00	181.4	7.7	0.0	0.0	650	04-Jun
PX04	84	157	25.30	33.4	17.9	0.0	0.00	138.2	8.1	0.0	0.0	650	05-Jun
PX04	84	158	29.40	35.1	17.4	0.0	0.00	181.4	5.9	0.0	0.0	650	06-Jun
PX04	84	159	31.40	33.8	19.1	0.0	0.00	155.5	4.5	0.0	0.0	650	07-Jun
PX04	84	160	30.80	35.8	16.9	0.0	0.00	129.6	3.0	0.0	0.0	650	08-Jun
PX04	84	161	30.90	37.9	15.7	0.0	0.00	65.0	-0.5	0.0	0.0	650	09-Jun
PX04	84	162	30.80	40.4	19.5	0.0	0.00	198.7	-1.7	0.0	0.0	650	10-Jun
PX04	84	163	30.90	38.5	17.0	0.0	0.00	190.1	-2.2	0.0	0.0	650	11-Jun
PX04	84	164	31.60	39.5	15.7	0.0	0.00	190.1	-1.9	0.0	0.0	650	12-Jun
PX04	84	165	31.80	36.0	16.9	0.0	0.00	155.5	2.3	0.0	0.0	650	13-Jun
PX04	84	166	31.30	35.1	17.1	0.0	0.00	164.2	2.1	0.0	0.0	650	14-Jun
PX04	84	167	32.00	36.0	15.4	0.0	0.00	112.3	0.2	0.0	0.0	650	15-Jun
PX04	84	168	31.70	35.9	16.1	0.0	0.00	112.3	-4.4	0.0	0.0	650	16-Jun
PX04	84	169	31.80	37.5	15.0	0.0	0.00	65.0	-5.4	0.0	0.0	650	17-Jun
PX04	84	170	30.90	38.5	17.0	0.0	0.00	112.3	-2.7	0.0	0.0	650	18-Jun
PX04	84	171	30.60	39.5	20.7	0.0	0.00	112.3	0.2	0.0	0.0	650	19-Jun
PX04	84	172	31.90	37.7	19.0	0.0	0.00	138.2	-1.4	0.0	0.0	650	20-Jun
PX04	84	173	31.70	39.7	17.1	0.0	0.00	164.2	-2.2	0.0	0.0	650	21-Jun
PX04	84	174	31.00	39.7	19.9	0.0	0.00	112.3	2.7	0.0	0.0	650	22-Jun
PX04	84	175	29.60	40.1	20.1	0.0	0.00	103.7	2.5	0.0	0.0	650	23-Jun
PX04	84	176	23.20	40.2	22.2	0.0	0.00	103.7	9.0	0.0	0.0	650	24-Jun
PX04	84	177	24.00	35.7	21.8	4.0	0.00	146.9	17.4	0.0	0.0	650	25-Jun
PX04	84	178	29.70	39.0	24.6	0.0	0.00	103.7	16.7	0.0	0.0	650	26-Jun
PX04	84	179	23.70	35.6	26.4	0.0	0.00	65.0	16.4	0.0	0.0	650	27-Jun
PX04	84	180	29.80	35.1	22.3	0.0	0.00	164.2	17.6	0.0	0.0	650	28-Jun
PX04	84	181	29.40	33.6	22.5	3.0	0.00	164.2	18.0	0.0	0.0	650	29-Jun
PX04	84	182	18.30	32.4	23.0	1.0	0.00	103.7	17.4	0.0	0.0	650	30-Jun
PX04	84	183	25.30	35.3	21.0	0.0	0.00	129.6	15.9	0.0	0.0	650	01-Jul
PX04	84	184	22.80	35.1	22.0	0.0	0.00	129.6	16.7	0.0	0.0	650	02-Jul
PX04	84	185	20.30	36.9	24.7	0.0	0.00	129.6	15.0	0.0	0.0	650	03-Jul
PX04	84	186	30.80	38.7	25.9	0.0	0.00	138.2	14.6	0.0	0.0	650	04-Jul
PX04	84	187	29.90	38.5	26.3	0.0	0.00	103.7	14.1	0.0	0.0	650	05-Jul
PX04	84	188	28.40	38.4	26.1	0.0	0.00	138.2	14.7	0.0	0.0	650	06-Jul
PX04	84	189	29.70	36.8	23.8	0.0	0.00	146.9	15.0	0.0	0.0	650	07-Jul
PX04	84	190	28.50	34.9	26.0	0.0	0.00	198.7	16.2	0.0	0.0	650	08-Jul
PX04	84	191	29.90	37.2	24.0	0.0	0.00	138.2	16.1	0.0	0.0	650	09-Jul
PX04	84	192	29.30	39.2	25.8	0.0	0.00	155.5	14.8	0.0	0.0	650	10-Jul
PX04	84	193	24.80	32.5	25.5	0.0	0.00	129.6	18.9	0.0	0.0	650	11-Jul
PX04	84	194	23.80	34.0	21.8	0.0	0.00	129.6	18.4	0.0	0.0	650	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	84	195	22.50	32.6	21.5	5.0	0.00	129.6	19.5	0.0	0.0	650	13-Jul
PX04	84	196	28.50	33.0	22.7	0.0	0.00	146.9	19.2	0.0	0.0	650	14-Jul
PX04	84	197	29.60	33.3	23.9	0.0	0.00	181.4	18.9	0.0	0.0	650	15-Jul
PX04	84	198	28.80	34.9	24.3	0.0	0.00	190.1	18.0	0.0	0.0	650	16-Jul
PX04	84	199	24.60	34.4	22.9	1.0	0.00	146.9	18.3	0.0	0.0	650	17-Jul
PX04	84	200	21.50	32.4	21.3	9.0	0.00	129.6	19.4	0.0	0.0	650	18-Jul
PX04	84	201	18.90	33.5	22.2	0.0	0.00	121.0	17.9	0.0	0.0	650	19-Jul
PX04	84	202	23.10	32.8	20.6	3.0	0.00	138.2	18.3	0.0	0.0	650	20-Jul
PX04	84	203	16.50	28.2	17.7	34.0	0.00	65.0	19.5	0.0	0.0	650	21-Jul
PX04	84	204	16.60	28.8	21.7	0.0	0.00	103.7	20.1	0.0	0.0	650	22-Jul
PX04	84	205	29.60	31.9	20.8	0.0	0.00	86.4	19.5	0.0	0.0	650	23-Jul
PX04	84	206	25.50	35.6	23.5	0.0	0.00	69.1	17.8	0.0	0.0	650	24-Jul
PX04	84	207	23.60	34.4	24.8	0.0	0.00	95.0	17.2	0.0	0.0	650	25-Jul
PX04	84	208	26.90	32.0	21.1	0.0	0.00	112.3	16.4	0.0	0.0	650	26-Jul
PX04	84	209	18.00	29.4	17.6	0.0	0.00	112.3	18.4	0.0	0.0	650	27-Jul
PX04	84	210	26.50	29.9	21.5	100.0	0.00	65.0	21.7	0.0	0.0	650	28-Jul
PX04	84	211	25.80	30.1	21.1	0.0	0.00	77.8	20.2	0.0	0.0	650	29-Jul
PX04	84	212	26.90	31.0	21.9	0.0	0.00	69.1	19.1	0.0	0.0	650	30-Jul
PX04	84	213	23.70	32.2	23.0	0.0	0.00	86.4	19.4	0.0	0.0	650	31-Jul
PX04	84	214	26.90	32.0	22.0	0.0	0.00	95.0	16.1	0.0	0.0	650	01-Aug
PX04	84	215	24.50	31.7	21.4	0.0	0.00	60.5	15.8	0.0	0.0	650	02-Aug
PX04	84	216	27.60	33.5	21.8	0.0	0.00	77.8	15.4	0.0	0.0	650	03-Aug
PX04	84	217	27.60	35.3	22.9	0.0	0.00	121.0	15.1	0.0	0.0	650	04-Aug
PX04	84	218	26.80	34.7	23.2	0.0	0.00	103.7	16.2	0.0	0.0	650	05-Aug
PX04	84	219	27.70	36.3	23.5	0.0	0.00	112.3	15.0	0.0	0.0	650	06-Aug
PX04	84	220	26.60	36.7	23.2	0.0	0.00	112.3	14.2	0.0	0.0	650	07-Aug
PX04	84	221	27.10	32.5	20.7	0.0	0.00	129.6	20.2	0.0	0.0	650	08-Aug
PX04	84	222	21.50	30.6	21.0	5.0	0.00	138.2	19.5	0.0	0.0	650	09-Aug
PX04	84	223	24.70	29.9	21.4	0.0	0.00	95.0	19.7	0.0	0.0	650	10-Aug
PX04	84	224	12.40	30.4	23.2	0.0	0.00	121.0	19.8	0.0	0.0	650	11-Aug
PX04	84	225	26.30	33.6	22.2	0.0	0.00	86.4	19.0	0.0	0.0	650	12-Aug
PX04	84	226	26.60	33.5	24.1	0.0	0.00	138.2	19.3	0.0	0.0	650	13-Aug
PX04	84	227	20.30	32.4	20.0	2.0	0.00	112.3	19.3	0.0	0.0	650	14-Aug
PX04	84	228	23.80	33.4	22.8	0.0	0.00	86.4	22.0	0.0	0.0	650	15-Aug
PX04	84	229	23.60	34.5	23.5	0.0	0.00	112.3	18.7	0.0	0.0	650	16-Aug
PX04	84	230	22.00	35.2	22.3	0.0	0.00	112.3	18.1	0.0	0.0	650	17-Aug
PX04	84	231	21.30	33.3	20.6	0.0	0.00	95.0	16.9	0.0	0.0	650	18-Aug
PX04	84	232	21.50	31.8	22.3	0.0	0.00	112.3	18.0	0.0	0.0	650	19-Aug
PX04	84	233	22.30	33.5	20.9	0.0	0.00	95.0	16.9	0.0	0.0	650	20-Aug
PX04	84	234	25.50	35.5	21.6	0.0	0.00	86.4	15.0	0.0	0.0	650	21-Aug
PX04	84	235	19.50	36.1	22.5	0.0	0.00	121.0	13.9	0.0	0.0	650	22-Aug
PX04	84	236	14.30	29.2	22.1	2.0	0.00	86.4	16.5	0.0	0.0	650	23-Aug
PX04	84	237	24.70	32.0	19.1	0.0	0.00	112.3	16.4	0.0	0.0	650	24-Aug
PX04	84	238	23.10	31.8	19.3	0.0	0.00	86.4	16.9	0.0	0.0	650	25-Aug
PX04	84	239	25.30	33.0	22.0	0.0	0.00	69.1	16.2	0.0	0.0	650	26-Aug
PX04	84	240	22.30	34.1	20.2	0.0	0.00	51.8	15.8	0.0	0.0	650	27-Aug
PX04	84	241	24.80	34.3	23.3	0.0	0.00	0.0	16.6	0.0	0.0	650	28-Aug
PX04	84	242	25.30	37.4	21.9	0.0	0.00	0.0	14.8	0.0	0.0	650	29-Aug
PX04	84	243	25.00	37.0	25.2	0.0	0.00	17.3	15.5	0.0	0.0	650	30-Aug
PX04	84	244	21.30	37.0	25.2	0.0	0.00	51.8	14.3	0.0	0.0	650	31-Aug
PX04	84	245	24.10	35.8	18.6	20.0	0.00	60.5	17.3	0.0	0.0	650	01-Sep
PX04	84	246	24.10	31.6	18.7	0.0	0.00	17.3	20.4	0.0	0.0	650	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	84	247	24.50	36.1	21.9	0.0	0.00	77.8	19.0	0.0	0.0	650	03-Sep
PX04	84	248	24.80	36.5	22.0	0.0	0.00	138.2	13.7	0.0	0.0	650	04-Sep
PX04	84	249	26.10	37.3	18.3	0.0	0.00	138.2	5.3	0.0	0.0	650	05-Sep
PX04	84	250	25.40	33.0	16.1	0.0	0.00	95.0	8.8	0.0	0.0	650	06-Sep
PX04	84	251	24.10	31.2	15.8	0.0	0.00	86.4	12.0	0.0	0.0	650	07-Sep
PX04	84	252	23.90	31.9	20.4	0.0	0.00	86.4	16.9	0.0	0.0	650	08-Sep
PX04	84	253	22.00	31.9	20.6	0.0	0.00	112.3	17.7	0.0	0.0	650	09-Sep
PX04	84	254	21.50	34.5	20.1	46.0	0.00	86.4	21.3	0.0	0.0	650	10-Sep
PX04	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	650	11-Sep
PX04	84	256	22.30	31.6	19.0	0.0	0.00	77.8	21.1	0.0	0.0	650	12-Sep
PX04	84	257	22.10	33.8	19.4	0.0	0.00	77.8	17.2	0.0	0.0	650	13-Sep
PX04	84	258	21.80	35.1	20.3	0.0	0.00	69.1	16.7	0.0	0.0	650	14-Sep
PX04	84	259	23.10	35.7	22.1	1.0	0.00	155.5	13.2	0.0	0.0	650	15-Sep
PX04	84	260	23.10	35.0	20.6	0.0	0.00	95.0	13.2	0.0	0.0	650	16-Sep
PX04	84	261	19.30	35.7	21.2	0.0	0.00	77.8	13.8	0.0	0.0	650	17-Sep
PX04	84	262	22.20	37.5	20.9	0.0	0.00	121.0	12.8	0.0	0.0	650	18-Sep
PX04	84	263	21.70	36.5	20.0	0.0	0.00	95.0	12.7	0.0	0.0	650	19-Sep
PX04	84	264	21.50	36.4	19.6	0.0	0.00	112.3	11.5	0.0	0.0	650	20-Sep
PX04	84	265	18.80	34.4	18.6	2.0	0.00	121.0	14.0	0.0	0.0	650	21-Sep
PX04	84	266	20.90	33.5	18.6	0.0	0.00	138.2	14.3	0.0	0.0	650	22-Sep
PX04	84	267	19.60	33.5	20.0	0.0	0.00	121.0	13.6	0.0	0.0	650	23-Sep
PX04	84	268	3.70	33.1	19.0	0.0	0.00	86.4	13.1	0.0	0.0	650	24-Sep
PX04	84	269	3.90	25.1	18.6	8.0	0.00	69.1	17.7	0.0	0.0	650	25-Sep
PX04	84	270	20.10	20.1	16.4	20.0	0.00	17.3	16.8	0.0	0.0	650	26-Sep
PX04	84	271	20.60	28.4	14.9	0.0	0.00	17.3	16.9	0.0	0.0	650	27-Sep
PX04	84	272	20.00	30.3	16.7	0.0	0.00	25.9	15.3	0.0	0.0	650	28-Sep
PX04	84	273	14.20	31.4	15.9	0.0	0.00	51.8	15.2	0.0	0.0	650	29-Sep
PX04	84	274	17.60	29.6	16.8	0.0	0.00	146.9	13.8	0.0	0.0	650	30-Sep
PX04	84	275	18.60	30.5	18.3	0.0	0.00	86.4	12.2	0.0	0.0	650	01-Oct
PX04	84	276	18.60	28.5	15.2	0.0	0.00	86.4	12.0	0.0	0.0	650	02-Oct
PX04	84	277	18.70	28.5	15.2	5.0	0.00	77.8	12.0	0.0	0.0	650	03-Oct
PX04	84	278	18.90	25.7	11.4	0.0	0.00	69.1	12.8	0.0	0.0	650	04-Oct
PX04	84	279	19.00	27.5	11.9	0.0	0.00	69.1	11.4	0.0	0.0	650	05-Oct
PX04	84	280	19.00	29.1	12.5	0.0	0.00	60.5	10.6	0.0	0.0	650	06-Oct
PX04	84	281	19.10	31.8	13.2	0.0	0.00	51.8	10.3	0.0	0.0	650	07-Oct
PX04	84	282	18.70	32.4	13.5	0.0	0.00	51.8	9.2	0.0	0.0	650	08-Oct
PX04	84	283	18.20	32.5	13.5	0.0	0.00	60.5	9.3	0.0	0.0	650	09-Oct
PX04	84	284	17.70	31.7	13.7	0.0	0.00	86.4	9.8	0.0	0.0	650	10-Oct
PX04	84	285	14.30	30.5	15.9	0.0	0.00	60.5	13.9	0.0	0.0	650	11-Oct
PX04	84	286	17.60	29.2	16.7	0.0	0.00	60.5	13.5	0.0	0.0	650	12-Oct
PX04	84	287	16.60	29.5	13.3	0.0	0.00	112.3	9.8	0.0	0.0	650	13-Oct
PX04	84	288	17.80	29.9	12.8	0.0	0.00	69.1	8.2	0.0	0.0	650	14-Oct
PX04	84	289	14.80	26.6	12.9	0.0	0.00	164.2	4.6	0.0	0.0	650	15-Oct
PX04	84	290	17.20	22.9	8.5	0.0	0.00	103.7	3.0	0.0	0.0	650	16-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC		↓			CO2YR	WINDYR
PX15	33.40	112.00	2.30	0 1 1 0 1				650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	84	97	8.03	23.9	12.2	0.0	0.00	122.0	6.5	0.0	0.0	350	06-Apr
PX15	84	98	20.22	24.4	10.6	0.0	0.00	162.5	6.5	0.0	0.0	350	07-Apr
PX15	84	99	26.03	27.2	11.1	0.0	0.00	184.8	7.8	0.0	0.0	350	08-Apr
PX15	84	100	25.94	27.2	15.0	0.0	0.00	138.7	12.8	0.0	0.0	350	09-Apr
PX15	84	101	21.02	27.8	12.2	0.0	0.00	147.1	12.4	0.0	0.0	350	10-Apr
PX15	84	102	25.03	30.0	15.0	0.0	0.00	140.1	6.7	0.0	0.0	350	11-Apr
PX15	84	103	26.47	32.2	17.2	0.0	0.00	119.2	8.5	0.0	0.0	350	12-Apr
PX15	84	104	26.88	35.1	16.7	0.0	0.00	131.8	4.5	0.0	0.0	350	13-Apr
PX15	84	105	27.78	36.7	18.3	0.0	0.00	133.2	6.1	0.0	0.0	350	14-Apr
PX15	84	106	27.71	37.2	18.9	0.0	0.00	142.9	8.6	0.0	0.0	350	15-Apr
PX15	84	107	27.41	38.3	21.1	0.0	0.00	190.4	12.2	0.0	0.0	350	16-Apr
PX15	84	108	20.87	34.4	21.1	0.0	0.00	162.5	12.4	0.0	0.0	350	17-Apr
PX15	84	109	26.49	32.2	18.9	0.0	0.00	232.2	11.9	0.0	0.0	350	18-Apr
PX15	84	110	26.04	27.8	17.2	0.0	0.00	175.0	17.2	0.0	0.0	350	19-Apr
PX15	84	111	28.36	23.9	12.8	0.0	0.00	106.7	16.3	0.0	0.0	350	20-Apr
PX15	84	112	28.41	32.6	12.8	0.0	0.00	122.0	15.8	0.0	0.0	350	21-Apr
PX15	84	113	28.17	31.1	15.1	0.0	0.00	115.0	13.5	0.0	0.0	350	22-Apr
PX15	84	114	30.04	33.8	14.0	0.0	0.00	163.9	13.5	0.0	0.0	350	23-Apr
PX15	84	115	30.34	30.3	13.4	0.0	0.00	244.8	11.3	0.0	0.0	350	24-Apr
PX15	84	116	18.07	28.3	10.3	0.0	0.00	239.2	10.5	0.0	0.0	350	25-Apr
PX15	84	117	13.86	28.3	8.2	0.0	0.00	162.5	10.7	0.0	0.0	350	26-Apr
PX15	84	118	9.55	26.7	10.8	0.0	0.00	140.1	10.7	0.0	0.0	350	27-Apr
PX15	84	119	1.43	29.4	4.6	0.0	0.00	142.9	11.1	0.0	0.0	350	28-Apr
PX15	84	120	26.91	30.8	8.7	0.0	0.00	122.0	11.5	0.0	0.0	350	29-Apr
PX15	84	121	19.17	31.7	10.8	0.0	0.00	155.5	10.1	0.0	0.0	350	30-Apr
PX15	84	122	22.03	32.2	11.4	0.0	0.00	142.9	8.8	0.0	0.0	350	01-May
PX15	84	123	28.45	33.8	15.5	0.0	0.00	141.5	8.6	0.0	0.0	650	02-May
PX15	84	124	29.76	34.2	17.1	0.0	0.00	175.0	10.4	0.0	0.0	650	03-May
PX15	84	125	30.46	33.8	17.6	0.0	0.00	170.8	12.3	0.0	0.0	650	04-May
PX15	84	126	29.90	33.8	16.6	0.0	0.00	152.7	15.1	0.0	0.0	650	05-May
PX15	84	127	30.20	34.4	17.6	0.0	0.00	107.9	13.3	0.0	0.0	650	06-May
PX15	84	128	30.00	34.4	17.6	0.0	0.00	64.5	13.0	0.0	0.0	650	07-May
PX15	84	129	31.00	35.1	16.1	0.0	0.00	144.4	12.7	0.0	0.0	650	08-May
PX15	84	130	30.25	35.8	18.1	0.0	0.00	144.3	12.7	0.0	0.0	650	09-May
PX15	84	131	30.25	36.0	17.6	0.0	0.00	180.5	11.9	0.0	0.0	650	10-May
PX15	84	132	30.50	35.6	18.1	0.0	0.00	114.7	12.3	0.0	0.0	650	11-May
PX15	84	133	17.50	34.9	19.7	0.0	0.00	136.6	12.2	0.0	0.0	650	12-May
PX15	84	134	29.50	35.8	19.7	0.0	0.00	166.8	11.2	0.0	0.0	650	13-May
PX15	84	135	27.60	35.6	21.8	0.0	0.00	233.8	10.3	0.0	0.0	650	14-May
PX15	84	136	24.00	34.4	18.1	0.0	0.00	185.0	12.0	0.0	0.0	650	15-May
PX15	84	137	30.70	34.2	16.1	0.0	0.00	187.2	13.1	0.0	0.0	650	16-May
PX15	84	138	30.25	34.4	18.7	0.0	0.00	134.9	13.0	0.0	0.0	650	17-May
PX15	84	139	30.40	34.9	18.7	0.0	0.00	122.5	12.6	0.0	0.0	650	18-May
PX15	84	140	31.00	35.3	18.7	0.0	0.00	110.5	14.4	0.0	0.0	650	19-May
PX15	84	141	30.70	35.6	19.2	0.0	0.00	147.3	14.9	0.0	0.0	650	20-May
PX15	84	142	30.60	35.8	19.7	0.0	0.00	144.7	8.1	0.0	0.0	650	21-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	84	143	31.20	36.0	19.7	0.0	0.00	123.0	5.9	0.0	0.0	650	22-May
PX15	84	144	31.00	36.9	18.7	0.0	0.00	133.1	2.1	0.0	0.0	650	23-May
PX15	84	145	31.40	36.7	19.7	0.0	0.00	146.1	-2.2	0.0	0.0	650	24-May
PX15	84	146	31.60	36.7	19.7	0.0	0.00	140.2	5.3	0.0	0.0	650	25-May
PX15	84	147	31.20	36.9	19.2	0.0	0.00	149.4	5.8	0.0	0.0	650	26-May
PX15	84	148	31.60	37.2	20.2	0.0	0.00	149.0	4.8	0.0	0.0	650	27-May
PX15	84	149	31.80	38.1	20.2	0.0	0.00	152.7	4.3	0.0	0.0	650	28-May
PX15	84	150	27.40	37.4	23.9	0.0	0.00	224.6	7.3	0.0	0.0	650	29-May
PX15	84	151	22.30	37.4	24.0	0.0	0.00	181.4	8.6	0.0	0.0	650	30-May
PX15	84	152	29.20	36.7	20.1	0.0	0.00	112.3	12.3	0.0	0.0	650	31-May
PX15	84	153	30.70	37.2	22.0	0.0	0.00	164.2	11.4	0.0	0.0	650	01-Jun
PX15	84	154	30.60	35.8	20.2	0.0	0.00	181.4	9.8	0.0	0.0	650	02-Jun
PX15	84	155	31.40	37.5	21.5	0.0	0.00	190.1	7.5	0.0	0.0	650	03-Jun
PX15	84	156	26.70	35.7	18.7	0.0	0.00	181.4	8.1	0.0	0.0	650	04-Jun
PX15	84	157	25.30	33.7	18.3	0.0	0.00	138.2	6.4	0.0	0.0	650	05-Jun
PX15	84	158	29.40	34.3	18.2	0.0	0.00	181.4	5.6	0.0	0.0	650	06-Jun
PX15	84	159	31.40	34.1	19.5	0.0	0.00	155.5	4.8	0.0	0.0	650	07-Jun
PX15	84	160	30.80	35.0	17.6	0.0	0.00	129.6	3.9	0.0	0.0	650	08-Jun
PX15	84	161	30.90	36.3	16.9	0.0	0.00	65.0	1.5	0.0	0.0	650	09-Jun
PX15	84	162	30.80	38.8	19.8	0.0	0.00	198.7	0.4	0.0	0.0	650	10-Jun
PX15	84	163	30.90	37.6	18.4	0.0	0.00	190.1	-0.0	0.0	0.0	650	11-Jun
PX15	84	164	31.60	37.9	17.1	0.0	0.00	190.1	-0.0	0.0	0.0	650	12-Jun
PX15	84	165	31.80	34.2	18.0	0.0	0.00	155.5	3.4	0.0	0.0	650	13-Jun
PX15	84	166	31.30	34.1	17.6	0.0	0.00	164.2	4.3	0.0	0.0	650	14-Jun
PX15	84	167	32.00	34.9	17.5	0.0	0.00	112.3	1.1	0.0	0.0	650	15-Jun
PX15	84	168	31.70	34.7	17.9	0.0	0.00	112.3	-1.7	0.0	0.0	650	16-Jun
PX15	84	169	31.80	35.7	16.7	0.0	0.00	65.0	-2.7	0.0	0.0	650	17-Jun
PX15	84	170	30.90	36.5	18.3	0.0	0.00	112.3	-0.0	0.0	0.0	650	18-Jun
PX15	84	171	30.60	37.3	21.5	0.0	0.00	112.3	2.5	0.0	0.0	650	19-Jun
PX15	84	172	31.90	36.3	19.7	0.0	0.00	138.2	4.3	0.0	0.0	650	20-Jun
PX15	84	173	31.70	37.2	17.9	0.0	0.00	164.2	3.8	0.0	0.0	650	21-Jun
PX15	84	174	31.00	37.5	20.8	0.0	0.00	112.3	5.6	0.0	0.0	650	22-Jun
PX15	84	175	29.60	38.2	20.5	0.0	0.00	103.7	6.5	0.0	0.0	650	23-Jun
PX15	84	176	23.20	38.0	22.8	0.0	0.00	103.7	11.3	0.0	0.0	650	24-Jun
PX15	84	177	24.00	33.9	19.6	4.0	0.00	146.9	18.3	0.0	0.0	650	25-Jun
PX15	84	178	29.70	37.3	24.9	0.0	0.00	103.7	17.7	0.0	0.0	650	26-Jun
PX15	84	179	23.70	33.5	26.5	0.0	0.00	65.0	17.5	0.0	0.0	650	27-Jun
PX15	84	180	29.80	33.8	22.3	0.0	0.00	164.2	18.8	0.0	0.0	650	28-Jun
PX15	84	181	29.40	32.2	22.6	3.0	0.00	164.2	19.4	0.0	0.0	650	29-Jun
PX15	84	182	18.30	31.2	23.2	1.0	0.00	103.7	18.5	0.0	0.0	650	30-Jun
PX15	84	183	25.30	33.0	20.3	0.0	0.00	129.6	17.9	0.0	0.0	650	01-Jul
PX15	84	184	22.80	32.2	21.5	0.0	0.00	129.6	18.7	0.0	0.0	650	02-Jul
PX15	84	185	20.30	33.9	24.4	0.0	0.00	129.6	17.2	0.0	0.0	650	03-Jul
PX15	84	186	30.80	35.5	26.0	0.0	0.00	138.2	17.1	0.0	0.0	650	04-Jul
PX15	84	187	29.90	35.4	26.3	0.0	0.00	103.7	16.6	0.0	0.0	650	05-Jul
PX15	84	188	28.40	35.3	26.1	0.0	0.00	138.2	16.9	0.0	0.0	650	06-Jul
PX15	84	189	29.70	33.6	25.7	0.0	0.00	146.9	16.9	0.0	0.0	650	07-Jul
PX15	84	190	28.50	35.2	24.1	0.0	0.00	198.7	17.6	0.0	0.0	650	08-Jul
PX15	84	191	29.90	37.4	25.7	0.0	0.00	138.2	17.7	0.0	0.0	650	09-Jul
PX15	84	192	29.30	37.4	25.7	0.0	0.00	155.5	16.5	0.0	0.0	650	10-Jul
PX15	84	193	24.80	31.3	25.2	0.0	0.00	129.6	17.3	0.0	0.0	650	11-Jul
PX15	84	194	23.80	31.6	22.6	0.0	0.00	129.6	18.8	0.0	0.0	650	12-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	84	195	22.50	30.8	21.3	5.0	0.00	129.6	19.8	0.0	0.0	650	13-Jul
PX15	84	196	28.50	35.1	22.4	0.0	0.00	146.9	20.8	0.0	0.0	650	14-Jul
PX15	84	197	29.60	39.0	23.8	0.0	0.00	181.4	21.0	0.0	0.0	650	15-Jul
PX15	84	198	28.80	38.2	22.6	0.0	0.00	190.1	21.8	0.0	0.0	650	16-Jul
PX15	84	199	24.60	31.4	22.7	1.0	0.00	146.9	19.5	0.0	0.0	650	17-Jul
PX15	84	200	21.50	31.3	22.4	9.0	0.00	129.6	18.9	0.0	0.0	650	18-Jul
PX15	84	201	18.90	30.8	22.1	0.0	0.00	121.0	19.7	0.0	0.0	650	19-Jul
PX15	84	202	23.10	30.5	20.4	3.0	0.00	138.2	19.5	0.0	0.0	650	20-Jul
PX15	84	203	16.50	26.8	18.5	34.0	0.00	65.0	19.7	0.0	0.0	650	21-Jul
PX15	84	204	16.60	27.5	21.6	0.0	0.00	103.7	20.3	0.0	0.0	650	22-Jul
PX15	84	205	29.60	29.7	20.6	0.0	0.00	86.4	20.8	0.0	0.0	650	23-Jul
PX15	84	206	25.50	31.3	23.3	0.0	0.00	69.1	19.3	0.0	0.0	650	24-Jul
PX15	84	207	23.60	31.5	24.6	0.0	0.00	95.0	17.8	0.0	0.0	650	25-Jul
PX15	84	208	26.90	30.8	21.2	0.0	0.00	112.3	16.8	0.0	0.0	650	26-Jul
PX15	84	209	18.00	28.4	19.1	0.0	0.00	112.3	18.8	0.0	0.0	650	27-Jul
PX15	84	210	26.50	28.7	20.0	100.0	0.00	65.0	19.2	0.0	0.0	650	28-Jul
PX15	84	211	25.80	29.0	20.8	0.0	0.00	77.8	20.0	0.0	0.0	650	29-Jul
PX15	84	212	26.90	29.8	22.2	0.0	0.00	69.1	21.5	0.0	0.0	650	30-Jul
PX15	84	213	23.70	30.6	23.5	0.0	0.00	86.4	24.0	0.0	0.0	650	31-Jul
PX15	84	214	26.90	30.8	22.6	0.0	0.00	95.0	16.9	0.0	0.0	650	01-Aug
PX15	84	215	24.50	30.3	21.3	0.0	0.00	60.5	16.4	0.0	0.0	650	02-Aug
PX15	84	216	27.60	31.6	21.5	0.0	0.00	77.8	16.3	0.0	0.0	650	03-Aug
PX15	84	217	27.60	33.0	22.5	0.0	0.00	121.0	16.1	0.0	0.0	650	04-Aug
PX15	84	218	26.80	32.0	22.6	0.0	0.00	103.7	17.0	0.0	0.0	650	05-Aug
PX15	84	219	27.70	34.8	23.2	0.0	0.00	112.3	16.3	0.0	0.0	650	06-Aug
PX15	84	220	26.60	34.6	23.0	0.0	0.00	112.3	15.8	0.0	0.0	650	07-Aug
PX15	84	221	27.10	30.4	20.6	0.0	0.00	129.6	18.0	0.0	0.0	650	08-Aug
PX15	84	222	21.50	29.4	21.1	5.0	0.00	138.2	19.9	0.0	0.0	650	09-Aug
PX15	84	223	24.70	29.0	21.1	0.0	0.00	95.0	20.4	0.0	0.0	650	10-Aug
PX15	84	224	12.40	29.1	23.0	0.0	0.00	121.0	20.4	0.0	0.0	650	11-Aug
PX15	84	225	26.30	32.2	22.0	0.0	0.00	86.4	19.7	0.0	0.0	650	12-Aug
PX15	84	226	26.60	30.7	23.9	0.0	0.00	138.2	20.6	0.0	0.0	650	13-Aug
PX15	84	227	20.30	30.2	19.9	2.0	0.00	112.3	19.9	0.0	0.0	650	14-Aug
PX15	84	228	23.80	31.6	22.8	0.0	0.00	86.4	20.6	0.0	0.0	650	15-Aug
PX15	84	229	23.60	32.9	23.7	0.0	0.00	112.3	19.5	0.0	0.0	650	16-Aug
PX15	84	230	22.00	32.8	22.2	0.0	0.00	112.3	19.4	0.0	0.0	650	17-Aug
PX15	84	231	21.30	31.5	20.5	0.0	0.00	95.0	18.3	0.0	0.0	650	18-Aug
PX15	84	232	21.50	30.7	22.0	0.0	0.00	112.3	19.0	0.0	0.0	650	19-Aug
PX15	84	233	22.30	32.0	20.8	0.0	0.00	95.0	18.3	0.0	0.0	650	20-Aug
PX15	84	234	25.50	34.3	21.4	0.0	0.00	86.4	16.0	0.0	0.0	650	21-Aug
PX15	84	235	19.50	34.8	21.9	0.0	0.00	121.0	15.0	0.0	0.0	650	22-Aug
PX15	84	236	14.30	28.4	22.7	2.0	0.00	86.4	16.9	0.0	0.0	650	23-Aug
PX15	84	237	24.70	29.7	19.4	0.0	0.00	112.3	17.3	0.0	0.0	650	24-Aug
PX15	84	238	23.10	30.2	19.4	0.0	0.00	86.4	17.6	0.0	0.0	650	25-Aug
PX15	84	239	25.30	31.3	21.9	0.0	0.00	69.1	16.9	0.0	0.0	650	26-Aug
PX15	84	240	22.30	32.1	20.2	0.0	0.00	51.8	16.5	0.0	0.0	650	27-Aug
PX15	84	241	24.80	32.0	23.6	0.0	0.00	0.0	17.6	0.0	0.0	650	28-Aug
PX15	84	242	25.30	33.9	21.9	0.0	0.00	0.0	15.8	0.0	0.0	650	29-Aug
PX15	84	243	25.00	35.0	22.0	0.0	0.00	17.3	14.7	0.0	0.0	650	30-Aug
PX15	84	244	21.30	34.2	25.1	0.0	0.00	51.8	15.6	0.0	0.0	650	31-Aug
PX15	84	245	24.10	32.9	19.0	20.0	0.00	60.5	18.2	0.0	0.0	650	01-Sep
PX15	84	246	24.10	29.7	19.2	0.0	0.00	17.3	21.3	0.0	0.0	650	02-Sep

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	84	247	24.50	34.2	22.0	0.0	0.00	77.8	20.2	0.0	0.0	650	03-Sep
PX15	84	248	24.80	35.1	21.2	0.0	0.00	138.2	15.0	0.0	0.0	650	04-Sep
PX15	84	249	26.10	34.7	16.3	0.0	0.00	138.2	9.8	0.0	0.0	650	05-Sep
PX15	84	250	25.40	32.1	16.2	0.0	0.00	95.0	9.0	0.0	0.0	650	06-Sep
PX15	84	251	24.10	29.2	15.8	0.0	0.00	86.4	12.6	0.0	0.0	650	07-Sep
PX15	84	252	23.90	30.1	20.2	0.0	0.00	86.4	18.0	0.0	0.0	650	08-Sep
PX15	84	253	22.00	30.4	19.9	0.0	0.00	112.3	18.6	0.0	0.0	650	09-Sep
PX15	84	254	21.50	30.0	20.1	46.0	0.00	86.4	22.4	0.0	0.0	650	10-Sep
PX15	84	255	15.10	29.2	18.6	0.0	0.00	86.4	23.8	0.0	0.0	650	11-Sep
PX15	84	256	22.30	38.4	20.7	0.0	0.00	77.8	21.4	0.0	0.0	650	12-Sep
PX15	84	257	22.10	30.3	19.1	0.0	0.00	77.8	18.1	0.0	0.0	650	13-Sep
PX15	84	258	21.80	31.3	20.6	0.0	0.00	69.1	17.7	0.0	0.0	650	14-Sep
PX15	84	259	23.10	34.4	22.3	1.0	0.00	155.5	12.7	0.0	0.0	650	15-Sep
PX15	84	260	23.10	20.8	15.5	0.0	0.00	95.0	18.0	0.0	0.0	650	16-Sep
PX15	84	261	19.30	33.4	21.2	0.0	0.00	77.8	13.3	0.0	0.0	650	17-Sep
PX15	84	262	22.20	34.6	20.6	0.0	0.00	121.0	12.2	0.0	0.0	650	18-Sep
PX15	84	263	21.70	32.1	19.5	0.0	0.00	95.0	13.2	0.0	0.0	650	19-Sep
PX15	84	264	21.50	31.8	19.9	0.0	0.00	112.3	11.9	0.0	0.0	650	20-Sep
PX15	84	265	18.80	31.5	20.3	2.0	0.00	121.0	13.7	0.0	0.0	650	21-Sep
PX15	84	266	20.90	30.1	19.0	0.0	0.00	138.2	14.4	0.0	0.0	650	22-Sep
PX15	84	267	19.60	30.0	20.4	0.0	0.00	121.0	13.7	0.0	0.0	650	23-Sep
PX15	84	268	3.70	29.8	18.9	0.0	0.00	86.4	13.0	0.0	0.0	650	24-Sep
PX15	84	269	3.90	24.6	18.4	8.0	0.00	69.1	17.8	0.0	0.0	650	25-Sep
PX15	84	270	20.10	20.0	16.5	20.0	0.00	17.3	16.9	0.0	0.0	650	26-Sep
PX15	84	271	20.60	26.3	15.0	0.0	0.00	17.3	16.9	0.0	0.0	650	27-Sep
PX15	84	272	20.00	27.5	16.9	0.0	0.00	25.9	15.2	0.0	0.0	650	28-Sep
PX15	84	273	14.20	28.5	16.2	0.0	0.00	51.8	15.2	0.0	0.0	650	29-Sep
PX15	84	274	17.60	27.2	16.5	0.0	0.00	146.9	13.4	0.0	0.0	650	30-Sep
PX15	84	275	18.60	27.7	17.4	0.0	0.00	86.4	12.4	0.0	0.0	650	01-Oct
PX15	84	276	18.60	25.7	15.3	0.0	0.00	86.4	12.2	0.0	0.0	650	02-Oct
PX15	84	277	18.70	25.7	15.3	5.0	0.00	77.8	12.2	0.0	0.0	650	03-Oct
PX15	84	278	18.90	23.7	11.5	0.0	0.00	69.1	12.7	0.0	0.0	650	04-Oct
PX15	84	279	19.00	26.7	11.8	0.0	0.00	69.1	11.2	0.0	0.0	650	05-Oct
PX15	84	280	19.00	26.4	12.0	0.0	0.00	60.5	10.7	0.0	0.0	650	06-Oct
PX15	84	281	19.10	29.5	12.7	0.0	0.00	51.8	10.3	0.0	0.0	650	07-Oct
PX15	84	282	18.70	28.4	12.8	0.0	0.00	51.8	8.4	0.0	0.0	650	08-Oct
PX15	84	283	18.20	28.9	13.9	0.0	0.00	60.5	9.5	0.0	0.0	650	09-Oct
PX15	84	284	17.70	28.0	14.1	0.0	0.00	86.4	10.0	0.0	0.0	650	10-Oct
PX15	84	285	14.30	27.4	15.9	0.0	0.00	60.5	14.0	0.0	0.0	650	11-Oct
PX15	84	286	17.60	26.7	16.3	0.0	0.00	60.5	13.9	0.0	0.0	650	12-Oct
PX15	84	287	16.60	26.9	13.1	0.0	0.00	112.3	10.0	0.0	0.0	650	13-Oct
PX15	84	288	17.80	27.4	12.8	0.0	0.00	69.1	8.1	0.0	0.0	650	14-Oct
PX15	84	289	14.80	25.1	12.8	0.0	0.00	164.2	6.4	0.0	0.0	650	15-Oct
PX15	84	290	17.20	21.0	7.9	0.0	0.00	103.7	0.6	0.0	0.0	650	16-Oct

FILENAME: AVONDALE.CT2   SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
                               (ALL PLOTS EXCEPT LYSIMETERS & GRAVEL LAYER)

IDUMSL	PEDON		TAXON								
01	-9		AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.								

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.172	0.298	0.379	0.298	0.100	1.47	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK		SILT		SCOND						
	SAND		CLAY		CATEXC	ALPHA	XN	VGTHS	VGTHR	
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043	
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042	
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041	
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041	
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042	
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042	
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042	
0.0	36.2	35.1	28.8	7.3	385.0	3.380	1.184	0.379	0.042	
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043	
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043	

DATAID
AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

LYRSOL
1

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.19E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM GH2OC
6   0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM GH2OC
6   0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM GH2OC
6   0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
                                                WITH GRAVEL LAYER (PLOTS 13-16)

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.086	0.149	0.190	0.149	0.050	2.10	0.00	0.0	5.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK	SAND	SILT	CLAY	SCOND	CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042
50.0	18.1	17.6	14.4	3.7	193.0	3.380	1.184	0.190	0.021
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043

DATAID
AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

LYRSOL
3

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.10E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.09E-08	0.072	34.0	0.30E+02	0.22	0.13	0.11	0.015	2.90	2.10	1.00
0.18E-08	0.145	34.0	0.60E+02	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM	GH2OC
6	0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM	GH2OC
6	0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM	GH2OC
6	0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

FILENAME: PX088401.CT4   SOIL ORGANIC RESIDUE   (ALL PLOTS)

ID	TRTNO	STRAW	SDEP	SCN	ROOT
PX088401	01	900.	20.	13.	3600.

FILENAME: PX088401.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE LOAM
                                (PLOTS 01-12)

TRTNO	ID
01	PX088401

DLAYR	SW	NH4	NO3	PH
5.	0.250	0.0	34.0	7.7
5.	0.317	0.0	34.0	7.7
10.	0.317	0.0	34.0	7.7
10.	0.330	0.0	22.5	7.7
20.	0.295	0.0	15.0	8.0
20.	0.256	0.0	15.0	8.0
30.	0.255	0.0	15.0	8.0
30.	0.240	0.0	15.0	8.0
30.	0.268	0.0	15.0	8.0
30.	0.276	0.0	15.0	8.0
-1.				

FILENAME: PX138401.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE LOAM
                                WITH GRAVEL LAYER AT 100 TO 130 CM. (PLOTS 13-16)

TRTNO	ID
01	PX138401

DLAYR	SW	NH4	NO3	PH
5.	0.250	0.0	34.0	7.7
5.	0.317	0.0	34.0	7.7
10.	0.317	0.0	34.0	7.7
10.	0.330	0.0	22.5	7.7
20.	0.295	0.0	15.0	8.0
20.	0.256	0.0	15.0	8.0
30.	0.255	0.0	15.0	8.0
30.	0.120	0.0	7.5	8.0
30.	0.268	0.0	15.0	8.0
30.	0.276	0.0	15.0	8.0
-1.				

FILENAME: PX088401.CT6   IRRIGATION OF DRY REP #1 (PLOTS 05-08)

TRTNO   ID
01 PX088401

JDIRR	AMTIRR	IRRCOD	X1IRR Z1IRR	X2IRR	Z2IRR
87	230.	3	0.0	0.0 100.0	0.0
151	150.	3	0.0	0.0 100.0	0.0
165	0.	3	0.0	0.0 100.0	0.0
173	150.	3	0.0	0.0 100.0	0.0
179	0.	3	0.0	0.0 100.0	0.0
193	150.	3	0.0	0.0 100.0	0.0
207	0.	3	0.0	0.0 100.0	0.0
221	150.	3	0.0	0.0 100.0	0.0
236	0.	3	0.0	0.0 100.0	0.0
243	150.	3	0.0	0.0 100.0	0.0
250	0.	3	0.0	0.0 100.0	0.0
-1					

FILENAME: PX118401.CT6   IRRIGATION OF DRY REP #2 (PLOTS 09-12)

TRTNO   ID
01 PX118401

JDIRR	AMTIRR	IRRCOD	X1IRR Z1IRR	X2IRR	Z2IRR
87	230.	3	0.0	0.0 100.0	0.0
151	150.	3	0.0	0.0 100.0	0.0
165	0.	3	0.0	0.0 100.0	0.0
173	150.	3	0.0	0.0 100.0	0.0
179	0.	3	0.0	0.0 100.0	0.0
193	150.	3	0.0	0.0 100.0	0.0
207	0.	3	0.0	0.0 100.0	0.0
221	150.	3	0.0	0.0 100.0	0.0
236	0.	3	0.0	0.0 100.0	0.0
243	150.	3	0.0	0.0 100.0	0.0
250	0.	3	0.0	0.0 100.0	0.0
-1					

FILENAME: PX018401.CT6   IRRIGATION OF WET REP #1 (PLOTS 01-04)

TRTNO   ID
01 PX018401

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
87	230.	3	0.0	0.0	100.0	0.0
151	150.	3	0.0	0.0	100.0	0.0
165	149.	3	0.0	0.0	100.0	0.0
173	0.	3	0.0	0.0	100.0	0.0
179	150.	3	0.0	0.0	100.0	0.0
193	150.	3	0.0	0.0	100.0	0.0
207	150.	3	0.0	0.0	100.0	0.0
221	100.	3	0.0	0.0	100.0	0.0
236	150.	3	0.0	0.0	100.0	0.0
243	0.	3	0.0	0.0	100.0	0.0
250	150.	3	0.0	0.0	100.0	0.0
-1						

FILENAME: PX138401.CT6   IRRIGATION OF WET REP #2 (PLOTS 13-16)

TRTNO   ID
01 PX138401

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
87	230.	3	0.0	0.0	100.0	0.0
151	150.	3	0.0	0.0	100.0	0.0
165	147.	3	0.0	0.0	100.0	0.0
173	0.	3	0.0	0.0	100.0	0.0
179	148.	3	0.0	0.0	100.0	0.0
193	150.	3	0.0	0.0	100.0	0.0
207	150.	3	0.0	0.0	100.0	0.0
221	150.	3	0.0	0.0	100.0	0.0
236	150.	3	0.0	0.0	100.0	0.0
243	0.	3	0.0	0.0	100.0	0.0
250	150.	3	0.0	0.0	100.0	0.0
-1						

FILENAME: PX088401.CT7   FERTILIZER MANAGEMENT   (ALL PLOTS)

TRTNO   ID
01 PX088401

JDFERT	FERTN DFERT	INTYPE FERTP	IPTYPE FERTK	IKTYPE FERTIN	IITYPE FERCOD	X1FERT Z1FERT	X2FERT Z2FERT
96	35.3 10.0	5 0.0	0 0.0	0 0.0	0 2	0.0 0.0	100.0 10.0
163	35.3 0.0	5 0.0	0 0.0	0 0.0	0 1	0.0 0.0	100.0 0.0
-1							

FILENAME: PX088401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX088401	01	NO CHAMBER, IRRIGATION=DRY, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐
ISOW	ROWSPC	IIRR EFFIRR	THETAC
ISIM	PLANTS	SDEPTH ISWNIT	DSOIL	IMERGE ↓

| 112 | 107 | 10.00 | 1.016 | 5.00 | 2 | 1 | 0.95 | 0.00 | 0.0 | 112 | 0 | 0 | 0 | 0 |

HISTORY
ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX118401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX118401	01	NO CHAMBER, IRRIGATION=DRY, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐
ISOW	ROWSPC	IIRR EFFIRR	THETAC
ISIM	PLANTS	SDEPTH ISWNIT	DSOIL	IMERGE ↓

| 112 | 107 | 10.00 | 1.016 | 5.00 | 2 | 1 | 0.95 | 0.00 | 0.0 | 112 | 0 | 0 | 0 | 0 |

HISTORY
ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX018401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX018401	01	NO CHAMBER, IRRIGATION=WET, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐
ISOW	ROWSPC	IIRR EFFIRR	THETAC
ISIM	PLANTS	SDEPTH ISWNIT	DSOIL	IMERGE ↓

| 112 | 107 | 10.00 | 1.016 | 5.00 | 2 | 1 | 0.95 | 0.00 | 0.0 | 112 | 0 | 0 | 0 | 0 |

HISTORY
ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX138401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX138401	01	NO CHAMBER, IRRIGATION=WET, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
112 107	10.00	1.016	5.00	2 1	0.95 0.00	0.0 112	0 0 0 0

HISTORY

ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX068401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX068401	01	CO2=AMBIENT, IRRIGATION=DRY, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
112 107	10.00	1.016	5.00	2 1	0.95 0.00	0.0 112	0 0 0 0

HISTORY

ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX128401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX128401	01	CO2=AMBIENT, IRRIGATION=DRY, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
112 107	10.00	1.016	5.00	2 1	0.95 0.00	0.0 112	0 0 0 0

HISTORY

ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX038401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX038401	01	CO2=AMBIENT, IRRIGATION=WET, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

ISOW		ROWSPC		IIRR	EFFIRR		THETAC			
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓	
112	107	10.00	1.016	5.00	2 1	0.95	0.00	0.0 112	0 0	0 0

HISTORY

ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX148401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX148401	01	CO2=AMBIENT, IRRIGATION=WET, REP=#2	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

ISOW		ROWSPC		IIRR	EFFIRR		THETAC			
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓	
112	107	10.00	1.016	5.00	2 1	0.95	0.00	0.0 112	0 0	0 0

HISTORY

ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX058401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX058401	01	CO2=500, IRRIGATION=DRY, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

ISOW		ROWSPC		IIRR	EFFIRR		THETAC			
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓	
112	107	10.00	1.016	5.00	2 1	0.95	0.00	0.0 112	0 0	0 0

HISTORY

ALFALFA FOR THE LAST THREE YEARS

FILENAME: _PX108401.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX108401	01	CO2=500, IRRIGATION=DRY, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC	
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE ↓
112 107	10.00	1.016	5.00 2 1	0.95 0.00	0.0 112 0	0 0 0

HISTORY
ALFALFA FOR THE LAST THREE YERAS

FILENAME: _PX028401.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX028401	01	CO2=500, IRRIGATION=WET, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC	
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE ↓
112 107	10.00	1.016	5.00 2 1	0.95 0.00	0.0 112 0	0 0 0

HISTORY
ALFALFA FOR THE LAST THREE YEARS

FILENAME: _PX168401.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX168401	01	CO2=500, IRRIGATION=WET, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC	
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE ↓
112 107	10.00	1.016	5.00 2 1	0.95 0.00	0.0 112 0	0 0 0

HISTORY
ALFALFA FOR THE LAST THREE YEARS

FILENAME: __PX078401.CT8__   TREATMENT MANAGEMENT FILE

ID	TRTNO			TITLET				ISOILT	IVARTY
PX078401	01	CO2=650, IRRIGATION=DRY, REP=#1						1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
112	107	10.00	1.016	5.00	2	1	0.95	0.00	0.0	112	0	0	0	0

___HISTORY___
ALFALFA FOR THE LAST THREE YEARS

FILENAME: __PX098401.CT8__   TREATMENT MANAGEMENT FILE

ID	TRTNO			TITLET				ISOILT	IVARTY
PX098401	01	CO2=650, IRRIGATION=DRY, REP=#2						1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
112	107	10.00	1.016	5.00	2	1	0.95	0.00	0.0	112	0	0	0	0

___HISTORY___
ALFALFA FOR THE LAST THREE YEARS

FILENAME: __PX048401.CT8__   TREATMENT MANAGEMENT FILE

ID	TRTNO			TITLET				ISOILT	IVARTY
PX048401	01	CO2=650, IRRIGATION=WET, REP=#1						1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
112	107	10.00	1.016	5.00	2	1	0.95	0.00	0.0	112	0	0	0	0

___HISTORY___
ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX158401.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX158401	01	CO2-650, IRRIGATION-WET, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options							
ISOW		ROWSPC	IIRR	EFFIRR	THETAC					
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE				
112	107	10.00	1.016	5.00	2	1	0.95	0.00	0.0	112 0 0 0 0

HISTORY
ALFALFA FOR THE LAST THREE YEARS

FILENAME: PX088401.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, DRY, REP #1)

```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX088401 01   1691.   2782.  0.0927  100.  37.   4.1 10686.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0  -9.0  -9.0
```

FILENAME: PX118401.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, DRY, REP #2)

```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX118401 01   2066.   3217.  0.0858  145.  26.   4.1 12169.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0  -9.0  -9.0
```

FILENAME: PX018401.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, WET, REP #1)

```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX018401 01   1355.   2248.  0.0955   88.  27.   5.2  9054.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0  -9.0  -9.0
```

FILENAME: PX138401.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, WET, REP #2)

```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX138401 01   2012.   3145.  0.0886  119.  30.   3.6 12241.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0  -9.0  -9.0
```

FILENAME: PX068401.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, REP #1)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX068401 01   1725.   2952.  0.0968   112.  28.   4.8 10330.    -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX128401.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, REP #2)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX128401 01   2186.   3670.  0.0975   141.  27.   5.3 13473.    -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX038401.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, REP #1)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX038401 01   1673.   2795.  0.0935   110.  28.   7.3 12518.    -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX148401.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, REP #2)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX148401 01   2171.   3655.  0.1001   132.  28.   5.6 15288.    -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```

FILENAME: PX058401.CTA   FINAL HARVEST DATA FILE (CO2=500, DRY, REP #1)


```
   ID   TRTNO XLTYLD   XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX058401 01    2516.    3943.  0.1042   158.  25.   5.4 13450.   -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX108401.CTA   FINAL HARVEST DATA FILE (CO2=500, DRY, REP #2)


```
   ID   TRTNO XLTYLD   XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX108401 01    2637.    4557.  0.1012   165.  28.   4.7 15665.   -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX028401.CTA   FINAL HARVEST DATA FILE (CO2=500, WET, REP #1)


```
   ID   TRTNO XLTYLD   XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX028401 01    2647.    4305.  0.0939   176.  26.   5.7 19790.   -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX168401.CTA   FINAL HARVEST DATA FILE (CO2=500, WET, REP #2)


```
   ID   TRTNO XLTYLD   XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX168401 01    3002.    4866.  0.0973   181.  28.   8.8 22116.   -9.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```

FILENAME: PX078401.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX078401	01	3517.	6333.	0.1001	221.	29.	7.5	20193.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX098401.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX098401	01	3415.	5352.	0.0956	214.	27.	5.1	18190.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX048401.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX048401	01	3781.	6616.	0.1048	215.	30.	10.7	27004.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX158401.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX158401	01	3615.	5996.	0.1011	198.	30.	10.1	27486.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX088401.CTB   MEASURED INTERMEDIATE GROWTH DATA
(NO CHAMBER, DRY, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX088401	01	112	150	178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	19.	0.34	117	43	0	0	0	27	247.	108.	-9.	0.	0.
163	34.	0.77	130	70	0	0	0	63	496.	290.	-9.	0.	0.
170	38.	1.29	153	103	1	3	0	140	1002.	704.	-9.	0.	0.
177	47.	1.73	173	200	2	0	0	133	996.	744.	-9.	19.	0.
184	61.	2.59	200	277	4	17	0	147	1410.	763.	-9.	128.	0.
191	67.	3.43	220	357	10	70	0	227	2294.	2089.	-9.	882.	0.
198	54.	2.66	177	113	10	113	0	167	1484.	1187.	-9.	1496.	0.
214	79.	3.88	253	47	1	170	7	333	2231.	1823.	-9.	3280.	327.
233	77.	4.06	283	93	1	90	53	317	3055.	2240.	-9.	3775.	2763.
290	77.	-9.00	-9	-9	-9	-9	106	-9	-9.	-9.	1160.	-9.	4750.

-1

FILENAME: PX118401.CTB   MEASURED INTERMEDIATE GROWTH DATA
(NO CHAMBER, DRY, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX118401	01	112	150	178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	21.	0.36	100	57	0	0	0	17	254.	116.	-9.	0.	0.
163	36.	1.40	153	153	0	0	0	83	861.	541.	-9.	0.	0.
170	37.	1.48	153	167	2	0	0	90	906.	686.	-9.	0.	0.
177	48.	1.53	170	243	5	17	0	90	930.	569.	-9.	70.	0.
184	58.	2.35	203	293	3	20	0	147	1480.	1076.	-9.	126.	0.
191	61.	2.99	217	257	11	73	0	190	1888.	1571.	-9.	1223.	0.
198	71.	3.59	240	123	5	120	0	223	1977.	1749.	-9.	1549.	0.
214	74.	3.71	250	53	1	100	7	407	2308.	1990.	-9.	3586.	302.
233	69.	4.14	250	23	0	263	57	257	2935.	2428.	-9.	3745.	2777.
290	69.	-9.00	-9	-9	-9	-9	145	-9	-9.	-9.	1200.	-9.	6377.

-1

FILENAME: <u>PX018401.CTB</u>   MEASURED INTERMEDIATE GROWTH DATA
                                      (NO CHAMBER, WET, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	

PX018401 01 112 145 175

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM JNSQRM	JNFLWM JNGBLM	JNMBLM JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	26.	0.58	133 103	0 0	0 43	396.	203.	-9.	0.	0.
163	27.	0.66	140 71	0 0	0 50	429.	219.	-9.	0.	0.
170	36.	0.88	150 107	1 0	0 47	532.	401.	-9.	0.	0.
177	50.	2.07	190 287	3 10	0 137	1314.	1213.	-9.	77.	0.
184	57.	2.58	210 357	7 30	0 133	1631.	1329.	-9.	258.	0.
191	55.	2.11	200 310	9 17	0 57	1290.	873.	-9.	30.	0.
198	65.	4.14	220 303	4 197	0 183	2292.	2310.	-9.	2056.	0.
214	80.	4.77	260 50	1 187	3 460	3696.	2749.	-9.	4694.	174.
233	77.	5.21	180 150	0 87	97 433	3652.	3295.	-9.	4813.	4813.
290	77.	-9.00	-9 -9	-9 -9	88 -9	-9.	-9.	800.	-9.	3579.
 -1

FILENAME: <u>PX138401.CTB</u>   MEASURED INTERMEDIATE GROWTH DATA
                                      (NO CHAMBER, WET, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	

PX138401 01 112 145 175

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM JNSQRM	JNFLWM JNGBLM	JNMBLM JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	27.	0.59	120 73	0 0	0 53	379.	198.	-9.	0.	0.
163	34.	0.90	143 87	0 0	0 63	525.	336.	-9.	0.	0.
170	42.	1.33	163 143	4 3	0 100	1008.	656.	-9.	0.	0.
177	54.	2.66	187 267	7 33	0 163	1742.	1346.	-9.	258.	0.
184	56.	2.49	203 310	6 77	0 97	1573.	1303.	-9.	735.	0.
191	60.	2.80	210 193	11 100	0 157	1969.	1638.	-9.	1202.	0.
198	65.	2.48	210 133	1 93	0 203	1596.	1236.	-9.	1271.	0.
214	68.	3.47	260 93	0 100	10 303	2233.	1712.	-9.	3077.	559.
233	70.	3.59	247 193	1 110	67 320	2985.	2891.	-9.	1460.	3203.
290	70.	-9.00	-9 -9	-9 -9	119 -9	-9.	-9.	1130.	-9.	5254.
 -1

FILENAME: PX068401.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX068401	01	112	152	178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	17.	0.33	117	50	0	0	0	17	214.	76.	-9.	0.	0.
163	30.	0.83	147	100	0	0	0	83	496.	284.	-9.	0.	0.
170	25.	0.50	147	40	0	0	0	83	342.	210.	-9.	0.	0.
177	43.	0.92	173	90	1	7	0	60	500.	261.	-9.	70.	0.
184	46.	2.08	203	317	5	23	0	117	1130.	656.	-9.	82.	0.
191	56.	1.95	217	280	4	30	0	127	1225.	918.	-9.	321.	0.
198	62.	2.64	227	280	9	60	0	147	1474.	1183.	-9.	428.	0.
214	74.	4.18	280	170	4	97	13	217	1870.	1539.	-9.	5244.	536.
233	82.	4.84	297	137	1	210	33	340	3120.	3056.	-9.	6300.	1830.
290	82.	-9.00	-9	-9	-9	-9	112	-9	-9.	-9.	1050.	-9.	4765.

-1

FILENAME: PX128401.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX128401	01	112	152	178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	14.	0.26	103	23	0	0	0	7	169.	50.	-9.	0.	0.
163	30.	1.14	150	123	0	0	0	70	668.	402.	-9.	0.	0.
170	30.	1.08	160	107	0	3	0	117	670.	420.	-9.	0.	0.
177	34.	1.16	180	197	2	0	0	80	805.	390.	-9.	19.	0.
184	57.	2.52	200	287	3	7	0	80	1429.	791.	-9.	59.	0.
191	63.	3.02	237	350	8	43	0	183	2009.	1548.	-9.	450.	0.
198	67.	3.31	217	246	6	87	0	143	1647.	1299.	-9.	590.	0.
214	76.	4.08	253	273	3	53	0	117	1966.	1695.	-9.	463.	0.
233	78.	5.27	287	83	1	163	30	513	3433.	2865.	-9.	6258.	1366.
290	78.	-9.00	-9	-9	-9	-9	141	-9	-9.	-9.	1100.	-9.	5935.

-1

FILENAME: PX038401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (AMBIENT, WET, REP #1)

          TRTNO   JSQRJD
     ID   JEMRGD   JFLRJD
PX038401 01 112   152   178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM		JNMBLM		XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM		JNGBLM		JNABSM		XWSTMH		XWGBLH	
156	16.	0.29	107	23	0	0	0	23	168.	66.	-9.	0.	0.
163	26.	0.84	143	50	0	0	0	60	452.	222.	-9.	0.	0.
170	27.	0.69	137	90	0	0	0	50	358.	207.	-9.	0.	0.
177	44.	1.78	173	243	0	10	0	90	948.	565.	-9.	23.	0.
184	62.	2.76	213	403	2	13	0	137	1500.	1063.	-9.	68.	0.
191	79.	2.85	233	367	8	40	0	73	1664.	1345.	-9.	125.	0.
198	70.	2.66	223	280	6	47	0	133	1253.	1184.	-9.	88.	0.
214	90.	7.26	253	157	6	187	0	347	3120.	3223.	-9.	4095.	0.
233	109.	5.95	293	80	0	300	7	303	3998.	4204.	-9.	7575.	409.
290	109.	-9.00	-9	-9	-9	-9	110	-9	-9.	-9.	1140.	-9.	4539.
-1													

FILENAME: PX148401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (AMBIENT, WET, REP #2)

          TRTNO   JSQRJD
     ID   JEMRGD   JFLRJD
PX148401 01 112   152   178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM		JNMBLM		XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM		JNGBLM		JNABSM		XWSTMH		XWGBLH	
156	18.	0.32	113	37	0	0	0	27	218.	81.	-9.	0.	0.
163	31.	0.87	137	80	0	0	0	66	439.	242.	-9.	0.	0.
170	34.	1.44	180	160	0	0	0	157	900.	566.	-9.	0.	0.
177	47.	2.01	187	267	3	13	0	157	1273.	824.	-9.	42.	0.
184	63.	2.91	217	423	5	3	0	143	1561.	1387.	-9.	10.	0.
191	72.	3.81	237	400	15	80	0	183	2312.	2189.	-9.	657.	0.
198	79.	4.16	253	357	5	70	0	190	2050.	1977.	-9.	410.	0.
214	92.	5.62	270	240	2	170	3	347	3219.	3362.	-9.	2848.	217.
233	99.	5.41	273	77	3	263	13	360	3514.	3740.	-9.	6164.	649.
290	99.	-9.00| -9	-9	-9	-9	132	-9	-9.	-9.	1370.	-9.	5920.
-1													

FILENAME: PX058401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=500, DRY, REP #1)

          TRTNO   JSQRJD
    ID   JEMRGD   JFLRJD
PX058401 01 112   150   178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

| | XPLTHT | | JNNODM | JNFLWM | | JNMBLM | | XWLEFH | | XWROTH | | XWMBLH |
JDOY		XLAI		JNSQRM		JNGBLM		JNABSM		XWSTMH		XWGBLH	
156	25.	0.51	133	63	0	0	0	47	354.	182.	-9.	0.	0.
163	23.	0.65	127	80	0	0	0	30	376.	207.	-9.	0.	0.
170	21.	0.47	140	67	0	0	0	57	422.	205.	-9.	0.	0.
177	60.	2.03	173	173	1	7	0	80	1158.	481.	-9.	17.	0.
184	63.	2.85	227	503	5	33	0	260	1752.	1483.	-9.	186.	0.
191	52.	1.84	210	363	14	57	0	110	1388.	1345.	-9.	543.	0.
198	53.	4.00	213	320	6	70	0	143	2605.	1281.	-9.	230.	0.
214	89.	5.39	283	377	3	113	10	430	3036.	3521.	-9.	2635.	522.
233	89.	4.67	293	217	4	307	0	480	3385.	3795.	-9.	4515.	0.
290	89.	-9.00	-9	-9	-9	-9	158	-9	-9.	-9.	1250.	-9.	6836.
-1													

FILENAME: PX108401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=500, DRY, REP #2)

          TRTNO   JSQRJD
    ID   JEMRGD   JFLRJD
PX108401 01 112   150   178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

| | XPLTHT | | JNNODM | JNFLWM | | JNMBLM | | XWLEFH | | XWROTH | | XWMBLH |
JDOY		XLAI		JNSQRM		JNGBLM		JNABSM		XWSTMH		XWGBLH	
156	29.	0.68	133	50	0	0	0	67	510.	237.	-9.	0.	0.
163	36.	1.34	147	100	0	0	0	130	838.	521.	-9.	0.	0.
170	51.	1.10	173	127	1	0	0	193	814.	705.	-9.	0.	0.
177	52.	1.98	190	250	1	13	0	143	1286.	956.	-9.	35.	0.
184	70.	3.39	220	550	7	43	0	240	2187.	2086.	-9.	409.	0.
191	81.	4.24	233	640	18	63	0	220	2734.	2857.	-9.	399.	0.
198	84.	4.31	243	447	9	120	0	283	2147.	2604.	-9.	395.	0.
214	103.	4.58	240	320	6	173	0	427	3299.	3946.	-9.	3467.	0.
233	85.	4.71	250	47	0	190	7	720	3565.	3966.	-9.	8047.	359.
290	85.	-9.00	-9	-9	-9	-9	165	-9	-9.	-9.	1600.	-9.	7309.
-1													

A-261

FILENAME: PX028401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                            (CO2=500, WET, REP #1)

```
        TRTNO    JSQRJD
   ID      JEMRGD   JFLRJD
PX028401 01  112   150   182
```

NOVAR
```
13 1 2 3 4 5 6 7 8 9 10 11 12 13
```

JDOY	XPLTHT	XLAI	JNNODM	JNFLWM	JNMBLM		JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
				JNSQRM	JNGBLM							
156	21.	0.49	133	47	0	0	0	20	351.	153.	-9.	0.	0.
163	36.	1.40	160	103	0	0	0	100	811.	508.	-9.	0.	0.
170	35.	1.05	173	167	0	0	0	133	804.	459.	-9.	0.	0.
177	47.	1.28	183	217	1	0	0	93	740.	671.	-9.	258.	0.
184	76.	3.02	207	377	10	17	0	133	1611.	1544.	-9.	58.	0.
191	79.	4.39	227	677	16	80	0	217	2660.	3087.	-9.	305.	0.
198	80.	3.20	220	320	11	60	0	123	1630.	1880.	-9.	348.	0.
214	100.	4.04	250	227	6	153	0	207	2674.	2501.	-9.	2395.	0.
233	103.	5.72	293	77	3	233	23	647	3808.	5310.	-9.	7300.	1414.
290	104.	-9.00	-9	-9	-9	-9	176	-9	-9.	-9.	1800.	-9.	7050.
-1													

FILENAME: PX168401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                            (CO2=500, WET, REP #2)

```
        TRTNO    JSQRJD
   ID      JEMRGD   JFLRJD
PX168401 01  112   150   182
```

NOVAR
```
13 1 2 3 4 5 6 7 8 9 10 11 12 13
```

JDOY	XPLTHT	XLAI	JNNODM	JNFLWM	JNMBLM		JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
				JNSQRM	JNGBLM							
156	30.	0.72	130	77	0	0	0	63	546.	269.	-9.	0.	0.
163	39.	1.46	160	173	0	0	0	130	861.	555.	-9.	0.	0.
170	56.	1.80	187	220	0	0	0	187	1331.	950.	-9.	0.	0.
177	71.	3.43	210	347	0	0	0	137	2047.	1741.	-9.	19.	0.
184	93.	4.44	237	230	3	20	0	297	2815.	2710.	-9.	57.	0.
191	85.	5.49	217	540	16	67	0	187	2758.	2548.	-9.	293.	0.
198	104.	8.79	260	603	6	190	0	447	3890.	5044.	-9.	795.	0.
214	123.	6.53	283	160	5	257	0	407	3901.	5470.	-9.	5693.	0.
233	108.	7.28	250	23	2	357	80	483	5094.	6444.	-9.	9609.	3474.
290	108.	-9.00	-9	-9	-9	-9	181	-9	-9.	-9.	1800.	-9.	8008.
-1													

FILENAME: <u>PX078401.CTB</u> MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, REP #1)

	TRTNO	JSQRJD	
<u>ID</u>	<u>JEMRGD</u>	<u>JFLRJD</u>	
PX078401	01	112	150	175

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	18.	0.35	100	30	0	0	0	20	360.	118.	-9.	0.	0.
163	33.	0.88	143	63	0	0	0	67	513.	312.	-9.	0.	0.
170	33.	0.84	157	113	0	0	0	93	759.	477.	-9.	0.	0.
177	46.	2.17	197	420	1	23	0	167	1251.	1379.	-9.	70.	0.
184	63.	3.78	207	737	5	13	0	180	2307.	2280.	-9.	82.	0.
191	73.	4.08	237	690	18	70	0	213	3006.	3051.	-9.	321.	0.
198	82.	4.62	253	627	17	133	0	280	2666.	3209.	-9.	428.	0.
214	103.	7.49	267	433	10	287	3	367	4205.	5121.	-9.	5244.	183.
233	104.	6.75	280	150·	2	273	0	323	4227.	4720.	-9.	6300.	0.
290	104.	-9.00	-9	-9	-9	-9	221	-9	-9.	-9.	2030.	-9.	9992.
-1

FILENAME: <u>PX098401.CTB</u> MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, REP #2)

	TRTNO	JSQRJD	
<u>ID</u>	<u>JEMRGD</u>	<u>JFLRJD</u>	
PX098401	01	112	150	175

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	32.	0.87	137	107	0	0	0	73	588.	293.	-9.	0.	0.
163	36.	1.15	153	143	0	0	0	100	710.	494.	-9.	0.	0.
170	47.	1.71	177	253	2	0	0	207	1480.	1136.	-9.	0.	0.
177	68.	2.89	203	437	9	43	0	137	1916.	1783.	-9.	166.	0.
184	69.	2.54	220	447	11	80	0	193	1752.	2353.	-9.	791.	0.
191	73.	3.01	223	430	16	47	0	187	2013.	2064.	-9.	330.	0.
198	74.	1.94	250	563	7	120	0	393	1281.	3217.	-9.	227.	0.
214	94.	4.94	263	237	2	227	7	553	4132.	4680.	-9.	7000.	359.
233	96.	5.11	297	237	11	207	40	540	4095.	5177.	-9.	5457.	2106.
290	97.	-9.00	-9	-9	-9	-9	214	-9	-9.	-9.	1460.	-9.	8908.
-1

FILENAME: PX048401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=650, WET, REP #1)
          TRTNO   JSQRJD
   ID   JEMRGD   JFLRJD
PX048401 01   112   152   178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNFLWM JNSQRM	JNMBLM	JNGBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	10.	0.19	87	20	0	0	0	7	167.	41.	-9.	0.	0.
163	30.	0.89	137	93	0	0	0	73	519.	320.	-9.	0.	0.
170	40.	1.34	167	137	0	0	0	67	1121.	633.	-9.	0.	0.
177	63.	3.35	200	557	1	7	0	147	2038.	2051.	-9.	19.	0.
184	72.	3.88	203	640	2	17	0	233	2741.	2414.	-9.	63.	0.
191	75.	4.47	223	607	15	73	0	153	2747.	3197.	-9.	247.	0.
198	84.	6.30	253	633	16	147	0	333	3355.	4367.	-9.	1087.	0.
214	102.	9.65	260	313	10	377	3	660	4873.	6706.	-9.	6845.	79.
233	108.	10.74	237	183	3	507	3	487	6258.	7975.	-9.	9900.	222.
290	108.	-9.00	-9	-9	-9	-9	215	-9	-9.	-9.	2100.	-9.	10531.
-1												

FILENAME: PX158401.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=650, WET, REP #2)
          TRTNO   JSQRJD
   ID   JEMRGD   JFLRJD
PX158401 01   112   152   178

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNFLWM JNSQRM	JNMBLM	JNGBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	24.	0.57	120	50	0	0	0	27	452.	180.	-9.	0.	0.
163	41.	1.14	163	83	0	0	0	113	667.	462.	-9.	0.	0.
170	51.	2.00	177	163	0	0	0	233	1804.	1192.	-9.	0.	0.
177	76.	4.78	210	547	1	30	0	263	3297.	2513.	-9.	189.	0.
184	94.	5.57	227	277	8	17	0	203	2965.	3668.	-9.	57.	0.
191	104.	4.56	237	623	24	60	0	180	2836.	3403.	-9.	158.	0.
198	89.	8.23	270	147	7	50	0	223	1325.	1515.	-9.	814.	0.
214	123.	7.83	283	283	7	363	3	420	5069.	7352.	-9.	6617.	191.
233	115.	10.06	267	147	1	437	63	690	5735.	9544.	-9.	9975.	4077.
290	115.	-9.00	-9	-9	-9	-9	198	-9	-9.	-9.	1980.	-9.	8879.
-1												

FILENAME: CTEXP85.DIR   EXPERIMENT FILE DIRECTORY FOR 1985

 EXPID , EXPERIMENT DESCRIPTION,   WEATHER FILE, SOIL FILE,
SOIL NITR., INITIAL SOIL, IRRIGATION, NITR. FERT, CROP MANAGMENT, GENETICS,
FINAL HARVEST, INTER GROWTH, OUTPUT 1, OUTPUT 2, OUTPUT 3, OUTPUT 4

PX088501 1985, CO2=NO CHAMBER,IRG=DRY,REP=1   PX080407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX088501.CT6 PX088501.CT7 PX088501.CT8 GENETICS.CT9
PX088501.CTA PX088501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX118501 1985, CO2=NO CHAMBER,IRG=DRY,REP=2   PX110407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX118501.CT6 PX088501.CT7 PX118501.CT8 GENETICS.CT9
PX118501.CTA PX118501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX018501 1985, CO2=NO CHAMBER,IRG=WET,REP=1   PX010407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX018501.CT6 PX088501.CT7 PX018501.CT8 GENETICS.CT9
PX018501.CTA PX018501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX138501 1985, CO2=NO CHAMBER,IRG=WET,REP=2   PX130407.W85 AVONGRAV.CT2
PX088501.CT4 PX138501.CT5 PX138501.CT6 PX088501.CT7 PX138501.CT8 GENETICS.CT9
PX138501.CTA PX138501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX068501 1985, CO2=AMBIENT,IRG=DRY,REP=1   PX060407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX088501.CT6 PX088501.CT7 PX068501.CT8 GENETICS.CT9
PX068501.CTA PX068501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX128501 1985, CO2=AMBIENT,IRG=DRY,REP=2   PX120407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX118501.CT6 PX088501.CT7 PX128501.CT8 GENETICS.CT9
PX128501.CTA PX128501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX038501 1985, CO2=AMBIENT,IRG=WET,REP=1   PX030407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX018501.CT6 PX088501.CT7 PX038501.CT8 GENETICS.CT9
PX038501.CTA PX038501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX148501 1985, CO2=AMBIENT,IRG=WET,REP=2   PX140407.W85 AVONGRAV.CT2
PX088501.CT4 PX138501.CT5 PX138501.CT6 PX088501.CT7 PX148501.CT8 GENETICS.CT9
PX148501.CTA PX148501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX058501 1985, CO2= 500,IRG=DRY,REP=1   PX050407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX088501.CT6 PX088501.CT7 PX058501.CT8 GENETICS.CT9
PX058501.CTA PX058501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX108501 1985, CO2= 500,IRG=DRY,REP=2   PX100407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX118501.CT6 PX088501.CT7 PX108501.CT8 GENETICS.CT9
PX108501.CTA PX108501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

```
PX028501 1985, CO2- 500,IRG=WET,REP=1              PX020407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX018501.CT6 PX088501.CT7 PX028501.CT8 GENETICS.CT9
PX028501.CTA PX028501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX168501 1985, CO2- 500,IRG=WET,REP=2              PX160407.W85 AVONGRAV.CT2
PX088501.CT4 PX138501.CT5 PX138501.CT6 PX088501.CT7 PX168501.CT8 GENETICS.CT9
PX168501.CTA PX168501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX078501 1985, CO2- 650,IRG=DRY,REP=1              PX070407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX088501.CT6 PX088501.CT7 PX078501.CT8 GENETICS.CT9
PX078501.CTA PX078501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX098501 1985, CO2- 650,IRG=DRY,REP=2              PX090407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX118501.CT6 PX088501.CT7 PX098501.CT8 GENETICS.CT9
PX098501.CTA PX098501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX048501 1985, CO2- 650,IRG=WET,REP=1              PX040407.W85 AVONDALE.CT2
PX088501.CT4 PX088501.CT5 PX018501.CT6 PX088501.CT7 PX048501.CT8 GENETICS.CT9
PX048501.CTA PX048501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX158501 1985, CO2- 650,IRG=WET,REP=2              PX150407.W85 AVONGRAV.CT2
PX088501.CT4 PX138501.CT5 PX138501.CT6 PX088501.CT7 PX158501.CT8 GENETICS.CT9
PX158501.CTA PX158501.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT
```

FILENAME: WTH85.DIR   WEATHER FILE DIRECTORY FOR 1985

WTHID	WEATHER STATION DESCRIPTION	BEGDATE	ENDDATE	WEATHER FILE
PX08	PHOENIX,AZ,CO2=NO CHAMBER,IRG=DRY,REP=1	04/04/85	10/02/85	PX080407.W85
PX11	PHOENIX,AZ,CO2=NO CHAMBER,IRG=DRY,REP=2	04/04/85	10/02/85	PX110407.W85
PX01	PHOENIX,AZ,CO2=NO CHAMBER,IRG=WET,REP=1	04/04/85	10/02/85	PX010407.W85
PX13	PHOENIX,AZ,CO2=NO CHAMBER,IRG=WET,REP=2	04/04/85	10/02/85	PX130407.W85
PX06	PHOENIX,AZ,CO2=AMBIENT,IRG=DRY,REP=1	04/04/85	10/02/85	PX060407.W85
PX12	PHOENIX,AZ,CO2=AMBIENT,IRG=DRY,REP=2	04/04/85	10/02/85	PX120407.W85
PX03	PHOENIX,AZ,CO2=AMBIENT,IRG=WET,REP=1	04/04/85	10/02/85	PX030407.W85
PX14	PHOENIX,AZ,CO2=AMBIENT,IRG=WET,REP=2	04/04/85	10/02/85	PX140407.W85
PX05	PHOENIX,AZ,CO2- 500,IRG=DRY,REP=1	04/04/85	10/02/85	PX050407.W85
PX10	PHOENIX,AZ,CO2- 500,IRG=DRY,REP=2	04/04/85	10/02/85	PX100407.W85
PX02	PHOENIX,AZ,CO2- 500,IRG=WET,REP=1	04/04/85	10/02/85	PX020407.W85
PX16	PHOENIX,AZ,CO2- 500,IRG=WET,REP=2	04/04/85	10/02/85	PX160407.W85
PX07	PHOENIX,AZ,CO2- 650,IRG=DRY,REP=1	04/04/85	10/02/85	PX070407.W85
PX09	PHOENIX,AZ,CO2- 650,IRG=DRY,REP=2	04/04/85	10/02/85	PX090407.W85
PX04	PHOENIX,AZ,CO2- 650,IRG=WET,REP=1	04/04/85	10/02/85	PX040407.W85
PX15	PHOENIX,AZ,CO2- 650,IRG=WET,REP=2	04/04/85	10/02/85	PX150407.W85

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓		CO2YR	WINDYR			
PX08	33.40	112.00	2.30	0 1 1 0 1	350	0.0				

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX08	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX08	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX08	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX08	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX08	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX08	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX08	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX08	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX08	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX08	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX08	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX08	85 106	23.42	36.5	18.1	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX08	85 107	24.54	34.4	22.0	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX08	85 108	25.31	26.6	13.6	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX08	85 109	28.01	29.5	11.6	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX08	85 110	21.55	29.7	13.6	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX08	85 111	12.79	25.9	16.3	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX08	85 112	27.99	28.2	12.2	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX08	85 113	29.60	32.6	15.2	0.0	0.00	78.8	1.1	0.0	0.0	350	23-Apr
PX08	85 114	29.00	34.9	14.3	0.0	0.00	105.4	3.2	0.0	0.0	350	24-Apr
PX08	85 115	29.60	31.4	17.8	0.0	0.00	228.7	1.5	0.0	0.0	350	25-Apr
PX08	85 116	22.60	21.5	12.6	0.0	0.00	204.4	0.9	0.0	0.0	350	26-Apr
PX08	85 117	12.50	24.0	11.4	0.0	0.00	128.8	8.2	0.0	0.0	350	27-Apr
PX08	85 118	21.50	23.6	13.1	3.0	0.00	86.8	9.3	0.0	0.0	350	28-Apr
PX08	85 119	29.20	30.4	11.5	0.0	0.00	87.8	8.6	0.0	0.0	350	29-Apr
PX08	85 120	27.80	37.1	16.8	0.0	0.00	88.5	10.0	0.0	0.0	350	30-Apr
PX08	85 121	27.80	40.2	20.3	0.0	0.00	141.0	9.5	0.0	0.0	350	01-May
PX08	85 122	27.30	39.4	21.8	0.0	0.00	115.7	10.3	0.0	0.0	350	02-May
PX08	85 123	28.80	38.9	23.2	23.4	0.00	123.3	12.2	0.0	0.0	350	03-May
PX08	85 124	30.50	35.8	20.5	0.0	0.00	148.3	8.2	0.0	0.0	350	04-May
PX08	85 125	25.10	34.1	18.2	0.0	0.00	118.0	7.5	0.0	0.0	350	05-May
PX08	85 126	30.60	34.8	17.5	0.0	0.00	118.9	4.5	0.0	0.0	350	06-May
PX08	85 127	22.90	34.2	16.6	0.0	0.00	59.5	0.6	0.0	0.0	350	07-May
PX08	85 128	28.00	37.0	17.2	0.0	0.00	75.3	3.0	0.0	0.0	350	08-May
PX08	85 129	19.70	37.3	21.5	0.0	0.00	178.3	5.9	0.0	0.0	350	09-May
PX08	85 130	31.70	25.7	19.8	0.0	0.00	236.4	3.9	0.0	0.0	350	10-May
PX08	85 131	30.90	27.9	14.1	0.0	0.00	100.8	3.2	0.0	0.0	350	11-May
PX08	85 132	31.10	27.9	14.8	0.0	0.00	89.9	4.1	0.0	0.0	350	12-May
PX08	85 133	31.40	31.5	15.0	0.0	0.00	73.5	3.0	0.0	0.0	350	13-May
PX08	85 134	31.80	33.9	15.8	0.0	0.00	63.6	-1.7	0.0	0.0	350	14-May
PX08	85 135	27.40	37.0	16.7	0.0	0.00	133.5	1.3	0.0	0.0	350	15-May
PX08	85 136	20.10	35.2	24.6	0.0	0.00	145.7	5.9	0.0	0.0	350	16-May
PX08	85 137	31.00	36.4	21.3	0.0	0.00	96.6	8.9	0.0	0.0	350	17-May
PX08	85 138	31.40	37.2	21.8	0.0	0.00	147.2	7.5	0.0	0.0	350	18-May
PX08	85 139	32.30	35.1	20.1	0.0	0.00	179.5	3.6	0.0	0.0	350	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	85	140	31.80	35.1	20.1	0.0	0.00	179.7	5.1	0.0	0.0	350	20-May
PX08	85	141	31.50	33.4	20.2	0.0	0.00	133.5	7.3	0.0	0.0	350	21-May
PX08	85	142	30.50	36.4	18.5	0.0	0.00	110.3	7.7	0.0	0.0	350	22-May
PX08	85	143	22.70	36.8	20.3	0.0	0.00	122.7	8.4	0.0	0.0	350	23-May
PX08	85	144	28.90	39.0	20.9	0.0	0.00	156.4	8.8	0.0	0.0	350	24-May
PX08	85	145	32.10	37.6	21.7	0.0	0.00	172.2	8.0	0.0	0.0	350	25-May
PX08	85	146	32.40	37.0	19.5	0.0	0.00	179.1	7.5	0.0	0.0	350	26-May
PX08	85	147	31.60	36.7	21.5	0.0	0.00	142.1	7.1	0.0	0.0	350	27-May
PX08	85	148	32.40	39.2	19.7	0.0	0.00	109.7	7.0	0.0	0.0	350	28-May
PX08	85	149	26.90	39.5	19.0	0.0	0.00	89.5	9.8	0.0	0.0	350	29-May
PX08	85	150	20.00	40.0	23.7	0.0	0.00	88.1	12.0	0.0	0.0	350	30-May
PX08	85	151	32.60	35.0	20.8	0.0	0.00	182.4	13.2	0.0	0.0	350	31-May
PX08	85	152	31.70	33.8	18.6	0.0	0.00	100.8	12.5	0.0	0.0	350	01-Jun
PX08	85	153	32.00	36.0	18.8	0.0	0.00	137.8	12.9	0.0	0.0	350	02-Jun
PX08	85	154	31.30	35.2	16.5	0.0	0.00	149.8	5.9	0.0	0.0	350	03-Jun
PX08	85	155	31.70	34.8	16.8	0.0	0.00	118.9	7.4	0.0	0.0	350	04-Jun
PX08	85	156	31.30	38.5	20.6	0.0	0.00	121.9	9.8	0.0	0.0	350	05-Jun
PX08	85	157	30.90	43.4	22.3	0.0	0.00	96.6	9.2	0.0	0.0	350	06-Jun
PX08	85	158	25.90	46.2	24.8	0.0	0.00	86.8	9.8	0.0	0.0	350	07-Jun
PX08	85	159	31.50	44.5	25.9	0.0	0.00	195.8	12.5	0.0	0.0	350	08-Jun
PX08	85	160	31.30	43.8	24.9	0.0	0.00	179.0	11.3	0.0	0.0	350	09-Jun
PX08	85	161	32.10	43.4	25.6	0.0	0.00	224.1	10.6	0.0	0.0	350	10-Jun
PX08	85	162	31.30	42.9	25.3	0.0	0.00	199.9	12.4	0.0	0.0	350	11-Jun
PX08	85	163	31.10	44.5	26.1	0.0	0.00	222.0	13.0	0.0	0.0	350	12-Jun
PX08	85	164	31.50	44.4	26.3	0.0	0.00	201.4	9.8	0.0	0.0	350	13-Jun
PX08	85	165	30.40	43.5	24.9	0.0	0.00	167.3	10.0	0.0	0.0	350	14-Jun
PX08	85	166	32.00	43.8	23.2	0.0	0.00	90.5	10.3	0.0	0.0	350	15-Jun
PX08	85	167	32.00	45.2	23.1	0.0	0.00	87.3	10.4	0.0	0.0	350	16-Jun
PX08	85	168	31.70	44.3	23.4	0.0	0.00	85.1	10.1	0.0	0.0	350	17-Jun
PX08	85	169	30.40	45.0	23.7	0.0	0.00	116.3	10.0	0.0	0.0	350	18-Jun
PX08	85	170	27.10	42.3	26.4	0.0	0.00	91.6	12.8	0.0	0.0	350	19-Jun
PX08	85	171	30.10	42.2	27.2	0.0	0.00	118.6	15.8	0.0	0.0	350	20-Jun
PX08	85	172	31.10	39.9	25.4	0.0	0.00	100.7	10.9	0.0	0.0	350	21-Jun
PX08	85	173	27.70	42.1	24.8	0.0	0.00	136.2	11.9	0.0	0.0	350	22-Jun
PX08	85	174	21.10	42.2	25.2	0.0	0.00	71.4	13.2	0.0	0.0	350	23-Jun
PX08	85	175	12.90	39.3	26.6	0.0	0.00	126.3	13.4	0.0	0.0	350	24-Jun
PX08	85	176	31.20	37.0	21.2	0.0	0.00	97.5	11.0	0.0	0.0	350	25-Jun
PX08	85	177	32.60	38.5	22.9	0.0	0.00	103.2	8.2	0.0	0.0	350	26-Jun
PX08	85	178	32.10	43.9	23.0	0.0	0.00	62.1	7.5	0.0	0.0	350	27-Jun
PX08	85	179	31.80	43.9	23.0	0.0	0.00	91.1	9.0	0.0	0.0	350	28-Jun
PX08	85	180	28.80	42.5	23.8	0.0	0.00	118.9	9.8	0.0	0.0	350	29-Jun
PX08	85	181	30.70	44.1	23.4	0.0	0.00	105.3	10.3	0.0	0.0	350	30-Jun
PX08	85	182	30.50	45.2	24.2	0.0	0.00	141.0	10.0	0.0	0.0	350	01-Jul
PX08	85	183	31.60	46.3	25.9	0.0	0.00	146.3	8.5	0.0	0.0	350	02-Jul
PX08	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	350	03-Jul
PX08	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	350	04-Jul
PX08	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	350	05-Jul
PX08	85	187	29.40	42.4	28.9	0.0	0.00	125.6	18.9	0.0	0.0	350	06-Jul
PX08	85	188	28.20	43.7	30.3	0.0	0.00	136.1	17.7	0.0	0.0	350	07-Jul
PX08	85	189	26.30	45.1	30.9	0.0	0.00	142.8	16.3	0.0	0.0	350	08-Jul
PX08	85	190	29.40	40.9	30.9	0.0	0.00	146.2	19.2	0.0	0.0	350	09-Jul
PX08	85	191	29.70	42.9	29.0	0.0	0.00	133.1	18.4	0.0	0.0	350	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	85	192	29.30	44.6	29.0	0.0	0.00	107.4	18.1	0.0	0.0	350	11-Jul
PX08	85	193	28.40	44.9	31.1	0.0	0.00	110.2	17.0	0.0	0.0	350	12-Jul
PX08	85	194	22.80	44.3	28.9	0.0	0.00	123.7	17.7	0.0	0.0	350	13-Jul
PX08	85	195	27.70	42.7	30.6	0.0	0.00	147.6	18.4	0.0	0.0	350	14-Jul
PX08	85	196	29.20	40.8	28.3	23.0	0.00	185.1	20.2	0.0	0.0	350	15-Jul
PX08	85	197	26.20	38.6	23.8	0.0	0.00	97.8	22.5	0.0	0.0	350	16-Jul
PX08	85	198	30.30	39.8	27.7	0.0	0.00	168.8	21.9	0.0	0.0	350	17-Jul
PX08	85	199	18.30	34.3	24.3	5.0	0.00	110.3	22.3	0.0	0.0	350	18-Jul
PX08	85	200	19.20	36.3	26.3	0.0	0.00	129.1	21.7	0.0	0.0	350	19-Jul
PX08	85	201	28.80	40.0	28.2	0.0	0.00	91.9	21.5	0.0	0.0	350	20-Jul
PX08	85	202	30.80	41.2	28.1	0.0	0.00	127.3	20.2	0.0	0.0	350	21-Jul
PX08	85	203	30.80	41.0	28.9	0.0	0.00	133.5	18.4	0.0	0.0	350	22-Jul
PX08	85	204	31.20	40.8	27.7	0.0	0.00	107.5	17.2	0.0	0.0	350	23-Jul
PX08	85	205	30.39	40.1	26.6	0.0	0.00	89.8	12.5	0.0	0.0	350	24-Jul
PX08	85	206	30.80	40.1	26.6	0.0	0.00	135.7	12.5	0.0	0.0	350	25-Jul
PX08	85	207	30.60	42.9	24.4	0.0	0.00	125.5	15.2	0.0	0.0	350	26-Jul
PX08	85	208	22.00	40.5	30.2	0.0	0.00	235.4	18.0	0.0	0.0	350	27-Jul
PX08	85	209	25.60	39.3	28.4	0.0	0.00	171.5	20.5	0.0	0.0	350	28-Jul
PX08	85	210	25.70	40.3	28.4	0.0	0.00	123.4	21.2	0.0	0.0	350	29-Jul
PX08	85	211	30.00	41.1	27.6	0.0	0.00	114.3	21.1	0.0	0.0	350	30-Jul
PX08	85	212	29.90	41.8	27.8	0.0	0.00	117.6	16.9	0.0	0.0	350	31-Jul
PX08	85	213	18.60	37.2	27.5	0.0	0.00	167.2	21.0	0.0	0.0	350	01-Aug
PX08	85	214	24.80	38.0	27.0	0.0	0.00	145.1	21.9	0.0	0.0	350	02-Aug
PX08	85	215	28.50	40.2	27.4	0.0	0.00	86.6	21.3	0.0	0.0	350	03-Aug
PX08	85	216	29.60	41.4	28.7	0.0	0.00	116.4	18.7	0.0	0.0	350	04-Aug
PX08	85	217	28.50	41.8	27.1	0.0	0.00	108.4	14.8	0.0	0.0	350	05-Aug
PX08	85	218	28.80	41.7	25.8	0.0	0.00	110.5	17.3	0.0	0.0	350	06-Aug
PX08	85	219	26.50	41.1	29.9	0.0	0.00	139.5	19.5	0.0	0.0	350	07-Aug
PX08	85	220	28.50	41.6	27.9	0.0	0.00	110.9	19.6	0.0	0.0	350	08-Aug
PX08	85	221	29.50	40.4	27.6	0.0	0.00	121.6	17.6	0.0	0.0	350	09-Aug
PX08	85	222	29.00	39.4	24.7	0.0	0.00	160.3	17.4	0.0	0.0	350	10-Aug
PX08	85	223	26.80	39.5	28.4	0.0	0.00	197.5	20.7	0.0	0.0	350	11-Aug
PX08	85	224	29.40	38.1	25.9	0.0	0.00	168.4	13.2	0.0	0.0	350	12-Aug
PX08	85	225	29.40	40.0	24.6	0.0	0.00	178.5	11.8	0.0	0.0	350	13-Aug
PX08	85	226	30.10	40.5	22.2	0.0	0.00	176.8	7.8	0.0	0.0	350	14-Aug
PX08	85	227	29.10	40.8	20.9	0.0	0.00	174.9	7.8	0.0	0.0	350	15-Aug
PX08	85	228	28.50	40.8	22.7	0.0	0.00	189.7	10.7	0.0	0.0	350	16-Aug
PX08	85	229	19.30	38.5	27.1	0.0	0.00	191.4	13.2	0.0	0.0	350	17-Aug
PX08	85	230	27.20	40.8	26.8	0.0	0.00	210.5	15.9	0.0	0.0	350	18-Aug
PX08	85	231	27.40	40.5	28.7	0.0	0.00	228.7	17.5	0.0	0.0	350	19-Aug
PX08	85	232	20.20	33.7	23.5	21.0	0.00	112.9	21.9	0.0	0.0	350	20-Aug
PX08	85	233	27.30	38.5	25.9	0.0	0.00	65.3	21.4	0.0	0.0	350	21-Aug
PX08	85	234	26.90	41.3	27.1	0.0	0.00	61.9	20.0	0.0	0.0	350	22-Aug
PX08	85	235	27.80	43.6	25.9	0.0	0.00	75.1	19.1	0.0	0.0	350	23-Aug
PX08	85	236	24.10	45.1	27.8	0.0	0.00	128.9	18.9	0.0	0.0	350	24-Aug
PX08	85	237	22.20	43.4	31.0	0.0	0.00	162.1	21.2	0.0	0.0	350	25-Aug
PX08	85	238	25.00	39.8	29.7	0.0	0.00	201.6	21.3	0.0	0.0	350	26-Aug
PX08	85	239	24.80	41.4	29.6	0.0	0.00	196.6	22.8	0.0	0.0	350	27-Aug
PX08	85	240	26.20	42.5	27.7	0.0	0.00	175.3	19.1	0.0	0.0	350	28-Aug
PX08	85	241	25.80	44.1	29.8	0.0	0.00	173.0	19.9	0.0	0.0	350	29-Aug
PX08	85	242	26.60	43.6	29.7	0.0	0.00	222.5	17.2	0.0	0.0	350	30-Aug
PX08	85	243	26.10	40.4	27.8	6.0	0.00	227.0	18.7	0.0	0.0	350	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	85	244	23.40	36.2	25.9	0.0	0.00	96.8	20.7	0.0	0.0	350	01-Sep
PX08	85	245	25.20	39.3	26.3	0.0	0.00	114.9	18.1	0.0	0.0	350	02-Sep
PX08	85	246	23.60	39.6	27.1	0.0	0.00	160.4	14.0	0.0	0.0	350	03-Sep
PX08	85	247	21.60	35.5	23.1	0.0	0.00	176.5	10.9	0.0	0.0	350	04-Sep
PX08	85	248	23.40	32.5	20.0	0.0	0.00	98.3	9.9	0.0	0.0	350	05-Sep
PX08	85	249	19.40	33.8	20.7	0.0	0.00	132.7	12.7	0.0	0.0	350	06-Sep
PX08	85	250	26.10	34.4	20.6	0.0	0.00	101.3	12.1	0.0	0.0	350	07-Sep
PX08	85	251	24.90	36.3	19.9	0.0	0.00	115.3	11.2	0.0	0.0	350	08-Sep
PX08	85	252	16.00	32.6	21.4	0.0	0.00	78.9	10.1	0.0	0.0	350	09-Sep
PX08	85	253	13.80	34.5	23.3	0.0	0.00	83.2	11.3	0.0	0.0	350	10-Sep
PX08	85	254	24.10	31.4	19.0	0.0	0.00	189.4	11.9	0.0	0.0	350	11-Sep
PX08	85	255	25.10	34.1	14.4	0.0	0.00	54.0	3.6	0.0	0.0	350	12-Sep
PX08	85	256	24.80	37.8	15.8	0.0	0.00	77.7	6.4	0.0	0.0	350	13-Sep
PX08	85	257	22.40	47.2	20.7	0.0	0.00	73.5	12.7	0.0	0.0	350	14-Sep
PX08	85	258	17.00	39.3	26.5	0.0	0.00	107.0	15.2	0.0	0.0	350	15-Sep
PX08	85	259	16.50	39.5	23.7	0.0	0.00	91.6	11.0	0.0	0.0	350	16-Sep
PX08	85	260	24.10	39.0	22.9	0.0	0.00	150.9	11.2	0.0	0.0	350	17-Sep
PX08	85	261	11.90	27.2	17.8	17.0	0.00	145.6	17.9	0.0	0.0	350	18-Sep
PX08	85	262	23.60	28.9	16.4	1.0	0.00	99.1	12.9	0.0	0.0	350	19-Sep
PX08	85	263	23.30	29.1	16.0	0.0	0.00	57.6	11.1	0.0	0.0	350	20-Sep
PX08	85	264	23.60	32.1	17.3	0.0	0.00	48.5	11.8	0.0	0.0	350	21-Sep
PX08	85	265	23.50	33.8	18.1	0.0	0.00	101.0	12.7	0.0	0.0	350	22-Sep
PX08	85	266	19.50	35.3	19.6	0.0	0.00	75.0	13.2	0.0	0.0	350	23-Sep
PX08	85	267	22.90	37.1	18.7	0.0	0.00	72.3	15.4	0.0	0.0	350	24-Sep
PX08	85	268	21.20	37.0	19.2	0.0	0.00	89.7	12.9	0.0	0.0	350	25-Sep
PX08	85	269	21.80	37.5	20.2	5.0	0.00	108.8	12.6	0.0	0.0	350	26-Sep
PX08	85	270	18.50	32.8	21.1	1.0	0.00	169.8	15.6	0.0	0.0	350	27-Sep
PX08	85	271	15.00	28.7	20.8	0.0	0.00	170.0	16.0	0.0	0.0	350	28-Sep
PX08	85	272	21.90	30.3	17.5	0.0	0.00	73.8	14.3	0.0	0.0	350	29-Sep
PX08	85	273	16.90	32.0	20.6	0.0	0.00	60.2	12.4	0.0	0.0	350	30-Sep
PX08	85	274	20.90	33.2	17.0	0.0	0.00	60.5	10.5	0.0	0.0	350	01-Oct
PX08	85	275	20.80	32.8	19.8	0.0	0.00	76.1	11.9	0.0	0.0	350	02-Oct

FILENAME: PX110407.W85   WEATHER DATA FOR NO CHAMBER, IRRIGATION-DRY, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX11	33.40	112.00	2.30	0 1 1 0 1					350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX11	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX11	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX11	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX11	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX11	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX11	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX11	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX11	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX11	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX11	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX11	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX11	85 106	23.42	36.5	18.1	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX11	85 107	24.54	34.4	22.0	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX11	85 108	25.31	26.6	13.6	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX11	85 109	28.01	29.5	11.6	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX11	85 110	21.55	29.7	13.6	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX11	85 111	12.79	25.9	16.3	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX11	85 112	27.99	28.2	12.2	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX11	85 113	29.60	32.6	15.2	0.0	0.00	78.8	1.1	0.0	0.0	350	23-Apr
PX11	85 114	29.00	33.7	14.9	0.0	0.00	105.4	3.2	0.0	0.0	350	24-Apr
PX11	85 115	29.60	30.5	17.7	0.0	0.00	228.7	1.5	0.0	0.0	350	25-Apr
PX11	85 116	22.60	20.6	12.6	0.0	0.00	204.4	0.9	0.0	0.0	350	26-Apr
PX11	85 117	12.50	23.5	11.3	0.0	0.00	128.8	8.2	0.0	0.0	350	27-Apr
PX11	85 118	21.50	21.3	12.6	3.0	0.00	86.8	9.3	0.0	0.0	350	28-Apr
PX11	85 119	29.20	28.3	11.1	0.0	0.00	87.8	8.6	0.0	0.0	350	29-Apr
PX11	85 120	27.80	35.7	16.5	0.0	0.00	88.5	10.0	0.0	0.0	350	30-Apr
PX11	85 121	27.80	38.6	20.2	0.0	0.00	141.0	9.5	0.0	0.0	350	01-May
PX11	85 122	27.30	37.5	22.1	0.0	0.00	115.7	10.3	0.0	0.0	350	02-May
PX11	85 123	28.80	37.4	23.3	23.4	0.00	123.3	12.2	0.0	0.0	350	03-May
PX11	85 124	30.50	36.0	20.4	0.0	0.00	148.3	8.2	0.0	0.0	350	04-May
PX11	85 125	25.10	34.3	18.1	0.0	0.00	118.0	7.5	0.0	0.0	350	05-May
PX11	85 126	30.60	34.8	17.7	0.0	0.00	118.9	4.5	0.0	0.0	350	06-May
PX11	85 127	22.90	34.3	17.3	0.0	0.00	59.5	0.6	0.0	0.0	350	07-May
PX11	85 128	28.00	37.5	17.5	0.0	0.00	75.3	3.0	0.0	0.0	350	08-May
PX11	85 129	19.70	37.4	21.8	0.0	0.00	178.3	5.9	0.0	0.0	350	09-May
PX11	85 130	31.70	27.0	19.3	0.0	0.00	236.4	3.9	0.0	0.0	350	10-May
PX11	85 131	30.90	28.7	14.3	0.0	0.00	100.8	3.2	0.0	0.0	350	11-May
PX11	85 132	31.10	29.9	14.8	0.0	0.00	89.9	4.1	0.0	0.0	350	12-May
PX11	85 133	31.40	33.0	15.3	0.0	0.00	73.5	3.0	0.0	0.0	350	13-May
PX11	85 134	31.80	34.1	16.0	0.0	0.00	63.6	-3.5	0.0	0.0	350	14-May
PX11	85 135	27.40	37.3	17.3	0.0	0.00	133.5	-0.7	0.0	0.0	350	15-May
PX11	85 136	20.10	35.2	24.8	0.0	0.00	145.7	4.6	0.0	0.0	350	16-May
PX11	85 137	31.00	36.8	21.2	0.0	0.00	96.6	7.8	0.0	0.0	350	17-May
PX11	85 138	31.40	37.8	21.8	0.0	0.00	147.2	6.5	0.0	0.0	350	18-May
PX11	85 139	32.30	35.3	20.5	0.0	0.00	179.5	1.3	0.0	0.0	350	19-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	85 140	31.80	35.9	20.3	0.0	0.00	179.7	3.6	0.0	0.0	350	20-May
PX11	85 141	31.50	35.0	20.4	0.0	0.00	133.5	6.2	0.0	0.0	350	21-May
PX11	85 142	30.50	37.3	18.8	0.0	0.00	110.3	6.5	0.0	0.0	350	22-May
PX11	85 143	22.70	36.7	20.3	0.0	0.00	122.7	7.0	0.0	0.0	350	23-May
PX11	85 144	28.90	39.0	20.9	0.0	0.00	156.4	8.8	0.0	0.0	350	24-May
PX11	85 145	32.10	38.4	20.2	0.0	0.00	172.2	9.3	0.0	0.0	350	25-May
PX11	85 146	32.40	37.9	17.9	0.0	0.00	179.1	7.1	0.0	0.0	350	26-May
PX11	85 147	31.60	37.5	19.2	0.0	0.00	142.1	6.4	0.0	0.0	350	27-May
PX11	85 148	32.40	40.4	20.1	0.0	0.00	109.7	8.5	0.0	0.0	350	28-May
PX11	85 149	26.90	39.5	19.0	0.0	0.00	89.5	12.3	0.0	0.0	350	29-May
PX11	85 150	20.00	40.0	23.7	0.0	0.00	88.1	13.7	0.0	0.0	350	30-May
PX11	85 151	32.60	36.0	20.5	0.0	0.00	182.4	14.5	0.0	0.0	350	31-May
PX11	85 152	31.70	34.3	19.1	0.0	0.00	100.8	4.5	0.0	0.0	350	01-Jun
PX11	85 153	32.00	36.4	19.3	0.0	0.00	137.8	3.6	0.0	0.0	350	02-Jun
PX11	85 154	31.30	33.3	20.0	0.0	0.00	149.8	5.4	0.0	0.0	350	03-Jun
PX11	85 155	31.70	36.0	17.1	0.0	0.00	118.9	6.1	0.0	0.0	350	04-Jun
PX11	85 156	31.30	39.4	21.1	0.0	0.00	121.9	8.9	0.0	0.0	350	05-Jun
PX11	85 157	30.90	43.5	22.5	0.0	0.00	96.6	9.7	0.0	0.0	350	06-Jun
PX11	85 158	25.90	46.5	25.2	0.0	0.00	86.8	10.4	0.0	0.0	350	07-Jun
PX11	85 159	31.50	45.4	26.1	0.0	0.00	195.8	11.3	0.0	0.0	350	08-Jun
PX11	85 160	31.30	45.1	24.9	0.0	0.00	179.0	10.6	0.0	0.0	350	09-Jun
PX11	85 161	32.10	43.9	25.9	0.0	0.00	224.1	12.7	0.0	0.0	350	10-Jun
PX11	85 162	31.30	42.6	25.8	0.0	0.00	199.9	13.1	0.0	0.0	350	11-Jun
PX11	85 163	31.10	44.1	26.7	0.0	0.00	222.0	14.3	0.0	0.0	350	12-Jun
PX11	85 164	31.50	44.2	26.5	0.0	0.00	201.4	12.5	0.0	0.0	350	13-Jun
PX11	85 165	30.40	42.4	24.9	0.0	0.00	167.3	9.8	0.0	0.0	350	14-Jun
PX11	85 166	32.00	43.8	23.5	0.0	0.00	90.5	9.4	0.0	0.0	350	15-Jun
PX11	85 167	32.00	44.9	24.6	0.0	0.00	87.3	10.0	0.0	0.0	350	16-Jun
PX11	85 168	31.70	44.1	24.6	0.0	0.00	85.1	11.1	0.0	0.0	350	17-Jun
PX11	85 169	30.40	45.2	24.8	0.0	0.00	116.3	7.1	0.0	0.0	350	18-Jun
PX11	85 170	27.10	45.2	26.7	0.0	0.00	91.6	10.3	0.0	0.0	350	19-Jun
PX11	85 171	30.10	41.5	28.6	0.0	0.00	118.6	13.2	0.0	0.0	350	20-Jun
PX11	85 172	31.10	38.5	25.8	0.0	0.00	100.7	9.2	0.0	0.0	350	21-Jun
PX11	85 173	27.70	40.4	25.1	0.0	0.00	136.2	10.3	0.0	0.0	350	22-Jun
PX11	85 174	21.10	40.9	26.5	0.0	0.00	71.4	11.1	0.0	0.0	350	23-Jun
PX11	85 175	12.90	37.0	28.0	0.0	0.00	126.3	10.9	0.0	0.0	350	24-Jun
PX11	85 176	31.20	36.7	22.8	0.0	0.00	97.5	7.8	0.0	0.0	350	25-Jun
PX11	85 177	32.60	40.1	23.6	0.0	0.00	103.2	4.5	0.0	0.0	350	26-Jun
PX11	85 178	32.10	42.6	20.5	0.0	0.00	62.1	3.4	0.0	0.0	350	27-Jun
PX11	85 179	31.80	42.7	24.0	0.0	0.00	91.1	7.0	0.0	0.0	350	28-Jun
PX11	85 180	28.80	41.6	24.6	0.0	0.00	118.9	8.2	0.0	0.0	350	29-Jun
PX11	85 181	30.70	42.6	23.6	0.0	0.00	105.3	12.2	0.0	0.0	350	30-Jun
PX11	85 182	30.50	44.4	24.5	0.0	0.00	141.0	8.8	0.0	0.0	350	01-Jul
PX11	85 183	31.60	45.3	26.5	0.0	0.00	146.3	7.1	0.0	0.0	350	02-Jul
PX11	85 184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	350	03-Jul
PX11	85 185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	350	04-Jul
PX11	85 186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	350	05-Jul
PX11	85 187	29.40	40.9	28.8	0.0	0.00	125.6	17.7	0.0	0.0	350	06-Jul
PX11	85 188	28.20	41.7	30.3	0.0	0.00	136.1	16.4	0.0	0.0	350	07-Jul
PX11	85 189	26.30	44.8	31.2	0.0	0.00	142.8	13.8	0.0	0.0	350	08-Jul
PX11	85 190	29.40	41.2	32.1	0.0	0.00	146.2	17.5	0.0	0.0	350	09-Jul
PX11	85 191	29.70	42.6	29.6	0.0	0.00	133.1	16.9	0.0	0.0	350	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	85	192	29.30	44.4	29.3	0.0	0.00	107.4	16.8	0.0	0.0	350	11-Jul
PX11	85	193	28.40	43.5	31.8	0.0	0.00	110.2	15.6	0.0	0.0	350	12-Jul
PX11	85	194	22.80	42.9	29.4	0.0	0.00	123.7	16.7	0.0	0.0	350	13-Jul
PX11	85	195	27.70	41.5	30.7	0.0	0.00	147.6	17.4	0.0	0.0	350	14-Jul
PX11	85	196	29.20	41.2	28.7	23.0	0.00	185.1	18.8	0.0	0.0	350	15-Jul
PX11	85	197	26.20	37.0	23.3	0.0	0.00	97.8	20.8	0.0	0.0	350	16-Jul
PX11	85	198	30.30	38.0	27.3	0.0	0.00	168.8	21.2	0.0	0.0	350	17-Jul
PX11	85	199	18.30	31.9	23.9	5.0	0.00	110.3	22.1	0.0	0.0	350	18-Jul
PX11	85	200	19.20	34.0	25.3	0.0	0.00	129.1	21.2	0.0	0.0	350	19-Jul
PX11	85	201	28.80	37.4	27.5	0.0	0.00	91.9	21.0	0.0	0.0	350	20-Jul
PX11	85	202	30.80	39.6	27.0	0.0	0.00	127.3	19.7	0.0	0.0	350	21-Jul
PX11	85	203	30.80	38.9	28.6	0.0	0.00	133.5	16.9	0.0	0.0	350	22-Jul
PX11	85	204	31.20	40.2	27.0	0.0	0.00	107.5	16.4	0.0	0.0	350	23-Jul
PX11	85	205	30.39	40.1	26.6	0.0	0.00	89.8	12.0	0.0	0.0	350	24-Jul
PX11	85	206	30.80	40.3	25.9	0.0	0.00	135.7	10.4	0.0	0.0	350	25-Jul
PX11	85	207	30.60	40.7	25.1	0.0	0.00	125.5	13.6	0.0	0.0	350	26-Jul
PX11	85	208	22.00	39.4	30.6	0.0	0.00	235.4	16.0	0.0	0.0	350	27-Jul
PX11	85	209	25.60	37.9	28.7	0.0	0.00	171.5	21.0	0.0	0.0	350	28-Jul
PX11	85	210	25.70	38.3	28.7	0.0	0.00	123.4	21.3	0.0	0.0	350	29-Jul
PX11	85	211	30.00	40.2	28.6	0.0	0.00	114.3	20.2	0.0	0.0	350	30-Jul
PX11	85	212	29.90	41.9	28.9	0.0	0.00	117.6	15.9	0.0	0.0	350	31-Jul
PX11	85	213	18.60	36.7	28.5	0.0	0.00	167.2	19.2	0.0	0.0	350	01-Aug
PX11	85	214	24.80	37.1	27.7	0.0	0.00	145.1	20.6	0.0	0.0	350	02-Aug
PX11	85	215	28.50	38.3	27.8	0.0	0.00	86.6	20.4	0.0	0.0	350	03-Aug
PX11	85	216	29.60	39.6	28.8	0.0	0.00	116.4	17.7	0.0	0.0	350	04-Aug
PX11	85	217	28.50	40.0	27.5	0.0	0.00	108.4	13.2	0.0	0.0	350	05-Aug
PX11	85	218	28.80	40.2	26.2	0.0	0.00	110.5	16.2	0.0	0.0	350	06-Aug
PX11	85	219	26.50	40.2	29.6	0.0	0.00	139.5	18.4	0.0	0.0	350	07-Aug
PX11	85	220	28.50	40.3	27.9	0.0	0.00	110.9	18.4	0.0	0.0	350	08-Aug
PX11	85	221	29.50	39.0	27.8	0.0	0.00	121.6	15.8	0.0	0.0	350	09-Aug
PX11	85	222	29.00	38.7	27.3	0.0	0.00	160.3	15.2	0.0	0.0	350	10-Aug
PX11	85	223	26.80	39.6	28.9	0.0	0.00	197.5	19.2	0.0	0.0	350	11-Aug
PX11	85	224	29.40	38.3	25.9	0.0	0.00	168.4	13.1	0.0	0.0	350	12-Aug
PX11	85	225	29.40	40.7	25.1	0.0	0.00	178.5	11.5	0.0	0.0	350	13-Aug
PX11	85	226	30.10	41.2	23.1	0.0	0.00	176.8	7.3	0.0	0.0	350	14-Aug
PX11	85	227	29.10	41.2	21.6	0.0	0.00	174.9	6.4	0.0	0.0	350	15-Aug
PX11	85	228	28.50	40.7	23.8	0.0	0.00	189.7	10.4	0.0	0.0	350	16-Aug
PX11	85	229	19.30	37.7	27.0	0.0	0.00	191.4	14.3	0.0	0.0	350	17-Aug
PX11	85	230	27.20	40.3	26.8	0.0	0.00	210.5	16.9	0.0	0.0	350	18-Aug
PX11	85	231	27.40	40.9	28.5	0.0	0.00	228.7	18.1	0.0	0.0	350	19-Aug
PX11	85	232	20.20	34.0	23.9	21.0	0.00	112.9	21.7	0.0	0.0	350	20-Aug
PX11	85	233	27.30	38.6	26.3	0.0	0.00	65.3	21.3	0.0	0.0	350	21-Aug
PX11	85	234	26.90	41.7	26.9	0.0	0.00	61.9	20.1	0.0	0.0	350	22-Aug
PX11	85	235	27.80	42.5	26.2	0.0	0.00	75.1	18.9	0.0	0.0	350	23-Aug
PX11	85	236	24.10	44.2	28.3	0.0	0.00	128.9	18.1	0.0	0.0	350	24-Aug
PX11	85	237	22.20	43.4	31.0	0.0	0.00	162.1	19.1	0.0	0.0	350	25-Aug
PX11	85	238	25.00	40.4	29.9	0.0	0.00	201.6	19.9	0.0	0.0	350	26-Aug
PX11	85	239	24.80	43.3	29.8	0.0	0.00	196.6	22.8	0.0	0.0	350	27-Aug
PX11	85	240	26.20	43.7	26.1	0.0	0.00	175.3	19.9	0.0	0.0	350	28-Aug
PX11	85	241	25.80	45.2	29.1	0.0	0.00	173.0	18.6	0.0	0.0	350	29-Aug
PX11	85	242	26.60	43.1	29.6	0.0	0.00	222.5	19.7	0.0	0.0	350	30-Aug
PX11	85	243	26.10	40.4	28.2	6.0	0.00	227.0	21.2	0.0	0.0	350	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	85	244	23.40	36.3	25.8	0.0	0.00	96.8	20.9	0.0	0.0	350	01-Sep
PX11	85	245	25.20	39.4	26.8	0.0	0.00	114.9	19.2	0.0	0.0	350	02-Sep
PX11	85	246	23.60	39.3	27.2	0.0	0.00	160.4	14.6	0.0	0.0	350	03-Sep
PX11	85	247	21.60	35.4	23.2	0.0	0.00	176.5	11.4	0.0	0.0	350	04-Sep
PX11	85	248	23.40	33.3	20.1	0.0	0.00	98.3	10.4	0.0	0.0	350	05-Sep
PX11	85	249	19.40	33.6	21.0	0.0	0.00	132.7	13.1	0.0	0.0	350	06-Sep
PX11	85	250	26.10	34.2	20.8	0.0	0.00	101.3	12.2	0.0	0.0	350	07-Sep
PX11	85	251	24.90	35.8	20.4	0.0	0.00	115.3	10.4	0.0	0.0	350	08-Sep
PX11	85	252	16.00	32.9	21.8	0.0	0.00	78.9	10.4	0.0	0.0	350	09-Sep
PX11	85	253	13.80	34.1	23.6	0.0	0.00	83.2	11.6	0.0	0.0	350	10-Sep
PX11	85	254	24.10	31.9	19.0	0.0	0.00	189.4	12.5	0.0	0.0	350	11-Sep
PX11	85	255	25.10	34.2	14.4	0.0	0.00	54.0	4.6	0.0	0.0	350	12-Sep
PX11	85	256	24.80	37.5	16.4	0.0	0.00	77.7	7.3	0.0	0.0	350	13-Sep
PX11	85	257	22.40	46.3	21.2	0.0	0.00	73.5	13.1	0.0	0.0	350	14-Sep
PX11	85	258	17.00	39.2	26.5	0.0	0.00	107.0	15.7	0.0	0.0	350	15-Sep
PX11	85	259	16.50	39.7	24.3	0.0	0.00	91.6	11.4	0.0	0.0	350	16-Sep
PX11	85	260	24.10	38.9	23.0	0.0	0.00	150.9	11.5	0.0	0.0	350	17-Sep
PX11	85	261	11.90	27.3	17.8	17.0	0.00	145.6	18.0	0.0	0.0	350	18-Sep
PX11	85	262	23.60	29.3	16.1	1.0	0.00	99.1	15.8	0.0	0.0	350	19-Sep
PX11	85	263	23.30	28.9	16.0	0.0	0.00	57.6	13.9	0.0	0.0	350	20-Sep
PX11	85	264	23.60	32.0	17.1	0.0	0.00	48.5	11.3	0.0	0.0	350	21-Sep
PX11	85	265	23.50	33.7	18.3	0.0	0.00	101.0	12.0	0.0	0.0	350	22-Sep
PX11	85	266	19.50	35.1	20.1	0.0	0.00	75.0	11.8	0.0	0.0	350	23-Sep
PX11	85	267	22.90	37.1	19.2	0.0	0.00	72.3	10.3	0.0	0.0	350	24-Sep
PX11	85	268	21.20	36.9	19.8	0.0	0.00	89.7	11.1	0.0	0.0	350	25-Sep
PX11	85	269	21.80	37.4	20.6	5.0	0.00	108.8	11.8	0.0	0.0	350	26-Sep
PX11	85	270	18.50	33.1	21.1	1.0	0.00	169.8	15.4	0.0	0.0	350	27-Sep
PX11	85	271	15.00	28.8	20.9	0.0	0.00	170.0	15.9	0.0	0.0	350	28-Sep
PX11	85	272	21.90	30.9	17.9	0.0	0.00	73.8	14.4	0.0	0.0	350	29-Sep
PX11	85	273	16.90	32.0	20.6	0.0	0.00	60.2	12.0	0.0	0.0	350	30-Sep
PX11	85	274	20.90	33.2	17.0	0.0	0.00	60.5	10.7	0.0	0.0	350	01-Oct
PX11	85	275	20.80	33.8	19.3	0.0	0.00	76.1	13.7	0.0	0.0	350	02-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC		↓					CO2YR	WINDYR
PX01	33.40	112.00	2.30	0	1	1	0	1		350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX01	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX01	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX01	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX01	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX01	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX01	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX01	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX01	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX01	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX01	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX01	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX01	85 106	23.42	34.9	15.1	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX01	85 107	24.54	32.4	19.3	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX01	85 108	25.31	22.9	10.2	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX01	85 109	28.01	26.4	8.0	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX01	85 110	21.55	26.6	10.2	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX01	85 111	12.79	22.0	13.1	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX01	85 112	27.99	24.8	8.6	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX01	85 113	29.60	30.2	11.9	0.0	0.00	78.8	1.5	0.0	0.0	350	23-Apr
PX01	85 114	29.00	35.0	13.9	0.0	0.00	105.4	2.1	0.0	0.0	350	24-Apr
PX01	85 115	29.60	31.0	17.0	0.0	0.00	228.7	1.3	0.0	0.0	350	25-Apr
PX01	85 116	22.60	23.3	13.2	0.0	0.00	204.4	-3.3	0.0	0.0	350	26-Apr
PX01	85 117	12.50	24.2	12.3	0.0	0.00	128.8	-5.0	0.0	0.0	350	27-Apr
PX01	85 118	21.50	25.3	13.5	3.0	0.00	86.8	-6.0	0.0	0.0	350	28-Apr
PX01	85 119	29.20	30.7	12.5	0.0	0.00	87.8	-1.2	0.0	0.0	350	29-Apr
PX01	85 120	27.80	37.4	16.5	0.0	0.00	88.5	3.2	0.0	0.0	350	30-Apr
PX01	85 121	27.80	39.6	19.8	0.0	0.00	141.0	6.1	0.0	0.0	350	01-May
PX01	85 122	27.30	39.0	21.0	0.0	0.00	115.7	6.4	0.0	0.0	350	02-May
PX01	85 123	28.80	28.6	37.9	23.4	0.00	123.3	5.9	0.0	0.0	350	03-May
PX01	85 124	30.50	36.4	20.2	0.0	0.00	148.3	2.5	0.0	0.0	350	04-May
PX01	85 125	25.10	34.8	17.5	0.0	0.00	118.0	0.2	0.0	0.0	350	05-May
PX01	85 126	30.60	35.0	16.7	0.0	0.00	118.9	-0.0	0.0	0.0	350	06-May
PX01	85 127	22.90	34.8	15.2	0.0	0.00	59.5	1.1	0.0	0.0	350	07-May
PX01	85 128	28.00	37.8	16.2	0.0	0.00	75.3	1.7	0.0	0.0	350	08-May
PX01	85 129	19.70	38.0	21.3	0.0	0.00	178.3	4.5	0.0	0.0	350	09-May
PX01	85 130	31.70	27.3	19.1	0.0	0.00	236.4	3.0	0.0	0.0	350	10-May
PX01	85 131	30.90	28.7	13.6	0.0	0.00	100.8	2.1	0.0	0.0	350	11-May
PX01	85 132	31.10	29.9	14.4	0.0	0.00	89.9	2.9	0.0	0.0	350	12-May
PX01	85 133	31.40	32.9	14.4	0.0	0.00	73.5	1.5	0.0	0.0	350	13-May
PX01	85 134	31.80	34.3	14.7	0.0	0.00	63.6	-5.0	0.0	0.0	350	14-May
PX01	85 135	27.40	37.8	16.2	0.0	0.00	133.5	-1.4	0.0	0.0	350	15-May
PX01	85 136	20.10	35.5	24.4	0.0	0.00	145.7	3.8	0.0	0.0	350	16-May
PX01	85 137	31.00	37.2	20.9	0.0	0.00	96.6	9.7	0.0	0.0	350	17-May
PX01	85 138	31.40	38.4	21.1	0.0	0.00	147.2	5.9	0.0	0.0	350	18-May
PX01	85 139	32.30	35.5	19.3	0.0	0.00	179.5	0.9	0.0	0.0	350	19-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	85 140	31.80	36.4	19.4	0.0	0.00	179.7	2.9	0.0	0.0	350	20-May
PX01	85 141	31.50	34.4	19.8	0.0	0.00	133.5	5.9	0.0	0.0	350	21-May
PX01	85 142	30.50	37.7	17.3	0.0	0.00	110.3	6.1	0.0	0.0	350	22-May
PX01	85 143	22.70	37.6	19.9	0.0	0.00	122.7	6.1	0.0	0.0	350	23-May
PX01	85 144	28.90	39.9	19.9	0.0	0.00	156.4	6.5	0.0	0.0	350	24-May
PX01	85 145	32.10	39.0	20.7	0.0	0.00	172.2	5.8	0.0	0.0	350	25-May
PX01	85 146	32.40	38.1	19.0	0.0	0.00	179.1	6.2	0.0	0.0	350	26-May
PX01	85 147	31.60	38.3	20.9	0.0	0.00	142.1	5.3	0.0	0.0	350	27-May
PX01	85 148	32.40	39.5	19.0	0.0	0.00	109.7	5.4	0.0	0.0	350	28-May
PX01	85 149	26.90	40.0	23.7	0.0	0.00	89.5	6.5	0.0	0.0	350	29-May
PX01	85 150	20.00	36.4	24.5	0.0	0.00	88.1	6.8	0.0	0.0	350	30-May
PX01	85 151	32.60	35.5	20.7	0.0	0.00	182.4	8.0	0.0	0.0	350	31-May
PX01	85 152	31.70	33.5	18.6	0.0	0.00	100.8	4.8	0.0	0.0	350	01-Jun
PX01	85 153	32.00	36.3	18.4	0.0	0.00	137.8	3.6	0.0	0.0	350	02-Jun
PX01	85 154	31.30	32.6	19.6	0.0	0.00	149.8	5.3	0.0	0.0	350	03-Jun
PX01	85 155	31.70	35.2	16.5	0.0	0.00	118.9	5.9	0.0	0.0	350	04-Jun
PX01	85 156	31.30	38.4	20.6	0.0	0.00	121.9	8.4	0.0	0.0	350	05-Jun
PX01	85 157	30.90	42.8	21.7	0.0	0.00	96.6	8.8	0.0	0.0	350	06-Jun
PX01	85 158	25.90	46.3	24.2	0.0	0.00	86.8	8.9	0.0	0.0	350	07-Jun
PX01	85 159	31.50	44.8	25.5	0.0	0.00	195.8	9.9	0.0	0.0	350	08-Jun
PX01	85 160	31.30	45.3	24.1	0.0	0.00	179.0	8.2	0.0	0.0	350	09-Jun
PX01	85 161	32.10	43.3	24.7	0.0	0.00	224.1	9.5	0.0	0.0	350	10-Jun
PX01	85 162	31.30	41.7	24.7	0.0	0.00	199.9	10.3	0.0	0.0	350	11-Jun
PX01	85 163	31.10	43.7	25.6	0.0	0.00	222.0	11.1	0.0	0.0	350	12-Jun
PX01	85 164	31.50	43.2	25.8	0.0	0.00	201.4	7.3	0.0	0.0	350	13-Jun
PX01	85 165	30.40	42.0	24.3	0.0	0.00	167.3	7.7	0.0	0.0	350	14-Jun
PX01	85 166	32.00	43.2	22.4	0.0	0.00	90.5	7.0	0.0	0.0	350	15-Jun
PX01	85 167	32.00	43.6	23.6	0.0	0.00	87.3	7.5	0.0	0.0	350	16-Jun
PX01	85 168	31.70	44.3	23.6	0.0	0.00	85.1	6.8	0.0	0.0	350	17-Jun
PX01	85 169	30.40	44.6	23.8	0.0	0.00	116.3	8.0	0.0	0.0	350	18-Jun
PX01	85 170	27.10	42.8	26.3	0.0	0.00	91.6	9.8	0.0	0.0	350	19-Jun
PX01	85 171	30.10	41.6	28.4	0.0	0.00	118.6	13.2	0.0	0.0	350	20-Jun
PX01	85 172	31.10	38.5	25.2	0.0	0.00	100.7	9.5	0.0	0.0	350	21-Jun
PX01	85 173	27.70	39.3	24.4	0.0	0.00	136.2	10.6	0.0	0.0	350	22-Jun
PX01	85 174	21.10	39.9	25.7	0.0	0.00	71.4	11.0	0.0	0.0	350	23-Jun
PX01	85 175	12.90	37.2	27.2	0.0	0.00	126.3	10.7	0.0	0.0	350	24-Jun
PX01	85 176	31.20	35.8	22.5	0.0	0.00	97.5	8.2	0.0	0.0	350	25-Jun
PX01	85 177	32.60	38.9	23.0	0.0	0.00	103.2	4.3	0.0	0.0	350	26-Jun
PX01	85 178	32.10	42.6	19.6	0.0	0.00	62.1	3.0	0.0	0.0	350	27-Jun
PX01	85 179	31.80	42.2	22.8	0.0	0.00	91.1	6.5	0.0	0.0	350	28-Jun
PX01	85 180	28.80	39.6	23.5	0.0	0.00	118.9	10.3	0.0	0.0	350	29-Jun
PX01	85 181	30.70	41.2	23.0	0.0	0.00	105.3	9.2	0.0	0.0	350	30-Jun
PX01	85 182	30.50	45.0	23.6	0.0	0.00	141.0	8.8	0.0	0.0	350	01-Jul
PX01	85 183	31.60	44.0	25.6	0.0	0.00	146.3	7.1	0.0	0.0	350	02-Jul
PX01	85 184	30.98	42.9	26.2	0.0	0.00	81.4	10.3	0.0	0.0	350	03-Jul
PX01	85 185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	350	04-Jul
PX01	85 186	29.52	40.7	27.4	0.0	0.00	111.4	15.4	0.0	0.0	350	05-Jul
PX01	85 187	29.40	39.6	28.1	0.0	0.00	125.6	17.9	0.0	0.0	350	06-Jul
PX01	85 188	28.20	41.0	29.9	0.0	0.00	136.1	16.6	0.0	0.0	350	07-Jul
PX01	85 189	26.30	45.8	30.4	0.0	0.00	142.8	13.6	0.0	0.0	350	08-Jul
PX01	85 190	29.40	39.6	31.1	0.0	0.00	146.2	17.9	0.0	0.0	350	09-Jul
PX01	85 191	29.70	40.7	28.8	0.0	0.00	133.1	17.2	0.0	0.0	350	10-Jul

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	85 192	29.30	42.1	28.3	0.0	0.00	107.4	17.4	0.0	0.0	350	11-Jul
PX01	85 193	28.40	43.5	30.9	0.0	0.00	110.2	15.9	0.0	0.0	350	12-Jul
PX01	85 194	22.80	39.8	27.2	0.0	0.00	123.7	19.2	0.0	0.0	350	13-Jul
PX01	85 195	27.70	39.8	29.1	0.0	0.00	147.6	20.3	0.0	0.0	350	14-Jul
PX01	85 196	29.20	38.2	28.9	23.0	0.00	185.1	20.7	0.0	0.0	350	15-Jul
PX01	85 197	26.20	35.5	23.1	0.0	0.00	97.8	23.1	0.0	0.0	350	16-Jul
PX01	85 198	30.30	36.9	26.8	0.0	0.00	168.8	21.7	0.0	0.0	350	17-Jul
PX01	85 199	18.30	30.8	23.0	5.0	0.00	110.3	22.5	0.0	0.0	350	18-Jul
PX01	85 200	19.20	33.2	25.2	0.0	0.00	129.1	21.5	0.0	0.0	350	19-Jul
PX01	85 201	28.80	37.0	27.1	0.0	0.00	91.9	21.1	0.0	0.0	350	20-Jul
PX01	85 202	30.80	36.8	26.6	0.0	0.00	127.3	19.7	0.0	0.0	350	21-Jul
PX01	85 203	30.80	37.3	28.0	0.0	0.00	133.5	18.3	0.0	0.0	350	22-Jul
PX01	85 204	31.20	38.0	26.3	0.0	0.00	107.5	17.6	0.0	0.0	350	23-Jul
PX01	85 205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	350	24-Jul
PX01	85 206	30.80	39.7	25.3	0.0	0.00	135.7	10.9	0.0	0.0	350	25-Jul
PX01	85 207	30.60	40.7	24.2	0.0	0.00	125.5	13.7	0.0	0.0	350	26-Jul
PX01	85 208	22.00	38.8	30.4	0.0	0.00	235.4	15.9	0.0	0.0	350	27-Jul
PX01	85 209	25.60	36.7	28.6	0.0	0.00	171.5	18.9	0.0	0.0	350	28-Jul
PX01	85 210	25.70	38.0	28.4	0.0	0.00	123.4	20.2	0.0	0.0	350	29-Jul
PX01	85 211	30.00	39.9	28.3	0.0	0.00	114.3	19.7	0.0	0.0	350	30-Jul
PX01	85 212	29.90	42.3	28.5	0.0	0.00	117.6	14.8	0.0	0.0	350	31-Jul
PX01	85 213	18.60	37.0	27.0	0.0	0.00	167.2	19.2	0.0	0.0	350	01-Aug
PX01	85 214	24.80	37.7	27.5	0.0	0.00	145.1	20.6	0.0	0.0	350	02-Aug
PX01	85 215	28.50	38.0	27.4	0.0	0.00	86.6	20.3	0.0	0.0	350	03-Aug
PX01	85 216	29.60	38.7	28.3	0.0	0.00	116.4	18.0	0.0	0.0	350	04-Aug
PX01	85 217	28.50	38.5	27.2	0.0	0.00	108.4	13.9	0.0	0.0	350	05-Aug
PX01	85 218	28.80	38.9	26.0	0.0	0.00	110.5	17.2	0.0	0.0	350	06-Aug
PX01	85 219	26.50	39.4	28.8	0.0	0.00	139.5	18.9	0.0	0.0	350	07-Aug
PX01	85 220	28.50	40.6	27.7	0.0	0.00	110.9	18.5	0.0	0.0	350	08-Aug
PX01	85 221	29.50	37.9	27.6	0.0	0.00	121.6	16.2	0.0	0.0	350	09-Aug
PX01	85 222	29.00	39.1	26.6	0.0	0.00	160.3	15.3	0.0	0.0	350	10-Aug
PX01	85 223	26.80	37.9	29.0	0.0	0.00	197.5	19.2	0.0	0.0	350	11-Aug
PX01	85 224	29.40	36.8	25.4	0.0	0.00	168.4	13.4	0.0	0.0	350	12-Aug
PX01	85 225	29.40	39.1	24.4	0.0	0.00	178.5	12.1	0.0	0.0	350	13-Aug
PX01	85 226	30.10	40.8	21.9	0.0	0.00	176.8	7.7	0.0	0.0	350	14-Aug
PX01	85 227	29.10	40.8	20.8	0.0	0.00	174.9	6.4	0.0	0.0	350	15-Aug
PX01	85 228	28.50	41.1	22.9	0.0	0.00	189.7	10.3	0.0	0.0	350	16-Aug
PX01	85 229	19.30	36.5	26.4	0.0	0.00	191.4	14.8	0.0	0.0	350	17-Aug
PX01	85 230	27.20	39.1	26.7	0.0	0.00	210.5	17.7	0.0	0.0	350	18-Aug
PX01	85 231	27.40	38.5	28.1	0.0	0.00	228.7	18.8	0.0	0.0	350	19-Aug
PX01	85 232	20.20	33.8	23.4	21.0	0.00	112.9	22.2	0.0	0.0	350	20-Aug
PX01	85 233	27.30	37.3	25.5	0.0	0.00	65.3	21.9	0.0	0.0	350	21-Aug
PX01	85 234	26.90	39.2	26.3	0.0	0.00	61.9	20.2	0.0	0.0	350	22-Aug
PX01	85 235	27.80	41.6	25.8	0.0	0.00	75.1	18.1	0.0	0.0	350	23-Aug
PX01	85 236	24.10	42.9	27.7	0.0	0.00	128.9	16.0	0.0	0.0	350	24-Aug
PX01	85 237	22.20	42.5	30.9	0.0	0.00	162.1	17.4	0.0	0.0	350	25-Aug
PX01	85 238	25.00	38.3	29.6	0.0	0.00	201.6	18.9	0.0	0.0	350	26-Aug
PX01	85 239	24.80	40.3	29.3	0.0	0.00	196.6	20.6	0.0	0.0	350	27-Aug
PX01	85 240	26.20	41.6	27.4	0.0	0.00	175.3	18.8	0.0	0.0	350	28-Aug
PX01	85 241	25.80	43.5	29.2	0.0	0.00	173.0	17.7	0.0	0.0	350	29-Aug
PX01	85 242	26.60	41.5	29.2	0.0	0.00	222.5	18.2	0.0	0.0	350	30-Aug
PX01	85 243	26.10	38.7	27.7	6.0	0.00	227.0	19.8	0.0	0.0	350	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	85	244	23.40	35.2	24.2	0.0	0.00	96.8	21.0	0.0	0.0	350	01-Sep
PX01	85	245	25.20	39.1	25.9	0.0	0.00	114.9	18.9	0.0	0.0	350	02-Sep
PX01	85	246	23.60	39.8	26.6	0.0	0.00	160.4	14.5	0.0	0.0	350	03-Sep
PX01	85	247	21.60	35.2	23.2	0.0	0.00	176.5	11.3	0.0	0.0	350	04-Sep
PX01	85	248	23.40	32.1	19.5	0.0	0.00	98.3	10.9	0.0	0.0	350	05-Sep
PX01	85	249	19.40	33.5	20.0	0.0	0.00	132.7	13.2	0.0	0.0	350	06-Sep
PX01	85	250	26.10	34.0	20.1	0.0	0.00	101.3	12.4	0.0	0.0	350	07-Sep
PX01	85	251	24.90	36.3	19.6	0.0	0.00	115.3	10.5	0.0	0.0	350	08-Sep
PX01	85	252	16.00	32.6	21.0	0.0	0.00	78.9	10.0	0.0	0.0	350	09-Sep
PX01	85	253	13.80	33.1	23.0	0.0	0.00	83.2	11.9	0.0	0.0	350	10-Sep
PX01	85	254	24.10	30.8	18.4	0.0	0.00	189.4	12.8	0.0	0.0	350	11-Sep
PX01	85	255	25.10	33.4	13.9	0.0	0.00	54.0	5.1	0.0	0.0	350	12-Sep
PX01	85	256	24.80	36.1	15.5	0.0	0.00	77.7	8.2	0.0	0.0	350	13-Sep
PX01	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.4	0.0	0.0	350	14-Sep
PX01	85	258	17.00	38.1	25.8	0.0	0.00	107.0	15.8	0.0	0.0	350	15-Sep
PX01	85	259	16.50	38.2	23.1	0.0	0.00	91.6	12.1	0.0	0.0	350	16-Sep
PX01	85	260	24.10	39.1	22.3	0.0	0.00	150.9	12.0	0.0	0.0	350	17-Sep
PX01	85	261	11.90	27.1	17.1	17.0	0.00	145.6	13.0	0.0	0.0	350	18-Sep
PX01	85	262	23.60	28.9	15.7	1.0	0.00	99.1	14.0	0.0	0.0	350	19-Sep
PX01	85	263	23.30	29.0	15.4	0.0	0.00	57.6	12.1	0.0	0.0	350	20-Sep
PX01	85	264	23.60	31.0	16.5	0.0	0.00	48.5	12.1	0.0	0.0	350	21-Sep
PX01	85	265	23.50	32.8	17.6	0.0	0.00	101.0	12.7	0.0	0.0	350	22-Sep
PX01	85	266	19.50	34.8	19.1	0.0	0.00	75.0	12.3	0.0	0.0	350	23-Sep
PX01	85	267	22.90	36.6	18.2	0.0	0.00	72.3	11.1	0.0	0.0	350	24-Sep
PX01	85	268	21.20	35.8	18.8	0.0	0.00	89.7	13.0	0.0	0.0	350	25-Sep
PX01	85	269	21.80	36.7	19.9	5.0	0.00	108.8	14.9	0.0	0.0	350	26-Sep
PX01	85	270	18.50	32.2	20.8	1.0	0.00	169.8	16.0	0.0	0.0	350	27-Sep
PX01	85	271	15.00	29.0	20.8	0.0	0.00	170.0	16.1	0.0	0.0	350	28-Sep
PX01	85	272	21.90	30.5	17.2	0.0	0.00	73.8	14.7	0.0	0.0	350	29-Sep
PX01	85	273	16.90	32.1	19.6	0.0	0.00	60.2	12.5	0.0	0.0	350	30-Sep
PX01	85	274	20.90	33.3	16.6	0.0	0.00	60.5	10.9	0.0	0.0	350	01-Oct
PX01	85	275	20.80	32.8	19.7	0.0	0.00	76.1	12.1	0.0	0.0	350	02-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC		↓				CO2YR	WINDYR
PX13	33.40	112.00	2.30	0	1 1	0	1		350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX13	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX13	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX13	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX13	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX13	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX13	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX13	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX13	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX13	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX13	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX13	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX13	85 106	23.42	34.9	15.1	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX13	85 107	24.54	32.4	19.3	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX13	85 108	25.31	22.9	10.2	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX13	85 109	28.01	26.4	8.0	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX13	85 110	21.55	26.6	10.2	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX13	85 111	12.79	22.0	13.1	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX13	85 112	27.99	24.8	8.6	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX13	85 113	29.60	30.2	11.9	0.0	0.00	78.8	1.5	0.0	0.0	350	23-Apr
PX13	85 114	29.00	33.7	15.1	0.0	0.00	105.4	2.1	0.0	0.0	350	24-Apr
PX13	85 115	29.60	30.3	17.8	0.0	0.00	228.7	1.3	0.0	0.0	350	25-Apr
PX13	85 116	22.60	20.4	13.0	0.0	0.00	204.4	-3.3	0.0	0.0	350	26-Apr
PX13	85 117	12.50	21.6	11.5	0.0	0.00	128.8	-5.0	0.0	0.0	350	27-Apr
PX13	85 118	21.50	21.4	12.1	3.0	0.00	86.8	-6.0	0.0	0.0	350	28-Apr
PX13	85 119	29.20	28.8	11.4	0.0	0.00	87.8	-1.2	0.0	0.0	350	29-Apr
PX13	85 120	27.80	35.9	16.7	0.0	0.00	88.5	3.2	0.0	0.0	350	30-Apr
PX13	85 121	27.80	38.8	20.3	0.0	0.00	141.0	6.1	0.0	0.0	350	01-May
PX13	85 122	27.30	37.5	22.2	0.0	0.00	115.7	6.4	0.0	0.0	350	02-May
PX13	85 123	28.80	37.5	23.5	23.4	0.00	123.3	5.9	0.0	0.0	350	03-May
PX13	85 124	30.50	36.1	20.6	0.0	0.00	148.3	2.5	0.0	0.0	350	04-May
PX13	85 125	25.10	34.6	18.3	0.0	0.00	118.0	0.2	0.0	0.0	350	05-May
PX13	85 126	30.60	34.8	17.9	0.0	0.00	118.9	-0.0	0.0	0.0	350	06-May
PX13	85 127	22.90	34.4	17.5	0.0	0.00	59.5	1.1	0.0	0.0	350	07-May
PX13	85 128	28.00	37.4	17.8	0.0	0.00	75.3	1.7	0.0	0.0	350	08-May
PX13	85 129	19.70	37.8	21.9	0.0	0.00	178.3	4.5	0.0	0.0	350	09-May
PX13	85 130	31.70	27.1	19.2	0.0	0.00	236.4	3.0	0.0	0.0	350	10-May
PX13	85 131	30.90	28.6	14.4	0.0	0.00	100.8	2.1	0.0	0.0	350	11-May
PX13	85 132	31.10	29.9	14.9	0.0	0.00	89.9	2.9	0.0	0.0	350	12-May
PX13	85 133	31.40	32.7	15.6	0.0	0.00	73.5	1.5	0.0	0.0	350	13-May
PX13	85 134	31.80	34.1	16.8	0.0	0.00	63.6	-5.4	0.0	0.0	350	14-May
PX13	85 135	27.40	37.5	17.4	0.0	0.00	133.5	0.6	0.0	0.0	350	15-May
PX13	85 136	20.10	35.4	25.0	0.0	0.00	145.7	3.6	0.0	0.0	350	16-May
PX13	85 137	31.00	36.8	21.4	0.0	0.00	96.6	7.0	0.0	0.0	350	17-May
PX13	85 138	31.40	37.8	21.9	0.0	0.00	147.2	5.8	0.0	0.0	350	18-May
PX13	85 139	32.30	35.4	20.7	0.0	0.00	179.5	2.7	0.0	0.0	350	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	85	140	31.80	35.9	20.4	0.0	0.00	179.7	2.7	0.0	0.0	350	20-May
PX13	85	141	31.50	34.9	20.4	0.0	0.00	133.5	5.4	0.0	0.0	350	21-May
PX13	85	142	30.50	37.2	19.2	0.0	0.00	110.3	5.8	0.0	0.0	350	22-May
PX13	85	143	22.70	36.6	20.3	0.0	0.00	122.7	6.1	0.0	0.0	350	23-May
PX13	85	144	28.90	39.3	21.3	0.0	0.00	156.4	8.5	0.0	0.0	350	24-May
PX13	85	145	32.10	38.0	22.1	0.0	0.00	172.2	5.0	0.0	0.0	350	25-May
PX13	85	146	32.40	37.6	20.1	0.0	0.00	179.1	3.8	0.0	0.0	350	26-May
PX13	85	147	31.60	37.5	21.8	0.0	0.00	142.1	4.1	0.0	0.0	350	27-May
PX13	85	148	32.40	40.2	20.2	0.0	0.00	109.7	7.1	0.0	0.0	350	28-May
PX13	85	149	26.90	40.0	23.7	0.0	0.00	89.5	9.7	0.0	0.0	350	29-May
PX13	85	150	20.00	36.4	24.5	0.0	0.00	88.1	12.0	0.0	0.0	350	30-May
PX13	85	151	32.60	36.0	21.4	0.0	0.00	182.4	7.8	0.0	0.0	350	31-May
PX13	85	152	31.70	34.3	19.3	0.0	0.00	100.8	4.6	0.0	0.0	350	01-Jun
PX13	85	153	32.00	36.4	19.5	0.0	0.00	137.8	3.6	0.0	0.0	350	02-Jun
PX13	85	154	31.30	32.7	20.2	0.0	0.00	149.8	5.1	0.0	0.0	350	03-Jun
PX13	85	155	31.70	35.4	17.5	0.0	0.00	118.9	5.8	0.0	0.0	350	04-Jun
PX13	85	156	31.30	39.3	21.2	0.0	0.00	121.9	8.4	0.0	0.0	350	05-Jun
PX13	85	157	30.90	43.5	23.0	0.0	0.00	96.6	8.8	0.0	0.0	350	06-Jun
PX13	85	158	25.90	46.2	25.6	0.0	0.00	86.8	9.0	0.0	0.0	350	07-Jun
PX13	85	159	31.50	44.9	26.4	0.0	0.00	195.8	9.9	0.0	0.0	350	08-Jun
PX13	85	160	31.30	44.6	25.7	0.0	0.00	179.0	8.4	0.0	0.0	350	09-Jun
PX13	85	161	32.10	45.1	26.2	0.0	0.00	224.1	11.5	0.0	0.0	350	10-Jun
PX13	85	162	31.30	42.5	26.0	0.0	0.00	199.9	13.2	0.0	0.0	350	11-Jun
PX13	85	163	31.10	44.5	26.6	0.0	0.00	222.0	12.7	0.0	0.0	350	12-Jun
PX13	85	164	31.50	44.5	26.4	0.0	0.00	201.4	9.4	0.0	0.0	350	13-Jun
PX13	85	165	30.40	43.6	25.4	0.0	0.00	167.3	11.1	0.0	0.0	350	14-Jun
PX13	85	166	32.00	43.0	24.4	0.0	0.00	90.5	8.9	0.0	0.0	350	15-Jun
PX13	85	167	32.00	45.1	24.0	0.0	0.00	87.3	10.3	0.0	0.0	350	16-Jun
PX13	85	168	31.70	45.1	24.0	0.0	0.00	85.1	9.0	0.0	0.0	350	17-Jun
PX13	85	169	30.40	45.5	24.5	0.0	0.00	116.3	9.0	0.0	0.0	350	18-Jun
PX13	85	170	27.10	41.6	25.5	0.0	0.00	91.6	14.6	0.0	0.0	350	19-Jun
PX13	85	171	30.10	40.8	26.9	0.0	0.00	118.6	14.1	0.0	0.0	350	20-Jun
PX13	85	172	31.10	40.0	24.3	0.0	0.00	100.7	13.3	0.0	0.0	350	21-Jun
PX13	85	173	27.70	41.2	25.4	0.0	0.00	136.2	13.3	0.0	0.0	350	22-Jun
PX13	85	174	21.10	39.4	26.4	0.0	0.00	71.4	15.2	0.0	0.0	350	23-Jun
PX13	85	175	12.90	37.6	25.5	0.0	0.00	126.3	15.2	0.0	0.0	350	24-Jun
PX13	85	176	31.20	41.4	22.9	0.0	0.00	97.5	9.4	0.0	0.0	350	25-Jun
PX13	85	177	32.60	43.0	20.6	0.0	0.00	103.2	8.2	0.0	0.0	350	26-Jun
PX13	85	178	32.10	43.6	23.2	0.0	0.00	62.1	9.9	0.0	0.0	350	27-Jun
PX13	85	179	31.80	43.0	20.6	0.0	0.00	91.1	7.5	0.0	0.0	350	28-Jun
PX13	85	180	28.80	40.0	23.9	0.0	0.00	118.9	11.6	0.0	0.0	350	29-Jun
PX13	85	181	30.70	45.8	21.6	0.0	0.00	105.3	11.1	0.0	0.0	350	30-Jun
PX13	85	182	30.50	44.1	24.4	0.0	0.00	141.0	11.3	0.0	0.0	350	01-Jul
PX13	85	183	31.60	44.5	26.2	0.0	0.00	146.3	10.1	0.0	0.0	350	02-Jul
PX13	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	350	03-Jul
PX13	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	350	04-Jul
PX13	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	350	05-Jul
PX13	85	187	29.40	40.9	27.0	0.0	0.00	125.6	20.7	0.0	0.0	350	06-Jul
PX13	85	188	28.20	43.4	29.4	0.0	0.00	136.1	18.4	0.0	0.0	350	07-Jul
PX13	85	189	26.30	45.8	31.2	0.0	0.00	142.8	16.3	0.0	0.0	350	08-Jul
PX13	85	190	29.40	41.1	29.9	0.0	0.00	146.2	18.9	0.0	0.0	350	09-Jul
PX13	85	191	29.70	40.5	29.3	0.0	0.00	133.1	18.6	0.0	0.0	350	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	85	192	29.30	43.5	27.6	0.0	0.00	107.4	19.6	0.0	0.0	350	11-Jul
PX13	85	193	28.40	44.9	31.6	0.0	0.00	110.2	18.4	0.0	0.0	350	12-Jul
PX13	85	194	22.80	42.0	29.0	0.0	0.00	123.7	19.6	0.0	0.0	350	13-Jul
PX13	85	195	27.70	42.4	30.7	0.0	0.00	147.6	19.5	0.0	0.0	350	14-Jul
PX13	85	196	29.20	40.5	29.1	23.0	0.00	185.1	20.6	0.0	0.0	350	15-Jul
PX13	85	197	26.20	37.3	24.2	0.0	0.00	97.8	23.8	0.0	0.0	350	16-Jul
PX13	85	198	30.30	39.5	27.5	0.0	0.00	168.8	22.6	0.0	0.0	350	17-Jul
PX13	85	199	18.30	32.9	24.6	5.0	0.00	110.3	23.1	0.0	0.0	350	18-Jul
PX13	85	200	19.20	36.2	26.2	0.0	0.00	129.1	22.2	0.0	0.0	350	19-Jul
PX13	85	201	28.80	38.1	28.5	0.0	0.00	91.9	22.3	0.0	0.0	350	20-Jul
PX13	85	202	30.80	39.5	27.0	0.0	0.00	127.3	21.5	0.0	0.0	350	21-Jul
PX13	85	203	30.80	40.5	28.5	0.0	0.00	133.5	19.9	0.0	0.0	350	22-Jul
PX13	85	204	31.20	39.2	26.2	0.0	0.00	107.5	17.5	0.0	0.0	350	23-Jul
PX13	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	350	24-Jul
PX13	85	206	30.80	40.2	25.6	0.0	0.00	135.7	12.9	0.0	0.0	350	25-Jul
PX13	85	207	30.60	42.0	25.5	0.0	0.00	125.5	15.4	0.0	0.0	350	26-Jul
PX13	85	208	22.00	40.5	30.6	0.0	0.00	235.4	17.4	0.0	0.0	350	27-Jul
PX13	85	209	25.60	40.0	29.1	0.0	0.00	171.5	20.1	0.0	0.0	350	28-Jul
PX13	85	210	25.70	40.4	29.2	0.0	0.00	123.4	21.1	0.0	0.0	350	29-Jul
PX13	85	211	30.00	41.2	29.7	0.0	0.00	114.3	20.7	0.0	0.0	350	30-Jul
PX13	85	212	29.90	44.2	28.6	0.0	0.00	117.6	16.1	0.0	0.0	350	31-Jul
PX13	85	213	18.60	39.0	29.7	0.0	0.00	167.2	20.0	0.0	0.0	350	01-Aug
PX13	85	214	24.80	39.9	28.1	0.0	0.00	145.1	21.3	0.0	0.0	350	02-Aug
PX13	85	215	28.50	40.7	29.5	0.0	0.00	86.6	21.3	0.0	0.0	350	03-Aug
PX13	85	216	29.60	41.1	28.7	0.0	0.00	116.4	19.5	0.0	0.0	350	04-Aug
PX13	85	217	28.50	42.1	27.7	0.0	0.00	108.4	15.5	0.0	0.0	350	05-Aug
PX13	85	218	28.80	40.5	25.8	0.0	0.00	110.5	18.5	0.0	0.0	350	06-Aug
PX13	85	219	26.50	41.9	28.7	0.0	0.00	139.5	20.4	0.0	0.0	350	07-Aug
PX13	85	220	28.50	41.3	27.7	0.0	0.00	110.9	20.2	0.0	0.0	350	08-Aug
PX13	85	221	29.50	41.0	27.3	0.0	0.00	121.6	17.7	0.0	0.0	350	09-Aug
PX13	85	222	29.00	40.9	26.8	0.0	0.00	160.3	17.1	0.0	0.0	350	10-Aug
PX13	85	223	26.80	40.5	29.1	0.0	0.00	197.5	20.3	0.0	0.0	350	11-Aug
PX13	85	224	29.40	37.6	25.8	0.0	0.00	168.4	14.1	0.0	0.0	350	12-Aug
PX13	85	225	29.40	38.7	25.4	0.0	0.00	178.5	11.8	0.0	0.0	350	13-Aug
PX13	85	226	30.10	40.2	23.2	0.0	0.00	176.8	7.4	0.0	0.0	350	14-Aug
PX13	85	227	29.10	40.5	21.8	0.0	0.00	174.9	6.2	0.0	0.0	350	15-Aug
PX13	85	228	28.50	40.9	24.4	0.0	0.00	189.7	10.0	0.0	0.0	350	16-Aug
PX13	85	229	19.30	37.3	27.0	0.0	0.00	191.4	14.4	0.0	0.0	350	17-Aug
PX13	85	230	27.20	38.9	27.1	0.0	0.00	210.5	17.3	0.0	0.0	350	18-Aug
PX13	85	231	27.40	39.1	28.6	0.0	0.00	228.7	18.4	0.0	0.0	350	19-Aug
PX13	85	232	20.20	35.2	23.6	21.0	0.00	112.9	21.6	0.0	0.0	350	20-Aug
PX13	85	233	27.30	37.5	26.3	0.0	0.00	65.3	21.3	0.0	0.0	350	21-Aug
PX13	85	234	26.90	39.7	26.9	0.0	0.00	61.9	19.6	0.0	0.0	350	22-Aug
PX13	85	235	27.80	41.9	26.6	0.0	0.00	75.1	17.8	0.0	0.0	350	23-Aug
PX13	85	236	24.10	43.2	28.8	0.0	0.00	128.9	16.1	0.0	0.0	350	24-Aug
PX13	85	237	22.20	42.5	31.3	0.0	0.00	162.1	17.7	0.0	0.0	350	25-Aug
PX13	85	238	25.00	38.8	30.3	0.0	0.00	201.6	19.0	0.0	0.0	350	26-Aug
PX13	85	239	24.80	40.8	29.8	0.0	0.00	196.6	20.7	0.0	0.0	350	27-Aug
PX13	85	240	26.20	42.0	27.9	0.0	0.00	175.3	19.2	0.0	0.0	350	28-Aug
PX13	85	241	25.80	43.5	30.1	0.0	0.00	173.0	18.5	0.0	0.0	350	29-Aug
PX13	85	242	26.60	41.6	29.9	0.0	0.00	222.5	18.7	0.0	0.0	350	30-Aug
PX13	85	243	26.10	39.2	28.4	6.0	0.00	227.0	20.2	0.0	0.0	350	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	85	244	23.40	35.8	25.8	0.0	0.00	96.8	20.6	0.0	0.0	350	01-Sep
PX13	85	245	25.20	38.7	27.0	0.0	0.00	114.9	18.9	0.0	0.0	350	02-Sep
PX13	85	246	23.60	39.2	27.1	0.0	0.00	160.4	15.2	0.0	0.0	350	03-Sep
PX13	85	247	21.60	32.6	20.2	0.0	0.00	176.5	11.2	0.0	0.0	350	04-Sep
PX13	85	248	23.40	33.2	21.1	0.0	0.00	98.3	13.7	0.0	0.0	350	05-Sep
PX13	85	249	19.40	34.1	20.9	0.0	0.00	132.7	12.6	0.0	0.0	350	06-Sep
PX13	85	250	26.10	35.6	20.4	0.0	0.00	101.3	10.5	0.0	0.0	350	07-Sep
PX13	85	251	24.90	33.1	21.8	0.0	0.00	115.3	10.0	0.0	0.0	350	08-Sep
PX13	85	252	16.00	35.1	23.7	0.0	0.00	78.9	12.0	0.0	0.0	350	09-Sep
PX13	85	253	13.80	34.2	23.5	0.0	0.00	83.2	11.5	0.0	0.0	350	10-Sep
PX13	85	254	24.10	31.8	19.4	0.0	0.00	189.4	12.5	0.0	0.0	350	11-Sep
PX13	85	255	25.10	34.1	14.3	0.0	0.00	54.0	4.8	0.0	0.0	350	12-Sep
PX13	85	256	24.80	36.4	14.7	0.0	0.00	77.7	8.2	0.0	0.0	350	13-Sep
PX13	85	257	22.40	48.2	21.4	0.0	0.00	73.5	13.3	0.0	0.0	350	14-Sep
PX13	85	258	17.00	39.3	25.1	0.0	0.00	107.0	16.8	0.0	0.0	350	15-Sep
PX13	85	259	16.50	38.7	22.5	0.0	0.00	91.6	13.9	0.0	0.0	350	16-Sep
PX13	85	260	24.10	38.5	23.2	0.0	0.00	150.9	12.0	0.0	0.0	350	17-Sep
PX13	85	261	11.90	27.6	17.9	17.0	0.00	145.6	16.4	0.0	0.0	350	18-Sep
PX13	85	262	23.60	29.2	16.2	1.0	0.00	99.1	13.5	0.0	0.0	350	19-Sep
PX13	85	263	23.30	29.2	16.0	0.0	0.00	57.6	11.5	0.0	0.0	350	20-Sep
PX13	85	264	23.60	32.3	17.2	0.0	0.00	48.5	11.4	0.0	0.0	350	21-Sep
PX13	85	265	23.50	33.4	18.2	0.0	0.00	101.0	12.2	0.0	0.0	350	22-Sep
PX13	85	266	19.50	35.0	19.7	0.0	0.00	75.0	11.6	0.0	0.0	350	23-Sep
PX13	85	267	22.90	36.5	19.5	0.0	0.00	72.3	10.1	0.0	0.0	350	24-Sep
PX13	85	268	21.20	36.4	19.7	0.0	0.00	89.7	11.1	0.0	0.0	350	25-Sep
PX13	85	269	21.80	37.2	20.7	5.0	0.00	108.8	12.0	0.0	0.0	350	26-Sep
PX13	85	270	18.50	32.6	21.4	1.0	0.00	169.8	15.7	0.0	0.0	350	27-Sep
PX13	85	271	15.00	28.7	20.8	0.0	0.00	170.0	16.0	0.0	0.0	350	28-Sep
PX13	85	272	21.90	30.7	17.9	0.0	0.00	73.8	14.4	0.0	0.0	350	29-Sep
PX13	85	273	16.90	32.1	19.6	0.0	0.00	60.2	12.0	0.0	0.0	350	30-Sep
PX13	85	274	20.90	33.4	17.0	0.0	0.00	60.5	10.6	0.0	0.0	350	01-Oct
PX13	85	275	20.80	33.0	20.5	0.0	0.00	76.1	12.0	0.0	0.0	350	02-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓			CO2YR	WINDYR
PX06	33.40	112.00	2.30	0 1 1 0 1			350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX06	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX06	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX06	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX06	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX06	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX06	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX06	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX06	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX06	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX06	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX06	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX06	85 106	23.42	38.8	18.1	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX06	85 107	24.54	36.1	22.2	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX06	85 108	25.31	25.7	13.3	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX06	85 109	28.01	29.5	11.2	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX06	85 110	21.55	29.8	13.3	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX06	85 111	12.79	24.7	11.2	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX06	85 112	27.99	27.8	11.8	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX06	85 113	29.60	32.4	15.2	0.0	0.00	78.8	3.4	0.0	0.0	350	23-Apr
PX06	85 114	29.00	35.5	14.4	0.0	0.00	105.4	2.3	0.0	0.0	350	24-Apr
PX06	85 115	29.60	30.9	17.5	0.0	0.00	228.7	1.1	0.0	0.0	350	25-Apr
PX06	85 116	22.60	21.3	11.9	0.0	0.00	204.4	0.4	0.0	0.0	350	26-Apr
PX06	85 117	12.50	23.7	10.7	0.0	0.00	128.8	7.4	0.0	0.0	350	27-Apr
PX06	85 118	21.50	22.3	12.1	3.0	0.00	86.8	9.3	0.0	0.0	350	28-Apr
PX06	85 119	29.20	29.8	10.7	0.0	0.00	87.8	8.6	0.0	0.0	350	29-Apr
PX06	85 120	27.80	37.4	16.2	0.0	0.00	88.5	9.4	0.0	0.0	350	30-Apr
PX06	85 121	27.80	39.7	20.1	0.0	0.00	141.0	8.1	0.0	0.0	350	01-May
PX06	85 122	27.30	39.3	21.9	0.0	0.00	115.7	9.2	0.0	0.0	350	02-May
PX06	85 123	28.80	40.4	23.4	23.4	0.00	123.3	7.5	0.0	0.0	350	03-May
PX06	85 124	30.50	38.8	20.6	0.0	0.00	148.3	5.3	0.0	0.0	350	04-May
PX06	85 125	25.10	37.1	18.2	0.0	0.00	118.0	3.2	0.0	0.0	350	05-May
PX06	85 126	30.60	37.8	17.5	0.0	0.00	118.9	2.9	0.0	0.0	350	06-May
PX06	85 127	22.90	37.2	16.9	0.0	0.00	59.5	2.5	0.0	0.0	350	07-May
PX06	85 128	28.00	40.1	17.5	0.0	0.00	75.3	4.6	0.0	0.0	350	08-May
PX06	85 129	19.70	40.0	21.8	0.0	0.00	178.3	6.8	0.0	0.0	350	09-May
PX06	85 130	31.70	29.6	19.6	0.0	0.00	236.4	5.1	0.0	0.0	350	10-May
PX06	85 131	30.90	32.1	14.3	0.0	0.00	100.8	4.5	0.0	0.0	350	11-May
PX06	85 132	31.10	32.5	15.0	0.0	0.00	89.9	5.0	0.0	0.0	350	12-May
PX06	85 133	31.40	35.5	15.4	0.0	0.00	73.5	3.8	0.0	0.0	350	13-May
PX06	85 134	31.80	36.5	15.6	0.0	0.00	63.6	-0.9	0.0	0.0	350	14-May
PX06	85 135	27.40	39.7	17.1	0.0	0.00	133.5	2.3	0.0	0.0	350	15-May
PX06	85 136	20.10	37.7	24.9	0.0	0.00	145.7	6.7	0.0	0.0	350	16-May
PX06	85 137	31.00	39.8	21.5	0.0	0.00	96.6	9.3	0.0	0.0	350	17-May
PX06	85 138	31.40	40.7	22.0	0.0	0.00	147.2	8.2	0.0	0.0	350	18-May
PX06	85 139	32.30	38.4	20.3	0.0	0.00	179.5	4.5	0.0	0.0	350	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX06	85	140	31.80	38.4	20.2	0.0	0.00	179.7	6.1	0.0	0.0	350	20-May
PX06	85	141	31.50	37.3	20.4	0.0	0.00	133.5	8.1	0.0	0.0	350	21-May
PX06	85	142	30.50	39.9	18.9	0.0	0.00	110.3	8.6	0.0	0.0	350	22-May
PX06	85	143	22.70	39.3	20.4	0.0	0.00	122.7	9.3	0.0	0.0	350	23-May
PX06	85	144	28.90	41.3	21.1	0.0	0.00	156.4	8.8	0.0	0.0	350	24-May
PX06	85	145	32.10	40.7	21.9	0.0	0.00	172.2	8.9	0.0	0.0	350	25-May
PX06	85	146	32.40	40.4	19.6	0.0	0.00	179.1	6.7	0.0	0.0	350	26-May
PX06	85	147	31.60	39.8	21.6	0.0	0.00	142.1	7.1	0.0	0.0	350	27-May
PX06	85	148	32.40	41.0	20.0	0.0	0.00	109.7	8.6	0.0	0.0	350	28-May
PX06	85	149	26.90	40.0	23.7	0.0	0.00	89.5	9.4	0.0	0.0	350	29-May
PX06	85	150	20.00	36.4	24.5	0.0	0.00	88.1	9.5	0.0	0.0	350	30-May
PX06	85	151	32.60	36.8	20.8	0.0	0.00	182.4	8.8	0.0	0.0	350	31-May
PX06	85	152	31.70	35.7	18.8	0.0	0.00	100.8	5.6	0.0	0.0	350	01-Jun
PX06	85	153	32.00	38.1	19.0	0.0	0.00	137.8	4.5	0.0	0.0	350	02-Jun
PX06	85	154	31.30	34.7	19.8	0.0	0.00	149.8	5.9	0.0	0.0	350	03-Jun
PX06	85	155	31.70	36.8	16.9	0.0	0.00	118.9	6.2	0.0	0.0	350	04-Jun
PX06	85	156	31.30	39.7	20.8	0.0	0.00	121.9	9.0	0.0	0.0	350	05-Jun
PX06	85	157	30.90	44.4	22.1	0.0	0.00	96.6	9.4	0.0	0.0	350	06-Jun
PX06	85	158	25.90	47.3	24.7	0.0	0.00	86.8	9.9	0.0	0.0	350	07-Jun
PX06	85	159	31.50	46.3	25.7	0.0	0.00	195.8	10.3	0.0	0.0	350	08-Jun
PX06	85	160	31.30	46.4	24.4	0.0	0.00	179.0	9.2	0.0	0.0	350	09-Jun
PX06	85	161	32.10	44.5	25.5	0.0	0.00	224.1	9.9	0.0	0.0	350	10-Jun
PX06	85	162	31.30	42.0	25.2	0.0	0.00	199.9	11.0	0.0	0.0	350	11-Jun
PX06	85	163	31.10	44.9	26.3	0.0	0.00	222.0	11.4	0.0	0.0	350	12-Jun
PX06	85	164	31.50	44.7	26.1	0.0	0.00	201.4	7.5	0.0	0.0	350	13-Jun
PX06	85	165	30.40	42.0	24.3	0.0	0.00	167.3	9.0	0.0	0.0	350	14-Jun
PX06	85	166	32.00	44.1	22.6	0.0	0.00	90.5	7.8	0.0	0.0	350	15-Jun
PX06	85	167	32.00	45.2	23.7	0.0	0.00	87.3	7.8	0.0	0.0	350	16-Jun
PX06	85	168	31.70	46.2	24.0	0.0	0.00	85.1	7.1	0.0	0.0	350	17-Jun
PX06	85	169	30.40	46.7	24.3	0.0	0.00	116.3	7.5	0.0	0.0	350	18-Jun
PX06	85	170	27.10	44.6	26.5	0.0	0.00	91.6	10.6	0.0	0.0	350	19-Jun
PX06	85	171	30.10	43.2	28.4	0.0	0.00	118.6	13.3	0.0	0.0	350	20-Jun
PX06	85	172	31.10	39.1	25.6	0.0	0.00	100.7	9.9	0.0	0.0	350	21-Jun
PX06	85	173	27.70	40.5	24.3	0.0	0.00	136.2	11.0	0.0	0.0	350	22-Jun
PX06	85	174	21.10	40.9	26.0	0.0	0.00	71.4	11.5	0.0	0.0	350	23-Jun
PX06	85	175	12.90	37.2	27.8	0.0	0.00	126.3	11.3	0.0	0.0	350	24-Jun
PX06	85	176	31.20	38.1	22.5	0.0	0.00	97.5	8.6	0.0	0.0	350	25-Jun
PX06	85	177	32.60	40.8	23.2	0.0	0.00	103.2	4.6	0.0	0.0	350	26-Jun
PX06	85	178	32.10	44.6	19.7	0.0	0.00	62.1	4.3	0.0	0.0	350	27-Jun
PX06	85	179	31.80	41.1	22.3	0.0	0.00	91.1	9.0	0.0	0.0	350	28-Jun
PX06	85	180	28.80	42.0	23.7	0.0	0.00	118.9	9.5	0.0	0.0	350	29-Jun
PX06	85	181	30.70	43.0	23.1	0.0	0.00	105.3	9.9	0.0	0.0	350	30-Jun
PX06	85	182	30.50	45.0	23.7	0.0	0.00	141.0	9.3	0.0	0.0	350	01-Jul
PX06	85	183	31.60	45.7	25.8	0.0	0.00	146.3	7.8	0.0	0.0	350	02-Jul
PX06	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.3	0.0	0.0	350	03-Jul
PX06	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.1	0.0	0.0	350	04-Jul
PX06	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.5	0.0	0.0	350	05-Jul
PX06	85	187	29.40	40.9	27.9	0.0	0.00	125.6	18.6	0.0	0.0	350	06-Jul
PX06	85	188	28.20	42.1	29.7	0.0	0.00	136.1	17.1	0.0	0.0	350	07-Jul
PX06	85	189	26.30	44.9	30.4	0.0	0.00	142.8	14.9	0.0	0.0	350	08-Jul
PX06	85	190	29.40	41.6	31.6	0.0	0.00	146.2	18.0	0.0	0.0	350	09-Jul
PX06	85	191	29.70	42.6	29.0	0.0	0.00	133.1	17.4	0.0	0.0	350	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	85	192	29.30	45.0	28.7	0.0	0.00	107.4	17.4	0.0	0.0	350	11-Jul
PX06	85	193	28.40	39.4	28.0	0.0	0.00	110.2	19.2	0.0	0.0	350	12-Jul
PX06	85	194	22.80	41.1	28.1	0.0	0.00	123.7	18.0	0.0	0.0	350	13-Jul
PX06	85	195	27.70	41.4	30.3	0.0	0.00	147.6	18.4	0.0	0.0	350	14-Jul
PX06	85	196	29.20	40.3	28.7	23.0	0.00	185.1	19.5	0.0	0.0	350	15-Jul
PX06	85	197	26.20	35.7	23.4	0.0	0.00	97.8	23.5	0.0	0.0	350	16-Jul
PX06	85	198	30.30	38.4	27.0	0.0	0.00	168.8	22.0	0.0	0.0	350	17-Jul
PX06	85	199	18.30	31.6	23.6	5.0	0.00	110.3	22.8	0.0	0.0	350	18-Jul
PX06	85	200	19.20	33.8	25.3	0.0	0.00	129.1	22.1	0.0	0.0	350	19-Jul
PX06	85	201	28.80	36.5	26.8	0.0	0.00	91.9	21.3	0.0	0.0	350	20-Jul
PX06	85	202	30.80	37.8	26.7	0.0	0.00	127.3	20.6	0.0	0.0	350	21-Jul
PX06	85	203	30.80	39.2	28.2	0.0	0.00	133.5	18.7	0.0	0.0	350	22-Jul
PX06	85	204	31.20	40.2	26.4	0.0	0.00	107.5	19.1	0.0	0.0	350	23-Jul
PX06	85	205	30.39	39.7	25.3	0.0	0.00	89.8	11.2	0.0	0.0	350	24-Jul
PX06	85	206	30.80	41.7	25.7	0.0	0.00	135.7	11.5	0.0	0.0	350	25-Jul
PX06	85	207	30.60	39.2	23.1	0.0	0.00	125.5	16.0	0.0	0.0	350	26-Jul
PX06	85	208	22.00	38.0	30.3	0.0	0.00	235.4	17.2	0.0	0.0	350	27-Jul
PX06	85	209	25.60	36.4	28.4	0.0	0.00	171.5	20.1	0.0	0.0	350	28-Jul
PX06	85	210	25.70	38.7	28.4	0.0	0.00	123.4	20.8	0.0	0.0	350	29-Jul
PX06	85	211	30.00	41.0	28.3	0.0	0.00	114.3	20.2	0.0	0.0	350	30-Jul
PX06	85	212	29.90	43.3	28.0	0.0	0.00	117.6	15.8	0.0	0.0	350	31-Jul
PX06	85	213	18.60	38.2	28.2	0.0	0.00	167.2	19.7	0.0	0.0	350	01-Aug
PX06	85	214	24.80	36.9	27.0	0.0	0.00	145.1	21.4	0.0	0.0	350	02-Aug
PX06	85	215	28.50	36.9	26.7	0.0	0.00	86.6	21.7	0.0	0.0	350	03-Aug
PX06	85	216	29.60	38.3	28.0	0.0	0.00	116.4	19.2	0.0	0.0	350	04-Aug
PX06	85	217	28.50	39.3	26.0	0.0	0.00	108.4	15.2	0.0	0.0	350	05-Aug
PX06	85	218	28.80	40.1	25.2	0.0	0.00	110.5	17.6	0.0	0.0	350	06-Aug
PX06	85	219	26.50	41.2	29.3	0.0	0.00	139.5	19.5	0.0	0.0	350	07-Aug
PX06	85	220	28.50	42.0	27.6	0.0	0.00	110.9	19.4	0.0	0.0	350	08-Aug
PX06	85	221	29.50	37.5	26.0	0.0	0.00	121.6	18.0	0.0	0.0	350	09-Aug
PX06	85	222	29.00	38.2	25.7	0.0	0.00	160.3	17.3	0.0	0.0	350	10-Aug
PX06	85	223	26.80	38.3	27.7	0.0	0.00	197.5	20.6	0.0	0.0	350	11-Aug
PX06	85	224	29.40	38.4	23.7	0.0	0.00	168.4	15.1	0.0	0.0	350	12-Aug
PX06	85	225	29.40	41.5	24.1	0.0	0.00	178.5	12.6	0.0	0.0	350	13-Aug
PX06	85	226	30.10	42.7	22.3	0.0	0.00	176.8	8.4	0.0	0.0	350	14-Aug
PX06	85	227	29.10	43.1	20.5	0.0	0.00	174.9	7.7	0.0	0.0	350	15-Aug
PX06	85	228	28.50	39.7	21.4	0.0	0.00	189.7	12.5	0.0	0.0	350	16-Aug
PX06	85	229	19.30	37.4	24.9	0.0	0.00	191.4	15.6	0.0	0.0	350	17-Aug
PX06	85	230	27.20	40.1	25.9	0.0	0.00	210.5	17.8	0.0	0.0	350	18-Aug
PX06	85	231	27.40	41.4	27.7	0.0	0.00	228.7	18.7	0.0	0.0	350	19-Aug
PX06	85	232	20.20	34.0	23.5	21.0	0.00	112.9	22.5	0.0	0.0	350	20-Aug
PX06	85	233	27.30	39.1	25.4	0.0	0.00	65.3	22.3	0.0	0.0	350	21-Aug
PX06	85	234	26.90	42.6	26.0	0.0	0.00	61.9	20.2	0.0	0.0	350	22-Aug
PX06	85	235	27.80	40.5	24.8	0.0	0.00	75.1	19.4	0.0	0.0	350	23-Aug
PX06	85	236	24.10	42.5	26.7	0.0	0.00	128.9	17.3	0.0	0.0	350	24-Aug
PX06	85	237	22.20	43.7	30.2	0.0	0.00	162.1	18.3	0.0	0.0	350	25-Aug
PX06	85	238	25.00	41.3	29.4	0.0	0.00	201.6	18.9	0.0	0.0	350	26-Aug
PX06	85	239	24.80	44.1	29.3	0.0	0.00	196.6	20.5	0.0	0.0	350	27-Aug
PX06	85	240	26.20	45.4	27.2	0.0	0.00	175.3	18.9	0.0	0.0	350	28-Aug
PX06	85	241	25.80	47.2	29.7	0.0	0.00	173.0	18.2	0.0	0.0	350	29-Aug
PX06	85	242	26.60	41.2	28.0	0.0	0.00	222.5	19.2	0.0	0.0	350	30-Aug
PX06	85	243	26.10	39.9	27.3	6.0	0.00	227.0	19.9	0.0	0.0	350	31-Aug

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	85 244	23.40	36.0	24.8	0.0	0.00	96.8	21.3	0.0	0.0	350	01-Sep
PX06	85 245	25.20	39.5	26.0	0.0	0.00	114.9	19.2	0.0	0.0	350	02-Sep
PX06	85 246	23.60	40.2	26.5	0.0	0.00	160.4	15.4	0.0	0.0	350	03-Sep
PX06	85 247	21.60	36.5	22.4	0.0	0.00	176.5	12.3	0.0	0.0	350	04-Sep
PX06	85 248	23.40	34.5	19.8	0.0	0.00	98.3	11.2	0.0	0.0	350	05-Sep
PX06	85 249	19.40	32.8	20.2	0.0	0.00	132.7	14.2	0.0	0.0	350	06-Sep
PX06	85 250	26.10	33.2	20.2	0.0	0.00	101.3	13.8	0.0	0.0	350	07-Sep
PX06	85 251	24.90	35.8	19.7	0.0	0.00	115.3	11.8	0.0	0.0	350	08-Sep
PX06	85 252	16.00	32.7	21.2	0.0	0.00	78.9	11.3	0.0	0.0	350	09-Sep
PX06	85 253	13.80	34.1	22.9	0.0	0.00	83.2	12.4	0.0	0.0	350	10-Sep
PX06	85 254	24.10	32.5	17.9	0.0	0.00	189.4	13.2	0.0	0.0	350	11-Sep
PX06	85 255	25.10	34.4	13.3	0.0	0.00	54.0	6.1	0.0	0.0	350	12-Sep
PX06	85 256	24.80	36.4	15.1	0.0	0.00	77.7	9.3	0.0	0.0	350	13-Sep
PX06	85 257	22.40	47.1	20.3	0.0	0.00	73.5	13.2	0.0	0.0	350	14-Sep
PX06	85 258	17.00	39.1	25.2	0.0	0.00	107.0	16.3	0.0	0.0	350	15-Sep
PX06	85 259	16.50	39.9	23.5	0.0	0.00	91.6	12.4	0.0	0.0	350	16-Sep
PX06	85 260	24.10	39.9	22.6	0.0	0.00	150.9	12.6	0.0	0.0	350	17-Sep
PX06	85 261	11.90	27.3	16.9	17.0	0.00	145.6	18.5	0.0	0.0	350	18-Sep
PX06	85 262	23.60	30.3	15.8	1.0	0.00	99.1	13.1	0.0	0.0	350	19-Sep
PX06	85 263	23.30	29.2	15.3	0.0	0.00	57.6	12.9	0.0	0.0	350	20-Sep
PX06	85 264	23.60	32.4	16.1	0.0	0.00	48.5	13.0	0.0	0.0	350	21-Sep
PX06	85 265	23.50	34.2	16.4	0.0	0.00	101.0	15.3	0.0	0.0	350	22-Sep
PX06	85 266	19.50	34.9	17.3	0.0	0.00	75.0	14.3	0.0	0.0	350	23-Sep
PX06	85 267	22.90	37.1	18.1	0.0	0.00	72.3	17.8	0.0	0.0	350	24-Sep
PX06	85 268	21.20	36.9	18.9	0.0	0.00	89.7	12.2	0.0	0.0	350	25-Sep
PX06	85 269	21.80	38.2	19.6	5.0	0.00	108.8	12.7	0.0	0.0	350	26-Sep
PX06	85 270	18.50	34.0	20.8	1.0	0.00	169.8	15.8	0.0	0.0	350	27-Sep
PX06	85 271	15.00	29.3	20.5	0.0	0.00	170.0	16.1	0.0	0.0	350	28-Sep
PX06	85 272	21.90	32.2	17.2	0.0	0.00	73.8	14.8	0.0	0.0	350	29-Sep
PX06	85 273	16.90	33.2	19.5	0.0	0.00	60.2	13.2	0.0	0.0	350	30-Sep
PX06	85 274	20.90	34.7	16.4	0.0	0.00	60.5	11.3	0.0	0.0	350	01-Oct
PX06	85 275	20.80	34.1	19.6	0.0	0.00	76.1	13.0	0.0	0.0	350	02-Oct

FILENAME: PX120407.W85   WEATHER DATA FOR CO2-AMBIENT, IRRIGATION-DRY, REP-#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓				CO2YR	WINDYR
PX12	33.40	112.00	2.30	0 1 1 0 1				350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX12	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX12	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX12	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX12	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX12	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX12	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX12	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX12	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX12	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX12	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX12	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX12	85 106	23.42	38.8	18.1	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX12	85 107	24.54	36.1	22.2	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX12	85 108	25.31	25.7	13.3	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX12	85 109	28.01	29.5	11.2	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX12	85 110	21.55	29.8	13.3	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX12	85 111	12.79	24.7	11.2	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX12	85 112	27.99	27.8	11.8	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX12	85 113	29.60	32.4	15.2	0.0	0.00	78.8	3.6	0.0	0.0	350	23-Apr
PX12	85 114	29.00	35.6	14.5	0.0	0.00	105.4	2.1	0.0	0.0	350	24-Apr
PX12	85 115	29.60	31.1	17.5	0.0	0.00	228.7	0.9	0.0	0.0	350	25-Apr
PX12	85 116	22.60	21.0	12.2	0.0	0.00	204.4	0.2	0.0	0.0	350	26-Apr
PX12	85 117	12.50	23.0	10.7	0.0	0.00	128.8	8.0	0.0	0.0	350	27-Apr
PX12	85 118	21.50	22.3	11.9	3.0	0.00	86.8	9.3	0.0	0.0	350	28-Apr
PX12	85 119	29.20	30.0	10.8	0.0	0.00	87.8	10.6	0.0	0.0	350	29-Apr
PX12	85 120	27.80	37.3	16.3	0.0	0.00	88.5	9.5	0.0	0.0	350	30-Apr
PX12	85 121	27.80	39.5	20.1	0.0	0.00	141.0	8.2	0.0	0.0	350	01-May
PX12	85 122	27.30	38.6	22.0	0.0	0.00	115.7	9.0	0.0	0.0	350	02-May
PX12	85 123	28.80	39.1	23.4	23.4	0.00	123.3	7.0	0.0	0.0	350	03-May
PX12	85 124	30.50	37.8	20.4	0.0	0.00	148.3	3.8	0.0	0.0	350	04-May
PX12	85 125	25.10	36.1	18.0	0.0	0.00	118.0	1.3	0.0	0.0	350	05-May
PX12	85 126	30.60	36.5	17.5	0.0	0.00	118.9	1.1	0.0	0.0	350	06-May
PX12	85 127	22.90	35.9	17.1	0.0	0.00	59.5	0.6	0.0	0.0	350	07-May
PX12	85 128	28.00	38.8	17.4	0.0	0.00	75.3	2.7	0.0	0.0	350	08-May
PX12	85 129	19.70	38.7	21.7	0.0	0.00	178.3	5.3	0.0	0.0	350	09-May
PX12	85 130	31.70	28.5	19.2	0.0	0.00	236.4	3.9	0.0	0.0	350	10-May
PX12	85 131	30.90	30.4	14.2	0.0	0.00	100.8	3.2	0.0	0.0	350	11-May
PX12	85 132	31.10	31.3	14.7	0.0	0.00	89.9	3.9	0.0	0.0	350	12-May
PX12	85 133	31.40	34.1	15.4	0.0	0.00	73.5	2.5	0.0	0.0	350	13-May
PX12	85 134	31.80	35.8	16.0	0.0	0.00	63.6	-3.5	0.0	0.0	350	14-May
PX12	85 135	27.40	38.8	17.0	0.0	0.00	133.5	-0.2	0.0	0.0	350	15-May
PX12	85 136	20.10	36.4	24.9	0.0	0.00	145.7	4.6	0.0	0.0	350	16-May
PX12	85 137	31.00	38.7	21.3	0.0	0.00	96.6	8.0	0.0	0.0	350	17-May
PX12	85 138	31.40	39.6	21.9	0.0	0.00	147.2	6.7	0.0	0.0	350	18-May
PX12	85 139	32.30	36.9	20.3	0.0	0.00	179.5	1.9	0.0	0.0	350	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	85	140	31.80	37.5	20.2	0.0	0.00	179.7	3.8	0.0	0.0	350	20-May
PX12	85	141	31.50	36.5	20.4	0.0	0.00	133.5	6.4	0.0	0.0	350	21-May
PX12	85	142	30.50	39.1	18.9	0.0	0.00	110.3	6.7	0.0	0.0	350	22-May
PX12	85	143	22.70	38.2	20.5	0.0	0.00	122.7	7.1	0.0	0.0	350	23-May
PX12	85	144	28.90	40.0	21.2	0.0	0.00	156.4	8.1	0.0	0.0	350	24-May
PX12	85	145	32.10	39.6	21.8	0.0	0.00	172.2	7.3	0.0	0.0	350	25-May
PX12	85	146	32.40	39.1	19.6	0.0	0.00	179.1	7.4	0.0	0.0	350	26-May
PX12	85	147	31.60	39.0	21.6	0.0	0.00	142.1	8.9	0.0	0.0	350	27-May
PX12	85	148	32.40	40.5	19.8	0.0	0.00	109.7	9.3	0.0	0.0	350	28-May
PX12	85	149	26.90	40.0	23.7	0.0	0.00	89.5	9.7	0.0	0.0	350	29-May
PX12	85	150	20.00	36.4	24.5	0.0	0.00	88.1	12.0	0.0	0.0	350	30-May
PX12	85	151	32.60	36.6	20.8	0.0	0.00	182.4	8.1	0.0	0.0	350	31-May
PX12	85	152	31.70	35.3	18.8	0.0	0.00	100.8	4.8	0.0	0.0	350	01-Jun
PX12	85	153	32.00	37.4	19.0	0.0	0.00	137.8	3.8	0.0	0.0	350	02-Jun
PX12	85	154	31.30	34.5	19.9	0.0	0.00	149.8	5.4	0.0	0.0	350	03-Jun
PX12	85	155	31.70	36.9	17.0	0.0	0.00	118.9	5.6	0.0	0.0	350	04-Jun
PX12	85	156	31.30	39.8	20.8	0.0	0.00	121.9	8.4	0.0	0.0	350	05-Jun
PX12	85	157	30.90	44.2	22.2	0.0	0.00	96.6	8.8	0.0	0.0	350	06-Jun
PX12	85	158	25.90	47.4	24.9	0.0	0.00	86.8	9.2	0.0	0.0	350	07-Jun
PX12	85	159	31.50	45.8	25.9	0.0	0.00	195.8	10.0	0.0	0.0	350	08-Jun
PX12	85	160	31.30	45.8	24.8	0.0	0.00	179.0	9.2	0.0	0.0	350	09-Jun
PX12	85	161	32.10	43.4	25.4	0.0	0.00	224.1	9.5	0.0	0.0	350	10-Jun
PX12	85	162	31.30	42.2	25.2	0.0	0.00	199.9	10.7	0.0	0.0	350	11-Jun
PX12	85	163	31.10	44.5	26.1	0.0	0.00	222.0	11.1	0.0	0.0	350	12-Jun
PX12	85	164	31.50	43.7	26.1	0.0	0.00	201.4	7.3	0.0	0.0	350	13-Jun
PX12	85	165	30.40	42.2	24.3	0.0	0.00	167.3	7.8	0.0	0.0	350	14-Jun
PX12	85	166	32.00	44.1	22.8	0.0	0.00	90.5	7.1	0.0	0.0	350	15-Jun
PX12	85	167	32.00	45.0	23.7	0.0	0.00	87.3	7.3	0.0	0.0	350	16-Jun
PX12	85	168	31.70	45.8	23.8	0.0	0.00	85.1	6.5	0.0	0.0	350	17-Jun
PX12	85	169	30.40	46.1	24.3	0.0	0.00	116.3	7.1	0.0	0.0	350	18-Jun
PX12	85	170	27.10	43.5	26.4	0.0	0.00	91.6	10.3	0.0	0.0	350	19-Jun
PX12	85	171	30.10	42.0	28.4	0.0	0.00	118.6	13.4	0.0	0.0	350	20-Jun
PX12	85	172	31.10	38.6	25.4	0.0	0.00	100.7	9.9	0.0	0.0	350	21-Jun
PX12	85	173	27.70	40.1	24.2	0.0	0.00	136.2	10.7	0.0	0.0	350	22-Jun
PX12	85	174	21.10	41.2	25.8	0.0	0.00	71.4	11.6	0.0	0.0	350	23-Jun
PX12	85	175	12.90	37.2	27.8	0.0	0.00	126.3	11.2	0.0	0.0	350	24-Jun
PX12	85	176	31.20	37.3	22.2	0.0	0.00	97.5	8.4	0.0	0.0	350	25-Jun
PX12	85	177	32.60	40.1	23.0	0.0	0.00	103.2	4.6	0.0	0.0	350	26-Jun
PX12	85	178	32.10	43.5	19.2	0.0	0.00	62.1	3.9	0.0	0.0	350	27-Jun
PX12	85	179	31.80	42.2	22.4	0.0	0.00	91.1	8.1	0.0	0.0	350	28-Jun
PX12	85	180	28.80	42.4	23.6	0.0	0.00	118.9	8.5	0.0	0.0	350	29-Jun
PX12	85	181	30.70	43.1	23.0	0.0	0.00	105.3	11.3	0.0	0.0	350	30-Jun
PX12	85	182	30.50	45.1	23.6	0.0	0.00	141.0	9.8	0.0	0.0	350	01-Jul
PX12	85	183	31.60	45.4	25.3	0.0	0.00	146.3	6.7	0.0	0.0	350	02-Jul
PX12	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	350	03-Jul
PX12	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	350	04-Jul
PX12	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	350	05-Jul
PX12	85	187	29.40	39.3	26.8	0.0	0.00	125.6	20.2	0.0	0.0	350	06-Jul
PX12	85	188	28.20	41.7	28.4	0.0	0.00	136.1	17.3	0.0	0.0	350	07-Jul
PX12	85	189	26.30	44.1	30.0	0.0	0.00	142.8	15.4	0.0	0.0	350	08-Jul
PX12	85	190	29.40	41.1	31.7	0.0	0.00	146.2	18.0	0.0	0.0	350	09-Jul
PX12	85	191	29.70	41.8	29.0	0.0	0.00	133.1	17.4	0.0	0.0	350	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	85	192	29.30	44.3	28.5	0.0	0.00	107.4	17.5	0.0	0.0	350	11-Jul
PX12	85	193	28.40	42.8	30.3	0.0	0.00	110.2	16.8	0.0	0.0	350	12-Jul
PX12	85	194	22.80	41.9	28.0	0.0	0.00	123.7	17.3	0.0	0.0	350	13-Jul
PX12	85	195	27.70	41.8	30.3	0.0	0.00	147.6	18.1	0.0	0.0	350	14-Jul
PX12	85	196	29.20	40.3	28.8	23.0	0.00	185.1	19.4	0.0	0.0	350	15-Jul
PX12	85	197	26.20	35.9	22.6	0.0	0.00	97.8	23.8	0.0	0.0	350	16-Jul
PX12	85	198	30.30	38.2	26.8	0.0	0.00	168.8	21.7	0.0	0.0	350	17-Jul
PX12	85	199	18.30	31.3	23.5	5.0	0.00	110.3	22.7	0.0	0.0	350	18-Jul
PX12	85	200	19.20	33.9	25.3	0.0	0.00	129.1	21.8	0.0	0.0	350	19-Jul
PX12	85	201	28.80	36.8	26.9	0.0	0.00	91.9	21.7	0.0	0.0	350	20-Jul
PX12	85	202	30.80	38.3	26.5	0.0	0.00	127.3	20.4	0.0	0.0	350	21-Jul
PX12	85	203	30.80	38.9	28.1	0.0	0.00	133.5	18.4	0.0	0.0	350	22-Jul
PX12	85	204	31.20	39.5	26.0	0.0	0.00	107.5	17.2	0.0	0.0	350	23-Jul
PX12	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	350	24-Jul
PX12	85	206	30.80	40.5	25.6	0.0	0.00	135.7	11.4	0.0	0.0	350	25-Jul
PX12	85	207	30.60	39.7	23.1	0.0	0.00	125.5	15.5	0.0	0.0	350	26-Jul
PX12	85	208	22.00	38.3	30.4	0.0	0.00	235.4	16.7	0.0	0.0	350	27-Jul
PX12	85	209	25.60	36.4	28.4	0.0	0.00	171.5	19.6	0.0	0.0	350	28-Jul
PX12	85	210	25.70	38.5	28.3	0.0	0.00	123.4	20.4	0.0	0.0	350	29-Jul
PX12	85	211	30.00	40.4	28.4	0.0	0.00	114.3	19.9	0.0	0.0	350	30-Jul
PX12	85	212	29.90	42.5	27.4	0.0	0.00	117.6	15.6	0.0	0.0	350	31-Jul
PX12	85	213	18.60	37.4	28.3	0.0	0.00	167.2	19.6	0.0	0.0	350	01-Aug
PX12	85	214	24.80	36.7	26.9	0.0	0.00	145.1	21.3	0.0	0.0	350	02-Aug
PX12	85	215	28.50	36.8	26.4	0.0	0.00	86.6	21.5	0.0	0.0	350	03-Aug
PX12	85	216	29.60	38.4	28.0	0.0	0.00	116.4	18.9	0.0	0.0	350	04-Aug
PX12	85	217	28.50	39.4	25.8	0.0	0.00	108.4	14.6	0.0	0.0	350	05-Aug
PX12	85	218	28.80	39.4	24.6	0.0	0.00	110.5	17.2	0.0	0.0	350	06-Aug
PX12	85	219	26.50	39.6	29.3	0.0	0.00	139.5	19.2	0.0	0.0	350	07-Aug
PX12	85	220	28.50	40.0	27.3	0.0	0.00	110.9	19.3	0.0	0.0	350	08-Aug
PX12	85	221	29.50	38.1	25.6	0.0	0.00	121.6	17.4	0.0	0.0	350	09-Aug
PX12	85	222	29.00	38.1	25.4	0.0	0.00	160.3	16.6	0.0	0.0	350	10-Aug
PX12	85	223	26.80	38.3	28.6	0.0	0.00	197.5	19.8	0.0	0.0	350	11-Aug
PX12	85	224	29.40	38.1	25.2	0.0	0.00	168.4	14.2	0.0	0.0	350	12-Aug
PX12	85	225	29.40	41.7	23.9	0.0	0.00	178.5	12.3	0.0	0.0	350	13-Aug
PX12	85	226	30.10	42.7	21.5	0.0	0.00	176.8	8.4	0.0	0.0	350	14-Aug
PX12	85	227	29.10	46.4	20.9	0.0	0.00	174.9	8.6	0.0	0.0	350	15-Aug
PX12	85	228	28.50	39.9	21.7	0.0	0.00	189.7	12.0	0.0	0.0	350	16-Aug
PX12	85	229	19.30	37.9	25.0	0.0	0.00	191.4	15.0	0.0	0.0	350	17-Aug
PX12	85	230	27.20	40.2	26.2	0.0	0.00	210.5	18.3	0.0	0.0	350	18-Aug
PX12	85	231	27.40	41.0	27.7	0.0	0.00	228.7	18.6	0.0	0.0	350	19-Aug
PX12	85	232	20.20	34.7	23.5	21.0	0.00	112.9	22.5	0.0	0.0	350	20-Aug
PX12	85	233	27.30	38.7	25.5	0.0	0.00	65.3	22.4	0.0	0.0	350	21-Aug
PX12	85	234	26.90	42.3	26.0	0.0	0.00	61.9	20.2	0.0	0.0	350	22-Aug
PX12	85	235	27.80	41.9	24.6	0.0	0.00	75.1	19.2	0.0	0.0	350	23-Aug
PX12	85	236	24.10	43.8	26.9	0.0	0.00	128.9	16.8	0.0	0.0	350	24-Aug
PX12	85	237	22.20	44.1	30.2	0.0	0.00	162.1	17.7	0.0	0.0	350	25-Aug
PX12	85	238	25.00	41.5	29.5	0.0	0.00	201.6	18.6	0.0	0.0	350	26-Aug
PX12	85	239	24.80	43.7	29.5	0.0	0.00	196.6	20.2	0.0	0.0	350	27-Aug
PX12	85	240	26.20	44.7	27.0	0.0	0.00	175.3	18.5	0.0	0.0	350	28-Aug
PX12	85	241	25.80	46.4	29.7	0.0	0.00	173.0	17.6	0.0	0.0	350	29-Aug
PX12	85	242	26.60	42.3	28.4	0.0	0.00	222.5	19.3	0.0	0.0	350	30-Aug
PX12	85	243	26.10	40.5	27.7	6.0	0.00	227.0	20.3	0.0	0.0	350	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	85	244	23.40	36.8	25.3	0.0	0.00	96.8	23.0	0.0	0.0	350	01-Sep
PX12	85	245	25.20	40.1	26.3	0.0	0.00	114.9	19.5	0.0	0.0	350	02-Sep
PX12	85	246	23.60	40.1	26.6	0.0	0.00	160.4	15.0	0.0	0.0	350	03-Sep
PX12	85	247	21.60	36.7	22.9	0.0	0.00	176.5	11.6	0.0	0.0	350	04-Sep
PX12	85	248	23.40	34.6	19.9	0.0	0.00	98.3	10.6	0.0	0.0	350	05-Sep
PX12	85	249	19.40	33.2	20.6	0.0	0.00	132.7	14.5	0.0	0.0	350	06-Sep
PX12	85	250	26.10	34.4	20.2	0.0	0.00	101.3	14.0	0.0	0.0	350	07-Sep
PX12	85	251	24.90	36.2	19.9	0.0	0.00	115.3	12.0	0.0	0.0	350	08-Sep
PX12	85	252	16.00	33.0	21.4	0.0	0.00	78.9	11.3	0.0	0.0	350	09-Sep
PX12	85	253	13.80	34.5	23.0	0.0	0.00	83.2	11.4	0.0	0.0	350	10-Sep
PX12	85	254	24.10	32.6	17.9	0.0	0.00	189.4	12.8	0.0	0.0	350	11-Sep
PX12	85	255	25.10	35.2	13.5	0.0	0.00	54.0	5.4	0.0	0.0	350	12-Sep
PX12	85	256	24.80	38.1	15.1	0.0	0.00	77.7	8.2	0.0	0.0	350	13-Sep
PX12	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.0	0.0	0.0	350	14-Sep
PX12	85	258	17.00	40.3	25.6	0.0	0.00	107.0	16.0	0.0	0.0	350	15-Sep
PX12	85	259	16.50	40.8	23.8	0.0	0.00	91.6	12.1	0.0	0.0	350	16-Sep
PX12	85	260	24.10	40.1	22.7	0.0	0.00	150.9	12.4	0.0	0.0	350	17-Sep
PX12	85	261	11.90	27.3	17.1	17.0	0.00	145.6	19.5	0.0	0.0	350	18-Sep
PX12	85	262	23.60	30.3	16.0	1.0	0.00	99.1	14.1	0.0	0.0	350	19-Sep
PX12	85	263	23.30	29.2	15.3	0.0	0.00	57.6	12.9	0.0	0.0	350	20-Sep
PX12	85	264	23.60	33.1	16.4	0.0	0.00	48.5	12.9	0.0	0.0	350	21-Sep
PX12	85	265	23.50	34.4	18.0	0.0	0.00	101.0	13.1	0.0	0.0	350	22-Sep
PX12	85	266	19.50	36.0	19.4	0.0	0.00	75.0	12.0	0.0	0.0	350	23-Sep
PX12	85	267	22.90	38.0	18.4	0.0	0.00	72.3	18.0	0.0	0.0	350	24-Sep
PX12	85	268	21.20	37.8	19.2	0.0	0.00	89.7	11.6	0.0	0.0	350	25-Sep
PX12	85	269	21.80	38.6	20.1	5.0	0.00	108.8	12.4	0.0	0.0	350	26-Sep
PX12	85	270	18.50	33.8	20.9	1.0	0.00	169.8	16.2	0.0	0.0	350	27-Sep
PX12	85	271	15.00	31.4	20.9	0.0	0.00	170.0	15.9	0.0	0.0	350	28-Sep
PX12	85	272	21.90	35.0	17.3	0.0	0.00	73.8	14.9	0.0	0.0	350	29-Sep
PX12	85	273	16.90	33.6	19.8	0.0	0.00	60.2	12.9	0.0	0.0	350	30-Sep
PX12	85	274	20.90	34.4	16.8	0.0	0.00	60.5	11.1	0.0	0.0	350	01-Oct
PX12	85	275	20.80	33.9	19.8	0.0	0.00	76.1	12.8	0.0	0.0	350	02-Oct

FILENAME: PX030407.W85   WEATHER DATA FOR CO2=AMBIENT, IRRIGATION=WET, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓				CO2YR	WINDYR		
PX03	33.40	112.00	2.30	0 1 1 0 1				350	0.0		

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX03	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX03	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX03	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX03	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX03	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX03	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX03	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX03	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX03	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX03	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX03	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX03	85 106	23.42	39.0	17.6	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX03	85 107	24.54	36.2	21.6	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX03	85 108	25.31	25.7	12.8	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX03	85 109	28.01	29.6	10.7	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX03	85 110	21.55	29.8	12.8	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX03	85 111	12.79	24.7	15.6	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX03	85 112	27.99	27.8	11.3	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX03	85 113	29.60	32.2	14.5	0.0	0.00	78.8	1.5	0.0	0.0	350	23-Apr
PX03	85 114	29.00	35.6	13.6	0.0	0.00	105.4	8.0	0.0	0.0	350	24-Apr
PX03	85 115	29.60	30.9	16.9	0.0	0.00	228.7	5.3	0.0	0.0	350	25-Apr
PX03	85 116	22.60	21.4	11.6	0.0	0.00	204.4	0.6	0.0	0.0	350	26-Apr
PX03	85 117	12.50	23.7	10.7	0.0	0.00	128.8	7.4	0.0	0.0	350	27-Apr
PX03	85 118	21.50	22.4	11.7	3.0	0.00	86.8	10.7	0.0	0.0	350	28-Apr
PX03	85 119	29.20	30.0	10.2	0.0	0.00	87.8	8.9	0.0	0.0	350	29-Apr
PX03	85 120	27.80	37.4	15.5	0.0	0.00	88.5	9.3	0.0	0.0	350	30-Apr
PX03	85 121	27.80	40.0	19.7	0.0	0.00	141.0	8.0	0.0	0.0	350	01-May
PX03	85 122	27.30	39.4	21.2	0.0	0.00	115.7	8.9	0.0	0.0	350	02-May
PX03	85 123	28.80	40.4	23.0	23.4	0.00	123.3	7.1	0.0	0.0	350	03-May
PX03	85 124	30.50	39.2	20.3	0.0	0.00	148.3	3.8	0.0	0.0	350	04-May
PX03	85 125	25.10	37.3	17.6	0.0	0.00	118.0	1.5	0.0	0.0	350	05-May
PX03	85 126	30.60	37.8	16.8	0.0	0.00	118.9	1.3	0.0	0.0	350	06-May
PX03	85 127	22.90	37.4	15.9	0.0	0.00	59.5	0.9	0.0	0.0	350	07-May
PX03	85 128	28.00	40.3	16.8	0.0	0.00	75.3	2.9	0.0	0.0	350	08-May
PX03	85 129	19.70	40.0	21.3	0.0	0.00	178.3	5.4	0.0	0.0	350	09-May
PX03	85 130	31.70	29.4	19.1	0.0	0.00	236.4	3.8	0.0	0.0	350	10-May
PX03	85 131	30.90	31.9	13.8	0.0	0.00	100.8	3.0	0.0	0.0	350	11-May
PX03	85 132	31.10	32.2	14.6	0.0	0.00	89.9	3.8	0.0	0.0	350	12-May
PX03	85 133	31.40	35.6	14.8	0.0	0.00	73.5	2.5	0.0	0.0	350	13-May
PX03	85 134	31.80	37.0	14.9	0.0	0.00	63.6	-3.5	0.0	0.0	350	14-May
PX03	85 135	27.40	39.9	16.3	0.0	0.00	133.5	-0.0	0.0	0.0	350	15-May
PX03	85 136	20.10	37.7	24.5	0.0	0.00	145.7	4.8	0.0	0.0	350	16-May
PX03	85 137	31.00	40.1	21.1	0.0	0.00	96.6	8.1	0.0	0.0	350	17-May
PX03	85 138	31.40	40.7	21.6	0.0	0.00	147.2	6.8	0.0	0.0	350	18-May
PX03	85 139	32.30	38.3	19.7	0.0	0.00	179.5	2.3	0.0	0.0	350	19-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMIN STMAX	STMIN	CO2	A00
PX03	85 140	31.80	38.5	19.7	0.0	0.00	179.7	3.9	0.0	0.0	350	20-May
PX03	85 141	31.50	37.2	20.0	0.0	0.00	133.5	6.4	0.0	0.0	350	21-May
PX03	85 142	30.50	40.2	18.2	0.0	0.00	110.3	6.7	0.0	0.0	350	22-May
PX03	85 143	22.70	39.8	20.1	0.0	0.00	122.7	7.1	0.0	0.0	350	23-May
PX03	85 144	28.90	42.1	20.3	0.0	0.00	156.4	8.0	0.0	0.0	350	24-May
PX03	85 145	32.10	40.8	20.8	0.0	0.00	172.2	7.1	0.0	0.0	350	25-May
PX03	85 146	32.40	40.5	18.9	0.0	0.00	179.1	5.3	0.0	0.0	350	26-May
PX03	85 147	31.60	39.8	21.0	0.0	0.00	142.1	4.3	0.0	0.0	350	27-May
PX03	85 148	32.40	41.3	19.1	0.0	0.00	109.7	5.8	0.0	0.0	350	28-May
PX03	85 149	26.90	40.0	23.7	0.0	0.00	89.5	9.7	0.0	0.0	350	29-May
PX03	85 150	20.00	36.4	24.5	0.0	0.00	88.1	12.0	0.0	0.0	350	30-May
PX03	85 151	32.60	37.1	20.6	0.0	0.00	182.4	9.0	0.0	0.0	350	31-May
PX03	85 152	31.70	35.4	18.0	0.0	0.00	100.8	6.7	0.0	0.0	350	01-Jun
PX03	85 153	32.00	38.0	18.3	0.0	0.00	137.8	5.4	0.0	0.0	350	02-Jun
PX03	85 154	31.30	34.9	19.0	0.0	0.00	149.8	6.5	0.0	0.0	350	03-Jun
PX03	85 155	31.70	36.9	16.5	0.0	0.00	118.9	6.8	0.0	0.0	350	04-Jun
PX03	85 156	31.30	40.0	20.4	0.0	0.00	121.9	9.7	0.0	0.0	350	05-Jun
PX03	85 157	30.90	44.7	21.7	0.0	0.00	96.6	10.3	0.0	0.0	350	06-Jun
PX03	85 158	25.90	47.7	24.1	0.0	0.00	86.8	11.0	0.0	0.0	350	07-Jun
PX03	85 159	31.50	45.3	25.0	0.0	0.00	195.8	12.0	0.0	0.0	350	08-Jun
PX03	85 160	31.30	46.1	24.0	0.0	0.00	179.0	10.9	0.0	0.0	350	09-Jun
PX03	85 161	32.10	44.2	24.4	0.0	0.00	224.1	10.9	0.0	0.0	350	10-Jun
PX03	85 162	31.30	42.3	24.4	0.0	0.00	199.9	11.8	0.0	0.0	350	11-Jun
PX03	85 163	31.10	44.7	25.3	0.0	0.00	222.0	12.2	0.0	0.0	350	12-Jun
PX03	85 164	31.50	45.0	25.0	0.0	0.00	201.4	8.5	0.0	0.0	350	13-Jun
PX03	85 165	30.40	42.7	24.1	0.0	0.00	167.3	9.9	0.0	0.0	350	14-Jun
PX03	85 166	32.00	43.2	21.3	0.0	0.00	90.5	9.4	0.0	0.0	350	15-Jun
PX03	85 167	32.00	40.7	22.8	0.0	0.00	87.3	10.7	0.0	0.0	350	16-Jun
PX03	85 168	31.70	45.5	23.1	0.0	0.00	85.1	10.4	0.0	0.0	350	17-Jun
PX03	85 169	30.40	45.6	23.4	0.0	0.00	116.3	11.3	0.0	0.0	350	18-Jun
PX03	85 170	27.10	42.6	24.0	0.0	0.00	91.6	12.3	0.0	0.0	350	19-Jun
PX03	85 171	30.10	43.3	24.8	0.0	0.00	118.6	15.8	0.0	0.0	350	20-Jun
PX03	85 172	31.10	38.9	24.8	0.0	0.00	100.7	11.0	0.0	0.0	350	21-Jun
PX03	85 173	27.70	39.1	22.6	0.0	0.00	136.2	13.1	0.0	0.0	350	22-Jun
PX03	85 174	21.10	39.3	23.7	0.0	0.00	71.4	16.2	0.0	0.0	350	23-Jun
PX03	85 175	12.90	36.2	24.8	0.0	0.00	126.3	13.3	0.0	0.0	350	24-Jun
PX03	85 176	31.20	39.2	19.5	0.0	0.00	97.5	11.4	0.0	0.0	350	25-Jun
PX03	85 177	32.60	40.2	23.0	0.0	0.00	103.2	8.1	0.0	0.0	350	26-Jun
PX03	85 178	32.10	44.0	18.4	0.0	0.00	62.1	8.8	0.0	0.0	350	27-Jun
PX03	85 179	31.80	41.3	20.7	0.0	0.00	91.1	12.4	0.0	0.0	350	28-Jun
PX03	85 180	28.80	41.4	21.9	0.0	0.00	118.9	11.9	0.0	0.0	350	29-Jun
PX03	85 181	30.70	43.2	22.1	0.0	0.00	105.3	12.5	0.0	0.0	350	30-Jun
PX03	85 182	30.50	44.4	23.1	0.0	0.00	141.0	12.2	0.0	0.0	350	01-Jul
PX03	85 183	31.60	44.5	25.1	0.0	0.00	146.3	9.9	0.0	0.0	350	02-Jul
PX03	85 184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	350	03-Jul
PX03	85 185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	350	04-Jul
PX03	85 186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	350	05-Jul
PX03	85 187	29.40	38.7	26.4	0.0	0.00	125.6	20.1	0.0	0.0	350	06-Jul
PX03	85 188	28.20	40.3	28.5	0.0	0.00	136.1	18.6	0.0	0.0	350	07-Jul
PX03	85 189	26.30	42.3	29.4	0.0	0.00	142.8	16.6	0.0	0.0	350	08-Jul
PX03	85 190	29.40	39.9	30.8	0.0	0.00	146.2	19.1	0.0	0.0	350	09-Jul
PX03	85 191	29.70	41.0	28.3	0.0	0.00	133.1	18.4	0.0	0.0	350	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	85	192	29.30	41.4	28.1	0.0	0.00	107.4	19.0	0.0	0.0	350	11-Jul
PX03	85	193	28.40	39.4	28.0	0.0	0.00	110.2	19.2	0.0	0.0	350	12-Jul
PX03	85	194	22.80	39.0	26.4	0.0	0.00	123.7	18.7	0.0	0.0	350	13-Jul
PX03	85	195	27.70	39.6	29.5	0.0	0.00	147.6	19.4	0.0	0.0	350	14-Jul
PX03	85	196	29.20	38.4	26.8	23.0	0.00	185.1	20.2	0.0	0.0	350	15-Jul
PX03	85	197	26.20	34.2	23.5	0.0	0.00	97.8	20.7	0.0	0.0	350	16-Jul
PX03	85	198	30.30	36.4	26.1	0.0	0.00	168.8	22.7	0.0	0.0	350	17-Jul
PX03	85	199	18.30	30.7	22.2	5.0	0.00	110.3	22.5	0.0	0.0	350	18-Jul
PX03	85	200	19.20	32.7	25.2	0.0	0.00	129.1	22.6	0.0	0.0	350	19-Jul
PX03	85	201	28.80	35.5	26.0	0.0	0.00	91.9	22.6	0.0	0.0	350	20-Jul
PX03	85	202	30.80	35.9	25.8	0.0	0.00	127.3	21.5	0.0	0.0	350	21-Jul
PX03	85	203	30.80	36.6	27.3	0.0	0.00	133.5	19.6	0.0	0.0	350	22-Jul
PX03	85	204	31.20	37.3	25.4	0.0	0.00	107.5	18.5	0.0	0.0	350	23-Jul
PX03	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	350	24-Jul
PX03	85	206	30.80	39.6	24.9	0.0	0.00	135.7	12.8	0.0	0.0	350	25-Jul
PX03	85	207	30.60	36.6	22.5	0.0	0.00	125.5	17.3	0.0	0.0	350	26-Jul
PX03	85	208	22.00	36.3	28.9	0.0	0.00	235.4	18.0	0.0	0.0	350	27-Jul
PX03	85	209	25.60	34.9	27.5	0.0	0.00	171.5	20.7	0.0	0.0	350	28-Jul
PX03	85	210	25.70	36.2	27.8	0.0	0.00	123.4	21.4	0.0	0.0	350	29-Jul
PX03	85	211	30.00	38.6	27.8	0.0	0.00	114.3	21.0	0.0	0.0	350	30-Jul
PX03	85	212	29.90	41.9	27.1	0.0	0.00	117.6	16.8	0.0	0.0	350	31-Jul
PX03	85	213	18.60	37.0	27.8	0.0	0.00	167.2	20.2	0.0	0.0	350	01-Aug
PX03	85	214	24.80	35.9	26.5	0.0	0.00	145.1	22.0	0.0	0.0	350	02-Aug
PX03	85	215	28.50	35.4	25.8	0.0	0.00	86.6	22.4	0.0	0.0	350	03-Aug
PX03	85	216	29.60	36.5	26.8	0.0	0.00	116.4	20.2	0.0	0.0	350	04-Aug
PX03	85	217	28.50	37.1	25.1	0.0	0.00	108.4	16.2	0.0	0.0	350	05-Aug
PX03	85	218	28.80	37.5	24.3	0.0	0.00	110.5	18.5	0.0	0.0	350	06-Aug
PX03	85	219	26.50	38.6	28.3	0.0	0.00	139.5	20.2	0.0	0.0	350	07-Aug
PX03	85	220	28.50	39.9	26.9	0.0	0.00	110.9	20.2	0.0	0.0	350	08-Aug
PX03	85	221	29.50	35.9	25.5	0.0	0.00	121.6	18.7	0.0	0.0	350	09-Aug
PX03	85	222	29.00	36.5	24.2	0.0	0.00	160.3	17.9	0.0	0.0	350	10-Aug
PX03	85	223	26.80	36.2	27.7	0.0	0.00	197.5	20.7	0.0	0.0	350	11-Aug
PX03	85	224	29.40	35.8	24.3	0.0	0.00	168.4	15.9	0.0	0.0	350	12-Aug
PX03	85	225	29.40	38.5	22.6	0.0	0.00	178.5	15.3	0.0	0.0	350	13-Aug
PX03	85	226	30.10	40.2	20.4	0.0	0.00	176.8	10.6	0.0	0.0	350	14-Aug
PX03	85	227	29.10	41.0	19.2	0.0	0.00	174.9	9.8	0.0	0.0	350	15-Aug
PX03	85	228	28.50	37.6	20.1	0.0	0.00	189.7	14.0	0.0	0.0	350	16-Aug
PX03	85	229	19.30	35.8	24.1	0.0	0.00	191.4	16.5	0.0	0.0	350	17-Aug
PX03	85	230	27.20	37.6	25.2	0.0	0.00	210.5	18.7	0.0	0.0	350	18-Aug
PX03	85	231	27.40	38.5	26.9	0.0	0.00	228.7	19.5	0.0	0.0	350	19-Aug
PX03	85	232	20.20	32.8	20.9	21.0	0.00	112.9	22.0	0.0	0.0	350	20-Aug
PX03	85	233	27.30	36.6	24.8	0.0	0.00	65.3	23.0	0.0	0.0	350	21-Aug
PX03	85	234	26.90	39.9	25.4	0.0	0.00	61.9	21.1	0.0	0.0	350	22-Aug
PX03	85	235	27.80	39.4	24.2	0.0	0.00	75.1	20.0	0.0	0.0	350	23-Aug
PX03	85	236	24.10	40.8	25.3	0.0	0.00	128.9	18.1	0.0	0.0	350	24-Aug
PX03	85	237	22.20	40.9	28.9	0.0	0.00	162.1	19.1	0.0	0.0	350	25-Aug
PX03	85	238	25.00	39.3	28.3	0.0	0.00	201.6	19.6	0.0	0.0	350	26-Aug
PX03	85	239	24.80	42.2	28.2	0.0	0.00	196.6	20.9	0.0	0.0	350	27-Aug
PX03	85	240	26.20	43.7	26.4	0.0	0.00	175.3	19.6	0.0	0.0	350	28-Aug
PX03	85	241	25.80	45.8	28.5	0.0	0.00	173.0	18.6	0.0	0.0	350	29-Aug
PX03	85	242	26.60	41.9	27.7	0.0	0.00	222.5	19.2	0.0	0.0	350	30-Aug
PX03	85	243	26.10	39.2	26.4	6.0	0.00	227.0	20.2	0.0	0.0	350	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	85	244	23.40	35.7	23.1	0.0	0.00	96.8	21.0	0.0	0.0	350	01-Sep
PX03	85	245	25.20	38.6	24.9	0.0	0.00	114.9	19.8	0.0	0.0	350	02-Sep
PX03	85	246	23.60	39.7	25.5	0.0	0.00	160.4	15.8	0.0	0.0	350	03-Sep
PX03	85	247	21.60	35.7	22.1	3.0	0.00	176.5	12.5	0.0	0.0	350	04-Sep
PX03	85	248	23.40	34.1	19.1	0.0	0.00	98.3	11.8	0.0	0.0	350	05-Sep
PX03	85	249	19.40	34.1	19.1	0.0	0.00	132.7	14.5	0.0	0.0	350	06-Sep
PX03	85	250	26.10	32.8	19.3	0.0	0.00	101.3	13.9	0.0	0.0	350	07-Sep
PX03	85	251	24.90	33.3	19.0	0.0	0.00	115.3	12.6	0.0	0.0	350	08-Sep
PX03	85	252	16.00	35.2	18.8	0.0	0.00	78.9	12.0	0.0	0.0	350	09-Sep
PX03	85	253	13.80	33.6	21.6	0.0	0.00	83.2	12.5	0.0	0.0	350	10-Sep
PX03	85	254	24.10	32.3	17.3	0.0	0.00	189.4	13.3	0.0	0.0	350	11-Sep
PX03	85	255	25.10	34.5	13.1	0.0	0.00	54.0	6.5	0.0	0.0	350	12-Sep
PX03	85	256	24.80	36.4	14.6	0.0	0.00	77.7	9.8	0.0	0.0	350	13-Sep
PX03	85	257	22.40	45.9	18.8	0.0	0.00	73.5	15.1	0.0	0.0	350	14-Sep
PX03	85	258	17.00	38.6	24.4	0.0	0.00	107.0	16.9	0.0	0.0	350	15-Sep
PX03	85	259	16.50	39.3	22.1	0.0	0.00	91.6	13.1	0.0	0.0	350	16-Sep
PX03	85	260	24.10	39.4	21.7	0.0	0.00	150.9	13.1	0.0	0.0	350	17-Sep
PX03	85	261	11.90	27.2	16.5	17.0	0.00	145.6	15.4	0.0	0.0	350	18-Sep
PX03	85	262	23.60	30.0	15.7	1.0	0.00	99.1	14.4	0.0	0.0	350	19-Sep
PX03	85	263	23.30	29.2	15.2	0.0	0.00	57.6	13.3	0.0	0.0	350	20-Sep
PX03	85	264	23.60	32.1	15.7	0.0	0.00	48.5	13.5	0.0	0.0	350	21-Sep
PX03	85	265	23.50	33.4	17.2	0.0	0.00	101.0	13.7	0.0	0.0	350	22-Sep
PX03	85	266	19.50	34.4	18.0	0.0	0.00	75.0	13.5	0.0	0.0	350	23-Sep
PX03	85	267	22.90	36.6	17.1	0.0	0.00	72.3	12.4	0.0	0.0	350	24-Sep
PX03	85	268	21.20	36.0	18.0	0.0	0.00	89.7	13.2	0.0	0.0	350	25-Sep
PX03	85	269	21.80	37.2	18.8	5.0	0.00	108.8	13.6	0.0	0.0	350	26-Sep
PX03	85	270	18.50	32.9	20.0	1.0	0.00	169.8	15.4	0.0	0.0	350	27-Sep
PX03	85	271	15.00	29.4	20.3	0.0	0.00	170.0	15.4	0.0	0.0	350	28-Sep
PX03	85	272	21.90	31.5	16.5	0.0	0.00	73.8	14.4	0.0	0.0	350	29-Sep
PX03	85	273	16.90	32.4	18.6	0.0	0.00	60.2	14.0	0.0	0.0	350	30-Sep
PX03	85	274	20.90	33.6	15.9	0.0	0.00	60.5	11.9	0.0	0.0	350	01-Oct
PX03	85	275	20.80	33.6	18.5	0.0	0.00	76.1	12.9	0.0	0.0	350	02-Oct

FILENAME: PX140407,W85   WEATHER DATA FOR CO2=AMBIENT, IRRIGATION=WET, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX14	33.40	112.00	2.30	0	1	1	0	1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX14	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX14	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX14	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX14	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX14	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX14	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX14	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	350	11-Apr
PX14	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	350	12-Apr
PX14	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	350	13-Apr
PX14	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	350	14-Apr
PX14	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	350	15-Apr
PX14	85 106	23.42	39.0	17.6	0.0	0.00	164.2	-0.0	0.0	0.0	350	16-Apr
PX14	85 107	24.54	36.2	21.6	0.0	0.00	276.5	1.1	0.0	0.0	350	17-Apr
PX14	85 108	25.31	25.7	12.8	0.0	0.00	250.6	1.7	0.0	0.0	350	18-Apr
PX14	85 109	28.01	29.6	10.7	0.0	0.00	112.3	4.5	0.0	0.0	350	19-Apr
PX14	85 110	21.55	29.8	12.8	0.0	0.00	241.9	3.0	0.0	0.0	350	20-Apr
PX14	85 111	12.79	24.7	15.6	0.0	0.00	181.4	2.1	0.0	0.0	350	21-Apr
PX14	85 112	27.99	27.8	11.3	0.0	0.00	120.9	2.9	0.0	0.0	350	22-Apr
PX14	85 113	29.60	31.9	15.5	0.0	0.00	78.8	3.4	0.0	0.0	350	23-Apr
PX14	85 114	29.00	35.3	14.9	0.0	0.00	105.4	1.9	0.0	0.0	350	24-Apr
PX14	85 115	29.60	30.8	17.7	0.0	0.00	228.7	0.2	0.0	0.0	350	25-Apr
PX14	85 116	22.60	21.2	12.3	0.0	0.00	204.4	-0.2	0.0	0.0	350	26-Apr
PX14	85 117	12.50	21.9	10.9	0.0	0.00	128.8	7.5	0.0	0.0	350	27-Apr
PX14	85 118	21.50	22.2	12.0	3.0	0.00	86.8	12.5	0.0	0.0	350	28-Apr
PX14	85 119	29.20	30.0	11.2	0.0	0.00	87.8	10.3	0.0	0.0	350	29-Apr
PX14	85 120	27.80	37.2	16.6	0.0	0.00	88.5	9.2	0.0	0.0	350	30-Apr
PX14	85 121	27.80	39.3	20.4	0.0	0.00	141.0	7.7	0.0	0.0	350	01-May
PX14	85 122	27.30	38.7	22.2	0.0	0.00	115.7	8.8	0.0	0.0	350	02-May
PX14	85 123	28.80	39.5	23.5	23.4	0.00	123.3	6.7	0.0	0.0	350	03-May
PX14	85 124	30.50	38.0	20.5	0.0	0.00	148.3	3.6	0.0	0.0	350	04-May
PX14	85 125	25.10	36.3	13.1	0.0	0.00	118.0	1.3	0.0	0.0	350	05-May
PX14	85 126	30.60	36.5	17.7	0.0	0.00	118.9	1.1	0.0	0.0	350	06-May
PX14	85 127	22.90	36.3	17.6	0.0	0.00	59.5	0.9	0.0	0.0	350	07-May
PX14	85 128	28.00	39.4	17.8	0.0	0.00	75.3	2.9	0.0	0.0	350	08-May
PX14	85 129	19.70	39.3	22.0	0.0	0.00	178.3	5.3	0.0	0.0	350	09-May
PX14	85 130	31.70	28.9	19.3	0.0	0.00	236.4	3.6	0.0	0.0	350	10-May
PX14	85 131	30.90	30.7	14.3	0.0	0.00	100.8	2.7	0.0	0.0	350	11-May
PX14	85 132	31.10	32.0	14.9	0.0	0.00	89.9	3.4	0.0	.0.0	350	12-May
PX14	85 133	31.40	35.1	15.6	0.0	0.00	73.5	3.0	0.0	0.0	350	13-May
PX14	85 134	31.80	36.4	16.4	0.0	0.00	63.6	-4.1	0.0	0.0	350	14-May
PX14	85 135	27.40	39.2	17.5	0.0	0.00	133.5	-0.7	0.0	0.0	350	15-May
PX14	85 136	20.10	36.8	25.1	0.0	0.00	145.7	4.3	0.0	0.0	350	16-May
PX14	85 137	31.00	39.2	21.5	0.0	0.00	96.6	7.5	0.0	0.0	350	17-May
PX14	85 138	31.40	40.0	22.2	0.0	0.00	147.2	6.4	0.0	0.0	350	18-May
PX14	85 139	32.30	37.4	20.6	0.0	0.00	179.5	1.5	0.0	0.0	350	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	85	140	31.80	37.6	20.4	0.0	0.00	179.7	3.4	0.0	0.0	350	20-May
PX14	85	141	31.50	36.7	20.4	0.0	0.00	133.5	6.1	0.0	0.0	350	21-May
PX14	85	142	30.50	39.2	19.3	0.0	0.00	110.3	6.5	0.0	0.0	350	22-May
PX14	85	143	22.70	38.8	20.5	0.0	0.00	122.7	7.1	0.0	0.0	350	23-May
PX14	85	144	28.90	41.0	21.6	0.0	0.00	156.4	7.5	0.0	0.0	350	24-May
PX14	85	145	32.10	39.8	22.0	0.0	0.00	172.2	6.5	0.0	0.0	350	25-May
PX14	85	146	32.40	39.3	19.9	0.0	0.00	179.1	4.8	0.0	0.0	350	26-May
PX14	85	147	31.60	39.1	21.8	0.0	0.00	142.1	4.1	0.0	0.0	350	27-May
PX14	85	148	32.40	40.6	20.2	0.0	0.00	109.7	7.0	0.0	0.0	350	28-May
PX14	85	149	26.90	40.0	23.7	0.0	0.00	89.5	9.7	0.0	0.0	350	29-May
PX14	85	150	20.00	36.4	24.5	0.0	0.00	88.1	12.0	0.0	0.0	350	30-May
PX14	85	151	32.60	36.4	21.1	0.0	0.00	182.4	8.5	0.0	0.0	350	31-May
PX14	85	152	31.70	34.9	18.8	0.0	0.00	100.8	5.4	0.0	0.0	350	01-Jun
PX14	85	153	32.00	36.9	19.2	0.0	0.00	137.8	4.5	0.0	0.0	350	02-Jun
PX14	85	154	31.30	33.9	20.0	0.0	0.00	149.8	5.9	0.0	0.0	350	03-Jun
PX14	85	155	31.70	36.3	17.2	0.0	0.00	118.9	6.2	0.0	0.0	350	04-Jun
PX14	85	156	31.30	39.2	21.0	0.0	0.00	121.9	9.0	0.0	0.0	350	05-Jun
PX14	85	157	30.90	43.8	22.5	0.0	0.00	96.6	9.5	0.0	0.0	350	06-Jun
PX14	85	158	25.90	47.3	25.2	0.0	0.00	86.8	10.3	0.0	0.0	350	07-Jun
PX14	85	159	31.50	45.1	25.8	0.0	0.00	195.8	10.9	0.0	0.0	350	08-Jun
PX14	85	160	31.30	45.4	25.2	0.0	0.00	179.0	9.8	0.0	0.0	350	09-Jun
PX14	85	161	32.10	43.6	25.6	0.0	0.00	224.1	10.4	0.0	0.0	350	10-Jun
PX14	85	162	31.30	41.6	25.6	0.0	0.00	199.9	11.4	0.0	0.0	350	11-Jun
PX14	85	163	31.10	44.0	26.3	0.0	0.00	222.0	11.8	0.0	0.0	350	12-Jun
PX14	85	164	31.50	43.8	26.2	0.0	0.00	201.4	8.1	0.0	0.0	350	13-Jun
PX14	85	165	30.40	42.0	24.8	0.0	0.00	167.3	9.0	0.0	0.0	350	14-Jun
PX14	85	166	32.00	43.2	23.0	0.0	0.00	90.5	8.6	0.0	0.0	350	15-Jun
PX14	85	167	32.00	44.2	24.1	0.0	0.00	87.3	8.6	0.0	0.0	350	16-Jun
PX14	85	168	31.70	45.1	24.1	0.0	0.00	85.1	7.8	0.0	0.0	350	17-Jun
PX14	85	169	30.40	45.8	24.6	0.0	0.00	116.3	8.1	0.0	0.0	350	18-Jun
PX14	85	170	27.10	43.9	26.5	0.0	0.00	91.6	11.0	0.0	0.0	350	19-Jun
PX14	85	171	30.10	42.6	28.4	0.0	0.00	118.6	13.9	0.0	0.0	350	20-Jun
PX14	85	172	31.10	38.8	25.5	0.0	0.00	100.7	10.9	0.0	0.0	350	21-Jun
PX14	85	173	27.70	39.6	24.4	0.0	0.00	136.2	12.1	0.0	0.0	350	22-Jun
PX14	85	174	21.10	40.2	26.0	0.0	0.00	71.4	12.8	0.0	0.0	350	23-Jun
PX14	85	175	12.90	36.7	27.8	0.0	0.00	126.3	12.1	0.0	0.0	350	24-Jun
PX14	85	176	31.20	36.9	22.1	0.0	0.00	97.5	9.5	0.0	0.0	350	25-Jun
PX14	85	177	32.60	39.6	23.3	0.0	0.00	103.2	5.9	0.0	0.0	350	26-Jun
PX14	85	178	32.10	43.5	19.6	0.0	0.00	62.1	6.7	0.0	0.0	350	27-Jun
PX14	85	179	31.80	40.4	22.6	0.0	0.00	91.1	11.1	0.0	0.0	350	28-Jun
PX14	85	180	28.80	40.5	23.7	0.0	0.00	118.9	12.7	0.0	0.0	350	29-Jun
PX14	85	181	30.70	41.2	23.4	0.0	0.00	105.3	15.4	0.0	0.0	350	30-Jun
PX14	85	182	30.50	43.6	23.8	0.0	0.00	141.0	10.1	0.0	0.0	350	01-Jul
PX14	85	183	31.60	43.9	25.6	0.0	0.00	146.3	11.2	0.0	0.0	350	02-Jul
PX14	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	350	03-Jul
PX14	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	350	04-Jul
PX14	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	350	05-Jul
PX14	85	187	29.40	38.9	27.3	0.0	0.00	125.6	19.7	0.0	0.0	350	06-Jul
PX14	85	188	28.20	39.7	29.0	0.0	0.00	136.1	18.3	0.0	0.0	350	07-Jul
PX14	85	189	26.30	42.1	29.1	0.0	0.00	142.8	18.0	0.0	0.0	350	08-Jul
PX14	85	190	29.40	39.1	28.4	0.0	0.00	146.2	18.4	0.0	0.0	350	09-Jul
PX14	85	191	29.70	40.3	25.7	0.0	0.00	133.1	20.5	0.0	0.0	350	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	85	192	29.30	41.3	28.6	0.0	0.00	107.4	18.9	0.0	0.0	350	11-Jul
PX14	85	193	28.40	42.8	30.3	0.0	0.00	110.2	16.8	0.0	0.0	350	12-Jul
PX14	85	194	22.80	41.9	28.6	0.0	0.00	123.7	17.3	0.0	0.0	350	13-Jul
PX14	85	195	27.70	39.4	30.0	0.0	0.00	147.6	19.3	0.0	0.0	350	14-Jul
PX14	85	196	29.20	38.5	28.4	23.0	0.00	185.1	20.3	0.0	0.0	350	15-Jul
PX14	85	197	26.20	35.0	23.0	0.0	0.00	97.8	23.6	0.0	0.0	350	16-Jul
PX14	85	198	30.30	36.5	26.7	0.0	0.00	168.8	22.3	0.0	0.0	350	17-Jul
PX14	85	199	18.30	31.0	23.3	5.0	0.00	110.3	22.9	0.0	0.0	350	18-Jul
PX14	85	200	19.20	33.4	25.1	0.0	0.00	129.1	22.3	0.0	0.0	350	19-Jul
PX14	85	201	28.80	36.6	26.4	0.0	0.00	91.9	22.2	0.0	0.0	350	20-Jul
PX14	85	202	30.80	36.7	26.1	0.0	0.00	127.3	21.5	0.0	0.0	350	21-Jul
PX14	85	203	30.80	37.3	27.7	0.0	0.00	133.5	19.4	0.0	0.0	350	22-Jul
PX14	85	204	31.20	37.6	25.8	0.0	0.00	107.5	18.2	0.0	0.0	350	23-Jul
PX14	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	350	24-Jul
PX14	85	206	30.80	38.5	25.2	0.0	0.00	135.7	13.1	0.0	0.0	350	25-Jul
PX14	85	207	30.60	37.6	22.9	0.0	0.00	125.5	16.9	0.0	0.0	350	26-Jul
PX14	85	208	22.00	37.4	29.8	0.0	0.00	235.4	17.6	0.0	0.0	350	27-Jul
PX14	85	209	25.60	35.3	27.8	0.0	0.00	171.5	20.5	0.0	0.0	350	28-Jul
PX14	85	210	25.70	36.8	27.9	0.0	0.00	123.4	21.1	0.0	0.0	350	29-Jul
PX14	85	211	30.00	39.2	28.0	0.0	0.00	114.3	20.8	0.0	0.0	350	30-Jul
PX14	85	212	29.90	40.7	27.0	0.0	0.00	117.6	16.7	0.0	0.0	350	31-Jul
PX14	85	213	18.60	36.2	28.0	0.0	0.00	167.2	20.2	0.0	0.0	350	01-Aug
PX14	85	214	24.80	35.7	26.6	0.0	0.00	145.1	21.8	0.0	0.0	350	02-Aug
PX14	85	215	28.50	35.8	26.4	0.0	0.00	86.6	22.3	0.0	0.0	350	03-Aug
PX14	85	216	29.60	36.8	27.5	0.0	0.00	116.4	20.0	0.0	0.0	350	04-Aug
PX14	85	217	28.50	37.6	25.2	0.0	0.00	108.4	16.2	0.0	0.0	350	05-Aug
PX14	85	218	28.80	37.7	24.4	0.0	0.00	110.5	18.7	0.0	0.0	350	06-Aug
PX14	85	219	26.50	37.7	28.6	0.0	0.00	139.5	20.4	0.0	0.0	350	07-Aug
PX14	85	220	28.50	37.9	26.7	0.0	0.00	110.9	20.7	0.0	0.0	350	08-Aug
PX14	85	221	29.50	36.4	25.1	0.0	0.00	121.6	18.8	0.0	0.0	350	09-Aug
PX14	85	222	29.00	36.4	24.7	0.0	0.00	160.3	18.1	0.0	0.0	350	10-Aug
PX14	85	223	26.80	37.0	27.8	0.0	0.00	197.5	20.7	0.0	0.0	350	11-Aug
PX14	85	224	29.40	35.6	24.3	0.0	0.00	168.4	16.2	0.0	0.0	350	12-Aug
PX14	85	225	29.40	37.4	22.8	0.0	0.00	178.5	14.6	0.0	0.0	350	13-Aug
PX14	85	226	30.10	38.6	20.7	0.0	0.00	176.8	11.0	0.0	0.0	350	14-Aug
PX14	85	227	29.10	38.9	19.3	0.0	0.00	174.9	10.4	0.0	0.0	350	15-Aug
PX14	85	228	28.50	38.2	21.2	0.0	0.00	189.7	13.6	0.0	0.0	350	16-Aug
PX14	85	229	19.30	36.3	23.7	0.0	0.00	191.4	16.3	0.0	0.0	350	17-Aug
PX14	85	230	27.20	37.7	25.2	0.0	0.00	210.5	18.7	0.0	0.0	350	18-Aug
PX14	85	231	27.40	38.1	26.6	0.0	0.00	228.7	19.6	0.0	0.0	350	19-Aug
PX14	85	232	20.20	33.5	23.1	21.0	0.00	112.9	22.6	0.0	0.0	350	20-Aug
PX14	85	233	27.30	36.6	24.8	0.0	0.00	65.3	22.9	0.0	0.0	350	21-Aug
PX14	85	234	26.90	40.6	24.8	0.0	0.00	61.9	23.6	0.0	0.0	350	22-Aug
PX14	85	235	27.80	39.3	23.8	0.0	0.00	75.1	20.3	0.0	0.0	350	23-Aug
PX14	85	236	24.10	40.3	25.8	0.0	0.00	128.9	18.5	0.0	0.0	350	24-Aug
PX14	85	237	22.20	40.5	29.0	0.0	0.00	162.1	19.5	0.0	0.0	350	25-Aug
PX14	85	238	25.00	38.6	28.4	0.0	0.00	201.6	20.1	0.0	0.0	350	26-Aug
PX14	85	239	24.80	40.8	28.3	0.0	0.00	196.6	21.4	0.0	0.0	350	27-Aug
PX14	85	240	26.20	42.0	26.1	0.0	0.00	175.3	20.2	0.0	0.0	350	28-Aug
PX14	85	241	25.80	42.9	29.0	0.0	0.00	173.0	19.7	0.0	0.0	350	29-Aug
PX14	85	242	26.60	38.9	27.1	0.0	0.00	222.5	20.3	0.0	0.0	350	30-Aug
PX14	85	243	26.10	37.4	27.0	6.0	0.00	227.0	21.0	0.0	0.0	350	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	85	244	23.40	34.8	24.6	0.0	0.00	96.8	21.9	0.0	0.0	350	01-Sep
PX14	85	245	25.20	37.1	25.6	0.0	0.00	114.9	20.4	0.0	0.0	350	02-Sep
PX14	85	246	23.60	37.9	25.6	0.0	0.00	160.4	16.3	0.0	0.0	350	03-Sep
PX14	85	247	21.60	34.4	22.0	3.0	0.00	176.5	13.9	0.0	0.0	350	04-Sep
PX14	85	248	23.40	32.7	19.3	0.0	0.00	98.3	12.8	0.0	0.0	350	05-Sep
PX14	85	249	19.40	32.0	20.2	0.0	0.00	132.7	15.2	0.0	0.0	350	06-Sep
PX14	85	250	26.10	32.7	19.9	0.0	0.00	101.3	14.3	0.0	0.0	350	07-Sep
PX14	85	251	24.90	34.1	19.7	0.0	0.00	115.3	12.7	0.0	0.0	350	08-Sep
PX14	85	252	16.00	32.1	21.1	0.0	0.00	78.9	11.6	0.0	0.0	350	09-Sep
PX14	85	253	13.80	34.1	22.4	0.0	0.00	83.2	12.6	0.0	0.0	350	10-Sep
PX14	85	254	24.10	31.7	17.4	0.0	0.00	189.4	13.5	0.0	0.0	350	11-Sep
PX14	85	255	25.10	33.9	12.9	0.0	0.00	54.0	6.7	0.0	0.0	350	12-Sep
PX14	85	256	24.80	34.7	14.7	0.0	0.00	77.7	10.4	0.0	0.0	350	13-Sep
PX14	85	257	22.40	45.9	18.8	0.0	0.00	73.5	15.0	0.0	0.0	350	14-Sep
PX14	85	258	17.00	38.1	24.4	0.0	0.00	107.0	16.9	0.0	0.0	350	15-Sep
PX14	85	259	16.50	38.1	21.3	0.0	0.00	91.6	14.7	0.0	0.0	350	16-Sep
PX14	85	260	24.10	37.9	20.7	0.0	0.00	150.9	14.0	0.0	0.0	350	17-Sep
PX14	85	261	11.90	27.3	16.8	17.0	0.00	145.6	18.5	0.0	0.0	350	18-Sep
PX14	85	262	23.60	29.5	15.9	1.0	0.00	99.1	13.5	0.0	0.0	350	19-Sep
PX14	85	263	23.30	29.0	15.2	0.0	0.00	57.6	13.4	0.0	0.0	350	20-Sep
PX14	85	264	23.60	31.7	15.6	0.0	0.00	48.5	13.5	0.0	0.0	350	21-Sep
PX14	85	265	23.50	33.2	17.5	0.0	0.00	101.0	13.7	0.0	0.0	350	22-Sep
PX14	85	266	19.50	34.3	18.7	0.0	0.00	75.0	13.3	0.0	0.0	350	23-Sep
PX14	85	267	22.90	35.8	18.0	0.0	0.00	72.3	12.2	0.0	0.0	350	24-Sep
PX14	85	268	21.20	35.8	18.6	0.0	0.00	89.7	12.9	0.0	0.0	350	25-Sep
PX14	85	269	21.80	36.8	19.4	5.0	0.00	108.8	13.7	0.0	0.0	350	26-Sep
PX14	85	270	18.50	32.8	20.0	1.0	0.00	169.8	16.4	0.0	0.0	350	27-Sep
PX14	85	271	15.00	28.8	20.1	0.0	0.00	170.0	16.4	0.0	0.0	350	28-Sep
PX14	85	272	21.90	31.1	16.7	0.0	0.00	73.8	15.5	0.0	0.0	350	29-Sep
PX14	85	273	16.90	31.8	18.5	0.0	0.00	60.2	14.1	0.0	0.0	350	30-Sep
PX14	85	274	20.90	33.6	15.8	0.0	0.00	60.5	12.2	0.0	0.0	350	01-Oct
PX14	85	275	20.80	32.9	19.4	0.0	0.00	76.1	13.6	0.0	0.0	350	02-Oct

FILENAME: PX050407,W85   WEATHER DATA FOR CO2=500, IRRIGATION=DRY, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC						CO2YR	WINDYR
PX05	33.40	112.00	2.30	0 1 1 0 1					500	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX05	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX05	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX05	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX05	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX05	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX05	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX05	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	500	11-Apr
PX05	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	500	12-Apr
PX05	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	500	13-Apr
PX05	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	500	14-Apr
PX05	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	500	15-Apr
PX05	85 106	23.42	38.7	18.1	0.0	0.00	164.2	-0.0	0.0	0.0	500	16-Apr
PX05	85 107	24.54	36.6	22.2	0.0	0.00	276.5	1.1	0.0	0.0	500	17-Apr
PX05	85 108	25.31	26.0	13.3	0.0	0.00	250.6	1.7	0.0	0.0	500	18-Apr
PX05	85 109	28.01	29.7	11.2	0.0	0.00	112.3	4.5	0.0	0.0	500	19-Apr
PX05	85 110	21.55	29.9	13.3	0.0	0.00	241.9	3.0	0.0	0.0	500	20-Apr
PX05	85 111	12.79	25.0	16.2	0.0	0.00	181.4	2.1	0.0	0.0	500	21-Apr
PX05	85 112	27.99	28.0	11.8	0.0	0.00	120.9	2.9	0.0	0.0	500	22-Apr
PX05	85 113	29.60	32.9	15.3	0.0	0.00	78.8	3.6	0.0	0.0	500	23-Apr
PX05	85 114	29.00	35.5	14.0	0.0	0.00	105.4	2.3	0.0	0.0	500	24-Apr
PX05	85 115	29.60	31.1	17.6	0.0	0.00	228.7	1.1	0.0	0.0	500	25-Apr
PX05	85 116	22.60	21.6	11.9	0.0	0.00	204.4	0.6	0.0	0.0	500	26-Apr
PX05	85 117	12.50	23.8	10.8	0.0	0.00	128.8	7.4	0.0	0.0	500	27-Apr
PX05	85 118	21.50	22.6	12.2	3.0	0.00	86.8	9.2	0.0	0.0	500	28-Apr
PX05	85 119	29.20	30.3	10.9	0.0	0.00	87.8	8.6	0.0	0.0	500	29-Apr
PX05	85 120	27.80	37.5	16.3	0.0	0.00	88.5	10.4	0.0	0.0	500	30-Apr
PX05	85 121	27.80	39.6	20.3	0.0	0.00	141.0	8.2	0.0	0.0	500	01-May
PX05	85 122	27.30	39.3	22.0	0.0	0.00	115.7	9.2	0.0	0.0	500	02-May
PX05	85 123	28.80	40.0	23.4	23.4	0.00	123.3	7.1	0.0	0.0	500	03-May
PX05	85 124	30.50	38.7	20.5	0.0	0.00	148.3	3.8	0.0	0.0	500	04-May
PX05	85 125	25.10	36.8	18.1	0.0	0.00	118.0	1.3	0.0	0.0	500	05-May
PX05	85 126	30.60	37.1	17.4	0.0	0.00	118.9	1.3	0.0	0.0	500	06-May
PX05	85 127	22.90	37.0	16.7	0.0	0.00	59.5	0.9	0.0	0.0	500	07-May
PX05	85 128	28.00	39.9	17.3	0.0	0.00	75.3	2.9	0.0	0.0	500	08-May
PX05	85 129	19.70	39.8	21.7	0.0	0.00	178.3	5.3	0.0	0.0	500	09-May
PX05	85 130	31.70	30.1	19.5	0.0	0.00	236.4	3.8	0.0	0.0	500	10-May
PX05	85 131	30.90	31.4	14.2	0.0	0.00	100.8	3.0	0.0	0.0	500	11-May
PX05	85 132	31.10	32.8	14.8	0.0	0.00	89.9	3.8	0.0	0.0	500	12-May
PX05	85 133	31.40	35.6	15.3	0.0	0.00	73.5	2.5	0.0	0.0	500	13-May
PX05	85 134	31.80	36.5	15.5	0.0	0.00	63.6	-3.5	0.0	0.0	500	14-May
PX05	85 135	27.40	39.4	17.1	0.0	0.00	133.5	-0.0	0.0	0.0	500	15-May
PX05	85 136	20.10	37.2	24.9	0.0	0.00	145.7	4.8	0.0	0.0	500	16-May
PX05	85 137	31.00	39.7	21.3	0.0	0.00	96.6	8.1	0.0	0.0	500	17-May
PX05	85 138	31.40	40.4	21.8	0.0	0.00	147.2	6.8	0.0	0.0	500	18-May
PX05	85 139	32.30	37.9	20.3	0.0	0.00	179.5	2.3	0.0	0.0	500	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	85	140	31.80	38.3	20.1	0.0	0.00	179.7	4.1	0.0	0.0	500	20-May
PX05	85	141	31.50	37.6	20.4	0.0	0.00	133.5	6.5	0.0	0.0	500	21-May
PX05	85	142	30.50	40.1	18.8	0.0	0.00	110.3	6.8	0.0	0.0	500	22-May
PX05	85	143	22.70	39.5	20.3	0.0	0.00	122.7	7.0	0.0	0.0	500	23-May
PX05	85	144	28.90	41.5	21.0	0.0	0.00	156.4	7.8	0.0	0.0	500	24-May
PX05	85	145	32.10	40.8	21.9	0.0	0.00	172.2	6.5	0.0	0.0	500	25-May
PX05	85	146	32.40	40.0	19.5	0.0	0.00	179.1	5.0	0.0	0.0	500	26-May
PX05	85	147	31.60	40.0	21.6	0.0	0.00	142.1	3.8	0.0	0.0	500	27-May
PX05	85	148	32.40	40.8	20.0	0.0	0.00	109.7	3.6	0.0	0.0	500	28-May
PX05	85	149	26.90	40.0	23.7	0.0	0.00	89.5	7.4	0.0	0.0	500	29-May
PX05	85	150	20.00	36.4	24.5	0.0	0.00	88.1	9.8	0.0	0.0	500	30-May
PX05	85	151	32.60	36.9	20.6	0.0	0.00	182.4	8.6	0.0	0.0	500	31-May
PX05	85	152	31.70	35.2	18.7	0.0	0.00	100.8	5.4	0.0	0.0	500	01-Jun
PX05	85	153	32.00	37.5	18.8	0.0	0.00	137.8	4.5	0.0	0.0	500	02-Jun
PX05	85	154	31.30	34.5	19.7	0.0	0.00	149.8	5.9	0.0	0.0	500	03-Jun
PX05	85	155	31.70	36.9	16.8	0.0	0.00	118.9	6.4	0.0	0.0	500	04-Jun
PX05	85	156	31.30	39.7	20.7	0.0	0.00	121.9	8.9	0.0	0.0	500	05-Jun
PX05	85	157	30.90	44.5	22.1	0.0	0.00	96.6	9.4	0.0	0.0	500	06-Jun
PX05	85	158	25.90	47.7	24.6	0.0	0.00	86.8	9.9	0.0	0.0	500	07-Jun
PX05	85	159	31.50	46.8	25.5	0.0	0.00	195.8	10.4	0.0	0.0	500	08-Jun
PX05	85	160	31.30	46.8	24.2	0.0	0.00	179.0	9.0	0.0	0.0	500	09-Jun
PX05	85	161	32.10	45.3	25.3	0.0	0.00	224.1	9.8	0.0	0.0	500	10-Jun
PX05	85	162	31.30	42.6	25.0	0.0	0.00	199.9	10.9	0.0	0.0	500	11-Jun
PX05	85	163	31.10	26.1	25.6	0.0	0.00	222.0	11.4	0.0	0.0	500	12-Jun
PX05	85	164	31.50	45.0	26.0	0.0	0.00	201.4	7.5	0.0	0.0	500	13-Jun
PX05	85	165	30.40	43.1	24.3	0.0	0.00	167.3	8.6	0.0	0.0	500	14-Jun
PX05	85	166	32.00	44.3	22.5	0.0	0.00	90.5	8.0	0.0	0.0	500	15-Jun
PX05	85	167	32.00	45.5	23.7	0.0	0.00	87.3	8.0	0.0	0.0	500	16-Jun
PX05	85	168	31.70	46.6	23.8	0.0	0.00	85.1	7.3	0.0	0.0	500	17-Jun
PX05	85	169	30.40	47.1	24.2	0.0	0.00	116.3	7.7	0.0	0.0	500	18-Jun
PX05	85	170	27.10	44.7	26.5	0.0	0.00	91.6	10.6	0.0	0.0	500	19-Jun
PX05	85	171	30.10	43.5	28.2	0.0	0.00	118.6	13.2	0.0	0.0	500	20-Jun
PX05	85	172	31.10	39.8	25.4	0.0	0.00	100.7	9.8	0.0	0.0	500	21-Jun
PX05	85	173	27.70	40.6	24.2	0.0	0.00	136.2	11.0	0.0	0.0	500	22-Jun
PX05	85	174	21.10	40.8	25.7	0.0	0.00	71.4	11.4	0.0	0.0	500	23-Jun
PX05	85	175	12.90	37.4	27.5	0.0	0.00	126.3	11.2	0.0	0.0	500	24-Jun
PX05	85	176	31.20	38.5	22.4	0.0	0.00	97.5	8.5	0.0	0.0	500	25-Jun
PX05	85	177	32.60	41.1	23.1	0.0	0.00	103.2	4.6	0.0	0.0	500	26-Jun
PX05	85	178	32.10	44.7	19.6	0.0	0.00	62.1	3.8	0.0	0.0	500	27-Jun
PX05	85	179	31.80	42.2	22.6	0.0	0.00	91.1	8.1	0.0	0.0	500	28-Jun
PX05	85	180	28.80	42.2	23.6	0.0	0.00	118.9	9.0	0.0	0.0	500	29-Jun
PX05	85	181	30.70	43.2	23.1	0.0	0.00	105.3	9.8	0.0	0.0	500	30-Jun
PX05	85	182	30.50	45.1	23.5	0.0	0.00	141.0	9.2	0.0	0.0	500	01-Jul
PX05	85	183	31.60	46.1	25.6	0.0	0.00	146.3	7.5	0.0	0.0	500	02-Jul
PX05	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	500	03-Jul
PX05	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	500	04-Jul
PX05	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	500	05-Jul
PX05	85	187	29.40	41.2	27.6	0.0	0.00	125.6	18.7	0.0	0.0	500	06-Jul
PX05	85	188	28.20	42.4	29.5	0.0	0.00	136.1	17.2	0.0	0.0	500	07-Jul
PX05	85	189	26.30	44.9	30.3	0.0	0.00	142.8	14.9	0.0	0.0	500	08-Jul
PX05	85	190	29.40	42.1	31.5	0.0	0.00	146.2	18.0	0.0	0.0	500	09-Jul
PX05	85	191	29.70	43.2	28.8	0.0	0.00	133.1	17.4	0.0	0.0	500	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	85	192	29.30	45.2	28.5	0.0	0.00	107.4	17.4	0.0	0.0	500	11-Jul
PX05	85	193	28.40	39.1	28.4	0.0	0.00	110.2	18.5	0.0	0.0	500	12-Jul
PX05	85	194	22.80	41.1	27.7	0.0	0.00	123.7	17.7	0.0	0.0	500	13-Jul
PX05	85	195	27.70	41.4	30.3	0.0	0.00	147.6	18.6	0.0	0.0	500	14-Jul
PX05	85	196	29.20	40.5	28.3	23.0	0.00	185.1	19.7	0.0	0.0	500	15-Jul
PX05	85	197	26.20	35.7	23.3	0.0	0.00	97.8	23.6	0.0	0.0	500	16-Jul
PX05	85	198	30.30	38.4	26.9	0.0	0.00	168.8	21.9	0.0	0.0	500	17-Jul
PX05	85	199	18.30	31.6	23.0	5.0	0.00	110.3	22.8	0.0	0.0	500	18-Jul
PX05	85	200	19.20	34.3	25.2	0.0	0.00	129.1	22.0	0.0	0.0	500	19-Jul
PX05	85	201	28.80	36.7	26.7	0.0	0.00	91.9	22.1	0.0	0.0	500	20-Jul
PX05	85	202	30.80	38.1	26.5	0.0	0.00	127.3	22.1	0.0	0.0	500	21-Jul
PX05	85	203	30.80	38.5	25.6	0.0	0.00	133.5	20.1	0.0	0.0	500	22-Jul
PX05	85	204	31.20	38.1	23.2	0.0	0.00	107.5	19.2	0.0	0.0	500	23-Jul
PX05	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	500	24-Jul
PX05	85	206	30.80	42.2	25.6	0.0	0.00	135.7	11.0	0.0	0.0	500	25-Jul
PX05	85	207	30.60	40.3	23.7	0.0	0.00	125.5	15.4	0.0	0.0	500	26-Jul
PX05	85	208	22.00	38.1	30.2	0.0	0.00	235.4	16.7	0.0	0.0	500	27-Jul
PX05	85	209	25.60	36.6	28.2	0.0	0.00	171.5	19.8	0.0	0.0	500	28-Jul
PX05	85	210	25.70	38.8	28.3	0.0	0.00	123.4	20.6	0.0	0.0	500	29-Jul
PX05	85	211	30.00	41.3	28.2	0.0	0.00	114.3	19.9	0.0	0.0	500	30-Jul
PX05	85	212	29.90	43.2	27.9	0.0	0.00	117.6	15.3	0.0	0.0	500	31-Jul
PX05	85	213	18.60	38.0	28.0	0.0	0.00	167.2	19.4	0.0	0.0	500	01-Aug
PX05	85	214	24.80	37.4	27.2	0.0	0.00	145.1	21.0	0.0	0.0	500	02-Aug
PX05	85	215	28.50	37.2	26.9	0.0	0.00	86.6	21.4	0.0	0.0	500	03-Aug
PX05	85	216	29.60	38.4	28.1	0.0	0.00	116.4	18.9	0.0	0.0	500	04-Aug
PX05	85	217	28.50	39.2	26.0	0.0	0.00	108.4	14.8	0.0	0.0	500	05-Aug
PX05	85	218	28.80	40.3	25.0	0.0	0.00	110.5	17.3	0.0	0.0	500	06-Aug
PX05	85	219	26.50	41.5	29.0	0.0	0.00	139.5	19.1	0.0	0.0	500	07-Aug
PX05	85	220	28.50	42.2	27.6	0.0	0.00	110.9	18.9	0.0	0.0	500	08-Aug
PX05	85	221	29.50	38.6	26.5	0.0	0.00	121.6	17.2	0.0	0.0	500	09-Aug
PX05	85	222	29.00	38.7	26.0	0.0	0.00	160.3	16.5	0.0	0.0	500	10-Aug
PX05	85	223	26.80	37.9	28.5	0.0	0.00	197.5	19.7	0.0	0.0	500	11-Aug
PX05	85	224	29.40	39.0	25.1	0.0	0.00	168.4	14.4	0.0	0.0	500	12-Aug
PX05	85	225	29.40	42.1	24.2	0.0	0.00	178.5	12.3	0.0	0.0	500	13-Aug
PX05	85	226	30.10	43.2	22.4	0.0	0.00	176.8	8.1	0.0	0.0	500	14-Aug
PX05	85	227	29.10	43.3	20.7	0.0	0.00	174.9	7.1	0.0	0.0	500	15-Aug
PX05	85	228	28.50	40.6	22.0	0.0	0.00	189.7	11.8	0.0	0.0	500	16-Aug
PX05	85	229	19.30	37.6	25.1	0.0	0.00	191.4	15.3	0.0	0.0	500	17-Aug
PX05	85	230	27.20	40.0	25.8	0.0	0.00	210.5	17.7	0.0	0.0	500	18-Aug
PX05	85	231	27.40	41.5	27.7	0.0	0.00	228.7	18.7	0.0	0.0	500	19-Aug
PX05	85	232	20.20	34.5	21.3	21.0	0.00	112.9	22.3	0.0	0.0	500	20-Aug
PX05	85	233	27.30	39.4	25.5	0.0	0.00	65.3	22.2	0.0	0.0	500	21-Aug
PX05	85	234	26.90	42.8	26.1	0.0	0.00	61.9	20.2	0.0	0.0	500	22-Aug
PX05	85	235	27.80	41.8	25.1	0.0	0.00	75.1	18.9	0.0	0.0	500	23-Aug
PX05	85	236	24.10	42.4	26.9	0.0	0.00	128.9	17.1	0.0	0.0	500	24-Aug
PX05	85	237	22.20	43.5	30.1	0.0	0.00	162.1	18.0	0.0	0.0	500	25-Aug
PX05	85	238	25.00	41.6	29.4	0.0	0.00	201.6	18.8	0.0	0.0	500	26-Aug
PX05	85	239	24.80	44.3	29.3	0.0	0.00	196.6	20.4	0.0	0.0	500	27-Aug
PX05	85	240	26.20	45.3	27.1	0.0	0.00	175.3	18.7	0.0	0.0	500	28-Aug
PX05	85	241	25.80	47.6	29.6	0.0	0.00	173.0	17.8	0.0	0.0	500	29-Aug
PX05	85	242	26.60	42.4	28.4	0.0	0.00	222.5	18.7	0.0	0.0	500	30-Aug
PX05	85	243	26.10	40.3	27.5	6.0	0.00	227.0	19.7	0.0	0.0	500	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	85	244	23.40	36.3	24.7	0.0	0.00	96.8	21.7	0.0	0.0	500	01-Sep
PX05	85	245	25.20	39.3	26.0	0.0	0.00	114.9	20.1	0.0	0.0	500	02-Sep
PX05	85	246	23.60	40.0	26.5	0.0	0.00	160.4	15.7	0.0	0.0	500	03-Sep
PX05	85	247	21.60	36.5	22.4	0.0	0.00	176.5	12.2	0.0	0.0	500	04-Sep
PX05	85	248	23.40	34.8	19.7	0.0	0.00	98.3	11.0	0.0	0.0	500	05-Sep
PX05	85	249	19.40	33.6	20.3	0.0	0.00	132.7	13.8	0.0	0.0	500	06-Sep
PX05	85	250	26.10	34.2	20.2	0.0	0.00	101.3	13.5	0.0	0.0	500	07-Sep
PX05	85	251	24.90	36.1	19.8	0.0	0.00	115.3	12.0	0.0	0.0	500	08-Sep
PX05	85	252	16.00	33.0	21.3	0.0	0.00	78.9	10.9	0.0	0.0	500	09-Sep
PX05	85	253	13.80	34.3	23.1	0.0	0.00	83.2	12.1	0.0	0.0	500	10-Sep
PX05	85	254	24.10	32.9	17.7	0.0	0.00	189.4	12.9	0.0	0.0	500	11-Sep
PX05	85	255	25.10	34.9	13.1	0.0	0.00	54.0	5.8	0.0	0.0	500	12-Sep
PX05	85	256	24.80	37.4	15.5	0.0	0.00	77.7	8.6	0.0	0.0	500	13-Sep
PX05	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.0	0.0	0.0	500	14-Sep
PX05	85	258	17.00	39.2	25.2	0.0	0.00	107.0	15.9	0.0	0.0	500	15-Sep
PX05	85	259	16.50	40.2	23.6	0.0	0.00	91.6	12.1	0.0	0.0	500	16-Sep
PX05	85	260	24.10	40.2	22.6	0.0	0.00	150.9	12.2	0.0	0.0	500	17-Sep
PX05	85	261	11.90	27.2	17.1	17.0	0.00	145.6	18.4	0.0	0.0	500	18-Sep
PX05	85	262	23.60	30.5	16.0	1.0	0.00	99.1	14.1	0.0	0.0	500	19-Sep
PX05	85	263	23.30	30.1	15.5	0.0	0.00	57.6	12.4	0.0	0.0	500	20-Sep
PX05	85	264	23.60	33.1	16.3	0.0	0.00	48.5	12.4	0.0	0.0	500	21-Sep
PX05	85	265	23.50	34.2	17.9	0.0	0.00	101.0	12.8	0.0	0.0	500	22-Sep
PX05	85	266	19.50	35.5	19.3	0.0	0.00	75.0	12.7	0.0	0.0	500	23-Sep
PX05	85	267	22.90	37.4	16.1	0.0	0.00	72.3	13.3	0.0	0.0	500	24-Sep
PX05	85	268	21.20	37.0	19.1	0.0	0.00	89.7	11.9	0.0	0.0	500	25-Sep
PX05	85	269	21.80	38.4	19.7	5.0	0.00	108.8	12.6	0.0	0.0	500	26-Sep
PX05	85	270	18.50	33.8	20.8	1.0	0.00	169.8	15.9	0.0	0.0	500	27-Sep
PX05	85	271	15.00	29.2	20.6	0.0	0.00	170.0	16.0	0.0	0.0	500	28-Sep
PX05	85	272	21.90	32.3	17.4	0.0	0.00	73.8	14.8	0.0	0.0	500	29-Sep
PX05	85	273	16.90	33.0	19.3	0.0	0.00	60.2	13.2	0.0	0.0	500	30-Sep
PX05	85	274	20.90	34.7	16.4	0.0	0.00	60.5	11.3	0.0	0.0	500	01-Oct
PX05	85	275	20.80	34.6	19.6	0.0	0.00	76.1	12.9	0.0	0.0	500	02-Oct

FILENAME: PX100407.W85   WEATHER DATA FOR CO2-500, IRRIGATION-DRY, REP-#2

                              options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG PARFAC   ↓   CO2YR WINDYR
PX10 33.40 112.00 2.30 0 1 1 0 1 500   0.0

	IYR		SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00
INSTW	JUL			XTMAX		XRAIN			WIND			STMAX			CO2	
PX10 85	94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX10 85	95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX10 85	96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX10 85	97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX10 85	98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX10 85	99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX10 85	100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX10 85	101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	500	11-Apr
PX10 85	102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	500	12-Apr
PX10 85	103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	500	13-Apr
PX10 85	104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	500	14-Apr
PX10 85	105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	500	15-Apr
PX10 85	106	23.42	38.7	18.1	0.0	0.00	164.2	-0.0	0.0	0.0	500	16-Apr
PX10 85	107	24.54	36.6	22.2	0.0	0.00	276.5	1.1	0.0	0.0	500	17-Apr
PX10 85	108	25.31	26.0	13.3	0.0	0.00	250.6	1.7	0.0	0.0	500	18-Apr
PX10 85	109	28.01	29.7	11.2	0.0	0.00	112.3	4.5	0.0	0.0	500	19-Apr
PX10 85	110	21.55	29.9	13.3	0.0	0.00	241.9	3.0	0.0	0.0	500	20-Apr
PX10 85	111	12.79	25.0	16.2	0.0	0.00	181.4	2.1	0.0	0.0	500	21-Apr
PX10 85	112	27.99	28.0	11.8	0.0	0.00	120.9	2.9	0.0	0.0	500	22-Apr
PX10 85	113	29.60	32.4	15.2	0.0	0.00	78.8	4.8	0.0	0.0	500	23-Apr
PX10 85	114	29.00	35.6	14.5	0.0	0.00	105.4	4.1	0.0	0.0	500	24-Apr
PX10 85	115	29.60	31.0	17.5	0.0	0.00	228.7	1.7	0.0	0.0	500	25-Apr
PX10 85	116	22.60	21.6	12.1	0.0	0.00	204.4	1.5	0.0	0.0	500	26-Apr
PX10 85	117	12.50	23.3	10.7	0.0	0.00	128.8	8.2	0.0	0.0	500	27-Apr
PX10 85	118	21.50	22.7	12.0	3.0	0.00	86.8	10.0	0.0	0.0	500	28-Apr
PX10 85	119	29.20	30.2	10.9	0.0	0.00	87.8	8.9	0.0	0.0	500	29-Apr
PX10 85	120	27.80	37.5	16.2	0.0	0.00	88.5	10.4	0.0	0.0	500	30-Apr
PX10 85	121	27.80	39.7	20.1	0.0	0.00	141.0	8.2	0.0	0.0	500	01-May
PX10 85	122	27.30	39.2	21.9	0.0	0.00	115.7	10.1	0.0	0.0	500	02-May
PX10 85	123	28.80	39.8	23.5	23.4	0.00	123.3	8.4	0.0	0.0	500	03-May
PX10 85	124	30.50	38.8	20.6	0.0	0.00	148.3	4.1	0.0	0.0	500	04-May
PX10 85	125	25.10	37.1	18.1	0.0	0.00	118.0	1.5	0.0	0.0	500	05-May
PX10 85	126	30.60	37.2	17.6	0.0	0.00	118.9	0.9	0.0	0.0	500	06-May
PX10 85	127	22.90	36.8	17.4	0.0	0.00	59.5	-0.0	0.0	0.0	500	07-May
PX10 85	128	28.00	39.7	17.6	0.0	0.00	75.3	2.1	0.0	0.0	500	08-May
PX10 85	129	19.70	39.7	22.1	0.0	0.00	178.3	4.6	0.0	0.0	500	09-May
PX10 85	130	31.70	29.4	19.6	0.0	0.00	236.4	3.2	0.0	0.0	500	10-May
PX10 85	131	30.90	31.5	14.3	0.0	0.00	100.8	2.5	0.0	0.0	500	11-May
PX10 85	132	31.10	32.3	14.8	0.0	0.00	89.9	3.2	0.0	0.0	500	12-May
PX10 85	133	31.40	35.2	15.6	0.0	0.00	73.5	1.9	0.0	0.0	500	13-May
PX10 85	134	31.80	36.5	16.0	0.0	0.00	63.6	-4.4	0.0	0.0	500	14-May
PX10 85	135	27.40	39.4	17.3	0.0	0.00	133.5	-0.9	0.0	0.0	500	15-May
PX10 85	136	20.10	37.2	25.1	0.0	0.00	145.7	4.3	0.0	0.0	500	16-May
PX10 85	137	31.00	39.3	21.4	0.0	0.00	96.6	7.4	0.0	0.0	500	17-May
PX10 85	138	31.40	40.5	22.0	0.0	0.00	147.2	6.2	0.0	0.0	500	18-May
PX10 85	139	32.30	37.6	20.5	0.0	0.00	179.5	1.5	0.0	0.0	500	19-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	85 140	31.80	38.1	20.3	0.0	0.00	179.7	3.4	0.0	0.0	500	20-May
PX10	85 141	31.50	37.0	20.5	0.0	0.00	133.5	5.9	0.0	0.0	500	21-May
PX10	85 142	30.50	39.8	19.1	0.0	0.00	110.3	6.2	0.0	0.0	500	22-May
PX10	85 143	22.70	39.4	20.5	0.0	0.00	122.7	6.5	0.0	0.0	500	23-May
PX10	85 144	28.90	40.9	21.3	0.0	0.00	156.4	7.1	0.0	0.0	500	24-May
PX10	85 145	32.10	40.4	21.8	0.0	0.00	172.2	5.4	0.0	0.0	500	25-May
PX10	85 146	32.40	39.9	19.8	0.0	0.00	179.1	3.9	0.0	0.0	500	26-May
PX10	85 147	31.60	40.0	21.7	0.0	0.00	142.1	3.0	0.0	0.0	500	27-May
PX10	85 148	32.40	40.7	19.9	0.0	0.00	109.7	2.5	0.0	0.0	500	28-May
PX10	85 149	26.90	40.0	23.7	0.0	0.00	89.5	9.7	0.0	0.0	500	29-May
PX10	85 150	20.00	36.4	24.5	0.0	0.00	88.1	12.0	0.0	0.0	500	30-May
PX10	85 151	32.60	36.6	20.8	0.0	0.00	182.4	7.7	0.0	0.0	500	31-May
PX10	85 152	31.70	35.5	18.6	0.0	0.00	100.8	4.1	0.0	0.0	500	01-Jun
PX10	85 153	32.00	37.7	18.9	0.0	0.00	137.8	3.0	0.0	0.0	500	02-Jun
PX10	85 154	31.30	34.7	19.7	0.0	0.00	149.8	7.4	0.0	0.0	500	03-Jun
PX10	85 155	31.70	37.0	16.8	0.0	0.00	118.9	5.0	0.0	0.0	500	04-Jun
PX10	85 156	31.30	39.6	20.8	0.0	0.00	121.9	8.0	0.0	0.0	500	05-Jun
PX10	85 157	30.90	44.4	22.0	0.0	0.00	96.6	8.2	0.0	0.0	500	06-Jun
PX10	85 158	25.90	47.4	24.8	0.0	0.00	86.8	8.8	0.0	0.0	500	07-Jun
PX10	85 159	31.50	46.2	25.6	0.0	0.00	195.8	9.4	0.0	0.0	500	08-Jun
PX10	85 160	31.30	46.5	24.6	0.0	0.00	179.0	8.4	0.0	0.0	500	09-Jun
PX10	85 161	32.10	44.6	25.4	0.0	0.00	224.1	9.7	0.0	0.0	500	10-Jun
PX10	85 162	31.30	42.1	25.2	0.0	0.00	199.9	11.1	0.0	0.0	500	11-Jun
PX10	85 163	31.10	45.1	26.1	0.0	0.00	222.0	10.9	0.0	0.0	500	12-Jun
PX10	85 164	31.50	44.5	26.1	0.0	0.00	201.4	9.2	0.0	0.0	500	13-Jun
PX10	85 165	30.40	42.2	24.5	0.0	0.00	167.3	10.5	0.0	0.0	500	14-Jun
PX10	85 166	32.00	44.1	22.7	0.0	0.00	90.5	9.3	0.0	0.0	500	15-Jun
PX10	85 167	32.00	45.3	23.9	0.0	0.00	87.3	7.8	0.0	0.0	500	16-Jun
PX10	85 168	31.70	46.1	23.9	0.0	0.00	85.1	7.1	0.0	0.0	500	17-Jun
PX10	85 169	30.40	46.8	24.1	0.0	0.00	116.3	7.8	0.0	0.0	500	18-Jun
PX10	85 170	27.10	44.7	26.5	0.0	0.00	91.6	10.4	0.0	0.0	500	19-Jun
PX10	85 171	30.10	43.2	28.0	0.0	0.00	118.6	13.6	0.0	0.0	500	20-Jun
PX10	85 172	31.10	39.3	25.2	0.0	0.00	100.7	10.3	0.0	0.0	500	21-Jun
PX10	85 173	27.70	41.0	24.1	0.0	0.00	136.2	11.1	0.0	0.0	500	22-Jun
PX10	85 174	21.10	41.5	25.6	0.0	0.00	71.4	12.0	0.0	0.0	500	23-Jun
PX10	85 175	12.90	37.8	27.3	0.0	0.00	126.3	11.5	0.0	0.0	500	24-Jun
PX10	85 176	31.20	38.1	21.9	0.0	0.00	97.5	8.5	0.0	0.0	500	25-Jun
PX10	85 177	32.60	40.5	22.8	0.0	0.00	103.2	6.8	0.0	0.0	500	26-Jun
PX10	85 178	32.10	44.3	19.5	0.0	0.00	62.1	8.0	0.0	0.0	500	27-Jun
PX10	85 179	31.80	41.5	22.3	0.0	0.00	91.1	9.2	0.0	0.0	500	28-Jun
PX10	85 180	28.80	41.9	23.5	0.0	0.00	118.9	10.0	0.0	0.0	500	29-Jun
PX10	85 181	30.70	42.0	23.0	0.0	0.00	105.3	10.7	0.0	0.0	500	30-Jun
PX10	85 182	30.50	44.7	23.4	0.0	0.00	141.0	10.1	0.0	0.0	500	01-Jul
PX10	85 183	31.60	45.5	25.4	0.0	0.00	146.3	9.2	0.0	0.0	500	02-Jul
PX10	85 184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	500	03-Jul
PX10	85 185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	500	04-Jul
PX10	85 186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	500	05-Jul
PX10	85 187	29.40	40.4	27.5	0.0	0.00	125.6	18.3	0.0	0.0	500	06-Jul
PX10	85 188	28.20	41.4	29.3	0.0	0.00	136.1	16.8	0.0	0.0	500	07-Jul
PX10	85 189	26.30	44.2	30.3	0.0	0.00	142.8	14.3	0.0	0.0	500	08-Jul
PX10	85 190	29.40	41.1	31.5	0.0	0.00	146.2	17.4	0.0	0.0	500	09-Jul
PX10	85 191	29.70	42.1	28.8	0.0	0.00	133.1	17.3	0.0	0.0	500	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	85	192	29.30	44.5	28.5	0.0	0.00	107.4	17.4	0.0	0.0	500	11-Jul
PX10	85	193	28.40	42.3	29.9	0.0	0.00	110.2	17.2	0.0	0.0	500	12-Jul
PX10	85	194	22.80	40.8	27.8	0.0	0.00	123.7	17.7	0.0	0.0	500	13-Jul
PX10	85	195	27.70	41.0	30.1	0.0	0.00	147.6	18.4	0.0	0.0	500	14-Jul
PX10	85	196	29.20	39.9	28.4	23.0	0.00	185.1	19.5	0.0	0.0	500	15-Jul
PX10	85	197	26.20	35.2	23.1	0.0	0.00	97.8	23.8	0.0	0.0	500	16-Jul
PX10	85	198	30.30	38.0	26.6	0.0	0.00	168.8	21.7	0.0	0.0	500	17-Jul
PX10	85	199	18.30	31.5	23.0	5.0	0.00	110.3	22.5	0.0	0.0	500	18-Jul
PX10	85	200	19.20	34.0	25.1	0.0	0.00	129.1	21.8	0.0	0.0	500	19-Jul
PX10	85	201	28.80	37.6	26.7	0.0	0.00	91.9	21.5	0.0	0.0	500	20-Jul
PX10	85	202	30.80	38.1	26.4	0.0	0.00	127.3	20.4	0.0	0.0	500	21-Jul
PX10	85	203	30.80	39.3	25.0	0.0	0.00	133.5	18.4	0.0	0.0	500	22-Jul
PX10	85	204	31.20	40.5	24.0	0.0	0.00	107.5	17.2	0.0	0.0	500	23-Jul
PX10	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	500	24-Jul
PX10	85	206	30.80	41.8	25.5	0.0	0.00	135.7	10.6	0.0	0.0	500	25-Jul
PX10	85	207	30.60	39.6	23.2	0.0	0.00	125.5	15.8	0.0	0.0	500	26-Jul
PX10	85	208	22.00	38.4	30.2	0.0	0.00	235.4	16.9	0.0	0.0	500	27-Jul
PX10	85	209	25.60	36.7	28.3	0.0	0.00	171.5	19.9	0.0	0.0	500	28-Jul
PX10	85	210	25.70	38.9	28.1	0.0	0.00	123.4	20.8	0.0	0.0	500	29-Jul
PX10	85	211	30.00	41.2	28.2	0.0	0.00	114.3	20.0	0.0	0.0	500	30-Jul
PX10	85	212	29.90	43.3	27.6	0.0	0.00	117.6	15.0	0.0	0.0	500	31-Jul
PX10	85	213	18.60	38.0	28.3	0.0	0.00	167.2	19.3	0.0	0.0	500	01-Aug
PX10	85	214	24.80	36.9	27.1	0.0	0.00	145.1	21.1	0.0	0.0	500	02-Aug
PX10	85	215	28.50	36.8	26.5	0.0	0.00	86.6	21.4	0.0	0.0	500	03-Aug
PX10	85	216	29.60	38.7	27.4	0.0	0.00	116.4	18.8	0.0	0.0	500	04-Aug
PX10	85	217	28.50	39.1	25.7	0.0	0.00	108.4	14.4	0.0	0.0	500	05-Aug
PX10	85	218	28.80	39.7	24.8	0.0	0.00	110.5	17.1	0.0	0.0	500	06-Aug
PX10	85	219	26.50	40.5	29.1	0.0	0.00	139.5	19.0	0.0	0.0	500	07-Aug
PX10	85	220	28.50	41.4	27.2	0.0	0.00	110.9	19.1	0.0	0.0	500	08-Aug
PX10	85	221	29.50	37.9	26.0	0.0	0.00	121.6	17.4	0.0	0.0	500	09-Aug
PX10	85	222	29.00	37.7	25.3	0.0	0.00	160.3	16.9	0.0	0.0	500	10-Aug
PX10	85	223	26.80	37.7	28.2	0.0	0.00	197.5	19.9	0.0	0.0	500	11-Aug
PX10	85	224	29.40	38.7	24.7	0.0	0.00	168.4	14.4	0.0	0.0	500	12-Aug
PX10	85	225	29.40	41.7	23.6	0.0	0.00	178.5	12.3	0.0	0.0	500	13-Aug
PX10	85	226	30.10	42.9	21.6	0.0	0.00	176.8	8.2	0.0	0.0	500	14-Aug
PX10	85	227	29.10	43.3	20.0	0.0	0.00	174.9	7.4	0.0	0.0	500	15-Aug
PX10	85	228	28.50	39.6	21.5	0.0	0.00	189.7	12.4	0.0	0.0	500	16-Aug
PX10	85	229	19.30	37.1	24.4	0.0	0.00	191.4	15.5	0.0	0.0	500	17-Aug
PX10	85	230	27.20	39.7	25.5	0.0	0.00	210.5	17.6	0.0	0.0	500	18-Aug
PX10	85	231	27.40	41.2	27.2	0.0	0.00	228.7	19.3	0.0	0.0	500	19-Aug
PX10	85	232	20.20	37.8	23.1	21.0	0.00	112.9	22.5	0.0	0.0	500	20-Aug
PX10	85	233	27.30	38.9	24.1	0.0	0.00	65.3	23.5	0.0	0.0	500	21-Aug
PX10	85	234	26.90	42.6	25.5	0.0	0.00	61.9	20.3	0.0	0.0	500	22-Aug
PX10	85	235	27.80	41.1	24.5	0.0	0.00	75.1	19.4	0.0	0.0	500	23-Aug
PX10	85	236	24.10	42.6	26.3	0.0	0.00	128.9	17.9	0.0	0.0	500	24-Aug
PX10	85	237	22.20	43.3	29.7	0.0	0.00	162.1	18.9	0.0	0.0	500	25-Aug
PX10	85	238	25.00	41.6	29.0	0.0	0.00	201.6	19.4	0.0	0.0	500	26-Aug
PX10	85	239	24.80	44.1	28.9	0.0	0.00	196.6	20.9	0.0	0.0	500	27-Aug
PX10	85	240	26.20	45.2	26.8	0.0	0.00	175.3	19.2	0.0	0.0	500	28-Aug
PX10	85	241	25.80	46.7	29.3	0.0	0.00	173.0	18.2	0.0	0.0	500	29-Aug
PX10	85	242	26.60	41.2	27.5	0.0	0.00	222.5	19.5	0.0	0.0	500	30-Aug
PX10	85	243	26.10	39.5	27.0	6.0	0.00	227.0	20.4	0.0	0.0	500	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	85	244	23.40	36.2	24.5	0.0	0.00	96.8	21.4	0.0	0.0	500	01-Sep
PX10	85	245	25.20	39.4	25.8	0.0	0.00	114.9	19.5	0.0	0.0	500	02-Sep
PX10	85	246	23.60	39.6	25.8	0.0	0.00	160.4	15.8	0.0	0.0	500	03-Sep
PX10	85	247	21.60	36.6	22.4	0.0	0.00	176.5	12.6	0.0	0.0	500	04-Sep
PX10	85	248	23.40	35.0	19.2	0.0	0.00	98.3	11.6	0.0	0.0	500	05-Sep
PX10	85	249	19.40	32.9	19.8	0.0	0.00	132.7	14.4	0.0	0.0	500	06-Sep
PX10	85	250	26.10	33.7	19.6	0.0	0.00	101.3	14.1	0.0	0.0	500	07-Sep
PX10	85	251	24.90	35.7	19.4	0.0	0.00	115.3	12.4	0.0	0.0	500	08-Sep
PX10	85	252	16.00	32.7	20.9	0.0	0.00	78.9	11.8	0.0	0.0	500	09-Sep
PX10	85	253	13.80	34.4	22.1	0.0	0.00	83.2	11.8	0.0	0.0	500	10-Sep
PX10	85	254	24.10	32.9	17.1	0.0	0.00	189.4	13.4	0.0	0.0	500	11-Sep
PX10	85	255	25.10	35.0	12.8	0.0	0.00	54.0	7.0	0.0	0.0	500	12-Sep
PX10	85	256	24.80	37.6	14.6	0.0	0.00	77.7	9.8	0.0	0.0	500	13-Sep
PX10	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.0	0.0	0.0	500	14-Sep
PX10	85	258	17.00	39.8	24.7	0.0	0.00	107.0	16.7	0.0	0.0	500	15-Sep
PX10	85	259	16.50	40.5	23.1	0.0	0.00	91.6	13.1	0.0	0.0	500	16-Sep
PX10	85	260	24.10	40.0	22.0	0.0	0.00	150.9	12.9	0.0	0.0	500	17-Sep
PX10	85	261	11.90	27.5	16.4	17.0	0.00	145.6	18.5	0.0	0.0	500	18-Sep
PX10	85	262	23.60	31.1	15.6	1.0	0.00	99.1	14.3	0.0	0.0	500	19-Sep
PX10	85	263	23.30	30.1	15.5	0.0	0.00	57.6	12.4	0.0	0.0	500	20-Sep
PX10	85	264	23.60	33.4	15.7	0.0	0.00	48.5	12.8	0.0	0.0	500	21-Sep
PX10	85	265	23.50	34.7	17.4	0.0	0.00	101.0	12.9	0.0	0.0	500	22-Sep
PX10	85	266	19.50	35.8	18.7	0.0	0.00	75.0	12.5	0.0	0.0	500	23-Sep
PX10	85	267	22.90	37.9	17.8	0.0	0.00	72.3	11.3	0.0	0.0	500	24-Sep
PX10	85	268	21.20	37.5	18.5	0.0	0.00	89.7	11.9	0.0	0.0	500	25-Sep
PX10	85	269	21.80	38.8	19.4	5.0	0.00	108.8	12.7	0.0	0.0	500	26-Sep
PX10	85	270	18.50	34.1	20.3	1.0	0.00	169.8	15.7	0.0	0.0	500	27-Sep
PX10	85	271	15.00	29.7	20.4	0.0	0.00	170.0	16.0	0.0	0.0	500	28-Sep
PX10	85	272	21.90	33.1	17.0	0.0	0.00	73.8	14.8	0.0	0.0	500	29-Sep
PX10	85	273	16.90	33.4	18.9	0.0	0.00	60.2	13.1	0.0	0.0	500	30-Sep
PX10	85	274	20.90	35.1	16.1	0.0	0.00	60.5	11.2	0.0	0.0	500	01-Oct
PX10	85	275	20.80	34.5	19.4	0.0	0.00	76.1	12.8	0.0	0.0	500	02-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX02	33.40	112.00	2.30	0 1 1 0 1	500	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	85	94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX02	85	95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX02	85	96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX02	85	97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX02	85	98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX02	85	99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX02	85	100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX02	85	101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	500	11-Apr
PX02	85	102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	500	12-Apr
PX02	85	103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	500	13-Apr
PX02	85	104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	500	14-Apr
PX02	85	105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	500	15-Apr
PX02	85	106	23.42	39.2	17.7	0.0	0.00	164.2	-0.0	0.0	0.0	500	16-Apr
PX02	85	107	24.54	36.5	21.8	0.0	0.00	276.5	1.1	0.0	0.0	500	17-Apr
PX02	85	108	25.31	25.9	12.9	0.0	0.00	250.6	1.7	0.0	0.0	500	18-Apr
PX02	85	109	28.01	29.8	10.8	0.0	0.00	112.3	4.5	0.0	0.0	500	19-Apr
PX02	85	110	21.55	30.0	12.9	0.0	0.00	241.9	3.0	0.0	0.0	500	20-Apr
PX02	85	111	12.79	24.9	15.7	0.0	0.00	181.4	2.1	0.0	0.0	500	21-Apr
PX02	85	112	27.99	28.0	11.4	0.0	0.00	120.9	2.9	0.0	0.0	500	22-Apr
PX02	85	113	29.60	32.0	14.5	0.0	0.00	78.8	1.5	0.0	0.0	500	23-Apr
PX02	85	114	29.00	35.4	13.5	0.0	0.00	105.4	2.5	0.0	0.0	500	24-Apr
PX02	85	115	29.60	31.6	16.8	0.0	0.00	228.7	1.1	0.0	0.0	500	25-Apr
PX02	85	116	22.60	21.0	11.5	0.0	0.00	204.4	2.5	0.0	0.0	500	26-Apr
PX02	85	117	12.50	23.8	10.8	0.0	0.00	128.8	0.4	0.0	0.0	500	27-Apr
PX02	85	118	21.50	22.3	11.9	3.0	0.00	86.8	7.4	0.0	0.0	500	28-Apr
PX02	85	119	29.20	29.9	10.3	0.0	0.00	87.8	9.3	0.0	0.0	500	29-Apr
PX02	85	120	27.80	37.4	15.4	0.0	0.00	88.5	8.8	0.0	0.0	500	30-Apr
PX02	85	121	27.80	39.9	19.8	0.0	0.00	141.0	9.5	0.0	0.0	500	01-May
PX02	85	122	27.30	39.6	21.2	0.0	0.00	115.7	8.2	0.0	0.0	500	02-May
PX02	85	123	28.80	40.7	23.1	23.4	0.00	123.3	9.7	0.0	0.0	500	03-May
PX02	85	124	30.50	39.4	20.3	0.0	0.00	148.3	8.1	0.0	0.0	500	04-May
PX02	85	125	25.10	37.7	17.7	0.0	0.00	118.0	5.0	0.0	0.0	500	05-May
PX02	85	126	30.60	38.1	17.1	0.0	0.00	118.9	2.7	0.0	0.0	500	06-May
PX02	85	127	22.90	37.6	16.2	0.0	0.00	59.5	2.9	0.0	0.0	500	07-May
PX02	85	128	28.00	40.0	16.9	0.0	0.00	75.3	3.0	0.0	0.0	500	08-May
PX02	85	129	19.70	40.6	21.5	0.0	0.00	178.3	4.8	0.0	0.0	500	09-May
PX02	85	130	31.70	29.6	19.3	0.0	0.00	236.4	7.1	0.0	0.0	500	10-May
PX02	85	131	30.90	32.2	13.9	0.0	0.00	100.8	5.3	0.0	0.0	500	11-May
PX02	85	132	31.10	32.2	14.8	0.0	0.00	89.9	4.6	0.0	0.0	500	12-May
PX02	85	133	31.40	35.3	15.6	0.0	0.00	73.5	5.4	0.0	0.0	500	13-May
PX02	85	134	31.80	37.3	15.3	0.0	0.00	63.6	4.6	0.0	0.0	500	14-May
PX02	85	135	27.40	40.9	16.5	0.0	0.00	133.5	-0.2	0.0	0.0	500	15-May
PX02	85	136	20.10	38.3	24.7	0.0	0.00	145.7	7.1	0.0	0.0	500	16-May
PX02	85	137	31.00	39.9	21.3	0.0	0.00	96.6	10.4	0.0	0.0	500	17-May
PX02	85	138	31.40	40.7	21.8	0.0	0.00	147.2	9.3	0.0	0.0	500	18-May
PX02	85	139	32.30	38.7	20.0	0.0	0.00	179.5	5.1	0.0	0.0	500	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	85	140	31.80	38.9	19.9	0.0	0.00	179.7	7.0	0.0	0.0	500	20-May
PX02	85	141	31.50	37.1	20.1	0.0	0.00	133.5	8.4	0.0	0.0	500	21-May
PX02	85	142	30.50	40.3	18.4	0.0	0.00	110.3	8.9	0.0	0.0	500	22-May
PX02	85	143	22.70	39.6	20.2	0.0	0.00	122.7	9.4	0.0	0.0	500	23-May
PX02	85	144	28.90	42.4	20.6	0.0	0.00	156.4	10.1	0.0	0.0	500	24-May
PX02	85	145	32.10	40.7	20.9	0.0	0.00	172.2	9.2	0.0	0.0	500	25-May
PX02	85	146	32.40	40.5	19.2	0.0	0.00	179.1	8.6	0.0	0.0	500	26-May
PX02	85	147	31.60	40.2	21.1	0.0	0.00	142.1	8.0	0.0	0.0	500	27-May
PX02	85	148	32.40	41.4	19.3	0.0	0.00	109.7	10.0	0.0	0.0	500	28-May
PX02	85	149	26.90	40.0	23.7	0.0	0.00	89.5	10.3	0.0	0.0	500	29-May
PX02	85	150	20.00	36.4	24.5	0.0	0.00	88.1	12.8	0.0	0.0	500	30-May
PX02	85	151	32.60	37.1	20.6	0.0	0.00	182.4	10.7	0.0	0.0	500	31-May
PX02	85	152	31.70	35.1	18.1	0.0	0.00	100.8	8.2	0.0	0.0	500	01-Jun
PX02	85	153	32.00	38.3	18.3	0.0	0.00	137.8	7.8	0.0	0.0	500	02-Jun
PX02	85	154	31.30	34.8	19.6	0.0	0.00	149.8	8.8	0.0	0.0	500	03-Jun
PX02	85	155	31.70	36.7	16.5	0.0	0.00	118.9	9.5	0.0	0.0	500	04-Jun
PX02	85	156	31.30	39.3	20.4	0.0	0.00	121.9	12.3	0.0	0.0	500	05-Jun
PX02	85	157	30.90	44.2	21.8	0.0	0.00	96.6	12.8	0.0	0.0	500	06-Jun
PX02	85	158	25.90	47.4	24.1	0.0	0.00	86.8	11.3	0.0	0.0	500	07-Jun
PX02	85	159	31.50	45.4	25.1	0.0	0.00	195.8	10.3	0.0	0.0	500	08-Jun
PX02	85	160	31.30	45.8	24.2	0.0	0.00	179.0	15.7	0.0	0.0	500	09-Jun
PX02	85	161	32.10	43.8	24.5	0.0	0.00	224.1	12.9	0.0	0.0	500	10-Jun
PX02	85	162	31.30	42.0	24.5	0.0	0.00	199.9	12.0	0.0	0.0	500	11-Jun
PX02	85	163	31.10	44.3	25.4	0.0	0.00	222.0	12.5	0.0	0.0	500	12-Jun
PX02	85	164	31.50	44.5	25.6	0.0	0.00	201.4	8.4	0.0	0.0	500	13-Jun
PX02	85	165	30.40	42.6	24.2	0.0	0.00	167.3	11.8	0.0	0.0	500	14-Jun
PX02	85	166	32.00	42.9	21.5	0.0	0.00	90.5	9.4	0.0	0.0	500	15-Jun
PX02	85	167	32.00	43.6	23.0	0.0	0.00	87.3	9.3	0.0	0.0	500	16-Jun
PX02	85	168	31.70	44.9	23.0	0.0	0.00	85.1	11.0	0.0	0.0	500	17-Jun
PX02	85	169	30.40	45.4	23.5	0.0	0.00	116.3	8.4	0.0	0.0	500	18-Jun
PX02	85	170	27.10	44.4	26.0	0.0	0.00	91.6	11.0	0.0	0.0	500	19-Jun
PX02	85	171	30.10	43.0	28.0	0.0	0.00	118.6	13.7	0.0	0.0	500	20-Jun
PX02	85	172	31.10	38.8	24.9	0.0	0.00	100.7	10.7	0.0	0.0	500	21-Jun
PX02	85	173	27.70	38.5	22.4	0.0	0.00	136.2	12.5	0.0	0.0	500	22-Jun
PX02	85	174	21.10	38.7	24.9	0.0	0.00	71.4	13.0	0.0	0.0	500	23-Jun
PX02	85	175	12.90	35.7	27.2	0.0	0.00	126.3	13.0	0.0	0.0	500	24-Jun
PX02	85	176	31.20	36.7	21.9	0.0	0.00	97.5	11.0	0.0	0.0	500	25-Jun
PX02	85	177	32.60	39.7	20.4	0.0	0.00	103.2	7.0	0.0	0.0	500	26-Jun
PX02	85	178	32.10	43.0	19.2	0.0	0.00	62.1	5.4	0.0	0.0	500	27-Jun
PX02	85	179	31.80	39.4	20.9	0.0	0.00	91.1	10.6	0.0	0.0	500	28-Jun
PX02	85	180	28.80	39.9	22.3	0.0	0.00	118.9	10.0	0.0	0.0	500	29-Jun
PX02	85	181	30.70	40.8	22.4	0.0	0.00	105.3	11.0	0.0	0.0	500	30-Jun
PX02	85	182	30.50	42.9	23.2	0.0	0.00	141.0	10.3	0.0	0.0	500	01-Jul
PX02	85	183	31.60	43.6	25.3	0.0	0.00	146.3	9.7	0.0	0.0	500	02-Jul
PX02	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	500	03-Jul
PX02	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	500	04-Jul
PX02	85	186	29.52	39.1	26.9	0.0	0.00	111.4	15.8	0.0	0.0	500	05-Jul
PX02	85	187	29.40	38.4	26.7	0.0	0.00	125.6	19.7	0.0	0.0	500	06-Jul
PX02	85	188	28.20	39.7	28.7	0.0	0.00	136.1	18.1	0.0	0.0	500	07-Jul
PX02	85	189	26.30	42.1	29.6	0.0	0.00	142.8	16.6	0.0	0.0	500	08-Jul
PX02	85	190	29.40	39.1	30.8	0.0	0.00	146.2	18.9	0.0	0.0	500	09-Jul
PX02	85	191	29.70	40.4	28.3	0.0	0.00	133.1	20.7	0.0	0.0	500	10-Jul

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	85 192	29.30	41.2	28.1	0.0	0.00	107.4	20.1	0.0	0.0	500	11-Jul
PX02	85 193	28.40	39.1	28.4	0.0	0.00	110.2	18.5	0.0	0.0	500	12-Jul
PX02	85 194	22.80	38.5	26.5	0.0	0.00	123.7	17.8	0.0	0.0	500	13-Jul
PX02	85 195	27.70	38.9	29.5	0.0	0.00	147.6	16.3	0.0	0.0	500	14-Jul
PX02	85 196	29.20	37.5	28.2	23.0	0.00	185.1	19.1	0.0	0.0	500	15-Jul
PX02	85 197	26.20	34.1	23.2	0.0	0.00	97.8	23.9	0.0	0.0	500	16-Jul
PX02	85 198	30.30	36.1	26.0	0.0	0.00	168.8	22.6	0.0	0.0	500	17-Jul
PX02	85 199	18.30	30.4	23.0	5.0	0.00	110.3	22.9	0.0	0.0	500	18-Jul
PX02	85 200	19.20	32.8	25.1	0.0	0.00	129.1	22.5	0.0	0.0	500	19-Jul
PX02	85 201	28.80	35.8	26.0	0.0	0.00	91.9	22.4	0.0	0.0	500	20-Jul
PX02	85 202	30.80	36.1	26.1	0.0	0.00	127.3	21.1	0.0	0.0	500	21-Jul
PX02	85 203	30.80	36.9	27.3	0.0	0.00	133.5	19.2	0.0	0.0	500	22-Jul
PX02	85 204	31.20	37.6	25.5	0.0	0.00	107.5	18.0	0.0	0.0	500	23-Jul
PX02	85 205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	500	24-Jul
PX02	85 206	30.80	39.5	25.0	0.0	0.00	135.7	12.5	0.0	0.0	500	25-Jul
PX02	85 207	30.60	36.7	22.7	0.0	0.00	125.5	17.0	0.0	0.0	500	26-Jul
PX02	85 208	22.00	36.3	29.4	0.0	0.00	235.4	18.3	0.0	0.0	500	27-Jul
PX02	85 209	25.60	35.0	27.5	0.0	0.00	171.5	20.9	0.0	0.0	500	28-Jul
PX02	85 210	25.70	36.5	27.8	0.0	0.00	123.4	21.3	0.0	0.0	500	29-Jul
PX02	85 211	30.00	38.8	27.7	0.0	0.00	114.3	21.0	0.0	0.0	500	30-Jul
PX02	85 212	29.90	42.1	27.1	0.0	0.00	117.6	16.9	0.0	0.0	500	31-Jul
PX02	85 213	18.60	37.6	27.7	0.0	0.00	167.2	20.2	0.0	0.0	500	01-Aug
PX02	85 214	24.80	35.7	26.6	0.0	0.00	145.1	22.2	0.0	0.0	500	02-Aug
PX02	85 215	28.50	35.6	25.7	0.0	0.00	86.6	22.3	0.0	0.0	500	03-Aug
PX02	85 216	29.60	36.6	26.9	0.0	0.00	116.4	19.8	0.0	0.0	500	04-Aug
PX02	85 217	28.50	37.0	25.3	0.0	0.00	108.4	15.8	0.0	0.0	500	05-Aug
PX02	85 218	28.80	37.3	24.2	0.0	0.00	110.5	18.4	0.0	0.0	500	06-Aug
PX02	85 219	26.50	38.6	28.4	0.0	0.00	139.5	19.9	0.0	0.0	500	07-Aug
PX02	85 220	28.50	40.1	26.7	0.0	0.00	110.9	20.2	0.0	0.0	500	08-Aug
PX02	85 221	29.50	36.1	25.5	0.0	0.00	121.6	18.4	0.0	0.0	500	09-Aug
PX02	85 222	29.00	36.1	24.1	0.0	0.00	160.3	17.9	0.0	0.0	500	10-Aug
PX02	85 223	26.80	36.1	27.6	0.0	0.00	197.5	20.8	0.0	0.0	500	11-Aug
PX02	85 224	29.40	36.1	24.4	0.0	0.00	168.4	15.6	0.0	0.0	500	12-Aug
PX02	85 225	29.40	38.8	22.6	0.0	0.00	178.5	15.2	0.0	0.0	500	13-Aug
PX02	85 226	30.10	40.4	20.6	0.0	0.00	176.8	12.8	0.0	0.0	500	14-Aug
PX02	85 227	29.10	41.0	19.1	0.0	0.00	174.9	10.5	0.0	0.0	500	15-Aug
PX02	85 228	28.50	37.7	20.4	0.0	0.00	189.7	13.5	0.0	0.0	500	16-Aug
PX02	85 229	19.30	36.3	24.1	0.0	0.00	191.4	15.9	0.0	0.0	500	17-Aug
PX02	85 230	27.20	38.2	25.2	0.0	0.00	210.5	18.0	0.0	0.0	500	18-Aug
PX02	85 231	27.40	39.0	28.0	0.0	0.00	228.7	19.0	0.0	0.0	500	19-Aug
PX02	85 232	20.20	32.8	23.1	21.0	0.00	112.9	23.0	0.0	0.0	500	20-Aug
PX02	85 233	27.30	36.2	24.7	0.0	0.00	65.3	23.1	0.0	0.0	500	21-Aug
PX02	85 234	26.90	38.9	24.3	0.0	0.00	61.9	21.9	0.0	0.0	500	22-Aug
PX02	85 235	27.80	38.4	24.0	0.0	0.00	75.1	20.6	0.0	0.0	500	23-Aug
PX02	85 236	24.10	40.2	24.9	0.0	0.00	128.9	19.1	0.0	0.0	500	24-Aug
PX02	85 237	22.20	39.4	28.5	0.0	0.00	162.1	20.2	0.0	0.0	500	25-Aug
PX02	85 238	25.00	38.1	27.8	0.0	0.00	201.6	20.2	0.0	0.0	500	26-Aug
PX02	85 239	24.80	40.5	27.9	0.0	0.00	196.6	21.4	0.0	0.0	500	27-Aug
PX02	85 240	26.20	42.0	25.0	0.0	0.00	175.3	20.2	0.0	0.0	500	28-Aug
PX02	85 241	25.80	43.6	28.1	0.0	0.00	173.0	19.5	0.0	0.0	500	29-Aug
PX02	85 242	26.60	40.6	27.3	0.0	0.00	222.5	20.2	0.0	0.0	500	30-Aug
PX02	85 243	26.10	37.9	26.3	6.0	0.00	227.0	19.7	0.0	0.0	500	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	85	244	23.40	34.9	24.6	0.0	0.00	96.8	22.2	0.0	0.0	500	01-Sep
PX02	85	245	25.20	37.7	24.5	0.0	0.00	114.9	20.7	0.0	0.0	500	02-Sep
PX02	85	246	23.60	38.1	25.2	0.0	0.00	160.4	16.7	0.0	0.0	500	03-Sep
PX02	85	247	21.60	35.2	21.3	0.0	0.00	176.5	13.0	0.0	0.0	500	04-Sep
PX02	85	248	23.40	33.3	18.5	0.0	0.00	98.3	11.6	0.0	0.0	500	05-Sep
PX02	85	249	19.40	31.7	19.0	0.0	0.00	132.7	14.6	0.0	0.0	500	06-Sep
PX02	85	250	26.10	32.4	19.2	0.0	0.00	101.3	15.2	0.0	0.0	500	07-Sep
PX02	85	251	24.90	34.0	18.4	0.0	0.00	115.3	15.0	0.0	0.0	500	08-Sep
PX02	85	252	16.00	31.6	19.9	0.0	0.00	78.9	13.4	0.0	0.0	500	09-Sep
PX02	85	253	13.80	33.2	21.4	0.0	0.00	83.2	13.9	0.0	0.0	500	10-Sep
PX02	85	254	24.10	31.6	16.9	0.0	0.00	189.4	13.8	0.0	0.0	500	11-Sep
PX02	85	255	25.10	35.0	12.9	0.0	0.00	54.0	10.3	0.0	0.0	500	12-Sep
PX02	85	256	24.80	35.5	11.6	0.0	0.00	77.7	12.3	0.0	0.0	500	13-Sep
PX02	85	257	22.40	46.0	18.5	0.0	0.00	73.5	13.7	0.0	0.0	500	14-Sep
PX02	85	258	17.00	38.0	24.0	0.0	0.00	107.0	16.3	0.0	0.0	500	15-Sep
PX02	85	259	16.50	38.6	21.8	0.0	0.00	91.6	12.3	0.0	0.0	500	16-Sep
PX02	85	260	24.10	38.5	21.4	0.0	0.00	150.9	12.1	0.0	0.0	500	17-Sep
PX02	85	261	11.90	29.1	19.1	17.0	0.00	145.6	15.8	0.0	0.0	500	18-Sep
PX02	85	262	23.60	32.0	14.3	1.0	0.00	99.1	14.8	0.0	0.0	500	19-Sep
PX02	85	263	23.30	28.7	15.1	0.0	0.00	57.6	13.3	0.0	0.0	500	20-Sep
PX02	85	264	23.60	31.8	15.7	0.0	0.00	48.5	13.2	0.0	0.0	500	21-Sep
PX02	85	265	23.50	33.2	17.0	0.0	0.00	101.0	13.1	0.0	0.0	500	22-Sep
PX02	85	266	19.50	34.3	17.8	0.0	0.00	75.0	13.1	0.0	0.0	500	23-Sep
PX02	85	267	22.90	35.9	16.8	0.0	0.00	72.3	11.6	0.0	0.0	500	24-Sep
PX02	85	268	21.20	35.7	17.8	0.0	0.00	89.7	12.6	0.0	0.0	500	25-Sep
PX02	85	269	21.80	36.7	18.6	5.0	0.00	108.8	13.2	0.0	0.0	500	26-Sep
PX02	85	270	18.50	32.8	20.2	1.0	0.00	169.8	15.7	0.0	0.0	500	27-Sep
PX02	85	271	15.00	29.4	20.2	0.0	0.00	170.0	15.8	0.0	0.0	500	28-Sep
PX02	85	272	21.90	31.3	16.7	0.0	0.00	73.8	14.8	0.0	0.0	500	29-Sep
PX02	85	273	16.90	32.3	18.7	0.0	0.00	60.2	13.7	0.0	0.0	500	30-Sep
PX02	85	274	20.90	33.7	15.9	0.0	0.00	60.5	11.6	0.0	0.0	500	01-Oct
PX02	85	275	20.80	33.3	18.6	0.0	0.00	76.1	13.0	0.0	0.0	500	02-Oct

FILENAME: <u>PX160407.W85</u>   WEATHER DATA FOR CO2=500, IRRIGATION=WET, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX16	33.40	112.00	2.30	0 1 1 0 1	500	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX16	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX16	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX16	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX16	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX16	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX16	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX16	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	500	11-Apr
PX16	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	500	12-Apr
PX16	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	500	13-Apr
PX16	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	500	14-Apr
PX16	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	500	15-Apr
PX16	85 106	23.42	39.2	17.7	0.0	0.00	164.2	-0.0	0.0	0.0	500	16-Apr
PX16	85 107	24.54	36.5	21.8	0.0	0.00	276.5	1.1	0.0	0.0	500	17-Apr
PX16	85 108	25.31	25.9	12.9	0.0	0.00	250.6	1.7	0.0	0.0	500	18-Apr
PX16	85 109	28.01	29.8	10.8	0.0	0.00	112.3	4.5	0.0	0.0	500	19-Apr
PX16	85 110	21.55	30.0	12.9	0.0	0.00	241.9	3.0	0.0	0.0	500	20-Apr
PX16	85 111	12.79	24.9	15.7	0.0	0.00	181.4	2.1	0.0	0.0	500	21-Apr
PX16	85 112	27.99	28.0	11.4	0.0	0.00	120.9	2.9	0.0	0.0	500	22-Apr
PX16	85 113	29.60	33.0	15.5	0.0	0.00	78.8	3.8	0.0	0.0	500	23-Apr
PX16	85 114	29.00	35.8	14.9	0.0	0.00	105.4	2.3	0.0	0.0	500	24-Apr
PX16	85 115	29.60	31.3	17.8	0.0	0.00	228.7	0.6	0.0	0.0	500	25-Apr
PX16	85 116	22.60	21.8	12.6	0.0	0.00	204.4	0.4	0.0	0.0	500	26-Apr
PX16	85 117	12.50	22.5	11.1	0.0	0.00	128.8	7.8	0.0	0.0	500	27-Apr
PX16	85 118	21.50	23.0	12.2	3.0	0.00	86.8	9.2	0.0	0.0	500	28-Apr
PX16	85 119	29.20	30.6	11.3	0.0	0.00	87.8	8.6	0.0	0.0	500	29-Apr
PX16	85 120	27.80	37.9	16.7	0.0	0.00	88.5	9.4	0.0	0.0	500	30-Apr
PX16	85 121	27.80	39.5	20.4	0.0	0.00	141.0	8.1	0.0	0.0	500	01-May
PX16	85 122	27.30	39.4	22.3	0.0	0.00	115.7	9.2	0.0	0.0	500	02-May
PX16	85 123	28.80	40.2	23.7	23.4	0.00	123.3	7.3	0.0	0.0	500	03-May
PX16	85 124	30.50	39.0	20.7	0.0	0.00	148.3	3.9	0.0	0.0	500	04-May
PX16	85 125	25.10	37.0	18.3	0.0	0.00	118.0	1.7	0.0	0.0	500	05-May
PX16	85 126	30.60	37.5	18.0	0.0	0.00	118.9	1.5	0.0	0.0	500	06-May
PX16	85 127	22.90	37.1	17.9	0.0	0.00	59.5	0.9	0.0	0.0	500	07-May
PX16	85 128	28.00	40.6	18.1	0.0	0.00	75.3	2.7	0.0	0.0	500	08-May
PX16	85 129	19.70	39.8	22.3	0.0	0.00	178.3	5.1	0.0	0.0	500	09-May
PX16	85 130	31.70	29.8	19.6	0.0	0.00	236.4	3.6	0.0	0.0	500	10-May
PX16	85 131	30.90	31.8	14.6	0.0	0.00	100.8	2.9	0.0	0.0	500	11-May
PX16	85 132	31.10	32.9	15.1	0.0	0.00	89.9	3.4	0.0	0.0	500	12-May
PX16	85 133	31.40	36.1	15.9	0.0	0.00	73.5	2.1	0.0	0.0	500	13-May
PX16	85 134	31.80	36.7	16.7	0.0	0.00	63.6	-4.4	0.0	0.0	500	14-May
PX16	85 135	27.40	39.8	17.7	0.0	0.00	133.5	-0.7	0.0	0.0	500	15-May
PX16	85 136	20.10	37.6	25.3	0.0	0.00	145.7	4.3	0.0	0.0	500	16-May
PX16	85 137	31.00	40.2	21.8	0.0	0.00	96.6	7.7	0.0	0.0	500	17-May
PX16	85 138	31.40	41.1	22.4	0.0	0.00	147.2	6.4	0.0	0.0	500	18-May
PX16	85 139	32.30	38.3	20.8	0.0	0.00	179.5	1.5	0.0	0.0	500	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	85	140	31.80	38.7	20.6	0.0	0.00	179.7	3.6	0.0	0.0	500	20-May
PX16	85	141	31.50	37.7	20.7	0.0	0.00	133.5	6.2	0.0	0.0	500	21-May
PX16	85	142	30.50	40.4	19.6	0.0	0.00	110.3	6.5	0.0	0.0	500	22-May
PX16	85	143	22.70	39.7	20.7	0.0	0.00	122.7	7.1	0.0	0.0	500	23-May
PX16	85	144	28.90	41.7	21.7	0.0	0.00	156.4	7.7	0.0	0.0	500	24-May
PX16	85	145	32.10	40.5	22.1	0.0	0.00	172.2	6.4	0.0	0.0	500	25-May
PX16	85	146	32.40	40.4	20.2	0.0	0.00	179.1	4.3	0.0	0.0	500	26-May
PX16	85	147	31.60	40.1	21.9	0.0	0.00	142.1	2.9	0.0	0.0	500	27-May
PX16	85	148	32.40	40.9	20.4	0.0	0.00	109.7	2.3	0.0	0.0	500	28-May
PX16	85	149	26.90	40.0	23.7	0.0	0.00	89.5	9.7	0.0	0.0	500	29-May
PX16	85	150	20.00	36.4	24.5	0.0	0.00	88.1	12.0	0.0	0.0	500	30-May
PX16	85	151	32.60	36.7	21.0	0.0	0.00	182.4	8.6	0.0	0.0	500	31-May
PX16	85	152	31.70	35.2	18.6	0.0	0.00	100.8	5.8	0.0	0.0	500	01-Jun
PX16	85	153	32.00	37.4	19.1	0.0	0.00	137.8	4.6	0.0	0.0	500	02-Jun
PX16	85	154	31.30	34.2	19.9	0.0	0.00	149.8	5.9	0.0	0.0	500	03-Jun
PX16	85	155	31.70	36.7	17.1	0.0	0.00	118.9	6.2	0.0	0.0	500	04-Jun
PX16	85	156	31.30	39.6	20.9	0.0	0.00	121.9	9.0	0.0	0.0	500	05-Jun
PX16	85	157	30.90	44.2	22.3	0.0	0.00	96.6	9.5	0.0	0.0	500	06-Jun
PX16	85	158	25.90	47.3	25.0	0.0	0.00	86.8	10.3	0.0	0.0	500	07-Jun
PX16	85	159	31.50	44.9	25.6	0.0	0.00	195.8	11.2	0.0	0.0	500	08-Jun
PX16	85	160	31.30	45.4	24.9	0.0	0.00	179.0	11.1	0.0	0.0	500	09-Jun
PX16	85	161	32.10	43.6	25.2	0.0	0.00	224.1	11.3	0.0	0.0	500	10-Jun
PX16	85	162	31.30	41.3	25.2	0.0	0.00	199.9	11.4	0.0	0.0	500	11-Jun
PX16	85	163	31.10	43.9	26.1	0.0	0.00	222.0	11.8	0.0	0.0	500	12-Jun
PX16	85	164	31.50	43.6	26.1	0.0	0.00	201.4	8.1	0.0	0.0	500	13-Jun
PX16	85	165	30.40	42.0	24.5	0.0	0.00	167.3	9.2	0.0	0.0	500	14-Jun
PX16	85	166	32.00	43.0	22.8	0.0	0.00	90.5	8.8	0.0	0.0	500	15-Jun
PX16	85	167	32.00	44.1	23.9	0.0	0.00	87.3	8.8	0.0	0.0	500	16-Jun
PX16	85	168	31.70	45.1	23.9	0.0	0.00	85.1	7.5	0.0	0.0	500	17-Jun
PX16	85	169	30.40	45.7	24.4	0.0	0.00	116.3	8.1	0.0	0.0	500	18-Jun
PX16	85	170	27.10	43.9	26.4	0.0	0.00	91.6	10.9	0.0	0.0	500	19-Jun
PX16	85	171	30.10	42.3	28.4	0.0	0.00	118.6	13.8	0.0	0.0	500	20-Jun
PX16	85	172	31.10	38.5	25.3	0.0	0.00	100.7	10.9	0.0	0.0	500	21-Jun
PX16	85	173	27.70	38.7	23.8	0.0	0.00	136.2	12.2	0.0	0.0	500	22-Jun
PX16	85	174	21.10	38.8	25.5	0.0	0.00	71.4	12.8	0.0	0.0	500	23-Jun
PX16	85	175	12.90	36.3	27.5	0.0	0.00	126.3	12.1	0.0	0.0	500	24-Jun
PX16	85	176	31.20	36.5	21.8	0.0	0.00	97.5	9.5	0.0	0.0	500	25-Jun
PX16	85	177	32.60	39.3	23.1	0.0	0.00	103.2	5.9	0.0	0.0	500	26-Jun
PX16	85	178	32.10	42.9	19.5	0.0	0.00	62.1	5.8	0.0	0.0	500	27-Jun
PX16	85	179	31.80	40.1	22.5	0.0	0.00	91.1	10.1	0.0	0.0	500	28-Jun
PX16	85	180	28.80	39.7	23.2	0.0	0.00	118.9	10.1	0.0	0.0	500	29-Jun
PX16	85	181	30.70	40.5	23.1	0.0	0.00	105.3	11.0	0.0	0.0	500	30-Jun
PX16	85	182	30.50	43.0	23.6	0.0	0.00	141.0	10.0	0.0	0.0	500	01-Jul
PX16	85	183	31.60	43.5	25.6	0.0	0.00	146.3	8.9	0.0	0.0	500	02-Jul
PX16	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	500	03-Jul
PX16	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	500	04-Jul
PX16	85	186	29.52	39.1	26.9	0.0	0.00	111.4	15.8	0.0	0.0	500	05-Jul
PX16	85	187	29.40	37.7	27.2	0.0	0.00	125.6	19.7	0.0	0.0	500	06-Jul
PX16	85	188	28.20	38.5	28.9	0.0	0.00	136.1	18.4	0.0	0.0	500	07-Jul
PX16	85	189	26.30	40.6	29.9	0.0	0.00	142.8	16.4	0.0	0.0	500	08-Jul
PX16	85	190	29.40	39.0	30.9	0.0	0.00	146.2	18.8	0.0	0.0	500	09-Jul
PX16	85	191	29.70	39.9	28.4	0.0	0.00	133.1	19.0	0.0	0.0	500	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	85	192	29.30	40.8	28.4	0.0	0.00	107.4	19.9	0.0	0.0	500	11-Jul
PX16	85	193	28.40	39.5	27.8	0.0	0.00	110.2	21.2	0.0	0.0	500	12-Jul
PX16	85	194	22.80	38.5	27.6	0.0	0.00	123.7	18.4	0.0	0.0	500	13-Jul
PX16	85	195	27.70	39.0	29.7	0.0	0.00	147.6	19.0	0.0	0.0	500	14-Jul
PX16	85	196	29.20	38.2	29.0	23.0	0.00	185.1	19.9	0.0	0.0	500	15-Jul
PX16	85	197	26.20	33.9	24.6	0.0	0.00	97.8	23.6	0.0	0.0	500	16-Jul
PX16	85	198	30.30	36.4	26.4	0.0	0.00	168.8	22.3	0.0	0.0	500	17-Jul
PX16	85	199	18.30	30.3	24.0	5.0	0.00	110.3	22.8	0.0	0.0	500	18-Jul
PX16	85	200	19.20	32.9	24.9	0.0	0.00	129.1	22.4	0.0	0.0	500	19-Jul
PX16	85	201	28.80	36.0	26.3	0.0	0.00	91.9	22.3	0.0	0.0	500	20-Jul
PX16	85	202	30.80	35.9	25.9	0.0	0.00	127.3	21.2	0.0	0.0	500	21-Jul
PX16	85	203	30.80	36.7	27.4	0.0	0.00	133.5	19.3	0.0	0.0	500	22-Jul
PX16	85	204	31.20	36.9	25.7	0.0	0.00	107.5	18.4	0.0	0.0	500	23-Jul
PX16	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	500	24-Jul
PX16	85	206	30.80	38.0	25.1	0.0	0.00	135.7	13.7	0.0	0.0	500	25-Jul
PX16	85	207	30.60	36.2	22.9	0.0	0.00	125.5	17.5	0.0	0.0	500	26-Jul
PX16	85	208	22.00	37.0	29.5	0.0	0.00	235.4	18.0	0.0	0.0	500	27-Jul
PX16	85	209	25.60	34.8	27.6	0.0	0.00	171.5	21.0	0.0	0.0	500	28-Jul
PX16	85	210	25.70	35.8	27.5	0.0	0.00	123.4	21.7	0.0	0.0	500	29-Jul
PX16	85	211	30.00	38.3	27.7	0.0	0.00	114.3	21.3	0.0	0.0	500	30-Jul
PX16	85	212	29.90	39.6	27.0	0.0	0.00	117.6	17.2	0.0	0.0	500	31-Jul
PX16	85	213	18.60	35.3	27.6	0.0	0.00	167.2	20.4	0.0	0.0	500	01-Aug
PX16	85	214	24.80	35.0	26.6	0.0	0.00	145.1	21.9	0.0	0.0	500	02-Aug
PX16	85	215	28.50	35.5	26.3	0.0	0.00	86.6	22.4	0.0	0.0	500	03-Aug
PX16	85	216	29.60	36.3	27.2	0.0	0.00	116.4	20.2	0.0	0.0	500	04-Aug
PX16	85	217	28.50	37.0	25.0	0.0	0.00	108.4	16.2	0.0	0.0	500	05-Aug
PX16	85	218	28.80	37.1	24.2	0.0	0.00	110.5	18.7	0.0	0.0	500	06-Aug
PX16	85	219	26.50	37.6	28.3	0.0	0.00	139.5	20.3	0.0	0.0	500	07-Aug
PX16	85	220	28.50	37.5	26.6	0.0	0.00	110.9	20.7	0.0	0.0	500	08-Aug
PX16	85	221	29.50	35.6	25.3	0.0	0.00	121.6	18.9	0.0	0.0	500	09-Aug
PX16	85	222	29.00	36.1	24.9	0.0	0.00	160.3	18.3	0.0	0.0	500	10-Aug
PX16	85	223	26.80	35.7	27.5	0.0	0.00	197.5	20.9	0.0	0.0	500	11-Aug
PX16	85	224	29.40	35.8	24.1	0.0	0.00	168.4	16.4	0.0	0.0	500	12-Aug
PX16	85	225	29.40	37.1	22.7	0.0	0.00	178.5	14.9	0.0	0.0	500	13-Aug
PX16	85	226	30.10	38.4	20.9	0.0	0.00	176.8	11.5	0.0	0.0	500	14-Aug
PX16	85	227	29.10	38.5	19.5	0.0	0.00	174.9	10.7	0.0	0.0	500	15-Aug
PX16	85	228	28.50	38.0	21.4	0.0	0.00	189.7	13.8	0.0	0.0	500	16-Aug
PX16	85	229	19.30	36.1	24.0	0.0	0.00	191.4	16.4	0.0	0.0	500	17-Aug
PX16	85	230	27.20	37.4	25.1	0.0	0.00	210.5	18.7	0.0	0.0	500	18-Aug
PX16	85	231	27.40	37.6	26.6	0.0	0.00	228.7	19.7	0.0	0.0	500	19-Aug
PX16	85	232	20.20	33.1	23.5	21.0	0.00	112.9	22.8	0.0	0.0	500	20-Aug
PX16	85	233	27.30	35.8	24.8	0.0	0.00	65.3	23.2	0.0	0.0	500	21-Aug
PX16	85	234	26.90	38.6	24.6	0.0	0.00	61.9	21.6	0.0	0.0	500	22-Aug
PX16	85	235	27.80	39.0	23.7	0.0	0.00	75.1	20.6	0.0	0.0	500	23-Aug
PX16	85	236	24.10	39.7	25.4	0.0	0.00	128.9	19.0	0.0	0.0	500	24-Aug
PX16	85	237	22.20	40.0	28.4	0.0	0.00	162.1	19.9	0.0	0.0	500	25-Aug
PX16	85	238	25.00	38.2	28.0	0.0	0.00	201.6	20.4	0.0	0.0	500	26-Aug
PX16	85	239	24.80	40.2	27.7	0.0	0.00	196.6	21.6	0.0	0.0	500	27-Aug
PX16	85	240	26.20	41.5	25.9	0.0	0.00	175.3	20.7	0.0	0.0	500	28-Aug
PX16	85	241	25.80	42.6	28.4	0.0	0.00	173.0	20.2	0.0	0.0	500	29-Aug
PX16	85	242	26.60	40.0	27.4	0.0	0.00	222.5	20.2	0.0	0.0	500	30-Aug
PX16	85	243	26.10	38.0	26.6	6.0	0.00	227.0	20.9	0.0	0.0	500	31-Aug

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	85 244	23.40	35.2	24.3	0.0	0.00	96.8	21.9	0.0	0.0	500	01-Sep
PX16	85 245	25.20	37.7	25.1	0.0	0.00	114.9	20.4	0.0	0.0	500	02-Sep
PX16	85 246	23.60	37.8	24.8	0.0	0.00	160.4	16.9	0.0	0.0	500	03-Sep
PX16	85 247	21.60	35.0	21.5	0.0	0.00	176.5	14.0	0.0	0.0	500	04-Sep
PX16	85 248	23.40	33.2	18.8	0.0	0.00	98.3	13.0	0.0	0.0	500	05-Sep
PX16	85 249	19.40	31.8	19.3	0.0	0.00	132.7	15.3	0.0	0.0	500	06-Sep
PX16	85 250	26.10	33.4	19.2	0.0	0.00	101.3	15.2	0.0	0.0	500	07-Sep
PX16	85 251	24.90	35.9	19.3	0.0	0.00	115.3	12.7	0.0	0.0	500	08-Sep
PX16	85 252	16.00	31.8	18.4	0.0	0.00	78.9	12.0	0.0	0.0	500	09-Sep
PX16	85 253	13.80	33.8	21.6	0.0	0.00	83.2	12.9	0.0	0.0	500	10-Sep
PX16	85 254	24.10	32.2	16.6	0.0	0.00	189.4	13.7	0.0	0.0	500	11-Sep
PX16	85 255	25.10	34.0	12.6	0.0	0.00	54.0	8.1	0.0	0.0	500	12-Sep
PX16	85 256	24.80	35.4	14.4	0.0	0.00	77.7	11.3	0.0	0.0	500	13-Sep
PX16	85 257	22.40	46.0	18.5	0.0	0.00	73.5	13.0	0.0	0.0	500	14-Sep
PX16	85 258	17.00	37.3	23.7	0.0	0.00	107.0	17.8	0.0	0.0	500	15-Sep
PX16	85 259	16.50	37.6	22.5	0.0	0.00	91.6	14.4	0.0	0.0	500	16-Sep
PX16	85 260	24.10	37.4	21.5	0.0	0.00	150.9	12.7	0.0	0.0	500	17-Sep
PX16	85 261	11.90	27.1	16.3	17.0	0.00	145.6	14.7	0.0	0.0	500	18-Sep
PX16	85 262	23.60	29.7	15.5	1.0	0.00	99.1	15.2	0.0	0.0	500	19-Sep
PX16	85 263	23.30	29.4	14.9	0.0	0.00	57.6	13.9	0.0	0.0	500	20-Sep
PX16	85 264	23.60	31.9	15.5	0.0	0.00	48.5	13.8	0.0	0.0	500	21-Sep
PX16	85 265	23.50	33.1	17.1	0.0	0.00	101.0	13.0	0.0	0.0	500	22-Sep
PX16	85 266	19.50	34.0	18.4	0.0	0.00	75.0	13.8	0.0	0.0	500	23-Sep
PX16	85 267	22.90	35.5	17.5	0.0	0.00	72.3	13.7	0.0	0.0	500	24-Sep
PX16	85 268	21.20	35.2	18.1	0.0	0.00	89.7	13.4	0.0	0.0	500	25-Sep
PX16	85 269	21.80	36.1	18.8	5.0	0.00	108.8	14.3	0.0	0.0	500	26-Sep
PX16	85 270	18.50	32.3	19.7	1.0	0.00	169.8	16.8	0.0	0.0	500	27-Sep
PX16	85 271	15.00	28.6	19.8	0.0	0.00	170.0	16.5	0.0	0.0	500	28-Sep
PX16	85 272	21.90	31.3	16.4	0.0	0.00	73.8	15.8	0.0	0.0	500	29-Sep
PX16	85 273	16.90	31.7	17.3	0.0	0.00	60.2	14.5	0.0	0.0	500	30-Sep
PX16	85 274	20.90	33.1	15.6	0.0	0.00	60.5	12.6	0.0	0.0	500	01-Oct
PX16	85 275	20.80	33.1	18.8	0.0	0.00	76.1	14.0	0.0	0.0	500	02-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC					↓		CO2YR	WINDYR
PX07	33.40	112.00	2.30	0	1	1	0	1		650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	85	94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX07	85	95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX07	85	96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX07	85	97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX07	85	98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX07	85	99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX07	85	100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX07	85	101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	650	11-Apr
PX07	85	102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	650	12-Apr
PX07	85	103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	650	13-Apr
PX07	85	104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	650	14-Apr
PX07	85	105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	650	15-Apr
PX07	85	106	23.42	39.5	18.0	0.0	0.00	164.2	-0.0	0.0	0.0	650	16-Apr
PX07	85	107	24.54	36.6	22.2	0.0	0.00	276.5	1.1	0.0	0.0	650	17-Apr
PX07	85	108	25.31	25.9	13.2	0.0	0.00	250.6	1.7	0.0	0.0	650	18-Apr
PX07	85	109	28.01	29.9	11.0	0.0	0.00	112.3	4.5	0.0	0.0	650	19-Apr
PX07	85	110	21.55	30.1	13.2	0.0	0.00	241.9	3.0	0.0	0.0	650	20-Apr
PX07	85	111	12.79	24.9	16.1	0.0	0.00	181.4	2.1	0.0	0.0	650	21-Apr
PX07	85	112	27.99	28.1	11.6	0.0	0.00	120.9	2.9	0.0	0.0	650	22-Apr
PX07	85	113	29.60	32.5	15.0	0.0	0.00	78.8	3.8	0.0	0.0	650	23-Apr
PX07	85	114	29.00	35.7	13.9	0.0	0.00	105.4	2.5	0.0	0.0	650	24-Apr
PX07	85	115	29.60	31.4	17.3	0.0	0.00	228.7	1.3	0.0	0.0	650	25-Apr
PX07	85	116	22.60	21.3	11.7	0.0	0.00	204.4	0.2	0.0	0.0	650	26-Apr
PX07	85	117	12.50	23.7	10.4	0.0	0.00	128.8	7.7	0.0	0.0	650	27-Apr
PX07	85	118	21.50	22.7	11.9	3.0	0.00	86.8	9.8	0.0	0.0	650	28-Apr
PX07	85	119	29.20	30.3	10.5	0.0	0.00	87.8	10.7	0.0	0.0	650	29-Apr
PX07	85	120	27.80	37.7	15.7	0.0	0.00	88.5	9.7	0.0	0.0	650	30-Apr
PX07	85	121	27.80	40.1	19.8	0.0	0.00	141.0	8.4	0.0	0.0	650	01-May
PX07	85	122	27.30	40.2	21.6	0.0	0.00	115.7	9.4	0.0	0.0	650	02-May
PX07	85	123	28.80	41.0	23.4	23.4	0.00	123.3	7.5	0.0	0.0	650	03-May
PX07	85	124	30.50	39.4	20.6	0.0	0.00	148.3	4.3	0.0	0.0	650	04-May
PX07	85	125	25.10	37.7	18.3	0.0	0.00	118.0	1.9	0.0	0.0	650	05-May
PX07	85	126	30.60	38.5	17.5	0.0	0.00	118.9	1.7	0.0	0.0	650	06-May
PX07	85	127	22.90	37.3	17.0	0.0	0.00	59.5	1.3	0.0	0.0	650	07-May
PX07	85	128	28.00	40.5	17.5	0.0	0.00	75.3	3.4	0.0	0.0	650	08-May
PX07	85	129	19.70	40.3	21.8	0.0	0.00	178.3	5.8	0.0	0.0	650	09-May
PX07	85	130	31.70	29.8	19.4	0.0	0.00	236.4	4.1	0.0	0.0	650	10-May
PX07	85	131	30.90	32.5	14.4	0.0	0.00	100.8	3.4	0.0	0.0	650	11-May
PX07	85	132	31.10	32.4	14.9	0.0	0.00	89.9	4.1	0.0	0.0	650	12-May
PX07	85	133	31.40	35.7	15.5	0.0	0.00	73.5	2.9	0.0	0.0	650	13-May
PX07	85	134	31.80	38.1	15.7	0.0	0.00	63.6	-3.0	0.0	0.0	650	14-May
PX07	85	135	27.40	41.0	17.2	0.0	0.00	133.5	0.2	0.0	0.0	650	15-May
PX07	85	136	20.10	38.4	25.0	0.0	0.00	145.7	5.0	0.0	0.0	650	16-May
PX07	85	137	31.00	40.3	21.6	0.0	0.00	96.6	8.2	0.0	0.0	650	17-May
PX07	85	138	31.40	41.0	22.1	0.0	0.00	147.2	7.0	0.0	0.0	650	18-May
PX07	85	139	32.30	39.1	20.3	0.0	0.00	179.5	2.3	0.0	0.0	650	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	85	140	31.80	39.2	20.3	0.0	0.00	179.7	4.1	0.0	0.0	650	20-May
PX07	85	141	31.50	37.5	20.5	0.0	0.00	133.5	5.8	0.0	0.0	650	21-May
PX07	85	142	30.50	40.5	19.0	0.0	0.00	110.3	7.0	0.0	0.0	650	22-May
PX07	85	143	22.70	40.3	20.5	0.0	0.00	122.7	7.3	0.0	0.0	650	23-May
PX07	85	144	28.90	42.1	21.1	0.0	0.00	156.4	8.0	0.0	0.0	650	24-May
PX07	85	145	32.10	41.3	21.7	0.0	0.00	172.2	6.5	0.0	0.0	650	25-May
PX07	85	146	32.40	40.9	19.0	0.0	0.00	179.1	4.6	0.0	0.0	650	26-May
PX07	85	147	31.60	40.4	21.6	0.0	0.00	142.1	3.0	0.0	0.0	650	27-May
PX07	85	148	32.40	42.0	20.0	0.0	0.00	109.7	2.9	0.0	0.0	650	28-May
PX07	85	149	26.90	40.0	23.7	0.0	0.00	89.5	3.8	0.0	0.0	650	29-May
PX07	85	150	20.00	36.4	24.5	0.0	0.00	88.1	6.2	0.0	0.0	650	30-May
PX07	85	151	32.60	37.3	20.7	0.0	0.00	182.4	8.4	0.0	0.0	650	31-May
PX07	85	152	31.70	36.0	18.5	0.0	0.00	100.8	5.6	0.0	0.0	650	01-Jun
PX07	85	153	32.00	38.4	19.0	0.0	0.00	137.8	4.5	0.0	0.0	650	02-Jun
PX07	85	154	31.30	35.2	19.7	0.0	0.00	149.8	5.9	0.0	0.0	650	03-Jun
PX07	85	155	31.70	37.0	16.8	0.0	0.00	118.9	6.1	0.0	0.0	650	04-Jun
PX07	85	156	31.30	40.1	20.7	0.0	0.00	121.9	8.9	0.0	0.0	650	05-Jun
PX07	85	157	30.90	45.0	22.0	0.0	0.00	96.6	9.4	0.0	0.0	650	06-Jun
PX07	85	158	25.90	48.2	24.5	0.0	0.00	86.8	9.8	0.0	0.0	650	07-Jun
PX07	85	159	31.50	46.1	25.5	0.0	0.00	195.8	10.5	0.0	0.0	650	08-Jun
PX07	85	160	31.30	46.1	24.4	0.0	0.00	179.0	9.9	0.0	0.0	650	09-Jun
PX07	85	161	32.10	44.0	25.1	0.0	0.00	224.1	10.1	0.0	0.0	650	10-Jun
PX07	85	162	31.30	42.7	24.2	0.0	0.00	199.9	10.9	0.0	0.0	650	11-Jun
PX07	85	163	31.10	44.8	25.2	0.0	0.00	222.0	11.4	0.0	0.0	650	12-Jun
PX07	85	164	31.50	44.8	25.9	0.0	0.00	201.4	8.0	0.0	0.0	650	13-Jun
PX07	85	165	30.40	42.7	23.8	0.0	0.00	167.3	8.9	0.0	0.0	650	14-Jun
PX07	85	166	32.00	43.9	22.4	0.0	0.00	90.5	8.5	0.0	0.0	650	15-Jun
PX07	85	167	32.00	45.0	23.3	0.0	0.00	87.3	8.8	0.0	0.0	650	16-Jun
PX07	85	168	31.70	45.9	23.5	0.0	0.00	85.1	7.4	0.0	0.0	650	17-Jun
PX07	85	169	30.40	45.9	23.2	0.0	0.00	116.3	9.2	0.0	0.0	650	18-Jun
PX07	85	170	27.10	44.9	26.3	0.0	0.00	91.6	10.5	0.0	0.0	650	19-Jun
PX07	85	171	30.10	43.7	28.3	0.0	0.00	118.6	13.5	0.0	0.0	650	20-Jun
PX07	85	172	31.10	35.8	21.7	0.0	0.00	100.7	12.1	0.0	0.0	650	21-Jun
PX07	85	173	27.70	38.9	25.8	0.0	0.00	136.2	12.4	0.0	0.0	650	22-Jun
PX07	85	174	21.10	36.2	25.0	0.0	0.00	71.4	13.9	0.0	0.0	650	23-Jun
PX07	85	175	12.90	38.1	27.0	0.0	0.00	126.3	13.2	0.0	0.0	650	24-Jun
PX07	85	176	31.20	37.1	21.5	0.0	0.00	97.5	11.0	0.0	0.0	650	25-Jun
PX07	85	177	32.60	40.0	23.7	0.0	0.00	103.2	8.8	0.0	0.0	650	26-Jun
PX07	85	178	32.10	43.3	18.9	0.0	0.00	62.1	9.0	0.0	0.0	650	27-Jun
PX07	85	179	31.80	40.9	21.8	0.0	0.00	91.1	12.2	0.0	0.0	650	28-Jun
PX07	85	180	28.80	41.1	22.8	0.0	0.00	118.9	12.1	0.0	0.0	650	29-Jun
PX07	85	181	30.70	42.1	22.5	0.0	0.00	105.3	13.0	0.0	0.0	650	30-Jun
PX07	85	182	30.50	44.2	23.5	0.0	0.00	141.0	12.5	0.0	0.0	650	01-Jul
PX07	85	183	31.60	44.9	25.1	0.0	0.00	146.3	11.2	0.0	0.0	650	02-Jul
PX07	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	650	03-Jul
PX07	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	650	04-Jul
PX07	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0.	650	05-Jul
PX07	85	187	29.40	41.8	28.7	0.0	0.00	125.6	19.7	0.0	0.0	650	06-Jul
PX07	85	188	28.20	43.4	30.0	0.0	0.00	136.1	18.3	0.0	0.0	650	07-Jul
PX07	85	189	26.30	46.3	30.6	0.0	0.00	142.8	16.7	0.0	0.0	650	08-Jul
PX07	85	190	29.40	42.8	31.6	0.0	0.00	146.2	19.1	0.0	0.0	650	09-Jul
PX07	85	191	29.70	42.8	29.4	0.0	0.00	133.1	19.1	0.0	0.0	650	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX07	85	192	29.30	45.0	27.5	0.0	0.00	107.4	19.2	0.0	0.0	650	11-Jul
PX07	85	193	28.40	41.2	29.6	0.0	0.00	110.2	19.3	0.0	0.0	650	12-Jul
PX07	85	194	22.80	41.5	26.7	0.0	0.00	123.7	19.0	0.0	0.0	650	13-Jul
PX07	85	195	27.70	43.2	30.6	0.0	0.00	147.6	19.0	0.0	0.0	650	14-Jul
PX07	85	196	29.20	42.3	29.7	23.0	0.00	185.1	19.9	0.0	0.0	650	15-Jul
PX07	85	197	26.20	37.6	24.1	0.0	0.00	97.8	23.5	0.0	0.0	650	16-Jul
PX07	85	198	30.30	39.4	27.9	0.0	0.00	168.8	22.3	0.0	0.0	650	17-Jul
PX07	85	199	18.30	32.4	24.1	5.0	0.00	110.3	23.1	0.0	0.0	650	18-Jul
PX07	85	200	19.20	35.3	25.9	0.0	0.00	129.1	22.5	0.0	0.0	650	19-Jul
PX07	85	201	28.80	37.1	27.2	0.0	0.00	91.9	22.6	0.0	0.0	650	20-Jul
PX07	85	202	30.80	38.3	26.7	0.0	0.00	127.3	21.3	0.0	0.0	650	21-Jul
PX07	85	203	30.80	39.8	28.2	0.0	0.00	133.5	19.5	0.0	0.0	650	22-Jul
PX07	85	204	31.20	40.0	26.5	0.0	0.00	107.5	18.4	0.0	0.0	650	23-Jul
PX07	85	205	30.39	42.8	26.8	0.0	0.00	89.8	12.5	0.0	0.0	650	24-Jul
PX07	85	206	30.80	41.6	24.0	0.0	0.00	135.7	13.3	0.0	0.0	650	25-Jul
PX07	85	207	30.60	40.6	23.7	0.0	0.00	125.5	17.7	0.0	0.0	650	26-Jul
PX07	85	208	22.00	38.7	29.3	0.0	0.00	235.4	17.3	0.0	0.0	650	27-Jul
PX07	85	209	25.60	41.1	28.8	0.0	0.00	171.5	21.2	0.0	0.0	650	28-Jul
PX07	85	210	25.70	42.8	29.5	0.0	0.00	123.4	20.9	0.0	0.0	650	29-Jul
PX07	85	211	30.00	44.9	27.8	0.0	0.00	114.3	17.0	0.0	0.0	650	30-Jul
PX07	85	212	29.90	39.6	27.1	0.0	0.00	117.6	17.2	0.0	0.0	650	31-Jul
PX07	85	213	18.60	39.7	29.1	0.0	0.00	167.2	20.5	0.0	0.0	650	01-Aug
PX07	85	214	24.80	38.6	27.4	0.0	0.00	145.1	22.3	0.0	0.0	650	02-Aug
PX07	85	215	28.50	38.3	27.3	0.0	0.00	86.6	22.4	0.0	0.0	650	03-Aug
PX07	85	216	29.60	40.4	27.9	0.0	0.00	116.4	20.2	0.0	0.0	650	04-Aug
PX07	85	217	28.50	41.5	26.3	0.0	0.00	108.4	15.8	0.0	0.0	650	05-Aug
PX07	85	218	28.80	41.1	25.6	0.0	0.00	110.5	18.6	0.0	0.0	650	06-Aug
PX07	85	219	26.50	42.6	28.9	0.0	0.00	139.5	20.2	0.0	0.0	650	07-Aug
PX07	85	220	28.50	42.6	28.1	0.0	0.00	110.9	20.3	0.0	0.0	650	08-Aug
PX07	85	221	29.50	39.5	26.0	0.0	0.00	121.6	18.7	0.0	0.0	650	09-Aug
PX07	85	222	29.00	38.5	25.9	0.0	0.00	160.3	18.2	0.0	0.0	650	10-Aug
PX07	85	223	26.80	37.8	27.9	0.0	0.00	197.5	21.4	0.0	0.0	650	11-Aug
PX07	85	224	29.40	38.8	25.1	0.0	0.00	168.4	15.1	0.0	0.0	650	12-Aug
PX07	85	225	29.40	41.6	23.5	0.0	0.00	178.5	12.6	0.0	0.0	650	13-Aug
PX07	85	226	30.10	42.8	21.6	0.0	0.00	176.8	8.4	0.0	0.0	650	14-Aug
PX07	85	227	29.10	43.5	20.1	0.0	0.00	174.9	7.8	0.0	0.0	650	15-Aug
PX07	85	228	28.50	39.7	21.2	0.0	0.00	189.7	12.5	0.0	0.0	650	16-Aug
PX07	85	229	19.30	37.6	25.1	0.0	0.00	191.4	15.3	0.0	0.0	650	17-Aug
PX07	85	230	27.20	40.1	25.7	0.0	0.00	210.5	17.4	0.0	0.0	650	18-Aug
PX07	85	231	27.40	41.5	27.5	0.0	0.00	228.7	18.8	0.0	0.0	650	19-Aug
PX07	85	232	20.20	34.3	23.4	21.0	0.00	112.9	22.6	0.0	0.0	650	20-Aug
PX07	85	233	27.30	38.9	25.3	0.0	0.00	65.3	22.4	0.0	0.0	650	21-Aug
PX07	85	234	26.90	42.5	25.9	0.0	0.00	61.9	22.3	0.0	0.0	650	22-Aug
PX07	85	235	27.80	41.1	22.9	0.0	0.00	75.1	20.3	0.0	0.0	650	23-Aug
PX07	85	236	24.10	42.5	26.0	0.0	0.00	128.9	17.3	0.0	0.0	650	24-Aug
PX07	85	237	22.20	43.2	29.6	0.0	0.00	162.1	18.4	0.0	0.0	650	25-Aug
PX07	85	238	25.00	41.7	29.0	0.0	0.00	201.6	18.9	0.0	0.0	650	26-Aug
PX07	85	239	24.80	44.0	28.9	0.0	0.00	196.6	20.4	0.0	0.0	650	27-Aug
PX07	85	240	26.20	45.4	26.8	0.0	0.00	175.3	18.9	0.0	0.0	650	28-Aug
PX07	85	241	25.80	47.4	29.3	0.0	0.00	173.0	18.0	0.0	0.0	650	29-Aug
PX07	85	242	26.60	42.4	28.0	0.0	0.00	222.5	19.0	0.0	0.0	650	30-Aug
PX07	85	243	26.10	40.6	27.1	6.0	0.00	227.0	19.7	0.0	0.0	650	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	85	244	23.40	36.8	24.5	0.0	0.00	96.8	21.5	0.0	0.0	650	01-Sep
PX07	85	245	25.20	39.5	25.9	0.0	0.00	114.9	19.2	0.0	0.0	650	02-Sep
PX07	85	246	23.60	40.2	25.6	0.0	0.00	160.4	14.9	0.0	0.0	650	03-Sep
PX07	85	247	21.60	36.6	22.4	0.0	0.00	176.5	11.9	0.0	0.0	650	04-Sep
PX07	85	248	23.40	34.9	19.6	0.0	0.00	98.3	11.0	0.0	0.0	650	05-Sep
PX07	85	249	19.40	33.4	20.0	0.0	0.00	132.7	13.9	0.0	0.0	650	06-Sep
PX07	85	250	26.10	34.3	19.9	0.0	0.00	101.3	13.6	0.0	0.0	650	07-Sep
PX07	85	251	24.90	36.3	19.4	0.0	0.00	115.3	12.1	0.0	0.0	650	08-Sep
PX07	85	252	16.00	33.0	20.8	0.0	0.00	78.9	11.3	0.0	0.0	650	09-Sep
PX07	85	253	13.80	34.5	22.3	0.0	0.00	83.2	12.4	0.0	0.0	650	10-Sep
PX07	85	254	24.10	33.0	17.6	0.0	0.00	189.4	12.8	0.0	0.0	650	11-Sep
PX07	85	255	25.10	35.3	13.2	0.0	0.00	54.0	5.8	0.0	0.0	650	12-Sep
PX07	85	256	24.80	37.6	14.8	0.0	0.00	77.7	8.8	0.0	0.0	650	13-Sep
PX07	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.0	0.0	0.0	650	14-Sep
PX07	85	258	17.00	39.7	24.9	0.0	0.00	107.0	16.3	0.0	0.0	650	15-Sep
PX07	85	259	16.50	40.5	23.1	0.0	0.00	91.6	12.2	0.0	0.0	650	16-Sep
PX07	85	260	24.10	40.1	22.4	0.0	0.00	150.9	12.3	0.0	0.0	650	17-Sep
PX07	85	261	11.90	27.4	17.0	17.0	0.00	145.6	18.3	0.0	0.0	650	18-Sep
PX07	85	262	23.60	30.4	16.0	1.0	0.00	99.1	14.2	0.0	0.0	650	19-Sep
PX07	85	263	23.30	29.9	15.4	0.0	0.00	57.6	12.8	0.0	0.0	650	20-Sep
PX07	85	264	23.60	32.8	16.1	0.0	0.00	48.5	12.9	0.0	0.0	650	21-Sep
PX07	85	265	23.50	34.4	17.6	0.0	0.00	101.0	13.0	0.0	0.0	650	22-Sep
PX07	85	266	19.50	35.4	18.6	0.0	0.00	75.0	12.7	0.0	0.0	650	23-Sep
PX07	85	267	22.90	37.7	17.6	0.0	0.00	72.3	11.5	0.0	0.0	650	24-Sep
PX07	85	268	21.20	37.2	18.5	0.0	0.00	89.7	12.1	0.0	0.0	650	25-Sep
PX07	85	269	21.80	38.4	19.3	5.0	0.00	108.8	13.2	0.0	0.0	650	26-Sep
PX07	85	270	18.50	34.1	20.5	1.0	0.00	169.8	16.2	0.0	0.0	650	27-Sep
PX07	85	271	15.00	29.5	20.6	0.0	0.00	170.0	16.2	0.0	0.0	650	28-Sep
PX07	85	272	21.90	32.7	17.2	0.0	0.00	73.8	14.9	0.0	0.0	650	29-Sep
PX07	85	273	16.90	33.3	19.3	0.0	0.00	60.2	13.2	0.0	0.0	650	30-Sep
PX07	85	274	20.90	35.0	16.4	0.0	0.00	60.5	11.3	0.0	0.0	650	01-Oct
PX07	85	275	20.80	34.6	19.3	0.0	0.00	76.1	12.9	0.0	0.0	650	02-Oct

FILENAME: PX090407.W85   WEATHER DATA FOR CO2-650, IRRIGATION-DRY, REP-#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW XLAT XLONG PARFAC   ↓   CO2YR WINDYR
PX09 33.40 112.00 2.30 0 1 1 0 1 650   0.0

INSTW	IYR JUL	SOLRAD XTMAX	XTMIN	XRAIN	XPAR WIND	DEWPT STMAX	STMIN CO2	A00
PX09	85 94	26.21 32.0	12.2	0.0	0.00 164.2	2.1 0.0	0.0 350	04-Apr
PX09	85 95	26.37 29.1	11.0	0.0	0.00 276.5	1.3 0.0	0.0 350	05-Apr
PX09	85 96	25.00 30.6	12.4	0.0	0.00 164.2	-3.3 0.0	0.0 350	06-Apr
PX09	85 97	27.14 34.6	13.8	0.0	0.00 276.5	-5.0 0.0	0.0 350	07-Apr
PX09	85 98	24.85 35.7	15.1	0.0	0.00 164.2	-6.0 0.0	0.0 350	08-Apr
PX09	85 99	26.51 33.5	17.2	0.0	0.00 236.5	-1.2 0.0	0.0 350	09-Apr
PX09	85 100	26.91 33.2	17.4	0.0	0.00 150.6	3.2 0.0	0.0 350	10-Apr
PX09	85 101	27.91 34.3	13.5	0.0	0.00 152.3	6.1 0.0	0.0 650	11-Apr
PX09	85 102	27.79 34.8	12.9	0.0	0.00 141.9	6.4 0.0	0.0 650	12-Apr
PX09	85 103	25.67 33.2	13.1	0.0	0.00 131.4	5.9 0.0	0.0 650	13-Apr
PX09	85 104	24.98 24.8	12.4	0.0	0.00 160.9	2.5 0.0	0.0 650	14-Apr
PX09	85 105	24.60 30.2	11.9	0.0	0.00 178.8	0.2 0.0	0.0 650	15-Apr
PX09	85 106	23.42 39.5	18.0	0.0	0.00 164.2	-0.0 0.0	0.0 650	16-Apr
PX09	85 107	24.54 36.6	22.2	0.0	0.00 276.5	1.1 0.0	0.0 650	17-Apr
PX09	85 108	25.31 25.9	13.2	0.0	0.00 250.6	1.7 0.0	0.0 650	18-Apr
PX09	85 109	28.01 29.9	11.0	0.0	0.00 112.3	4.5 0.0	0.0 650	19-Apr
PX09	85 110	21.55 30.1	13.2	0.0	0.00 241.9	3.0 0.0	0.0 650	20-Apr
PX09	85 111	12.79 24.9	16.1	0.0	0.00 181.4	2.1 0.0	0.0 650	21-Apr
PX09	85 112	27.99 28.1	11.6	0.0	0.00 120.9	2.9 0.0	0.0 650	22-Apr
PX09	85 113	29.60 32.4	15.4	0.0	0.00 78.8	5.8 0.0	0.0 650	23-Apr
PX09	85 114	29.00 35.5	14.9	0.0	0.00 105.4	4.5 0.0	0.0 650	24-Apr
PX09	85 115	29.60 31.4	17.3	0.0	0.00 228.7	1.3 0.0	0.0 650	25-Apr
PX09	85 116	22.60 21.1	12.4	0.0	0.00 204.4	1.9 0.0	0.0 650	26-Apr
PX09	85 117	12.50 25.6	11.0	0.0	0.00 128.8	8.5 0.0	0.0 650	27-Apr
PX09	85 118	21.50 22.8	12.2	3.0	0.00 86.8	9.8 0.0	0.0 650	28-Apr
PX09	85 119	29.20 30.4	11.2	0.0	0.00 87.8	8.9 0.0	0.0 650	29-Apr
PX09	85 120	27.80 37.8	16.6	0.0	0.00 88.5	9.8 0.0	0.0 650	30-Apr
PX09	85 121	27.80 39.6	20.4	0.0	0.00 141.0	8.4 0.0	0.0 650	01-May
PX09	85 122	27.30 39.2	22.2	0.0	0.00 115.7	9.4 0.0	0.0 650	02-May
PX09	85 123	28.80 40.1	23.5	23.4	0.00 123.3	8.0 0.0	0.0 650	03-May
PX09	85 124	30.50 38.9	20.6	0.0	0.00 148.3	6.1 0.0	0.0 650	04-May
PX09	85 125	25.10 37.2	18.0	0.0	0.00 118.0	3.9 0.0	0.0 650	05-May
PX09	85 126	30.60 37.4	17.6	0.0	0.00 118.9	2.7 0.0	0.0 650	06-May
PX09	85 127	22.90 37.0	17.3	0.0	0.00 59.5	1.1 0.0	0.0 650	07-May
PX09	85 128	28.00 39.6	17.6	0.0	0.00 75.3	3.0 0.0	0.0 650	08-May
PX09	85 129	19.70 40.0	22.1	0.0	0.00 178.3	5.4 0.0	0.0 650	09-May
PX09	85 130	31.70 30.0	19.4	0.0	0.00 236.4	3.9 0.0	0.0 650	10-May
PX09	85 131	30.90 31.7	14.2	0.0	0.00 100.8	3.2 0.0	0.0 650	11-May
PX09	85 132	31.10 32.4	14.7	0.0	0.00 89.9	3.9 0.0	0.0 650	12-May
PX09	85 133	31.40 35.1	15.6	0.0	0.00 73.5	2.7 0.0	0.0 650	13-May
PX09	85 134	31.80 36.8	16.1	0.0	0.00 63.6	-3.0 0.0	0.0 650	14-May
PX09	85 135	27.40 39.7	17.3	0.0	0.00 133.5	0.2 0.0	0.0 650	15-May
PX09	85 136	20.10 37.6	25.1	0.0	0.00 145.7	5.0 0.0	0.0 650	16-May
PX09	85 137	31.00 39.5	21.4	0.0	0.00 96.6	8.4 0.0	0.0 650	17-May
PX09	85 138	31.40 40.7	22.0	0.0	0.00 147.2	7.1 0.0	0.0 650	18-May
PX09	85 139	32.30 37.8	20.5	0.0	0.00 179.5	2.5 0.0	0.0 650	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	85	140	31.80	38.5	20.3	0.0	0.00	179.7	4.3	0.0	0.0	650	20-May
PX09	85	141	31.50	37.2	20.5	0.0	0.00	133.5	6.8	0.0	0.0	650	21-May
PX09	85	142	30.50	39.9	19.3	0.0	0.00	110.3	7.1	0.0	0.0	650	22-May
PX09	85	143	22.70	39.3	20.0	0.0	0.00	122.7	7.4	0.0	0.0	650	23-May
PX09	85	144	28.90	41.0	21.5	0.0	0.00	156.4	8.5	0.0	0.0	650	24-May
PX09	85	145	32.10	40.6	21.9	0.0	0.00	172.2	7.3	0.0	0.0	650	25-May
PX09	85	146	32.40	39.9	19.9	0.0	0.00	179.1	5.6	0.0	0.0	650	26-May
PX09	85	147	31.60	39.9	21.7	0.0	0.00	142.1	5.1	0.0	0.0	650	27-May
PX09	85	148	32.40	40.5	20.1	0.0	0.00	109.7	5.1	0.0	0.0	650	28-May
PX09	85	149	26.90	40.0	23.7	0.0	0.00	89.5	3.8	0.0	0.0	650	29-May
PX09	85	150	20.00	36.4	24.5	0.0	0.00	88.1	5.4	0.0	0.0	650	30-May
PX09	85	151	32.60	36.2	20.8	0.0	0.00	182.4	10.3	0.0	0.0	650	31-May
PX09	85	152	31.70	35.0	18.7	0.0	0.00	100.8	7.4	0.0	0.0	650	01-Jun
PX09	85	153	32.00	37.5	18.9	0.0	0.00	137.8	6.8	0.0	0.0	650	02-Jun
PX09	85	154	31.30	34.3	19.8	0.0	0.00	149.8	7.8	0.0	0.0	650	03-Jun
PX09	85	155	31.70	36.8	17.0	0.0	0.00	118.9	8.2	0.0	0.0	650	04-Jun
PX09	85	156	31.30	39.1	20.8	0.0	0.00	121.9	10.7	0.0	0.0	650	05-Jun
PX09	85	157	30.90	44.0	22.3	0.0	0.00	96.6	11.4	0.0	0.0	650	06-Jun
PX09	85	158	25.90	46.8	25.0	0.0	0.00	86.8	11.4	0.0	0.0	650	07-Jun
PX09	85	159	31.50	46.0	25.7	0.0	0.00	195.8	12.0	0.0	0.0	650	08-Jun
PX09	85	160	31.30	46.3	24.8	0.0	0.00	179.0	11.2	0.0	0.0	650	09-Jun
PX09	85	161	32.10	44.6	25.4	0.0	0.00	224.1	10.4	0.0	0.0	650	10-Jun
PX09	85	162	31.30	42.1	25.5	0.0	0.00	199.9	11.0	0.0	0.0	650	11-Jun
PX09	85	163	31.10	44.9	26.2	0.0	0.00	222.0	11.3	0.0	0.0	650	12-Jun
PX09	85	164	31.50	44.4	26.1	0.0	0.00	201.4	7.5	0.0	0.0	650	13-Jun
PX09	85	165	30.40	42.2	24.7	0.0	0.00	167.3	8.6	0.0	0.0	650	14-Jun
PX09	85	166	32.00	43.7	23.0	0.0	0.00	90.5	8.0	0.0	0.0	650	15-Jun
PX09	85	167	32.00	45.0	24.1	0.0	0.00	87.3	8.0	0.0	0.0	650	16-Jun
PX09	85	168	31.70	46.1	23.1	0.0	0.00	85.1	7.5	0.0	0.0	650	17-Jun
PX09	85	169	30.40	46.4	24.4	0.0	0.00	116.3	8.4	0.0	0.0	650	18-Jun
PX09	85	170	27.10	44.0	26.5	0.0	0.00	91.6	11.2	0.0	0.0	650	19-Jun
PX09	85	171	30.10	42.6	28.0	0.0	0.00	118.6	13.8	0.0	0.0	650	20-Jun
PX09	85	172	31.10	38.7	25.4	0.0	0.00	100.7	10.6	0.0	0.0	650	21-Jun
PX09	85	173	27.70	40.1	24.5	0.0	0.00	136.2	11.6	0.0	0.0	650	22-Jun
PX09	85	174	21.10	40.3	25.8	0.0	0.00	71.4	12.2	0.0	0.0	650	23-Jun
PX09	85	175	12.90	37.2	27.6	0.0	0.00	126.3	11.9	0.0	0.0	650	24-Jun
PX09	85	176	31.20	37.7	22.0	0.0	0.00	97.5	9.7	0.0	0.0	650	25-Jun
PX09	85	177	32.60	40.3	23.1	0.0	0.00	103.2	6.7	0.0	0.0	650	26-Jun
PX09	85	178	32.10	44.0	19.5	0.0	0.00	62.1	6.1	0.0	0.0	650	27-Jun
PX09	85	179	31.80	41.7	22.4	0.0	0.00	91.1	10.0	0.0	0.0	650	28-Jun
PX09	85	180	28.80	41.8	23.7	0.0	0.00	118.9	10.6	0.0	0.0	650	29-Jun
PX09	85	181	30.70	42.5	23.4	0.0	0.00	105.3	11.3	0.0	0.0	650	30-Jun
PX09	85	182	30.50	44.6	23.6	0.0	0.00	141.0	9.8	0.0	0.0	650	01-Jul
PX09	85	183	31.60	45.4	25.5	0.0	0.00	146.3	9.3	0.0	0.0	650	02-Jul
PX09	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	650	03-Jul
PX09	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	650	04-Jul
PX09	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	650	05-Jul
PX09	85	187	29.40	40.2	27.7	0.0	0.00	125.6	18.7	0.0	0.0	650	06-Jul
PX09	85	188	28.20	41.2	29.5	0.0	0.00	136.1	17.3	0.0	0.0	650	07-Jul
PX09	85	189	26.30	44.1	30.5	0.0	0.00	142.8	15.4	0.0	0.0	650	08-Jul
PX09	85	190	29.40	41.5	31.5	0.0	0.00	146.2	18.7	0.0	0.0	650	09-Jul
PX09	85	191	29.70	42.5	28.8	0.0	0.00	133.1	18.3	0.0	0.0	650	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	85	192	29.30	44.4	28.6	0.0	0.00	107.4	18.5	0.0	0.0	650	11-Jul
PX09	85	193	28.40	41.9	29.8	0.0	0.00	110.2	18.3	0.0	0.0	650	12-Jul
PX09	85	194	22.80	40.5	28.2	0.0	0.00	123.7	18.5	0.0	0.0	650	13-Jul
PX09	85	195	27.70	40.9	30.3	0.0	0.00	147.6	19.4	0.0	0.0	650	14-Jul
PX09	85	196	29.20	39.9	28.5	23.0	0.00	185.1	20.2	0.0	0.0	650	15-Jul
PX09	85	197	26.20	35.3	23.1	0.0	0.00	97.8	23.8	0.0	0.0	650	16-Jul
PX09	85	198	30.30	37.9	26.8	0.0	0.00	168.8	22.2	0.0	0.0	650	17-Jul
PX09	85	199	18.30	31.1	23.1	5.0	0.00	110.3	21.1	0.0	0.0	650	18-Jul
PX09	85	200	19.20	33.7	25.1	0.0	0.00	129.1	22.0	0.0	0.0	650	19-Jul
PX09	85	201	28.80	36.5	26.6	0.0	0.00	91.9	21.8	0.0	0.0	650	20-Jul
PX09	85	202	30.80	37.6	26.4	0.0	0.00	127.3	20.7	0.0	0.0	650	21-Jul
PX09	85	203	30.80	39.4	28.1	0.0	0.00	133.5	18.8	0.0	0.0	650	22-Jul
PX09	85	204	31.20	40.4	26.3	0.0	0.00	107.5	17.7	0.0	0.0	650	23-Jul
PX09	85	205	30.39	42.8	26.8	0.0	0.00	89.8	12.0	0.0	0.0	650	24-Jul
PX09	85	206	30.80	41.9	25.6	0.0	0.00	135.7	11.3	0.0	0.0	650	25-Jul
PX09	85	207	30.60	39.4	23.4	0.0	0.00	125.5	16.2	0.0	0.0	650	26-Jul
PX09	85	208	22.00	38.0	30.1	0.0	0.00	235.4	16.9	0.0	0.0	650	27-Jul
PX09	85	209	25.60	36.6	28.2	0.0	0.00	171.5	19.9	0.0	0.0	650	28-Jul
PX09	85	210	25.70	38.9	28.1	0.0	0.00	123.4	20.7	0.0	0.0	650	29-Jul
PX09	85	211	30.00	41.3	28.2	0.0	0.00	114.3	20.1	0.0	0.0	650	30-Jul
PX09	85	212	29.90	42.8	27.7	0.0	0.00	117.6	16.0	0.0	0.0	650	31-Jul
PX09	85	213	18.60	37.6	28.1	0.0	0.00	167.2	19.9	0.0	0.0	650	01-Aug
PX09	85	214	24.80	36.8	26.8	0.0	0.00	145.1	21.5	0.0	0.0	650	02-Aug
PX09	85	215	28.50	36.8	26.4	0.0	0.00	86.6	21.9	0.0	0.0	650	03-Aug
PX09	85	216	29.60	38.3	27.6	0.0	0.00	116.4	19.5	0.0	0.0	650	04-Aug
PX09	85	217	28.50	38.9	25.8	0.0	0.00	108.4	15.6	0.0	0.0	650	05-Aug
PX09	85	218	28.80	39.6	25.0	0.0	0.00	110.5	18.0	0.0	0.0	650	06-Aug
PX09	85	219	26.50	40.7	28.8	0.0	0.00	139.5	19.7	0.0	0.0	650	07-Aug
PX09	85	220	28.50	41.3	27.1	0.0	0.00	110.9	19.6	0.0	0.0	650	08-Aug
PX09	85	221	29.50	37.0	25.9	0.0	0.00	121.6	17.9	0.0	0.0	650	09-Aug
PX09	85	222	29.00	38.3	25.5	0.0	0.00	160.3	17.3	0.0	0.0	650	10-Aug
PX09	85	223	26.80	37.7	28.3	0.0	0.00	197.5	20.2	0.0	0.0	650	11-Aug
PX09	85	224	29.40	38.9	24.7	0.0	0.00	168.4	15.0	0.0	0.0	650	12-Aug
PX09	85	225	29.40	41.7	23.8	0.0	0.00	178.5	13.3	0.0	0.0	650	13-Aug
PX09	85	226	30.10	42.8	21.7	0.0	0.00	176.8	9.9	0.0	0.0	650	14-Aug
PX09	85	227	29.10	42.9	20.1	0.0	0.00	174.9	9.2	0.0	0.0	650	15-Aug
PX09	85	228	28.50	40.0	21.9	0.0	0.00	189.7	13.2	0.0	0.0	650	16-Aug
PX09	85	229	19.30	37.7	24.5	0.0	0.00	191.4	16.1	0.0	0.0	650	17-Aug
PX09	85	230	27.20	39.8	25.7	0.0	0.00	210.5	18.3	0.0	0.0	650	18-Aug
PX09	85	231	27.40	41.3	27.3	0.0	0.00	228.7	19.0	0.0	0.0	650	19-Aug
PX09	85	232	20.20	34.4	23.1	21.0	0.00	112.9	22.4	0.0	0.0	650	20-Aug
PX09	85	233	27.30	38.8	25.2	0.0	0.00	65.3	22.5	0.0	0.0	650	21-Aug
PX09	85	234	26.90	42.5	25.4	0.0	0.00	61.9	20.6	0.0	0.0	650	22-Aug
PX09	85	235	27.80	41.1	24.5	0.0	0.00	75.1	19.7	0.0	0.0	650	23-Aug
PX09	85	236	24.10	42.9	26.5	0.0	0.00	128.9	17.9	0.0	0.0	650	24-Aug
PX09	85	237	22.20	43.5	29.8	0.0	0.00	162.1	18.5	0.0	0.0	650	25-Aug
PX09	85	238	25.00	41.4	29.1	0.0	0.00	201.6	18.9	0.0	0.0	650	26-Aug
PX09	85	239	24.80	44.0	29.0	0.0	0.00	196.6	20.6	0.0	0.0	650	27-Aug
PX09	85	240	26.20	45.2	26.8	0.0	0.00	175.3	19.0	0.0	0.0	650	28-Aug
PX09	85	241	25.80	46.8	29.5	0.0	0.00	173.0	18.0	0.0	0.0	650	29-Aug
PX09	85	242	26.60	41.2	27.8	0.0	0.00	222.5	19.2	0.0	0.0	650	30-Aug
PX09	85	243	26.10	40.6	27.1	6.0	0.00	227.0	19.7	0.0	0.0	650	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	85	244	23.40	36.6	24.7	0.0	0.00	96.8	21.1	0.0	0.0	650	01-Sep
PX09	85	245	25.20	39.5	25.9	0.0	0.00	114.9	19.2	0.0	0.0	650	02-Sep
PX09	85	246	23.60	40.0	26.0	0.0	0.00	160.4	15.3	0.0	0.0	650	03-Sep
PX09	85	247	21.60	36.7	22.6	0.0	0.00	176.5	12.1	0.0	0.0	650	04-Sep
PX09	85	248	23.40	34.9	19.5	0.0	0.00	98.3	11.1	0.0	0.0	650	05-Sep
PX09	85	249	19.40	32.8	20.0	0.0	0.00	132.7	14.1	0.0	0.0	650	06-Sep
PX09	85	250	26.10	33.7	19.8	0.0	0.00	101.3	13.7	0.0	0.0	650	07-Sep
PX09	85	251	24.90	35.7	19.6	0.0	0.00	115.3	12.1	0.0	0.0	650	08-Sep
PX09	85	252	16.00	32.9	21.1	0.0	0.00	78.9	11.3	0.0	0.0	650	09-Sep
PX09	85	253	13.80	34.4	22.5	0.0	0.00	83.2	13.0	0.0	0.0	650	10-Sep
PX09	85	254	24.10	32.6	17.5	0.0	0.00	189.4	13.0	0.0	0.0	650	11-Sep
PX09	85	255	25.10	35.1	13.1	0.0	0.00	54.0	6.1	0.0	0.0	650	12-Sep
PX09	85	256	24.80	37.5	15.3	0.0	0.00	77.7	8.9	0.0	0.0	650	13-Sep
PX09	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.0	0.0	0.0	650	14-Sep
PX09	85	258	17.00	39.8	25.0	0.0	0.00	107.0	16.3	0.0	0.0	650	15-Sep
PX09	85	259	16.50	40.6	23.5	0.0	0.00	91.6	12.4	0.0	0.0	650	16-Sep
PX09	85	260	24.10	40.1	22.4	0.0	0.00	150.9	12.3	0.0	0.0	650	17-Sep
PX09	85	261	11.90	27.3	17.0	17.0	0.00	145.6	18.3	0.0	0.0	650	18-Sep
PX09	85	262	23.60	30.8	15.9	1.0	0.00	99.1	14.0	0.0	0.0	650	19-Sep
PX09	85	263	23.30	29.9	15.4	0.0	0.00	57.6	12.9	0.0	0.0	650	20-Sep
PX09	85	264	23.60	33.2	15.9	0.0	0.00	48.5	12.8	0.0	0.0	650	21-Sep
PX09	85	265	23.50	34.1	17.6	0.0	0.00	101.0	13.2	0.0	0.0	650	22-Sep
PX09	85	266	19.50	35.5	19.1	0.0	0.00	75.0	12.9	0.0	0.0	650	23-Sep
PX09	85	267	22.90	37.4	18.3	0.0	0.00	72.3	11.9	0.0	0.0	650	24-Sep
PX09	85	268	21.20	37.1	18.9	0.0	0.00	89.7	12.5	0.0	0.0	650	25-Sep
PX09	85	269	21.80	38.1	19.8	5.0	0.00	108.8	13.2	0.0	0.0	650	26-Sep
PX09	85	270	18.50	33.6	20.4	1.0	0.00	169.8	16.1	0.0	0.0	650	27-Sep
PX09	85	271	15.00	29.2	20.4	0.0	0.00	170.0	16.3	0.0	0.0	650	28-Sep
PX09	85	272	21.90	32.4	17.3	0.0	0.00	73.8	15.4	0.0	0.0	650	29-Sep
PX09	85	273	16.90	33.1	19.2	0.0	0.00	60.2	13.8	0.0	0.0	650	30-Sep
PX09	85	274	20.90	34.7	16.3	0.0	0.00	60.5	12.1	0.0	0.0	650	01-Oct
PX09	85	275	20.80	34.0	19.8	0.0	0.00	76.1	13.7	0.0	0.0	650	02-Oct

FILENAME: PX040407.W85   WEATHER DATA FOR CO2=650, IRRIGATION=WET, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓				CO2YR	WINDYR
PX04	33.40	112.00	2.30	0 1 1	0 1			650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX04	85 94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX04	85 95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX04	85 96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX04	85 97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX04	85 98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX04	85 99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX04	85 100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX04	85 101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	650	11-Apr
PX04	85 102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	650	12-Apr
PX04	85 103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	650	13-Apr
PX04	85 104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	650	14-Apr
PX04	85 105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	650	15-Apr
PX04	85 106	23.42	39.0	17.6	0.0	0.00	164.2	-0.0	0.0	0.0	650	16-Apr
PX04	85 107	24.54	36.2	21.8	0.0	0.00	276.5	1.1	0.0	0.0	650	17-Apr
PX04	85 108	25.31	25.5	12.8	0.0	0.00	250.6	1.7	0.0	0.0	650	18-Apr
PX04	85 109	28.01	29.4	10.6	0.0	0.00	112.3	4.5	0.0	0.0	650	19-Apr
PX04	85 110	21.55	29.7	12.8	0.0	0.00	241.9	3.0	0.0	0.0	650	20-Apr
PX04	85 111	12.79	24.5	15.6	0.0	0.00	181.4	2.1	0.0	0.0	650	21-Apr
PX04	85 112	27.99	27.6	11.2	0.0	0.00	120.9	2.9	0.0	0.0	650	22-Apr
PX04	85 113	29.60	32.9	14.4	0.0	0.00	78.8	1.5	0.0	0.0	650	23-Apr
PX04	85 114	29.00	35.9	13.4	0.0	0.00	105.4	2.3	0.0	0.0	650	24-Apr
PX04	85 115	29.60	31.2	16.8	0.0	0.00	228.7	1.1	0.0	0.0	650	25-Apr
PX04	85 116	22.60	20.9	11.6	0.0	0.00	204.4	0.2	0.0	0.0	650	26-Apr
PX04	85 117	12.50	22.5	10.2	0.0	0.00	128.8	7.5	0.0	0.0	650	27-Apr
PX04	85 118	21.50	22.8	12.2	3.0	0.00	86.8	9.8	0.0	0.0	650	28-Apr
PX04	85 119	29.20	30.3	10.1	0.0	0.00	87.8	8.6	0.0	0.0	650	29-Apr
PX04	85 120	27.80	37.5	15.4	0.0	0.00	88.5	9.7	0.0	0.0	650	30-Apr
PX04	85 121	27.80	40.4	19.6	0.0	0.00	141.0	8.4	0.0	0.0	650	01-May
PX04	85 122	27.30	39.5	21.1	0.0	0.00	115.7	9.3	0.0	0.0	650	02-May
PX04	85 123	28.80	40.2	23.2	23.4	0.00	123.3	7.4	0.0	0.0	650	03-May
PX04	85 124	30.50	39.0	20.2	0.0	0.00	148.3	4.1	0.0	0.0	650	04-May
PX04	85 125	25.10	37.3	17.5	0.0	0.00	118.0	1.7	0.0	0.0	650	05-May
PX04	85 126	30.60	37.8	17.0	0.0	0.00	118.9	1.5	0.0	0.0	650	06-May
PX04	85 127	22.90	37.1	16.0	0.0	0.00	59.5	1.1	0.0	0.0	650	07-May
PX04	85 128	28.00	40.4	16.9	0.0	0.00	75.3	3.0	0.0	0.0	650	08-May
PX04	85 129	19.70	39.8	21.5	0.0	0.00	178.3	5.6	0.0	0.0	650	09-May
PX04	85 130	31.70	29.4	19.4	0.0	0.00	236.4	4.1	0.0	0.0	650	10-May
PX04	85 131	30.90	31.7	13.8	0.0	0.00	100.8	3.4	0.0	0.0	650	11-May
PX04	85 132	31.10	31.9	14.7	0.0	0.00	89.9	4.1	0.0	0.0	650	12-May
PX04	85 133	31.40	35.4	14.9	0.0	0.00	73.5	2.9	0.0	0.0	650	13-May
PX04	85 134	31.80	36.9	15.1	0.0	0.00	63.6	-2.7	0.0	0.0	650	14-May
PX04	85 135	27.40	39.8	16.4	0.0	0.00	133.5	0.4	0.0	0.0	650	15-May
PX04	85 136	20.10	37.3	24.7	0.0	0.00	145.7	5.3	0.0	0.0	650	16-May
PX04	85 137	31.00	40.0	21.4	0.0	0.00	96.6	8.8	0.0	0.0	650	17-May
PX04	85 138	31.40	40.6	21.8	0.0	0.00	147.2	7.5	0.0	0.0	650	18-May
PX04	85 139	32.30	38.1	19.8	0.0	0.00	179.5	3.2	0.0	0.0	650	19-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	85 140	31.80	38.4	19.9	0.0	0.00	179.7	5.1	0.0	0.0	650	20-May
PX04	85 141	31.50	37.0	20.1	0.0	0.00	133.5	7.4	0.0	0.0	650	21-May
PX04	85 142	30.50	40.1	18.3	0.0	0.00	110.3	7.7	0.0	0.0	650	22-May
PX04	85 143	22.70	39.4	20.3	0.0	0.00	122.7	8.2	0.0	0.0	650	23-May
PX04	85 144	28.90	41.6	20.4	0.0	0.00	156.4	9.0	0.0	0.0	650	24-May
PX04	85 145	32.10	40.7	20.9	0.0	0.00	172.2	7.8	0.0	0.0	650	25-May
PX04	85 146	32.40	40.3	19.1	0.0	0.00	179.1	6.1	0.0	0.0	650	26-May
PX04	85 147	31.60	39.7	21.1	0.0	0.00	142.1	5.4	0.0	0.0	650	27-May
PX04	85 148	32.40	41.2	19.2	0.0	0.00	109.7	6.5	0.0	0.0	650	28-May
PX04	85 149	26.90	40.0	23.7	0.0	0.00	89.5	9.7	0.0	0.0	650	29-May
PX04	85 150	20.00	36.4	24.5	0.0	0.00	88.1	12.0	0.0	0.0	650	30-May
PX04	85 151	32.60	37.1	20.5	0.0	0.00	182.4	8.2	0.0	0.0	650	31-May
PX04	85 152	31.70	35.5	18.0	0.0	0.00	100.8	5.4	0.0	0.0	650	01-Jun
PX04	85 153	32.00	37.7	18.2	0.0	0.00	137.8	4.1	0.0	0.0	650	02-Jun
PX04	85 154	31.30	34.6	19.5	0.0	0.00	149.8	5.6	0.0	0.0	650	03-Jun
PX04	85 155	31.70	36.8	16.3	0.0	0.00	118.9	5.8	0.0	0.0	650	04-Jun
PX04	85 156	31.30	39.8	20.3	0.0	0.00	121.9	8.5	0.0	0.0	650	05-Jun
PX04	85 157	30.90	44.8	21.5	0.0	0.00	96.6	9.0	0.0	0.0	650	06-Jun
PX04	85 158	25.90	47.9	23.9	0.0	0.00	86.8	9.7	0.0	0.0	650	07-Jun
PX04	85 159	31.50	45.4	24.9	0.0	0.00	195.8	10.5	0.0	0.0	650	08-Jun
PX04	85 160	31.30	46.2	23.9	0.0	0.00	179.0	9.5	0.0	0.0	650	09-Jun
PX04	85 161	32.10	44.1	24.1	0.0	0.00	224.1	9.9	0.0	0.0	650	10-Jun
PX04	85 162	31.30	42.7	24.2	0.0	0.00	199.9	10.9	0.0	0.0	650	11-Jun
PX04	85 163	31.10	44.8	25.2	0.0	0.00	222.0	11.4	0.0	0.0	650	12-Jun
PX04	85 164	31.50	45.0	25.0	0.0	0.00	201.4	8.0	0.0	0.0	650	13-Jun
PX04	85 165	30.40	42.7	23.8	0.0	0.00	167.3	8.9	0.0	0.0	650	14-Jun
PX04	85 166	32.00	43.9	21.1	0.0	0.00	90.5	8.4	0.0	0.0	650	15-Jun
PX04	85 167	32.00	44.7	22.6	0.0	0.00	87.3	8.4	0.0	0.0	650	16-Jun
PX04	85 168	31.70	44.3	23.6	0.0	0.00	85.1	7.8	0.0	0.0	650	17-Jun
PX04	85 169	31.30	45.9	23.2	0.0	0.00	116.3	9.2	0.0	0.0	650	18-Jun
PX04	85 170	27.10	44.4	26.0	0.0	0.00	91.6	11.9	0.0	0.0	650	19-Jun
PX04	85 171	30.10	42.8	28.0	0.0	0.00	118.6	14.9	0.0	0.0	650	20-Jun
PX04	85 172	31.10	39.1	24.6	0.0	0.00	100.7	12.0	0.0	0.0	650	21-Jun
PX04	85 173	27.70	39.6	22.5	0.0	0.00	136.2	13.4	0.0	0.0	650	22-Jun
PX04	85 174	21.10	39.1	24.7	0.0	0.00	71.4	14.3	0.0	0.0	650	23-Jun
PX04	85 175	12.90	36.6	27.0	0.0	0.00	126.3	13.2	0.0	0.0	650	24-Jun
PX04	85 176	31.20	37.1	21.5	0.0	0.00	97.5	11.0	0.0	0.0	650	25-Jun
PX04	85 177	32.60	39.9	22.3	0.0	0.00	103.2	6.2	0.0	0.0	650	26-Jun
PX04	85 178	32.10	43.4	18.7	0.0	0.00	62.1	5.1	0.0	0.0	650	27-Jun
PX04	85 179	31.80	40.8	20.5	0.0	0.00	91.1	9.3	0.0	0.0	650	28-Jun
PX04	85 180	28.80	40.8	22.0	0.0	0.00	118.9	9.5	0.0	0.0	650	29-Jun
PX04	85 181	30.70	42.4	22.0	0.0	0.00	105.3	9.8	0.0	0.0	650	30-Jun
PX04	85 182	30.50	43.8	22.7	0.0	0.00	141.0	9.2	0.0	0.0	650	01-Jul
PX04	85 183	31.60	45.0	24.7	0.0	0.00	146.3	8.0	0.0	0.0	650	02-Jul
PX04	85 184	30.98	42.9	26.2	0.0	0.00	81.4	10.9	0.0	0.0	650	03-Jul
PX04	85 185	30.49	38.8	26.8	0.0	0.00	96.5	13.0	0.0	0.0	650	04-Jul
PX04	85 186	29.52	40.7	27.4	0.0	0.00	111.4	15.8	0.0	0.0	650	05-Jul
PX04	85 187	29.40	38.2	24.6	0.0	0.00	125.6	19.9	0.0	0.0	650	06-Jul
PX04	85 188	28.20	39.0	25.2	0.0	0.00	136.1	18.8	0.0	0.0	650	07-Jul
PX04	85 189	26.30	44.2	25.7	0.0	0.00	142.8	17.6	0.0	0.0	650	08-Jul
PX04	85 190	29.40	40.4	30.7	0.0	0.00	146.2	18.1	0.0	0.0	650	09-Jul
PX04	85 191	29.70	41.6	28.2	0.0	0.00	133.1	17.5	0.0	0.0	650	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	85	192	29.30	41.7	28.0	0.0	0.00	107.4	18.0	0.0	0.0	650	11-Jul
PX04	85	193	28.40	40.9	28.5	0.0	0.00	110.2	17.7	0.0	0.0	650	12-Jul
PX04	85	194	22.80	40.2	26.5	0.0	0.00	123.7	17.8	0.0	0.0	650	13-Jul
PX04	85	195	27.70	40.9	29.8	0.0	0.00	147.6	18.1	0.0	0.0	650	14-Jul
PX04	85	196	29.20	39.3	28.1	23.0	0.00	185.1	19.5	0.0	0.0	650	15-Jul
PX04	85	197	26.20	34.4	23.1	0.0	0.00	97.8	23.5	0.0	0.0	650	16-Jul
PX04	85	198	30.30	37.8	26.1	0.0	0.00	168.8	21.7	0.0	0.0	650	17-Jul
PX04	85	199	18.30	31.1	23.4	5.0	0.00	110.3	22.6	0.0	0.0	650	18-Jul
PX04	85	200	19.20	32.9	25.1	0.0	0.00	129.1	22.0	0.0	0.0	650	19-Jul
PX04	85	201	28.80	35.6	26.1	0.0	0.00	91.9	22.0	0.0	0.0	650	20-Jul
PX04	85	202	30.80	37.0	26.1	0.0	0.00	127.3	20.8	0.0	0.0	650	21-Jul
PX04	85	203	30.80	37.9	27.3	0.0	0.00	133.5	19.3	0.0	0.0	650	22-Jul
PX04	85	204	31.20	38.4	25.1	0.0	0.00	107.5	18.7	0.0	0.0	650	23-Jul
PX04	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	650	24-Jul
PX04	85	206	30.80	40.4	24.9	0.0	0.00	135.7	12.2	0.0	0.0	650	25-Jul
PX04	85	207	30.60	38.1	22.4	0.0	0.00	125.5	16.4	0.0	0.0	650	26-Jul
PX04	85	208	22.00	37.5	29.3	0.0	0.00	235.4	17.2	0.0	0.0	650	27-Jul
PX04	85	209	25.60	36.6	28.1	0.0	0.00	171.5	20.2	0.0	0.0	650	28-Jul
PX04	85	210	25.70	37.4	27.7	0.0	0.00	123.4	21.0	0.0	0.0	650	29-Jul
PX04	85	211	30.00	40.1	27.8	0.0	0.00	114.3	20.6	0.0	0.0	650	30-Jul
PX04	85	212	29.90	42.8	26.8	0.0	0.00	117.6	16.1	0.0	0.0	650	31-Jul
PX04	85	213	18.60	38.0	27.6	0.0	0.00	167.2	19.8	0.0	0.0	650	01-Aug
PX04	85	214	24.80	36.7	26.4	0.0	0.00	145.1	21.5	0.0	0.0	650	02-Aug
PX04	85	215	28.50	37.1	25.5	0.0	0.00	86.6	22.0	0.0	0.0	650	03-Aug
PX04	85	216	29.60	37.7	26.7	0.0	0.00	116.4	19.8	0.0	0.0	650	04-Aug
PX04	85	217	28.50	38.4	24.6	0.0	0.00	108.4	15.8	0.0	0.0	650	05-Aug
PX04	85	218	28.80	38.4	23.5	0.0	0.00	110.5	18.4	0.0	0.0	650	06-Aug
PX04	85	219	26.50	37.6	28.3	0.0	0.00	139.5	19.9	0.0	0.0	650	07-Aug
PX04	85	220	28.50	34.7	26.3	0.0	0.00	110.9	19.5	0.0	0.0	650	08-Aug
PX04	85	221	29.50	37.7	22.1	0.0	0.00	121.6	17.8	0.0	0.0	650	09-Aug
PX04	85	222	29.00	38.3	24.0	0.0	0.00	160.3	17.0	0.0	0.0	650	10-Aug
PX04	85	223	26.80	37.8	28.0	0.0	0.00	197.5	20.1	0.0	0.0	650	11-Aug
PX04	85	224	29.40	37.9	24.4	0.0	0.00	168.4	14.9	0.0	0.0	650	12-Aug
PX04	85	225	29.40	40.1	22.5	0.0	0.00	178.5	13.2	0.0	0.0	650	13-Aug
PX04	85	226	30.10	41.7	20.1	0.0	0.00	176.8	9.2	0.0	0.0	650	14-Aug
PX04	85	227	29.10	41.9	18.8	0.0	0.00	174.9	8.6	0.0	0.0	650	15-Aug
PX04	85	228	28.50	39.5	20.2	0.0	0.00	189.7	12.6	0.0	0.0	650	16-Aug
PX04	85	229	19.30	37.6	24.3	0.0	0.00	191.4	15.3	0.0	0.0	650	17-Aug
PX04	85	230	27.20	40.1	25.4	0.0	0.00	210.5	17.3	0.0	0.0	650	18-Aug
PX04	85	231	27.40	40.8	27.0	0.0	0.00	228.7	18.7	0.0	0.0	650	19-Aug
PX04	85	232	20.20	34.3	23.1	21.0	0.00	112.9	22.8	0.0	0.0	650	20-Aug
PX04	85	233	27.30	38.3	24.6	0.0	0.00	65.3	22.6	0.0	0.0	650	21-Aug
PX04	85	234	26.90	42.4	25.6	0.0	0.00	61.9	20.6	0.0	0.0	650	22-Aug
PX04	85	235	27.80	41.8	24.1	0.0	0.00	75.1	19.2	0.0	0.0	650	23-Aug
PX04	85	236	24.10	42.9	25.2	0.0	0.00	128.9	17.3	0.0	0.0	650	24-Aug
PX04	85	237	22.20	42.9	28.9	0.0	0.00	162.1	18.5	0.0	0.0	650	25-Aug
PX04	85	238	25.00	41.3	28.7	0.0	0.00	201.6	18.9	0.0	0.0	650	26-Aug
PX04	85	239	24.80	43.4	28.3	0.0	0.00	196.6	20.5	0.0	0.0	650	27-Aug
PX04	85	240	26.20	45.0	26.3	0.0	0.00	175.3	19.0	0.0	0.0	650	28-Aug
PX04	85	241	25.80	46.2	28.7	0.0	0.00	173.0	18.0	0.0	0.0	650	29-Aug
PX04	85	242	26.60	43.7	27.5	0.0	0.00	222.5	18.5	0.0	0.0	650	30-Aug
PX04	85	243	26.10	40.5	26.6	6.0	0.00	227.0	19.9	0.0	0.0	650	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	85	244	23.40	36.6	24.6	0.0	0.00	96.8	21.4	0.0	0.0	650	01-Sep
PX04	85	245	25.20	39.9	24.7	0.0	0.00	114.9	19.2	0.0	0.0	650	02-Sep
PX04	85	246	23.60	40.2	25.6	0.0	0.00	160.4	14.9	0.0	0.0	650	03-Sep
PX04	85	247	21.60	36.9	22.4	0.0	0.00	176.5	11.8	0.0	0.0	650	04-Sep
PX04	85	248	23.40	34.6	18.8	0.0	0.00	98.3	11.1	0.0	0.0	650	05-Sep
PX04	85	249	19.40	33.4	19.1	0.0	0.00	132.7	13.8	0.0	0.0	650	06-Sep
PX04	85	250	26.10	34.5	19.1	0.0	0.00	101.3	13.3	0.0	0.0	650	07-Sep
PX04	85	251	24.90	36.4	18.6	0.0	0.00	115.3	11.1	0.0	0.0	650	08-Sep
PX04	85	252	16.00	33.1	20.2	0.0	0.00	78.9	11.0	0.0	0.0	650	09-Sep
PX04	85	253	13.80	34.5	21.5	0.0	0.00	83.2	12.2	0.0	0.0	650	10-Sep
PX04	85	254	24.10	33.3	16.7	0.0	0.00	189.4	12.5	0.0	0.0	650	11-Sep
PX04	85	255	25.10	35.7	12.6	0.0	0.00	54.0	5.4	0.0	0.0	650	12-Sep
PX04	85	256	24.80	38.2	13.7	0.0	0.00	77.7	8.8	0.0	0.0	650	13-Sep
PX04	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.1	0.0	0.0	650	14-Sep
PX04	85	258	17.00	39.8	24.2	0.0	0.00	107.0	16.3	0.0	0.0	650	15-Sep
PX04	85	259	16.50	40.9	21.8	0.0	0.00	91.6	12.1	0.0	0.0	650	16-Sep
PX04	85	260	24.10	40.2	21.6	0.0	0.00	150.9	12.2	0.0	0.0	650	17-Sep
PX04	85	261	11.90	27.5	19.1	17.0	0.00	145.6	13.1	0.0	0.0	650	18-Sep
PX04	85	262	23.60	30.4	15.6	1.0	0.00	99.1	14.1	0.0	0.0	650	19-Sep
PX04	85	263	23.30	30.9	14.6	0.0	0.00	57.6	13.3	0.0	0.0	650	20-Sep
PX04	85	264	23.60	32.9	14.9	0.0	0.00	48.5	13.1	0.0	0.0	650	21-Sep
PX04	85	265	23.50	34.5	16.9	0.0	0.00	101.0	12.9	0.0	0.0	650	22-Sep
PX04	85	266	19.50	35.7	17.6	0.0	0.00	75.0	12.7	0.0	0.0	650	23-Sep
PX04	85	267	22.90	38.2	16.7	0.0	0.00	72.3	11.4	0.0	0.0	650	24-Sep
PX04	85	268	21.20	37.3	17.6	0.0	0.00	89.7	12.0	0.0	0.0	650	25-Sep
PX04	85	269	21.80	38.3	18.5	5.0	0.00	108.8	12.9	0.0	0.0	650	26-Sep
PX04	85	270	18.50	33.5	20.1	1.0	0.00	169.8	15.9	0.0	0.0	650	27-Sep
PX04	85	271	15.00	29.9	20.3	0.0	0.00	170.0	16.3	0.0	0.0	650	28-Sep
PX04	85	272	21.90	32.3	16.3	0.0	0.00	73.8	15.0	0.0	0.0	650	29-Sep
PX04	85	273	16.90	33.3	18.4	0.0	0.00	60.2	13.4	0.0	0.0	650	30-Sep
PX04	85	274	20.90	34.7	15.9	0.0	0.00	60.5	11.5	0.0	0.0	650	01-Oct
PX04	85	275	20.80	34.4	18.4	0.0	0.00	76.1	13.0	0.0	0.0	650	02-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC						CO2YR	WINDYR
PX15	33.40	112.00	2.30	0	1	1	0	1	650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	85	94	26.21	32.0	12.2	0.0	0.00	164.2	2.1	0.0	0.0	350	04-Apr
PX15	85	95	26.37	29.1	11.0	0.0	0.00	276.5	1.3	0.0	0.0	350	05-Apr
PX15	85	96	25.00	30.6	12.4	0.0	0.00	164.2	-3.3	0.0	0.0	350	06-Apr
PX15	85	97	27.14	34.6	13.8	0.0	0.00	276.5	-5.0	0.0	0.0	350	07-Apr
PX15	85	98	24.85	35.7	15.1	0.0	0.00	164.2	-6.0	0.0	0.0	350	08-Apr
PX15	85	99	26.51	33.5	17.2	0.0	0.00	236.5	-1.2	0.0	0.0	350	09-Apr
PX15	85	100	26.91	33.2	17.4	0.0	0.00	150.6	3.2	0.0	0.0	350	10-Apr
PX15	85	101	27.91	34.3	13.5	0.0	0.00	152.3	6.1	0.0	0.0	650	11-Apr
PX15	85	102	27.79	34.8	12.9	0.0	0.00	141.9	6.4	0.0	0.0	650	12-Apr
PX15	85	103	25.67	33.2	13.1	0.0	0.00	131.4	5.9	0.0	0.0	650	13-Apr
PX15	85	104	24.98	24.8	12.4	0.0	0.00	160.9	2.5	0.0	0.0	650	14-Apr
PX15	85	105	24.60	30.2	11.9	0.0	0.00	178.8	0.2	0.0	0.0	650	15-Apr
PX15	85	106	23.42	39.0	17.6	0.0	0.00	164.2	-0.0	0.0	0.0	650	16-Apr
PX15	85	107	24.54	36.2	21.8	0.0	0.00	276.5	1.1	0.0	0.0	650	17-Apr
PX15	85	108	25.31	25.5	12.8	0.0	0.00	250.6	1.7	0.0	0.0	650	18-Apr
PX15	85	109	28.01	29.4	10.6	0.0	0.00	112.3	4.5	0.0	0.0	650	19-Apr
PX15	85	110	21.55	29.7	12.8	0.0	0.00	241.9	3.0	0.0	0.0	650	20-Apr
PX15	85	111	12.79	24.5	15.6	0.0	0.00	181.4	2.1	0.0	0.0	650	21-Apr
PX15	85	112	27.99	27.6	11.2	0.0	0.00	120.9	2.9	0.0	0.0	650	22-Apr
PX15	85	113	29.60	32.6	15.3	0.0	0.00	78.8	3.6	0.0	0.0	650	23-Apr
PX15	85	114	29.00	35.4	14.5	0.0	0.00	105.4	2.5	0.0	0.0	650	24-Apr
PX15	85	115	29.60	31.2	17.4	0.0	0.00	228.7	1.3	0.0	0.0	650	25-Apr
PX15	85	116	22.60	21.4	12.3	0.0	0.00	204.4	1.7	0.0	0.0	650	26-Apr
PX15	85	117	12.50	22.1	10.9	0.0	0.00	128.8	6.2	0.0	0.0	650	27-Apr
PX15	85	118	21.50	23.2	11.9	3.0	0.00	86.8	9.8	0.0	0.0	650	28-Apr
PX15	85	119	29.20	30.6	11.0	0.0	0.00	87.8	10.7	0.0	0.0	650	29-Apr
PX15	85	120	27.80	38.1	16.3	0.0	0.00	88.5	9.7	0.0	0.0	650	30-Apr
PX15	85	121	27.80	39.8	20.3	0.0	0.00	141.0	8.8	0.0	0.0	650	01-May
PX15	85	122	27.30	39.4	22.1	0.0	0.00	115.7	10.0	0.0	0.0	650	02-May
PX15	85	123	28.80	40.1	23.5	23.4	0.00	123.3	8.8	0.0	0.0	650	03-May
PX15	85	124	30.50	38.7	20.5	0.0	0.00	148.3	6.4	0.0	0.0	650	04-May
PX15	85	125	25.10	37.0	18.1	0.0	0.00	118.0	5.0	0.0	0.0	650	05-May
PX15	85	126	30.60	37.3	17.7	0.0	0.00	118.9	5.4	0.0	0.0	650	06-May
PX15	85	127	22.90	36.9	17.5	0.0	0.00	59.5	6.1	0.0	0.0	650	07-May
PX15	85	128	28.00	39.9	17.6	0.0	0.00	75.3	5.0	0.0	0.0	650	08-May
PX15	85	129	19.70	39.4	22.1	0.0	0.00	178.3	4.5	0.0	0.0	650	09-May
PX15	85	130	31.70	28.8	19.3	0.0	0.00	236.4	3.4	0.0	0.0	650	10-May
PX15	85	131	30.90	31.2	14.2	0.0	0.00	100.8	2.7	0.0	0.0	650	11-May
PX15	85	132	31.10	32.1	14.8	0.0	0.00	89.9	3.4	0.0	0.0	650	12-May
PX15	85	133	31.40	35.1	15.5	0.0	0.00	73.5	3.6	0.0	0.0	650	13-May
PX15	85	134	31.80	36.6	16.0	0.0	0.00	63.6	-3.3	0.0	0.0	650	14-May
PX15	85	135	27.40	39.6	17.5	0.0	0.00	133.5	-0.0	0.0	0.0	650	15-May
PX15	85	136	20.10	37.3	25.1	0.0	0.00	145.7	5.0	0.0	0.0	650	16-May
PX15	85	137	31.00	39.6	21.6	0.0	0.00	96.6	8.2	0.0	0.0	650	17-May
PX15	85	138	31.40	40.7	22.1	0.0	0.00	147.2	7.0	0.0	0.0	650	18-May
PX15	85	139	32.30	37.7	20.7	0.0	0.00	179.5	2.7	0.0	0.0	650	19-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	85	140	31.80	38.2	20.2	0.0	0.00	179.7	4.8	0.0	0.0	650	20-May
PX15	85	141	31.50	37.1	20.5	0.0	0.00	133.5	7.4	0.0	0.0	650	21-May
PX15	85	142	30.50	40.0	19.2	0.0	0.00	110.3	9.5	0.0	0.0	650	22-May
PX15	85	143	22.70	39.2	20.4	0.0	0.00	122.7	11.6	0.0	0.0	650	23-May
PX15	85	144	28.90	41.3	21.3	0.0	0.00	156.4	9.0	0.0	0.0	650	24-May
PX15	85	145	32.10	39.8	21.9	0.0	0.00	172.2	8.4	0.0	0.0	650	25-May
PX15	85	146	32.40	39.6	19.8	0.0	0.00	179.1	7.3	0.0	0.0	650	26-May
PX15	85	147	31.60	39.4	21.6	0.0	0.00	142.1	7.5	0.0	0.0	650	27-May
PX15	85	148	32.40	40.7	20.3	0.0	0.00	109.7	8.4	0.0	0.0	650	28-May
PX15	85	149	26.90	40.0	23.7	0.0	0.00	89.5	10.1	0.0	0.0	650	29-May
PX15	85	150	20.00	36.4	24.5	0.0	0.00	88.1	12.1	0.0	0.0	650	30-May
PX15	85	151	32.60	36.7	20.9	0.0	0.00	182.4	8.4	0.0	0.0	650	31-May
PX15	85	152	31.70	35.2	18.7	0.0	0.00	100.8	5.6	0.0	0.0	650	01-Jun
PX15	85	153	32.00	37.2	19.0	0.0	0.00	137.8	4.5	0.0	0.0	650	02-Jun
PX15	85	154	31.30	34.3	19.7	0.0	0.00	149.8	5.9	0.0	0.0	650	03-Jun
PX15	85	155	31.70	36.5	16.8	0.0	0.00	118.9	6.2	0.0	0.0	650	04-Jun
PX15	85	156	31.30	39.4	20.8	0.0	0.00	121.9	9.0	0.0	0.0	650	05-Jun
PX15	85	157	30.90	44.1	21.9	0.0	0.00	96.6	9.5	0.0	0.0	650	06-Jun
PX15	85	158	25.90	47.6	24.8	0.0	0.00	86.8	9.9	0.0	0.0	650	07-Jun
PX15	85	159	31.50	44.9	25.6	0.0	0.00	195.8	11.0	0.0	0.0	650	08-Jun
PX15	85	160	31.30	45.3	24.7	0.0	0.00	179.0	10.4	0.0	0.0	650	09-Jun
PX15	85	161	32.10	43.3	25.2	0.0	0.00	224.1	11.0	0.0	0.0	650	10-Jun
PX15	85	162	31.30	41.7	25.0	0.0	0.00	199.9	12.1	0.0	0.0	650	11-Jun
PX15	85	163	31.10	43.9	26.2	0.0	0.00	222.0	12.3	0.0	0.0	650	12-Jun
PX15	85	164	31.50	44.1	26.1	0.0	0.00	201.4	10.3	0.0	0.0	650	13-Jun
PX15	85	165	30.40	42.2	24.3	0.0	0.00	167.3	9.7	0.0	0.0	650	14-Jun
PX15	85	166	32.00	43.6	22.8	0.0	0.00	90.5	9.4	0.0	0.0	650	15-Jun
PX15	85	167	32.00	44.5	23.9	0.0	0.00	87.3	9.5	0.0	0.0	650	16-Jun
PX15	85	168	31.70	45.0	23.7	0.0	0.00	85.1	8.1	0.0	0.0	650	17-Jun
PX15	85	169	31.30	45.5	24.4	0.0	0.00	116.3	8.0	0.0	0.0	650	18-Jun
PX15	85	170	27.10	43.8	26.3	0.0	0.00	91.6	11.0	0.0	0.0	650	19-Jun
PX15	85	171	30.10	42.3	28.4	0.0	0.00	118.6	14.1	0.0	0.0	650	20-Jun
PX15	85	172	31.10	38.6	25.2	0.0	0.00	100.7	11.0	0.0	0.0	650	21-Jun
PX15	85	173	27.70	39.4	23.9	0.0	0.00	136.2	12.2	0.0	0.0	650	22-Jun
PX15	85	174	21.10	40.0	25.5	0.0	0.00	71.4	13.1	0.0	0.0	650	23-Jun
PX15	85	175	12.90	36.8	27.5	0.0	0.00	126.3	12.1	0.0	0.0	650	24-Jun
PX15	85	176	31.20	36.7	21.7	0.0	0.00	97.5	9.8	0.0	0.0	650	25-Jun
PX15	85	177	32.60	39.5	22.9	0.0	0.00	103.2	6.1	0.0	0.0	650	26-Jun
PX15	85	178	32.10	43.2	18.9	0.0	0.00	62.1	5.8	0.0	0.0	650	27-Jun
PX15	85	179	31.80	40.9	22.3	0.0	0.00	91.1	8.9	0.0	0.0	650	28-Jun
PX15	85	180	28.80	40.8	23.3	0.0	0.00	118.9	9.7	0.0	0.0	650	29-Jun
PX15	85	181	30.70	41.7	22.9	0.0	0.00	105.3	10.6	0.0	0.0	650	30-Jun
PX15	85	182	30.50	43.9	23.2	0.0	0.00	141.0	9.8	0.0	0.0	650	01-Jul
PX15	85	183	31.60	44.3	24.9	0.0	0.00	146.3	8.6	0.0	0.0	650	02-Jul
PX15	85	184	30.98	42.9	26.2	0.0	0.00	81.4	10.3	0.0	0.0	650	03-Jul
PX15	85	185	30.49	38.8	26.8	0.0	0.00	96.5	13.1	0.0	0.0	650	04-Jul
PX15	85	186	29.52	40.7	27.4	0.0	0.00	111.4	15.4	0.0	0.0	650	05-Jul
PX15	85	187	29.40	39.0	26.7	0.0	0.00	125.6	19.7	0.0	0.0	650	06-Jul
PX15	85	188	28.20	41.6	28.1	0.0	0.00	136.1	18.6	0.0	0.0	650	07-Jul
PX15	85	189	26.30	42.6	29.2	0.0	0.00	142.8	18.0	0.0	0.0	650	08-Jul
PX15	85	190	29.40	39.8	31.2	0.0	0.00	146.2	18.9	0.0	0.0	650	09-Jul
PX15	85	191	29.70	40.4	28.4	0.0	0.00	133.1	18.4	0.0	0.0	650	10-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	85	192	29.30	41.4	28.2	0.0	0.00	107.4	18.7	0.0	0.0	650	11-Jul
PX15	85	193	28.40	42.3	29.9	0.0	0.00	110.2	17.2	0.0	0.0	650	12-Jul
PX15	85	194	22.80	40.8	27.8	0.0	0.00	123.7	17.7	0.0	0.0	650	13-Jul
PX15	85	195	27.70	40.0	30.6	0.0	0.00	147.6	19.0	0.0	0.0	650	14-Jul
PX15	85	196	29.20	40.7	27.9	23.0	0.00	185.1	21.7	0.0	0.0	650	15-Jul
PX15	85	197	26.20	35.4	23.1	0.0	0.00	97.8	23.9	0.0	0.0	650	16-Jul
PX15	85	198	30.30	37.0	26.6	0.0	0.00	168.8	22.3	0.0	0.0	650	17-Jul
PX15	85	199	18.30	30.8	23.3	5.0	0.00	110.3	22.8	0.0	0.0	650	18-Jul
PX15	85	200	19.20	33.3	25.0	0.0	0.00	129.1	22.2	0.0	0.0	650	19-Jul
PX15	85	201	28.80	36.4	24.5	0.0	0.00	91.9	22.2	0.0	0.0	650	20-Jul
PX15	85	202	30.80	37.0	25.8	0.0	0.00	127.3	21.2	0.0	0.0	650	21-Jul
PX15	85	203	30.80	37.7	27.7	0.0	0.00	133.5	19.3	0.0	0.0	650	22-Jul
PX15	85	204	31.20	38.1	25.5	0.0	0.00	107.5	18.5	0.0	0.0	650	23-Jul
PX15	85	205	30.39	39.7	25.3	0.0	0.00	89.8	10.9	0.0	0.0	650	24-Jul
PX15	85	206	30.80	38.1	23.3	0.0	0.00	135.7	13.9	0.0	0.0	650	25-Jul
PX15	85	207	30.60	38.3	22.6	0.0	0.00	125.5	17.2	0.0	0.0	650	26-Jul
PX15	85	208	22.00	38.3	29.9	0.0	0.00	235.4	17.6	0.0	0.0	650	27-Jul
PX15	85	209	25.60	36.2	28.0	0.0	0.00	171.5	20.6	0.0	0.0	650	28-Jul
PX15	85	210	25.70	37.5	27.7	0.0	0.00	123.4	21.5	0.0	0.0	650	29-Jul
PX15	85	211	30.00	39.5	27.9	0.0	0.00	114.3	20.9	0.0	0.0	650	30-Jul
PX15	85	212	29.90	41.2	26.7	0.0	0.00	117.6	18.0	0.0	0.0	650	31-Jul
PX15	85	213	18.60	36.5	27.9	0.0	0.00	167.2	21.2	0.0	0.0	650	01-Aug
PX15	85	214	24.80	36.1	26.6	0.0	0.00	145.1	22.5	0.0	0.0	650	02-Aug
PX15	85	215	28.50	37.0	26.3	0.0	0.00	86.6	23.1	0.0	0.0	650	03-Aug
PX15	85	216	29.60	38.1	27.3	0.0	0.00	116.4	21.3	0.0	0.0	650	04-Aug
PX15	85	217	28.50	39.2	24.6	0.0	0.00	108.4	18.5	0.0	0.0	650	05-Aug
PX15	85	218	28.80	38.3	23.7	0.0	0.00	110.5	18.7	0.0	0.0	650	06-Aug
PX15	85	219	26.50	37.1	28.2	0.0	0.00	139.5	19.9	0.0	0.0	650	07-Aug
PX15	85	220	28.50	39.6	26.6	0.0	0.00	110.9	20.0	0.0	0.0	650	08-Aug
PX15	85	221	29.50	37.7	24.9	0.0	0.00	121.6	18.0	0.0	0.0	650	09-Aug
PX15	85	222	29.00	37.4	24.7	0.0	0.00	160.3	16.8	0.0	0.0	650	10-Aug
PX15	85	223	26.80	37.4	27.7	0.0	0.00	197.5	20.6	0.0	0.0	650	11-Aug
PX15	85	224	29.40	37.1	24.3	0.0	0.00	168.4	15.2	0.0	0.0	650	12-Aug
PX15	85	225	29.40	38.4	22.9	0.0	0.00	178.5	15.0	0.0	0.0	650	13-Aug
PX15	85	226	30.10	40.0	20.5	0.0	0.00	176.8	10.6	0.0	0.0	650	14-Aug
PX15	85	227	29.10	39.8	19.6	0.0	0.00	174.9	9.8	0.0	0.0	650	15-Aug
PX15	85	228	28.50	38.3	21.5	0.0	0.00	189.7	13.1	0.0	0.0	650	16-Aug
PX15	85	229	19.30	37.2	24.3	0.0	0.00	191.4	15.9	0.0	0.0	650	17-Aug
PX15	85	230	27.20	39.0	24.5	0.0	0.00	210.5	18.5	0.0	0.0	650	18-Aug
PX15	85	231	27.40	39.1	26.9	0.0	0.00	228.7	19.2	0.0	0.0	650	19-Aug
PX15	85	232	20.20	34.0	23.2	21.0	0.00	112.9	22.6	0.0	0.0	650	20-Aug
PX15	85	233	27.30	35.8	24.7	0.0	0.00	65.3	23.2	0.0	0.0	650	21-Aug
PX15	85	234	26.90	39.4	22.7	0.0	0.00	61.9	21.9	0.0	0.0	650	22-Aug
PX15	85	235	27.80	38.4	22.4	0.0	0.00	75.1	20.8	0.0	0.0	650	23-Aug
PX15	85	236	24.10	40.8	21.1	0.0	0.00	128.9	19.3	0.0	0.0	650	24-Aug
PX15	85	237	22.20	42.0	27.2	0.0	0.00	162.1	19.4	0.0	0.0	650	25-Aug
PX15	85	238	25.00	39.7	28.4	0.0	0.00	201.6	19.6	0.0	0.0	650	26-Aug
PX15	85	239	24.80	42.2	28.6	0.0	0.00	196.6	21.0	0.0	0.0	650	27-Aug
PX15	85	240	26.20	43.2	26.1	0.0	0.00	175.3	19.9	0.0	0.0	650	28-Aug
PX15	85	241	25.80	44.1	29.3	0.0	0.00	173.0	18.8	0.0	0.0	650	29-Aug
PX15	85	242	26.60	41.5	27.5	0.0	0.00	222.5	19.2	0.0	0.0	650	30-Aug
PX15	85	243	26.10	39.6	27.3	6.0	0.00	227.0	20.2	0.0	0.0	650	31-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	85	244	23.40	36.3	24.0	0.0	0.00	96.8	21.5	0.0	0.0	650	01-Sep
PX15	85	245	25.20	38.4	25.8	0.0	0.00	114.9	20.3	0.0	0.0	650	02-Sep
PX15	85	246	23.60	39.2	24.7	0.0	0.00	160.4	17.2	0.0	0.0	650	03-Sep
PX15	85	247	21.60	36.5	22.3	0.0	0.00	176.5	13.8	0.0	0.0	650	04-Sep
PX15	85	248	23.40	34.3	19.1	0.0	0.00	98.3	13.1	0.0	0.0	650	05-Sep
PX15	85	249	19.40	32.8	17.4	0.0	0.00	132.7	16.2	0.0	0.0	650	06-Sep
PX15	85	250	26.10	32.2	14.7	0.0	0.00	101.3	16.9	0.0	0.0	650	07-Sep
PX15	85	251	24.90	35.9	19.5	0.0	0.00	115.3	14.2	0.0	0.0	650	08-Sep
PX15	85	252	16.00	32.8	21.2	0.0	0.00	78.9	12.6	0.0	0.0	650	09-Sep
PX15	85	253	13.80	34.5	22.5	0.0	0.00	83.2	12.9	0.0	0.0	650	10-Sep
PX15	85	254	24.10	33.1	16.7	0.0	0.00	189.4	13.8	0.0	0.0	650	11-Sep
PX15	85	255	25.10	35.8	12.6	0.0	0.00	54.0	7.0	0.0	0.0	650	12-Sep
PX15	85	256	24.80	37.4	14.3	0.0	0.00	77.7	9.9	0.0	0.0	650	13-Sep
PX15	85	257	22.40	47.1	20.3	0.0	0.00	73.5	13.0	0.0	0.0	650	14-Sep
PX15	85	258	17.00	38.9	24.2	0.0	0.00	107.0	17.1	0.0	0.0	650	15-Sep
PX15	85	259	16.50	39.4	23.3	0.0	0.00	91.6	13.5	0.0	0.0	650	16-Sep
PX15	85	260	24.10	39.2	22.2	0.0	0.00	150.9	13.7	0.0	0.0	650	17-Sep
PX15	85	261	11.90	27.4	16.6	17.0	0.00	145.6	16.0	0.0	0.0	650	18-Sep
PX15	85	262	23.60	31.2	15.6	1.0	0.00	99.1	14.6	0.0	0.0	650	19-Sep
PX15	85	263	23.30	30.8	14.9	0.0	0.00	57.6	13.3	0.0	0.0	650	20-Sep
PX15	85	264	23.60	33.5	15.4	0.0	0.00	48.5	13.1	0.0	0.0	650	21-Sep
PX15	85	265	23.50	34.6	17.6	0.0	0.00	101.0	13.5	0.0	0.0	650	22-Sep
PX15	85	266	19.50	35.8	19.1	0.0	0.00	75.0	13.1	0.0	0.0	650	23-Sep
PX15	85	267	22.90	37.3	17.8	0.0	0.00	72.3	12.2	0.0	0.0	650	24-Sep
PX15	85	268	21.20	36.9	18.7	0.0	0.00	89.7	12.6	0.0	0.0	650	25-Sep
PX15	85	269	21.80	37.8	19.4	5.0	0.00	108.8	13.5	0.0	0.0	650	26-Sep
PX15	85	270	18.50	32.9	20.1	1.0	0.00	169.8	16.5	0.0	0.0	650	27-Sep
PX15	85	271	15.00	28.8	20.4	0.0	0.00	170.0	16.4	0.0	0.0	650	28-Sep
PX15	85	272	21.90	32.4	16.6	0.0	0.00	73.8	15.5	0.0	0.0	650	29-Sep
PX15	85	273	16.90	33.0	19.1	0.0	0.00	60.2	14.0	0.0	0.0	650	30-Sep
PX15	85	274	20.90	34.5	15.9	0.0	0.00	60.5	12.2	0.0	0.0	650	01-Oct
PX15	85	275	20.80	34.5	19.6	0.0	0.00	76.1	13.5	0.0	0.0	650	02-Oct

IDUMSL	PEDON			TAXON						
01	-9	AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.								

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.172	0.298	0.379	0.298	0.100	1.47	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK		SILT		SCOND						
	SAND		CLAY		CATEXC	ALPHA	XN	VGTHS	VGTHR	
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043	
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042	
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041	
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041	
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042	
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042	
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042	
0.0	36.2	35.1	28.8	7.3	385.0	3.380	1.184	0.379	0.042	
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043	
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043	

DATAID
AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

LYRSOL
1

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.19E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM GH2OC
6   0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM GH2OC
6   0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM GH2OC
6   0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
                                        WITH GRAVEL LAYER (PLOTS 13-16)

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.086	0.149	0.190	0.149	0.050	2.10	0.00	0.0	5.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK	SAND	SILT	CLAY	SCOND	CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042
50.0	18.1	17.6	14.4	3.7	193.0	3.380	1.184	0.190	0.021
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043

DATAID
AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

LYRSOL
3

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.10E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.09E-08	0.072	34.0	0.30E+02	0.22	0.13	0.11	0.015	2.90	2.10	1.00
0.18E-08	0.145	34.0	0.60E+02	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM	GH2OC
6	0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM	GH2OC
6	0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM	GH2OC
6	0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

FILENAME: PX088501.CT4   SOIL ORGANIC RESIDUE (ALL PLOTS)

ID	TRTNO	STRAW	SDEP	SCN	ROOT
PX088501	01	0.	10.	30.	1440.

FILENAME: PX088501.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE LOAM
                               (PLOTS 01-12)

TRTNO	ID
01	PX088501

DLAYR	SW	NH4	NO3	PH
5.	0.100	0.0	22.7	7.7
5.	0.150	0.0	22.7	7.7
10.	0.150	0.0	22.7	7.7
10.	0.150	0.0	15.0	7.7
20.	0.150	0.0	10.0	8.0
20.	0.150	0.0	10.0	8.0
30.	0.160	0.0	10.0	8.0
30.	0.180	0.0	10.0	8.0
30.	0.200	0.0	10.0	8.0
30.	0.220	0.0	10.0	8.0
-1.				

FILENAME: PX138501.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE LOAM
                               WITH GRAVEL LAYER AT 100 TO 130 CM. (PLOTS 13-16)

TRTNO	ID
01	PX138501

DLAYR	SW	NH4	NO3	PH
5.	0.100	0.0	22.7	7.7
5.	0.150	0.0	22.7	7.7
10.	0.150	0.0	22.7	7.7
10.	0.150	0.0	15.0	7.7
20.	0.150	0.0	10.0	8.0
20.	0.150	0.0	10.0	8.0
30.	0.160	0.0	10.0	8.0
30.	0.090	0.0	5.0	8.0
30.	0.200	0.0	10.0	8.0
30.	0.220	0.0	10.0	8.0
-1.				

TRTNO   ID
01 PX088501

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
101	47.	5	0.0	0.0	1.0	0.0
112	36.	5	0.0	0.0	1.0	0.0
114	23.	5	0.0	0.0	1.0	0.0
115	22.	5	0.0	0.0	1.0	0.0
144	10.	5	0.0	0.0	1.0	0.0
151	17.	5	0.0	0.0	1.0	0.0
158	7.	5	0.0	0.0	1.0	0.0
162	6.	5	0.0	0.0	1.0	0.0
165	21.	5	0.0	0.0	1.0	0.0
172	36.	5	0.0	0.0	1.0	0.0
179	46.	5	0.0	0.0	1.0	0.0
186	57.	5	0.0	0.0	1.0	0.0
192	50.	5	0.0	0.0	1.0	0.0
200	27.	5	0.0	0.0	1.0	0.0
207	49.	5	0.0	0.0	1.0	0.0
214	64.	5	0.0	0.0	1.0	0.0
221	42.	5	0.0	0.0	1.0	0.0
228	43.	5	0.0	0.0	1.0	0.0
235	26.	5	0.0	0.0	1.0	0.0
242	57.	5	0.0	0.0	1.0	0.0
249	67.	5	0.0	0.0	1.0	0.0
256	8.	5	0.0	0.0	1.0	0.0
263	18.	5	0.0	0.0	1.0	0.0

-1

TRTNO   ID
01 PX118501

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
101	53.	5	0.0	0.0	1.0	0.0
112	32.	5	0.0	0.0	1.0	0.0
114	26.	5	0.0	0.0	1.0	0.0
115	23.	5	0.0	0.0	1.0	0.0
144	10.	5	0.0	0.0	1.0	0.0
151	14.	5	0.0	0.0	1.0	0.0
158	7.	5	0.0	0.0	1.0	0.0
162	5.	5	0.0	0.0	1.0	0.0
165	17.	5	0.0	0.0	1.0	0.0
172	35.	5	0.0	0.0	1.0	0.0
179	47.	5	0.0	0.0	1.0	0.0
186	57.	5	0.0	0.0	1.0	0.0
192	51.	5	0.0	0.0	1.0	0.0
200	23.	5	0.0	0.0	1.0	0.0
207	44.	5	0.0	0.0	1.0	0.0
214	70.	5	0.0	0.0	1.0	0.0
221	36.	5	0.0	0.0	1.0	0.0
228	44.	5	0.0	0.0	1.0	0.0
235	25.	5	0.0	0.0	1.0	0.0
242	52.	5	0.0	0.0	1.0	0.0
249	74.	5	0.0	0.0	1.0	0.0
256	3.	5	0.0	0.0	1.0	0.0
263	16.	5	0.0	0.0	1.0	0.0
-1						

TRTNO   ID
01 PX018501

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
101	50.	5	0.0	0.0	1.0	0.0
112	24.	5	0.0	0.0	1.0	0.0
114	24.	5	0.0	0.0	1.0	0.0
115	21.	5	0.0	0.0	1.0	0.0
144	18.	5	0.0	0.0	1.0	0.0
151	25.	5	0.0	0.0	1.0	0.0
158	13.	5	0.0	0.0	1.0	0.0
162	7.	5	0.0	0.0	1.0	0.0
165	34.	5	0.0	0.0	1.0	0.0
172	65.	5	0.0	0.0	1.0	0.0
179	64.	5	0.0	0.0	1.0	0.0
186	86.	5	0.0	0.0	1.0	0.0
192	93.	5	0.0	0.0	1.0	0.0
200	40.	5	0.0	0.0	1.0	0.0
207	73.	5	0.0	0.0	1.0	0.0
214	90.	5	0.0	0.0	1.0	0.0
221	67.	5	0.0	0.0	1.0	0.0
228	64.	5	0.0	0.0	1.0	0.0
235	38.	5	0.0	0.0	1.0	0.0
242	74.	5	0.0	0.0	1.0	0.0
249	108.	5	0.0	0.0	1.0	0.0
256	24.	5	0.0	0.0	1.0	0.0
263	36.	5	0.0	0.0	1.0	0.0
-1						

TRTNO   ID
01 PX138501

JDIRR	AMTIRR IRRCOD	X1IRR Z1IRR	X2IRR	Z2IRR
101	49. 5	0.0	0.0	1.0	0.0
112	37. 5	0.0	0.0	1.0	0.0
114	26. 5	0.0	0.0	1.0	0.0
115	22. 5	0.0	0.0	1.0	0.0
144	20. 5	0.0	0.0	1.0	0.0
151	25. 5	0.0	0.0	1.0	0.0
158	12. 5	0.0	0.0	1.0	0.0
162	8. 5	0.0	0.0	1.0	0.0
165	24. 5	0.0	0.0	1.0	0.0
172	48. 5	0.0	0.0	1.0	0.0
179	68. 5	0.0	0.0	1.0	0.0
186	84. 5	0.0	0.0	1.0	0.0
192	85. 5	0.0	0.0	1.0	0.0
200	57. 5	0.0	0.0	1.0	0.0
207	72. 5	0.0	0.0	1.0	0.0
214	91. 5	0.0	0.0	1.0	0.0
221	72. 5	0.0	0.0	1.0	0.0
228	72. 5	0.0	0.0	1.0	0.0
235	50. 5	0.0	0.0	1.0	0.0
242	79. 5	0.0	0.0	1.0	0.0
249	69. 5	0.0	0.0	1.0	0.0
256	54. 5	0.0	0.0	1.0	0.0
263	38. 5	0.0	0.0	1.0	0.0
-1					

TRTNO ID
01 PX088501

JDFERT	FERTN	DFERT	INTYPE	FERTP	IPTYPE	FERTK	IKTYPE	FERTIN	IITYPE	FERCOD	X1FERT	Z1FERT	X2FERT	Z2FERT
162	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
165	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
172	11.1	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
179	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
186	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
193	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
200	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
207	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
214	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
221	16.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
228	11.1	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
235	11.1	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0

-1

FILENAME: _PX088501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX088501	01	NO CHAMBER, IRRIGATION=DRY, REP=#1	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC		IIRR	EFFIRR		THETAC	
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL	IMERGE	
106	99	10.00	1.016	5.00 2 1	0.95 0.00		0.0 106	0 0 0 0

_____HISTORY_____

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX118501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX118501	01	NO CHAMBER, IRRIGATION=DRY, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC		IIRR	EFFIRR		THETAC	
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL	IMERGE	
106	99	10.00	1.016	5.00 2 1	0.95 0.00		0.0 106	0 0 0 0

_____HISTORY_____

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX018501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX018501	01	NO CHAMBER, IRRIGATION=WET, REP=#1	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC		IIRR	EFFIRR		THETAC	
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL	IMERGE	
106	99	10.00	1.016	5.00 2 1	0.95 0.00		0.0 106	0 0 0 0

_____HISTORY_____

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: <u>PX138501.CT8</u>   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX138501	01	NO CHAMBER, IRRIGATION=WET, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
	ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM		PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
106	99	10.00	1.016	5.00	2	1	0.95	0.00	0.0	106	0	0	0	0

<u>HISTORY</u>
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: <u>PX068501.CT8</u>   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX068501	01	CO2=AMBIENT, IRRIGATION=DRY, REP=#1	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
	ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM		PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
106	99	10.00	1.016	5.00	2	1	0.95	0.00	0.0	106	0	0	0	0

<u>HISTORY</u>
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: <u>PX128501.CT8</u>   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX128501	01	CO2=AMBIENT, IRRIGATION=DRY, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
	ISOW		ROWSPC	IIRR	EFFIRR	THETAC		
ISIM		PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓
106	99	10.00	1.016	5.00	2	1	0.95	0.00	0.0	106	0	0	0	0

<u>HISTORY</u>
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX038501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX038501	01	CO2=AMBIENT, IRRIGATION=WET, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC	│
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓

| 106 | 99 | 10.00 | 1.016 | 5.00 | 2 | 1 | 0.95 | 0.00 | 0.0 | 106 | 0 | 0 | 0 | 0 |

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX148501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX148501	01	CO2=AMBIENT, IRRIGATION=WET, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC	│
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓

| 106 | 99 | 10.00 | 1.016 | 5.00 | 2 | 1 | 0.95 | 0.00 | 0.0 | 106 | 0 | 0 | 0 | 0 |

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX058501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX058501	01	CO2=500ppm, IRRIGATION=DRY, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
ISOW		ROWSPC	IIRR	EFFIRR	THETAC	│
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	↓

| 106 | 99 | 10.00 | 1.016 | 5.00 | 2 | 1 | 0.95 | 0.00 | 0.0 | 106 | 0 | 0 | 0 | 0 |

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX108501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX108501	01	CO2-500ppm, IRRIGATION-DRY, REP-#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options		
ISOW		ROWSPC	IIRR EFFIRR	THETAC	
ISIM	PLANTS	SDEPTH ISWNIT	DSOIL	IMERGE	
106	99	10.00	1.016	5.00 2 1	0.95 0.00	0.0 106 0 0 0 0

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX028501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX028501	01	CO2-500ppm, IRRIGATION-WET, REP-#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options		
ISOW		ROWSPC	IIRR EFFIRR	THETAC	
ISIM	PLANTS	SDEPTH ISWNIT	DSOIL	IMERGE	
106	99	10.00	1.016	5.00 2 1	0.95 0.00	0.0 106 0 0 0 0

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: _PX168501.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX168501	01	CO2-500ppm, IRRIGATION-WET, REP-#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options		
ISOW		ROWSPC	IIRR EFFIRR	THETAC	
ISIM	PLANTS	SDEPTH ISWNIT	DSOIL	IMERGE	
106	99	10.00	1.016	5.00 2 1	0.95 0.00	0.0 106 0 0 0 0

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX078501.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX078501	01	CO2=650ppm, IRRIGATION=DRY, REP=#1	1	61

						(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
	ISOW		ROWSPC	IIRR	EFFIRR		THETAC			
ISIM		PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓
106	99	10.00	1.016	5.00	2	1	0.95	0.00	0.0 106	0 0 0 0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX098501.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX098501	01	CO2=650ppm, IRRIGATION=DRY, REP=#2	1	61

						(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
	ISOW		ROWSPC	IIRR	EFFIRR		THETAC			
ISIM		PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓
106	99	10.00	1.016	5.00	2	1	0.95	0.00	0.0 106	0 0 0 0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX048501.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX048501	01	CO2=650ppm, IRRIGATION=WET, REP=#1	1	61

						(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐				
	ISOW		ROWSPC	IIRR	EFFIRR		THETAC			
ISIM		PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓
106	99	10.00	1.016	5.00	2	1	0.95	0.00	0.0 106	0 0 0 0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX158501.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX158501	01	CO2=650ppm, IRRIGATION=WET, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐			
	ISOW	ROWSPC	IIRR	EFFIRR	THETAC		
ISIM	PLANTS	SDEPTH	ISWNIT	DSOIL	IMERGE	↓	
106 99	10.00	1.016 5.00	2 1	0.95 0.00	0.0 106	0 0	0 0

HISTORY
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX088501.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, DRY, REP #1)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX088501 01   1080.   1780.  0.0950    88.  21.   3.9  7370.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0   -9.0
```


FILENAME: PX118501.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, DRY, REP #2)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX118501 01   1190.   1940.  0.0920    94.  23.   2.1  7460.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0   -9.0
```


FILENAME: PX018501.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, WET, REP #1)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX018501 01   1320.   2390.  0.1090    94.  23.   4.5  8290.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0   -9.0
```


FILENAME: PX138501.CTA   FINAL HARVEST DATA FILE (NO CHAMBER, WET, REP #2)


```
   ID  TRTNO XLTYLD  XSDYLD   XSDWT    XBLSM XSPB XLAIMX XBIOM XSTMBR
PX138501 01   1370.   2440.  0.1010    96.  25.   5.5  8400.    -9.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0   -9.0
```

FILENAME: PX068501.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX068501	01	640.	1160.	0.0870	88.	20.	3.5	6430.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX128501.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX128501	01	690.	1200.	0.0890	75.	18.	2.3	6490.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX038501.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX038501	01	1620.	2860.	0.0950	121.	25.	5.6	10680.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX148501.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX148501	01	1630.	2870.	0.1090	116.	23.	7.6	11630.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX058501.CTA   FINAL HARVEST DATA FILE (CO2=500, DRY, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX058501	01	1080.	1910.	0.0900	102.	21.	5.0	9530.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX108501.CTA   FINAL HARVEST DATA FILE (CO2=500, DRY, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX108501	01	1120.	1960.	0.0910	114.	19.	3.8	10090.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX028501.CTA   FINAL HARVEST DATA FILE (CO2=500, WET, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX028501	01	2650.	4480.	0.1119	196.	21.	7.3	15710.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX168501.CTA   FINAL HARVEST DATA FILE (CO2=500, WET, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX168501	01	2130.	3800.	0.1070	165.	21.	6.5	15510.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX078501.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX078501	01	1510.	2530.	0.0990	140.	18.	3.8	10640.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX098501.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX098501	01	1230.	2260.	0.0970	96.	19.	5.2	11580.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX048501.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX048501	01	2510.	4400.	0.1098	194.	21.	9.9	16640.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX158501.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX158501	01	2540.	4230.	0.1050	180.	22.	9.1	16810.	-9.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX088501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (NO CHAMBER, DRY, REP #1)

          TRTNO   JSQRJD
     ID   JEMRGD   JFLRJD
PX088501 01 106   141   168

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM	JNMBLM		XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
133	-9.	0.03	-9	0	0	0	0	0	24.	7.	8.	0.	0.
141	-9.	0.07	-9	8	0	0	0	0	54.	17.	18.	0.	0.
157	23.	0.64	113	100	0	0	0	77	415.	210.	162.	0.	0.
171	39.	1.08	170	196	1	7	0	47	737.	812.	289.	17.	0.
186	48.	1.93	180	193	4	83	0	110	1228.	1228.	478.	709.	0.
199	49.	3.11	190	87	1	77	0	240	1992.	1286.	791.	1588.	0.
220	76.	3.91	262	417	1	95	43	285	2648.	2368.	969.	1569.	2310.
276	57.	-9.00	-9	-9	-9	10	88	-9	1743.	1063.	607.	196.	4092.
-1													

FILENAME: PX118501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (NO CHAMBER, DRY, REP #2)

          TRTNO   JSQRJD
     ID   JEMRGD   JFLRJD
PX118501 01 106   141   168

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM	JNMBLM		XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
133	-9.	0.02	-9	0	0	0	0	0	36.	5.	6.	0.	0.
141	-9.	0.09	-9	15	0	0	0	1	86.	27.	26.	0.	0.
157	24.	0.56	130	150	0	0	0	30	347.	235.	197.	0.	0.
171	39.	1.28	173	170	1	37	0	80	937.	767.	433.	169.	0.
186	42.	1.34	177	50	0	50	0	110	878.	480.	-9.	1127.	0.
199	47.	2.13	200	163	1	53	3	167	1081.	879.	482.	1863.	133.
220	54.	2.13	270	113	0	60	38	275	1683.	1111.	505.	1359.	1590.
276	56.	-9.00	-9	-9	-9	10	94	-9	1679.	1399.	589.	32.	4432.
-1													

FILENAME: PX018501.CTB   MEASURED INTERMEDIATE GROWTH DATA
(NO CHAMBER, WET, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX018501	01	106	141	164

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.02	-9	0	0	0	0	0	16.	5.	5.	0.	0.
141	-9.	0.06	-9	1	0	0	0	0	43.	14.	15.	0.	0.
157	17.	0.56	12	9	0	0	0	3	306.	148.	118.	0.	0.
171	38.	0.91	17	18	1	1	0	3	451.	734.	246.	1.	0.
186	51.	1.30	20	34	8	9	0	5	1342.	1322.	541.	680.	0.
199	54.	3.68	21	16	0	12	0	24	1791.	1347.	706.	1996.	0.
220	66.	4.48	29	25	0	18	3	51	3067.	2461.	875.	4731.	1719.
276	67.	-9.00	-9	-9	-9	25	94	-9	1239.	1691.	570.	456.	4939.

-1

FILENAME: PX138501.CTB   MEASURED INTERMEDIATE GROWTH DATA
(NO CHAMBER, WET, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX138501	01	106	141	164

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.03	-9	0	0	0	0	0	40.	6.	6.	0.	0.
141	-9.	0.09	-9	13	0	0	0	0	65.	22.	20.	0.	0.
157	32.	1.09	147	197	0	0	0	33	625.	440.	287.	0.	0.
171	45.	1.60	183	253	2	43	0	70	1072.	1047.	507.	184.	0.
186	49.	2.84	180	130	1	93	0	133	1608.	1176.	543.	1846.	0.
199	53.	5.54	223	110	0	130	0	287	1997.	1304.	526.	3241.	0.
220	68.	4.26	307	145	0	145	83	495	3726.	2309.	762.	3544.	4323.
276	57.	-9.00	-9	-9	-9	8	96	-9	1912.	1410.	535.	174.	4960.

-1

MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX068501 01	106	141	168

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.02	-9	0	0	0	0	0	18.	6.	5.	0.	0.
141	-9.	0.07	-9	9	0	0	0	0	49.	19.	16.	0.	0.
157	19.	0.38	123	70	0	0	0	47	241.	112.	96.	0.	0.
171	26.	0.46·	123	127	1	10	0	27	348.	474.	-9.	14.	0.
186	0.	0.75	167	73	0	10	0	57	523.	523.	917.	91.	0.
199	50.	2.37	216	237	1	40	0	173	1263.	1038.	474.	317.	0.
220	67.	3.49	280	287	2	90	15	280	1972.	2226.	747.	671.	617.
276	67.	-9.00	-9	-9	-9	10	88	-9	1524.	2189.	956.	123.	2671.

-1

MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX128501 01	106	141	168

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.02	-9	0	0	0	0	0	23.	6.	9.	0.	0.
141	-9.	0.06	-9	8	0	0	0	0	40.	14.	14.	0.	0.
157	19.	0.48	130	127	0	0	0	33	312.	175.	148.	0.	0.
171	30.	0.82	163	73	0	27	0	20	467.	329.	221.	84.	0.
186	27.	1.40	200	137	0	17	0	100	897.	506.	-9.	263.	0.
199	56.	2.26	240	217	1	53	0	180	1221.	1037.	373.	585.	0.
220	70.	1.90	280	45	0	110	3	508	2043.	1890.	978.	2950.	153.
276	67.	-9.00	-9	-9	-9	0	75	-9	1618.	2065.	883.	0.	2851.

-1

FILENAME: PX038501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (AMBIENT, WET, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX038501 01	106	139	168

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.01	-9	0	0	0	0	0	14.	5.	4.	0.	0.
141	-9.	0.06	-9	1	0	0	0	0	44.	16.	15.	0.	0.
157	22.	0.48	12	11	0	0	0	1	264.	145.	94.	0.	0.
171	36.	1.14	15	15	2	1	0	0	694.	675.	278.	32.	0.
186	43.	2.04	20	18	2	8	0	11	1187.	1187.	572.	735.	0.
199	68.	5.64	25	30	2	16	0	35	2779.	2410.	781.	2536.	0.
220	86.	5.18	29	21	2	20	4	46	2635.	3047.	845.	2304.	1581.
276	77.	-9.00	-9	-9	-9	10	121	-9	2086.	2419.	818.	225.	6031.
-1													

FILENAME: PX148501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (AMBIENT, WET, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX148501 01	106	139	168

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.02	-9	0	0	0	0	0	33.	4.	4.	0.	0.
141	-9.	0.07	-9	15	0	0	0	1	57.	19.	21.	0.	0.
157	27.	0.77	140	150	0	7	0	20	412.	265.	163.	16.	0.
171	40.	1.61	163	133	0	27	0	37	670.	566.	258.	114.	0.
186	49.	2.05	203	157	1	30	0	147	1167.	792.	340.	396.	0.
199	88.	7.58	273	377	0	57	0	267	2411.	2728.	718.	1098.	0.
220	86.	4.25	315	80	1	158	35	448	2797.	2435.	912.	3161.	1445.
276	78.	-9.00	-9	-9	-9	5	116	-9	2690.	2881.	875.	109.	6043.
-1													

FILENAME: PX058501.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=500, DRY, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX058501 01	106	139	164

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNFLWM	JNMBLM		XWLEFH		XWROTH		XWMBLH
			JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
133	-9.	0.04	-9	0	0	0	0	0	32.	9.	7.	0.	0.
141	-9.	0.11	-9	25	0	0	0	3	88.	40.	16.	0.	0.
157	29.	0.74	137	137	0	0	0	47	623.	356.	217.	0.	0.
171	35.	1.10	150	203	0	27	0	47	728.	1010.	-9.	79.	0.
186	39.	1.27	190	187	0	47	0	143	1061.	834.	775.	201.	0.
199	55.	2.23	220	220	0	50	0	210	1287.	1197.	641.	730.	0.
220	79.	5.04	295	378	1	255	18	688	3289.	4678.	1701.	2105.	716.
276	69.	-9.00	-9	-9	-9	2	102	-9	1785.	3334.	1580.	37.	4420.
-1													

FILENAME: PX108501.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=500, DRY, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX108501 01	106	139	164

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNFLWM	JNMBLM		XWLEFH		XWROTH		XWMBLH
			JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
133	-9.	0.03	-9	0	0	0	0	0	15.	9.	9.	0.	0.
141	-9.	0.08	-9	13	0	0	0	1	63.	23.	22.	0.	0.
157	30.	0.72	143	187	0	0	0	47	480.	372.	304.	0.	0.
171	37.	1.06	173	173	0	37	0	77	793.	719.	386.	122.	0.
186	45.	1.72	197	200	0	57	0	117	1099.	902.	-9.	579.	0.
199	72.	3.84	263	457	1	50	7	347	2188.	2539.	814.	604.	243.
220	86.	3.44	300	85	0	177	3	560	2250.	3106.	3106.	3755.	77.
276	66.	-9.00	-9	-9	-9	1	114	-9	1878.	3197.	1342.	32.	4432.
-1													

FILENAME: PX028501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=500, WET, REP #1)

                TRTNO   JSQRJD
      ID   JEMRGD   JFLRJD
PX028501 01   106   139   164

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.03	-9	0	0	0	0	0	27.	8.	8.	0.	0.
141	-9.	0.07	-9	1	0	0	0	0	55.	20.	19.	0.	0.
157	24.	0.59	12	10	0	0	0	3	408.	215.	141.	0.	0.
171	42.	1.52	17	18	1	1	0	4	924.	1151.	472.	0.	0.
186	0.	1.46	20	29	5	4	0	10	1120.	1178.	558.	265.	0.
199	74.	3.90	26	18	1	12	0	30	1890.	1833.	708.	2369.	0.
220	98.	7.29	31	29	4	45	1	52	3580.	4887.	1302.	5183.	491.
276	79.	-9.00	-9	-9	-9	11	196	-9	2436.	3584.	1194.	280.	9547.

-1

FILENAME: PX168501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=500, WET, REP #2)

                TRTNO   JSQRJD
      ID   JEMRGD   JFLRJD
PX168501 01   106   139   164

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.02	-9	0	0	0	0	0	51.	6.	6.	0.	0.
141	-9.	0.08	-9	17	0	0	0	1	64.	21.	21.	0.	0.
157	35.	0.98	153	243	0	3	0	23	684.	579.	324.	11.	0.
171	54.	1.96	190	233	0	83	0	57	1279.	1283.	601.	520.	0.
186	65.	2.98	230	223	1	70	0	143	1474.	1437.	650.	1029.	0.
199	89.	5.19	267	413	1	106	0	280	2432.	2966.	857.	1805.	0.
220	115.	6.48	350	195	4	250	52	832	4182.	5818.	1493.	6783.	2343.
276	90.	-9.00	-9	-9	-9	10	165	-9	2990.	4206.	1372.	227.	8387.

-1

FILENAME: PX078501.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX078501	01	106	137	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.03	-9	0	0	0	0	0	36.	9.	8.	0.	0.
141	-9.	0.08	-9	16	0	0	0	0	57.	19.	18.	0.	0.
157	27.	0.73	137	143	0	0	0	30	609.	322.	209.	0.	0.
171	39.	1.41	177	347	1	30	0	87	1093.	1583.	-9.	70.	0.
186	0.	1.78	193	403	0	67	0	160	1487.	1487.	916.	355.	0.
199	62.	2.95	233	373	1	43	0	257	1617.	1796.	842.	413.	0.
220	82.	3.76	285	382	3	205	33	585	3400.	5007.	1767.	1763.	1218.
276	68.	-9.00	-9	-9	-9	2	140	-9	1712.	3022.	1438.	72.	5963.

-1

FILENAME: PX098501.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX098501	01	106	137	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.04	-9	0	0	0	0	0	22.	11.	9.	0.	0.
141	-9.	0.12	-9	16	0	0	0	1	94.	35.	31.	0.	0.
157	35.	0.83	150	153	0	0	0	33	688.	520.	407.	0.	0.
171	42.	1.22	167	307	0	77	0	113	841.	806.	467.	418.	0.
186	52.	2.02	203	283	0	13	0	203	1409.	1459.	-9.	290.	0.
199	74.	4.56	267	573	1	87	7	343	2595.	2995.	965.	1547.	275.
220	81.	5.23	288	48	0	230	10	882	3350.	1932.	1214.	6280.	329.
276	72.	-9.00	-9	-9	-9	7	96	-9	1912.	1410.	1573.	174.	4960.

-1

FILENAME: PX048501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                               (CO2=650, WET, REP #1)
          TRTNO   JSQRJD
    ID   JEMRGD   JFLRJD
PX048501 01 106   137   160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM JNSQRM	JNFLWM JNGBLM	JNMBLM JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.04	-9 0	0 0	0 0	38.	10.	10.	0.	0.
141	-9.	0.11	-9 2	0 0	0 0	90.	41.	18.	0.	0.
157	27.	0.85	13 14	0 0	0 7	610.	306.	203.	0.	0.
171	48.	1.44	16 16	3 3	0 5	1094.	1402.	677.	104.	0.
186	69.	3.36	22 57	1 11	0 21	2639.	2639.	1388.	490.	0.
199	74.	4.90	25 46	1 13	0 35	2470.	2914.	912.	1646.	0.
220	103.	9.93	31 52	5 37	5 88	5467.	7731.	1824.	4897.	2696.
276	78.	-9.00	-9 -9	-9 3	194 -9	2781.	4248.	1477.	74.	9667.
-1										

FILENAME: PX158501.CTB   MEASURED INTERMEDIATE GROWTH DATA
                               (CO2=650, WET, REP #2)
          TRTNO   JSQRJD
    ID   JEMRGD   JFLRJD
PX158501 01 106   137   160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM JNSQRM	JNFLWM JNGBLM	JNMBLM JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
133	-9.	0.04	-9 0	0 0	0 0	19.	9.	8.	0.	0.
141	-9.	0.09	-9 16	0 0	0 0	72.	22.	11.	0.	0.
157	37.	1.09	153 200	0 0	0 20	719.	541.	317.	0.	0.
171	52.	1.99	183 267	1 47	0 100	1257.	1341.	641.	113.	0.
186	75.	3.46	223 460	1 70	0 263	2020.	2559.	962.	1108.	0.
199	99.	9.12	297 727	7 236	10 537	4888.	6146.	1505.	4653.	461.
220	115.	7.67	463 140	1 350	43 848	5262.	6091.	1554.	8901.	2343.
276	87.	-9.00	-9 -9	-9 2	180 -9	2910.	4447.	1537.	36.	9639.
-1										

FILENAME: CTEXP86.DIR   EXPERIMENT FILE DIRECTORY FOR 1986

EXPID , EXPERIMENT DESCRIPTION,   WEATHER FILE, SOIL FILE,
SOIL NITR., INITIAL SOIL, IRRIGATION, NITR. FERT, CROP MANAGMENT, GENETICS,
FINAL HARVEST, INTER GROWTH, OUTPUT 1, OUTPUT 2, OUTPUT 3, OUTPUT 4

PX078601 1986, CO2=AMBIENT,IRG=DRY,NIT--,REP=1   PX070308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX078601.CT6 PX078601.CT7 PX078601.CT8 GENETICS.CT9
PX078601.CTA PX078601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX098601 1986, CO2=AMBIENT,IRG=DRY,NIT--,REP=2   PX090308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX078601.CT6 PX078601.CT7 PX098601.CT8 GENETICS.CT9
PX098601.CTA PX098601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX088601 1986, CO2=AMBIENT,IRG=DRY,NIT=+,REP=1   PX080308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX088601.CT6 PX088601.CT7 PX088601.CT8 GENETICS.CT9
PX088601.CTA PX088601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX108601 1986, CO2=AMBIENT,IRG=DRY,NIT=+,REP=2   PX100308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX088601.CT6 PX088601.CT7 PX108601.CT8 GENETICS.CT9
PX108601.CTA PX108601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX028601 1986, CO2=AMBIENT,IRG=WET,NIT--,REP=1   PX020308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX028601.CT6 PX078601.CT7 PX028601.CT8 GENETICS.CT9
PX028601.CTA PX028601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX168601 1986, CO2=AMBIENT,IRG=WET,NIT--,REP=2   PX160308.W86 AVONGRAV.CT2
PX078601.CT4 PX168601.CT5 PX028601.CT6 PX078601.CT7 PX168601.CT8 GENETICS.CT9
PX168601.CTA PX168601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX038601 1986, CO2=AMBIENT,IRG=WET,NIT=+,REP=1   PX030308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX038601.CT6 PX088601.CT7 PX038601.CT8 GENETICS.CT9
PX038601.CTA PX038601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX158601 1986, CO2=AMBIENT,IRG=WET,NIT=+,REP=2   PX150308.W86 AVONGRAV.CT2
PX078601.CT4 PX168601.CT5 PX038601.CT6 PX088601.CT7 PX158601.CT8 GENETICS.CT9
PX158601.CTA PX158601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX058601 1986, CO2= 650,IRG=DRY,NIT=-,REP=1   PX050308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX078601.CT6 PX078601.CT7 PX058601.CT8 GENETICS.CT9
PX058601.CTA PX058601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX118601 1986, CO2= 650,IRG=DRY,NIT=-,REP=2   PX110308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX078601.CT6 PX078601.CT7 PX118601.CT8 GENETICS.CT9
PX118601.CTA PX118601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

```
PX068601 1986, CO2- 650,IRG-DRY,NIT-+,REP-1        PX060308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX088601.CT6 PX088601.CT7 PX068601.CT8 GENETICS.CT9
PX068601.CTA PX068601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX128601 1986, CO2- 650,IRG-DRY,NIT-+,REP-2        PX120308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX088601.CT6 PX088601.CT7 PX128601.CT8 GENETICS.CT9
PX128601.CTA PX128601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX048601 1986, CO2- 650,IRG-WET,NIT--,REP-1        PX040308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX028601.CT6 PX078601.CT7 PX048601.CT8 GENETICS.CT9
PX048601.CTA PX048601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX138601 1986, CO2- 650,IRG-WET,NIT--,REP-2        PX130308.W86 AVONGRAV.CT2
PX078601.CT4 PX168601.CT5 PX028601.CT6 PX078601.CT7 PX138601.CT8 GENETICS.CT9
PX138601.CTA PX138601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX018601 1986, CO2- 650,IRG-WET,NIT-+,REP-1        PX010308.W86 AVONDALE.CT2
PX078601.CT4 PX078601.CT5 PX038601.CT6 PX088601.CT7 PX018601.CT8 GENETICS.CT9
PX018601.CTA PX018601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX148601 1986, CO2- 650,IRG-WET,NIT-+,REP-2        PX140308.W86 AVONGRAV.CT2
PX078601.CT4 PX168601.CT5 PX038601.CT6 PX088601.CT7 PX148601.CT8 GENETICS.CT9
PX148601.CTA PX148601.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT
```

FILENAME: WTH86.DIR   WEATHER FILE DIRECTORY FOR 1986

WTHID	WEATHER STATION DESCRIPTION			BEGDATE	ENDDATE	WEATHER FILE
PX07	PHOENIX,AZ,AMB. CO2,	IRG-DRY,	N-, REP-1	03/28/86	10/03/86	PX070308.W86
PX09	PHOENIX,AZ,AMB. CO2,	IRG-DRY,	N-, REP-2	03/28/86	10/03/86	PX090308.W86
PX08	PHOENIX,AZ,AMB. CO2,	IRG-DRY,	N+, REP-1	03/28/86	10/03/86	PX080308.W86
PX10	PHOENIX,AZ,AMB. CO2,	IRG-DRY,	N+, REP-2	03/28/86	10/03/86	PX100308.W86
PX02	PHOENIX,AZ,AMB. CO2,	IRG-WET,	N-, REP-1	03/28/86	10/03/86	PX020308.W86
PX16	PHOENIX,AZ,AMB. CO2,	IRG-WET,	N-, REP-2	03/28/86	10/03/86	PX160308.W86
PX03	PHOENIX,AZ,AMB. CO2,	IRG-WET,	N+, REP-1	03/28/86	10/03/86	PX030308.W86
PX15	PHOENIX,AZ,AMB. CO2,	IRG-WET,	N+, REP-2	03/28/86	10/03/86	PX150308.W86
PX05	PHOENIX,AZ,CO2- 650,	IRG-DRY,	N-, REP-1	03/28/86	10/03/86	PX050308.W86
PX11	PHOENIX,AZ,CO2- 650,	IRG-DRY,	N-, REP-2	03/28/86	10/03/86	PX110308.W86
PX06	PHOENIX,AZ,CO2- 650,	IRG-DRY,	N+, REP-1	03/28/86	10/03/86	PX060308.W86
PX12	PHOENIX,AZ,CO2- 650,	IRG-DRY,	N+, REP-2	03/28/86	10/03/86	PX120308.W86
PX04	PHOENIX,AZ,CO2- 650,	IRG-WET,	N-, REP-1	03/28/86	10/03/86	PX040308.W86
PX13	PHOENIX,AZ,CO2- 650,	IRG-WET,	N-, REP-2	03/28/86	10/03/86	PX130308.W86
PX01	PHOENIX,AZ,CO2- 650,	IRG-WET,	N+, REP-1	03/28/86	10/03/86	PX010308.W86
PX14	PHOENIX,AZ,CO2- 650,	IRG-WET,	N+, REP-2	03/28/86	10/03/86	PX140308.W86

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX07	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX07	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX07	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX07	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX07	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX07	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX07	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX07	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX07	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX07	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX07	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX07	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX07	86 99	27.50	33.9	11.3	0.0	0.00	86.0	1.3	0.0	0.0	350	09-Apr
PX07	86 100	17.10	32.0	14.4	0.0	0.00	108.0	1.3	0.0	0.0	350	10-Apr
PX07	86 101	24.30	33.6	14.0	0.0	0.00	121.0	1.3	0.0	0.0	350	11-Apr
PX07	86 102	20.70	34.1	19.9	0.0	0.00	173.0	1.3	0.0	0.0	350	12-Apr
PX07	86 103	27.40	30.7	14.5	0.0	0.00	233.0	1.3	0.0	0.0	350	13-Apr
PX07	86 104	26.70	34.6	10.9	0.0	0.00	122.0	1.3	0.0	0.0	350	14-Apr
PX07	86 105	25.50	36.2	17.2	0.0	0.00	145.0	1.5	0.0	0.0	350	15-Apr
PX07	86 106	24.20	33.3	20.0	0.0	0.00	293.5	1.3	0.0	0.0	350	16-Apr
PX07	86 107	28.50	27.8	15.3	0.0	0.00	271.5	1.1	0.0	0.0	350	17-Apr
PX07	86 108	28.70	30.1	9.4	0.0	0.00	165.0	1.3	0.0	0.0	350	18-Apr
PX07	86 109	28.80	32.7	9.7	0.0	0.00	97.0	1.3	0.0	0.0	350	19-Apr
PX07	86 110	29.00	35.3	13.6	0.0	0.00	100.0	1.3	0.0	0.0	350	20-Apr
PX07	86 111	28.70	38.0	16.5	0.0	0.00	120.0	1.5	0.0	0.0	350	21-Apr
PX07	86 112	26.30	37.7	17.3	0.0	0.00	175.0	1.5	0.0	0.0	350	22-Apr
PX07	86 113	23.90	35.5	20.4	0.0	0.00	184.0	1.5	0.0	0.0	350	23-Apr
PX07	86 114	24.80	34.7	19.4	0.0	0.00	287.0	1.5	0.0	0.0	350	24-Apr
PX07	86 115	26.30	34.7	19.9	0.0	0.00	305.0	1.5	0.0	0.0	350	25-Apr
PX07	86 116	28.80	32.8	20.0	0.0	0.00	271.8	1.3	0.0	0.0	350	26-Apr
PX07	86 117	29.90	33.6	13.2	0.0	0.00	112.0	1.3	0.0	0.0	350	27-Apr
PX07	86 118	28.10	36.1	15.3	0.0	0.00	120.0	1.5	0.0	0.0	350	28-Apr
PX07	86 119	27.30	36.2	16.6	0.0	0.00	123.0	1.5	0.0	0.0	350	29-Apr
PX07	86 120	26.40	36.6	17.2	0.0	0.00	125.0	1.5	0.0	0.0	350	30-Apr
PX07	86 121	25.40	38.3	19.9	0.0	0.00	190.1	1.5	0.0	0.0	350	01-May
PX07	86 122	28.20	40.6	18.4	0.0	0.00	138.2	1.7	0.0	0.0	350	02-May
PX07	86 123	28.80	38.6	19.5	0.0	0.00	120.0	1.7	0.0	0.0	350	03-May
PX07	86 124	30.10	32.3	18.1	0.0	0.00	190.1	3.9	0.0	0.0	350	04-May
PX07	86 125	29.90	34.8	14.6	0.0	0.00	121.0	1.3	0.0	0.0	350	05-May
PX07	86 126	27.80	31.4	16.2	0.0	0.00	233.3	5.4	0.0	0.0	350	06-May
PX07	86 127	28.90	24.7	13.7	0.0	0.00	293.8	2.3	0.0	0.0	350	07-May
PX07	86 128	30.20	29.4	9.5	0.0	0.00	146.9	2.1	0.0	0.0	350	08-May
PX07	86 129	31.80	32.0	11.0	0.0	0.00	164.2	-1.7	0.0	0.0	350	09-May
PX07	86 130	30.30	34.9	13.2	0.0	0.00	146.9	-3.8	0.0	0.0	350	10-May
PX07	86 131	30.70	36.0	15.5	0.0	0.00	155.5	-3.3	0.0	0.0	350	11-May
PX07	86 132	30.70	35.4	14.8	0.0	0.00	86.4	-4.1	0.0	0.0	350	12-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	86 133	30.40	36.9	15.5	0.0	0.00	120.9	-2.7	0.0	0.0	350	13-May
PX07	86 134	29.10	35.4	16.4	0.0	0.00	138.2	-1.4	0.0	0.0	350	14-May
PX07	86 135	25.50	37.4	17.1	0.0	0.00	207.4	-0.0	0.0	0.0	350	15-May
PX07	86 136	31.20	36.5	19.2	0.0	0.00	207.4	2.1	0.0	0.0	350	16-May
PX07	86 137	30.70	33.5	18.3	0.0	0.00	146.9	-2.2	0.0	0.0	350	17-May
PX07	86 138	30.90	36.7	18.0	0.0	0.00	112.3	-0.9	0.0	0.0	350	18-May
PX07	86 139	30.60	40.9	19.8	0.0	0.00	129.6	-0.2	0.0	0.0	350	19-May
PX07	86 140	29.60	41.7	21.2	0.0	0.00	198.7	1.1	0.0	0.0	350	20-May
PX07	86 141	22.63	37.5	22.0	0.0	0.00	190.1	1.1	0.0	0.0	350	21-May
PX07	86 142	29.10	36.6	18.9	0.0	0.00	103.7	1.5	0.0	0.0	350	22-May
PX07	86 143	27.90	36.6	21.8	0.0	0.00	146.9	3.2	0.0	0.0	350	23-May
PX07	86 144	23.10	37.2	21.7	0.0	0.00	95.0	1.5	0.0	0.0	350	24-May
PX07	86 145	29.90	40.1	19.8	0.0	0.00	129.6	3.0	0.0	0.0	350	25-May
PX07	86 146	29.40	40.5	21.2	0.0	0.00	181.4	4.5	0.0	0.0	350	26-May
PX07	86 147	29.80	40.7	21.3	0.0	0.00	129.6	7.1	0.0	0.0	350	27-May
PX07	86 148	28.57	41.3	22.2	0.0	0.00	146.9	10.3	0.0	0.0	350	28-May
PX07	86 149	26.90	39.4	24.4	0.0	0.00	164.2	13.4	0.0	0.0	350	29-May
PX07	86 150	20.00	35.8	24.7	0.0	0.00	172.8	15.0	0.0	0.0	350	30-May
PX07	86 151	25.50	37.6	21.7	0.0	0.00	172.8	15.8	0.0	0.0	350	31-May
PX07	86 152	26.30	40.0	22.6	0.5	0.00	164.2	13.8	0.0	0.0	350	01-Jun
PX07	86 153	25.14	39.2	22.5	0.0	0.00	181.4	15.9	0.0	0.0	350	02-Jun
PX07	86 154	28.73	40.5	23.2	0.0	0.00	164.2	15.5	0.0	0.0	350	03-Jun
PX07	86 155	29.30	39.9	25.6	0.0	0.00	164.2	16.4	0.0	0.0	350	04-Jun
PX07	86 156	29.40	39.8	24.8	0.0	0.00	164.2	16.0	0.0	0.0	350	05-Jun
PX07	86 157	30.60	39.4	20.0	0.0	0.00	103.7	13.2	0.0	0.0	350	06-Jun
PX07	86 158	31.10	40.1	20.8	0.0	0.00	129.6	13.4	0.0	0.0	350	07-Jun
PX07	86 159	31.30	38.5	21.7	0.0	0.00	164.2	12.5	0.0	0.0	350	08-Jun
PX07	86 160	28.70	39.5	20.6	0.0	0.00	181.4	10.1	0.0	0.0	350	09-Jun
PX07	86 161	31.00	40.2	19.2	0.0	0.00	112.3	9.5	0.0	0.0	350	10-Jun
PX07	86 162	30.80	39.2	19.5	0.0	0.00	95.0	9.4	0.0	0.0	350	11-Jun
PX07	86 163	31.00	39.9	20.1	0.0	0.00	120.9	10.0	0.0	0.0	350	12-Jun
PX07	86 164	31.10	40.6	21.7	0.0	0.00	132.0	10.6	0.0	0.0	350	13-Jun
PX07	86 165	31.30	41.2	21.4	0.0	0.00	114.0	11.3	0.0	0.0	350	14-Jun
PX07	86 166	30.14	42.0	24.6	0.0	0.00	129.6	11.5	0.0	0.0	350	15-Jun
PX07	86 167	29.50	41.4	24.5	0.0	0.00	155.5	9.7	0.0	0.0	350	16-Jun
PX07	86 168	29.70	42.5	28.6	0.0	0.00	155.5	10.5	0.0	0.0	350	17-Jun
PX07	86 169	30.60	39.0	23.5	0.0	0.00	172.8	7.4	0.0	0.0	350	18-Jun
PX07	86 170	30.90	39.3	22.9	0.0	0.00	120.0	5.6	0.0	0.0	350	19-Jun
PX07	86 171	31.30	40.5	21.5	0.0	0.00	155.5	5.8	0.0	0.0	350	20-Jun
PX07	86 172	27.70	40.9	21.9	0.0	0.00	121.0	5.8	0.0	0.0	350	21-Jun
PX07	86 173	24.10	38.5	21.7	0.0	0.00	172.8	5.8	0.0	0.0	350	22-Jun
PX07	86 174	29.60	41.2	24.8	0.0	0.00	216.0	7.3	0.0	0.0	350	23-Jun
PX07	86 175	28.90	40.2	27.1	0.0	0.00	337.0	12.0	0.0	0.0	350	24-Jun
PX07	86 176	29.40	37.9	25.9	0.0	0.00	267.8	15.8	0.0	0.0	350	25-Jun
PX07	86 177	29.30	39.8	25.8	0.0	0.00	95.0	15.0	0.0	0.0	350	26-Jun
PX07	86 178	29.70	40.1	27.5	0.0	0.00	138.2	14.3	0.0	0.0	350	27-Jun
PX07	86 179	20.70	39.6	28.9	0.0	0.00	138.2	14.1	0.0	0.0	350	28-Jun
PX07	86 180	13.60	35.1	26.9	0.0	0.00	259.2	14.5	0.0	0.0	350	29-Jun
PX07	86 181	28.30	37.5	24.1	0.0	0.00	138.2	17.9	0.0	0.0	350	30-Jun
PX07	86 182	29.20	38.6	24.2	10.9	0.00	198.7	18.9	0.0	0.0	350	01-Jul
PX07	86 183	28.30	35.5	24.5	14.0	0.00	121.0	22.0	0.0	0.0	350	02-Jul
PX07	86 184	22.90	35.4	24.8	0.0	0.00	130.0	22.2	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	86	185	22.60	33.6	23.7	1.3	0.00	190.1	20.3	0.0	0.0	350	04-Jul
PX07	86	186	30.90	35.5	23.0	0.0	0.00	181.4	14.7	0.0	0.0	350	05-Jul
PX07	86	187	30.70	37.0	21.7	0.0	0.00	181.4	12.1	0.0	0.0	350	06-Jul
PX07	86	188	18.40	36.4	26.9	0.0	0.00	181.4	15.5	0.0	0.0	350	07-Jul
PX07	86	189	29.80	38.5	25.4	0.0	0.00	155.5	16.9	0.0	0.0	350	08-Jul
PX07	86	190	29.80	36.7	26.8	0.0	0.00	172.8	17.9	0.0	0.0	350	09-Jul
PX07	86	191	29.30	37.0	27.8	0.0	0.00	155.5	17.6	0.0	0.0	350	10-Jul
PX07	86	192	29.60	37.4	27.3	0.0	0.00	146.9	17.4	0.0	0.0	350	11-Jul
PX07	86	193	30.40	38.5	25.8	0.0	0.00	164.2	14.8	0.0	0.0	350	12-Jul
PX07	86	194	26.70	37.7	25.6	0.0	0.00	198.7	16.4	0.0	0.0	350	13-Jul
PX07	86	195	22.12	35.6	27.9	0.0	0.00	207.4	18.7	0.0	0.0	350	14-Jul
PX07	86	196	25.80	36.1	25.9	0.0	0.00	198.7	18.7	0.0	0.0	350	15-Jul
PX07	86	197	23.30	34.8	25.3	0.0	0.00	302.4	18.7	0.0	0.0	350	16-Jul
PX07	86	198	30.70	34.9	23.1	0.0	0.00	181.4	18.4	0.0	0.0	350	17-Jul
PX07	86	199	22.40	35.6	26.5	0.0	0.00	138.2	18.5	0.0	0.0	350	18-Jul
PX07	86	200	28.00	39.4	26.1	0.0	0.00	181.4	17.9	0.0	0.0	350	19-Jul
PX07	86	201	26.40	40.6	22.3	0.0	0.00	164.2	17.2	0.0	0.0	350	20-Jul
PX07	86	202	13.41	28.1	21.1	15.2	0.00	146.9	20.2	0.0	0.0	350	21-Jul
PX07	86	203	28.20	33.2	21.2	0.0	0.00	121.0	19.7	0.0	0.0	350	22-Jul
PX07	86	204	19.40	34.3	23.0	0.0	0.00	172.8	18.0	0.0	0.0	350	23-Jul
PX07	86	205	28.70	36.0	25.3	0.0	0.00	241.9	17.7	0.0	0.0	350	24-Jul
PX07	86	206	26.50	36.3	24.1	0.0	0.00	250.6	18.7	0.0	0.0	350	25-Jul
PX07	86	207	29.70	37.3	21.9	0.0	0.00	112.3	19.4	0.0	0.0	350	26-Jul
PX07	86	208	29.40	38.3	20.3	0.0	0.00	103.7	20.9	0.0	0.0	350	27-Jul
PX07	86	209	25.00	38.6	21.3	0.0	0.00	69.1	13.9	0.0	0.0	350	28-Jul
PX07	86	210	28.30	38.6	24.0	0.0	0.00	198.7	14.0	0.0	0.0	350	29-Jul
PX07	86	211	29.10	38.7	22.4	0.0	0.00	146.9	11.6	0.0	0.0	350	30-Jul
PX07	86	212	28.80	40.4	22.9	0.0	0.00	146.9	11.1	0.0	0.0	350	31-Jul
PX07	86	213	27.70	39.6	25.0	0.0	0.00	164.2	13.6	0.0	0.0	350	01-Aug
PX07	86	214	25.40	39.9	28.6	0.0	0.00	181.4	18.0	0.0	0.0	350	02-Aug
PX07	86	215	20.50	41.0	26.6	0.0	0.00	103.7	15.9	0.0	0.0	350	03-Aug
PX07	86	216	27.70	43.2	27.5	0.0	0.00	138.2	15.0	0.0	0.0	350	04-Aug
PX07	86	217	26.20	40.4	28.3	0.0	0.00	129.6	18.3	0.0	0.0	350	05-Aug
PX07	86	218	22.70	36.8	27.5	0.0	0.00	164.2	20.6	0.0	0.0	350	06-Aug
PX07	86	219	27.30	39.6	27.3	2.8	0.00	198.7	20.0	0.0	0.0	350	07-Aug
PX07	86	220	20.24	36.7	26.3	0.0	0.00	172.8	19.1	0.0	0.0	350	08-Aug
PX07	86	221	27.10	39.3	26.9	1.1	0.00	155.5	18.9	0.0	0.0	350	09-Aug
PX07	86	222	25.00	38.4	26.1	0.0	0.00	155.5	19.8	0.0	0.0	350	10-Aug
PX07	86	223	21.90	40.2	27.2	0.0	0.00	172.8	20.6	0.0	0.0	350	11-Aug
PX07	86	224	24.20	37.7	27.9	0.0	0.00	129.6	20.4	0.0	0.0	350	12-Aug
PX07	86	225	26.60	38.9	26.8	0.0	0.00	112.3	21.3	0.0	0.0	350	13-Aug
PX07	86	226	26.50	39.1	27.5	0.0	0.00	138.2	21.3	0.0	0.0	350	14-Aug
PX07	86	227	27.10	38.8	27.7	0.0	0.00	150.0	19.7	0.0	0.0	350	15-Aug
PX07	86	228	26.60	39.1	27.6	0.0	0.00	146.9	20.9	0.0	0.0	350	16-Aug
PX07	86	229	19.70	37.8	28.5	0.0	0.00	198.7	21.2	0.0	0.0	350	17-Aug
PX07	86	230	14.70	38.2	26.9	0.0	0.00	95.0	18.9	0.0	0.0	350	18-Aug
PX07	86	231	25.30	42.8	26.9	0.0	0.00	95.0	18.1	0.0	0.0	350	19-Aug
PX07	86	232	25.00	41.2	28.0	0.0	0.00	112.3	18.7	0.0	0.0	350	20-Aug
PX07	86	233	21.70	40.8	27.3	0.0	0.00	205.0	17.8	0.0	0.0	350	21-Aug
PX07	86	234	26.90	40.4	26.6	0.0	0.00	131.0	16.9	0.0	0.0	350	22-Aug
PX07	86	235	18.70	40.1	25.9	0.0	0.00	241.9	15.6	0.0	0.0	350	23-Aug
PX07	86	236	17.80	34.6	24.4	0.0	0.00	121.0	19.7	0.0	0.0	350	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	86	237	20.90	37.6	23.3	0.5	0.00	200.0	21.0	0.0	0.0	350	25-Aug
PX07	86	238	21.40	34.7	23.5	5.3	0.00	200.0	22.5	0.0	0.0	350	26-Aug
PX07	86	239	19.12	34.9	24.1	23.1	0.00	137.0	22.8	0.0	0.0	350	27-Aug
PX07	86	240	24.20	35.2	22.7	0.8	0.00	178.0	21.2	0.0	0.0	350	28-Aug
PX07	86	241	20.50	34.5	21.9	2.0	0.00	205.0	21.3	0.0	0.0	350	29-Aug
PX07	86	242	24.20	34.6	22.7	0.0	0.00	164.0	22.3	0.0	0.0	350	30-Aug
PX07	86	243	22.80	36.0	25.8	0.0	0.00	164.0	22.9	0.0	0.0	350	31-Aug
PX07	86	244	24.00	35.4	24.6	0.0	0.00	145.0	21.2	0.0	0.0	350	01-Sep
PX07	86	245	24.80	37.1	23.2	0.0	0.00	112.0	15.1	0.0	0.0	350	02-Sep
PX07	86	246	23.70	37.9	22.3	0.0	0.00	112.0	15.8	0.0	0.0	350	03-Sep
PX07	86	247	25.70	38.7	22.5	0.0	0.00	100.0	14.6	0.0	0.0	350	04-Sep
PX07	86	248	25.70	39.5	22.8	0.0	0.00	127.0	13.2	0.0	0.0	350	05-Sep
PX07	86	249	24.20	40.2	23.0	0.0	0.00	130.0	11.8	0.0	0.0	350	06-Sep
PX07	86	250	23.90	38.5	24.1	0.0	0.00	331.4	12.4	0.0	0.0	350	07-Sep
PX07	86	251	14.83	36.9	25.3	0.0	0.00	207.0	13.0	0.0	0.0	350	08-Sep
PX07	86	252	20.87	35.5	22.7	0.0	0.00	271.5	12.8	0.0	0.0	350	09-Sep
PX07	86	253	21.10	34.1	20.0	0.0	0.00	260.9	12.3	0.0	0.0	350	10-Sep
PX07	86	254	22.50	35.2	15.4	0.0	0.00	125.0	5.4	0.0	0.0	350	11-Sep
PX07	86	255	17.90	36.1	18.9	0.0	0.00	145.0	8.9	0.0	0.0	350	12-Sep
PX07	86	256	17.80	35.2	20.2	0.0	0.00	157.0	7.5	0.0	0.0	350	13-Sep
PX07	86	257	22.40	36.1	17.5	0.0	0.00	185.0	6.2	0.0	0.0	350	14-Sep
PX07	86	258	20.72	36.2	20.1	0.0	0.00	147.0	7.8	0.0	0.0	350	15-Sep
PX07	86	259	21.20	34.6	16.4	0.0	0.00	136.0	7.0	0.0	0.0	350	16-Sep
PX07	86	260	21.30	33.9	17.3	0.0	0.00	126.0	6.1	0.0	0.0	350	17-Sep
PX07	86	261	20.10	35.3	18.0	0.0	0.00	120.0	4.6	0.0	0.0	350	18-Sep
PX07	86	262	20.80	35.6	17.7	0.0	0.00	112.3	8.4	0.0	0.0	350	19-Sep
PX07	86	263	18.50	35.0	19.2	0.0	0.00	112.3	8.9	0.0	0.0	350	20-Sep
PX07	86	264	7.50	28.8	17.0	0.0	0.00	69.1	11.4	0.0	0.0	350	21-Sep
PX07	86	265	6.60	28.0	20.4	0.0	0.00	112.3	15.1	0.0	0.0	350	22-Sep
PX07	86	266	5.44	25.5	16.1	9.7	0.00	77.8	15.1	0.0	0.0	350	23-Sep
PX07	86	267	18.80	23.7	11.8	0.0	0.00	60.5	9.4	0.0	0.0	350	24-Sep
PX07	86	268	18.60	25.5	14.1	0.5	0.00	65.0	9.9	0.0	0.0	350	25-Sep
PX07	86	269	18.20	28.4	16.3	0.0	0.00	69.1	10.4	0.0	0.0	350	26-Sep
PX07	86	270	21.60	30.7	13.0	0.0	0.00	86.4	9.7	0.0	0.0	350	27-Sep
PX07	86	271	21.30	30.9	14.4	0.0	0.00	95.0	8.1	0.0	0.0	350	28-Sep
PX07	86	272	19.90	29.2	13.9	0.0	0.00	51.8	7.1	0.0	0.0	350	29-Sep
PX07	86	273	20.60	30.7	13.2	0.0	0.00	69.1	7.1	0.0	0.0	350	30-Sep
PX07	86	274	21.20	32.0	14.0	0.0	0.00	250.6	5.0	0.0	0.0	350	01-Oct
PX07	86	275	19.00	28.7	17.2	0.0	0.00	181.4	7.4	0.0	0.0	350	02-Oct
PX07	86	276	17.86	27.2	16.0	0.0	0.00	112.3	7.4	0.0	0.0	350	03-Oct

FILENAME: PX090308.W86   WEATHER DATA FOR CO2=AMBIENT, IRR=DRY, NIT=-, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX09	33.40	112.00	2.30	0 1 1 0 1					350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX09	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX09	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX09	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX09	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX09	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX09	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX09	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX09	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX09	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX09	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX09	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX09	86 99	27.50	34.0	11.6	0.0	0.00	86.0	-1.9	0.0	0.0	350	09-Apr
PX09	86 100	17.10	32.2	14.5	0.0	0.00	108.0	-1.9	0.0	0.0	350	10-Apr
PX09	86 101	24.30	33.8	14.1	0.0	0.00	121.0	-1.2	0.0	0.0	350	11-Apr
PX09	86 102	20.70	34.3	19.7	0.0	0.00	173.0	-0.9	0.0	0.0	350	12-Apr
PX09	86 103	27.40	30.8	14.6	0.0	0.00	233.0	-1.7	0.0	0.0	350	13-Apr
PX09	86 104	26.70	34.8	11.2	0.0	0.00	122.0	-1.4	0.0	0.0	350	14-Apr
PX09	86 105	25.50	36.5	17.2	0.0	0.00	145.0	-0.2	0.0	0.0	350	15-Apr
PX09	86 106	24.20	33.5	19.8	0.0	0.00	293.5	-0.7	0.0	0.0	350	16-Apr
PX09	86 107	28.50	27.8	15.4	0.0	0.00	271.5	-2.5	0.0	0.0	350	17-Apr
PX09	86 108	28.70	30.2	9.7	0.0	0.00	165.0	-2.2	0.0	0.0	350	18-Apr
PX09	86 109	28.80	32.8	10.0	0.0	0.00	97.0	-1.9	0.0	0.0	350	19-Apr
PX09	86 110	29.00	35.5	13.7	0.0	0.00	100.0	-0.7	0.0	0.0	350	20-Apr
PX09	86 111	28.70	38.3	16.5	0.0	0.00	120.0	0.2	0.0	0.0	350	21-Apr
PX09	86 112	26.30	37.9	17.3	0.0	0.00	175.0	0.2	0.0	0.0	350	22-Apr
PX09	86 113	23.90	35.7	20.2	0.0	0.00	184.0	0.2	0.0	0.0	350	23-Apr
PX09	86 114	24.80	34.9	19.2	0.0	0.00	287.0	-0.0	0.0	0.0	350	24-Apr
PX09	86 115	26.30	34.9	19.7	0.0	0.00	305.0	-0.2	0.0	0.0	350	25-Apr
PX09	86 116	28.80	32.9	19.8	0.0	0.00	271.8	-0.9	0.0	0.0	350	26-Apr
PX09	86 117	29.90	33.8	13.3	0.0	0.00	112.0	-1.2	0.0	0.0	350	27-Apr
PX09	86 118	28.10	36.4	15.4	0.0	0.00	120.0	-0.5	0.0	0.0	350	28-Apr
PX09	86 119	27.30	36.5	16.6	0.0	0.00	123.0	-0.2	0.0	0.0	350	29-Apr
PX09	86 120	26.40	36.8	17.2	0.0	0.00	125.0	-0.0	0.0	0.0	350	30-Apr
PX09	86 121	25.40	38.6	19.7	0.0	0.00	190.1	0.4	0.0	0.0	350	01-May
PX09	86 122	28.20	40.9	18.4	0.0	0.00	138.2	1.3	0.0	0.0	350	02-May
PX09	86 123	28.80	38.9	19.3	0.0	0.00	120.0	1.5	0.0	0.0	350	03-May
PX09	86 124	30.10	32.9	18.1	0.0	0.00	190.1	-0.7	0.0	0.0	350	04-May
PX09	86 125	29.90	33.4	14.2	0.0	0.00	121.0	-4.4	0.0	0.0	350	05-May
PX09	86 126	27.80	31.8	16.4	0.0	0.00	233.3	1.9	0.0	0.0	350	06-May
PX09	86 127	28.90	25.0	13.4	0.0	0.00	293.8	-1.2	0.0	0.0	350	07-May
PX09	86 128	30.20	29.7	10.0	0.0	0.00	146.9	-1.9	0.0	0.0	350	08-May
PX09	86 129	31.80	32.6	11.6	0.0	0.00	164.2	-3.5	0.0	0.0	350	09-May
PX09	86 130	30.30	35.8	13.6	0.0	0.00	146.9	-3.8	0.0	0.0	350	10-May
PX09	86 131	30.70	36.8	15.7	0.0	0.00	155.5	-3.3	0.0	0.0	350	11-May
PX09	86 132	30.70	35.9	15.0	0.0	0.00	86.4	-3.8	0.0	0.0	350	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	86	133	30.40	37.5	15.8	0.0	0.00	120.9	-2.2	0.0	0.0	350	13-May
PX09	86	134	29.10	35.9	16.5	0.0	0.00	138.2	-0.9	0.0	0.0	350	14-May
PX09	86	135	25.50	37.4	17.6	0.0	0.00	207.4	-0.9	0.0	0.0	350	15-May
PX09	86	136	31.20	36.8	19.4	0.0	0.00	207.4	2.3	0.0	0.0	350	16-May
PX09	86	137	30.70	34.0	18.2	0.0	0.00	146.9	-1.9	0.0	0.0	350	17-May
PX09	86	138	30.90	38.0	17.7	0.0	0.00	112.3	-0.7	0.0	0.0	350	18-May
PX09	86	139	30.60	42.1	20.1	0.0	0.00	129.6	-0.2	0.0	0.0	350	19-May
PX09	86	140	29.60	42.3	21.0	0.0	0.00	198.7	1.3	0.0	0.0	350	20-May
PX09	86	141	22.63	38.0	21.7	0.0	0.00	190.1	1.5	0.0	0.0	350	21-May
PX09	86	142	29.10	36.8	19.3	0.0	0.00	103.7	1.9	0.0	0.0	350	22-May
PX09	86	143	27.90	37.4	21.7	0.0	0.00	146.9	3.6	0.0	0.0	350	23-May
PX09	86	144	23.10	37.7	21.5	0.0	0.00	95.0	2.1	0.0	0.0	350	24-May
PX09	86	145	29.90	40.9	19.9	0.0	0.00	129.6	4.3	0.0	0.0	350	25-May
PX09	86	146	29.40	40.7	21.3	0.0	0.00	181.4	5.9	0.0	0.0	350	26-May
PX09	86	147	29.80	40.8	21.3	0.0	0.00	129.6	8.1	0.0	0.0	350	27-May
PX09	86	148	28.57	41.5	22.4	0.0	0.00	146.9	10.6	0.0	0.0	350	28-May
PX09	86	149	26.90	39.8	24.4	0.0	0.00	164.2	13.6	0.0	0.0	350	29-May
PX09	86	150	20.00	36.2	24.7	0.0	0.00	172.8	14.9	0.0	0.0	350	30-May
PX09	86	151	25.50	38.2	21.8	0.0	0.00	172.8	15.8	0.0	0.0	350	31-May
PX09	86	152	26.30	40.2	22.3	0.5	0.00	164.2	13.7	0.0	0.0	350	01-Jun
PX09	86	153	25.14	41.6	22.8	0.0	0.00	181.4	16.4	0.0	0.0	350	02-Jun
PX09	86	154	28.73	40.3	23.2	0.0	0.00	164.2	16.2	0.0	0.0	350	03-Jun
PX09	86	155	29.30	39.7	25.7	0.0	0.00	164.2	17.8	0.0	0.0	350	04-Jun
PX09	86	156	29.40	40.0	24.6	0.0	0.00	164.2	17.0	0.0	0.0	350	05-Jun
PX09	86	157	30.60	39.8	19.0	0.0	0.00	103.7	15.0	0.0	0.0	350	06-Jun
PX09	86	158	31.10	40.1	20.8	0.0	0.00	129.6	13.4	0.0	0.0	350	07-Jun
PX09	86	159	31.30	38.5	21.6	0.0	0.00	164.2	14.9	0.0	0.0	350	08-Jun
PX09	86	160	28.70	39.6	20.7	0.0	0.00	181.4	10.4	0.0	0.0	350	09-Jun
PX09	86	161	31.00	40.5	19.4	0.0	0.00	112.3	6.4	0.0	0.0	350	10-Jun
PX09	86	162	30.80	39.8	19.4	0.0	0.00	95.0	9.5	0.0	0.0	350	11-Jun
PX09	86	163	31.00	40.5	20.3	0.0	0.00	120.9	9.3	0.0	0.0	350	12-Jun
PX09	86	164	31.10	41.2	21.2	0.0	0.00	132.0	8.8	0.0	0.0	350	13-Jun
PX09	86	165	31.30	41.9	22.2	0.0	0.00	114.0	8.9	0.0	0.0	350	14-Jun
PX09	86	166	30.14	42.4	24.9	0.0	0.00	129.6	11.3	0.0	0.0	350	15-Jun
PX09	86	167	29.50	42.1	24.7	0.0	0.00	155.5	9.5	0.0	0.0	350	16-Jun
PX09	86	168	29.70	43.3	28.0	0.0	0.00	155.5	12.9	0.0	0.0	350	17-Jun
PX09	86	169	30.60	39.3	23.4	0.0	0.00	172.8	10.4	0.0	0.0	350	18-Jun
PX09	86	170	30.90	39.9	22.8	0.0	0.00	120.0	9.8	0.0	0.0	350	19-Jun
PX09	86	171	31.30	41.1	21.6	0.0	0.00	155.5	8.4	0.0	0.0	350	20-Jun
PX09	86	172	27.70	41.6	22.2	0.0	0.00	121.0	7.5	0.0	0.0	350	21-Jun
PX09	86	173	24.10	39.1	22.1	0.0	0.00	172.8	8.2	0.0	0.0	350	22-Jun
PX09	86	174	29.60	41.9	24.9	0.0	0.00	216.0	8.8	0.0	0.0	350	23-Jun
PX09	86	175	28.90	41.4	27.5	0.0	0.00	337.0	13.0	0.0	0.0	350	24-Jun
PX09	86	176	29.40	38.2	26.3	0.0	0.00	267.8	16.4	0.0	0.0	350	25-Jun
PX09	86	177	29.30	40.1	26.0	0.0	0.00	95.0	15.0	0.0	0.0	350	26-Jun
PX09	86	178	29.70	40.7	27.7	0.0	0.00	138.2	14.1	0.0	0.0	350	27-Jun
PX09	86	179	20.70	39.2	29.1	0.0	0.00	138.2	14.9	0.0	0.0	350	28-Jun
PX09	86	180	13.60	35.5	27.0	0.0	0.00	259.2	15.3	0.0	0.0	350	29-Jun
PX09	86	181	28.30	38.0	24.5	0.0	0.00	138.2	16.9	0.0	0.0	350	30-Jun
PX09	86	182	29.20	38.9	23.6	10.9	0.00	198.7	18.8	0.0	0.0	350	01-Jul
PX09	86	183	28.30	36.0	24.4	14.0	0.00	121.0	22.1	0.0	0.0	350	02-Jul
PX09	86	184	22.90	36.1	24.6	0.0	0.00	130.0	22.2	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	86	185	22.60	34.2	23.7	1.3	0.00	190.1	20.3	0.0	0.0	350	04-Jul
PX09	86	186	30.90	35.9	23.4	0.0	0.00	181.4	16.4	0.0	0.0	350	05-Jul
PX09	86	187	30.70	37.5	21.8	0.0	0.00	181.4	12.1	0.0	0.0	350	06-Jul
PX09	86	188	18.40	36.3	27.0	0.0	0.00	181.4	13.8	0.0	0.0	350	07-Jul
PX09	86	189	29.80	38.6	25.5	0.0	0.00	155.5	16.0	0.0	0.0	350	08-Jul
PX09	86	190	29.80	36.9	26.8	0.0	0.00	172.8	18.1	0.0	0.0	350	09-Jul
PX09	86	191	29.30	37.3	27.7	0.0	0.00	155.5	18.1	0.0	0.0	350	10-Jul
PX09	86	192	29.60	37.7	27.2	0.0	0.00	146.9	17.4	0.0	0.0	350	11-Jul
PX09	86	193	30.40	38.2	25.7	0.0	0.00	164.2	13.3	0.0	0.0	350	12-Jul
PX09	86	194	26.70	37.6	25.6	0.0	0.00	198.7	16.5	0.0	0.0	350	13-Jul
PX09	86	195	22.12	35.5	28.0	0.0	0.00	207.4	18.7	0.0	0.0	350	14-Jul
PX09	86	196	25.80	36.0	26.2	0.0	0.00	198.7	19.3	0.0	0.0	350	15-Jul
PX09	86	197	23.30	35.1	25.3	0.0	0.00	302.4	19.3	0.0	0.0	350	16-Jul
PX09	86	198	30.70	35.2	23.3	0.0	0.00	181.4	19.2	0.0	0.0	350	17-Jul
PX09	86	199	22.40	35.8	26.5	0.0	0.00	138.2	19.2	0.0	0.0	350	18-Jul
PX09	86	200	28.00	39.5	26.3	0.0	0.00	181.4	18.8	0.0	0.0	350	19-Jul
PX09	86	201	26.40	41.1	22.3	0.0	0.00	164.2	16.7	0.0	0.0	350	20-Jul
PX09	86	202	13.41	28.5	20.7	15.2	0.00	146.9	20.4	0.0	0.0	350	21-Jul
PX09	86	203	28.20	33.6	21.2	0.0	0.00	121.0	20.4	0.0	0.0	350	22-Jul
PX09	86	204	19.40	33.7	23.1	0.0	0.00	172.8	18.7	0.0	0.0	350	23-Jul
PX09	86	205	28.70	36.8	25.4	0.0	0.00	241.9	20.0	0.0	0.0	350	24-Jul
PX09	86	206	26.50	36.4	24.1	0.0	0.00	250.6	19.1	0.0	0.0	350	25-Jul
PX09	86	207	29.70	37.8	22.3	0.0	0.00	112.3	19.5	0.0	0.0	350	26-Jul
PX09	86	208	29.40	39.2	20.8	0.0	0.00	103.7	20.1	0.0	0.0	350	27-Jul
PX09	86	209	25.00	39.8	21.5	0.0	0.00	69.1	14.1	0.0	0.0	350	28-Jul
PX09	86	210	28.30	40.6	24.3	0.0	0.00	198.7	14.9	0.0	0.0	350	29-Jul
PX09	86	211	29.10	39.1	22.5	0.0	0.00	146.9	12.9	0.0	0.0	350	30-Jul
PX09	86	212	28.80	41.4	23.0	0.0	0.00	146.9	14.1	0.0	0.0	350	31-Jul
PX09	86	213	27.70	40.3	24.3	0.0	0.00	164.2	16.2	0.0	0.0	350	01-Aug
PX09	86	214	25.40	41.7	28.7	0.0	0.00	181.4	18.2	0.0	0.0	350	02-Aug
PX09	86	215	20.50	42.3	27.0	0.0	0.00	103.7	16.3	0.0	0.0	350	03-Aug
PX09	86	216	27.70	44.9	27.7	0.0	0.00	138.2	15.3	0.0	0.0	350	04-Aug
PX09	86	217	26.20	41.5	28.7	0.0	0.00	129.6	16.9	0.0	0.0	350	05-Aug
PX09	86	218	22.70	37.9	27.4	0.0	0.00	164.2	18.6	0.0	0.0	350	06-Aug
PX09	86	219	27.30	39.9	27.1	2.8	0.00	198.7	17.9	0.0	0.0	350	07-Aug
PX09	86	220	20.24	37.4	26.6	0.0	0.00	172.8	18.0	0.0	0.0	350	08-Aug
PX09	86	221	27.10	40.0	26.9	1.1	0.00	155.5	17.7	0.0	0.0	350	09-Aug
PX09	86	222	25.00	40.9	26.5	0.0	0.00	155.5	18.8	0.0	0.0	350	10-Aug
PX09	86	223	21.90	40.9	27.6	0.0	0.00	172.8	19.6	0.0	0.0	350	11-Aug
PX09	86	224	24.20	38.5	28.2	0.0	0.00	129.6	20.6	0.0	0.0	350	12-Aug
PX09	86	225	26.60	39.7	27.0	0.0	0.00	112.3	20.9	0.0	0.0	350	13-Aug
PX09	86	226	26.50	42.0	27.9	0.0	0.00	138.2	20.2	0.0	0.0	350	14-Aug
PX09	86	227	27.10	39.9	28.0	0.0	0.00	150.0	18.6	0.0	0.0	350	15-Aug
PX09	86	228	26.60	40.2	27.6	0.0	0.00	146.9	19.6	0.0	0.0	350	16-Aug
PX09	86	229	19.70	39.6	29.8	0.0	0.00	198.7	19.4	0.0	0.0	350	17-Aug
PX09	86	230	14.70	39.2	26.8	0.0	0.00	95.0	18.7	0.0	0.0	350	18-Aug
PX09	86	231	25.30	45.2	27.1	0.0	0.00	95.0	17.6	0.0	0.0	350	19-Aug
PX09	86	232	25.00	42.2	28.1	0.0	0.00	112.3	18.8	0.0	0.0	350	20-Aug
PX09	86	233	21.70	40.7	28.0	0.0	0.00	205.0	18.0	0.0	0.0	350	21-Aug
PX09	86	234	26.90	41.4	27.1	0.0	0.00	131.0	17.0	0.0	0.0	350	22-Aug
PX09	86	235	18.70	40.8	26.1	0.0	0.00	241.9	16.1	0.0	0.0	350	23-Aug
PX09	86	236	17.80	35.5	24.7	0.0	0.00	121.0	19.7	0.0	0.0	350	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	86	237	20.90	38.3	23.1	0.5	0.00	200.0	19.4	0.0	0.0	350	25-Aug
PX09	86	238	21.40	34.9	23.5	5.3	0.00	200.0	20.8	0.0	0.0	350	26-Aug
PX09	86	239	19.12	35.1	24.3	23.1	0.00	137.0	21.3	0.0	0.0	350	27-Aug
PX09	86	240	24.20	35.3	24.2	0.8	0.00	178.0	20.4	0.0	0.0	350	28-Aug
PX09	86	241	20.50	36.0	22.1	2.0	0.00	205.0	19.3	0.0	0.0	350	29-Aug
PX09	86	242	24.20	35.5	22.9	0.0	0.00	164.0	16.1	0.0	0.0	350	30-Aug
PX09	86	243	22.80	36.5	26.2	0.0	0.00	164.0	17.0	0.0	0.0	350	31-Aug
PX09	86	244	24.00	36.0	24.9	0.0	0.00	145.0	17.3	0.0	0.0	350	01-Sep
PX09	86	245	24.80	40.9	23.6	0.0	0.00	112.0	15.3	0.0	0.0	350	02-Sep
PX09	86	246	23.70	38.6	22.7	0.0	0.00	112.0	13.7	0.0	0.0	350	03-Sep
PX09	86	247	25.70	39.3	22.9	0.0	0.00	100.0	13.6	0.0	0.0	350	04-Sep
PX09	86	248	25.70	40.0	23.1	0.0	0.00	127.0	13.4	0.0	0.0	350	05-Sep
PX09	86	249	24.20	40.8	23.4	0.0	0.00	130.0	13.3	0.0	0.0	350	06-Sep
PX09	86	250	23.90	41.9	26.7	0.0	0.00	331.4	10.4	0.0	0.0	350	07-Sep
PX09	86	251	14.83	39.1	25.6	0.0	0.00	207.0	14.5	0.0	0.0	350	08-Sep
PX09	86	252	20.87	38.6	22.8	0.0	0.00	271.5	13.4	0.0	0.0	350	09-Sep
PX09	86	253	21.10	38.1	20.0	0.0	0.00	260.9	12.2	0.0	0.0	350	10-Sep
PX09	86	254	22.50	35.5	15.8	0.0	0.00	125.0	5.9	0.0	0.0	350	11-Sep
PX09	86	255	17.90	38.5	19.4	0.0	0.00	145.0	9.3	0.0	0.0	350	12-Sep
PX09	86	256	17.80	37.1	20.7	0.0	0.00	157.0	8.1	0.0	0.0	350	13-Sep
PX09	86	257	22.40	37.8	17.5	0.0	0.00	185.0	7.0	0.0	0.0	350	14-Sep
PX09	86	258	20.72	36.7	20.0	0.0	0.00	147.0	8.6	0.0	0.0	350	15-Sep
PX09	86	259	21.20	34.1	16.9	0.0	0.00	136.0	8.0	0.0	0.0	350	16-Sep
PX09	86	260	21.30	33.2	17.6	0.0	0.00	126.0	7.3	0.0	0.0	350	17-Sep
PX09	86	261	20.10	34.2	16.8	0.0	0.00	120.0	6.2	0.0	0.0	350	18-Sep
PX09	86	262	20.80	36.0	18.2	0.0	0.00	112.3	7.4	0.0	0.0	350	19-Sep
PX09	86	263	18.50	36.8	19.6	0.0	0.00	112.3	9.4	0.0	0.0	350	20-Sep
PX09	86	264	7.50	28.8	17.2	0.0	0.00	69.1	9.7	0.0	0.0	350	21-Sep
PX09	86	265	6.60	27.9	20.4	0.0	0.00	112.3	12.1	0.0	0.0	350	22-Sep
PX09	86	266	5.44	24.9	17.6	9.7	0.00	77.8	15.4	0.0	0.0	350	23-Sep
PX09	86	267	18.80	23.9	11.7	0.0	0.00	60.5	9.4	0.0	0.0	350	24-Sep
PX09	86	268	18.60	25.7	14.3	0.5	0.00	65.0	7.1	0.0	0.0	350	25-Sep
PX09	86	269	18.20	28.6	16.5	0.0	0.00	69.1	8.5	0.0	0.0	350	26-Sep
PX09	86	270	21.60	30.8	13.3	0.0	0.00	86.4	9.7	0.0	0.0	350	27-Sep
PX09	86	271	21.30	28.2	14.2	0.0	0.00	95.0	12.6	0.0	0.0	350	28-Sep
PX09	86	272	19.90	27.2	12.5	0.0	0.00	51.8	11.9	0.0	0.0	350	29-Sep
PX09	86	273	20.60	28.0	12.0	0.0	0.00	69.1	12.0	0.0	0.0	350	30-Sep
PX09	86	274	21.20	30.3	12.7	0.0	0.00	250.6	10.7	0.0	0.0	350	01-Oct
PX09	86	275	19.00	26.6	14.3	0.0	0.00	181.4	12.4	0.0	0.0	350	02-Oct
PX09	86	276	17.86	26.5	13.9	0.0	0.00	112.3	11.8	0.0	0.0	350	03-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC		↓			CO2YR	WINDYR
PX08	33.40	112.00	2.30	0 1	1 0	1		350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX08	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX08	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX08	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX08	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX08	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX08	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX08	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX08	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX08	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX08	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX08	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX08	86 99	27.50	33.7	10.6	0.0	0.00	86.0	0.2	0.0	0.0	350	09-Apr
PX08	86 100	17.10	31.6	13.6	0.0	0.00	108.0	0.2	0.0	0.0	350	10-Apr
PX08	86 101	24.30	33.4	13.2	0.0	0.00	121.0	0.9	0.0	0.0	350	11-Apr
PX08	86 102	20.70	34.0	19.0	0.0	0.00	173.0	0.9	0.0	0.0	350	12-Apr
PX08	86 103	27.40	30.1	13.7	0.0	0.00	233.0	0.4	0.0	0.0	350	13-Apr
PX08	86 104	26.70	34.5	10.2	0.0	0.00	122.0	0.6	0.0	0.0	350	14-Apr
PX08	86 105	25.50	36.3	16.4	0.0	0.00	145.0	1.5	0.0	0.0	350	15-Apr
PX08	86 106	24.20	33.1	19.1	0.0	0.00	293.5	1.3	0.0	0.0	350	16-Apr
PX08	86 107	28.50	26.8	14.5	0.0	0.00	271.5	-0.2	0.0	0.0	350	17-Apr
PX08	86 108	28.70	29.5	8.7	0.0	0.00	165.0	0.2	0.0	0.0	350	18-Apr
PX08	86 109	28.80	32.3	9.0	0.0	0.00	97.0	0.2	0.0	0.0	350	19-Apr
PX08	86 110	29.00	35.3	12.8	0.0	0.00	100.0	1.1	0.0	0.0	350	20-Apr
PX08	86 111	28.70	38.3	15.7	0.0	0.00	120.0	1.9	0.0	0.0	350	21-Apr
PX08	86 112	26.30	37.9	16.5	0.0	0.00	175.0	1.9	0.0	0.0	350	22-Apr
PX08	86 113	23.90	35.5	19.5	0.0	0.00	184.0	1.9	0.0	0.0	350	23-Apr
PX08	86 114	24.80	34.6	18.5	0.0	0.00	287.0	1.7	0.0	0.0	350	24-Apr
PX08	86 115	26.30	34.6	19.0	0.0	0.00	305.0	1.5	0.0	0.0	350	25-Apr
PX08	86 116	28.80	32.4	19.1	0.0	0.00	271.8	1.1	0.0	0.0	350	26-Apr
PX08	86 117	29.90	33.4	12.4	0.0	0.00	112.0	0.6	0.0	0.0	350	27-Apr
PX08	86 118	28.10	36.2	14.5	0.0	0.00	120.0	1.5	0.0	0.0	350	28-Apr
PX08	86 119	27.30	36.3	15.8	0.0	0.00	123.0	1.5	0.0	0.0	350	29-Apr
PX08	86 120	26.40	36.7	16.4	0.0	0.00	125.0	1.7	0.0	0.0	350	30-Apr
PX08	86 121	25.40	38.6	19.0	0.0	0.00	190.1	2.1	0.0	0.0	350	01-May
PX08	86 122	28.20	41.2	17.6	0.0	0.00	138.2	2.9	0.0	0.0	350	02-May
PX08	86 123	28.80	39.0	18.6	0.0	0.00	120.0	2.7	0.0	0.0	350	03-May
PX08	86 124	30.10	31.9	17.3	0.0	0.00	190.1	1.3	0.0	0.0	350	04-May
PX08	86 125	29.90	34.1	12.3	0.0	0.00	121.0	1.9	0.0	0.0	350	05-May
PX08	86 126	27.80	31.1	15.5	0.0	0.00	233.3	1.1	0.0	0.0	350	06-May
PX08	86 127	28.90	24.0	13.0	0.0	0.00	293.8	-1.2	0.0	0.0	350	07-May
PX08	86 128	30.20	28.9	9.4	0.0	0.00	146.9	-1.4	0.0	0.0	350	08-May
PX08	86 129	31.80	31.5	10.9	0.0	0.00	164.2	-2.5	0.0	0.0	350	09-May
PX08	86 130	30.30	35.3	13.6	0.0	0.00	146.9	-2.7	0.0	0.0	350	10-May
PX08	86 131	30.70	36.4	15.2	0.0	0.00	155.5	-2.5	0.0	0.0	350	11-May
PX08	86 132	30.70	35.8	14.3	0.0	0.00	86.4	-3.3	0.0	0.0	350	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	86	133	30.40	37.4	15.3	0.0	0.00	120.9	-2.2	0.0	0.0	350	13-May
PX08	86	134	29.10	36.1	16.1	0.0	0.00	138.2	-0.9	0.0	0.0	350	14-May
PX08	86	135	25.50	36.8	17.0	0.0	0.00	207.4	-0.0	0.0	0.0	350	15-May
PX08	86	136	31.20	37.0	18.9	0.0	0.00	207.4	2.3	0.0	0.0	350	16-May
PX08	86	137	30.70	34.1	17.9	0.0	0.00	146.9	-2.2	0.0	0.0	350	17-May
PX08	86	138	30.90	37.8	17.6	0.0	0.00	112.3	-0.7	0.0	0.0	350	18-May
PX08	86	139	30.60	42.1	19.6	0.0	0.00	129.6	-0.0	0.0	0.0	350	19-May
PX08	86	140	29.60	43.9	20.6	0.0	0.00	198.7	0.9	0.0	0.0	350	20-May
PX08	86	141	22.63	37.9	21.4	0.0	0.00	190.1	0.9	0.0	0.0	350	21-May
PX08	86	142	29.10	37.4	19.4	0.0	0.00	103.7	1.3	0.0	0.0	350	22-May
PX08	86	143	27.90	37.7	21.3	0.0	0.00	146.9	3.2	0.0	0.0	350	23-May
PX08	86	144	23.10	38.0	21.4	0.0	0.00	95.0	1.3	0.0	0.0	350	24-May
PX08	86	145	29.90	41.2	19.3	0.0	0.00	129.6	2.1	0.0	0.0	350	25-May
PX08	86	146	29.40	40.8	20.8	0.0	0.00	181.4	2.5	0.0	0.0	350	26-May
PX08	86	147	29.80	41.5	20.6	0.0	0.00	129.6	3.2	0.0	0.0	350	27-May
PX08	86	148	28.57	41.8	21.5	0.0	0.00	146.9	5.8	0.0	0.0	350	28-May
PX08	86	149	26.90	39.8	24.0	0.0	0.00	164.2	8.6	0.0	0.0	350	29-May
PX08	86	150	20.00	36.7	24.9	0.0	0.00	172.8	11.0	0.0	0.0	350	30-May
PX08	86	151	25.50	38.2	21.8	0.0	0.00	172.8	13.3	0.0	0.0	350	31-May
PX08	86	152	26.30	40.3	22.3	0.5	0.00	164.2	10.5	0.0	0.0	350	01-Jun
PX08	86	153	25.14	39.7	22.4	0.0	0.00	181.4	12.2	0.0	0.0	350	02-Jun
PX08	86	154	28.73	40.6	23.4	0.0	0.00	164.2	12.4	0.0	0.0	350	03-Jun
PX08	86	155	29.30	40.3	25.7	0.0	0.00	164.2	12.6	0.0	0.0	350	04-Jun
PX08	86	156	29.40	40.2	24.9	0.0	0.00	164.2	11.0	0.0	0.0	350	05-Jun
PX08	86	157	30.60	40.1	19.8	0.0	0.00	103.7	6.5	0.0	0.0	350	06-Jun
PX08	86	158	31.10	40.7	20.8	0.0	0.00	129.6	4.8	0.0	0.0	350	07-Jun
PX08	86	159	31.30	38.4	21.7	0.0	0.00	164.2	2.1	0.0	0.0	350	08-Jun
PX08	86	160	28.70	39.0	20.7	0.0	0.00	181.4	3.8	0.0	0.0	350	09-Jun
PX08	86	161	31.00	40.0	19.1	0.0	0.00	112.3	1.9	0.0	0.0	350	10-Jun
PX08	86	162	30.80	40.0	20.0	0.0	0.00	95.0	5.0	0.0	0.0	350	11-Jun
PX08	86	163	31.00	40.5	20.5	0.0	0.00	120.9	5.9	0.0	0.0	350	12-Jun
PX08	86	164	31.10	41.1	21.1	0.0	0.00	132.0	6.8	0.0	0.0	350	13-Jun
PX08	86	165	31.30	41.6	21.6	0.0	0.00	114.0	7.8	0.0	0.0	350	14-Jun
PX08	86	166	30.14	42.4	24.5	0.0	0.00	129.6	10.5	0.0	0.0	350	15-Jun
PX08	86	167	29.50	41.8	24.5	0.0	0.00	155.5	8.0	0.0	0.0	350	16-Jun
PX08	86	168	29.70	41.8	28.7	0.0	0.00	155.5	10.7	0.0	0.0	350	17-Jun
PX08	86	169	30.60	39.8	23.4	0.0	0.00	172.8	7.0	0.0	0.0	350	18-Jun
PX08	86	170	30.90	40.4	22.6	0.0	0.00	120.0	5.0	0.0	0.0	350	19-Jun
PX08	86	171	31.30	41.5	21.3	0.0	0.00	155.5	4.6	0.0	0.0	350	20-Jun
PX08	86	172	27.70	41.6	21.0	0.0	0.00	121.0	4.6	0.0	0.0	350	21-Jun
PX08	86	173	24.10	39.0	21.1	0.0	0.00	172.8	4.5	0.0	0.0	350	22-Jun
PX08	86	174	29.60	41.3	24.4	0.0	0.00	216.0	7.3	0.0	0.0	350	23-Jun
PX08	86	175	28.90	40.8	27.6	0.0	0.00	337.0	12.4	0.0	0.0	350	24-Jun
PX08	86	176	29.40	38.2	26.3	0.0	0.00	267.8	15.8	0.0	0.0	350	25-Jun
PX08	86	177	29.30	39.8	25.4	0.0	0.00	95.0	14.7	0.0	0.0	350	26-Jun
PX08	86	178	29.70	40.0	27.4	0.0	0.00	138.2	14.0	0.0	0.0	350	27-Jun
PX08	86	179	20.70	38.9	29.1	0.0	0.00	138.2	15.0	0.0	0.0	350	28-Jun
PX08	86	180	13.60	34.4	27.2	0.0	0.00	259.2	15.8	0.0	0.0	350	29-Jun
PX08	86	181	28.30	37.5	24.3	0.0	0.00	138.2	16.9	0.0	0.0	350	30-Jun
PX08	86	182	29.20	38.2	24.3	10.9	0.00	198.7	18.9	0.0	0.0	350	01-Jul
PX08	86	183	28.30	39.8	25.2	14.0	0.00	121.0	22.2	0.0	0.0	350	02-Jul
PX08	86	184	22.90	36.0	24.9	0.0	0.00	130.0	21.3	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	86	185	22.60	34.5	23.7	1.3	0.00	190.1	20.2	0.0	0.0	350	04-Jul
PX08	86	186	30.90	36.7	22.9	0.0	0.00	181.4	15.9	0.0	0.0	350	05-Jul
PX08	86	187	30.70	38.4	21.6	0.0	0.00	181.4	14.0	0.0	0.0	350	06-Jul
PX08	86	188	18.40	37.0	26.9	0.0	0.00	181.4	15.8	0.0	0.0	350	07-Jul
PX08	86	189	29.80	39.5	25.2	0.0	0.00	155.5	15.1	0.0	0.0	350	08-Jul
PX08	86	190	29.80	37.1	26.7	0.0	0.00	172.8	17.4	0.0	0.0	350	09-Jul
PX08	86	191	29.30	37.7	27.6	0.0	0.00	155.5	17.7	0.0	0.0	350	10-Jul
PX08	86	192	29.60	37.9	27.0	0.0	0.00	146.9	17.1	0.0	0.0	350	11-Jul
PX08	86	193	30.40	38.2	26.0	0.0	0.00	164.2	12.3	0.0	0.0	350	12-Jul
PX08	86	194	26.70	37.2	25.5	0.0	0.00	198.7	15.8	0.0	0.0	350	13-Jul
PX08	86	195	22.12	34.9	27.8	0.0	0.00	207.4	18.4	0.0	0.0	350	14-Jul
PX08	86	196	25.80	36.2	25.9	0.0	0.00	198.7	18.9	0.0	0.0	350	15-Jul
PX08	86	197	23.30	35.6	25.4	0.0	0.00	302.4	18.7	0.0	0.0	350	16-Jul
PX08	86	198	30.70	35.7	23.2	0.0	0.00	181.4	18.4	0.0	0.0	350	17-Jul
PX08	86	199	22.40	36.7	26.6	0.0	0.00	138.2	18.6	0.0	0.0	350	18-Jul
PX08	86	200	28.00	40.4	26.1	0.0	0.00	181.4	18.0	0.0	0.0	350	19-Jul
PX08	86	201	26.40	41.6	22.2	0.0	0.00	164.2	16.0	0.0	0.0	350	20-Jul
PX08	86	202	13.41	28.5	20.7	15.2	0.00	146.9	20.2	0.0	0.0	350	21-Jul
PX08	86	203	28.20	34.3	21.1	0.0	0.00	121.0	19.7	0.0	0.0	350	22-Jul
PX08	86	204	19.40	35.7	23.0	0.0	0.00	172.8	17.3	0.0	0.0	350	23-Jul
PX08	86	205	28.70	37.1	25.3	0.0	0.00	241.9	17.6	0.0	0.0	350	24-Jul
PX08	86	206	26.50	37.1	24.0	0.0	0.00	250.6	14.3	0.0	0.0	350	25-Jul
PX08	86	207	29.70	38.4	21.7	0.0	0.00	112.3	11.4	0.0	0.0	350	26-Jul
PX08	86	208	29.40	39.5	19.9	0.0	0.00	103.7	9.2	0.0	0.0	350	27-Jul
PX08	86	209	25.00	39.8	21.2	0.0	0.00	69.1	13.4	0.0	0.0	350	28-Jul
PX08	86	210	28.30	39.9	23.8	0.0	0.00	198.7	13.3	0.0	0.0	350	29-Jul
PX08	86	211	29.10	39.7	22.3	0.0	0.00	146.9	13.2	0.0	0.0	350	30-Jul
PX08	86	212	28.80	41.1	22.6	0.0	0.00	146.9	14.1	0.0	0.0	350	31-Jul
PX08	86	213	27.70	40.0	24.6	0.0	0.00	164.2	14.3	0.0	0.0	350	01-Aug
PX08	86	214	25.40	40.0	28.5	0.0	0.00	181.4	18.4	0.0	0.0	350	02-Aug
PX08	86	215	20.50	41.7	26.2	0.0	0.00	103.7	16.9	0.0	0.0	350	03-Aug
PX08	86	216	27.70	44.4	27.3	0.0	0.00	138.2	15.4	0.0	0.0	350	04-Aug
PX08	86	217	26.20	41.0	28.6	0.0	0.00	129.6	16.5	0.0	0.0	350	05-Aug
PX08	86	218	22.70	37.7	27.7	0.0	0.00	164.2	18.1	0.0	0.0	350	06-Aug
PX08	86	219	27.30	39.6	27.4	2.8	0.00	198.7	17.6	0.0	0.0	350	07-Aug
PX08	86	220	20.24	37.5	26.2	0.0	0.00	172.8	18.4	0.0	0.0	350	08-Aug
PX08	86	221	27.10	39.6	26.7	1.1	0.00	155.5	16.3	0.0	0.0	350	09-Aug
PX08	86	222	25.00	39.4	26.1	0.0	0.00	155.5	18.9	0.0	0.0	350	10-Aug
PX08	86	223	21.90	43.0	27.3	0.0	0.00	172.8	19.8	0.0	0.0	350	11-Aug
PX08	86	224	24.20	38.7	27.6	0.0	0.00	129.6	20.3	0.0	0.0	350	12-Aug
PX08	86	225	26.60	39.4	26.8	0.0	0.00	112.3	20.6	0.0	0.0	350	13-Aug
PX08	86	226	26.50	39.5	27.5	0.0	0.00	138.2	19.9	0.0	0.0	350	14-Aug
PX08	86	227	27.10	39.3	27.3	0.0	0.00	150.0	18.0	0.0	0.0	350	15-Aug
PX08	86	228	26.60	39.8	27.3	0.0	0.00	146.9	18.7	0.0	0.0	350	16-Aug
PX08	86	229	19.70	38.6	28.8	0.0	0.00	198.7	19.1	0.0	0.0	350	17-Aug
PX08	86	230	14.70	42.2	27.1	0.0	0.00	95.0	18.9	0.0	0.0	350	18-Aug
PX08	86	231	25.30	44.0	26.4	0.0	0.00	95.0	18.9	0.0	0.0	350	19-Aug
PX08	86	232	25.00	42.2	28.3	0.0	0.00	112.3	18.7	0.0	0.0	350	20-Aug
PX08	86	233	21.70	41.7	27.5	0.0	0.00	205.0	17.6	0.0	0.0	350	21-Aug
PX08	86	234	26.90	41.1	26.8	0.0	0.00	131.0	16.7	0.0	0.0	350	22-Aug
PX08	86	235	18.70	40.6	26.1	0.0	0.00	241.9	15.7	0.0	0.0	350	23-Aug
PX08	86	236	17.80	34.8	24.5	0.0	0.00	121.0	19.6	0.0	0.0	350	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	86	237	20.90	38.0	23.5	0.5	0.00	200.0	18.7	0.0	0.0	350	25-Aug
PX08	86	238	21.40	36.6	23.1	5.3	0.00	200.0	20.1	0.0	0.0	350	26-Aug
PX08	86	239	19.12	35.1	23.5	23.1	0.00	137.0	21.4	0.0	0.0	350	27-Aug
PX08	86	240	24.20	35.3	23.8	0.8	0.00	178.0	21.2	0.0	0.0	350	28-Aug
PX08	86	241	20.50	34.8	22.8	2.0	0.00	205.0	22.3	0.0	0.0	350	29-Aug
PX08	86	242	24.20	34.7	22.7	0.0	0.00	164.0	19.7	0.0	0.0	350	30-Aug
PX08	86	243	22.80	35.9	25.8	0.0	0.00	164.0	19.9	0.0	0.0	350	31-Aug
PX08	86	244	24.00	36.0	24.7	0.0	0.00	145.0	17.4	0.0	0.0	350	01-Sep
PX08	86	245	24.80	37.2	23.0	0.0	0.00	112.0	15.3	0.0	0.0	350	02-Sep
PX08	86	246	23.70	38.2	21.9	0.0	0.00	112.0	13.5	0.0	0.0	350	03-Sep
PX08	86	247	25.70	39.1	22.1	0.0	0.00	100.0	12.6	0.0	0.0	350	04-Sep
PX08	86	248	25.70	40.0	22.4	0.0	0.00	127.0	12.1	0.0	0.0	350	05-Sep
PX08	86	249	24.20	40.9	22.6	0.0	0.00	130.0	11.3	0.0	0.0	350	06-Sep
PX08	86	250	23.90	41.6	25.8	0.0	0.00	331.4	12.1	0.0	0.0	350	07-Sep
PX08	86	251	14.83	37.6	25.4	0.0	0.00	207.0	14.0	0.0	0.0	350	08-Sep
PX08	86	252	20.87	35.8	21.8	0.0	0.00	271.5	15.9	0.0	0.0	350	09-Sep
PX08	86	253	21.10	34.3	18.9	0.0	0.00	260.9	14.3	0.0	0.0	350	10-Sep
PX08	86	254	22.50	35.9	14.8	0.0	0.00	125.0	6.8	0.0	0.0	350	11-Sep
PX08	86	255	17.90	36.7	18.4	0.0	0.00	145.0	10.3	0.0	0.0	350	12-Sep
PX08	86	256	17.80	35.5	20.0	0.0	0.00	157.0	9.3	0.0	0.0	350	13-Sep
PX08	86	257	22.40	36.5	17.4	0.0	0.00	185.0	8.4	0.0	0.0	350	14-Sep
PX08	86	258	20.72	36.8	19.9	0.0	0.00	147.0	9.9	0.0	0.0	350	15-Sep
PX08	86	259	21.20	35.8	15.8	0.0	0.00	136.0	8.9	0.0	0.0	350	16-Sep
PX08	86	260	21.30	35.0	17.0	0.0	0.00	126.0	6.7	0.0	0.0	350	17-Sep
PX08	86	261	20.10	36.4	17.8	0.0	0.00	120.0	5.3	0.0	0.0	350	18-Sep
PX08	86	262	20.80	35.5	18.7	0.0	0.00	112.3	8.4	0.0	0.0	350	19-Sep
PX08	86	263	18.50	32.0	19.9	0.0	0.00	112.3	9.0	0.0	0.0	350	20-Sep
PX08	86	264	7.50	28.5	17.8	0.0	0.00	69.1	11.4	0.0	0.0	350	21-Sep
PX08	86	265	6.60	26.3	16.0	0.0	0.00	112.3	15.1	0.0	0.0	350	22-Sep
PX08	86	266	5.44	26.3	16.0	9.7	0.00	77.8	15.1	0.0	0.0	350	23-Sep
PX08	86	267	18.80	24.5	11.8	0.0	0.00	60.5	9.4	0.0	0.0	350	24-Sep
PX08	86	268	18.60	27.0	14.1	0.5	0.00	65.0	9.9	0.0	0.0	350	25-Sep
PX08	86	269	18.20	29.5	16.3	0.0	0.00	69.1	10.4	0.0	0.0	350	26-Sep
PX08	86	270	21.60	31.1	12.9	0.0	0.00	86.4	9.3	0.0	0.0	350	27-Sep
PX08	86	271	21.30	31.3	14.2	0.0	0.00	95.0	7.7	0.0	0.0	350	28-Sep
PX08	86	272	19.90	29.6	13.7	0.0	0.00	51.8	7.0	0.0	0.0	350	29-Sep
PX08	86	273	20.60	31.0	12.9	0.0	0.00	69.1	6.7	0.0	0.0	350	30-Sep
PX08	86	274	21.20	34.0	13.9	0.0	0.00	250.6	4.3	0.0	0.0	350	01-Oct
PX08	86	275	19.00	28.7	17.1	0.0	0.00	181.4	6.7	0.0	0.0	350	02-Oct
PX08	86	276	17.86	27.9	16.0	0.0	0.00	112.3	7.1	0.0	0.0	350	03-Oct

FILENAME: PX100308.W86   WEATHER DATA FOR CO2=AMBIENT, IRR=DRY, NIT=+, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW XLAT XLONG PARFAC   ↓   CO2YR WINDYR
PX10 33.40 112.00 2.30 0 1 1 0 1 350   0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	86	87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX10	86	88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX10	86	89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX10	86	90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX10	86	91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX10	86	92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX10	86	93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX10	86	94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX10	86	95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX10	86	96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX10	86	97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX10	86	98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX10	86	99	27.50	33.8	11.5	0.0	0.00	86.0	-1.9	0.0	0.0	350	09-Apr
PX10	86	100	17.10	31.9	14.4	0.0	0.00	108.0	-1.9	0.0	0.0	350	10-Apr
PX10	86	101	24.30	33.5	14.0	0.0	0.00	121.0	-1.4	0.0	0.0	350	11-Apr
PX10	86	102	20.70	34.1	19.6	0.0	0.00	173.0	-1.2	0.0	0.0	350	12-Apr
PX10	86	103	27.40	30.5	14.5	0.0	0.00	233.0	-1.9	0.0	0.0	350	13-Apr
PX10	86	104	26.70	34.6	11.1	0.0	0.00	122.0	-1.7	0.0	0.0	350	14-Apr
PX10	86	105	25.50	36.3	17.1	0.0	0.00	145.0	-0.2	0.0	0.0	350	15-Apr
PX10	86	106	24.20	33.3	19.7	0.0	0.00	293.5	-0.7	0.0	0.0	350	16-Apr
PX10	86	107	28.50	27.5	15.2	0.0	0.00	271.5	-2.7	0.0	0.0	350	17-Apr
PX10	86	108	28.70	29.9	9.6	0.0	0.00	165.0	-2.2	0.0	0.0	350	18-Apr
PX10	86	109	28.80	32.6	9.9	0.0	0.00	97.0	-1.9	0.0	0.0	350	19-Apr
PX10	86	110	29.00	35.4	13.6	0.0	0.00	100.0	-0.9	0.0	0.0	350	20-Apr
PX10	86	111	28.70	38.2	16.4	0.0	0.00	120.0	0.2	0.0	0.0	350	21-Apr
PX10	86	112	26.30	37.8	17.2	0.0	0.00	175.0	0.2	0.0	0.0	350	22-Apr
PX10	86	113	23.90	35.5	20.1	0.0	0.00	184.0	-0.0	0.0	0.0	350	23-Apr
PX10	86	114	24.80	34.7	19.1	0.0	0.00	287.0	-0.2	0.0	0.0	350	24-Apr
PX10	86	115	26.30	34.7	19.6	0.0	0.00	305.0	-0.5	0.0	0.0	350	25-Apr
PX10	86	116	28.80	32.7	19.7	0.0	0.00	271.8	-0.9	0.0	0.0	350	26-Apr
PX10	86	117	29.90	33.5	13.2	0.0	0.00	112.0	-1.4	0.0	0.0	350	27-Apr
PX10	86	118	28.10	36.2	15.2	0.0	0.00	120.0	-0.5	0.0	0.0	350	28-Apr
PX10	86	119	27.30	36.3	16.5	0.0	0.00	123.0	-0.2	0.0	0.0	350	29-Apr
PX10	86	120	26.40	36.7	17.1	0.0	0.00	125.0	-0.0	0.0	0.0	350	30-Apr
PX10	86	121	25.40	38.5	19.6	0.0	0.00	190.1	-0.5	0.0	0.0	350	01-May
PX10	86	122	28.20	40.9	18.2	0.0	0.00	138.2	1.5	0.0	0.0	350	02-May
PX10	86	123	28.80	38.8	19.2	0.0	0.00	120.0	1.5	0.0	0.0	350	03-May
PX10	86	124	30.10	32.2	18.0	0.0	0.00	190.1	-0.9	0.0	0.0	350	04-May
PX10	86	125	29.90	33.5	13.9	0.0	0.00	121.0	-4.7	0.0	0.0	350	05-May
PX10	86	126	27.80	31.5	16.3	0.0	0.00	233.3	1.5	0.0	0.0	350	06-May
PX10	86	127	28.90	24.6	13.4	0.0	0.00	293.8	-1.2	0.0	0.0	350	07-May
PX10	86	128	30.20	29.4	10.0	0.0	0.00	146.9	-2.2	0.0	0.0	350	08-May
PX10	86	129	31.80	32.2	11.4	0.0	0.00	164.2	-3.5	0.0	0.0	350	09-May
PX10	86	130	30.30	35.7	13.6	0.0	0.00	146.9	-3.5	0.0	0.0	350	10-May
PX10	86	131	30.70	36.5	15.6	0.0	0.00	155.5	-3.3	0.0	0.0	350	11-May
PX10	86	132	30.70	35.7	14.8	0.0	0.00	86.4	-3.8	0.0	0.0	350	12-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	86 133	30.40	37.2	15.7	0.0	0.00	120.9	-2.2	0.0	0.0	350	13-May
PX10	86 134	29.10	35.9	16.5	0.0	0.00	138.2	-1.2	0.0	0.0	350	14-May
PX10	86 135	25.50	37.0	17.5	0.0	0.00	207.4	-0.9	0.0	0.0	350	15-May
PX10	86 136	31.20	36.9	19.2	0.0	0.00	207.4	2.3	0.0	0.0	350	16-May
PX10	86 137	30.70	33.9	18.1	0.0	0.00	146.9	-1.9	0.0	0.0	350	17-May
PX10	86 138	30.90	37.7	17.8	0.0	0.00	112.3	-0.7	0.0	0.0	350	18-May
PX10	86 139	30.60	42.2	19.9	0.0	0.00	129.6	-0.0	0.0	0.0	350	19-May
PX10	86 140	29.60	42.4	20.9	0.0	0.00	198.7	1.3	0.0	0.0	350	20-May
PX10	86 141	22.63	37.5	21.6	0.0	0.00	190.1	1.5	0.0	0.0	350	21-May
PX10	86 142	29.10	36.7	19.1	0.0	0.00	103.7	1.9	0.0	0.0	350	22-May
PX10	86 143	27.90	37.2	21.6	0.0	0.00	146.9	3.9	0.0	0.0	350	23-May
PX10	86 144	23.10	37.5	21.3	0.0	0.00	95.0	2.7	0.0	0.0	350	24-May
PX10	86 145	29.90	40.7	19.7	0.0	0.00	129.6	4.3	0.0	0.0	350	25-May
PX10	86 146	29.40	40.8	21.1	0.0	0.00	181.4	5.0	0.0	0.0	350	26-May
PX10	86 147	29.80	40.9	21.2	0.0	0.00	129.6	6.5	0.0	0.0	350	27-May
PX10	86 148	28.57	41.5	22.2	0.0	0.00	146.9	8.8	0.0	0.0	350	28-May
PX10	86 149	26.90	39.6	24.2	0.0	0.00	164.2	11.3	0.0	0.0	350	29-May
PX10	86 150	20.00	36.1	24.8	0.0	0.00	172.8	13.2	0.0	0.0	350	30-May
PX10	86 151	25.50	38.0	21.7	0.0	0.00	172.8	15.0	0.0	0.0	350	31-May
PX10	86 152	26.30	40.3	22.4	0.5	0.00	164.2	13.1	0.0	0.0	350	01-Jun
PX10	86 153	25.14	39.6	22.7	0.0	0.00	181.4	14.8	0.0	0.0	350	02-Jun
PX10	86 154	28.73	40.5	23.2	0.0	0.00	164.2	15.3	0.0	0.0	350	03-Jun
PX10	86 155	29.30	39.8	25.6	0.0	0.00	164.2	16.1	0.0	0.0	350	04-Jun
PX10	86 156	29.40	40.2	24.7	0.0	0.00	164.2	15.0	0.0	0.0	350	05-Jun
PX10	86 157	30.60	40.0	19.8	0.0	0.00	103.7	12.1	0.0	0.0	350	06-Jun
PX10	86 158	31.10	40.7	20.8	0.0	0.00	129.6	4.8	0.0	0.0	350	07-Jun
PX10	86 159	31.30	38.8	21.6	0.0	0.00	164.2	6.2	0.0	0.0	350	08-Jun
PX10	86 160	28.70	39.7	20.7	0.0	0.00	181.4	6.8	0.0	0.0	350	09-Jun
PX10	86 161	31.00	40.6	19.4	0.0	0.00	112.3	2.1	0.0	0.0	350	10-Jun
PX10	86 162	30.80	39.6	19.4	0.0	0.00	95.0	5.6	0.0	0.0	350	11-Jun
PX10	86 163	31.00	39.6	19.4	0.0	0.00	120.9	6.4	0.0	0.0	350	12-Jun
PX10	86 164	31.10	40.4	20.3	0.0	0.00	132.0	7.0	0.0	0.0	350	13-Jun
PX10	86 165	31.30	41.2	21.2	0.0	0.00	114.0	7.7	0.0	0.0	350	14-Jun
PX10	86 166	30.14	42.0	22.1	0.0	0.00	129.6	8.2	0.0	0.0	350	15-Jun
PX10	86 167	29.50	42.7	24.7	0.0	0.00	155.5	8.6	0.0	0.0	350	16-Jun
PX10	86 168	29.70	43.7	28.7	0.0	0.00	155.5	10.7	0.0	0.0	350	17-Jun
PX10	86 169	30.60	39.6	23.6	0.0	0.00	172.8	7.5	0.0	0.0	350	18-Jun
PX10	86 170	30.90	40.3	22.7	0.0	0.00	120.0	5.8	0.0	0.0	350	19-Jun
PX10	86 171	31.30	41.5	21.6	0.0	0.00	155.5	6.1	0.0	0.0	350	20-Jun
PX10	86 172	27.70	42.1	22.1	0.0	0.00	121.0	6.8	0.0	0.0	350	21-Jun
PX10	86 173	24.10	39.7	22.6	0.0	0.00	172.8	8.0	0.0	0.0	350	22-Jun
PX10	86 174	29.60	42.6	24.9	0.0	0.00	216.0	8.5	0.0	0.0	350	23-Jun
PX10	86 175	28.90	41.8	27.3	0.0	0.00	337.0	12.5	0.0	0.0	350	24-Jun
PX10	86 176	29.40	38.3	26.2	0.0	0.00	267.8	16.0	0.0	0.0	350	25-Jun
PX10	86 177	29.30	40.3	25.9	0.0	0.00	95.0	14.8	0.0	0.0	350	26-Jun
PX10	86 178	29.70	40.7	27.7	0.0	0.00	138.2	13.7	0.0	0.0	350	27-Jun
PX10	86 179	20.70	39.6	29.3	0.0	0.00	138.2	14.4	0.0	0.0	350	28-Jun
PX10	86 180	13.60	34.9	27.2	0.0	0.00	259.2	15.1	0.0	0.0	350	29-Jun
PX10	86 181	28.30	38.2	24.5	0.0	0.00	138.2	16.6	0.0	0.0	350	30-Jun
PX10	86 182	29.20	39.1	23.4	10.9	0.00	198.7	18.7	0.0	0.0	350	01-Jul
PX10	86 183	28.30	36.6	24.4	14.0	0.00	121.0	22.0	0.0	0.0	350	02-Jul
PX10	86 184	22.90	36.6	24.5	0.0	0.00	130.0	22.2	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	86	185	22.60	34.4	23.6	1.3	0.00	190.1	20.3	0.0	0.0	350	04-Jul
PX10	86	186	30.90	36.4	23.3	0.0	0.00	181.4	14.6	0.0	0.0	350	05-Jul
PX10	86	187	30.70	37.9	21.8	0.0	0.00	181.4	11.9	0.0	0.0	350	06-Jul
PX10	86	188	18.40	36.6	27.1	0.0	0.00	181.4	14.2	0.0	0.0	350	07-Jul
PX10	86	189	29.80	39.1	25.6	0.0	0.00	155.5	17.3	0.0	0.0	350	08-Jul
PX10	86	190	29.80	36.8	26.7	0.0	0.00	172.8	19.6	0.0	0.0	350	09-Jul
PX10	86	191	29.30	37.3	27.7	0.0	0.00	155.5	19.8	0.0	0.0	350	10-Jul
PX10	86	192	29.60	37.7	27.3	0.0	0.00	146.9	19.6	0.0	0.0	350	11-Jul
PX10	86	193	30.40	38.4	26.0	0.0	0.00	164.2	13.6	0.0	0.0	350	12-Jul
PX10	86	194	26.70	37.7	25.8	0.0	0.00	198.7	15.6	0.0	0.0	350	13-Jul
PX10	86	195	22.12	35.8	28.1	0.0	0.00	207.4	18.0	0.0	0.0	350	14-Jul
PX10	86	196	25.80	36.2	26.1	0.0	0.00	198.7	17.9	0.0	0.0	350	15-Jul
PX10	86	197	23.30	35.2	25.3	0.0	0.00	302.4	18.9	0.0	0.0	350	16-Jul
PX10	86	198	30.70	35.4	23.3	0.0	0.00	181.4	18.9	0.0	0.0	350	17-Jul
PX10	86	199	22.40	36.1	26.6	0.0	0.00	138.2	18.7	0.0	0.0	350	18-Jul
PX10	86	200	28.00	40.1	26.4	0.0	0.00	181.4	18.9	0.0	0.0	350	19-Jul
PX10	86	201	26.40	41.8	22.3	0.0	0.00	164.2	18.4	0.0	0.0	350	20-Jul
PX10	86	202	13.41	28.3	20.7	15.2	0.00	146.9	19.4	0.0	0.0	350	21-Jul
PX10	86	203	28.20	33.8	21.2	0.0	0.00	121.0	20.4	0.0	0.0	350	22-Jul
PX10	86	204	19.40	36.2	23.1	0.0	0.00	172.8	20.0	0.0	0.0	350	23-Jul
PX10	86	205	28.70	36.6	25.7	0.0	0.00	241.9	18.9	0.0	0.0	350	24-Jul
PX10	86	206	26.50	37.7	24.2	0.0	0.00	250.6	16.8	0.0	0.0	350	25-Jul
PX10	86	207	29.70	38.1	20.6	0.0	0.00	112.3	14.7	0.0	0.0	350	26-Jul
PX10	86	208	29.40	39.8	20.7	0.0	0.00	103.7	8.8	0.0	0.0	350	27-Jul
PX10	86	209	25.00	40.1	21.5	0.0	0.00	69.1	10.6	0.0	0.0	350	28-Jul
PX10	86	210	28.30	39.5	24.4	0.0	0.00	198.7	13.9	0.0	0.0	350	29-Jul
PX10	86	211	29.10	39.2	22.6	0.0	0.00	146.9	11.9	0.0	0.0	350	30-Jul
PX10	86	212	28.80	41.5	23.0	0.0	0.00	146.9	11.2	0.0	0.0	350	31-Jul
PX10	86	213	27.70	40.6	25.6	0.0	0.00	164.2	13.7	0.0	0.0	350	01-Aug
PX10	86	214	25.40	40.9	28.8	0.0	0.00	181.4	17.9	0.0	0.0	350	02-Aug
PX10	86	215	20.50	42.6	26.9	0.0	0.00	103.7	16.1	0.0	0.0	350	03-Aug
PX10	86	216	27.70	45.1	27.6	0.0	0.00	138.2	14.8	0.0	0.0	350	04-Aug
PX10	86	217	26.20	42.2	28.6	0.0	0.00	129.6	16.3	0.0	0.0	350	05-Aug
PX10	86	218	22.70	38.5	27.7	0.0	0.00	164.2	18.2	0.0	0.0	350	06-Aug
PX10	86	219	27.30	40.6	27.7	2.8	0.00	198.7	17.8	0.0	0.0	350	07-Aug
PX10	86	220	20.24	37.8	26.5	0.0	0.00	172.8	18.0	0.0	0.0	350	08-Aug
PX10	86	221	27.10	40.8	27.1	1.1	0.00	155.5	18.0	0.0	0.0	350	09-Aug
PX10	86	222	25.00	39.8	26.3	0.0	0.00	155.5	19.2	0.0	0.0	350	10-Aug
PX10	86	223	21.90	41.8	27.5	0.0	0.00	172.8	20.1	0.0	0.0	350	11-Aug
PX10	86	224	24.20	38.9	27.9	0.0	0.00	129.6	19.9	0.0	0.0	350	12-Aug
PX10	86	225	26.60	40.2	27.1	0.0	0.00	112.3	20.2	0.0	0.0	350	13-Aug
PX10	86	226	26.50	40.6	28.0	0.0	0.00	138.2	19.5	0.0	0.0	350	14-Aug
PX10	86	227	27.10	40.3	28.1	0.0	0.00	150.0	17.3	0.0	0.0	350	15-Aug
PX10	86	228	26.60	40.6	27.8	0.0	0.00	146.9	18.0	0.0	0.0	350	16-Aug
PX10	86	229	19.70	39.1	28.6	0.0	0.00	198.7	18.6	0.0	0.0	350	17-Aug
PX10	86	230	14.70	39.6	27.1	0.0	0.00	95.0	18.6	0.0	0.0	350	18-Aug
PX10	86	231	25.30	44.6	27.4	0.0	0.00	95.0	17.7	0.0	0.0	350	19-Aug
PX10	86	232	25.00	42.4	28.5	0.0	0.00	112.3	18.5	0.0	0.0	350	20-Aug
PX10	86	233	21.70	41.9	27.8	0.0	0.00	205.0	17.7	0.0	0.0	350	21-Aug
PX10	86	234	26.90	41.4	27.1	0.0	0.00	131.0	16.8	0.0	0.0	350	22-Aug
PX10	86	235	18.70	40.9	26.4	0.0	0.00	241.9	15.6	0.0	0.0	350	23-Aug
PX10	86	236	17.80	35.1	24.7	0.0	0.00	121.0	19.5	0.0	0.0	350	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	86	237	20.90	38.5	23.0	0.5	0.00	200.0	19.3	0.0	0.0	350	25-Aug
PX10	86	238	21.40	35.3	23.5	5.3	0.00	200.0	20.7	0.0	0.0	350	26-Aug
PX10	86	239	19.12	35.4	23.4	23.1	0.00	137.0	21.4	0.0	0.0	350	27-Aug
PX10	86	240	24.20	35.3	24.0	0.8	0.00	178.0	20.4	0.0	0.0	350	28-Aug
PX10	86	241	20.50	35.9	24.1	2.0	0.00	205.0	20.8	0.0	0.0	350	29-Aug
PX10	86	242	24.20	35.3	22.9	0.0	0.00	164.0	19.9	0.0	0.0	350	30-Aug
PX10	86	243	22.80	36.5	26.2	0.0	0.00	164.0	20.2	0.0	0.0	350	31-Aug
PX10	86	244	24.00	36.0	24.8	0.0	0.00	145.0	17.7	0.0	0.0	350	01-Sep
PX10	86	245	24.80	37.6	23.7	0.0	0.00	112.0	15.5	0.0	0.0	350	02-Sep
PX10	86	246	23.70	38.5	22.9	0.0	0.00	112.0	15.4	0.0	0.0	350	03-Sep
PX10	86	247	25.70	39.2	22.7	0.0	0.00	100.0	14.5	0.0	0.0	350	04-Sep
PX10	86	248	25.70	39.9	22.5	0.0	0.00	127.0	13.4	0.0	0.0	350	05-Sep
PX10	86	249	24.20	40.6	22.1	0.0	0.00	130.0	12.4	0.0	0.0	350	06-Sep
PX10	86	250	23.90	41.9	26.7	0.0	0.00	331.4	11.3	0.0	0.0	350	07-Sep
PX10	86	251	14.83	37.8	25.5	0.0	0.00	207.0	14.6	0.0	0.0	350	08-Sep
PX10	86	252	20.87	36.4	22.6	0.0	0.00	271.5	13.4	0.0	0.0	350	09-Sep
PX10	86	253	21.10	34.3	20.1	0.0	0.00	260.9	12.1	0.0	0.0	350	10-Sep
PX10	86	254	22.50	36.0	15.8	0.0	0.00	125.0	6.1	0.0	0.0	350	11-Sep
PX10	86	255	17.90	36.7	19.4	0.0	0.00	145.0	9.4	0.0	0.0	350	12-Sep
PX10	86	256	17.80	35.4	20.6	0.0	0.00	157.0	8.5	0.0	0.0	350	13-Sep
PX10	86	257	22.40	36.5	17.5	0.0	0.00	185.0	7.3	0.0	0.0	350	14-Sep
PX10	86	258	20.72	36.6	20.1	0.0	0.00	147.0	9.0	0.0	0.0	350	15-Sep
PX10	86	259	21.20	35.1	16.7	0.0	0.00	136.0	8.4	0.0	0.0	350	16-Sep
PX10	86	260	21.30	34.3	17.7	0.0	0.00	126.0	6.7	0.0	0.0	350	17-Sep
PX10	86	261	20.10	34.2	16.8	0.0	0.00	120.0	7.1	0.0	0.0	350	18-Sep
PX10	86	262	20.80	35.5	18.2	0.0	0.00	112.3	6.5	0.0	0.0	350	19-Sep
PX10	86	263	18.50	34.8	19.5	0.0	0.00	112.3	8.8	0.0	0.0	350	20-Sep
PX10	86	264	7.50	28.9	17.2	0.0	0.00	69.1	9.2	0.0	0.0	350	21-Sep
PX10	86	265	6.60	27.9	16.6	0.0	0.00	112.3	11.6	0.0	0.0	350	22-Sep
PX10	86	266	5.44	25.5	16.1	9.7	0.00	77.8	15.2	0.0	0.0	350	23-Sep
PX10	86	267	18.80	23.9	11.7	0.0	0.00	60.5	9.4	0.0	0.0	350	24-Sep
PX10	86	268	18.60	26.2	14.1	0.5	0.00	65.0	9.7	0.0	0.0	350	25-Sep
PX10	86	269	18.20	28.6	16.5	0.0	0.00	69.1	9.9	0.0	0.0	350	26-Sep
PX10	86	270	21.60	31.0	13.2	0.0	0.00	86.4	9.9	0.0	0.0	350	27-Sep
PX10	86	271	21.30	31.0	14.4	0.0	0.00	95.0	8.2	0.0	0.0	350	28-Sep
PX10	86	272	19.90	29.4	13.8	0.0	0.00	51.8	7.5	0.0	0.0	350	29-Sep
PX10	86	273	20.60	30.7	13.6	0.0	0.00	69.1	7.4	0.0	0.0	350	30-Sep
PX10	86	274	21.20	33.3	14.3	0.0	0.00	250.6	5.4	0.0	0.0	350	01-Oct
PX10	86	275	19.00	28.7	17.3	0.0	0.00	181.4	7.4	0.0	0.0	350	02-Oct
PX10	86	276	17.86	27.5	16.1	0.0	0.00	112.3	7.7	0.0	0.0	350	03-Oct

FILENAME: PX020308.W86   WEATHER DATA FOR CO2=AMBIENT, IRR=WET, NIT--, REP-#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR	
PX02	33.40	112.00	2.30	0 1 1 0 1					350	0.0	

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX02	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX02	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX02	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX02	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX02	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX02	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX02	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX02	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX02	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX02	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX02	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX02	86 99	27.50	34.3	10.6	0.0	0.00	86.0	-5.0	0.0	0.0	350	09-Apr
PX02	86 100	17.10	32.5	13.6	0.0	0.00	108.0	-5.0	0.0	0.0	350	10-Apr
PX02	86 101	24.30	34.0	13.2	0.0	0.00	121.0	-3.3	0.0	0.0	350	11-Apr
PX02	86 102	20.70	34.5	19.0	0.0	0.00	173.0	-2.7	0.0	0.0	350	12-Apr
PX02	86 103	27.40	31.1	13.7	0.0	0.00	233.0	-4.7	0.0	0.0	350	13-Apr
PX02	86 104	26.70	35.0	10.2	0.0	0.00	122.0	-3.8	0.0	0.0	350	14-Apr
PX02	86 105	25.50	36.6	16.4	0.0	0.00	145.0	-0.7	0.0	0.0	350	15-Apr
PX02	86 106	24.20	33.7	19.1	0.0	0.00	293.5	-1.7	0.0	0.0	350	16-Apr
PX02	86 107	28.50	28.3	14.5	0.0	0.00	271.5	-7.0	0.0	0.0	350	17-Apr
PX02	86 108	28.70	30.6	8.7	0.0	0.00	165.0	-5.7	0.0	0.0	350	18-Apr
PX02	86 109	28.80	33.1	9.0	0.0	0.00	97.0	-5.0	0.0	0.0	350	19-Apr
PX02	86 110	29.00	35.7	12.8	0.0	0.00	100.0	-2.2	0.0	0.0	350	20-Apr
PX02	86 111	28.70	38.4	15.7	0.0	0.00	120.0	0.4	0.0	0.0	350	21-Apr
PX02	86 112	26.30	38.0	16.5	0.0	0.00	175.0	0.2	0.0	0.0	350	22-Apr
PX02	86 113	23.90	35.9	19.5	0.0	0.00	184.0	0.2	0.0	0.0	350	23-Apr
PX02	86 114	24.80	35.1	18.5	0.0	0.00	287.0	-0.2	0.0	0.0	350	24-Apr
PX02	86 115	26.30	36.5	15.8	0.0	0.00	305.0	-0.9	0.0	0.0	350	25-Apr
PX02	86 116	28.80	33.2	19.1	0.0	0.00	271.8	-2.5	0.0	0.0	350	26-Apr
PX02	86 117	29.90	34.0	12.4	0.0	0.00	112.0	-3.5	0.0	0.0	350	27-Apr
PX02	86 118	28.10	36.5	14.5	0.0	0.00	120.0	-0.9	0.0	0.0	350	28-Apr
PX02	86 119	27.30	36.5	15.8	0.0	0.00	123.0	-0.7	0.0	0.0	350	29-Apr
PX02	86 120	26.40	37.0	17.1	0.0	0.00	125.0	-0.2	0.0	0.0	350	30-Apr
PX02	86 121	25.40	34.7	18.7	0.0	0.00	190.1	0.9	0.0	0.0	350	01-May
PX02	86 122	28.20	40.9	16.7	0.0	0.00	138.2	3.0	0.0	0.0	350	02-May
PX02	86 123	28.80	38.7	18.7	0.0	0.00	120.0	2.5	0.0	0.0	350	03-May
PX02	86 124	30.14	33.9	17.5	0.0	0.00	190.1	-1.7	0.0	0.0	350	04-May
PX02	86 125	29.90	33.7	13.1	0.0	0.00	121.0	-1.9	0.0	0.0	350	05-May
PX02	86 126	27.80	32.0	15.8	0.0	0.00	233.3	3.0	0.0	0.0	350	06-May
PX02	86 127	28.90	25.4	13.3	0.0	0.00	293.8	0.9	0.0	0.0	350	07-May
PX02	86 128	30.20	29.9	9.1	0.0	0.00	146.9	0.6	0.0	0.0	350	08-May
PX02	86 129	31.80	32.5	10.5	0.0	0.00	164.2	-1.2	0.0	0.0	350	09-May
PX02	86 130	30.27	36.2	12.7	0.0	0.00	146.9	-1.9	0.0	0.0	350	10-May
PX02	86 131	30.70	37.1	15.0	0.0	0.00	155.5	-1.9	0.0	0.0	350	11-May
PX02	86 132	30.70	36.4	14.1	0.0	0.00	86.4	-1.2	0.0	0.0	350	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	86	133	30.40	37.8	15.0	0.0	0.00	120.9	-1.4	0.0	0.0	350	13-May
PX02	86	134	29.10	36.1	15.8	0.0	0.00	138.2	1.3	0.0	0.0	350	14-May
PX02	86	135	25.50	37.4	17.1	0.0	0.00	207.4	1.3	0.0	0.0	350	15-May
PX02	86	136	31.20	36.9	18.6	0.0	0.00	207.4	4.1	0.0	0.0	350	16-May
PX02	86	137	30.70	34.1	18.0	0.0	0.00	146.9	-0.2	0.0	0.0	350	17-May
PX02	86	138	30.90	37.8	17.5	0.0	0.00	112.3	0.9	0.0	0.0	350	18-May
PX02	86	139	30.60	42.1	19.5	0.0	0.00	129.6	1.7	0.0	0.0	350	19-May
PX02	86	140	29.60	41.2	20.6	0.0	0.00	198.7	4.8	0.0	0.0	350	20-May
PX02	86	141	22.63	37.7	21.4	0.0	0.00	190.1	4.8	0.0	0.0	350	21-May
PX02	86	142	29.10	36.6	18.6	0.0	0.00	103.7	7.4	0.0	0.0	350	22-May
PX02	86	143	27.90	37.4	21.3	0.0	0.00	146.9	5.9	0.0	0.0	350	23-May
PX02	86	144	23.10	37.5	21.1	0.0	0.00	95.0	6.4	0.0	0.0	350	24-May
PX02	86	145	29.90	40.4	19.1	0.0	0.00	129.6	6.5	0.0	0.0	350	25-May
PX02	86	146	29.40	40.5	20.6	0.0	0.00	181.4	6.5	0.0	0.0	350	26-May
PX02	86	147	29.80	40.7	20.8	0.0	0.00	129.6	6.5	0.0	0.0	350	27-May
PX02	86	148	28.57	40.1	21.6	0.0	0.00	146.9	8.2	0.0	0.0	350	28-May
PX02	86	149	26.90	39.6	23.8	0.0	0.00	164.2	10.4	0.0	0.0	350	29-May
PX02	86	150	20.00	36.1	24.4	0.0	0.00	172.8	12.6	0.0	0.0	350	30-May
PX02	86	151	25.50	38.1	21.3	0.0	0.00	172.8	15.2	0.0	0.0	350	31-May
PX02	86	152	26.30	40.5	22.2	0.5	0.00	164.2	12.6	0.0	0.0	350	01-Jun
PX02	86	153	25.14	39.6	22.0	0.0	0.00	181.4	13.9	0.0	0.0	350	02-Jun
PX02	86	154	28.73	40.7	23.0	0.0	0.00	164.2	13.9	0.0	0.0	350	03-Jun
PX02	86	155	29.30	39.6	25.5	0.0	0.00	164.2	14.5	0.0	0.0	350	04-Jun
PX02	86	156	29.40	39.9	24.7	0.0	0.00	164.2	12.9	0.0	0.0	350	05-Jun
PX02	86	157	30.60	39.7	19.7	0.0	0.00	103.7	8.8	0.0	0.0	350	06-Jun
PX02	86	158	31.10	40.6	20.4	0.0	0.00	129.6	7.3	0.0	0.0	350	07-Jun
PX02	86	159	31.30	38.8	21.4	0.0	0.00	164.2	5.0	0.0	0.0	350	08-Jun
PX02	86	160	28.70	40.0	20.3	0.0	0.00	181.4	6.4	0.0	0.0	350	09-Jun
PX02	86	161	31.00	40.4	18.6	0.0	0.00	112.3	4.8	0.0	0.0	350	10-Jun
PX02	86	162	30.80	39.3	19.3	0.0	0.00	95.0	6.8	0.0	0.0	350	11-Jun
PX02	86	163	31.00	44.5	20.9	0.0	0.00	120.9	7.4	0.0	0.0	350	12-Jun
PX02	86	164	31.10	43.2	24.1	0.0	0.00	132.0	7.0	0.0	0.0	350	13-Jun
PX02	86	165	31.30	41.2	21.4	0.0	0.00	114.0	9.3	0.0	0.0	350	14-Jun
PX02	86	166	30.14	42.0	24.1	0.0	0.00	129.6	11.8	0.0	0.0	350	15-Jun
PX02	86	167	29.50	41.7	24.1	0.0	0.00	155.5	9.7	0.0	0.0	350	16-Jun
PX02	86	168	29.70	43.4	28.5	0.0	0.00	155.5	12.4	0.0	0.0	350	17-Jun
PX02	86	169	30.60	38.9	22.9	0.0	0.00	172.8	10.5	0.0	0.0	350	18-Jun
PX02	86	170	30.90	39.4	22.3	0.0	0.00	120.0	8.6	0.0	0.0	350	19-Jun
PX02	86	171	31.30	38.9	20.8	0.0	0.00	155.5	16.4	0.0	0.0	350	20-Jun
PX02	86	172	27.70	40.0	18.2	0.0	0.00	121.0	11.1	0.0	0.0	350	21-Jun
PX02	86	173	24.10	36.8	20.5	0.0	0.00	172.8	7.3	0.0	0.0	350	22-Jun
PX02	86	174	29.60	39.4	23.7	0.0	0.00	216.0	9.5	0.0	0.0	350	23-Jun
PX02	86	175	28.90	40.0	25.8	0.0	0.00	337.0	13.8	0.0	0.0	350	24-Jun
PX02	86	176	29.40	35.9	26.0	0.0	0.00	267.8	17.3	0.0	0.0	350	25-Jun
PX02	86	177	29.30	38.0	24.9	0.0	0.00	95.0	15.9	0.0	0.0	350	26-Jun
PX02	86	178	29.70	38.5	26.9	0.0	0.00	138.2	15.0	0.0	0.0	350	27-Jun
PX02	86	179	20.70	37.5	28.9	0.0	0.00	138.2	15.5	0.0	0.0	350	28-Jun
PX02	86	180	13.60	33.1	26.8	0.0	0.00	259.2	16.4	0.0	0.0	350	29-Jun
PX02	86	181	28.30	37.0	24.1	0.0	0.00	138.2	20.4	0.0	0.0	350	30-Jun
PX02	86	182	29.20	38.1	24.0	0.0	0.00	198.7	22.8	0.0	0.0	350	01-Jul
PX02	86	183	28.30	34.3	24.3	14.0	0.00	121.0	24.7	0.0	0.0	350	02-Jul
PX02	86	184	22.90	34.4	24.6	0.0	0.00	130.0	25.0	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	86	185	22.60	33.4	23.5	1.3	0.00	190.1	23.1	0.0	0.0	350	04-Jul
PX02	86	186	30.90	34.6	22.3	0.0	0.00	181.4	17.8	0.0	0.0	350	05-Jul
PX02	86	187	30.70	36.6	18.7	0.0	0.00	181.4	13.8	0.0	0.0	350	06-Jul
PX02	86	188	18.40	35.3	26.4	0.0	0.00	181.4	15.0	0.0	0.0	350	07-Jul
PX02	86	189	29.80	36.7	24.6	0.0	0.00	155.5	17.7	0.0	0.0	350	08-Jul
PX02	86	190	29.80	34.4	25.8	0.0	0.00	172.8	20.4	0.0	0.0	350	09-Jul
PX02	86	191	29.30	35.1	26.9	0.0	0.00	155.5	20.3	0.0	0.0	350	10-Jul
PX02	86	192	29.60	35.4	26.5	0.0	0.00	146.9	19.5	0.0	0.0	350	11-Jul
PX02	86	193	30.40	35.6	25.1	0.0	0.00	164.2	15.3	0.0	0.0	350	12-Jul
PX02	86	194	26.70	35.5	25.2	0.0	0.00	198.7	18.2	0.0	0.0	350	13-Jul
PX02	86	195	22.12	34.2	27.7	0.0	0.00	207.4	20.2	0.0	0.0	350	14-Jul
PX02	86	196	25.80	35.2	25.5	0.0	0.00	198.7	21.1	0.0	0.0	350	15-Jul
PX02	86	197	23.30	32.4	23.3	0.0	0.00	302.4	21.2	0.0	0.0	350	16-Jul
PX02	86	198	30.70	32.6	22.4	0.0	0.00	181.4	21.1	0.0	0.0	350	17-Jul
PX02	86	199	22.40	34.0	25.0	0.0	0.00	138.2	21.3	0.0	0.0	350	18-Jul
PX02	86	200	28.00	39.5	23.8	0.0	0.00	181.4	21.6	0.0	0.0	350	19-Jul
PX02	86	201	26.40	40.0	22.3	0.0	0.00	164.2	17.7	0.0	0.0	350	20-Jul
PX02	86	202	13.41	28.1	20.3	15.2	0.00	140.9	22.5	0.0	0.0	350	21-Jul
PX02	86	203	28.20	33.9	20.7	0.0	0.00	121.0	24.2	0.0	0.0	350	22-Jul
PX02	86	204	19.40	32.5	21.1	0.0	0.00	172.8	21.8	0.0	0.0	350	23-Jul
PX02	86	205	28.70	35.5	24.2	0.0	0.00	241.9	20.4	0.0	0.0	350	24-Jul
PX02	86	206	26.50	36.7	23.2	0.0	0.00	250.6	17.6	0.0	0.0	350	25-Jul
PX02	86	207	29.70	36.5	21.1	0.0	0.00	112.3	14.9	0.0	0.0	350	26-Jul
PX02	86	208	29.40	36.9	19.2	0.0	0.00	103.7	12.6	0.0	0.0	350	27-Jul
PX02	86	209	25.00	36.3	20.8	0.0	0.00	69.1	14.1	0.0	0.0	350	28-Jul
PX02	86	210	28.30	37.7	22.4	0.0	0.00	198.7	16.8	0.0	0.0	350	29-Jul
PX02	86	211	29.10	39.2	21.5	0.0	0.00	146.9	15.1	0.0	0.0	350	30-Jul
PX02	86	212	28.80	40.5	22.0	0.0	0.00	146.9	14.9	0.0	0.0	350	31-Jul
PX02	86	213	27.70	38.7	24.4	0.0	0.00	164.2	16.9	0.0	0.0	350	01-Aug
PX02	86	214	25.40	38.8	28.2	0.0	0.00	181.4	20.6	0.0	0.0	350	02-Aug
PX02	86	215	20.50	39.1	26.2	0.0	0.00	103.7	18.7	0.0	0.0	350	03-Aug
PX02	86	216	27.70	41.5	26.7	0.0	0.00	138.2	17.3	0.0	0.0	350	04-Aug
PX02	86	217	26.20	39.0	27.4	0.0	0.00	129.6	18.3	0.0	0.0	350	05-Aug
PX02	86	218	22.70	35.0	27.0	0.0	0.00	164.2	20.2	0.0	0.0	350	06-Aug
PX02	86	219	27.30	38.1	26.7	2.8	0.00	198.7	19.3	0.0	0.0	350	07-Aug
PX02	86	220	20.24	40.3	24.5	0.0	0.00	172.8	19.4	0.0	0.0	350	08-Aug
PX02	86	221	27.10	37.3	26.2	1.1	0.00	155.5	18.2	0.0	0.0	350	09-Aug
PX02	86	222	25.00	38.0	25.3	0.0	0.00	155.5	19.0	0.0	0.0	350	10-Aug
PX02	86	223	21.90	36.0	26.7	0.0	0.00	172.8	19.6	0.0	0.0	350	11-Aug
PX02	86	224	24.20	37.3	27.2	0.0	0.00	129.6	20.0	0.0	0.0	350	12-Aug
PX02	86	225	26.60	36.9	25.7	0.0	0.00	112.3	19.9	0.0	0.0	350	13-Aug
PX02	86	226	26.50	37.0	25.7	0.0	0.00	138.2	19.2	0.0	0.0	350	14-Aug
PX02	86	227	27.10	36.8	27.0	0.0	0.00	150.0	19.7	0.0	0.0	350	15-Aug
PX02	86	228	26.60	36.9	26.8	0.0	0.00	146.9	19.6	0.0	0.0	350	16-Aug
PX02	86	229	19.70	35.8	28.2	0.0	0.00	198.7	19.4	0.0	0.0	350	17-Aug
PX02	86	230	14.70	35.7	26.5	0.0	0.00	95.0	20.2	0.0	0.0	350	18-Aug
PX02	86	231	25.30	39.3	26.2	0.0	0.00	95.0	20.3	0.0	0.0	350	19-Aug
PX02	86	232	25.00	38.2	28.0	0.0	0.00	112.3	20.5	0.0	0.0	350	20-Aug
PX02	86	233	21.70	41.5	29.8	0.0	0.00	205.0	6.2	0.0	0.0	350	21-Aug
PX02	86	234	26.90	41.9	26.2	0.0	0.00	131.0	8.1	0.0	0.0	350	22-Aug
PX02	86	235	18.70	37.3	25.9	0.0	0.00	241.9	17.2	0.0	0.0	350	23-Aug
PX02	86	236	17.80	32.7	22.4	0.0	0.00	121.0	21.2	0.0	0.0	350	24-Aug

	IYR	SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00
INSTW	JUL		XTMAX		XRAIN		WIND		STMAX		CO2	
PX02 86 237	20.90	34.7	23.1	0.5	0.00	200.0	20.8	0.0	0.0	350	25-Aug
PX02 86 238	21.40	33.2	23.4	5.3	0.00	152.0	21.3	0.0	0.0	350	26-Aug
PX02 86 239	19.12	33.2	23.6	23.1	0.00	137.0	21.7	0.0	0.0	350	27-Aug
PX02 86 240	24.20	34.4	23.1	0.8	0.00	178.0	22.2	0.0	0.0	350	28-Aug
PX02 86 241	20.50	34.3	23.0	2.0	0.00	205.0	22.6	0.0	0.0	350	29-Aug
PX02 86 242	24.20	35.2	21.7	0.0	0.00	164.0	22.5	0.0	0.0	350	30-Aug
PX02 86 243	22.80	35.1	25.0	0.0	0.00	164.0	22.9	0.0	0.0	350	31-Aug
PX02 86 244	24.00	35.4	23.1	0.0	0.00	145.0	19.2	0.0	0.0	350	01-Sep
PX02 86 245	24.80	34.9	21.9	0.0	0.00	112.0	17.5	0.0	0.0	350	02-Sep
PX02 86 246	23.70	35.8	21.6	0.0	0.00	112.0	16.4	0.0	0.0	350	03-Sep
PX02 86 247	25.70	40.8	24.1	0.0	0.00	100.0	3.6	0.0	0.0	350	04-Sep
PX02 86 248	25.70	41.5	25.5	0.0	0.00	127.0	5.0	0.0	0.0	350	05-Sep
PX02 86 249	24.20	37.6	22.9	0.0	0.00	130.0	12.9	0.0	0.0	350	06-Sep
PX02 86 250	23.90	38.2	25.5	0.0	0.00	331.4	13.5	0.0	0.0	350	07-Sep
PX02 86 251	14.83	35.1	25.1	0.0	0.00	207.0	15.5	0.0	0.0	350	08-Sep
PX02 86 252	20.87	37.7	24.9	0.0	0.00	271.5	1.7	0.0	0.0	350	09-Sep
PX02 86 253	21.10	31.9	18.2	0.0	0.00	260.9	14.0	0.0	0.0	350	10-Sep
PX02 86 254	22.50	33.0	14.6	0.0	0.00	125.0	10.3	0.0	0.0	350	11-Sep
PX02 86 255	17.90	33.9	18.6	0.0	0.00	145.0	15.8	0.0	0.0	350	12-Sep
PX02 86 256	17.80	32.8	20.1	0.0	0.00	157.0	15.6	0.0	0.0	350	13-Sep
PX02 86 257	22.40	33.8	17.5	0.0	0.00	185.0	15.5	0.0	0.0	350	14-Sep
PX02 86 258	20.72	33.8	19.7	0.0	0.00	147.0	16.9	0.0	0.0	350	15-Sep
PX02 86 259	21.20	33.0	15.8	0.0	0.00	136.0	15.8	0.0	0.0	350	16-Sep
PX02 86 260	21.30	32.5	17.3	0.0	0.00	126.0	12.8	0.0	0.0	350	17-Sep
PX02 86 261	20.10	33.7	17.9	0.0	0.00	120.0	12.8	0.0	0.0	350	18-Sep
PX02 86 262	20.80	33.5	18.1	0.0	0.00	112.3	9.3	0.0	0.0	350	19-Sep
PX02 86 263	18.50	32.6	18.9	0.0	0.00	112.3	9.5	0.0	0.0	350	20-Sep
PX02 86 264	7.50	28.3	16.7	0.0	0.00	69.1	9.3	0.0	0.0	350	21-Sep
PX02 86 265	6.60	27.8	20.0	0.0	0.00	112.3	12.0	0.0	0.0	350	22-Sep
PX02 86 266	5.44	25.5	16.2	9.7	0.00	77.8	17.1	0.0	0.0	350	23-Sep
PX02 86 267	18.80	23.4	11.3	0.0	0.00	60.5	11.8	0.0	0.0	350	24-Sep
PX02 86 268	18.60	24.0	14.0	0.5	0.00	65.0	8.8	0.0	0.0	350	25-Sep
PX02 86 269	18.20	28.0	15.8	0.0	0.00	69.1	13.7	0.0	0.0	350	26-Sep
PX02 86 270	21.60	30.4	12.4	0.0	0.00	86.4	12.9	0.0	0.0	350	27-Sep
PX02 86 271	21.30	30.8	14.0	0.0	0.00	95.0	11.5	0.0	0.0	350	28-Sep
PX02 86 272	19.90	28.8	13.5	0.0	0.00	51.8	10.3	0.0	0.0	350	29-Sep
PX02 86 273	20.60	30.4	12.6	0.0	0.00	69.1	10.4	0.0	0.0	350	30-Sep
PX02 86 274	21.20	31.8	13.4	0.0	0.00	250.6	9.3	0.0	0.0	350	01-Oct
PX02 86 275	19.00	28.0	16.6	0.0	0.00	181.4	10.6	0.0	0.0	350	02-Oct
PX02 86 276	17.86	27.0	15.6	0.0	0.00	112.3	11.0	0.0	0.0	350	03-Oct

FILENAME: PX160308.W86   WEATHER DATA FOR CO2-AMBIENT, IRR-WET, NIT--, REP-#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX16	33.40	112.00	2.30	0	1	1	0	1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX16	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX16	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX16	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX16	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX16	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX16	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX16	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX16	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX16	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX16	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX16	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX16	86 99	27.50	33.4	11.0	0.0	0.00	86.0	-0.0	0.0	0.0	350	09-Apr
PX16	86 100	17.10	31.4	13.9	0.0	0.00	108.0	-0.0	0.0	0.0	350	10-Apr
PX16	86 101	24.30	33.1	13.5	0.0	0.00	121.0	0.6	0.0	0.0	350	11-Apr
PX16	86 102	20.70	33.7	19.1	0.0	0.00	173.0	0.9	0.0	0.0	350	12-Apr
PX16	86 103	27.40	29.8	14.0	0.0	0.00	233.0	-0.0	0.0	0.0	350	13-Apr
PX16	86 104	26.70	34.2	10.6	0.0	0.00	122.0	0.4	0.0	0.0	350	14-Apr
PX16	86 105	25.50	36.1	16.6	0.0	0.00	145.0	1.5	0.0	0.0	350	15-Apr
PX16	86 106	24.20	32.8	19.2	0.0	0.00	293.5	1.1	0.0	0.0	350	16-Apr
PX16	86 107	28.50	26.6	14.7	0.0	0.00	271.5	-0.5	0.0	0.0	350	17-Apr
PX16	86 108	28.70	29.2	9.1	0.0	0.00	165.0	-0.2	0.0	0.0	350	18-Apr
PX16	86 109	28.80	32.1	9.4	0.0	0.00	97.0	-0.0	0.0	0.0	350	19-Apr
PX16	86 110	29.00	35.0	13.1	0.0	0.00	100.0	0.9	0.0	0.0	350	20-Apr
PX16	86 111	28.70	38.1	15.9	0.0	0.00	120.0	1.9	0.0	0.0	350	21-Apr
PX16	86 112	26.30	37.7	16.7	0.0	0.00	175.0	1.9	0.0	0.0	350	22-Apr
PX16	86 113	23.90	35.2	19.6	0.0	0.00	184.0	1.7	0.0	0.0	350	23-Apr
PX16	86 114	24.80	34.3	18.6	0.0	0.00	287.0	1.5	0.0	0.0	350	24-Apr
PX16	86 115	26.30	34.3	19.1	0.0	0.00	305.0	1.3	0.0	0.0	350	25-Apr
PX16	86 116	28.80	32.2	19.2	0.0	0.00	271.8	0.9	0.0	0.0	350	26-Apr
PX16	86 117	29.90	33.1	12.7	0.0	0.00	112.0	0.4	0.0	0.0	350	27-Apr
PX16	86 118	28.10	36.0	14.7	0.0	0.00	120.0	1.3	0.0	0.0	350	28-Apr
PX16	86 119	27.30	36.1	16.0	0.0	0.00	123.0	1.5	0.0	0.0	350	29-Apr
PX16	86 120	26.40	37.8	17.1	0.0	0.00	125.0	1.7	0.0	0.0	350	30-Apr
PX16	86 121	25.40	34.2	18.8	0.0	0.00	190.1	2.1	0.0	0.0	350	01-May
PX16	86 122	28.20	42.0	17.0	0.0	0.00	138.2	2.9	0.0	0.0	350	02-May
PX16	86 123	28.80	39.7	18.6	0.0	0.00	120.0	2.7	0.0	0.0	350	03-May
PX16	86 124	30.14	32.8	17.0	0.0	0.00	190.1	-0.9	0.0	0.0	350	04-May
PX16	86 125	29.90	32.7	13.1	0.0	0.00	121.0	-4.4	0.0	0.0	350	05-May
PX16	86 126	27.80	31.3	15.4	0.0	0.00	233.3	1.9	0.0	0.0	350	06-May
PX16	86 127	28.90	23.8	12.7	0.0	0.00	293.8	0.2	0.0	0.0	350	07-May
PX16	86 128	30.20	28.4	10.0	0.0	0.00	146.9	0.6	0.0	0.0	350	08-May
PX16	86 129	31.80	31.1	11.3	0.0	0.00	164.2	-0.9	0.0	0.0	350	09-May
PX16	86 130	30.27	34.7	13.3	0.0	0.00	146.9	-1.7	0.0	0.0	350	10-May
PX16	86 131	30.70	35.9	15.2	0.0	0.00	155.5	-1.4	0.0	0.0	350	11-May
PX16	86 132	30.70	35.5	14.2	0.0	0.00	86.4	-2.2	0.0	0.0	350	12-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	86 133	30.40	37.2	15.3	0.0	0.00	120.9	-0.7	0.0	0.0	350	13-May
PX16	86 134	29.10	35.9	16.2	0.0	0.00	138.2	0.2	0.0	0.0	350	14-May
PX16	86 135	25.50	36.6	17.3	0.0	0.00	207.4	0.4	0.0	0.0	350	15-May
PX16	86 136	31.20	37.0	17.8	0.0	0.00	207.4	3.6	0.0	0.0	350	16-May
PX16	86 137	30.70	34.2	17.6	0.0	0.00	146.9	-0.0	0.0	0.0	350	17-May
PX16	86 138	30.90	38.1	17.6	0.0	0.00	112.3	1.3	0.0	0.0	350	18-May
PX16	86 139	30.60	42.4	19.7	0.0	0.00	129.6	2.5	0.0	0.0	350	19-May
PX16	86 140	29.60	42.5	20.6	0.0	0.00	198.7	3.6	0.0	0.0	350	20-May
PX16	86 141	22.63	38.0	21.2	0.0	0.00	190.1	3.6	0.0	0.0	350	21-May
PX16	86 142	29.10	37.4	19.0	0.0	0.00	103.7	3.9	0.0	0.0	350	22-May
PX16	86 143	27.90	37.7	21.3	0.0	0.00	146.9	4.3	0.0	0.0	350	23-May
PX16	86 144	23.10	38.3	21.1	0.0	0.00	95.0	1.3	0.0	0.0	350	24-May
PX16	86 145	29.90	41.4	19.4	0.0	0.00	129.6	2.3	0.0	0.0	350	25-May
PX16	86 146	29.40	40.9	20.6	0.0	0.00	181.4	3.0	0.0	0.0	350	26-May
PX16	86 147	29.80	40.9	20.5	0.0	0.00	129.6	3.9	0.0	0.0	350	27-May
PX16	86 148	28.57	41.7	21.5	0.0	0.00	146.9	6.4	0.0	0.0	350	28-May
PX16	86 149	26.90	39.3	23.7	0.0	0.00	164.2	9.0	0.0	0.0	350	29-May
PX16	86 150	20.00	36.1	24.8	0.0	0.00	172.8	11.6	0.0	0.0	350	30-May
PX16	86 151	25.50	37.9	21.6	0.0	0.00	172.8	13.9	0.0	0.0	350	31-May
PX16	86 152	26.30	40.0	22.6	0.5	0.00	164.2	11.1	0.0	0.0	350	01-Jun
PX16	86 153	25.14	40.0	22.8	0.0	0.00	181.4	12.8	0.0	0.0	350	02-Jun
PX16	86 154	28.73	40.1	23.1	0.0	0.00	164.2	13.2	0.0	0.0	350	03-Jun
PX16	86 155	29.30	40.0	25.6	0.0	0.00	164.2	13.3	0.0	0.0	350	04-Jun
PX16	86 156	29.40	40.0	24.7	0.0	0.00	164.2	11.6	0.0	0.0	350	05-Jun
PX16	86 157	30.60	39.5	19.7	0.0	0.00	103.7	7.5	0.0	0.0	350	06-Jun
PX16	86 158	31.10	40.5	20.9	0.0	0.00	129.6	5.9	0.0	0.0	350	07-Jun
PX16	86 159	31.30	38.5	21.7	0.0	0.00	164.2	3.2	0.0	0.0	350	08-Jun
PX16	86 160	28.70	39.1	20.8	0.0	0.00	181.4	4.6	0.0	0.0	350	09-Jun
PX16	86 161	31.00	39.9	19.5	0.0	0.00	112.3	2.5	0.0	0.0	350	10-Jun
PX16	86 162	30.80	39.4	19.9	0.0	0.00	95.0	5.6	0.0	0.0	350	11-Jun
PX16	86 163	31.00	45.1	20.9	0.0	0.00	120.9	4.8	0.0	0.0	350	12-Jun
PX16	86 164	31.10	43.6	23.9	0.0	0.00	132.0	4.6	0.0	0.0	350	13-Jun
PX16	86 165	31.30	41.3	22.2	0.0	0.00	114.0	8.5	0.0	0.0	350	14-Jun
PX16	86 166	30.14	42.3	24.8	0.0	0.00	129.6	11.3	0.0	0.0	350	15-Jun
PX16	86 167	29.50	41.3	24.7	0.0	0.00	155.5	8.8	0.0	0.0	350	16-Jun
PX16	86 168	29.70	42.2	28.4	0.0	0.00	155.5	11.2	0.0	0.0	350	17-Jun
PX16	86 169	30.60	39.3	23.4	0.0	0.00	172.8	14.5	0.0	0.0	350	18-Jun
PX16	86 170	30.90	39.5	22.4	0.0	0.00	120.0	5.8	0.0	0.0	350	19-Jun
PX16	86 171	31.30	40.3	21.5	0.0	0.00	155.5	6.4	0.0	0.0	350	20-Jun
PX16	86 172	27.70	40.3	21.0	0.0	0.00	121.0	5.8	0.0	0.0	350	21-Jun
PX16	86 173	24.10	38.7	21.5	0.0	0.00	172.8	5.3	0.0	0.0	350	22-Jun
PX16	86 174	29.60	41.3	24.3	0.0	0.00	216.0	9.3	0.0	0.0	350	23-Jun
PX16	86 175	28.90	40.5	27.2	0.0	0.00	337.0	13.9	0.0	0.0	350	24-Jun
PX16	86 176	29.40	38.7	25.8	0.0	0.00	267.8	12.9	0.0	0.0	350	25-Jun
PX16	86 177	29.30	40.0	25.5	0.0	0.00	95.0	12.1	0.0	0.0	350	26-Jun
PX16	86 178	29.70	40.1	25.7	0.0	0.00	138.2	12.1	0.0	0.0	350	27-Jun
PX16	86 179	20.70	38.9	29.0	0.0	0.00	138.2	15.3	0.0	0.0	350	28-Jun
PX16	86 180	13.60	34.6	27.1	0.0	0.00	259.2	15.8	0.0	0.0	350	29-Jun
PX16	86 181	28.30	36.4	23.8	0.0	0.00	138.2	17.4	0.0	0.0	350	30-Jun
PX16	86 182	29.20	37.4	23.9	0.0	0.00	198.7	19.3	0.0	0.0	350	01-Jul
PX16	86 183	28.30	36.1	24.6	14.0	0.00	121.0	22.2	0.0	0.0	350	02-Jul
PX16	86 184	22.90	36.1	24.8	0.0	0.00	130.0	22.2	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	86	185	22.60	34.3	23.6	1.3	0.00	190.1	20.4	0.0	0.0	350	04-Jul
PX16	86	186	30.90	36.3	23.0	0.0	0.00	181.4	14.8	0.0	0.0	350	05-Jul
PX16	86	187	30.70	37.4	21.5	0.0	0.00	181.4	12.5	0.0	0.0	350	06-Jul
PX16	86	188	18.40	37.0	26.7	0.0	0.00	181.4	13.6	0.0	0.0	350	07-Jul
PX16	86	189	29.80	38.4	25.1	0.0	0.00	155.5	15.4	0.0	0.0	350	08-Jul
PX16	86	190	29.80	37.1	26.5	0.0	0.00	172.8	17.5	0.0	0.0	350	09-Jul
PX16	86	191	29.30	37.6	27.5	0.0	0.00	155.5	17.6	0.0	0.0	350	10-Jul
PX16	86	192	29.60	37.7	26.9	0.0	0.00	146.9	17.1	0.0	0.0	350	11-Jul
PX16	86	193	30.40	37.6	26.0	0.0	0.00	164.2	12.5	0.0	0.0	350	12-Jul
PX16	86	194	26.70	37.0	25.7	0.0	0.00	198.7	16.0	0.0	0.0	350	13-Jul
PX16	86	195	22.12	34.8	27.6	0.0	0.00	207.4	18.4	0.0	0.0	350	14-Jul
PX16	86	196	25.80	36.0	25.9	0.0	0.00	198.7	19.2	0.0	0.0	350	15-Jul
PX16	86	197	23.30	34.8	25.2	0.0	0.00	302.4	18.9	0.0	0.0	350	16-Jul
PX16	86	198	30.70	35.7	23.1	0.0	0.00	181.4	18.7	0.0	0.0	350	17-Jul
PX16	86	199	22.40	36.4	26.3	0.0	0.00	138.2	18.9	0.0	0.0	350	18-Jul
PX16	86	200	28.00	39.6	26.1	0.0	0.00	181.4	18.4	0.0	0.0	350	19-Jul
PX16	86	201	26.40	40.3	22.3	0.0	0.00	164.2	16.5	0.0	0.0	350	20-Jul
PX16	86	202	13.41	28.1	20.6	15.2	0.00	146.9	20.4	0.0	0.0	350	21-Jul
PX16	86	203	28.20	34.0	21.4	0.0	0.00	121.0	20.0	0.0	0.0	350	22-Jul
PX16	86	204	19.40	34.5	22.9	0.0	0.00	172.8	22.5	0.0	0.0	350	23-Jul
PX16	86	205	28.70	36.0	25.3	0.0	0.00	241.9	17.7	0.0	0.0	350	24-Jul
PX16	86	206	26.50	37.2	24.0	0.0	0.00	250.6	14.6	0.0	0.0	350	25-Jul
PX16	86	207	29.70	37.7	21.8	0.0	0.00	112.3	11.8	0.0	0.0	350	26-Jul
PX16	86	208	29.40	38.3	20.5	0.0	0.00	103.7	9.4	0.0	0.0	350	27-Jul
PX16	86	209	25.00	38.2	21.2	0.0	0.00	69.1	14.3	0.0	0.0	350	28-Jul
PX16	86	210	28.30	39.4	23.8	0.0	0.00	198.7	17.8	0.0	0.0	350	29-Jul
PX16	86	211	29.10	40.0	21.9	0.0	0.00	146.9	17.5	0.0	0.0	350	30-Jul
PX16	86	212	28.80	40.8	22.3	0.0	0.00	146.9	14.4	0.0	0.0	350	31-Jul
PX16	86	213	27.70	39.2	24.4	0.0	0.00	164.2	14.6	0.0	0.0	350	01-Aug
PX16	86	214	25.40	39.2	28.4	0.0	0.00	181.4	18.6	0.0	0.0	350	02-Aug
PX16	86	215	20.50	39.5	26.2	0.0	0.00	103.7	17.3	0.0	0.0	350	03-Aug
PX16	86	216	27.70	41.8	27.0	0.0	0.00	138.2	16.0	0.0	0.0	350	04-Aug
PX16	86	217	26.20	39.3	27.8	0.0	0.00	129.6	17.2	0.0	0.0	350	05-Aug
PX16	86	218	22.70	36.8	27.4	0.0	0.00	164.2	18.7	0.0	0.0	350	06-Aug
PX16	86	219	27.30	39.0	27.1	2.8	0.00	198.7	18.2	0.0	0.0	350	07-Aug
PX16	86	220	20.24	36.6	25.1	0.0	0.00	172.8	18.9	0.0	0.0	350	08-Aug
PX16	86	221	27.10	36.6	26.6	1.1	0.00	155.5	17.9	0.0	0.0	350	09-Aug
PX16	86	222	25.00	38.0	25.8	0.0	0.00	155.5	18.8	0.0	0.0	350	10-Aug
PX16	86	223	21.90	37.5	27.1	0.0	0.00	172.8	19.9	0.0	0.0	350	11-Aug
PX16	86	224	24.20	37.8	27.6	0.0	0.00	129.6	16.6	0.0	0.0	350	12-Aug
PX16	86	225	26.60	39.6	26.2	0.0	0.00	112.3	20.6	0.0	0.0	350	13-Aug
PX16	86	226	26.50	39.0	26.2	0.0	0.00	138.2	19.7	0.0	0.0	350	14-Aug
PX16	86	227	27.10	38.9	27.1	0.0	0.00	150.0	17.9	0.0	0.0	350	15-Aug
PX16	86	228	26.60	39.1	26.9	0.0	0.00	146.9	18.4	0.0	0.0	350	16-Aug
PX16	86	229	19.70	37.7	28.5	0.0	0.00	198.7	18.9	0.0	0.0	350	17-Aug
PX16	86	230	14.70	37.5	26.8	0.0	0.00	95.0	19.4	0.0	0.0	350	18-Aug
PX16	86	231	25.30	42.2	26.2	0.0	0.00	95.0	18.9	0.0	0.0	350	19-Aug
PX16	86	232	25.00	40.7	28.0	0.0	0.00	112.3	19.5	0.0	0.0	350	20-Aug
PX16	86	233	21.70	44.4	29.8	0.0	0.00	205.0	16.2	0.0	0.0	350	21-Aug
PX16	86	234	26.90	45.1	26.2	0.0	0.00	131.0	14.1	0.0	0.0	350	22-Aug
PX16	86	235	18.70	39.5	25.9	0.0	0.00	241.9	16.4	0.0	0.0	350	23-Aug
PX16	86	236	17.80	33.8	22.4	0.0	0.00	121.0	20.1	0.0	0.0	350	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX16	86	237	20.90	36.2	23.1	0.5	0.00	200.0	19.9	0.0	0.0	350	25-Aug
PX16	86	238	21.40	34.4	23.4	5.3	0.00	152.0	21.0	0.0	0.0	350	26-Aug
PX16	86	239	19.12	34.4	23.6	23.1	0.00	137.0	21.6	0.0	0.0	350	27-Aug
PX16	86	240	24.20	35.9	23.1	0.8	0.00	178.0	25.6	0.0	0.0	350	28-Aug
PX16	86	241	20.50	35.8	23.0	2.0	0.00	205.0	25.7	0.0	0.0	350	29-Aug
PX16	86	242	24.20	37.0	21.7	0.0	0.00	164.0	25.0	0.0	0.0	350	30-Aug
PX16	86	243	22.80	36.9	25.0	0.0	0.00	164.0	25.1	0.0	0.0	350	31-Aug
PX16	86	244	24.00	37.3	23.1	0.0	0.00	145.0	23.1	0.0	0.0	350	01-Sep
PX16	86	245	24.80	36.5	21.9	0.0	0.00	112.0	17.5	0.0	0.0	350	02-Sep
PX16	86	246	23.70	37.7	21.6	0.0	0.00	112.0	20.0	0.0	0.0	350	03-Sep
PX16	86	247	25.70	44.0	24.1	0.0	0.00	100.0	17.6	0.0	0.0	350	04-Sep
PX16	86	248	25.70	45.0	25.5	0.0	0.00	127.0	15.4	0.0	0.0	350	05-Sep
PX16	86	249	24.20	40.0	22.9	0.0	0.00	130.0	12.1	0.0	0.0	350	06-Sep
PX16	86	250	23.90	40.7	25.5	0.0	0.00	331.4	11.4	0.0	0.0	350	07-Sep
PX16	86	251	14.82	36.8	25.1	0.0	0.00	207.0	14.7	0.0	0.0	350	08-Sep
PX16	86	252	20.87	39.3	24.9	0.0	0.00	271.5	15.5	0.0	0.0	350	09-Sep
PX16	86	253	21.10	32.6	18.2	0.0	0.00	260.9	14.1	0.0	0.0	350	10-Sep
PX16	86	254	22.50	34.1	14.6	0.0	0.00	125.0	12.3	0.0	0.0	350	11-Sep
PX16	86	255	17.90	35.2	18.6	0.0	0.00	145.0	15.8	0.0	0.0	350	12-Sep
PX16	86	256	17.80	33.8	20.1	0.0	0.00	157.0	15.6	0.0	0.0	350	13-Sep
PX16	86	257	22.40	35.2	17.5	0.0	0.00	185.0	15.8	0.0	0.0	350	14-Sep
PX16	86	258	20.72	35.2	19.7	0.0	0.00	147.0	16.9	0.0	0.0	350	15-Sep
PX16	86	259	21.20	34.1	15.8	0.0	0.00	136.0	15.8	0.0	0.0	350	16-Sep
PX16	86	260	21.30	33.6	17.3	0.0	0.00	126.0	12.0	0.0	0.0	350	17-Sep
PX16	86	261	20.10	35.1	17.9	0.0	0.00	120.0	12.5	0.0	0.0	350	18-Sep
PX16	86	262	20.80	34.8	18.1	0.0	0.00	112.3	9.0	0.0	0.0	350	19-Sep
PX16	86	263	18.50	33.7	18.9	0.0	0.00	112.3	9.2	0.0	0.0	350	20-Sep
PX16	86	264	7.50	28.3	16.7	0.0	0.00	69.1	9.5	0.0	0.0	350	21-Sep
PX16	86	265	6.60	27.7	20.0	0.0	0.00	112.3	12.0	0.0	0.0	350	22-Sep
PX16	86	266	5.44	25.4	15.9	9.7	0.00	77.8	15.3	0.0	0.0	350	23-Sep
PX16	86	267	18.80	23.4	11.8	0.0	0.00	60.5	9.7	0.0	0.0	350	24-Sep
PX16	86	268	18.60	25.8	13.9	0.5	0.00	65.0	10.3	0.0	0.0	350	25-Sep
PX16	86	269	18.20	28.1	16.0	0.0	0.00	69.1	10.9	0.0	0.0	350	26-Sep
PX16	86	270	21.60	30.8	12.9	0.0	0.00	86.4	10.3	0.0	0.0	350	27-Sep
PX16	86	271	21.30	30.6	14.2	0.0	0.00	95.0	8.8	0.0	0.0	350	28-Sep
PX16	86	272	19.90	29.1	13.4	0.0	0.00	51.8	8.2	0.0	0.0	350	29-Sep
PX16	86	273	20.60	30.2	13.4	0.0	0.00	69.1	8.0	0.0	0.0	350	30-Sep
PX16	86	274	21.20	33.2	13.9	0.0	0.00	250.6	6.4	0.0	0.0	350	01-Oct
PX16	86	275	19.00	27.9	16.8	0.0	0.00	181.4	8.2	0.0	0.0	350	02-Oct
PX16	86	276	17.86	27.2	15.3	0.0	0.00	112.3	8.4	0.0	0.0	350	03-Oct

FILENAME: PX030308.W86   WEATHER DATA FOR CO2=AMBIENT, IRR=WET, NIT=+, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX03	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	86	87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX03	86	88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX03	86	89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX03	86	90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX03	86	91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX03	86	92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX03	86	93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX03	86	94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX03	86	95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX03	86	96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX03	86	97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX03	86	98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX03	86	99	27.50	33.4	10.5	0.0	0.00	86.0	1.7	0.0	0.0	350	09-Apr
PX03	86	100	17.10	31.7	13.5	0.0	0.00	108.0	1.7	0.0	0.0	350	10-Apr
PX03	86	101	24.30	33.1	13.1	0.0	0.00	121.0	2.3	0.0	0.0	350	11-Apr
PX03	86	102	20.70	33.6	18.9	0.0	0.00	173.0	2.5	0.0	0.0	350	12-Apr
PX03	86	103	27.40	30.4	13.6	0.0	0.00	233.0	1.9	0.0	0.0	350	13-Apr
PX03	86	104	26.70	34.0	10.1	0.0	0.00	122.0	2.1	0.0	0.0	350	14-Apr
PX03	86	105	25.50	35.6	16.3	0.0	0.00	145.0	3.0	0.0	0.0	350	15-Apr
PX03	86	106	24.20	32.8	19.0	0.0	0.00	293.5	2.7	0.0	0.0	350	16-Apr
PX03	86	107	28.50	27.7	14.4	0.0	0.00	271.5	1.3	0.0	0.0	350	17-Apr
PX03	86	108	28.70	29.9	8.6	0.0	0.00	165.0	1.7	0.0	0.0	350	18-Apr
PX03	86	109	28.80	32.3	8.9	0.0	0.00	97.0	1.7	0.0	0.0	350	19-Apr
PX03	86	110	29.00	34.7	12.7	0.0	0.00	100.0	2.5	0.0	0.0	350	20-Apr
PX03	86	111	28.70	37.3	15.6	0.0	0.00	120.0	3.4	0.0	0.0	350	21-Apr
PX03	86	112	26.30	36.9	16.4	0.0	0.00	175.0	3.2	0.0	0.0	350	22-Apr
PX03	86	113	23.90	34.9	19.4	0.0	0.00	184.0	3.2	0.0	0.0	350	23-Apr
PX03	86	114	24.80	34.1	18.4	0.0	0.00	287.0	3.0	0.0	0.0	350	24-Apr
PX03	86	115	26.30	34.1	18.9	0.0	0.00	305.0	2.9	0.0	0.0	350	25-Apr
PX03	86	116	28.80	32.3	19.0	0.0	0.00	271.8	2.5	0.0	0.0	350	26-Apr
PX03	86	117	29.90	33.1	12.3	0.0	0.00	112.0	2.3	0.0	0.0	350	27-Apr
PX03	86	118	28.10	35.5	14.4	0.0	0.00	120.0	2.9	0.0	0.0	350	28-Apr
PX03	86	119	27.30	35.6	15.7	0.0	0.00	123.0	3.0	0.0	0.0	350	29-Apr
PX03	86	120	26.40	35.9	16.3	0.0	0.00	125.0	3.0	0.0	0.0	350	30-Apr
PX03	86	121	25.40	37.5	18.9	0.0	0.00	190.1	4.5	0.0	0.0	350	01-May
PX03	86	122	28.20	39.7	17.5	0.0	0.00	138.2	4.8	0.0	0.0	350	02-May
PX03	86	123	28.80	37.8	18.5	0.0	0.00	120.0	4.3	0.0	0.0	350	03-May
PX03	86	124	30.14	31.9	17.2	0.0	0.00	190.1	2.1	0.0	0.0	350	04-May
PX03	86	125	29.90	33.2	13.0	0.0	0.00	121.0	3.6	0.0	0.0	350	05-May
PX03	86	126	27.80	31.2	15.5	0.0	0.00	233.3	1.9	0.0	0.0	350	06-May
PX03	86	127	28.90	24.6	13.2	0.0	0.00	293.8	-0.7	0.0	0.0	350	07-May
PX03	86	128	30.20	29.3	8.9	0.0	0.00	146.9	-1.4	0.0	0.0	350	08-May
PX03	86	129	31.80	31.9	10.5	0.0	0.00	164.2	-2.5	0.0	0.0	350	09-May
PX03	86	130	30.27	35.3	12.6	0.0	0.00	146.9	-2.5	0.0	0.0	350	10-May
PX03	86	131	30.70	36.3	14.8	0.0	0.00	155.5	-1.9	0.0	0.0	350	11-May
PX03	86	132	30.70	35.6	14.0	0.0	0.00	86.4	-2.7	0.0	0.0	350	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	86	133	30.40	37.3	14.9	0.0	0.00	120.9	-1.2	0.0	0.0	350	13-May
PX03	86	134	29.10	35.9	15.6	0.0	0.00	138.2	-0.0	0.0	0.0	350	14-May
PX03	86	135	25.50	36.8	17.0	0.0	0.00	207.4	-0.0	0.0	0.0	350	15-May
PX03	86	136	31.20	36.6	17.5	0.0	0.00	207.4	3.2	0.0	0.0	350	16-May
PX03	86	137	30.70	33.8	17.9	0.0	0.00	146.9	-0.9	0.0	0.0	350	17-May
PX03	86	138	30.90	37.1	17.5	0.0	0.00	112.3	-0.0	0.0	0.0	350	18-May
PX03	86	139	30.60	41.3	19.3	0.0	0.00	129.6	1.7	0.0	0.0	350	19-May
PX03	86	140	29.60	40.7	20.4	0.0	0.00	198.7	3.2	0.0	0.0	350	20-May
PX03	86	141	22.63	37.3	21.4	0.0	0.00	190.1	2.5	0.0	0.0	350	21-May
PX03	86	142	29.10	36.0	18.6	0.0	0.00	103.7	2.9	0.0	0.0	350	22-May
PX03	86	143	27.90	36.4	21.1	0.0	0.00	146.9	4.5	0.0	0.0	350	23-May
PX03	86	144	23.10	37.0	21.0	0.0	0.00	95.0	2.7	0.0	0.0	350	24-May
PX03	86	145	29.90	39.9	19.0	0.0	0.00	129.6	3.6	0.0	0.0	350	25-May
PX03	86	146	29.40	40.0	20.4	0.0	0.00	181.4	4.1	0.0	0.0	350	26-May
PX03	86	147	29.80	40.3	20.7	0.0	0.00	129.6	4.6	0.0	0.0	350	27-May
PX03	86	148	28.57	41.0	21.2	0.0	0.00	146.9	6.8	0.0	0.0	350	28-May
PX03	86	149	26.90	39.1	23.7	0.0	0.00	164.2	9.5	0.0	0.0	350	29-May
PX03	86	150	20.00	35.6	24.5	0.0	0.00	172.8	11.6	0.0	0.0	350	30-May
PX03	86	151	25.50	37.8	21.4	0.0	0.00	172.8	13.9	0.0	0.0	350	31-May
PX03	86	152	26.30	40.4	22.2	0.5	0.00	164.2	11.2	0.0	0.0	350	01-Jun
PX03	86	153	25.14	39.3	21.6	0.0	0.00	181.4	12.9	0.0	0.0	350	02-Jun
PX03	86	154	28.73	40.2	22.9	0.0	0.00	164.2	13.4	0.0	0.0	350	03-Jun
PX03	86	155	29.30	39.3	25.4	0.0	0.00	164.2	13.7	0.0	0.0	350	04-Jun
PX03	86	156	29.40	39.7	24.6	0.0	0.00	164.2	12.1	0.0	0.0	350	05-Jun
PX03	86	157	30.60	39.3	19.7	0.0	0.00	103.7	7.8	0.0	0.0	350	06-Jun
PX03	86	158	31.10	40.2	20.2	0.0	0.00	129.6	6.4	0.0	0.0	350	07-Jun
PX03	86	159	31.30	38.4	21.4	0.0	0.00	164.2	4.1	0.0	0.0	350	08-Jun
PX03	86	160	28.70	39.8	20.5	0.0	0.00	181.4	5.0	0.0	0.0	350	09-Jun
PX03	86	161	31.00	39.1	18.4	0.0	0.00	112.3	3.6	0.0	0.0	350	10-Jun
PX03	86	162	30.80	38.8	19.1	0.0	0.00	95.0	6.5	0.0	0.0	350	11-Jun
PX03	86	163	31.00	39.4	20.8	0.0	0.00	120.9	5.9	0.0	0.0	350	12-Jun
PX03	86	164	31.10	40.0	23.9	0.0	0.00	132.0	5.8	0.0	0.0	350	13-Jun
PX03	86	165	31.30	40.4	21.3	0.0	0.00	114.0	8.8	0.0	0.0	350	14-Jun
PX03	86	166	30.14	41.4	23.9	0.0	0.00	129.6	11.1	0.0	0.0	350	15-Jun
PX03	86	167	29.50	40.9	24.0	0.0	0.00	155.5	8.9	0.0	0.0	350	16-Jun
PX03	86	168	29.70	42.5	27.8	0.0	0.00	155.5	12.1	0.0	0.0	350	17-Jun
PX03	86	169	30.60	38.4	22.4	0.0	0.00	172.8	9.2	0.0	0.0	350	18-Jun
PX03	86	170	30.90	38.9	22.1	0.0	0.00	120.0	7.5	0.0	0.0	350	19-Jun
PX03	86	171	31.30	40.2	20.7	0.0	0.00	155.5	7.4	0.0	0.0	350	20-Jun
PX03	86	172	27.70	40.7	20.9	0.0	0.00	121.0	7.3	0.0	0.0	350	21-Jun
PX03	86	173	24.10	38.1	21.0	0.0	0.00	172.8	7.3	0.0	0.0	350	22-Jun
PX03	86	174	29.60	41.0	24.2	0.0	0.00	216.0	8.6	0.0	0.0	350	23-Jun
PX03	86	175	28.90	40.3	26.7	0.0	0.00	337.0	13.9	0.0	0.0	350	24-Jun
PX03	86	176	29.40	36.3	26.1	0.0	0.00	267.8	16.4	0.0	0.0	350	25-Jun
PX03	86	177	29.30	38.1	24.7	0.0	0.00	95.0	15.7	0.0	0.0	350	26-Jun
PX03	86	178	29.70	38.7	26.7	0.0	0.00	138.2	14.8	0.0	0.0	350	27-Jun
PX03	86	179	20.70	38.0	28.7	0.0	0.00	138.2	15.1	0.0	0.0	350	28-Jun
PX03	86	180	13.60	33.9	26.9	0.0	0.00	259.2	15.7	0.0	0.0	350	29-Jun
PX03	86	181	28.30	37.2	24.1	0.0	0.00	138.2	18.7	0.0	0.0	350	30-Jun
PX03	86	182	29.20	38.3	22.6	0.0	0.00	198.7	21.2	0.0	0.0	350	01-Jul
PX03	86	183	28.30	35.3	24.2	14.0	0.00	121.0	23.1	0.0	0.0	350	02-Jul
PX03	86	184	22.90	35.0	24.4	0.0	0.00	130.0	23.6	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	86	185	22.60	33.9	23.5	1.3	0.00	190.1	21.9	0.0	0.0	350	04-Jul
PX03	86	186	30.90	35.0	22.1	0.0	0.00	181.4	17.7	0.0	0.0	350	05-Jul
PX03	86	187	30.70	37.1	21.1	0.0	0.00	181.4	16.1	0.0	0.0	350	06-Jul
PX03	86	188	18.40	36.7	26.0	0.0	0.00	181.4	16.3	0.0	0.0	350	07-Jul
PX03	86	189	29.80	38.6	24.5	0.0	0.00	155.5	16.9	0.0	0.0	350	08-Jul
PX03	86	190	29.80	36.1	25.3	0.0	0.00	172.8	19.3	0.0	0.0	350	09-Jul
PX03	86	191	29.30	36.9	26.7	0.0	0.00	155.5	20.3	0.0	0.0	350	10-Jul
PX03	86	192	29.60	36.5	26.6	0.0	0.00	146.9	17.7	0.0	0.0	350	11-Jul
PX03	86	193	30.40	36.8	25.2	0.0	0.00	164.2	13.5	0.0	0.0	350	12-Jul
PX03	86	194	26.70	35.1	25.5	0.0	0.00	198.7	16.4	0.0	0.0	350	13-Jul
PX03	86	195	22.12	34.6	27.6	0.0	0.00	207.4	20.3	0.0	0.0	350	14-Jul
PX03	86	196	25.80	35.3	25.5	0.0	0.00	198.7	19.3	0.0	0.0	350	15-Jul
PX03	86	197	23.30	34.1	24.8	0.0	0.00	302.4	19.3	0.0	0.0	350	16-Jul
PX03	86	198	30.70	34.3	22.7	0.0	0.00	181.4	19.2	0.0	0.0	350	17-Jul
PX03	86	199	22.40	35.3	25.7	0.0	0.00	138.2	19.2	0.0	0.0	350	18-Jul
PX03	86	200	28.00	38.3	25.4	0.0	0.00	181.4	18.7	0.0	0.0	350	19-Jul
PX03	86	201	26.40	40.1	22.2	0.0	0.00	164.2	16.7	0.0	0.0	350	20-Jul
PX03	86	202	13.41	27.9	20.6	15.2	0.00	146.9	20.4	0.0	0.0	350	21-Jul
PX03	86	203	28.20	32.7	20.9	0.0	0.00	121.0	20.5	0.0	0.0	350	22-Jul
PX03	86	204	19.40	33.4	22.2	0.0	0.00	172.8	18.4	0.0	0.0	350	23-Jul
PX03	86	205	28.70	35.1	24.9	0.0	0.00	241.9	18.6	0.0	0.0	350	24-Jul
PX03	86	206	26.50	34.9	23.2	0.0	0.00	250.6	15.4	0.0	0.0	350	25-Jul
PX03	86	207	29.70	35.8	21.0	0.0	0.00	112.3	12.8	0.0	0.0	350	26-Jul
PX03	86	208	29.40	37.2	19.0	0.0	0.00	103.7	10.6	0.0	0.0	350	27-Jul
PX03	86	209	25.00	37.1	20.6	0.0	0.00	69.1	12.3	0.0	0.0	350	28-Jul
PX03	86	210	28.30	37.6	23.1	0.0	0.00	198.7	15.0	0.0	0.0	350	29-Jul
PX03	86	211	29.10	36.8	20.8	0.0	0.00	146.9	13.2	0.0	0.0	350	30-Jul
PX03	86	212	28.80	38.2	21.7	0.0	0.00	146.9	12.6	0.0	0.0	350	31-Jul
PX03	86	213	27.70	37.3	24.0	0.0	0.00	164.2	14.9	0.0	0.0	350	01-Aug
PX03	86	214	25.40	37.7	28.2	0.0	0.00	181.4	18.7	0.0	0.0	350	02-Aug
PX03	86	215	20.50	39.4	26.0	0.0	0.00	103.7	16.9	0.0	0.0	350	03-Aug
PX03	86	216	27.70	42.3	26.4	0.0	0.00	138.2	16.2	0.0	0.0	350	04-Aug
PX03	86	217	26.20	39.4	27.2	0.0	0.00	129.6	17.6	0.0	0.0	350	05-Aug
PX03	86	218	22.70	35.6	26.8	0.0	0.00	164.2	19.2	0.0	0.0	350	06-Aug
PX03	86	219	27.30	37.5	26.2	2.8	0.00	198.7	18.8	0.0	0.0	350	07-Aug
PX03	86	220	20.24	35.5	25.1	0.0	0.00	172.8	18.9	0.0	0.0	350	08-Aug
PX03	86	221	27.10	37.6	25.9	1.1	0.00	155.5	18.7	0.0	0.0	350	09-Aug
PX03	86	222	25.00	37.2	25.1	0.0	0.00	155.5	19.7	0.0	0.0	350	10-Aug
PX03	86	223	21.90	39.9	26.6	0.0	0.00	172.8	20.6	0.0	0.0	350	11-Aug
PX03	86	224	24.20	37.0	27.4	0.0	0.00	129.6	20.6	0.0	0.0	350	12-Aug
PX03	86	225	26.60	36.9	25.4	0.0	0.00	112.3	21.2	0.0	0.0	350	13-Aug
PX03	86	226	26.50	37.7	26.2	0.0	0.00	138.2	20.4	0.0	0.0	350	14-Aug
PX03	86	227	27.10	37.9	26.5	0.0	0.00	150.0	18.1	0.0	0.0	350	15-Aug
PX03	86	228	26.60	38.3	26.9	0.0	0.00	146.9	18.8	0.0	0.0	350	16-Aug
PX03	86	229	19.70	37.3	28.1	0.0	0.00	198.7	19.1	0.0	0.0	350	17-Aug
PX03	86	230	14.70	37.6	26.5	0.0	0.00	95.0	19.4	0.0	0.0	350	18-Aug
PX03	86	231	25.30	43.3	25.6	0.0	0.00	95.0	18.4	0.0	0.0	350	19-Aug
PX03	86	232	25.00	40.3	27.3	0.0	0.00	112.3	19.4	0.0	0.0	350	20-Aug
PX03	86	233	21.70	40.7	30.0	0.0	0.00	205.0	18.5	0.0	0.0	350	21-Aug
PX03	86	234	26.90	41.4	26.6	0.0	0.00	131.0	18.0	0.0	0.0	350	22-Aug
PX03	86	235	18.70	40.3	25.8	0.0	0.00	241.9	16.4	0.0	0.0	350	23-Aug
PX03	86	236	17.80	34.6	24.3	0.0	0.00	121.0	19.9	0.0	0.0	350	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	86	237	20.90	37.5	23.2	0.5	0.00	200.0	19.8	0.0	0.0	350	25-Aug
PX03	86	238	21.40	34.5	23.2	5.4	0.00	152.0	21.1	0.0	0.0	350	26-Aug
PX03	86	239	19.12	34.3	23.7	23.1	0.00	137.0	21.9	0.0	0.0	350	27-Aug
PX03	86	240	24.20	35.0	24.1	0.8	0.00	178.0	21.5	0.0	0.0	350	28-Aug
PX03	86	241	20.50	34.6	23.9	2.0	0.00	205.0	21.0	0.0	0.0	350	29-Aug
PX03	86	242	24.20	36.1	21.8	0.0	0.00	164.0	20.2	0.0	0.0	350	30-Aug
PX03	86	243	22.80	37.2	25.5	0.0	0.00	164.0	20.4	0.0	0.0	350	31-Aug
PX03	86	244	24.00	36.6	24.3	0.0	0.00	145.0	18.0	0.0	0.0	350	01-Sep
PX03	86	245	24.80	36.7	22.6	0.0	0.00	112.0	16.2	0.0	0.0	350	02-Sep
PX03	86	246	23.70	37.6	21.7	0.0	0.00	112.0	14.5	0.0	0.0	350	03-Sep
PX03	86	247	25.70	38.6	24.1	0.0	0.00	100.0	16.4	0.0	0.0	350	04-Sep
PX03	86	248	25.70	39.6	25.5	0.0	0.00	127.0	12.9	0.0	0.0	350	05-Sep
PX03	86	249	24.20	40.6	22.1	0.0	0.00	130.0	12.4	0.0	0.0	350	06-Sep
PX03	86	250	23.90	41.9	25.4	0.0	0.00	331.4	12.6	0.0	0.0	350	07-Sep
PX03	86	251	14.83	40.1	24.9	0.0	0.00	207.0	15.3	0.0	0.0	350	08-Sep
PX03	86	252	20.87	38.3	24.9	0.0	0.00	271.5	2.9	0.0	0.0	350	09-Sep
PX03	86	253	21.10	31.9	18.3	0.0	0.00	260.9	13.4	0.0	0.0	350	10-Sep
PX03	86	254	22.50	34.2	15.7	0.0	0.00	125.0	7.5	0.0	0.0	350	11-Sep
PX03	86	255	17.90	35.4	17.6	0.0	0.00	145.0	10.1	0.0	0.0	350	12-Sep
PX03	86	256	17.80	34.5	19.3	0.0	0.00	157.0	8.8	0.0	0.0	350	13-Sep
PX03	86	257	22.40	35.5	16.4	0.0	0.00	185.0	7.4	0.0	0.0	350	14-Sep
PX03	86	258	20.72	35.4	19.1	0.0	0.00	147.0	8.9	0.0	0.0	350	15-Sep
PX03	86	259	21.20	33.4	15.0	0.0	0.00	136.0	8.2	0.0	0.0	350	16-Sep
PX03	86	260	21.30	32.2	15.5	0.0	0.00	126.0	8.1	0.0	0.0	350	17-Sep
PX03	86	261	20.10	34.2	16.8	0.0	0.00	120.0	7.1	0.0	0.0	350	18-Sep
PX03	86	262	20.80	34.6	16.6	0.0	0.00	112.3	7.7	0.0	0.0	350	19-Sep
PX03	86	263	18.50	34.5	17.7	0.0	0.00	112.3	9.5	0.0	0.0	350	20-Sep
PX03	86	264	7.50	28.3	15.9	0.0	0.00	69.1	9.8	0.0	0.0	350	21-Sep
PX03	86	265	6.60	27.8	20.1	0.0	0.00	112.3	12.0	0.0	0.0	350	22-Sep
PX03	86	266	5.44	25.1	16.1	9.7	0.00	77.8	15.5	0.0	0.0	350	23-Sep
PX03	86	267	18.80	23.9	11.4	0.0	0.00	60.5	10.5	0.0	0.0	350	24-Sep
PX03	86	268	18.60	27.9	13.4	0.5	0.00	65.0	10.9	0.0	0.0	350	25-Sep
PX03	86	269	18.20	28.5	15.7	0.0	0.00	69.1	11.3	0.0	0.0	350	26-Sep
PX03	86	270	21.60	30.7	12.1	0.0	0.00	86.4	10.6	0.0	0.0	350	27-Sep
PX03	86	271	21.30	30.7	13.8	0.0	0.00	95.0	9.2	0.0	0.0	350	28-Sep
PX03	86	272	19.90	29.2	13.1	0.0	0.00	51.8	8.1	0.0	0.0	350	29-Sep
PX03	86	273	20.60	30.8	12.2	0.0	0.00	69.1	8.2	0.0	0.0	350	30-Sep
PX03	86	274	21.20	32.6	12.7	0.0	0.00	250.6	6.7	0.0	0.0	350	01-Oct
PX03	86	275	19.00	28.5	16.6	0.0	0.00	181.4	8.2	0.0	0.0	350	02-Oct
PX03	86	276	17.86	27.6	15.4	0.0	0.00	112.3	8.2	0.0	0.0	350	03-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓				CO2YR	WINDYR
PX15	33.40	112.00	2.30	0 1 1 0 1				350	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	86	87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX15	86	88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX15	86	89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX15	86	90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX15	86	91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX15	86	92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX15	86	93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX15	86	94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX15	86	95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX15	86	96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX15	86	97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX10	86	98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX15	86	99	27.50	33.3	11.4	0.0	0.00	86.0	1.3	0.0	0.0	350	09-Apr
PX15	86	100	17.10	31.4	14.1	0.0	0.00	108.0	1.3	0.0	0.0	350	10-Apr
PX15	86	101	24.30	33.1	13.7	0.0	0.00	121.0	1.7	0.0	0.0	350	11-Apr
PX15	86	102	20.70	33.6	19.0	0.0	0.00	173.0	1.9	0.0	0.0	350	12-Apr
PX15	86	103	27.40	30.6	14.2	0.0	0.00	233.0	1.3	0.0	0.0	350	13-Apr
PX15	86	104	26.70	34.1	11.0	0.0	0.00	122.0	1.5	0.0	0.0	350	14-Apr
PX15	86	105	25.50	35.9	16.6	0.0	0.00	145.0	2.3	0.0	0.0	350	15-Apr
PX15	86	106	24.20	32.8	19.0	0.0	0.00	293.5	2.1	0.0	0.0	350	16-Apr
PX15	86	107	28.50	26.9	14.9	0.0	0.00	271.5	0.9	0.0	0.0	350	17-Apr
PX15	86	108	28.70	29.4	9.7	0.0	0.00	165.0	1.3	0.0	0.0	350	18-Apr
PX15	86	109	28.80	32.1	9.9	0.0	0.00	97.0	1.3	0.0	0.0	350	19-Apr
PX15	86	110	29.00	34.9	13.4	0.0	0.00	100.0	1.9	0.0	0.0	350	20-Apr
PX15	86	111	28.70	37.8	16.0	0.0	0.00	120.0	2.7	0.0	0.0	350	21-Apr
PX15	86	112	26.30	37.4	16.7	0.0	0.00	175.0	2.5	0.0	0.0	350	22-Apr
PX15	86	113	23.90	35.1	19.4	0.0	0.00	184.0	2.5	0.0	0.0	350	23-Apr
PX15	86	114	24.80	34.2	18.5	0.0	0.00	287.0	2.5	0.0	0.0	350	24-Apr
PX15	86	115	26.30	34.2	19.0	0.0	0.00	305.0	2.3	0.0	0.0	350	25-Apr
PX15	86	116	28.80	32.2	19.0	0.0	0.00	271.8	1.9	0.0	0.0	350	26-Apr
PX15	86	117	29.90	33.1	13.0	0.0	0.00	112.0	1.7	0.0	0.0	350	27-Apr
PX15	86	118	28.10	35.8	14.9	0.0	0.00	120.0	2.3	0.0	0.0	350	28-Apr
PX15	86	119	27.30	35.9	16.1	0.0	0.00	123.0	2.3	0.0	0.0	350	29-Apr
PX15	86	120	26.40	36.2	16.6	0.0	0.00	125.0	2.5	0.0	0.0	350	30-Apr
PX15	86	121	25.40	38.1	19.0	0.0	0.00	190.1	3.8	0.0	0.0	350	01-May
PX15	86	122	28.20	40.5	17.7	0.0	0.00	138.2	4.8	0.0	0.0	350	02-May
PX15	86	123	28.80	38.4	18.6	0.0	0.00	120.0	4.8	0.0	0.0	350	03-May
PX15	86	124	30.14	31.7	17.4	0.0	0.00	190.1	2.1	0.0	0.0	350	04-May
PX15	86	125	29.90	33.2	13.6	0.0	0.00	121.0	5.3	0.0	0.0	350	05-May
PX15	86	126	27.80	31.6	16.3	0.0	0.00	233.3	1.7	0.0	0.0	350	06-May
PX15	86	127	28.90	24.5	13.4	0.0	0.00	293.8	-0.9	0.0	0.0	350	07-May
PX15	86	128	30.20	29.1	10.1	0.0	0.00	146.9	-1.2	0.0	0.0	350	08-May
PX15	86	129	31.80	32.0	11.5	0.0	0.00	164.2	-2.2	0.0	0.0	350	09-May
PX15	86	130	30.27	35.7	13.6	0.0	0.00	146.9	-3.0	0.0	0.0	350	10-May
PX15	86	131	30.70	36.6	15.6	0.0	0.00	155.5	-2.7	0.0	0.0	350	11-May
PX15	86	132	30.70	36.1	14.9	0.0	0.00	86.4	-3.3	0.0	0.0	350	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	86	133	30.40	37.5	15.7	0.0	0.00	120.9	-1.7	0.0	0.0	350	13-May
PX15	86	134	29.10	35.8	16.5	0.0	0.00	138.2	-0.5	0.0	0.0	350	14-May
PX15	86	135	25.50	36.7	17.6	0.0	0.00	207.4	-0.5	0.0	0.0	350	15-May
PX15	86	136	31.20	36.6	17.9	0.0	0.00	207.4	3.0	0.0	0.0	350	16-May
PX15	86	137	30.70	34.0	18.2	0.0	0.00	146.9	-1.4	0.0	0.0	350	17-May
PX15	86	138	30.90	37.8	17.9	0.0	0.00	112.3	-0.2	0.0	0.0	350	18-May
PX15	86	139	30.60	42.1	20.1	0.0	0.00	129.6	0.4	0.0	0.0	350	19-May
PX15	86	140	29.60	42.2	21.0	0.0	0.00	198.7	1.9	0.0	0.0	350	20-May
PX15	86	141	22.63	37.5	21.5	0.0	0.00	190.1	2.1	0.0	0.0	350	21-May
PX15	86	142	29.10	36.7	19.1	0.0	0.00	103.7	2.7	0.0	0.0	350	22-May
PX15	86	143	27.90	36.9	21.5	0.0	0.00	146.9	4.5	0.0	0.0	350	23-May
PX15	86	144	23.10	37.3	21.5	0.0	0.00	95.0	2.1	0.0	0.0	350	24-May
PX15	86	145	29.90	40.3	19.9	0.0	0.00	129.6	3.0	0.0	0.0	350	25-May
PX15	86	146	29.40	40.4	21.1	0.0	0.00	181.4	3.4	0.0	0.0	350	26-May
PX15	86	147	29.80	40.6	21.4	0.0	0.00	129.6	4.5	0.0	0.0	350	27-May
PX15	86	148	28.57	41.3	22.2	0.0	0.00	146.9	7.0	0.0	0.0	350	28-May
PX15	86	149	26.90	39.5	24.2	0.0	0.00	164.2	9.8	0.0	0.0	350	29-May
PX15	86	150	20.00	35.8	25.0	0.0	0.00	172.8	12.3	0.0	0.0	350	30-May
PX15	86	151	25.50	37.7	21.7	0.0	0.00	172.8	14.4	0.0	0.0	350	31-May
PX15	86	152	26.30	40.1	22.2	0.5	0.00	164.2	12.0	0.0	0.0	350	01-Jun
PX15	86	153	25.14	39.4	22.7	0.0	0.00	181.4	13.5	0.0	0.0	350	02-Jun
PX15	86	154	28.73	40.3	23.1	0.0	0.00	164.2	14.1	0.0	0.0	350	03-Jun
PX15	86	155	29.30	39.2	25.5	0.0	0.00	164.2	14.9	0.0	0.0	350	04-Jun
PX15	86	156	29.40	39.5	24.6	0.0	0.00	164.2	13.7	0.0	0.0	350	05-Jun
PX15	86	157	30.60	39.2	19.7	0.0	0.00	103.7	10.6	0.0	0.0	350	06-Jun
PX15	86	158	31.10	40.1	20.9	0.0	0.00	129.6	10.4	0.0	0.0	350	07-Jun
PX15	86	159	31.30	38.8	21.6	0.0	0.00	164.2	9.0	0.0	0.0	350	08-Jun
PX15	86	160	28.70	39.3	20.8	0.0	0.00	181.4	6.7	0.0	0.0	350	09-Jun
PX15	86	161	31.00	39.5	19.4	0.0	0.00	112.3	3.4	0.0	0.0	350	10-Jun
PX15	86	162	30.80	38.4	19.4	0.0	0.00	95.0	7.0	0.0	0.0	350	11-Jun
PX15	86	163	31.00	39.0	20.7	0.0	0.00	120.9	4.8	0.0	0.0	350	12-Jun
PX15	86	164	31.10	39.6	23.5	0.0	0.00	132.0	4.6	0.0	0.0	350	13-Jun
PX15	86	165	31.30	40.1	22.0	0.0	0.00	114.0	9.2	0.0	0.0	350	14-Jun
PX15	86	166	30.14	41.1	24.7	0.0	0.00	129.6	11.5	0.0	0.0	350	15-Jun
PX15	86	167	29.50	40.9	24.6	0.0	0.00	155.5	9.2	0.0	0.0	350	16-Jun
PX15	86	168	29.70	42.0	28.2	0.0	0.00	155.5	11.8	0.0	0.0	350	17-Jun
PX15	86	169	30.60	38.2	23.2	0.0	0.00	172.8	8.8	0.0	0.0	350	18-Jun
PX15	86	170	30.90	38.4	22.5	0.0	0.00	120.0	6.8	0.0	0.0	350	19-Jun
PX15	86	171	31.30	39.5	21.5	0.0	0.00	155.5	6.5	0.0	0.0	350	20-Jun
PX15	86	172	27.70	39.6	21.7	0.0	0.00	121.0	6.5	0.0	0.0	350	21-Jun
PX15	86	173	24.10	38.2	21.9	0.0	0.00	172.8	5.6	0.0	0.0	350	22-Jun
PX15	86	174	29.60	41.0	24.7	0.0	0.00	216.0	8.2	0.0	0.0	350	23-Jun
PX15	86	175	28.90	40.5	27.2	0.0	0.00	337.0	13.0	0.0	0.0	350	24-Jun
PX15	86	176	29.40	36.7	26.2	0.0	0.00	267.8	16.7	0.0	0.0	350	25-Jun
PX15	86	177	29.30	39.2	25.4	0.0	0.00	95.0	15.7	0.0	0.0	350	26-Jun
PX15	86	178	29.70	38.2	27.2	0.0	0.00	138.2	15.0	0.0	0.0	350	27-Jun
PX15	86	179	20.70	37.7	28.4	0.0	0.00	138.2	15.4	0.0	0.0	350	28-Jun
PX15	86	180	13.60	33.5	27.1	0.0	0.00	259.2	15.8	0.0	0.0	350	29-Jun
PX15	86	181	28.30	36.2	24.4	0.0	0.00	138.2	17.4	0.0	0.0	350	30-Jun
PX15	86	182	29.20	37.4	23.8	0.0	0.00	198.7	19.4	0.0	0.0	350	01-Jul
PX15	86	183	28.30	34.8	24.5	14.0	0.00	121.0	22.5	0.0	0.0	350	02-Jul
PX15	86	184	22.90	34.9	24.4	0.0	0.00	130.0	22.7	0.0	0.0	350	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	86	185	22.60	33.4	23.6	1.3	0.00	190.1	20.6	0.0	0.0	350	04-Jul
PX15	86	186	30.90	34.7	23.1	0.0	0.00	181.4	14.6	0.0	0.0	350	05-Jul
PX15	86	187	30.70	36.2	21.6	0.0	0.00	181.4	12.8	0.0	0.0	350	06-Jul
PX15	86	188	18.40	36.1	26.6	0.0	0.00	181.4	14.1	0.0	0.0	350	07-Jul
PX15	86	189	29.80	37.3	25.4	0.0	0.00	155.5	16.2	0.0	0.0	350	08-Jul
PX15	86	190	29.80	35.4	26.4	0.0	0.00	172.8	18.4	0.0	0.0	350	09-Jul
PX15	86	191	29.30	37.3	27.7	0.0	0.00	155.5	19.8	0.0	0.0	350	10-Jul
PX15	86	192	29.60	36.2	26.9	0.0	0.00	146.9	17.7	0.0	0.0	350	11-Jul
PX15	86	193	30.40	36.0	25.5	0.0	0.00	164.2	13.5	0.0	0.0	350	12-Jul
PX15	86	194	26.70	35.8	25.5	0.0	0.00	198.7	16.8	0.0	0.0	350	13-Jul
PX15	86	195	22.12	34.1	27.8	0.0	0.00	207.4	21.7	0.0	0.0	350	14-Jul
PX15	86	196	25.80	35.0	25.8	0.0	0.00	198.7	19.9	0.0	0.0	350	15-Jul
PX15	86	197	23.30	34.5	25.2	0.0	0.00	302.4	19.6	0.0	0.0	350	16-Jul
PX15	86	198	30.70	34.1	23.2	0.0	0.00	181.4	19.4	0.0	0.0	350	17-Jul
PX15	86	199	22.40	34.7	26.1	0.0	0.00	138.2	19.5	0.0	0.0	350	18-Jul
PX15	86	200	28.00	37.9	26.0	0.0	0.00	181.4	18.9	0.0	0.0	350	19-Jul
PX15	86	201	26.40	39.2	22.3	0.0	0.00	164.2	17.1	0.0	0.0	350	20-Jul
PX15	86	202	13.41	27.8	20.7	15.2	0.00	146.9	20.4	0.0	0.0	350	21-Jul
PX15	86	203	28.20	32.5	21.1	0.0	0.00	121.0	20.6	0.0	0.0	350	22-Jul
PX15	86	204	19.40	33.7	22.7	0.0	0.00	172.8	18.4	0.0	0.0	350	23-Jul
PX15	86	205	28.70	35.3	25.3	0.0	0.00	241.9	18.8	0.0	0.0	350	24-Jul
PX15	86	206	26.50	35.5	23.3	0.0	0.00	250.6	15.8	0.0	0.0	350	25-Jul
PX15	86	207	29.70	36.2	21.5	0.0	0.00	112.3	13.1	0.0	0.0	350	26-Jul
PX15	86	208	29.40	35.7	19.4	0.0	0.00	103.7	16.6	0.0	0.0	350	27-Jul
PX15	86	209	25.00	37.3	20.9	0.0	0.00	69.1	14.5	0.0	0.0	350	28-Jul
PX15	86	210	28.30	37.7	23.5	0.0	0.00	198.7	15.0	0.0	0.0	350	29-Jul
PX15	86	211	29.10	37.3	21.2	0.0	0.00	146.9	13.3	0.0	0.0	350	30-Jul
PX15	86	212	28.80	38.3	22.4	0.0	0.00	146.9	12.7	0.0	0.0	350	31-Jul
PX15	86	213	27.70	37.4	24.5	0.0	0.00	164.2	14.9	0.0	0.0	350	01-Aug
PX15	86	214	25.40	37.5	28.2	0.0	0.00	181.4	18.9	0.0	0.0	350	02-Aug
PX15	86	215	20.50	38.3	26.2	0.0	0.00	103.7	17.3	0.0	0.0	350	03-Aug
PX15	86	216	27.70	40.7	26.8	0.0	0.00	138.2	16.3	0.0	0.0	350	04-Aug
PX15	86	217	26.20	38.1	27.6	0.0	0.00	129.6	17.7	0.0	0.0	350	05-Aug
PX15	86	218	22.70	35.5	27.4	0.0	0.00	164.2	19.2	0.0	0.0	350	06-Aug
PX15	86	219	27.30	37.3	26.9	2.8	0.00	198.7	18.9	0.0	0.0	350	07-Aug
PX15	86	220	20.24	35.6	26.1	0.0	0.00	172.8	18.9	0.0	0.0	350	08-Aug
PX15	86	221	27.10	37.4	27.1	1.1	0.00	155.5	18.0	0.0	0.0	350	09-Aug
PX15	86	222	25.00	37.0	25.8	0.0	0.00	155.5	19.7	0.0	0.0	350	10-Aug
PX15	86	223	21.90	38.4	27.1	0.0	0.00	172.8	20.9	0.0	0.0	350	11-Aug
PX15	86	224	24.20	36.9	27.5	0.0	0.00	129.6	21.2	0.0	0.0	350	12-Aug
PX15	86	225	26.60	37.7	26.2	0.0	0.00	112.3	21.3	0.0	0.0	350	13-Aug
PX15	86	226	26.50	37.8	27.2	0.0	0.00	138.2	20.8	0.0	0.0	350	14-Aug
PX15	86	227	27.10	37.7	27.2	0.0	0.00	150.0	20.4	0.0	0.0	350	15-Aug
PX15	86	228	26.60	38.3	27.0	0.0	0.00	146.9	18.9	0.0	0.0	350	16-Aug
PX15	86	229	19.70	37.2	28.2	0.0	0.00	198.7	19.2	0.0	0.0	350	17-Aug
PX15	86	230	14.70	37.4	26.9	0.0	0.00	95.0	19.3	0.0	0.0	350	18-Aug
PX15	86	231	25.30	42.8	26.5	0.0	0.00	95.0	18.7	0.0	0.0	350	19-Aug
PX15	86	232	25.00	40.4	27.9	0.0	0.00	112.3	19.3	0.0	0.0	350	20-Aug
PX15	86	233	21.70	40.7	29.0	0.0	0.00	205.0	17.8	0.0	0.0	350	21-Aug
PX15	86	234	26.90	41.3	25.5	0.0	0.00	131.0	17.1	0.0	0.0	350	22-Aug
PX15	86	235	18.70	39.7	25.9	0.0	0.00	241.9	15.7	0.0	0.0	350	23-Aug
PX15	86	236	17.80	34.2	23.6	0.0	0.00	121.0	20.8	0.0	0.0	350	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	86	237	20.90	36.3	22.9	0.5	0.00	200.0	20.9	0.0	0.0	350	25-Aug
PX15	86	238	21.40	34.6	23.4	5.4	0.00	152.0	21.0	0.0	0.0	350	26-Aug
PX15	86	239	19.12	34.7	23.8	23.1	0.00	137.0	22.0	0.0	0.0	350	27-Aug
PX15	86	240	24.20	34.5	24.0	0.8	0.00	178.0	21.6	0.0	0.0	350	28-Aug
PX15	86	241	20.50	35.3	24.1	2.0	0.00	205.0	21.5	0.0	0.0	350	29-Aug
PX15	86	242	25.20	34.5	23.2	0.0	0.00	164.0	21.7	0.0	0.0	350	30-Aug
PX15	86	243	22.80	35.4	26.1	0.0	0.00	164.0	21.4	0.0	0.0	350	31-Aug
PX15	86	244	24.00	35.1	23.8	0.0	0.00	145.0	19.6	0.0	0.0	350	01-Sep
PX15	86	245	24.80	36.9	21.7	0.0	0.00	112.0	17.7	0.0	0.0	350	02-Sep
PX15	86	246	23.70	37.5	21.1	0.0	0.00	112.0	17.2	0.0	0.0	350	03-Sep
PX15	86	247	25.70	38.3	23.6	0.0	0.00	100.0	15.0	0.0	0.0	350	04-Sep
PX15	86	248	25.70	39.1	24.9	0.0	0.00	127.0	14.5	0.0	0.0	350	05-Sep
PX15	86	249	24.20	39.9	23.4	0.0	0.00	130.0	12.7	0.0	0.0	350	06-Sep
PX15	86	250	23.90	41.8	26.3	0.0	0.00	331.4	12.0	0.0	0.0	350	07-Sep
PX15	86	251	14.83	40.3	24.6	0.0	0.00	207.0	15.6	0.0	0.0	350	08-Sep
PX15	86	252	20.87	38.9	24.4	0.0	0.00	271.5	2.3	0.0	0.0	350	09-Sep
PX15	86	253	21.10	32.8	19.4	0.0	0.00	260.9	12.9	0.0	0.0	350	10-Sep
PX15	86	254	22.50	33.8	15.2	0.0	0.00	125.0	7.1	0.0	0.0	350	11-Sep
PX15	86	255	17.90	34.8	19.0	0.0	0.00	145.0	10.0	0.0	0.0	350	12-Sep
PX15	86	256	17.80	33.6	20.4	0.0	0.00	157.0	8.5	0.0	0.0	350	13-Sep
PX15	86	257	22.40	34.9	17.5	0.0	0.00	185.0	7.3	0.0	0.0	350	14-Sep
PX15	86	258	20.72	34.9	19.8	0.0	0.00	147.0	8.8	0.0	0.0	350	15-Sep
PX15	86	259	21.20	34.1	15.5	0.0	0.00	136.0	7.8	0.0	0.0	350	16-Sep
PX15	86	260	21.30	33.2	16.0	0.0	0.00	126.0	6.4	0.0	0.0	350	17-Sep
PX15	86	261	20.10	34.7	17.0	0.0	0.00	120.0	7.4	0.0	0.0	350	18-Sep
PX15	86	262	20.80	34.3	16.8	0.0	0.00	112.3	7.1	0.0	0.0	350	19-Sep
PX15	86	263	18.50	33.0	17.4	0.0	0.00	112.3	10.9	0.0	0.0	350	20-Sep
PX15	86	264	7.50	27.2	15.5	0.0	0.00	69.1	12.2	0.0	0.0	350	21-Sep
PX15	86	265	6.60	27.5	19.8	0.0	0.00	112.3	14.7	0.0	0.0	350	22-Sep
PX15	86	266	5.44	25.6	16.3	9.7	0.00	77.8	14.5	0.0	0.0	350	23-Sep
PX15	86	267	18.80	24.1	11.8	0.0	0.00	60.5	8.8	0.0	0.0	350	24-Sep
PX15	86	268	18.60	26.4	13.9	0.5	0.00	65.0	10.4	0.0	0.0	350	25-Sep
PX15	86	269	18.20	28.5	16.6	0.0	0.00	69.1	12.7	0.0	0.0	350	26-Sep
PX15	86	270	21.60	30.3	13.4	0.0	0.00	86.4	10.6	0.0	0.0	350	27-Sep
PX15	86	271	21.30	30.7	14.6	0.0	0.00	95.0	9.2	0.0	0.0	350	28-Sep
PX15	86	272	19.90	29.3	13.8	0.0	0.00	51.8	8.1	0.0	0.0	350	29-Sep
PX15	86	273	20.60	30.6	13.8	0.0	0.00	69.1	8.2	0.0	0.0	350	30-Sep
PX15	86	274	21.20	32.9	14.4	0.0	0.00	250.6	6.7	0.0	0.0	350	01-Oct
PX15	86	275	19.00	28.6	17.0	0.0	0.00	181.4	8.2	0.0	0.0	350	02-Oct
PX15	86	276	17.86	27.5	16.0	0.0	0.00	112.3	8.1	0.0	0.0	350	03-Oct

FILENAME: PX050308.W86   WEATHER DATA FOR CO2=650, IRR=DRY, NIT--, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX05	33.40	112.00	2.30	0 1 1 0 1	650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	86	87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX05	86	88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX05	86	89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX05	86	90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX05	86	91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX05	86	92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX05	86	93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX05	86	94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX05	86	95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX05	86	96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX05	86	97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX05	86	98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX05	86	99	27.50	34.2	11.3	0.0	0.00	86.0	0.4	0.0	0.0	350	09-Apr
PX05	86	100	17.10	32.5	14.3	0.0	0.00	108.0	0.4	0.0	0.0	350	10-Apr
PX05	86	101	24.30	33.9	13.9	0.0	0.00	121.0	1.3	0.0	0.0	350	11-Apr
PX05	86	102	20.70	34.5	19.6	0.0	0.00	173.0	1.5	0.0	0.0	350	12-Apr
PX05	86	103	27.40	31.2	14.4	0.0	0.00	233.0	0.4	0.0	0.0	350	13-Apr
PX05	86	104	26.70	34.9	10.9	0.0	0.00	122.0	0.9	0.0	0.0	350	14-Apr
PX05	86	105	25.50	36.4	17.1	0.0	0.00	145.0	2.5	0.0	0.0	350	15-Apr
PX05	86	106	24.20	33.7	19.7	0.0	0.00	293.5	1.9	0.0	0.0	350	16-Apr
PX05	86	107	28.50	28.5	15.1	0.0	0.00	271.5	-0.5	0.0	0.0	350	17-Apr
PX05	86	108	28.70	30.7	9.4	0.0	0.00	165.0	-0.0	0.0	0.0	350	18-Apr
PX05	86	109	28.80	33.1	9.7	0.0	0.00	97.0	0.4	0.0	0.0	350	19-Apr
PX05	86	110	29.00	35.6	13.5	0.0	0.00	100.0	1.9	0.0	0.0	350	20-Apr
PX05	86	111	28.70	38.1	16.4	0.0	0.00	120.0	3.2	0.0	0.0	350	21-Apr
PX05	86	112	26.30	37.8	17.1	0.0	0.00	175.0	3.0	0.0	0.0	350	22-Apr
PX05	86	113	23.90	35.7	20.1	0.0	0.00	184.0	3.0	0.0	0.0	350	23-Apr
PX05	86	114	24.80	35.0	19.1	0.0	0.00	287.0	2.7	0.0	0.0	350	24-Apr
PX05	86	115	26.30	35.0	19.6	0.0	0.00	305.0	2.5	0.0	0.0	650	25-Apr
PX05	86	116	28.80	33.2	19.7	0.0	0.00	271.8	1.7	0.0	0.0	650	26-Apr
PX05	86	117	29.90	33.9	13.1	0.0	0.00	112.0	1.1	0.0	0.0	650	27-Apr
PX05	86	118	28.10	36.3	15.2	0.0	0.00	120.0	2.3	0.0	0.0	650	28-Apr
PX05	86	119	27.30	36.4	16.5	0.0	0.00	123.0	2.5	0.0	0.0	650	29-Apr
PX05	86	120	26.40	36.8	17.0	0.0	0.00	125.0	2.9	0.0	0.0	650	30-Apr
PX05	86	121	25.40	38.4	19.6	0.0	0.00	190.1	3.4	0.0	0.0	650	01-May
PX05	86	122	28.20	40.5	18.2	0.0	0.00	138.2	4.6	0.0	0.0	650	02-May
PX05	86	123	28.80	38.6	19.2	0.0	0.00	120.0	4.3	0.0	0.0	650	03-May
PX05	86	124	30.10	32.7	17.9	0.0	0.00	190.1	1.9	0.0	0.0	650	04-May
PX05	86	125	29.90	34.8	14.6	0.0	0.00	121.0	1.3	0.0	0.0	650	05-May
PX05	86	126	27.80	31.7	16.2	0.0	0.00	233.3	2.7	0.0	0.0	650	06-May
PX05	86	127	28.90	25.2	13.5	0.0	0.00	293.8	-0.2	0.0	0.0	650	07-May
PX05	86	128	30.20	29.8	9.6	0.0	0.00	146.9	-0.9	0.0	0.0	650	08-May
PX05	86	129	31.80	34.4	11.2	0.0	0.00	164.2	2.3	0.0	0.0	650	09-May
PX05	86	130	30.30	35.7	13.3	0.0	0.00	146.9	-0.9	0.0	0.0	650	10-May
PX05	86	131	30.70	36.7	15.5	0.0	0.00	155.5	-0.0	0.0	0.0	650	11-May
PX05	86	132	30.70	35.7	14.7	0.0	0.00	86.4	-0.7	0.0	0.0	650	12-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	86 133	30.40	37.6	15.5	0.0	0.00	120.9	0.6	0.0	0.0	650	13-May
PX05	86 134	29.10	35.8	16.3	0.0	0.00	138.2	1.7	0.0	0.0	650	14-May
PX05	86 135	25.50	36.1	17.6	0.0	0.00	207.4	-1.2	0.0	0.0	650	15-May
PX05	86 136	31.20	36.8	18.0	0.0	0.00	207.4	-0.2	0.0	0.0	650	16-May
PX05	86 137	30.70	33.8	18.1	0.0	0.00	146.9	0.4	0.0	0.0	650	17-May
PX05	86 138	30.90	37.3	17.7	0.0	0.00	112.3	1.7	0.0	0.0	650	18-May
PX05	86 139	30.60	41.7	19.8	0.0	0.00	129.6	2.7	0.0	0.0	650	19-May
PX05	86 140	29.60	42.7	21.0	0.0	0.00	198.7	3.8	0.0	0.0	650	20-May
PX05	86 141	22.63	38.0	21.8	0.0	0.00	190.1	3.8	0.0	0.0	650	21-May
PX05	86 142	29.10	36.9	19.0	0.0	0.00	103.7	3.9	0.0	0.0	650	22-May
PX05	86 143	27.90	36.9	21.6	0.0	0.00	146.9	4.6	0.0	0.0	650	23-May
PX05	86 144	23.10	37.4	21.4	0.0	0.00	95.0	2.3	0.0	0.0	650	24-May
PX05	86 145	29.90	39.2	19.6	0.0	0.00	129.6	4.8	0.0	0.0	650	25-May
PX05	86 146	29.40	40.8	19.6	0.0	0.00	181.4	6.7	0.0	0.0	650	26-May
PX05	86 147	29.80	41.0	21.0	0.0	0.00	129.6	4.5	0.0	0.0	650	27-May
PX05	86 148	28.57	41.9	22.2	0.0	0.00	146.9	6.7	0.0	0.0	650	28-May
PX05	86 149	26.90	40.2	24.3	0.0	0.00	164.2	9.3	0.0	0.0	650	29-May
PX05	86 150	20.00	36.3	24.6	0.0	0.00	172.8	11.6	0.0	0.0	650	30-May
PX05	86 151	25.50	38.4	21.6	0.0	0.00	172.8	14.0	0.0	0.0	650	31-May
PX05	86 152	26.30	40.7	22.4	0.5	0.00	164.2	11.3	0.0	0.0	650	01-Jun
PX05	86 153	25.14	39.9	22.6	0.0	0.00	181.4	12.9	0.0	0.0	650	02-Jun
PX05	86 154	28.73	41.3	23.1	0.0	0.00	164.2	13.3	0.0	0.0	650	03-Jun
PX05	86 155	29.30	40.3	25.5	0.0	0.00	164.2	13.7	0.0	0.0	650	04-Jun
PX05	86 156	29.40	40.5	24.8	0.0	0.00	164.2	12.2	0.0	0.0	650	05-Jun
PX05	86 157	30.60	40.2	19.5	0.0	0.00	103.7	8.0	0.0	0.0	650	06-Jun
PX05	86 158	31.10	40.8	20.6	0.0	0.00	129.6	6.7	0.0	0.0	650	07-Jun
PX05	86 159	31.30	39.2	21.6	0.0	0.00	164.2	4.5	0.0	0.0	650	08-Jun
PX05	86 160	28.70	39.9	20.6	0.0	0.00	181.4	4.8	0.0	0.0	650	09-Jun
PX05	86 161	31.00	40.6	19.1	0.0	0.00	112.3	2.5	0.0	0.0	650	10-Jun
PX05	86 162	30.80	39.6	19.4	0.0	0.00	95.0	5.8	0.0	0.0	650	11-Jun
PX05	86 163	31.00	40.3	20.3	0.0	0.00	120.9	6.5	0.0	0.0	650	12-Jun
PX05	86 164	31.10	41.0	21.2	0.0	0.00	132.0	7.3	0.0	0.0	650	13-Jun
PX05	86 165	31.30	41.6	22.0	0.0	0.00	114.0	8.1	0.0	0.0	650	14-Jun
PX05	86 166	30.14	42.4	24.7	0.0	0.00	129.6	10.5	0.0	0.0	650	15-Jun
PX05	86 167	29.50	42.2	24.6	0.0	0.00	155.5	8.0	0.0	0.0	650	16-Jun
PX05	86 168	29.70	43.2	28.1	0.0	0.00	155.5	11.5	0.0	0.0	650	17-Jun
PX05	86 169	30.60	39.5	23.4	0.0	0.00	172.8	8.5	0.0	0.0	650	18-Jun
PX05	86 170	30.90	39.7	22.7	0.0	0.00	120.0	6.2	0.0	0.0	650	19-Jun
PX05	86 171	31.30	41.1	21.4	0.0	0.00	155.5	6.2	0.0	0.0	650	20-Jun
PX05	86 172	27.70	41.4	21.8	0.0	0.00	121.0	6.8	0.0	0.0	650	21-Jun
PX05	86 173	24.10	39.1	21.8	0.0	0.00	172.8	7.5	0.0	0.0	650	22-Jun
PX05	86 174	29.60	41.7	24.8	0.0	0.00	216.0	8.9	0.0	0.0	650	23-Jun
PX05	86 175	28.90	40.9	27.1	0.0	0.00	337.0	13.1	0.0	0.0	650	24-Jun
PX05	86 176	29.40	37.9	26.6	0.0	0.00	267.8	16.3	0.0	0.0	650	25-Jun
PX05	86 177	29.30	39.7	25.9	0.0	0.00	95.0	14.9	0.0	0.0	650	26-Jun
PX05	86 178	29.70	40.2	27.6	0.0	0.00	138.2	14.2	0.0	0.0	650	27-Jun
PX05	86 179	20.70	39.3	29.3	0.0	0.00	138.2	14.8	0.0	0.0	650	28-Jun
PX05	86 180	13.60	35.0	27.1	0.0	0.00	259.2	15.4	0.0	0.0	650	29-Jun
PX05	86 181	28.30	37.0	24.3	0.0	0.00	138.2	18.0	0.0	0.0	650	30-Jun
PX05	86 182	29.20	38.2	23.8	10.9	0.00	198.7	21.7	0.0	0.0	650	01-Jul
PX05	86 183	28.30	35.4	24.3	14.0	0.00	121.0	23.1	0.0	0.0	650	02-Jul
PX05	86 184	22.90	36.5	24.6	0.0	0.00	130.0	22.5	0.0	0.0	650	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX05	86	185	22.60	34.7	23.5	1.3	0.00	190.1	20.6	0.0	0.0	650	04-Jul
PX05	86	186	30.90	35.0	22.9	0.0	0.00	181.4	17.7	0.0	0.0	650	05-Jul
PX05	86	187	30.70	36.6	21.4	0.0	0.00	181.4	17.7	0.0	0.0	650	06-Jul
PX05	86	188	18.40	36.4	26.2	0.0	0.00	181.4	16.3	0.0	0.0	650	07-Jul
PX05	86	189	29.80	38.3	25.0	0.0	0.00	155.5	15.8	0.0	0.0	650	08-Jul
PX05	86	190	29.80	36.5	26.7	0.0	0.00	172.8	18.4	0.0	0.0	650	09-Jul
PX05	86	191	29.30	37.2	27.7	0.0	0.00	155.5	17.9	0.0	0.0	650	10-Jul
PX05	86	192	29.60	37.9	27.1	0.0	0.00	146.9	16.9	0.0	0.0	650	11-Jul
PX05	86	193	30.40	38.9	25.7	0.0	0.00	164.2	12.2	0.0	0.0	650	12-Jul
PX05	86	194	26.70	38.1	25.6	0.0	0.00	198.7	15.8	0.0	0.0	650	13-Jul
PX05	86	195	22.12	36.1	27.9	0.0	0.00	207.4	18.2	0.0	0.0	650	14-Jul
PX05	86	196	25.80	36.5	25.8	0.0	0.00	198.7	19.0	0.0	0.0	650	15-Jul
PX05	86	197	23.30	35.2	25.2	0.0	0.00	302.4	19.1	0.0	0.0	650	16-Jul
PX05	86	198	30.70	35.2	23.0	0.0	0.00	181.4	18.9	0.0	0.0	650	17-Jul
PX05	86	199	22.43	36.1	26.4	0.0	0.00	138.2	19.0	0.0	0.0	650	18-Jul
PX05	86	200	28.00	40.3	26.0	0.0	0.00	181.4	18.4	0.0	0.0	650	19-Jul
PX05	86	201	26.40	42.0	22.3	0.0	0.00	164.2	16.2	0.0	0.0	650	20-Jul
PX05	86	202	13.41	28.7	20.6	15.2	0.00	146.9	20.6	0.0	0.0	650	21-Jul
PX05	86	203	28.20	34.3	21.1	0.0	0.00	121.0	20.2	0.0	0.0	650	22-Jul
PX05	86	204	19.40	35.0	22.9	0.0	0.00	172.8	17.8	0.0	0.0	650	23-Jul
PX05	86	205	28.70	36.4	25.4	0.0	0.00	241.9	18.2	0.0	0.0	650	24-Jul
PX05	86	206	26.50	36.8	23.8	0.0	0.00	250.6	14.9	0.0	0.0	650	25-Jul
PX05	86	207	29.70	38.0	21.9	0.0	0.00	112.3	11.6	0.0	0.0	650	26-Jul
PX05	86	208	29.40	39.3	20.3	0.0	0.00	103.7	8.9	0.0	0.0	650	27-Jul
PX05	86	209	25.00	39.6	21.0	0.0	0.00	69.1	11.4	0.0	0.0	650	28-Jul
PX05	86	210	28.30	39.3	23.9	0.0	0.00	198.7	14.9	0.0	0.0	650	29-Jul
PX05	86	211	29.10	39.3	22.0	0.0	0.00	146.9	13.0	0.0	0.0	650	30-Jul
PX05	86	212	28.80	41.3	22.5	0.0	0.00	146.9	12.9	0.0	0.0	650	31-Jul
PX05	86	213	27.70	40.8	24.9	0.0	0.00	164.2	15.1	0.0	0.0	650	01-Aug
PX05	86	214	25.40	41.4	28.6	0.0	0.00	181.4	19.3	0.0	0.0	650	02-Aug
PX05	86	215	20.50	42.9	26.7	0.0	0.00	103.7	17.5	0.0	0.0	650	03-Aug
PX05	86	216	27.70	43.9	27.4	0.0	0.00	138.2	15.7	0.0	0.0	650	04-Aug
PX05	86	217	26.20	40.1	28.0	0.0	0.00	129.6	17.2	0.0	0.0	650	05-Aug
PX05	86	218	22.70	37.1	27.4	0.0	0.00	164.2	18.8	0.0	0.0	650	06-Aug
PX05	86	219	27.30	38.7	27.4	2.8	0.00	198.7	18.8	0.0	0.0	650	07-Aug
PX05	86	220	20.24	37.4	26.3	0.0	0.00	172.8	18.4	0.0	0.0	650	08-Aug
PX05	86	221	27.10	40.2	27.1	1.1	0.00	155.5	17.9	0.0	0.0	650	09-Aug
PX05	86	222	25.00	39.5	26.3	0.0	0.00	155.5	18.9	0.0	0.0	650	10-Aug
PX05	86	223	21.90	41.5	27.5	0.0	0.00	172.8	19.9	0.0	0.0	650	11-Aug
PX05	86	224	24.20	38.0	27.7	0.0	0.00	129.6	20.0	0.0	0.0	650	12-Aug
PX05	86	225	26.60	39.9	26.4	0.0	0.00	112.3	20.4	0.0	0.0	650	13-Aug
PX05	86	226	26.50	39.9	27.2	0.0	0.00	138.2	19.7	0.0	0.0	650	14-Aug
PX05	86	227	27.10	39.9	27.9	0.0	0.00	150.0	17.4	0.0	0.0	650	15-Aug
PX05	86	228	26.60	40.4	27.7	0.0	0.00	146.9	18.1	0.0	0.0	650	16-Aug
PX05	86	229	19.70	39.0	28.3	0.0	0.00	198.7	18.5	0.0	0.0	650	17-Aug
PX05	86	230	14.70	39.3	26.9	0.0	0.00	95.0	19.0	0.0	0.0	650	18-Aug
PX05	86	231	25.30	44.0	27.0	0.0	0.00	95.0	18.2	0.0	0.0	650	19-Aug
PX05	86	232	25.00	42.3	28.2	0.0	0.00	112.3	19.0	0.0	0.0	650	20-Aug
PX05	86	233	21.70	41.8	27.5	0.0	0.00	205.0	18.1	0.0	0.0	650	21-Aug
PX05	86	234	26.90	41.3	26.9	0.0	0.00	131.0	17.1	0.0	0.0	650	22-Aug
PX05	86	235	18.70	40.8	26.3	0.0	0.00	241.9	16.0	0.0	0.0	650	23-Aug
PX05	86	236	17.80	35.1	24.6	0.0	0.00	121.0	19.9	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	86	237	20.90	39.0	22.0	0.5	0.00	200.0	19.5	0.0	0.0	650	25-Aug
PX05	86	238	21.40	35.8	22.9	5.3	0.00	200.0	20.6	0.0	0.0	650	26-Aug
PX05	86	239	19.12	36.5	24.0	23.1	0.00	137.0	20.4	0.0	0.0	650	27-Aug
PX05	86	240	24.20	35.7	24.1	0.8	0.00	178.0	20.7	0.0	0.0	650	28-Aug
PX05	86	241	20.50	35.7	22.7	2.0	0.00	205.0	20.7	0.0	0.0	650	29-Aug
PX05	86	242	24.20	36.5	25.9	0.0	0.00	164.0	20.3	0.0	0.0	650	30-Aug
PX05	86	243	22.80	36.4	24.7	0.0	0.00	164.0	20.6	0.0	0.0	650	31-Aug
PX05	86	244	24.00	37.3	23.1	0.0	0.00	145.0	18.3	0.0	0.0	650	01-Sep
PX05	86	245	24.80	37.8	22.2	0.0	0.00	112.0	16.0	0.0	0.0	650	02-Sep
PX05	86	246	23.70	38.6	22.4	0.0	0.00	112.0	14.7	0.0	0.0	650	03-Sep
PX05	86	247	25.70	39.4	22.6	0.0	0.00	100.0	14.8	0.0	0.0	650	04-Sep
PX05	86	248	25.70	39.4	22.6	0.0	0.00	127.0	14.9	0.0	0.0	650	05-Sep
PX05	86	249	24.20	40.2	22.8	0.0	0.00	130.0	11.2	0.0	0.0	650	06-Sep
PX05	86	250	23.90	42.1	26.3	0.0	0.00	331.4	11.8	0.0	0.0	650	07-Sep
PX05	86	251	14.83	38.2	25.2	0.0	0.00	207.0	15.3	0.0	0.0	650	08-Sep
PX05	86	252	20.87	36.1	23.6	0.0	0.00	271.5	14.9	0.0	0.0	650	09-Sep
PX05	86	253	21.10	34.0	19.4	0.0	0.00	260.9	14.4	0.0	0.0	650	10-Sep
PX05	86	254	22.50	35.8	15.0	0.0	0.00	125.0	7.5	0.0	0.0	650	11-Sep
PX05	86	255	17.90	36.6	18.7	0.0	0.00	145.0	11.1	0.0	0.0	650	12-Sep
PX05	86	256	17.80	35.6	20.2	0.0	0.00	157.0	10.3	0.0	0.0	650	13-Sep
PX05	86	257	22.40	36.9	17.3	0.0	0.00	185.0	10.0	0.0	0.0	650	14-Sep
PX05	86	258	20.72	36.7	19.9	0.0	0.00	147.0	11.6	0.0	0.0	650	15-Sep
PX05	86	259	21.20	35.2	15.8	0.0	0.00	136.0	10.9	0.0	0.0	650	16-Sep
PX05	86	260	21.30	35.6	18.6	0.0	0.00	126.0	6.5	0.0	0.0	650	17-Sep
PX05	86	261	20.10	34.4	17.2	0.0	0.00	120.0	8.1	0.0	0.0	650	18-Sep
PX05	86	262	20.80	35.5	17.9	0.0	0.00	112.3	7.3	0.0	0.0	650	19-Sep
PX05	86	263	18.50	35.5	19.1	0.0	0.00	112.3	9.2	0.0	0.0	650	20-Sep
PX05	86	264	7.50	29.2	16.8	0.0	0.00	69.1	9.4	0.0	0.0	650	21-Sep
PX05	86	265	6.60	28.2	20.2	0.0	0.00	112.3	11.9	0.0	0.0	650	22-Sep
PX05	86	266	5.44	25.9	16.0	9.7	0.00	77.8	15.3	0.0	0.0	650	23-Sep
PX05	86	267	18.80	25.7	11.3	0.0	0.00	60.5	9.9	0.0	0.0	650	24-Sep
PX05	86	268	18.60	27.7	13.8	0.5	0.00	65.0	10.5	0.0	0.0	650	25-Sep
PX05	86	269	18.20	29.6	16.1	0.0	0.00	69.1	11.1	0.0	0.0	650	26-Sep
PX05	86	270	21.60	31.7	12.9	0.0	0.00	86.4	10.4	0.0	0.0	650	27-Sep
PX05	86	271	21.30	32.0	14.3	0.0	0.00	95.0	8.9	0.0	0.0	650	28-Sep
PX05	86	272	19.90	29.8	13.5	0.0	0.00	51.8	8.2	0.0	0.0	650	29-Sep
PX05	86	273	20.60	31.2	13.2	0.0	0.00	69.1	8.1	0.0	0.0	650	30-Sep
PX05	86	274	21.20	33.6	13.9	0.0	0.00	250.6	6.1	0.0	0.0	650	01-Oct
PX05	86	275	19.00	29.1	16.9	0.0	0.00	181.4	8.2	0.0	0.0	650	02-Oct
PX05	86	276	17.86	28.3	15.5	0.0	0.00	112.3	8.1	0.0	0.0	650	03-Oct

FILENAME: PX110308.W86   WEATHER DATA FOR CO2=650, IRR=DRY, NIT=-, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX11	33.40	112.00	2.30	0 1 1 0 1	650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	86	87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX11	86	88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX11	86	89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX11	86	90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX11	86	91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX11	86	92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX11	86	93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX11	86	94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX11	86	95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX11	86	96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX11	86	97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX11	86	98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX11	86	99	27.50	34.0	11.1	0.0	0.00	86.0	-2.2	0.0	0.0	350	09-Apr
PX11	86	100	17.10	32.0	13.9	0.0	0.00	108.0	-2.2	0.0	0.0	350	10-Apr
PX11	86	101	24.30	33.7	13.5	0.0	0.00	121.0	-1.7	0.0	0.0	350	11-Apr
PX11	86	102	20.70	34.3	19.0	0.0	0.00	173.0	-1.4	0.0	0.0	350	12-Apr
PX11	86	103	27.40	30.4	14.0	0.0	0.00	233.0	-1.9	0.0	0.0	350	13-Apr
PX11	86	104	26.70	34.8	10.7	0.0	0.00	122.0	-1.7	0.0	0.0	350	14-Apr
PX11	86	105	25.50	36.6	16.6	0.0	0.00	145.0	-0.9	0.0	0.0	350	15-Apr
PX11	86	106	24.20	33.4	19.1	0.0	0.00	293.5	-1.2	0.0	0.0	350	16-Apr
PX11	86	107	28.50	27.2	14.8	0.0	0.00	271.5	-2.5	0.0	0.0	350	17-Apr
PX11	86	108	28.70	29.8	9.3	0.0	0.00	165.0	-2.2	0.0	0.0	350	18-Apr
PX11	86	109	28.80	32.7	9.6	0.0	0.00	97.0	-2.2	0.0	0.0	350	19-Apr
PX11	86	110	29.00	35.6	13.2	0.0	0.00	100.0	-1.2	0.0	0.0	350	20-Apr
PX11	86	111	28.70	38.6	15.9	0.0	0.00	120.0	-0.5	0.0	0.0	350	21-Apr
PX11	86	112	26.30	38.2	16.7	0.0	0.00	175.0	-0.5	0.0	0.0	350	22-Apr
PX11	86	113	23.90	35.8	19.5	0.0	0.00	184.0	-0.7	0.0	0.0	350	23-Apr
PX11	86	114	24.80	34.9	18.5	0.0	0.00	287.0	-0.7	0.0	0.0	350	24-Apr
PX11	86	115	26.30	34.9	19.0	0.0	0.00	305.0	-0.9	0.0	0.0	650	25-Apr
PX11	86	116	28.80	32.8	19.1	0.0	0.00	271.8	-1.4	0.0	0.0	650	26-Apr
PX11	86	117	29.90	33.7	12.8	0.0	0.00	112.0	-1.7	0.0	0.0	650	27-Apr
PX11	86	118	28.10	36.5	14.8	0.0	0.00	120.0	-0.9	0.0	0.0	650	28-Apr
PX11	86	119	27.30	36.6	16.0	0.0	0.00	123.0	-0.9	0.0	0.0	650	29-Apr
PX11	86	120	26.40	37.0	16.6	0.0	0.00	125.0	-0.7	0.0	0.0	650	30-Apr
PX11	86	121	25.40	38.9	19.0	0.0	0.00	190.1	-0.5	0.0	0.0	650	01-May
PX11	86	122	28.20	41.5	17.7	0.0	0.00	138.2	0.4	0.0	0.0	650	02-May
PX11	86	123	28.80	39.2	18.6	0.0	0.00	120.0	0.2	0.0	0.0	650	03-May
PX11	86	124	30.14	32.2	17.4	0.0	0.00	190.1	-1.2	0.0	0.0	650	04-May
PX11	86	125	29.90	32.9	13.3	0.0	0.00	121.0	-1.2	0.0	0.0	650	05-May
PX11	86	126	27.80	31.2	15.7	0.0	0.00	233.3	1.1	0.0	0.0	650	06-May
PX11	86	127	28.90	24.5	12.8	0.0	0.00	293.8	-1.7	0.0	0.0	650	07-May
PX11	86	128	30.20	29.2	10.0	0.0	0.00	146.9	-2.5	0.0	0.0	650	08-May
PX11	86	129	31.80	32.2	11.2	0.0	0.00	164.2	-3.8	0.0	0.0	650	09-May
PX11	86	130	30.30	36.1	13.3	0.0	0.00	146.9	-4.1	0.0	0.0	650	10-May
PX11	86	131	30.70	36.9	15.2	0.0	0.00	155.5	-3.8	0.0	0.0	650	11-May
PX11	86	132	30.70	36.3	14.3	0.0	0.00	86.4	-4.7	0.0	0.0	650	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	86	133	30.40	38.1	15.4	0.0	0.00	120.9	-3.0	0.0	0.0	650	13-May
PX11	86	134	29.10	36.3	16.1	0.0	0.00	138.2	-1.7	0.0	0.0	650	14-May
PX11	86	135	25.50	37.9	17.2	0.0	0.00	207.4	-1.7	0.0	0.0	650	15-May
PX11	86	136	31.20	36.4	17.4	0.0	0.00	207.4	-2.2	0.0	0.0	650	16-May
PX11	86	137	30.70	34.3	17.5	0.0	0.00	146.9	-2.7	0.0	0.0	650	17-May
PX11	86	138	30.90	38.5	17.4	0.0	0.00	112.3	-1.2	0.0	0.0	650	18-May
PX11	86	139	30.60	42.9	19.4	0.0	0.00	129.6	-0.5	0.0	0.0	650	19-May
PX11	86	140	29.60	43.3	20.4	0.0	0.00	198.7	0.6	0.0	0.0	650	20-May
PX11	86	141	22.63	38.6	21.0	0.0	0.00	190.1	0.9	0.0	0.0	650	21-May
PX11	86	142	29.10	38.0	18.8	0.0	0.00	103.7	1.5	0.0	0.0	650	22-May
PX11	86	143	27.90	38.0	21.2	0.0	0.00	146.9	3.2	0.0	0.0	650	23-May
PX11	86	144	23.10	37.9	21.0	0.0	0.00	95.0	1.3	0.0	0.0	650	24-May
PX11	86	145	29.90	41.2	19.3	0.0	0.00	129.6	2.5	0.0	0.0	650	25-May
PX11	86	146	29.40	41.3	20.7	0.0	0.00	181.4	2.9	0.0	0.0	650	26-May
PX11	86	147	29.80	41.4	20.7	0.0	0.00	129.6	3.9	0.0	0.0	650	27-May
PX11	86	148	28.57	42.2	21.4	0.0	0.00	146.9	6.7	0.0	0.0	650	28-May
PX11	86	149	26.90	40.1	23.8	0.0	0.00	164.2	9.2	0.0	0.0	650	29-May
PX11	86	150	20.00	36.4	24.8	0.0	0.00	172.8	11.5	0.0	0.0	650	30-May
PX11	86	151	25.50	38.6	21.7	0.0	0.00	172.8	13.8	0.0	0.0	650	31-May
PX11	86	152	26.30	40.7	21.9	0.5	0.00	164.2	11.1	0.0	0.0	650	01-Jun
PX11	86	153	25.14	40.3	22.4	0.0	0.00	181.4	12.7	0.0	0.0	650	02-Jun
PX11	86	154	28.73	41.3	23.1	0.0	0.00	164.2	13.1	0.0	0.0	650	03-Jun
PX11	86	155	29.30	40.6	25.3	0.0	0.00	164.2	13.5	0.0	0.0	650	04-Jun
PX11	86	156	29.40	40.5	24.4	0.0	0.00	164.2	11.9	0.0	0.0	650	05-Jun
PX11	86	157	30.60	40.5	19.6	0.0	0.00	103.7	7.7	0.0	0.0	650	06-Jun
PX11	86	158	31.10	41.2	20.7	0.0	0.00	129.6	6.2	0.0	0.0	650	07-Jun
PX11	86	159	31.30	39.4	21.5	0.0	0.00	164.2	3.6	0.0	0.0	650	08-Jun
PX11	86	160	28.70	40.0	20.7	0.0	0.00	181.4	4.3	0.0	0.0	650	09-Jun
PX11	86	161	31.00	41.2	19.3	0.0	0.00	112.3	2.3	0.0	0.0	650	10-Jun
PX11	86	162	30.80	39.9	19.3	0.0	0.00	95.0	6.4	0.0	0.0	650	11-Jun
PX11	86	163	31.00	40.7	20.2	0.0	0.00	120.9	6.8	0.0	0.0	650	12-Jun
PX11	86	164	31.10	41.5	21.1	0.0	0.00	132.0	7.4	0.0	0.0	650	13-Jun
PX11	86	165	31.30	42.4	21.9	0.0	0.00	114.0	8.2	0.0	0.0	650	14-Jun
PX11	86	166	30.14	43.0	24.8	0.0	0.00	129.6	5.6	0.0	0.0	650	15-Jun
PX11	86	167	29.50	42.4	24.6	0.0	0.00	155.5	7.7	0.0	0.0	650	16-Jun
PX11	86	168	29.70	43.8	27.8	0.0	0.00	155.5	10.9	0.0	0.0	650	17-Jun
PX11	86	169	30.60	39.6	22.9	0.0	0.00	172.8	7.7	0.0	0.0	650	18-Jun
PX11	86	170	30.90	40.1	22.1	0.0	0.00	120.0	5.6	0.0	0.0	650	19-Jun
PX11	86	171	31.30	41.5	21.4	0.0	0.00	155.5	5.0	0.0	0.0	650	20-Jun
PX11	86	172	27.70	42.2	21.3	0.0	0.00	121.0	4.8	0.0	0.0	650	21-Jun
PX11	86	173	24.10	39.6	21.5	0.0	0.00	172.8	3.9	0.0	0.0	650	22-Jun
PX11	86	174	29.60	42.4	24.3	0.0	0.00	216.0	6.8	0.0	0.0	650	23-Jun
PX11	86	175	28.90	41.7	27.2	0.0	0.00	337.0	12.3	0.0	0.0	650	24-Jun
PX11	86	176	29.40	38.1	25.5	0.0	0.00	267.8	17.2	0.0	0.0	650	25-Jun
PX11	86	177	29.30	40.0	24.5	0.0	0.00	95.0	17.7	0.0	0.0	650	26-Jun
PX11	86	178	29.70	40.4	26.1	0.0	0.00	138.2	16.9	0.0	0.0	650	27-Jun
PX11	86	179	20.70	39.6	28.8	0.0	0.00	138.2	14.3	0.0	0.0	650	28-Jun
PX11	86	180	13.60	34.8	27.2	0.0	0.00	259.2	15.0	0.0	0.0	650	29-Jun
PX11	86	181	28.30	38.8	24.3	0.0	0.00	138.2	20.4	0.0	0.0	650	30-Jun
PX11	86	182	29.20	39.8	23.8	10.9	0.00	198.7	21.2	0.0	0.0	650	01-Jul
PX11	86	183	28.30	36.2	24.5	14.0	0.00	121.0	23.5	0.0	0.0	650	02-Jul
PX11	86	184	22.90	36.2	24.6	0.0	0.00	130.0	23.6	0.0	0.0	650	03-Jul

	IYR	SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00	
INSTW		JUL	XTMAX		XRAIN		WIND		STMAX		CO2		
PX11	86	185	22.60	34.2	23.5	1.3	0.00	190.1	22.3	0.0	0.0	650	04-Jul
PX11	86	186	30.90	36.4	22.7	0.0	0.00	181.4	19.2	0.0	0.0	650	05-Jul
PX11	86	187	30.70	37.6	21.2	0.0	0.00	181.4	18.4	0.0	0.0	650	06-Jul
PX11	86	188	18.40	36.7	26.5	0.0	0.00	181.4	16.1	0.0	0.0	650	07-Jul
PX11	86	189	29.80	39.4	24.8	0.0	0.00	155.5	15.5	0.0	0.0	650	08-Jul
PX11	86	190	29.80	36.9	24.8	0.0	0.00	172.8	16.1	0.0	0.0	650	09-Jul
PX11	86	191	29.30	37.4	27.2	0.0	0.00	155.5	17.8	0.0	0.0	650	10-Jul
PX11	86	192	29.60	37.8	26.9	0.0	0.00	146.9	16.8	0.0	0.0	650	11-Jul
PX11	86	193	30.40	38.8	25.6	0.0	0.00	164.2	12.0	0.0	0.0	650	12-Jul
PX11	86	194	26.70	38.0	25.5	0.0	0.00	198.7	15.5	0.0	0.0	650	13-Jul
PX11	86	195	22.12	36.3	27.8	0.0	0.00	207.4	18.0	0.0	0.0	650	14-Jul
PX11	86	196	25.80	36.8	25.9	0.0	0.00	198.7	18.9	0.0	0.0	650	15-Jul
PX11	86	197	23.30	35.4	25.1	0.0	0.00	302.4	19.1	0.0	0.0	650	16-Jul
PX11	86	198	30.70	35.8	23.1	0.0	0.00	181.4	18.9	0.0	0.0	650	17-Jul
PX11	86	199	22.40	36.3	26.2	0.0	0.00	138.2	19.0	0.0	0.0	650	18-Jul
PX11	86	200	28.00	40.1	25.9	0.0	0.00	181.4	18.4	0.0	0.0	650	19-Jul
PX11	86	201	26.40	41.6	22.4	0.0	0.00	164.2	16.4	0.0	0.0	650	20-Jul
PX11	86	202	13.41	28.3	20.6	15.2	0.00	146.9	20.4	0.0	0.0	650	21-Jul
PX11	86	203	28.20	34.1	21.1	0.0	0.00	121.0	20.4	0.0	0.0	650	22-Jul
PX11	86	204	19.40	36.2	22.4	0.0	0.00	172.8	18.3	0.0	0.0	650	23-Jul
PX11	86	205	28.70	37.1	23.6	0.0	0.00	241.9	18.5	0.0	0.0	650	24-Jul
PX11	86	206	26.50	38.0	21.6	0.0	0.00	250.6	15.8	0.0	0.0	650	25-Jul
PX11	86	207	29.70	38.8	19.6	0.0	0.00	112.3	13.4	0.0	0.0	650	26-Jul
PX11	86	208	29.40	40.1	20.4	0.0	0.00	103.7	9.7	0.0	0.0	650	27-Jul
PX11	86	209	25.00	40.4	21.1	0.0	0.00	69.1	11.8	0.0	0.0	650	28-Jul
PX11	86	210	28.30	39.8	23.9	0.0	0.00	198.7	14.7	0.0	0.0	650	29-Jul
PX11	86	211	29.10	39.7	21.9	0.0	0.00	146.9	12.9	0.0	0.0	650	30-Jul
PX11	86	212	28.80	41.4	22.4	0.0	0.00	146.9	12.4	0.0	0.0	650	31-Jul
PX11	86	213	27.70	40.6	24.4	0.0	0.00	164.2	14.5	0.0	0.0	650	01-Aug
PX11	86	214	25.40	40.8	28.2	0.0	0.00	181.4	18.4	0.0	0.0	650	02-Aug
PX11	86	215	20.50	42.0	26.3	0.0	0.00	103.7	16.8	0.0	0.0	650	03-Aug
PX11	86	216	27.70	45.2	26.9	0.0	0.00	138.2	16.9	0.0	0.0	650	04-Aug
PX11	86	217	26.20	42.4	28.0	0.0	0.00	129.6	19.3	0.0	0.0	650	05-Aug
PX11	86	218	22.70	38.3	27.5	0.0	0.00	164.2	20.5	0.0	0.0	650	06-Aug
PX11	86	219	27.30	40.2	27.6	2.8	0.00	198.7	20.4	0.0	0.0	650	07-Aug
PX11	86	220	20.24	37.5	26.2	0.0	0.00	172.8	20.1	0.0	0.0	650	08-Aug
PX11	86	221	27.10	40.3	26.5	1.1	0.00	155.5	20.4	0.0	0.0	650	09-Aug
PX11	86	222	25.00	39.4	26.0	0.0	0.00	155.5	21.4	0.0	0.0	650	10-Aug
PX11	86	223	21.90	41.4	27.2	0.0	0.00	172.8	21.2	0.0	0.0	650	11-Aug
PX11	86	224	24.20	39.3	27.6	0.0	0.00	129.6	19.8	0.0	0.0	650	12-Aug
PX11	86	225	26.60	40.5	26.6	0.0	0.00	112.3	20.0	0.0	0.0	650	13-Aug
PX11	86	226	26.50	40.8	27.4	0.0	0.00	138.2	19.2	0.0	0.0	650	14-Aug
PX11	86	227	27.10	40.5	27.4	0.0	0.00	150.0	17.3	0.0	0.0	650	15-Aug
PX11	86	228	26.60	40.7	27.1	0.0	0.00	146.9	17.7	0.0	0.0	650	16-Aug
PX11	86	229	19.70	39.3	28.6	0.0	0.00	198.7	18.3	0.0	0.0	650	17-Aug
PX11	86	230	14.70	39.8	26.9	0.0	0.00	95.0	18.6	0.0	0.0	650	18-Aug
PX11	86	231	25.30	44.6	26.7	0.0	0.00	95.0	17.9	0.0	0.0	650	19-Aug
PX11	86	232	25.00	42.4	27.9	0.0	0.00	112.3	18.4	0.0	0.0	650	20-Aug
PX11	86	233	21.70	41.9	27.2	0.0	0.00	205.0	17.5	0.0	0.0	650	21-Aug
PX11	86	234	26.90	41.4	26.4	0.0	0.00	131.0	16.5	0.0	0.0	650	22-Aug
PX11	86	235	18.70	41.0	25.7	0.0	0.00	241.9	15.5	0.0	0.0	650	23-Aug
PX11	86	236	17.80	35.6	24.6	0.0	0.00	121.0	19.6	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	86	237	20.90	38.7	22.9	0.5	0.00	200.0	21.4	0.0	0.0	650	25-Aug
PX11	86	238	21.40	36.3	23.3	5.3	0.00	200.0	20.8	0.0	0.0	650	26-Aug
PX11	86	239	19.12	35.7	23.5	23.1	0.00	137.0	21.5	0.0	0.0	650	27-Aug
PX11	86	240	24.20	35.9	23.2	0.8	0.00	178.0	20.8	0.0	0.0	650	28-Aug
PX11	86	241	20.50	35.4	20.1	2.0	0.00	205.0	20.9	0.0	0.0	650	29-Aug
PX11	86	242	24.20	35.2	22.5	0.0	0.00	164.0	19.9	0.0	0.0	650	30-Aug
PX11	86	243	22.80	36.9	25.7	0.0	0.00	164.0	20.2	0.0	0.0	650	31-Aug
PX11	86	244	24.00	36.2	24.3	0.0	0.00	145.0	17.6	0.0	0.0	650	01-Sep
PX11	86	245	24.80	37.5	23.0	0.0	0.00	112.0	15.6	0.0	0.0	650	02-Sep
PX11	86	246	23.70	38.3	22.0	0.0	0.00	112.0	13.7	0.0	0.0	650	03-Sep
PX11	86	247	25.70	39.1	22.3	0.0	0.00	100.0	12.9	0.0	0.0	650	04-Sep
PX11	86	248	25.70	39.9	22.7	0.0	0.00	127.0	12.1	0.0	0.0	650	05-Sep
PX11	86	249	24.20	40.7	23.0	0.0	0.00	130.0	11.3	0.0	0.0	650	06-Sep
PX11	86	250	23.90	41.3	26.1	0.0	0.00	331.4	11.1	0.0	0.0	650	07-Sep
PX11	86	251	14.83	37.8	25.2	0.0	0.00	207.0	14.4	0.0	0.0	650	08-Sep
PX11	86	252	20.87	36.1	22.7	0.0	0.00	271.5	13.1	0.0	0.0	650	09-Sep
PX11	86	253	21.10	34.5	19.6	0.0	0.00	260.9	12.0	0.0	0.0	650	10-Sep
PX11	86	254	22.50	36.0	15.2	0.0	0.00	125.0	6.5	0.0	0.0	650	11-Sep
PX11	86	255	17.90	36.7	19.0	0.0	0.00	145.0	9.8	0.0	0.0	650	12-Sep
PX11	86	256	17.80	35.9	20.3	0.0	0.00	157.0	8.6	0.0	0.0	650	13-Sep
PX11	86	257	22.40	37.1	17.5	0.0	0.00	185.0	7.7	0.0	0.0	650	14-Sep
PX11	86	258	20.72	37.1	20.0	0.0	0.00	147.0	9.2	0.0	0.0	650	15-Sep
PX11	86	259	21.20	35.9	16.3	0.0	0.00	136.0	8.1	0.0	0.0	650	16-Sep
PX11	86	260	21.30	34.8	17.3	0.0	0.00	126.0	6.2	0.0	0.0	650	17-Sep
PX11	86	261	20.10	36.0	18.0	0.0	0.00	120.0	5.0	0.0	0.0	650	18-Sep
PX11	86	262	20.80	35.9	18.2	0.0	0.00	112.3	6.1	0.0	0.0	650	19-Sep
PX11	86	263	18.50	35.3	19.3	0.0	0.00	112.3	8.4	0.0	0.0	650	20-Sep
PX11	86	264	7.50	29.2	16.9	0.0	0.00	69.1	8.9	0.0	0.0	650	21-Sep
PX11	86	265	6.60	28.2	20.2	0.0	0.00	112.3	11.9	0.0	0.0	650	22-Sep
PX11	86	266	5.44	25.9	15.9	9.7	0.00	77.8	15.0	0.0	0.0	650	23-Sep
PX11	86	267	18.80	24.2	11.8	0.0	0.00	60.5	9.3	0.0	0.0	650	24-Sep
PX11	86	268	18.60	26.7	13.1	0.5	0.00	65.0	12.1	0.0	0.0	650	25-Sep
PX11	86	269	18.20	30.3	15.0	0.0	0.00	69.1	11.3	0.0	0.0	650	26-Sep
PX11	86	270	21.60	31.6	11.8	0.0	0.00	86.4	9.8	0.0	0.0	650	27-Sep
PX11	86	271	21.30	31.8	14.4	0.0	0.00	95.0	8.1	0.0	0.0	650	28-Sep
PX11	86	272	19.90	30.0	13.7	0.0	0.00	51.8	7.1	0.0	0.0	650	29-Sep
PX11	86	273	20.60	31.3	13.3	0.0	0.00	69.1	7.1	0.0	0.0	650	30-Sep
PX11	86	274	21.20	33.6	14.0	0.0	0.00	250.6	5.1	0.0	0.0	650	01-Oct
PX11	86	275	19.00	28.9	16.7	0.0	0.00	181.4	7.1	0.0	0.0	650	02-Oct
PX11	86	276	17.86	27.7	15.8	0.0	0.00	112.3	7.4	0.0	0.0	650	03-Oct

FILENAME: <u>PX060308.W86</u>   WEATHER DATA FOR CO2=650, IRR=DRY, NIT=+, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC				↓		CO2YR	WINDYR
PX06	33.40	112.00	2.30	0	1	1	0	1	650	0.0

INSTW	IYR JUL	SOLRAD XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMIN STMAX	CO2	A00
PX06	86 87	21.53 38.6	20.3	0.0	0.00	202.2	-0.5	0.0 0.0	350	28-Mar
PX06	86 88	24.11 36.8	18.6	0.0	0.00	127.9	-1.4	0.0 0.0	350	29-Mar
PX06	86 89	23.48 37.4	15.6	0.0	0.00	82.8	1.5	0.0 0.0	350	30-Mar
PX06	86 90	10.93 33.5	18.5	0.0	0.00	121.0	0.6	0.0 0.0	350	31-Mar
PX06	86 91	17.70 31.8	19.6	0.0	0.00	162.0	-2.2	0.0 0.0	350	01-Apr
PX06	86 92	25.03 27.1	14.0	0.0	0.00	358.9	-1.7	0.0 0.0	350	02-Apr
PX06	86 93	26.40 28.8	8.3	0.0	0.00	111.3	0.9	0.0 0.0	350	03-Apr
PX06	86 94	26.54 31.8	10.3	0.0	0.00	141.9	1.1	0.0 0.0	350	04-Apr
PX06	86 95	26.78 35.6	10.5	0.0	0.00	204.3	-0.0	0.0 0.0	350	05-Apr
PX06	86 96	19.96 33.3	12.9	0.0	0.00	202.2	1.5	0.0 0.0	350	06-Apr
PX06	86 97	16.10 30.1	16.6	0.0	0.00	95.6	0.2	0.0 0.0	350	07-Apr
PX06	86 98	26.95 32.9	12.2	0.0	0.00	103.5	-0.9	0.0 0.0	350	08-Apr
PX06	86 99	27.50 33.8	10.9	0.0	0.00	86.0	0.4	0.0 0.0	350	09-Apr
PX06	86 100	17.10 32.1	13.8	0.0	0.00	108.0	0.4	0.0 0.0	350	10-Apr
PX06	86 101	24.30 33.5	13.4	0.0	0.00	121.0	0.9	0.0 0.0	350	11-Apr
PX06	86 102	20.70 34.1	19.2	0.0	0.00	173.0	1.1	0.0 0.0	350	12-Apr
PX06	86 103	27.40 30.8	13.9	0.0	0.00	233.0	0.4	0.0 0.0	350	13-Apr
PX06	86 104	26.70 34.5	10.5	0.0	0.00	122.0	0.6	0.0 0.0	350	14-Apr
PX06	86 105	25.50 36.1	16.6	0.0	0.00	145.0	1.7	0.0 0.0	350	15-Apr
PX06	86 106	24.20 33.3	19.3	0.0	0.00	293.5	1.5	0.0 0.0	350	16-Apr
PX06	86 107	28.50 28.0	14.7	0.0	0.00	271.5	-0.2	0.0 0.0	350	17-Apr
PX06	86 108	28.70 30.2	9.0	0.0	0.00	165.0	0.2	0.0 0.0	350	18-Apr
PX06	86 109	28.80 32.7	9.3	0.0	0.00	97.0	0.4	0.0 0.0	350	19-Apr
PX06	86 110	29.00 35.2	13.0	0.0	0.00	100.0	1.3	0.0 0.0	350	20-Apr
PX06	86 111	28.70 37.8	15.9	0.0	0.00	120.0	2.3	0.0 0.0	350	21-Apr
PX06	86 112	26.30 37.4	16.7	0.0	0.00	175.0	2.1	0.0 0.0	350	22-Apr
PX06	86 113	23.90 35.4	19.6	0.0	0.00	184.0	2.1	0.0 0.0	350	23-Apr
PX06	86 114	24.80 34.6	18.7	0.0	0.00	287.0	3.0	0.0 0.0	350	24-Apr
PX06	86 115	26.30 34.6	19.2	0.0	0.00	305.0	1.7	0.0 0.0	650	25-Apr
PX06	86 116	28.80 32.8	19.3	0.0	0.00	271.8	1.3	0.0 0.0	650	26-Apr
PX06	86 117	29.90 33.5	12.6	0.0	0.00	112.0	0.9	0.0 0.0	650	27-Apr
PX06	86 118	28.10 36.0	14.7	0.0	0.00	120.0	1.7	0.0 0.0	650	28-Apr
PX06	86 119	27.30 36.1	16.0	0.0	0.00	123.0	1.9	0.0 0.0	650	29-Apr
PX06	86 120	26.40 36.4	16.6	0.0	0.00	125.0	1.9	0.0 0.0	650	30-Apr
PX06	86 121	25.40 38.1	19.2	0.0	0.00	190.1	2.5	0.0 0.0	650	01-May
PX06	86 122	28.20 40.2	17.8	0.0	0.00	138.2	3.2	0.0 0.0	650	02-May
PX06	86 123	28.80 38.3	18.8	0.0	0.00	120.0	3.0	0.0 0.0	650	03-May
PX06	86 124	30.10 32.3	17.5	0.0	0.00	190.1	1.5	0.0 0.0	650	04-May
PX06	86 125	29.90 34.1	12.3	0.0	0.00	121.0	1.9	0.0 0.0	650	05-May
PX06	86 126	27.80 31.4	16.1	0.0	0.00	233.3	1.7	0.0 0.0	650	06-May
PX06	86 127	28.90 25.1	13.4	0.0	0.00	293.8	-0.9	0.0 0.0	650	07-May
PX06	86 128	30.20 29.8	9.6	0.0	0.00	146.9	-1.4	0.0 0.0	650	08-May
PX06	86 129	31.80 32.6	11.2	0.0	0.00	164.2	-2.5	0.0 0.0	650	09-May
PX06	86 130	30.30 35.7	13.4	0.0	0.00	146.9	-2.5	0.0 0.0	650	10-May
PX06	86 131	30.70 36.5	15.5	0.0	0.00	155.5	-1.9	0.0 0.0	650	11-May
PX06	86 132	30.70 35.9	14.9	0.0	0.00	86.4	-2.7	0.0 0.0	650	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX06	86	133	30.40	37.4	15.6	0.0	0.00	120.9	-1.2	0.0	0.0	650	13-May
PX06	86	134	29.10	36.1	16.3	0.0	0.00	138.2	-0.0	0.0	0.0	650	14-May
PX06	86	135	25.50	36.9	17.2	0.0	0.00	207.4	-0.9	0.0	0.0	650	15-May
PX06	86	136	31.20	37.2	18.0	0.0	0.00	207.4	-1.2	0.0	0.0	650	16-May
PX06	86	137	30.70	33.9	18.1	0.0	0.00	146.9	-1.2	0.0	0.0	650	17-May
PX06	86	138	30.90	37.7	17.8	0.0	0.00	112.3	-0.0	0.0	0.0	650	18-May
PX06	86	139	30.60	42.0	19.9	0.0	0.00	129.6	0.9	0.0	0.0	650	19-May
PX06	86	140	29.60	42.9	20.9	0.0	0.00	198.7	2.1	0.0	0.0	650	20-May
PX06	86	141	22.63	37.5	21.7	0.0	0.00	190.1	2.1	0.0	0.0	650	21-May
PX06	86	142	29.10	36.9	18.9	0.0	0.00	103.7	2.7	0.0	0.0	650	22-May
PX06	86	143	27.90	37.1	21.6	0.0	0.00	146.9	4.5	0.0	0.0	650	23-May
PX06	86	144	23.10	37.3	21.4	0.0	0.00	95.0	2.3	0.0	0.0	650	24-May
PX06	86	145	29.90	40.7	19.6	0.0	0.00	129.6	3.2	0.0	0.0	650	25-May
PX06	86	146	29.40	41.1	21.0	0.0	0.00	181.4	3.2	0.0	0.0	650	26-May
PX06	86	147	29.80	41.3	21.1	0.0	0.00	129.6	3.9	0.0	0.0	650	27-May
PX06	86	148	28.57	41.9	22.0	0.0	0.00	146.9	6.2	0.0	0.0	650	28-May
PX06	86	149	26.90	40.3	24.2	0.0	0.00	164.2	6.4	0.0	0.0	650	29-May
PX06	86	150	20.00	36.6	24.7	0.0	0.00	172.8	11.2	0.0	0.0	650	30-May
PX06	86	151	25.50	38.4	21.7	0.0	0.00	172.8	13.6	0.0	0.0	650	31-May
PX06	86	152	26.30	40.8	22.3	0.5	0.00	164.2	10.7	0.0	0.0	650	01-Jun
PX06	86	153	25.14	40.0	22.6	0.0	0.00	181.4	12.5	0.0	0.0	650	02-Jun
PX06	86	154	28.73	41.1	23.2	0.0	0.00	164.2	12.8	0.0	0.0	650	03-Jun
PX06	86	155	29.30	40.2	25.5	0.0	0.00	164.2	13.2	0.0	0.0	650	04-Jun
PX06	86	156	29.40	40.5	24.7	0.0	0.00	164.2	11.4	0.0	0.0	650	05-Jun
PX06	86	157	30.60	40.4	19.9	0.0	0.00	103.7	7.0	0.0	0.0	650	06-Jun
PX06	86	158	31.10	41.2	20.9	0.0	0.00	129.6	5.1	0.0	0.0	650	07-Jun
PX06	86	159	31.30	39.4	21.7	0.0	0.00	164.2	2.5	0.0	0.0	650	08-Jun
PX06	86	160	28.70	40.4	21.0	0.0	0.00	181.4	6.1	0.0	0.0	650	09-Jun
PX06	86	161	31.00	41.2	19.4	0.0	0.00	112.3	2.9	0.0	0.0	650	10-Jun
PX06	86	162	30.80	39.7	19.5	0.0	0.00	95.0	6.4	0.0	0.0	650	11-Jun
PX06	86	163	31.00	40.5	20.3	0.0	0.00	120.9	5.3	0.0	0.0	650	12-Jun
PX06	86	164	31.10	41.3	21.1	0.0	0.00	132.0	5.1	0.0	0.0	650	13-Jun
PX06	86	165	31.30	42.1	21.9	0.0	0.00	114.0	8.5	0.0	0.0	650	14-Jun
PX06	86	166	30.14	42.9	24.8	0.0	0.00	129.6	11.0	0.0	0.0	650	15-Jun
PX06	86	167	29.50	42.5	24.7	0.0	0.00	155.5	8.2	0.0	0.0	650	16-Jun
PX06	86	168	29.70	43.5	28.5	0.0	0.00	155.5	11.2	0.0	0.0	650	17-Jun
PX06	86	169	30.60	39.7	23.5	0.0	0.00	172.8	8.1	0.0	0.0	650	18-Jun
PX06	86	170	30.90	40.1	22.7	0.0	0.00	120.0	5.9	0.0	0.0	650	19-Jun
PX06	86	171	31.30	41.4	21.5	0.0	0.00	155.5	5.4	0.0	0.0	650	20-Jun
PX06	86	172	27.70	41.9	21.8	0.0	0.00	121.0	5.3	0.0	0.0	650	21-Jun
PX06	86	173	24.10	39.5	21.8	0.0	0.00	172.8	5.0	0.0	0.0	650	22-Jun
PX06	86	174	29.60	42.6	24.8	0.0	0.00	216.0	7.4	0.0	0.0	650	23-Jun
PX06	86	175	28.90	41.5	27.1	0.0	0.00	337.0	12.5	0.0	0.0	650	24-Jun
PX06	86	176	29.40	37.9	26.3	0.0	0.00	267.8	16.2	0.0	0.0	650	25-Jun
PX06	86	177	29.30	39.8	25.6	0.0	0.00	95.0	15.0	0.0	0.0	650	26-Jun
PX06	86	178	29.70	40.3	27.5	0.0	0.00	138.2	14.1	0.0	0.0	650	27-Jun
PX06	86	179	20.70	39.2	29.1	0.0	0.00	138.2	14.7	0.0	0.0	650	28-Jun
PX06	86	180	13.60	34.7	26.5	0.0	0.00	259.2	15.4	0.0	0.0	650	29-Jun
PX06	86	181	28.30	38.2	23.4	0.0	0.00	138.2	18.1	0.0	0.0	650	30-Jun
PX06	86	182	29.20	39.1	23.7	10.9	0.00	198.7	19.2	0.0	0.0	650	01-Jul
PX06	86	183	28.30	36.1	24.6	14.0	0.00	121.0	21.8	0.0	0.0	650	02-Jul
PX06	86	184	22.90	36.0	24.8	0.0	0.00	130.0	22.5	0.0	0.0	650	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	86	185	22.60	34.0	23.6	1.3	0.00	190.1	20.4	0.0	0.0	650	04-Jul
PX06	86	186	30.90	36.1	23.0	0.0	0.00	181.4	15.0	0.0	0.0	650	05-Jul
PX06	86	187	30.70	37.6	21.8	0.0	0.00	181.4	12.3	0.0	0.0	650	06-Jul
PX06	86	188	18.40	36.8	26.9	0.0	0.00	181.4	14.1	0.0	0.0	650	07-Jul
PX06	86	189	29.80	39.2	25.4	0.0	0.00	155.5	16.5	0.0	0.0	650	08-Jul
PX06	86	190	29.80	36.6	26.7	0.0	0.00	172.8	18.7	0.0	0.0	650	09-Jul
PX06	86	191	29.30	37.1	27.6	0.0	0.00	155.5	18.7	0.0	0.0	650	10-Jul
PX06	86	192	29.60	37.5	27.6	0.0	0.00	146.9	17.9	0.0	0.0	650	11-Jul
PX06	86	193	30.40	38.7	25.7	0.0	0.00	164.2	14.2	0.0	0.0	650	12-Jul
PX06	86	194	26.70	38.0	25.5	0.0	0.00	198.7	17.1	0.0	0.0	650	13-Jul
PX06	86	195	22.12	36.4	27.8	0.0	0.00	207.4	18.9	0.0	0.0	650	14-Jul
PX06	86	196	25.80	36.7	25.9	0.0	0.00	198.7	19.7	0.0	0.0	650	15-Jul
PX06	86	197	23.30	35.3	25.2	0.0	0.00	302.4	19.7	0.0	0.0	650	16-Jul
PX06	86	198	30.70	35.3	23.1	0.0	0.00	181.4	19.5	0.0	0.0	650	17-Jul
PX06	86	199	22.40	36.1	26.3	0.0	0.00	138.2	19.7	0.0	0.0	650	18-Jul
PX06	86	200	28.00	37.6	24.7	0.0	0.00	181.4	19.1	0.0	0.0	650	19-Jul
PX06	86	201	26.40	40.2	22.4	0.0	0.00	164.2	17.3	0.0	0.0	650	20-Jul
PX06	86	202	13.41	28.2	20.4	15.2	0.00	146.9	20.6	0.0	0.0	650	21-Jul
PX06	86	203	28.20	34.2	20.7	0.0	0.00	121.0	18.8	0.0	0.0	650	22-Jul
PX06	86	204	19.40	34.7	21.5	0.0	0.00	172.8	18.9	0.0	0.0	650	23-Jul
PX06	86	205	28.70	36.0	25.1	0.0	0.00	241.9	18.2	0.0	0.0	650	24-Jul
PX06	86	206	26.50	36.4	23.8	0.0	0.00	250.6	14.9	0.0	0.0	650	25-Jul
PX06	86	207	29.70	38.1	21.9	0.0	0.00	112.3	12.0	0.0	0.0	650	26-Jul
PX06	86	208	29.40	39.1	20.3	0.0	0.00	103.7	9.7	0.0	0.0	650	27-Jul
PX06	86	209	25.00	39.7	21.2	0.0	0.00	69.1	11.4	0.0	0.0	650	28-Jul
PX06	86	210	28.30	39.7	24.0	0.0	0.00	198.7	14.6	0.0	0.0	650	29-Jul
PX06	86	211	29.10	39.0	22.1	0.0	0.00	146.9	13.0	0.0	0.0	650	30-Jul
PX06	86	212	28.80	40.7	22.5	0.0	0.00	146.9	13.0	0.0	0.0	650	31-Jul
PX06	86	213	27.70	40.3	24.8	0.0	0.00	164.2	16.0	0.0	0.0	650	01-Aug
PX06	86	214	25.40	40.5	28.5	0.0	0.00	181.4	20.2	0.0	0.0	650	02-Aug
PX06	86	215	20.50	41.9	26.5	0.0	0.00	103.7	19.5	0.0	0.0	650	03-Aug
PX06	86	216	27.70	44.9	27.4	0.0	0.00	138.2	17.3	0.0	0.0	650	04-Aug
PX06	86	217	26.20	41.5	28.2	0.0	0.00	129.6	17.7	0.0	0.0	650	05-Aug
PX06	86	218	22.70	37.3	27.7	0.0	0.00	164.2	18.9	0.0	0.0	650	06-Aug
PX06	86	219	27.30	39.3	27.4	2.8	0.00	198.7	18.4	0.0	0.0	650	07-Aug
PX06	86	220	20.24	36.8	26.4	0.0	0.00	172.8	18.4	0.0	0.0	650	08-Aug
PX06	86	221	27.10	40.2	26.7	1.1	0.00	155.5	18.0	0.0	0.0	650	09-Aug
PX06	86	222	25.00	39.7	26.2	0.0	0.00	155.5	19.1	0.0	0.0	650	10-Aug
PX06	86	223	21.90	41.6	27.3	0.0	0.00	172.8	20.2	0.0	0.0	650	11-Aug
PX06	86	224	24.20	38.8	27.7	0.0	0.00	129.6	20.3	0.0	0.0	650	12-Aug
PX06	86	225	26.60	39.3	26.8	0.0	0.00	112.3	20.7	0.0	0.0	650	13-Aug
PX06	86	226	26.50	39.4	27.5	0.0	0.00	138.2	20.1	0.0	0.0	650	14-Aug
PX06	86	227	27.10	39.2	27.6	0.0	0.00	150.0	17.9	0.0	0.0	650	15-Aug
PX06	86	228	26.60	39.9	27.4	0.0	0.00	146.9	18.7	0.0	0.0	650	16-Aug
PX06	86	229	19.70	38.8	28.6	0.0	0.00	198.7	19.2	0.0	0.0	650	17-Aug
PX06	86	230	14.70	38.8	26.9	0.0	0.00	95.0	19.0	0.0	0.0	650	18-Aug
PX06	86	231	25.30	43.9	26.8	0.0	0.00	95.0	18.0	0.0	0.0	650	19-Aug
PX06	86	232	25.00	41.9	28.2	0.0	0.00	112.3	18.9	0.0	0.0	650	20-Aug
PX06	86	233	21.70	43.2	27.7	0.0	0.00	205.0	18.2	0.0	0.0	650	21-Aug
PX06	86	234	26.90	43.2	27.2	0.0	0.00	131.0	17.1	0.0	0.0	650	22-Aug
PX06	86	235	18.70	40.6	26.6	0.0	0.00	241.9	15.9	0.0	0.0	650	23-Aug
PX06	86	236	17.80	34.9	24.6	0.0	0.00	121.0	19.7	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	86	237	20.90	38.5	22.9	0.5	0.00	200.0	20.0	0.0	0.0	650	25-Aug
PX06	86	238	21.40	35.4	23.2	5.3	0.00	200.0	21.4	0.0	0.0	650	26-Aug
PX06	86	239	19.12	35.3	23.5	23.1	0.00	137.0	22.2	0.0	0.0	650	27-Aug
PX06	86	240	24.20	35.2	23.9	0.8	0.00	178.0	22.2	0.0	0.0	650	28-Aug
PX06	86	241	20.50	35.0	23.8	2.0	0.00	205.0	21.8	0.0	0.0	650	29-Aug
PX06	86	242	24.20	35.1	22.6	0.0	0.00	164.0	21.5	0.0	0.0	650	30-Aug
PX06	86	243	22.80	36.5	25.7	0.0	0.00	164.0	21.2	0.0	0.0	650	31-Aug
PX06	86	244	24.00	36.0	24.4	0.0	0.00	145.0	17.7	0.0	0.0	650	01-Sep
PX06	86	245	24.80	37.5	23.1	0.0	0.00	112.0	15.8	0.0	0.0	650	02-Sep
PX06	86	246	23.70	38.2	22.2	0.0	0.00	112.0	15.9	0.0	0.0	650	03-Sep
PX06	86	247	25.70	39.0	22.4	0.0	0.00	100.0	15.1	0.0	0.0	650	04-Sep
PX06	86	248	25.70	39.8	22.6	0.0	0.00	127.0	12.5	0.0	0.0	650	05-Sep
PX06	86	249	24.20	40.5	22.8	0.0	0.00	130.0	12.0	0.0	0.0	650	06-Sep
PX06	86	250	23.90	41.6	25.7	0.0	0.00	331.4	14.5	0.0	0.0	650	07-Sep
PX06	86	251	14.83	36.9	23.6	0.0	0.00	207.0	18.5	0.0	0.0	650	08-Sep
PX06	86	252	20.87	35.6	22.2	0.0	0.00	271.5	15.1	0.0	0.0	650	09-Sep
PX06	86	253	21.10	32.9	16.8	0.0	0.00	260.9	12.5	0.0	0.0	650	10-Sep
PX06	86	254	22.50	35.8	13.2	0.0	0.00	125.0	8.8	0.0	0.0	650	11-Sep
PX06	86	255	17.90	36.9	18.7	0.0	0.00	145.0	10.1	0.0	0.0	650	12-Sep
PX06	86	256	17.80	36.2	20.1	0.0	0.00	157.0	8.9	0.0	0.0	650	13-Sep
PX06	86	257	22.40	36.5	17.3	0.0	0.00	185.0	7.7	0.0	0.0	650	14-Sep
PX06	86	258	20.72	36.6	19.9	0.0	0.00	147.0	9.2	0.0	0.0	650	15-Sep
PX06	86	259	21.20	35.4	16.2	0.0	0.00	136.0	8.0	0.0	0.0	650	16-Sep
PX06	86	260	21.30	35.2	17.9	0.0	0.00	126.0	7.8	0.0	0.0	650	17-Sep
PX06	86	261	20.10	34.6	17.2	0.0	0.00	120.0	8.0	0.0	0.0	650	18-Sep
PX06	86	262	20.80	35.3	17.7	0.0	0.00	112.3	8.5	0.0	0.0	650	19-Sep
PX06	86	263	18.50	35.2	18.9	0.0	0.00	112.3	10.3	0.0	0.0	650	20-Sep
PX06	86	264	7.50	28.7	16.7	0.0	0.00	69.1	10.4	0.0	0.0	650	21-Sep
PX06	86	265	6.60	28.0	20.2	0.0	0.00	112.3	12.6	0.0	0.0	650	22-Sep
PX06	86	266	5.44	25.8	16.0	9.7	0.00	77.8	15.7	0.0	0.0	650	23-Sep
PX06	86	267	18.80	23.9	11.5	0.0	0.00	60.5	10.4	0.0	0.0	650	24-Sep
PX06	86	268	18.60	25.8	13.3	0.5	0.00	65.0	11.0	0.0	0.0	650	25-Sep
PX06	86	269	18.20	28.5	16.2	0.0	0.00	69.1	11.5	0.0	0.0	650	26-Sep
PX06	86	270	21.60	30.9	13.0	0.0	0.00	86.4	11.0	0.0	0.0	650	27-Sep
PX06	86	271	21.30	30.9	14.3	0.0	0.00	95.0	9.8	0.0	0.0	650	28-Sep
PX06	86	272	19.90	29.1	13.6	0.0	0.00	51.8	9.0	0.0	0.0	650	29-Sep
PX06	86	273	20.60	30.7	13.1	0.0	0.00	69.1	8.8	0.0	0.0	650	30-Sep
PX06	86	274	21.20	32.9	13.9	0.0	0.00	250.6	7.3	0.0	0.0	650	01-Oct
PX06	86	275	19.00	28.9	17.2	0.0	0.00	181.4	8.8	0.0	0.0	650	02-Oct
PX06	86	276	17.86	27.4	15.9	0.0	0.00	112.3	8.9	0.0	0.0	650	03-Oct

FILENAME: PX120308.W86   WEATHER DATA FOR CO2=650, IRR=DRY, NIT=+, REP=#2

                              options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG PARFAC   ↓   CO2YR WINDYR
PX12 33.40 112.00 2.30 0 1 1 0 1   650   0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX12	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX12	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX12	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX12	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX12	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX12	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX12	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX12	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX12	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX12	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX12	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX12	86 99	27.50	33.4	11.2	0.0	0.00	86.0	-0.9	0.0	0.0	350	09-Apr
PX12	86 100	17.10	31.5	14.1	0.0	0.00	108.0	-0.9	0.0	0.0	350	10-Apr
PX12	86 101	24.30	33.1	13.7	0.0	0.00	121.0	-0.5	0.0	0.0	350	11-Apr
PX12	86 102	20.70	33.7	19.2	0.0	0.00	173.0	-0.2	0.0	0.0	350	12-Apr
PX12	86 103	27.40	30.0	14.2	0.0	0.00	233.0	-0.9	0.0	0.0	350	13-Apr
PX12	86 104	26.70	34.2	10.8	0.0	0.00	122.0	-0.5	0.0	0.0	350	14-Apr
PX12	86 105	25.50	35.9	16.7	0.0	0.00	145.0	0.4	0.0	0.0	350	15-Apr
PX12	86 106	24.20	32.8	19.3	0.0	0.00	293.5	-0.0	0.0	0.0	350	16-Apr
PX12	86 107	28.50	26.9	14.9	0.0	0.00	271.5	-1.4	0.0	0.0	350	17-Apr
PX12	86 108	28.70	29.4	9.4	0.0	0.00	165.0	-1.2	0.0	0.0	350	18-Apr
PX12	86 109	28.80	32.1	9.7	0.0	0.00	97.0	-0.9	0.0	0.0	350	19-Apr
PX12	86 110	29.00	35.0	13.3	0.0	0.00	100.0	-0.0	0.0	0.0	350	20-Apr
PX12	86 111	28.70	37.9	16.1	0.0	0.00	120.0	0.9	0.0	0.0	350	21-Apr
PX12	86 112	26.30	37.5	16.8	0.0	0.00	175.0	0.6	0.0	0.0	350	22-Apr
PX12	86 113	23.90	35.2	19.7	0.0	0.00	184.0	0.6	0.0	0.0	350	23-Apr
PX12	86 114	24.80	34.3	18.7	0.0	0.00	287.0	0.4	0.0	0.0	350	24-Apr
PX12	86 115	26.30	34.3	19.2	0.0	0.00	305.0	0.2	0.0	0.0	650	25-Apr
PX12	86 116	28.80	32.2	19.3	0.0	0.00	271.8	-0.2	0.0	0.0	650	26-Apr
PX12	86 117	29.90	33.1	12.9	0.0	0.00	112.0	-0.5	0.0	0.0	650	27-Apr
PX12	86 118	28.10	35.8	14.9	0.0	0.00	120.0	0.2	0.0	0.0	650	28-Apr
PX12	86 119	27.30	35.9	16.2	0.0	0.00	123.0	0.4	0.0	0.0	650	29-Apr
PX12	86 120	26.40	36.3	16.7	0.0	0.00	125.0	0.4	0.0	0.0	650	30-Apr
PX12	86 121	25.40	38.2	19.2	0.0	0.00	190.1	0.9	0.0	0.0	650	01-May
PX12	86 122	28.20	40.6	17.9	0.0	0.00	138.2	1.7	0.0	0.0	650	02-May
PX12	86 123	28.80	38.5	18.8	0.0	0.00	120.0	1.5	0.0	0.0	650	03-May
PX12	86 124	30.10	31.8	17.6	0.0	0.00	190.1	-0.0	0.0	0.0	650	04-May
PX12	86 125	29.90	33.5	13.4	0.0	0.00	121.0	-0.0	0.0	0.0	650	05-May
PX12	86 126	27.80	31.4	15.8	0.0	0.00	233.3	3.4	0.0	0.0	650	06-May
PX12	86 127	28.90	24.0	13.0	0.0	0.00	293.8	-0.7	0.0	0.0	650	07-May
PX12	86 128	30.20	28.6	9.8	0.0	0.00	146.9	-1.7	0.0	0.0	650	08-May
PX12	86 129	31.80	31.1	11.8	0.0	0.00	164.2	-0.0	0.0	0.0	650	09-May
PX12	86 130	30.30	34.7	13.2	0.0	0.00	146.9	-3.0	0.0	0.0	650	10-May
PX12	86 131	30.70	35.9	15.3	0.0	0.00	155.5	-2.5	0.0	0.0	650	11-May
PX12	86 132	30.70	35.3	14.4	0.0	0.00	86.4	-3.3	0.0	0.0	650	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	86	133	30.40	37.1	15.4	0.0	0.00	120.9	-2.2	0.0	0.0	650	13-May
PX12	86	134	29.10	35.7	16.3	0.0	0.00	138.2	-1.2	0.0	0.0	650	14-May
PX12	86	135	25.50	36.4	17.3	0.0	0.00	207.4	-0.9	0.0	0.0	650	15-May
PX12	86	136	31.20	35.2	17.5	0.0	0.00	207.4	-1.2	0.0	0.0	650	16-May
PX12	86	137	30.70	33.9	17.9	0.0	0.00	146.9	-1.7	0.0	0.0	650	17-May
PX12	86	138	30.90	37.2	17.6	0.0	0.00	112.3	-1.2	0.0	0.0	650	18-May
PX12	86	139	30.60	41.4	19.6	0.0	0.00	129.6	1.1	0.0	0.0	650	19-May
PX12	86	140	29.60	42.4	20.6	0.0	0.00	198.7	2.9	0.0	0.0	650	20-May
PX12	86	141	22.63	37.8	21.4	0.0	0.00	190.1	3.4	0.0	0.0	650	21-May
PX12	86	142	29.10	36.9	18.9	0.0	0.00	103.7	4.5	0.0	0.0	650	22-May
PX12	86	143	27.90	37.1	21.3	0.0	0.00	146.9	4.5	0.0	0.0	650	23-May
PX12	86	144	23.10	37.7	21.1	0.0	0.00	95.0	1.9	0.0	0.0	650	24-May
PX12	86	145	29.90	40.5	19.3	0.0	0.00	129.6	3.0	0.0	0.0	650	25-May
PX12	86	146	29.40	40.5	20.7	0.0	0.00	181.4	5.4	0.0	0.0	650	26-May
PX12	86	147	29.80	40.4	20.7	0.0	0.00	129.6	7.0	0.0	0.0	650	27-May
PX12	86	148	28.57	41.0	21.5	0.0	0.00	146.9	9.3	0.0	0.0	650	28-May
PX12	86	149	26.90	39.0	23.9	0.0	0.00	164.2	11.6	0.0	0.0	650	29-May
PX12	86	150	20.00	35.9	24.8	0.0	0.00	172.8	12.9	0.0	0.0	650	30-May
PX12	86	151	25.50	37.7	21.4	0.0	0.00	172.8	15.0	0.0	0.0	650	31-May
PX12	86	152	26.30	39.6	22.0	0.5	0.00	164.2	12.9	0.0	0.0	650	01-Jun
PX12	86	153	25.14	38.8	22.3	0.0	0.00	181.4	13.4	0.0	0.0	650	02-Jun
PX12	86	154	28.73	39.8	23.0	0.0	0.00	164.2	13.6	0.0	0.0	650	03-Jun
PX12	86	155	29.30	39.4	25.4	0.0	0.00	164.2	13.8	0.0	0.0	650	04-Jun
PX12	86	156	29.40	39.6	24.5	0.0	0.00	164.2	12.0	0.0	0.0	650	05-Jun
PX12	86	157	30.60	38.9	19.6	0.0	0.00	103.7	7.7	0.0	0.0	650	06-Jun
PX12	86	158	31.10	39.9	20.6	0.0	0.00	129.6	6.2	0.0	0.0	650	07-Jun
PX12	86	159	31.30	38.0	21.5	0.0	0.00	164.2	3.9	0.0	0.0	650	08-Jun
PX12	86	160	28.70	38.6	20.5	0.0	0.00	181.4	4.6	0.0	0.0	650	09-Jun
PX12	86	161	31.00	39.9	19.0	0.0	0.00	112.3	2.3	0.0	0.0	650	10-Jun
PX12	86	162	30.80	39.1	19.6	0.0	0.00	95.0	5.6	0.0	0.0	650	11-Jun
PX12	86	163	31.00	39.8	20.3	0.0	0.00	120.9	6.5	0.0	0.0	650	12-Jun
PX12	86	164	31.10	40.5	21.0	0.0	0.00	132.0	7.4	0.0	0.0	650	13-Jun
PX12	86	165	31.30	41.2	21.7	0.0	0.00	114.0	8.2	0.0	0.0	650	14-Jun
PX12	86	166	30.14	42.0	24.4	0.0	0.00	129.6	10.9	0.0	0.0	650	15-Jun
PX12	86	167	29.50	41.3	24.4	0.0	0.00	155.5	9.0	0.0	0.0	650	16-Jun
PX12	86	168	29.70	42.1	28.3	0.0	0.00	155.5	11.9	0.0	0.0	650	17-Jun
PX12	86	169	30.60	38.7	23.3	0.0	0.00	172.8	7.7	0.0	0.0	650	18-Jun
PX12	86	170	30.90	39.0	22.4	0.0	0.00	120.0	5.6	0.0	0.0	650	19-Jun
PX12	86	171	31.30	40.6	21.2	0.0	0.00	155.5	5.1	0.0	0.0	650	20-Jun
PX12	86	172	27.70	40.7	21.6	0.0	0.00	121.0	5.1	0.0	0.0	650	21-Jun
PX12	86	173	24.10	38.8	21.2	0.0	0.00	172.8	4.8	0.0	0.0	650	22-Jun
PX12	86	174	29.60	41.7	24.4	0.0	0.00	216.0	10.1	0.0	0.0	650	23-Jun
PX12	86	175	28.90	40.8	27.1	0.0	0.00	337.0	12.6	0.0	0.0	650	24-Jun
PX12	86	176	29.40	37.6	25.8	0.0	0.00	267.8	16.8	0.0	0.0	650	25-Jun
PX12	86	177	29.30	39.2	25.5	0.0	0.00	95.0	17.0	0.0	0.0	650	26-Jun
PX12	86	178	29.70	39.7	27.5	0.0	0.00	138.2	17.1	0.0	0.0	650	27-Jun
PX12	86	179	20.70	38.6	28.7	0.0	0.00	138.2	17.4	0.0	0.0	650	28-Jun
PX12	86	180	13.60	34.2	27.1	0.0	0.00	259.2	17.6	0.0	0.0	650	29-Jun
PX12	86	181	28.30	37.3	24.2	0.0	0.00	138.2	17.5	0.0	0.0	650	30-Jun
PX12	86	182	29.20	38.3	22.4	10.9	0.00	198.7	19.1	0.0	0.0	650	01-Jul
PX12	86	183	28.30	36.5	24.5	14.0	0.00	121.0	22.0	0.0	0.0	650	02-Jul
PX12	86	184	22.90	36.2	24.7	0.0	0.00	130.0	22.3	0.0	0.0	650	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	86	185	22.60	34.0	23.5	1.3	0.00	190.1	20.6	0.0	0.0	650	04-Jul
PX12	86	186	30.90	35.8	23.0	0.0	0.00	181.4	13.1	0.0	0.0	650	05-Jul
PX12	86	187	30.70	37.4	21.4	0.0	0.00	181.4	13.8	0.0	0.0	650	06-Jul
PX12	86	188	18.40	37.0	26.7	0.0	0.00	181.4	15.3	0.0	0.0	650	07-Jul
PX12	86	189	29.80	38.4	25.1	0.0	0.00	155.5	17.7	0.0	0.0	650	08-Jul
PX12	86	190	29.80	36.5	26.6	0.0	0.00	172.8	17.7	0.0	0.0	650	09-Jul
PX12	86	191	29.30	36.6	27.6	0.0	0.00	155.5	17.7	0.0	0.0	650	10-Jul
PX12	86	192	29.60	37.1	27.0	0.0	0.00	146.9	17.0	0.0	0.0	650	11-Jul
PX12	86	193	30.40	37.8	25.7	0.0	0.00	164.2	12.1	0.0	0.0	650	12-Jul
PX12	86	194	26.70	37.5	25.4	0.0	0.00	198.7	15.8	0.0	0.0	650	13-Jul
PX12	86	195	22.12	35.6	27.6	0.0	0.00	207.4	18.1	0.0	0.0	650	14-Jul
PX12	86	196	25.80	36.7	25.7	0.0	0.00	198.7	18.7	0.0	0.0	650	15-Jul
PX12	86	197	23.30	35.2	25.2	0.0	0.00	302.4	18.7	0.0	0.0	650	16-Jul
PX12	86	198	30.70	35.4	23.1	0.0	0.00	181.4	19.8	0.0	0.0	650	17-Jul
PX12	86	199	22.40	36.1	26.3	0.0	0.00	138.2	18.7	0.0	0.0	650	18-Jul
PX12	86	200	28.00	40.0	25.9	0.0	0.00	181.4	18.0	0.0	0.0	650	19-Jul
PX12	86	201	26.40	41.2	22.2	0.0	0.00	164.2	16.0	0.0	0.0	650	20-Jul
PX12	86	202	13.40	28.0	20.6	15.2	0.00	146.9	20.2	0.0	0.0	650	21-Jul
PX12	86	203	28.20	33.5	20.9	0.0	0.00	121.0	19.9	0.0	0.0	650	22-Jul
PX12	86	204	19.40	35.0	22.9	0.0	0.00	172.8	17.4	0.0	0.0	650	23-Jul
PX12	86	205	28.70	36.7	25.1	0.0	0.00	241.9	17.8	0.0	0.0	650	24-Jul
PX12	86	206	26.50	37.2	24.0	0.0	0.00	250.6	14.5	0.0	0.0	650	25-Jul
PX12	86	207	29.70	36.6	21.7	0.0	0.00	112.3	13.6	0.0	0.0	650	26-Jul
PX12	86	208	29.40	38.3	20.0	0.0	0.00	103.7	11.1	0.0	0.0	650	27-Jul
PX12	86	209	25.00	38.6	20.9	0.0	0.00	69.1	11.4	0.0	0.0	650	28-Jul
PX12	86	210	28.30	40.2	23.5	0.0	0.00	198.7	15.6	0.0	0.0	650	29-Jul
PX12	86	211	29.10	39.8	21.7	0.0	0.00	146.9	13.3	0.0	0.0	650	30-Jul
PX12	86	212	28.80	41.0	22.3	0.0	0.00	146.9	12.2	0.0	0.0	650	31-Jul
PX12	86	213	27.70	39.9	24.2	0.0	0.00	164.2	14.7	0.0	0.0	650	01-Aug
PX12	86	214	25.40	40.2	28.0	0.0	0.00	181.4	18.5	0.0	0.0	650	02-Aug
PX12	86	215	20.50	41.0	26.0	0.0	0.00	103.7	16.9	0.0	0.0	650	03-Aug
PX12	86	216	27.70	43.5	27.1	0.0	0.00	138.2	16.2	0.0	0.0	650	04-Aug
PX12	86	217	26.20	40.5	27.7	0.0	0.00	129.6	16.0	0.0	0.0	650	05-Aug
PX12	86	218	22.70	37.3	27.6	0.0	0.00	164.2	19.5	0.0	0.0	650	06-Aug
PX12	86	219	27.30	39.5	27.1	2.8	0.00	198.7	20.2	0.0	0.0	650	07-Aug
PX12	86	220	20.24	37.0	26.4	0.0	0.00	172.8	20.7	0.0	0.0	650	08-Aug
PX12	86	221	27.10	39.3	26.7	1.1	0.00	155.5	21.5	0.0	0.0	650	09-Aug
PX12	86	222	25.00	38.7	26.1	0.0	0.00	155.5	19.2	0.0	0.0	650	10-Aug
PX12	86	223	21.90	39.6	27.2	0.0	0.00	172.8	19.9	0.0	0.0	650	11-Aug
PX12	86	224	24.20	39.0	27.5	0.0	0.00	129.6	19.9	0.0	0.0	650	12-Aug
PX12	86	225	26.60	40.1	26.6	0.0	0.00	112.3	20.2	0.0	0.0	650	13-Aug
PX12	86	226	26.50	39.6	27.5	0.0	0.00	138.2	19.7	0.0	0.0	650	14-Aug
PX12	86	227	27.10	40.0	27.3	0.0	0.00	150.0	17.7	0.0	0.0	650	15-Aug
PX12	86	228	26.60	40.3	27.0	0.0	0.00	146.9	18.4	0.0	0.0	650	16-Aug
PX12	86	229	19.70	38.7	28.5	0.0	0.00	198.7	18.7	0.0	0.0	650	17-Aug
PX12	86	230	14.70	38.6	26.8	0.0	0.00	95.0	18.4	0.0	0.0	650	18-Aug
PX12	86	231	25.30	43.7	26.6	0.0	0.00	95.0	18.9	0.0	0.0	650	19-Aug
PX12	86	232	25.00	41.8	28.1	0.0	0.00	112.3	18.5	0.0	0.0	650	20-Aug
PX12	86	233	21.70	41.2	27.4	0.0	0.00	205.0	17.7	0.0	0.0	650	21-Aug
PX12	86	234	26.90	40.5	26.6	0.0	0.00	131.0	16.8	0.0	0.0	650	22-Aug
PX12	86	235	18.70	39.8	25.9	0.0	0.00	241.9	15.8	0.0	0.0	650	23-Aug
PX12	86	236	17.80	34.4	24.3	0.0	0.00	121.0	21.4	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	86	237	20.90	37.6	23.1	0.5	0.00	200.0	21.0	0.0	0.0	650	25-Aug
PX12	86	238	21.40	35.0	23.3	5.3	0.00	200.0	20.6	0.0	0.0	650	26-Aug
PX12	86	239	19.12	34.8	24.0	23.1	0.00	137.0	21.5	0.0	0.0	650	27-Aug
PX12	86	240	24.20	35.5	24.0	0.8	0.00	178.0	21.1	0.0	0.0	650	28-Aug
PX12	86	241	20.50	34.8	23.8	2.0	0.00	205.0	20.4	0.0	0.0	650	29-Aug
PX12	86	242	24.20	34.6	22.6	0.0	0.00	164.0	19.9	0.0	0.0	650	30-Aug
PX12	86	243	22.80	35.3	25.6	0.0	0.00	164.0	20.5	0.0	0.0	650	31-Aug
PX12	86	244	24.00	35.7	24.4	0.0	0.00	145.0	18.9	0.0	0.0	650	01-Sep
PX12	86	245	24.80	36.8	22.9	0.0	0.00	112.0	15.7	0.0	0.0	650	02-Sep
PX12	86	246	23.70	37.7	21.8	0.0	0.00	112.0	16.1	0.0	0.0	650	03-Sep
PX12	86	247	25.70	38.4	22.2	0.0	0.00	100.0	14.9	0.0	0.0	650	04-Sep
PX12	86	248	25.70	39.1	22.6	0.0	0.00	127.0	13.4	0.0	0.0	650	05-Sep
PX12	86	249	24.20	39.9	22.9	0.0	0.00	130.0	12.0	0.0	0.0	650	06-Sep
PX12	86	250	23.90	40.2	25.9	0.0	0.00	331.4	11.5	0.0	0.0	650	07-Sep
PX12	86	251	14.83	36.2	24.9	0.0	0.00	207.0	19.6	0.0	0.0	650	08-Sep
PX12	86	252	20.87	34.8	21.8	0.0	0.00	271.5	15.4	0.0	0.0	650	09-Sep
PX12	86	253	21.10	33.6	18.6	0.0	0.00	260.9	12.8	0.0	0.0	650	10-Sep
PX12	86	254	22.50	34.8	14.3	0.0	0.00	125.0	7.8	0.0	0.0	650	11-Sep
PX12	86	255	17.90	35.7	18.4	0.0	0.00	145.0	11.0	0.0	0.0	650	12-Sep
PX12	86	256	17.80	34.6	19.6	0.0	0.00	157.0	10.0	0.0	0.0	650	13-Sep
PX12	86	257	22.40	36.0	17.1	0.0	0.00	185.0	9.3	0.0	0.0	650	14-Sep
PX12	86	258	20.72	36.3	19.7	0.0	0.00	147.0	10.7	0.0	0.0	650	15-Sep
PX12	86	259	21.20	34.9	15.4	0.0	0.00	136.0	9.7	0.0	0.0	650	16-Sep
PX12	86	260	21.30	34.4	17.2	0.0	0.00	126.0	6.8	0.0	0.0	650	17-Sep
PX12	86	261	20.10	35.9	17.8	0.0	0.00	120.0	5.3	0.0	0.0	650	18-Sep
PX12	86	262	20.80	35.7	17.8	0.0	0.00	112.3	6.2	0.0	0.0	650	19-Sep
PX12	86	263	18.50	34.4	18.8	0.0	0.00	112.3	8.5	0.0	0.0	650	20-Sep
PX12	86	264	7.50	28.4	16.1	0.0	0.00	69.1	8.9	0.0	0.0	650	21-Sep
PX12	86	265	6.60	28.0	20.2	0.0	0.00	112.3	12.6	0.0	0.0	650	22-Sep
PX12	86	266	5.44	25.7	16.6	9.7	0.00	77.8	15.0	0.0	0.0	650	23-Sep
PX12	86	267	18.80	24.9	11.7	0.0	0.00	60.5	9.4	0.0	0.0	650	24-Sep
PX12	86	268	18.60	26.9	13.4	0.5	0.00	65.0	9.9	0.0	0.0	650	25-Sep
PX12	86	269	18.20	29.4	16.1	0.0	0.00	69.1	10.5	0.0	0.0	650	26-Sep
PX12	86	270	21.60	32.1	12.3	0.0	0.00	86.4	9.8	0.0	0.0	650	27-Sep
PX12	86	271	21.30	31.5	13.8	0.0	0.00	95.0	8.1	0.0	0.0	650	28-Sep
PX12	86	272	19.90	30.2	13.2	0.0	0.00	51.8	7.5	0.0	0.0	650	29-Sep
PX12	86	273	20.60	31.2	12.7	0.0	0.00	69.1	7.3	0.0	0.0	650	30-Sep
PX12	86	274	21.20	34.4	13.5	0.0	0.00	250.6	5.0	0.0	0.0	650	01-Oct
PX12	86	275	19.00	28.9	16.7	0.0	0.00	181.4	7.4	0.0	0.0	650	02-Oct
PX12	86	276	17.86	28.1	14.9	0.0	0.00	112.3	8.0	0.0	0.0	650	03-Oct

FILENAME: PX040308.W86   WEATHER DATA FOR CO2=650, IRR=WET, NIT=-, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX04	33.40	112.00	2.30	0	1	1	0	1	650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	86	87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX04	86	88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX04	86	89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX04	86	90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX04	86	91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX04	86	92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX04	86	93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX04	86	94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX04	86	95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX04	86	96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX04	86	97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX04	86	98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX04	86	99	27.50	33.9	10.5	0.0	0.00	86.0	0.2	0.0	0.0	350	09-Apr
PX04	86	100	17.10	32.1	13.5	0.0	0.00	108.0	0.2	0.0	0.0	350	10-Apr
PX04	86	101	24.30	33.6	13.1	0.0	0.00	121.0	1.1	0.0	0.0	350	11-Apr
PX04	86	102	20.70	34.1	19.1	0.0	0.00	173.0	1.3	0.0	0.0	350	12-Apr
PX04	86	103	27.40	30.8	13.6	0.0	0.00	233.0	0.2	0.0	0.0	350	13-Apr
PX04	86	104	26.70	34.1	10.0	0.0	0.00	122.0	0.6	0.0	0.0	350	14-Apr
PX04	86	105	25.50	36.2	16.4	0.0	0.00	145.0	2.3	0.0	0.0	350	15-Apr
PX04	86	106	24.20	33.3	19.2	0.0	0.00	293.5	1.7	0.0	0.0	350	16-Apr
PX04	86	107	28.50	27.9	14.4	0.0	0.00	271.5	-0.9	0.0	0.0	350	17-Apr
PX04	86	108	28.70	30.2	8.5	0.0	0.00	165.0	-0.2	0.0	0.0	350	18-Apr
PX04	86	109	28.80	32.7	8.8	0.0	0.00	97.0	0.2	0.0	0.0	350	19-Apr
PX04	86	110	29.00	35.3	12.7	0.0	0.00	100.0	1.5	0.0	0.0	350	20-Apr
PX04	86	111	28.70	37.9	15.7	0.0	0.00	120.0	3.0	0.0	0.0	350	21-Apr
PX04	86	112	26.30	37.6	16.5	0.0	0.00	175.0	2.9	0.0	0.0	350	22-Apr
PX04	86	113	23.90	35.5	19.6	0.0	0.00	184.0	2.9	0.0	0.0	350	23-Apr
PX04	86	114	24.80	34.7	18.5	0.0	0.00	287.0	2.5	0.0	0.0	350	24-Apr
PX04	86	115	26.30	34.7	19.1	0.0	0.00	305.0	2.3	0.0	0.0	650	25-Apr
PX04	86	116	28.80	32.8	19.2	0.0	0.00	271.8	1.5	0.0	0.0	650	26-Apr
PX04	86	117	29.90	33.6	12.3	0.0	0.00	112.0	0.9	0.0	0.0	650	27-Apr
PX04	86	118	28.10	36.1	14.4	0.0	0.00	120.0	2.1	0.0	0.0	650	28-Apr
PX04	86	119	27.30	36.2	15.8	0.0	0.00	123.0	2.5	0.0	0.0	650	29-Apr
PX04	86	120	26.40	38.9	17.1	0.0	0.00	125.0	2.7	0.0	0.0	650	30-Apr
PX04	86	121	25.40	37.1	19.3	0.0	0.00	190.1	5.0	0.0	0.0	650	01-May
PX04	86	122	28.20	42.7	16.7	0.0	0.00	138.2	5.3	0.0	0.0	650	02-May
PX04	86	123	28.80	38.0	18.2	0.0	0.00	121.0	4.8	0.0	0.0	650	03-May
PX04	86	124	30.14	34.0	16.0	0.0	0.00	190.0	2.5	0.0	0.0	650	04-May
PX04	86	125	29.90	34.8	12.7	0.0	0.00	121.0	0.4	0.0	0.0	650	05-May
PX04	86	126	27.80	31.6	15.7	0.0	0.00	233.3	3.0	0.0	0.0	650	06-May
PX04	86	127	28.90	24.3	13.4	0.0	0.00	293.8	0.4	0.0	0.0	650	07-May
PX04	86	128	30.20	29.1	9.1	0.0	0.00	146.9	-0.2	0.0	0.0	650	08-May
PX04	86	129	31.80	32.1	10.5	0.0	0.00	164.2	-2.5	0.0	0.0	650	09-May
PX04	86	130	30.27	35.6	12.6	0.0	0.00	146.9	-2.7	0.0	0.0	650	10-May
PX04	86	131	30.70	36.7	14.9	0.0	0.00	155.5	-2.2	0.0	0.0	650	11-May
PX04	86	132	30.70	35.9	13.8	0.0	0.00	86.4	-3.3	0.0	0.0	650	12-May

	IYR	SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00
INSTW	JUL		XTMAX		XRAIN		WIND		STMAX		CO2	
PX04	86 133	30.40	37.9	14.9	0.0	0.00	120.9	-1.7	0.0	0.0	650	13-May
PX04	86 134	29.10	35.8	15.7	0.0	0.00	138.2	-0.5	0.0	0.0	650	14-May
PX04	86 135	25.50	37.5	17.1	0.0	0.00	207.4	-0.0	0.0	0.0	650	15-May
PX04	86 136	31.20	36.8	18.5	0.0	0.00	207.4	2.9	0.0	0.0	650	16-May
PX04	86 137	30.70	34.2	18.0	0.0	0.00	146.9	-0.9	0.0	0.0	650	17-May
PX04	86 138	30.90	37.3	17.4	0.0	0.00	112.3	0.6	0.0	0.0	650	18-May
PX04	86 139	30.60	41.5	19.2	0.0	0.00	129.6	2.7	0.0	0.0	650	19-May
PX04	86 140	29.60	40.8	20.6	0.0	0.00	198.7	4.5	0.0	0.0	650	20-May
PX04	86 141	22.63	37.6	21.6	0.0	0.00	190.1	5.6	0.0	0.0	650	21-May
PX04	86 142	29.10	36.4	18.5	0.0	0.00	103.7	6.4	0.0	0.0	650	22-May
PX04	86 143	27.90	36.4	21.2	0.0	0.00	146.9	3.4	0.0	0.0	650	23-May
PX04	86 144	23.10	36.8	21.2	0.0	0.00	95.0	5.6	0.0	0.0	650	24-May
PX04	86 145	29.90	39.8	19.7	0.0	0.00	129.6	5.0	0.0	0.0	650	25-May
PX04	86 146	29.40	39.7	20.5	0.0	0.00	181.4	5.3	0.0	0.0	650	26-May
PX04	86 147	29.80	39.9	20.6	0.0	0.00	129.6	5.1	0.0	0.0	650	27-May
PX04	86 148	28.57	40.6	21.3	0.0	0.00	146.9	8.9	0.0	0.0	650	28-May
PX04	86 149	26.90	38.6	23.9	0.0	0.00	164.2	10.6	0.0	0.0	650	29-May
PX04	86 150	20.00	35.6	24.4	0.0	0.00	172.8	12.3	0.0	0.0	650	30-May
PX04	86 151	25.50	37.4	21.3	0.0	0.00	172.8	14.4	0.0	0.0	650	31-May
PX04	86 152	26.30	39.6	22.1	0.5	0.00	164.2	12.1	0.5	0.0	650	01-Jun
PX04	86 153	25.14	38.8	21.8	0.0	0.00	181.4	13.8	0.0	0.0	650	02-Jun
PX04	86 154	28.73	39.9	22.8	0.0	0.00	164.2	13.8	0.0	0.0	650	03-Jun
PX04	86 155	29.30	39.3	25.3	0.0	0.00	164.2	14.1	0.0	0.0	650	04-Jun
PX04	86 156	29.40	39.7	24.5	0.0	0.00	164.2	12.5	0.0	0.0	650	05-Jun
PX04	86 157	30.60	39.1	19.6	0.0	0.00	103.7	8.5	0.0	0.0	650	06-Jun
PX04	86 158	31.10	39.9	20.0	0.0	0.00	129.6	7.1	0.0	0.0	650	07-Jun
PX04	86 159	31.30	38.0	21.3	0.0	0.00	164.2	5.0	0.0	0.0	650	08-Jun
PX04	86 160	28.70	39.1	20.0	0.0	0.00	181.4	5.6	0.0	0.0	650	09-Jun
PX04	86 161	31.00	39.9	18.1	0.0	0.00	112.3	3.9	0.0	0.0	650	10-Jun
PX04	86 162	30.80	39.4	19.2	0.0	0.00	95.0	6.5	0.0	0.0	650	11-Jun
PX04	86 163	31.00	44.1	20.1	0.0	0.00	120.9	7.4	0.0	0.0	650	12-Jun
PX04	86 164	31.10	42.7	24.2	0.0	0.00	132.0	7.1	0.0	0.0	650	13-Jun
PX04	86 165	31.30	40.7	21.1	0.0	0.00	114.0	9.4	0.0	0.0	650	14-Jun
PX04	86 166	30.14	41.1	23.6	0.0	0.00	129.6	11.5	0.0	0.0	650	15-Jun
PX04	86 167	29.50	40.9	23.8	0.0	0.00	155.5	8.8	0.0	0.0	650	16-Jun
PX04	86 168	29.70	42.3	28.3	0.0	0.00	155.5	11.1	0.0	0.0	650	17-Jun
PX04	86 169	30.60	38.7	22.6	0.0	0.00	172.8	7.8	0.0	0.0	650	18-Jun
PX04	86 170	30.90	39.1	21.9	0.0	0.00	120.0	6.1	0.0	0.0	650	19-Jun
PX04	86 171	31.30	40.3	20.6	0.0	0.00	155.5	6.1	0.0	0.0	650	20-Jun
PX04	86 172	27.70	40.4	20.6	0.0	0.00	121.0	6.1	0.0	0.0	650	21-Jun
PX04	86 173	24.10	37.5	20.6	0.0	0.00	172.8	6.4	0.0	0.0	650	22-Jun
PX04	86 174	29.60	40.4	24.0	0.0	0.00	216.0	8.0	0.0	0.0	650	23-Jun
PX04	86 175	28.90	40.1	26.7	0.0	0.00	337.0	12.5	0.0	0.0	650	24-Jun
PX04	86 176	29.40	37.7	26.2	0.0	0.00	267.8	16.0	0.0	0.0	650	25-Jun
PX04	86 177	29.30	39.3	25.0	0.0	0.00	95.0	14.8	0.0	0.0	650	26-Jun
PX04	86 178	29.70	39.6	26.9	0.0	0.00	138.2	14.0	0.0	0.0	650	27-Jun
PX04	86 179	20.70	38.3	28.9	0.0	0.00	138.2	14.8	0.0	0.0	650	28-Jun
PX04	86 180	13.60	33.8	26.8	0.0	0.00	259.2	15.3	0.0	0.0	650	29-Jun
PX04	86 181	28.30	37.4	24.1	0.0	0.00	138.2	17.0	0.0	0.0	650	30-Jun
PX04	86 182	29.20	38.4	23.4	10.9	0.00	198.7	19.2	0.0	0.0	650	01-Jul
PX04	86 183	28.30	35.3	24.3	14.0	0.00	121.0	22.3	0.0	0.0	650	02-Jul
PX04	86 184	22.90	35.2	23.5	0.0	0.00	130.0	22.5	0.0	0.0	650	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	86	185	22.60	34.2	23.5	1.3	0.00	190.1	20.7	0.0	0.0	650	04-Jul
PX04	86	186	30.90	35.5	22.5	0.0	0.00	181.4	15.1	0.0	0.0	650	05-Jul
PX04	86	187	30.70	36.9	21.2	0.0	0.00	181.4	12.6	0.0	0.0	650	06-Jul
PX04	86	188	18.40	36.1	26.3	0.0	0.00	181.4	13.8	0.0	0.0	650	07-Jul
PX04	86	189	29.80	38.3	24.9	0.0	0.00	155.5	15.4	0.0	0.0	650	08-Jul
PX04	86	190	29.80	36.7	26.2	0.0	0.00	172.8	17.7	0.0	0.0	650	09-Jul
PX04	86	191	29.30	37.1	27.5	0.0	0.00	155.5	17.8	0.0	0.0	650	10-Jul
PX04	86	192	29.60	37.1	26.9	0.0	0.00	146.9	17.3	0.0	0.0	650	11-Jul
PX04	86	193	30.40	37.2	25.7	0.0	0.00	164.9	12.6	0.0	0.0	650	12-Jul
PX04	86	194	26.70	37.0	25.2	0.0	0.00	198.7	16.2	0.0	0.0	650	13-Jul
PX04	86	195	22.12	35.2	27.6	0.0	0.00	207.4	18.5	0.0	0.0	650	14-Jul
PX04	86	196	25.80	36.6	25.4	0.0	0.00	198.7	19.5	0.0	0.0	650	15-Jul
PX04	86	197	23.30	34.2	24.1	0.0	0.00	302.4	19.3	0.0	0.0	650	16-Jul
PX04	86	198	30.70	35.4	22.2	0.0	0.00	181.4	19.8	0.0	0.0	650	17-Jul
PX04	86	199	22.40	36.1	24.9	0.0	0.00	138.2	20.2	0.0	0.0	650	18-Jul
PX04	86	200	28.00	40.0	25.5	0.0	0.00	181.4	18.9	0.0	0.0	650	19-Jul
PX04	86	201	26.40	38.3	22.2	0.0	0.00	164.2	17.6	0.0	0.0	650	20-Jul
PX04	86	202	13.41	27.7	20.4	15.2	0.00	146.9	20.5	0.0	0.0	650	21-Jul
PX04	86	203	28.20	34.7	20.8	0.0	0.00	121.0	21.3	0.0	0.0	650	22-Jul
PX04	86	204	19.40	34.5	22.9	0.0	0.00	172.8	18.6	0.0	0.0	650	23-Jul
PX04	86	205	28.70	36.6	24.8	0.0	0.00	241.9	19.5	0.0	0.0	650	24-Jul
PX04	86	206	26.50	36.7	23.6	0.0	0.00	250.6	9.2	0.0	0.0	650	25-Jul
PX04	86	207	29.70	37.5	22.0	0.0	0.00	112.3	13.3	0.0	0.0	650	26-Jul
PX04	86	208	29.40	38.2	20.7	0.0	0.00	103.7	11.3	0.0	0.0	650	27-Jul
PX04	86	209	25.00	37.9	21.4	0.0	0.00	69.0	12.5	0.0	0.0	650	28-Jul
PX04	86	210	28.30	39.1	24.0	0.0	0.00	198.7	15.0	0.0	0.0	650	29-Jul
PX04	86	211	29.10	38.5	22.1	0.0	0.00	146.9	14.0	0.0	0.0	650	30-Jul
PX04	86	212	28.80	39.7	22.6	0.0	0.00	146.9	13.4	0.0	0.0	650	31-Jul
PX04	86	213	27.70	38.5	24.9	0.0	0.00	164.2	15.1	0.0	0.0	650	01-Aug
PX04	86	214	25.40	38.7	28.2	0.0	0.00	181.4	18.9	0.0	0.0	650	02-Aug
PX04	86	215	20.50	39.9	25.8	0.0	0.00	103.7	17.3	0.0	0.0	650	03-Aug
PX04	86	216	27.70	42.2	26.7	0.0	0.00	138.2	15.8	0.0	0.0	650	04-Aug
PX04	86	217	26.20	40.1	28.0	0.0	0.00	129.6	17.2	0.0	0.0	650	05-Aug
PX04	86	218	22.70	36.9	27.4	0.0	0.00	164.2	18.9	0.0	0.0	650	06-Aug
PX04	86	219	27.30	39.3	26.3	2.8	0.00	198.7	23.4	0.0	0.0	650	07-Aug
PX04	86	220	20.24	37.1	25.5	0.0	0.00	172.8	18.7	0.0	0.0	650	08-Aug
PX04	86	221	27.10	38.8	26.1	1.1	0.00	155.5	18.5	0.0	0.0	650	09-Aug
PX04	86	222	25.00	37.9	25.5	0.0	0.00	155.5	19.5	0.0	0.0	650	10-Aug
PX04	86	223	21.90	40.0	26.9	0.0	0.00	172.8	20.6	0.0	0.0	650	11-Aug
PX04	86	224	24.20	38.3	27.7	0.0	0.00	129.6	21.0	0.0	0.0	650	12-Aug
PX04	86	225	26.60	38.8	25.8	0.0	0.00	112.3	21.7	0.0	0.0	650	13-Aug
PX04	86	226	26.50	39.3	26.9	0.0	0.00	138.2	21.1	0.0	0.0	650	14-Aug
PX04	86	227	27.10	39.9	27.9	0.0	0.00	150.0	17.4	0.0	0.0	650	15-Aug
PX04	86	228	26.60	40.7	27.1	0.0	0.00	146.9	17.7	0.0	0.0	650	16-Aug
PX04	86	229	19.70	39.3	28.6	0.0	0.00	198.7	20.3	0.0	0.0	650	17-Aug
PX04	86	230	14.70	37.7	26.8	0.0	0.00	95.0	19.7	0.0	0.0	650	18-Aug
PX04	86	231	25.30	43.6	25.6	0.0	0.00	95.0	18.4	0.0	0.0	650	19-Aug
PX04	86	232	25.00	41.7	27.7	0.0	0.00	112.3	19.2	0.0	0.0	650	20-Aug
PX04	86	233	21.70	43.5	30.4	0.0	0.00	205.0	6.8	0.0	0.0	650	21-Aug
PX04	86	234	26.90	44.1	26.5	0.0	0.00	131.0	7.1	0.0	0.0	650	22-Aug
PX04	86	235	18.70	40.7	26.6	0.0	0.00	241.9	15.9	0.0	0.0	650	23-Aug
PX04	86	236	17.80	34.4	24.2	0.0	0.00	121.0	19.7	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	86	237	20.90	37.0	22.3	0.5	0.00	200.0	20.0	0.0	0.0	650	25-Aug
PX04	86	238	21.40	35.1	22.7	5.3	0.00	152.0	21.0	0.0	0.0	650	26-Aug
PX04	86	239	19.12	34.8	23.2	23.1	0.00	137.0	22.0	0.0	0.0	650	27-Aug
PX04	86	240	24.20	34.8	24.1	0.8	0.00	178.0	20.9	0.0	0.0	650	28-Aug
PX04	86	241	20.50	35.4	23.4	2.0	0.00	205.0	21.6	0.0	0.0	650	29-Aug
PX04	86	242	24.20	34.7	22.6	0.0	0.00	164.0	20.5	0.0	0.0	650	30-Aug
PX04	86	243	22.80	35.7	25.6	0.0	0.00	164.0	20.8	0.0	0.0	650	31-Aug
PX04	86	244	24.00	35.6	24.7	0.0	0.00	145.0	18.5	0.0	0.0	650	01-Sep
PX04	86	245	24.80	36.7	22.4	0.0	0.00	112.0	16.6	0.0	0.0	650	02-Sep
PX04	86	246	23.70	37.5	21.4	0.0	0.00	112.0	15.0	0.0	0.0	650	03-Sep
PX04	86	247	25.70	43.1	24.4	0.0	0.00	100.0	5.6	0.0	0.0	650	04-Sep
PX04	86	248	25.70	44.0	25.8	0.0	0.00	127.0	6.4	0.0	0.0	650	05-Sep
PX04	86	249	24.20	39.7	22.3	0.0	0.00	130.0	13.7	0.0	0.0	650	06-Sep
PX04	86	250	23.90	41.1	25.2	0.0	0.00	331.4	13.1	0.0	0.0	650	07-Sep
PX04	86	251	14.83	37.4	25.4	0.0	0.00	207.0	15.7	0.0	0.0	650	08-Sep
PX04	86	252	20.87	39.0	25.2	0.0	0.00	271.5	2.1	0.0	0.0	650	09-Sep
PX04	86	253	21.10	33.5	18.1	0.0	0.00	260.9	13.0	0.0	0.0	650	10-Sep
PX04	86	254	22.50	34.8	13.8	0.0	0.00	125.0	7.0	0.0	0.0	650	11-Sep
PX04	86	255	17.90	36.3	17.5	0.0	0.00	145.0	10.0	0.0	0.0	650	12-Sep
PX04	86	256	17.80	34.5	19.2	0.0	0.00	157.0	8.5	0.0	0.0	650	13-Sep
PX04	86	257	22.40	36.3	16.5	0.0	0.00	185.0	7.0	0.0	0.0	650	14-Sep
PX04	86	258	20.72	35.9	19.2	0.0	0.00	147.0	8.9	0.0	0.0	650	15-Sep
PX04	86	259	21.20	35.1	14.8	0.0	0.00	136.0	7.7	0.0	0.0	650	16-Sep
PX04	86	260	21.30	33.7	15.9	0.0	0.00	126.0	7.1	0.0	0.0	650	17-Sep
PX04	86	261	20.10	35.1	17.3	0.0	0.00	120.0	6.4	0.0	0.0	650	18-Sep
PX04	86	262	20.80	35.1	17.1	0.0	0.00	112.0	7.0	0.0	0.0	650	19-Sep
PX04	86	263	18.50	35.1	18.1	0.0	0.00	112.3	8.9	0.0	0.0	650	20-Sep
PX04	86	264	7.50	29.0	16.2	0.0	0.00	69.1	9.7	0.0	0.0	650	21-Sep
PX04	86	265	6.60	28.1	20.5	0.0	0.00	112.3	11.9	0.0	0.0	650	22-Sep
PX04	86	266	5.44	26.0	16.2	9.7	0.00	77.8	15.9	0.0	0.0	650	23-Sep
PX04	86	267	18.80	24.6	11.7	0.0	0.00	60.5	11.0	0.0	0.0	650	24-Sep
PX04	86	268	18.60	27.0	13.9	0.5	0.00	65.0	11.0	0.0	0.0	650	25-Sep
PX04	86	269	18.20	29.3	16.1	0.0	0.00	69.1	11.0	0.0	0.0	650	26-Sep
PX04	86	270	21.60	31.6	12.1	0.0	0.00	86.4	9.9	0.0	0.0	650	27-Sep
PX04	86	271	21.30	31.8	13.6	0.0	0.00	95.0	8.4	0.0	0.0	650	28-Sep
PX04	86	272	19.90	30.0	12.9	0.0	0.00	51.8	7.7	0.0	0.0	650	29-Sep
PX04	86	273	20.60	31.5	12.1	0.0	0.00	69.1	7.3	0.0	0.0	650	30-Sep
PX04	86	274	21.20	34.2	12.7	0.0	0.00	250.6	5.0	0.0	0.0	650	01-Oct
PX04	86	275	19.00	29.4	17.1	0.0	0.00	181.4	7.5	0.0	0.0	650	02-Oct
PX04	86	276	17.86	28.4	15.3	0.0	0.00	112.3	7.4	0.0	0.0	650	03-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC		↓			CO2YR	WINDYR
PX13	33.40	112.00	2.30	0 1	1 0	1	650	0.0	

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX13	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX13	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX13	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX13	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX13	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX13	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX13	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX13	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX13	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX13	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX13	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX13	86 99	27.50	33.6	11.5	0.0	0.00	86.0	-1.7	0.0	0.0	350	09-Apr
PX13	86 100	17.10	31.8	14.4	0.0	0.00	108.0	-1.7	0.0	0.0	350	10-Apr
PX13	86 101	24.30	33.4	14.0	0.0	0.00	121.0	-1.2	0.0	0.0	350	11-Apr
PX13	86 102	20.70	33.9	19.6	0.0	0.00	173.0	-0.9	0.0	0.0	350	12-Apr
PX13	86 103	27.40	30.4	14.5	0.0	0.00	233.0	-1.7	0.0	0.0	350	13-Apr
PX13	86 104	26.70	34.4	11.2	0.0	0.00	122.0	-1.4	0.0	0.0	350	14-Apr
PX13	86 105	25.50	36.1	17.1	0.0	0.00	145.0	-0.0	0.0	0.0	350	15-Apr
PX13	86 106	24.20	33.1	19.7	0.0	0.00	293.5	-0.5	0.0	0.0	350	16-Apr
PX13	86 107	28.50	27.4	15.3	0.0	0.00	271.5	-2.5	0.0	0.0	350	17-Apr
PX13	86 108	28.73	29.8	9.7	0.0	0.00	165.0	-1.9	0.0	0.0	350	18-Apr
PX13	86 109	28.80	32.4	10.0	0.0	0.00	97.0	-1.7	0.0	0.0	350	19-Apr
PX13	86 110	29.00	35.1	13.7	0.0	0.00	100.0	-0.7	0.0	0.0	350	20-Apr
PX13	86 111	28.90	37.9	16.4	0.0	0.00	120.0	0.6	0.0	0.0	350	21-Apr
PX13	86 112	26.30	37.5	17.2	0.0	0.00	175.0	0.4	0.0	0.0	350	22-Apr
PX13	86 113	23.90	35.3	20.1	0.0	0.00	184.0	0.2	0.0	0.0	350	23-Apr
PX13	86 114	24.80	34.5	19.1	0.0	0.00	287.0	-0.0	0.0	0.0	350	24-Apr
PX13	86 115	26.30	34.5	19.6	0.0	0.00	305.0	-0.7	0.0	0.0	650	25-Apr
PX13	86 116	28.80	32.5	19.7	0.0	0.00	271.8	-1.2	0.0	0.0	650	26-Apr
PX13	86 117	29.90	33.4	13.3	0.0	0.00	112.0	-0.2	0.0	0.0	650	27-Apr
PX13	86 118	28.10	36.0	15.3	0.0	0.00	120.0	0.4	0.0	0.0	650	28-Apr
PX13	86 119	27.30	36.1	16.5	0.0	0.00	123.0	-0.0	0.0	0.0	650	29-Apr
PX13	86 120	26.40	38.0	18.2	0.0	0.00	125.0	0.2	0.0	0.0	650	30-Apr
PX13	86 121	25.40	36.1	19.2	0.0	0.00	190.1	-0.9	0.0	0.0	650	01-May
PX13	86 122	28.20	42.0	18.1	0.0	0.00	138.2	1.1	0.0	0.0	650	02-May
PX13	86 123	28.80	40.1	19.2	0.0	0.00	120.0	1.1	0.0	0.0	650	03-May
PX13	86 124	30.14	33.1	17.7	0.0	0.00	190.1	-1.2	0.0	0.0	650	04-May
PX13	86 125	29.90	33.0	14.0	0.0	0.00	121.0	-4.1	0.0	0.0	650	05-May
PX13	86 126	27.80	31.0	16.2	0.0	0.00	233.3	1.7	0.0	0.0	650	06-May
PX13	86 127	28.90	24.4	13.1	0.0	0.00	293.8	-1.2	0.0	0.0	650	07-May
PX13	86 128	30.20	26.9	10.2	0.0	0.00	146.9	-1.7	0.0	0.0	650	08-May
PX13	86 129	31.80	31.7	11.7	0.0	0.00	164.2	-3.0	0.0	0.0	650	09-May
PX13	86 130	30.27	35.2	13.8	0.0	0.00	146.9	-5.0	0.0	0.0	650	10-May
PX13	86 131	30.70	36.2	15.6	0.0	0.00	155.5	-2.7	0.0	0.0	650	11-May
PX13	86 132	30.70	35.3	14.8	0.0	0.00	86.4	-3.3	0.0	0.0	650	12-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	86 133	30.40	36.9	15.8	0.0	0.00	120.9	-1.7	0.0	0.0	650	13-May
PX13	86 134	29.10	35.6	16.6	0.0	0.00	138.2	-0.5	0.0	0.0	650	14-May
PX13	86 135	25.50	36.4	17.6	0.0	0.00	207.4	-0.2	0.0	0.0	650	15-May
PX13	86 136	31.20	36.7	19.3	0.0	0.00	207.4	2.7	0.0	0.0	650	16-May
PX13	86 137	30.70	33.7	18.0	0.0	0.00	146.9	-0.9	0.0	0.0	650	17-May
PX13	86 138	30.90	37.5	17.8	0.0	0.00	112.3	0.2	0.0	0.0	650	18-May
PX13	86 139	30.60	41.9	20.1	0.0	0.00	129.6	1.1	0.0	0.0	650	19-May
PX13	86 140	29.60	41.5	21.0	0.0	0.00	198.7	2.9	0.0	0.0	650	20-May
PX13	86 141	22.63	37.2	21.5	0.0	0.00	190.1	3.0	0.0	0.0	650	21-May
PX13	86 142	29.10	36.4	19.0	0.0	0.00	103.7	3.8	0.0	0.0	650	22-May
PX13	86 143	27.90	36.7	21.5	0.0	0.00	146.9	4.5	0.0	0.0	650	23-May
PX13	86 144	23.10	36.8	21.3	0.0	0.00	95.0	2.1	0.0	0.0	650	24-May
PX13	86 145	29.90	40.1	19.8	0.0	0.00	129.6	2.9	0.0	0.0	650	25-May
PX13	86 146	29.40	40.0	21.1	0.0	0.00	181.4	3.2	0.0	0.0	650	26-May
PX13	86 147	29.80	39.8	21.2	0.0	0.00	129.6	3.9	0.0	0.0	650	27-May
PX13	86 148	28.57	40.7	22.2	0.0	0.00	146.9	6.1	0.0	0.0	650	28-May
PX13	86 149	26.90	39.1	24.1	0.0	0.00	164.2	8.5	0.0	0.0	650	29-May
PX13	86 150	20.00	35.6	25.0	0.0	0.00	172.8	11.5	0.0	0.0	650	30-May
PX13	86 151	25.50	37.2	21.7	0.0	0.00	172.8	13.8	0.0	0.0	650	31-May
PX13	86 152	26.30	39.4	22.3	0.5	0.00	164.2	11.1	0.0	0.0	650	01-Jun
PX13	86 153	25.14	38.7	22.8	0.0	0.00	181.4	12.8	0.0	0.0	650	02-Jun
PX13	86 154	28.73	39.6	23.3	0.0	0.00	164.2	13.0	0.0	0.0	650	03-Jun
PX13	86 155	29.30	39.6	25.8	0.0	0.00	164.2	13.3	0.0	0.0	650	04-Jun
PX13	86 156	29.40	39.2	24.4	0.0	0.00	164.2	11.6	0.0	0.0	650	05-Jun
PX13	86 157	30.60	38.9	19.8	0.0	0.00	103.7	7.3	0.0	0.0	650	06-Jun
PX13	86 158	31.10	40.0	21.3	0.0	0.00	129.6	5.3	0.0	0.0	650	07-Jun
PX13	86 159	31.30	38.2	21.8	0.0	0.00	164.2	2.5	0.0	0.0	650	08-Jun
PX13	86 160	28.70	39.1	21.0	0.0	0.00	181.4	4.3	0.0	0.0	650	09-Jun
PX13	86 161	31.00	39.6	19.6	0.0	0.00	112.3	3.2	0.0	0.0	650	10-Jun
PX13	86 162	30.80	38.6	19.5	0.0	0.00	95.0	6.5	0.0	0.0	650	11-Jun
PX13	86 163	31.00	44.3	21.5	0.0	0.00	120.9	4.1	0.0	0.0	650	12-Jun
PX13	86 164	31.10	42.9	24.4	0.0	0.00	132.0	3.9	0.0	0.0	650	13-Jun
PX13	86 165	31.30	40.4	22.5	0.0	0.00	114.0	9.0	0.0	0.0	650	14-Jun
PX13	86 166	30.14	41.1	25.2	0.0	0.00	129.6	11.5	0.0	0.0	650	15-Jun
PX13	86 167	29.50	41.1	25.1	0.0	0.00	155.5	8.8	0.0	0.0	650	16-Jun
PX13	86 168	29.70	42.5	27.9	0.0	0.00	155.5	11.4	0.0	0.0	650	17-Jun
PX13	86 169	30.60	37.6	23.7	0.0	0.00	172.8	8.6	0.0	0.0	650	18-Jun
PX13	86 170	30.90	38.2	22.6	0.0	0.00	120.0	6.5	0.0	0.0	650	19-Jun
PX13	86 171	31.30	39.5	21.8	0.0	0.00	155.5	6.2	0.0	0.0	650	20-Jun
PX13	86 172	27.70	39.7	22.2	0.0	0.00	121.0	6.1	0.0	0.0	650	21-Jun
PX13	86 173	24.10	38.0	22.0	0.0	0.00	172.8	5.4	0.0	0.0	650	22-Jun
PX13	86 174	29.60	41.0	24.9	0.0	0.00	216.0	7.8	0.0	0.0	650	23-Jun
PX13	86 175	28.90	40.9	27.4	0.0	0.00	337.0	12.7	0.0	0.0	650	24-Jun
PX13	86 176	29.40	37.1	26.1	0.0	0.00	267.8	16.4	0.0	0.0	650	25-Jun
PX13	86 177	29.30	38.7	26.1	0.0	0.00	95.0	15.0	0.0	0.0	650	26-Jun
PX13	86 178	29.70	38.8	27.7	0.0	0.00	138.2	14.4	0.0	0.0	650	27-Jun
PX13	86 179	20.70	38.2	28.9	0.0	0.00	138.2	15.0	0.0	0.0	650	28-Jun
PX13	86 180	13.60	34.0	27.1	0.0	0.00	259.2	15.5	0.0	0.0	650	29-Jun
PX13	86 181	28.30	36.7	24.4	0.0	0.00	138.2	17.4	0.0	0.0	650	30-Jun
PX13	86 182	29.20	37.9	23.0	10.9	0.00	198.7	19.5	0.0	0.0	650	01-Jul
PX13	86 183	28.30	35.6	24.5	14.0	0.00	121.0	22.4	0.0	0.0	650	02-Jul
PX13	86 184	22.90	36.0	24.8	0.0	0.00	130.0	22.4	0.0	0.0	650	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	86	185	22.60	34.3	23.6	1.3	0.00	190.1	20.6	0.0	0.0	650	04-Jul
PX13	86	186	30.90	35.7	23.2	0.0	0.00	181.4	15.4	0.0	0.0	650	05-Jul
PX13	86	187	30.70	37.2	21.6	0.0	0.00	181.4	13.1	0.0	0.0	650	06-Jul
PX13	86	188	18.40	36.1	26.7	0.0	0.00	181.4	14.5	0.0	0.0	650	07-Jul
PX13	86	189	29.80	37.5	25.4	0.0	0.00	155.5	16.5	0.0	0.0	650	08-Jul
PX13	86	190	29.80	35.8	26.6	0.0	0.00	172.8	18.7	0.0	0.0	650	09-Jul
PX13	86	191	29.30	36.5	27.5	0.0	0.00	155.5	18.4	0.0	0.0	650	10-Jul
PX13	86	192	29.60	37.0	27.0	0.0	0.00	146.9	18.0	0.0	0.0	650	11-Jul
PX13	86	193	30.40	36.5	25.7	0.0	0.00	164.2	14.7	0.0	0.0	650	12-Jul
PX13	86	194	26.70	36.1	25.3	0.0	0.00	198.7	17.7	0.0	0.0	650	13-Jul
PX13	86	195	22.12	34.7	27.7	0.0	0.00	207.4	18.9	0.0	0.0	650	14-Jul
PX13	86	196	25.80	35.5	25.9	0.0	0.00	198.7	19.3	0.0	0.0	650	15-Jul
PX13	86	197	23.30	34.3	25.2	0.0	0.00	302.4	19.2	0.0	0.0	650	16-Jul
PX13	86	198	30.70	35.2	23.1	0.0	0.00	181.4	18.9	0.0	0.0	650	17-Jul
PX13	86	199	22.40	35.9	26.2	0.0	0.00	138.2	19.1	0.0	0.0	650	18-Jul
PX13	86	200	28.00	39.0	26.1	0.0	0.00	181.4	18.6	0.0	0.0	650	19-Jul
PX13	86	201	26.40	40.2	22.3	0.0	0.00	164.2	16.6	0.0	0.0	650	20-Jul
PX13	86	202	13.41	28.3	20.6	15.2	0.00	146.2	20.3	0.0	0.0	650	21-Jul
PX13	86	203	28.20	33.4	21.1	0.0	0.00	121.0	20.1	0.0	0.0	650	22-Jul
PX13	86	204	19.40	34.8	23.0	0.0	0.00	172.8	17.7	0.0	0.0	650	23-Jul
PX13	86	205	28.70	36.5	25.0	0.0	0.00	241.9	18.0	0.0	0.0	650	24-Jul
PX13	86	206	26.50	36.9	23.8	0.0	0.00	250.6	14.8	0.0	0.0	650	25-Jul
PX13	86	207	29.70	37.7	22.1	0.0	0.00	112.3	11.8	0.0	0.0	650	26-Jul
PX13	86	208	29.40	38.4	20.8	0.0	0.00	103.7	9.3	0.0	0.0	650	27-Jul
PX13	86	209	25.00	38.5	21.2	0.0	0.00	69.1	11.2	0.0	0.0	650	28-Jul
PX13	86	210	28.30	38.7	24.1	0.0	0.00	198.7	14.2	0.0	0.0	650	29-Jul
PX13	86	211	29.10	39.0	22.2	0.0	0.00	146.9	12.1	0.0	0.0	650	30-Jul
PX13	86	212	28.80	40.1	22.8	0.0	0.00	146.9	11.5	0.0	0.0	650	31-Jul
PX13	86	213	27.70	38.5	24.9	0.0	0.00	164.2	14.2	0.0	0.0	650	01-Aug
PX13	86	214	25.40	38.4	28.1	0.0	0.00	181.4	18.6	0.0	0.0	650	02-Aug
PX13	86	215	20.50	39.3	26.5	0.0	0.00	103.7	16.8	0.0	0.0	650	03-Aug
PX13	86	216	27.70	41.8	27.3	0.0	0.00	138.2	16.3	0.0	0.0	650	04-Aug
PX13	86	217	26.20	38.9	28.2	0.0	0.00	129.6	17.8	0.0	0.0	650	05-Aug
PX13	86	218	22.70	36.4	27.4	0.0	0.00	164.2	19.2	0.0	0.0	650	06-Aug
PX13	86	219	27.30	38.4	27.1	2.8	0.00	198.7	19.1	0.0	0.0	650	07-Aug
PX13	86	220	20.24	36.1	26.4	0.0	0.00	172.8	19.2	0.0	0.0	650	08-Aug
PX13	86	221	27.10	38.4	26.9	1.1	0.00	155.5	19.2	0.0	0.0	650	09-Aug
PX13	86	222	25.00	37.7	26.1	0.0	0.00	155.5	20.1	0.0	0.0	650	10-Aug
PX13	86	223	21.90	38.9	27.3	0.0	0.00	172.8	20.9	0.0	0.0	650	11-Aug
PX13	86	224	24.20	37.7	27.5	0.0	0.00	129.6	20.6	0.0	0.0	650	12-Aug
PX13	86	225	26.60	38.7	26.5	0.0	0.00	112.3	21.0	0.0	0.0	650	13-Aug
PX13	86	226	26.50	39.2	27.6	0.0	0.00	138.2	20.4	0.0	0.0	650	14-Aug
PX13	86	227	27.10	38.7	27.5	0.0	0.00	150.0	18.4	0.0	0.0	650	15-Aug
PX13	86	228	26.60	39.0	27.2	0.0	0.00	146.9	19.6	0.0	0.0	650	16-Aug
PX13	86	229	19.70	37.8	28.2	0.0	0.00	198.7	20.3	0.0	0.0	650	17-Aug
PX13	86	230	14.70	37.8	26.9	0.0	0.00	95.0	19.7	0.0	0.0	650	18-Aug
PX13	86	231	25.30	42.6	26.7	0.0	0.00	95.0	18.9	0.0	0.0	650	19-Aug
PX13	86	232	25.00	40.9	28.0	0.0	0.00	112.3	19.6	0.0	0.0	650	20-Aug
PX13	86	233	21.70	43.7	30.3	0.0	0.00	205.0	3.8	0.0	0.0	650	21-Aug
PX13	86	234	26.90	44.3	26.6	0.0	0.00	131.0	3.9	0.0	0.0	650	22-Aug
PX13	86	235	18.70	39.8	26.1	0.0	0.00	241.9	16.4	0.0	0.0	650	23-Aug
PX13	86	236	17.80	34.4	24.6	0.0	0.00	121.0	20.1	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX13	86	237	20.90	37.2	22.8	0.5	0.00	200.0	19.9	0.0	0.0	650	25-Aug
PX13	86	238	21.40	35.1	23.5	5.3	0.00	152.0	21.0	0.0	0.0	650	26-Aug
PX13	86	239	19.12	35.1	24.4	23.1	0.00	137.0	21.9	0.0	0.0	650	27-Aug
PX13	86	240	24.20	35.2	23.9	0.8	0.00	178.0	20.7	0.0	0.0	650	28-Aug
PX13	86	241	20.50	35.9	23.1	2.0	0.00	205.0	21.7	0.0	0.0	650	29-Aug
PX13	86	242	24.20	35.3	22.7	0.0	0.00	164.0	20.3	0.0	0.0	650	30-Aug
PX13	86	243	22.80	36.0	26.0	0.0	0.00	164.0	20.7	0.0	0.0	650	31-Aug
PX13	86	244	24.00	35.6	24.7	0.0	0.00	145.0	19.6	0.0	0.0	650	01-Sep
PX13	86	245	24.80	37.1	23.3	0.0	0.00	112.0	16.4	0.0	0.0	650	02-Sep
PX13	86	246	23.70	38.0	22.2	0.0	0.00	112.0	14.8	0.0	0.0	650	03-Sep
PX13	86	247	25.70	43.3	24.6	0.0	0.00	100.0	2.7	0.0	0.0	650	04-Sep
PX13	86	248	25.70	44.2	26.0	0.0	0.00	127.0	3.4	0.0	0.0	650	05-Sep
PX13	86	249	24.20	40.3	23.2	0.0	0.00	130.0	12.5	0.0	0.0	650	06-Sep
PX13	86	250	23.90	41.5	26.5	0.0	0.00	331.4	12.4	0.0	0.0	650	07-Sep
PX13	86	251	14.83	38.0	25.3	0.0	0.00	207.0	15.2	0.0	0.0	650	08-Sep
PX13	86	252	20.87	39.0	25.4	0.0	0.00	271.5	-0.2	0.0	0.0	650	09-Sep
PX13	86	253	21.10	33.0	19.1	0.0	0.00	260.9	13.3	0.0	0.0	650	10-Sep
PX13	86	254	22.50	34.9	15.2	0.0	0.00	125.0	7.5	0.0	0.0	650	11-Sep
PX13	86	255	17.90	35.9	19.0	0.0	0.00	145.0	10.4	0.0	0.0	650	12-Sep
PX13	86	256	17.80	34.6	20.4	0.0	0.00	157.0	9.0	0.0	0.0	650	13-Sep
PX13	86	257	22.40	35.8	17.3	0.0	0.00	185.0	7.8	0.0	0.0	650	14-Sep
PX13	86	258	20.72	35.8	19.8	0.0	0.00	147.0	9.2	0.0	0.0	650	15-Sep
PX13	86	259	21.20	34.6	16.6	0.0	0.00	136.0	8.1	0.0	0.0	650	16-Sep
PX13	86	260	21.30	35.1	18.1	0.0	0.00	126.0	10.6	0.0	0.0	650	17-Sep
PX13	86	261	20.10	33.9	17.3	0.0	0.00	120.0	9.2	0.0	0.0	650	18-Sep
PX13	86	262	20.80	34.8	17.7	0.0	0.00	112.3	10.5	0.0	0.0	650	19-Sep
PX13	86	263	18.50	34.1	19.3	0.0	0.00	112.3	9.8	0.0	0.0	650	20-Sep
PX13	86	264	7.50	28.4	17.1	0.0	0.00	69.1	9.9	0.0	0.0	650	21-Sep
PX13	86	265	6.60	27.9	20.2	0.0	0.00	112.3	12.2	0.0	0.0	650	22-Sep
PX13	86	266	5.44	25.6	15.9	9.7	0.00	77.8	15.5	0.0	0.0	650	23-Sep
PX13	86	267	18.80	24.5	11.7	0.0	0.00	60.5	9.9	0.0	0.0	650	24-Sep
PX13	86	268	18.60	26.7	16.4	0.5	0.00	65.0	11.2	0.0	0.0	650	25-Sep
PX13	86	269	18.20	28.9	16.4	0.0	0.00	69.1	11.6	0.0	0.0	650	26-Sep
PX13	86	270	21.60	31.2	13.3	0.0	0.00	86.4	10.7	0.0	0.0	650	27-Sep
PX13	86	271	21.30	31.3	13.5	0.0	0.00	95.0	9.3	0.0	0.0	650	28-Sep
PX13	86	272	19.90	29.6	13.5	0.0	0.00	51.8	8.5	0.0	0.0	650	29-Sep
PX13	86	273	20.60	30.9	13.6	0.0	0.00	69.1	8.4	0.0	0.0	650	30-Sep
PX13	86	274	21.20	33.0	14.0	0.0	0.00	250.6	6.8	0.0	0.0	650	01-Oct
PX13	86	275	19.00	28.5	16.9	0.0	0.00	181.4	8.6	0.0	0.0	650	02-Oct
PX13	86	276	17.86	27.8	15.8	0.0	0.00	112.3	8.6	0.0	0.0	650	03-Oct

```
                          options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG  PARFAC      ↓      CO2YR WINDYR
PX01  33.40 112.00  2.30  0 1 1 0 1   650    0.0
```

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	86 87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX01	86 88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX01	86 89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX01	86 90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX01	86 91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX01	86 92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX01	86 93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX01	86 94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX01	86 95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX01	86 96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX01	86 97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX01	86 98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX01	86 99	27.50	35.2	10.4	0.0	0.00	86.0	-2.5	0.0	0.0	350	09-Apr
PX01	86 100	17.10	33.3	13.3	0.0	0.00	108.0	-2.5	0.0	0.0	350	10-Apr
PX01	86 101	24.30	34.9	12.9	0.0	0.00	121.0	-1.7	0.0	0.0	350	11-Apr
PX01	86 102	20.70	35.4	18.7	0.0	0.00	173.0	0.9	0.0	0.0	350	12-Apr
PX01	86 103	27.40	31.9	13.4	0.0	0.00	233.0	-2.2	0.0	0.0	350	13-Apr
PX01	86 104	26.70	35.9	10.6	0.0	0.00	122.0	-1.9	0.0	0.0	350	14-Apr
PX01	86 105	25.50	37.6	16.1	0.0	0.00	145.0	-0.7	0.0	0.0	350	15-Apr
PX01	86 106	24.20	34.6	18.8	0.0	0.00	293.5	-0.9	0.0	0.0	350	16-Apr
PX01	86 107	28.50	28.9	14.2	0.0	0.00	271.5	-3.0	0.0	0.0	350	17-Apr
PX01	86 108	28.70	31.3	8.5	0.0	0.00	165.0	-2.5	0.0	0.0	350	18-Apr
PX01	86 109	28.80	33.9	8.8	0.0	0.00	97.0	-2.5	0.0	0.0	350	19-Apr
PX01	86 110	29.00	36.6	12.5	0.0	0.00	100.0	-1.2	0.0	0.0	350	20-Apr
PX01	86 111	28.70	39.6	15.4	0.0	0.00	120.0	-0.0	0.0	0.0	350	21-Apr
PX01	86 112	26.30	39.4	16.2	0.0	0.00	175.0	-0.2	0.0	0.0	350	22-Apr
PX01	86 113	23.90	36.8	19.1	0.0	0.00	184.0	-0.2	0.0	0.0	350	23-Apr
PX01	86 114	24.80	36.0	18.2	0.0	0.00	287.0	-0.5	0.0	0.0	350	24-Apr
PX01	86 115	26.30	36.0	18.7	0.0	0.00	305.0	-0.7	0.0	0.0	650	25-Apr
PX01	86 116	28.80	34.0	18.8	0.0	0.00	271.8	-1.4	0.0	0.0	650	26-Apr
PX01	86 117	29.90	34.9	12.2	0.0	0.00	112.0	-1.7	0.0	0.0	650	27-Apr
PX01	86 118	28.10	37.5	14.2	0.0	0.00	120.0	-0.7	0.0	0.0	650	28-Apr
PX01	86 119	27.30	37.6	15.5	0.0	0.00	123.0	-0.5	0.0	0.0	650	29-Apr
PX01	86 120	26.40	42.9	15.8	0.0	0.00	125.0	-0.5	0.0	0.0	650	30-Apr
PX01	86 121	25.40	42.3	17.4	0.0	0.00	190.1	-3.5	0.0	0.0	650	01-May
PX01	86 122	28.20	42.0	16.6	0.0	0.00	138.2	-1.2	0.0	0.0	650	02-May
PX01	86 123	28.80	40.0	17.1	0.0	0.00	120.0	-0.7	0.0	0.0	650	03-May
PX01	86 124	30.10	35.5	16.0	0.0	0.00	190.1	-3.3	0.0	0.0	650	04-May
PX01	86 125	29.90	35.2	11.5	0.0	0.00	121.0	-8.6	0.0	0.0	650	05-May
PX01	86 126	27.80	31.8	14.4	0.0	0.00	233.3	1.5	0.0	0.0	650	06-May
PX01	86 127	28.90	25.2	13.1	0.0	0.00	293.8	-0.9	0.0	0.0	650	07-May
PX01	86 128	30.20	29.9	9.3	0.0	0.00	146.9	-1.7	0.0	0.0	650	08-May
PX01	86 129	31.80	32.9	10.8	0.0	0.00	164.2	-3.5	0.0	0.0	650	09-May
PX01	86 130	30.30	35.8	12.8	0.0	0.00	146.9	-3.3	0.0	0.0	650	10-May
PX01	86 131	30.70	37.2	15.0	0.0	0.00	155.5	-2.7	0.0	0.0	650	11-May
PX01	86 132	30.70	36.5	14.0	0.0	0.00	86.4	-3.5	0.0	0.0	650	12-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	86	133	30.40	37.9	15.1	0.0	0.00	120.9	-1.2	0.0	0.0	650	13-May
PX01	86	134	29.10	36.1	15.7	0.0	0.00	138.2	-0.5	0.0	0.0	650	14-May
PX01	86	135	25.50	37.3	17.0	0.0	0.00	207.4	-0.5	0.0	0.0	650	15-May
PX01	86	136	31.20	37.0	18.6	0.0	0.00	207.4	2.5	0.0	0.0	650	16-May
PX01	86	137	30.70	34.1	17.6	0.0	0.00	146.9	-1.9	0.0	0.0	650	17-May
PX01	86	138	30.90	37.9	17.2	0.0	0.00	112.3	-0.7	0.0	0.0	650	18-May
PX01	86	139	30.60	42.1	19.2	0.0	0.00	129.6	1.1	0.0	0.0	650	19-May
PX01	86	140	29.60	41.9	20.4	0.0	0.00	198.7	2.9	0.0	0.0	650	20-May
PX01	86	141	22.63	37.9	21.3	0.0	0.00	190.1	2.3	0.0	0.0	650	21-May
PX01	86	142	29.10	35.9	18.3	0.0	0.00	103.7	2.7	0.0	0.0	650	22-May
PX01	86	143	27.90	37.1	21.1	0.0	0.00	146.9	4.1	0.0	0.0	650	23-May
PX01	86	144	23.10	37.4	20.8	0.0	0.00	95.0	2.1	0.0	0.0	650	24-May
PX01	86	145	29.90	40.6	19.0	0.0	0.00	129.6	2.9	0.0	0.0	650	25-May
PX01	86	146	29.40	40.5	20.4	0.0	0.00	181.4	3.2	0.0	0.0	650	26-May
PX01	86	147	29.80	40.7	20.6	0.0	0.00	129.6	4.3	0.0	0.0	650	27-May
PX01	86	148	28.57	41.5	21.4	0.0	0.00	146.9	6.7	0.0	0.0	650	28-May
PX01	86	149	26.90	40.0	23.7	0.0	0.00	164.2	9.3	0.0	0.0	650	29-May
PX01	86	150	20.00	36.4	24.5	0.0	0.00	172.8	11.6	0.0	0.0	650	30-May
PX01	86	151	25.50	38.3	21.5	0.0	0.00	172.8	13.9	0.0	0.0	650	31-May
PX01	86	152	26.30	40.7	22.0	0.5	0.00	164.2	11.2	0.0	0.0	650	01-Jun
PX01	86	153	25.14	39.6	22.1	0.0	0.00	181.4	12.9	0.0	0.0	650	02-Jun
PX01	86	154	28.73	40.5	23.0	0.0	0.00	164.2	13.5	0.0	0.0	650	03-Jun
PX01	86	155	29.30	39.8	25.3	0.0	0.00	164.2	14.0	0.0	0.0	650	04-Jun
PX01	86	156	29.40	40.1	24.7	0.0	0.00	164.2	12.4	0.0	0.0	650	05-Jun
PX01	86	157	30.60	40.0	19.7	0.0	0.00	103.7	8.2	0.0	0.0	650	06-Jun
PX01	86	158	31.10	40.9	20.4	0.0	0.00	129.6	7.0	0.0	0.0	650	07-Jun
PX01	86	159	31.30	38.8	21.5	0.0	0.00	164.2	4.6	0.0	0.0	650	08-Jun
PX01	86	160	28.70	39.6	20.3	0.0	0.00	181.4	4.6	0.0	0.0	650	09-Jun
PX01	86	161	31.00	39.2	18.7	0.0	0.00	112.3	5.4	0.0	0.0	650	10-Jun
PX01	86	162	30.80	38.8	18.7	0.0	0.00	95.0	8.4	0.0	0.0	650	11-Jun
PX01	86	163	31.00	44.6	21.7	0.0	0.00	120.9	7.4	0.0	0.0	650	12-Jun
PX01	86	164	31.10	43.4	24.9	0.0	0.00	132.0	7.0	0.0	0.0	650	13-Jun
PX01	86	165	31.30	40.9	21.5	0.0	0.00	114.0	10.0	0.0	0.0	650	14-Jun
PX01	86	166	30.14	41.7	24.4	0.0	0.00	129.6	12.0	0.0	0.0	650	15-Jun
PX01	86	167	29.50	41.7	24.4	0.0	0.00	155.5	10.0	0.0	0.0	650	16-Jun
PX01	86	168	29.70	43.0	23.3	0.0	0.00	155.5	12.1	0.0	0.0	650	17-Jun
PX01	86	169	30.60	38.0	22.2	0.0	0.00	172.8	9.2	0.0	0.0	650	18-Jun
PX01	86	170	30.90	38.9	22.3	0.0	0.00	120.0	7.1	0.0	0.0	650	19-Jun
PX01	86	171	31.30	40.4	20.9	0.0	0.00	155.5	7.4	0.0	0.0	650	20-Jun
PX01	86	172	27.70	41.0	21.1	0.0	0.00	121.0	7.1	0.0	0.0	650	21-Jun
PX01	86	173	24.10	38.4	21.2	0.0	0.00	172.8	7.0	0.0	0.0	650	22-Jun
PX01	86	174	29.60	41.2	24.3	0.0	0.00	216.0	11.2	0.0	0.0	650	23-Jun
PX01	86	175	28.90	40.7	26.8	0.0	0.00	337.0	16.3	0.0	0.0	650	24-Jun
PX01	86	176	29.40	35.5	24.4	0.0	0.00	267.8	19.1	0.0	0.0	650	25-Jun
PX01	86	177	29.30	38.1	24.0	0.0	0.00	95.0	18.7	0.0	0.0	650	26-Jun
PX01	86	178	29.70	39.0	26.6	0.0	0.00	138.2	17.6	0.0	0.0	650	27-Jun
PX01	86	179	20.70	38.3	28.6	0.0	0.00	138.2	16.4	0.0	0.0	650	28-Jun
PX01	86	180	13.60	34.1	26.7	0.0	0.00	259.2	15.6	0.0	0.0	650	29-Jun
PX01	86	181	28.30	36.8	24.0	0.0	0.00	138.2	17.4	0.0	0.0	650	30-Jun
PX01	86	182	29.20	37.9	23.9	10.9	0.00	198.7	19.7	0.0	0.0	650	01-Jul
PX01	86	183	28.30	34.1	24.3	14.0	0.00	121.0	23.1	0.0	0.0	650	02-Jul
PX01	86	184	22.90	34.3	24.9	0.0	0.00	130.0	23.1	0.0	0.0	650	03-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	86	185	22.60	34.2	23.5	1.3	0.00	190.1	20.9	0.0	0.0	650	04-Jul
PX01	86	186	30.90	34.8	22.2	0.0	0.00	181.4	15.8	0.0	0.0	650	05-Jul
PX01	86	187	30.70	37.0	21.1	0.0	0.00	181.4	13.0	0.0	0.0	650	06-Jul
PX01	86	188	18.40	36.4	26.2	0.0	0.00	181.4	13.9	0.0	0.0	650	07-Jul
PX01	86	189	29.80	37.8	24.5	0.0	0.00	155.5	16.1	0.0	0.0	650	08-Jul
PX01	86	190	29.80	34.6	25.1	0.0	0.00	172.8	18.7	0.0	0.0	650	09-Jul
PX01	86	191	29.30	36.1	26.8	0.0	0.00	155.5	18.4	0.0	0.0	650	10-Jul
PX01	86	192	29.60	36.6	26.4	0.0	0.00	146.9	17.1	0.0	0.0	650	11-Jul
PX01	86	193	30.40	36.8	25.3	0.0	0.00	164.2	12.6	0.0	0.0	650	12-Jul
PX01	86	194	26.70	36.5	25.1	0.0	0.00	198.7	16.0	0.0	0.0	650	13-Jul
PX01	86	195	22.12	34.6	27.5	0.0	0.00	207.4	18.7	0.0	0.0	650	14-Jul
PX01	86	196	25.80	35.2	25.5	0.0	0.00	198.7	19.9	0.0	0.0	650	15-Jul
PX01	86	197	23.30	33.4	24.4	0.0	0.00	302.4	20.6	0.0	0.0	650	16-Jul
PX01	86	198	30.70	34.1	22.6	0.0	0.00	181.4	20.8	0.0	0.0	650	17-Jul
PX01	86	199	22.43	35.2	25.7	0.0	0.00	138.2	21.0	0.0	0.0	650	18-Jul
PX01	86	200	28.00	38.5	25.5	0.0	0.00	181.4	20.8	0.0	0.0	650	19-Jul
PX01	86	201	26.40	40.1	22.4	0.0	0.00	164.2	18.8	0.0	0.0	650	20-Jul
PX01	86	202	13.41	28.3	20.6	15.2	0.00	146.9	20.7	0.0	0.0	650	21-Jul
PX01	86	203	28.20	33.8	21.0	0.0	0.00	121.0	21.0	0.0	0.0	650	22-Jul
PX01	86	204	19.40	33.4	22.0	0.0	0.00	172.8	19.3	0.0	0.0	650	23-Jul
PX01	86	205	28.70	35.9	24.4	0.0	0.00	241.9	19.5	0.0	0.0	650	24-Jul
PX01	86	206	26.50	35.9	23.2	0.0	0.00	250.6	16.8	0.0	0.0	650	25-Jul
PX01	86	207	29.70	36.9	21.2	0.0	0.00	112.3	14.7	0.0	0.0	650	26-Jul
PX01	86	208	29.40	37.8	19.4	0.0	0.00	103.7	13.3	0.0	0.0	650	27-Jul
PX01	86	209	25.00	38.0	20.3	0.0	0.00	69.1	14.5	0.0	0.0	650	28-Jul
PX01	86	210	28.30	38.3	23.3	0.0	0.00	198.7	15.2	0.0	0.0	650	29-Jul
PX01	86	211	29.10	37.6	20.6	0.0	0.00	146.9	14.1	0.0	0.0	650	30-Jul
PX01	86	212	28.80	39.1	21.5	0.0	0.00	146.9	13.2	0.0	0.0	650	31-Jul
PX01	86	213	27.70	38.1	24.0	0.0	0.00	164.2	15.2	0.0	0.0	650	01-Aug
PX01	86	214	25.40	38.5	28.0	0.0	0.00	181.4	19.0	0.0	0.0	650	02-Aug
PX01	86	215	20.50	39.8	25.8	0.0	0.00	103.7	17.4	0.0	0.0	650	03-Aug
PX01	86	216	27.70	42.5	26.2	0.0	0.00	138.2	16.8	0.0	0.0	650	04-Aug
PX01	86	217	26.20	39.4	27.0	0.0	0.00	129.6	18.1	0.0	0.0	650	05-Aug
PX01	86	218	22.70	35.8	26.4	0.0	0.00	164.2	19.9	0.0	0.0	650	06-Aug
PX01	86	219	27.30	38.1	25.8	2.8	0.00	198.7	19.9	0.0	0.0	650	07-Aug
PX01	86	220	20.24	36.1	25.1	0.0	0.00	172.8	20.2	0.0	0.0	650	08-Aug
PX01	86	221	27.10	38.8	25.7	1.1	0.00	155.5	20.8	0.0	0.0	650	09-Aug
PX01	86	222	25.00	38.3	25.4	0.0	0.00	155.5	21.7	0.0	0.0	650	10-Aug
PX01	86	223	21.90	41.4	25.8	0.0	0.00	172.8	23.5	0.0	0.0	650	11-Aug
PX01	86	224	24.20	38.3	27.4	0.0	0.00	129.6	20.6	0.0	0.0	650	12-Aug
PX01	86	225	26.60	37.7	25.2	0.0	0.00	112.3	21.5	0.0	0.0	650	13-Aug
PX01	86	226	26.50	39.3	26.2	0.0	0.00	138.2	20.6	0.0	0.0	650	14-Aug
PX01	86	227	27.10	39.7	26.6	0.0	0.00	150.0	18.4	0.0	0.0	650	15-Aug
PX01	86	228	26.60	40.1	26.9	0.0	0.00	146.9	19.0	0.0	0.0	650	16-Aug
PX01	86	229	19.70	38.7	28.1	0.0	0.00	198.7	19.4	0.0	0.0	650	17-Aug
PX01	86	230	14.70	39.6	26.7	0.0	0.00	95.0	19.6	0.0	0.0	650	18-Aug
PX01	86	231	25.30	44.5	25.9	0.0	0.00	95.0	18.9	0.0	0.0	650	19-Aug
PX01	86	232	25.00	41.4	26.0	0.0	0.00	112.3	16.7	0.0	0.0	650	20-Aug
PX01	86	233	21.70	43.0	28.0	0.0	0.00	205.0	3.0	0.0	0.0	650	21-Aug
PX01	86	234	26.90	44.7	24.2	0.0	0.00	131.0	3.2	0.0	0.0	650	22-Aug
PX01	86	235	18.70	41.4	24.6	0.0	0.00	241.9	20.0	0.0	0.0	650	23-Aug
PX01	86	236	17.80	34.7	26.1	0.0	0.00	121.0	20.8	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	86	237	20.90	36.1	22.2	0.5	0.00	152.0	20.6	0.0	0.0	650	25-Aug
PX01	86	238	21.40	34.8	22.9	5.3	0.00	200.0	21.2	0.0	0.0	650	26-Aug
PX01	86	239	19.12	35.6	20.3	23.1	0.00	137.0	20.7	0.0	0.0	650	27-Aug
PX01	86	240	24.20	36.1	22.4	0.8	0.00	178.0	20.6	0.0	0.0	650	28-Aug
PX01	86	241	20.50	35.6	23.6	2.0	0.00	205.0	20.7	0.0	0.0	650	29-Aug
PX01	86	242	24.20	36.1	21.8	0.0	0.00	164.0	20.1	0.0	0.0	650	30-Aug
PX01	86	243	22.80	37.2	25.5	0.0	0.00	164.0	20.4	0.0	0.0	650	31-Aug
PX01	86	244	24.00	36.6	24.3	0.0	0.00	145.0	18.0	0.0	0.0	650	01-Sep
PX01	86	245	24.80	38.1	22.7	0.0	0.00	112.0	16.0	0.0	0.0	650	02-Sep
PX01	86	246	23.70	38.8	21.7	0.0	0.00	112.0	14.2	0.0	0.0	650	03-Sep
PX01	86	247	25.70	40.9	20.9	0.0	0.00	100.0	2.1	0.0	0.0	650	04-Sep
PX01	86	248	25.70	41.1	22.5	0.0	0.00	127.0	2.7	0.0	0.0	650	05-Sep
PX01	86	249	24.20	41.6	22.3	0.0	0.00	130.0	11.6	0.0	0.0	650	06-Sep
PX01	86	250	23.90	42.0	25.6	0.0	0.00	331.4	11.8	0.0	0.0	650	07-Sep
PX01	86	251	14.83	38.7	25.0	0.0	0.00	207.0	14.9	0.0	0.0	650	08-Sep
PX01	86	252	20.87	40.5	24.6	0.0	0.00	271.5	-0.7	0.0	0.0	650	09-Sep
PX01	86	253	21.10	32.1	18.3	0.0	0.00	260.9	13.3	0.0	0.0	650	10-Sep
PX01	86	254	22.50	35.6	13.9	0.0	0.00	125.0	7.4	0.0	0.0	650	11-Sep
PX01	86	255	17.90	36.1	17.9	0.0	0.00	145.0	10.1	0.0	0.0	650	12-Sep
PX01	86	256	17.80	34.8	19.4	0.0	0.00	157.0	8.6	0.0	0.0	650	13-Sep
PX01	86	257	22.40	36.7	16.6	0.0	0.00	185.0	7.5	0.0	0.0	650	14-Sep
PX01	86	258	20.72	36.5	19.4	0.0	0.00	147.0	8.9	0.0	0.0	650	15-Sep
PX01	86	259	21.20	34.7	15.6	0.0	0.00	136.0	8.2	0.0	0.0	650	16-Sep
PX01	86	260	21.30	34.6	16.9	0.0	0.00	126.0	7.5	0.0	0.0	650	17-Sep
PX01	86	261	20.10	32.6	15.7	0.0	0.00	120.0	8.5	0.0	0.0	650	18-Sep
PX01	86	262	20.80	35.0	16.6	0.0	0.00	112.3	8.1	0.0	0.0	650	19-Sep
PX01	86	263	18.50	34.4	18.1	0.0	0.00	112.3	9.8	0.0	0.0	650	20-Sep
PX01	86	264	7.50	28.5	16.1	0.0	0.00	69.1	10.0	0.0	0.0	650	21-Sep
PX01	86	265	6.60	27.9	20.1	0.0	0.00	112.3	12.3	0.0	0.0	650	22-Sep
PX01	86	266	5.44	25.4	13.4	9.7	0.00	77.8	16.2	0.0	0.0	650	23-Sep
PX01	86	267	18.80	24.5	11.2	0.0	0.00	60.5	10.6	0.0	0.0	650	24-Sep
PX01	86	268	18.60	26.7	13.4	0.5	0.00	65.0	10.6	0.0	0.0	650	25-Sep
PX01	86	269	18.20	29.2	15.7	0.0	0.00	69.1	11.5	0.0	0.0	650	26-Sep
PX01	86	270	21.60	31.4	12.4	0.0	0.00	86.4	10.9	0.0	0.0	650	27-Sep
PX01	86	271	21.30	31.8	13.8	0.0	0.00	95.0	9.4	0.0	0.0	650	28-Sep
PX01	86	272	19.90	30.0	13.0	0.0	0.00	51.8	8.2	0.0	0.0	650	29-Sep
PX01	86	273	20.60	31.6	12.4	0.0	0.00	69.1	8.4	0.0	0.0	650	30-Sep
PX01	86	274	21.20	32.9	12.9	0.0	0.00	250.6	7.1	0.0	0.0	650	01-Oct
PX01	86	275	19.00	28.8	16.3	0.0	0.00	181.4	8.5	0.0	0.0	650	02-Oct
PX01	86	276	17.86	28.2	14.9	0.0	0.00	112.3	8.6	0.0	0.0	650	03-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX14	33.40	112.00	2.30	0 1 1 0 1	650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	86	87	21.53	38.6	20.3	0.0	0.00	202.2	-0.5	0.0	0.0	350	28-Mar
PX14	86	88	24.11	36.8	18.6	0.0	0.00	127.9	-1.4	0.0	0.0	350	29-Mar
PX14	86	89	23.48	37.4	15.6	0.0	0.00	82.8	1.5	0.0	0.0	350	30-Mar
PX14	86	90	10.93	33.5	18.5	0.0	0.00	121.0	0.6	0.0	0.0	350	31-Mar
PX14	86	91	17.70	31.8	19.6	0.0	0.00	162.0	-2.2	0.0	0.0	350	01-Apr
PX14	86	92	25.03	27.1	14.0	0.0	0.00	358.9	-1.7	0.0	0.0	350	02-Apr
PX14	86	93	26.40	28.8	8.3	0.0	0.00	111.3	0.9	0.0	0.0	350	03-Apr
PX14	86	94	26.54	31.8	10.3	0.0	0.00	141.9	1.1	0.0	0.0	350	04-Apr
PX14	86	95	26.78	35.6	10.5	0.0	0.00	204.3	-0.0	0.0	0.0	350	05-Apr
PX14	86	96	19.96	33.3	12.9	0.0	0.00	202.2	1.5	0.0	0.0	350	06-Apr
PX14	86	97	16.10	30.1	16.6	0.0	0.00	95.6	0.2	0.0	0.0	350	07-Apr
PX14	86	98	26.95	32.9	12.2	0.0	0.00	103.5	-0.9	0.0	0.0	350	08-Apr
PX14	86	99	27.50	33.7	12.0	0.0	0.00	86.0	1.9	0.0	0.0	350	09-Apr
PX14	86	100	17.10	32.1	14.6	0.0	0.00	108.0	1.9	0.0	0.0	350	10-Apr
PX14	86	101	24.30	33.5	14.3	0.0	0.00	121.0	2.5	0.0	0.0	350	11-Apr
PX14	86	102	20.70	34.0	19.3	0.0	0.00	173.0	2.7	0.0	0.0	350	12-Apr
PX14	86	103	27.40	30.8	14.7	0.0	0.00	233.0	1.9	0.0	0.0	350	13-Apr
PX14	86	104	26.70	34.4	11.7	0.0	0.00	122.0	2.3	0.0	0.0	350	14-Apr
PX14	86	105	25.50	35.8	17.1	0.0	0.00	145.0	3.6	0.0	0.0	350	15-Apr
PX14	86	106	24.20	33.2	19.4	0.0	0.00	293.5	3.0	0.0	0.0	350	16-Apr
PX14	86	107	28.50	28.2	15.4	0.0	0.00	271.5	1.1	0.0	0.0	350	17-Apr
PX14	86	108	28.70	30.3	10.4	0.0	0.00	165.0	1.5	0.0	0.0	350	18-Apr
PX14	86	109	28.80	32.6	10.6	0.0	0.00	97.0	1.9	0.0	0.0	350	19-Apr
PX14	86	110	29.00	35.0	13.9	0.0	0.00	100.0	3.0	0.0	0.0	350	20-Apr
PX14	86	111	28.70	37.5	16.5	0.0	0.00	120.0	4.1	0.0	0.0	350	21-Apr
PX14	86	112	26.30	37.2	17.2	0.0	0.00	175.0	3.9	0.0	0.0	350	22-Apr
PX14	86	113	23.90	35.2	19.8	0.0	0.00	184.0	3.9	0.0	0.0	350	23-Apr
PX14	86	114	24.80	34.4	19.5	0.0	0.00	287.0	3.8	0.0	0.0	350	24-Apr
PX14	86	115	26.30	34.4	19.5	0.0	0.00	305.0	3.4	0.0	0.0	650	25-Apr
PX14	86	116	28.80	32.7	19.4	0.0	0.00	271.8	2.9	0.0	0.0	650	26-Apr
PX14	86	117	29.90	33.5	13.6	0.0	0.00	112.0	2.5	0.0	0.0	650	27-Apr
PX14	86	118	28.10	35.8	15.4	0.0	0.00	120.0	3.4	0.0	0.0	650	28-Apr
PX14	86	119	27.30	35.8	16.6	0.0	0.00	123.0	3.6	0.0	0.0	650	29-Apr
PX14	86	120	26.40	41.1	16.9	0.0	0.00	125.0	3.8	0.0	0.0	650	30-Apr
PX14	86	121	25.40	41.7	17.6	0.0	0.00	190.1	5.0	0.0	0.0	650	01-May
PX14	86	122	28.20	42.2	16.6	0.0	0.00	138.2	6.1	0.0	0.0	650	02-May
PX14	86	123	28.80	40.6	17.4	0.0	0.00	120.0	3.6	0.0	0.0	650	03-May
PX14	86	124	30.14	33.7	18.0	0.0	0.00	190.1	1.7	0.0	0.0	650	04-May
PX14	86	125	29.90	33.8	14.4	0.0	0.00	121.0	-0.5	0.0	0.0	650	05-May
PX14	86	126	27.80	31.6	16.6	0.0	0.00	233.3	3.6	0.0	0.0	650	06-May
PX14	86	127	28.90	24.7	13.6	0.0	0.00	293.8	0.9	0.0	0.0	650	07-May
PX14	86	128	30.20	29.5	10.2	0.0	0.00	146.9	1.1	0.0	0.0	650	08-May
PX14	86	129	31.80	32.2	11.8	0.0	0.00	164.1	1.7	0.0	0.0	650	09-May
PX14	86	130	30.27	35.3	13.8	0.0	0.00	146.9	1.7	0.0	0.0	650	10-May
PX14	86	131	30.70	36.3	15.8	0.0	0.00	155.5	6.5	0.0	0.0	650	11-May
PX14	86	132	30.70	36.0	15.2	0.0	0.00	86.4	0.6	0.0	0.0	650	12-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	86 133	30.40	37.3	16.0	0.0	0.00	120.9	0.9	0.0	0.0	650	13-May
PX14	86 134	29.10	35.6	16.7	0.0	0.00	138.2	2.3	0.0	0.0	650	14-May
PX14	86 135	25.50	36.7	17.7	0.0	0.00	207.4	1.1	0.0	0.0	650	15-May
PX14	86 136	31.20	37.0	17.0	0.0	0.00	207.4	-0.0	0.0	0.0	650	16-May
PX14	86 137	30.70	33.7	18.3	0.0	0.00	146.9	-1.2	0.0	0.0	650	17-May
PX14	86 138	30.90	37.5	18.0	0.0	0.00	112.3	-0.5	0.0	0.0	650	18-May
PX14	86 139	30.60	41.7	20.3	0.0	0.00	129.6	0.4	0.0	0.0	650	19-May
PX14	86 140	29.60	42.4	21.2	0.0	0.00	198.7	3.4	0.0	0.0	650	20-May
PX14	86 141	22.63	36.7	21.7	0.0	0.00	190.1	4.1	0.0	0.0	650	21-May
PX14	86 142	29.10	35.3	18.0	0.0	0.00	103.7	2.3	0.0	0.0	650	22-May
PX14	86 143	27.90	36.6	19.9	0.0	0.00	146.9	5.3	0.0	0.0	650	23-May
PX14	86 144	23.10	36.9	19.4	0.0	0.00	95.0	4.6	0.0	0.0	650	24-May
PX14	86 145	29.90	39.8	20.1	0.0	0.00	129.6	4.3	0.0	0.0	650	25-May
PX14	86 146	29.40	40.0	21.3	0.0	0.00	181.4	5.6	0.0	0.0	650	26-May
PX14	86 147	29.80	39.7	21.5	0.0	0.00	129.6	7.4	0.0	0.0	650	27-May
PX14	86 148	28.57	40.7	22.3	0.0	0.00	146.9	10.0	0.0	0.0	650	28-May
PX14	86 149	26.90	39.2	24.4	0.0	0.00	164.2	13.1	0.0	0.0	650	29-May
PX14	86 150	20.00	35.6	24.9	0.0	0.00	172.8	14.5	0.0	0.0	650	30-May
PX14	86 151	25.50	37.2	21.8	0.0	0.00	172.8	15.0	0.0	0.0	650	31-May
PX14	86 152	26.30	39.5	22.3	0.5	0.00	164.2	13.2	0.0	0.0	650	01-Jun
PX14	86 153	25.14	38.8	22.9	0.0	0.00	181.4	15.2	0.0	0.0	650	02-Jun
PX14	86 154	28.73	39.7	23.2	0.0	0.00	164.2	16.4	0.0	0.0	650	03-Jun
PX14	86 155	29.30	38.6	25.5	0.0	0.00	164.2	17.3	0.0	0.0	650	04-Jun
PX14	86 156	29.40	38.9	24.3	0.0	0.00	164.2	16.4	0.0	0.0	650	05-Jun
PX14	86 157	30.60	39.9	20.9	0.0	0.00	103.7	11.8	0.0	0.0	650	06-Jun
PX14	86 158	31.10	38.6	21.5	0.0	0.00	129.6	9.7	0.0	0.0	650	07-Jun
PX14	86 159	31.30	39.1	20.7	0.0	0.00	164.2	7.8	0.0	0.0	650	08-Jun
PX14	86 160	28.70	39.6	19.4	0.0	0.00	181.4	7.4	0.0	0.0	650	09-Jun
PX14	86 161	31.00	39.6	19.4	0.0	0.00	112.3	10.0	0.0	0.0	650	10-Jun
PX14	86 162	30.80	38.7	19.2	0.0	0.00	95.0	11.3	0.0	0.0	650	11-Jun
PX14	86 163	31.00	43.1	21.0	0.0	0.00	120.9	7.7	0.0	0.0	650	12-Jun
PX14	86 164	31.10	41.9	23.7	0.0	0.00	132.0	7.4	0.0	0.0	650	13-Jun
PX14	86 165	31.30	39.5	22.1	0.0	0.00	114.0	11.8	0.0	0.0	650	14-Jun
PX14	86 166	30.14	40.2	24.7	0.0	0.00	129.6	14.8	0.0	0.0	650	15-Jun
PX14	86 167	29.50	40.0	24.7	0.0	0.00	155.5	11.6	0.0	0.0	650	16-Jun
PX14	86 168	29.70	41.4	21.9	0.0	0.00	155.5	14.1	0.0	0.0	650	17-Jun
PX14	86 169	30.60	37.2	23.1	0.0	0.00	172.8	11.3	0.0	0.0	650	18-Jun
PX14	86 170	30.90	37.7	22.8	0.0	0.00	120.0	10.0	0.0	0.0	650	19-Jun
PX14	86 171	31.30	38.8	21.6	0.0	0.00	155.5	10.5	0.0	0.0	650	20-Jun
PX14	86 172	27.70	38.7	21.9	0.0	0.00	121.0	11.4	0.0	0.0	650	21-Jun
PX14	86 173	24.10	37.3	21.9	0.0	0.00	172.8	11.4	0.0	0.0	650	22-Jun
PX14	86 174	29.60	39.6	24.9	0.0	0.00	216.0	10.4	0.0	0.0	650	23-Jun
PX14	86 175	28.90	40.2	27.3	0.0	0.00	337.0	15.8	0.0	0.0	650	24-Jun
PX14	86 176	29.40	37.6	26.3	0.0	0.00	267.8	17.9	0.0	0.0	650	25-Jun
PX14	86 177	29.30	39.9	25.6	0.0	0.00	95.0	20.0	0.0	0.0	650	26-Jun
PX14	86 178	29.70	37.8	27.4	0.0	0.00	138.2	18.8	0.0	0.0	650	27-Jun
PX14	86 179	20.70	37.1	28.6	0.0	0.00	138.2	17.5	0.0	0.0	650	28-Jun
PX14	86 180	13.60	33.6	27.0	0.0	0.00	259.2	16.7	0.0	0.0	650	29-Jun
PX14	86 181	28.30	38.4	24.3	0.0	0.00	138.2	19.5	0.0	0.0	650	30-Jun
PX14	86 182	29.20	36.6	23.5	10.9	0.00	198.7	19.6	0.0	0.0	650	01-Jul
PX14	86 183	28.30	34.7	24.2	14.0	0.00	121.0	22.5	0.0	0.0	650	02-Jul
PX14	86 184	22.90	35.1	24.5	0.0	0.00	130.0	22.6	0.0	0.0	650	03-Jul

A-424

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	86	185	22.60	33.3	23.6	1.3	0.00	190.1	20.5	0.0	0.0	650	04-Jul
PX14	86	186	30.90	34.5	23.1	0.0	0.00	181.4	15.4	0.0	0.0	650	05-Jul
PX14	86	187	30.70	35.5	21.2	0.0	0.00	181.4	13.1	0.0	0.0	650	06-Jul
PX14	86	188	18.40	35.7	26.2	0.0	0.00	181.4	14.6	0.0	0.0	650	07-Jul
PX14	86	189	29.80	37.1	25.2	0.0	0.00	155.5	16.8	0.0	0.0	650	08-Jul
PX14	86	190	29.80	35.5	26.5	0.0	0.00	172.8	18.9	0.0	0.0	650	09-Jul
PX14	86	191	29.30	35.8	27.3	0.0	0.00	155.5	18.9	0.0	0.0	650	10-Jul
PX14	86	192	29.60	36.3	26.8	0.0	0.00	146.9	18.3	0.0	0.0	650	11-Jul
PX14	86	193	30.40	36.1	25.5	0.0	0.00	164.2	14.5	0.0	0.0	650	12-Jul
PX14	86	194	26.70	35.9	25.3	0.0	0.00	198.7	17.6	0.0	0.0	650	13-Jul
PX14	86	195	22.12	34.2	25.7	0.0	0.00	207.4	20.6	0.0	0.0	650	14-Jul
PX14	86	196	25.80	34.7	23.9	0.0	0.00	198.7	21.5	0.0	0.0	650	15-Jul
PX14	86	197	23.30	34.8	22.8	0.0	0.00	302.4	20.4	0.0	0.0	650	16-Jul
PX14	86	198	30.70	34.2	25.0	0.0	0.00	181.4	21.7	0.0	0.0	650	17-Jul
PX14	86	199	22.40	34.9	24.3	0.0	0.00	138.2	21.2	0.0	0.0	650	18-Jul
PX14	86	200	28.00	37.7	26.0	0.0	0.00	181.4	19.4	0.0	0.0	650	19-Jul
PX14	86	201	26.40	39.1	22.5	0.0	0.00	164.2	17.3	0.0	0.0	650	20-Jul
PX14	86	202	13.41	27.8	20.7	15.2	0.00	146.9	20.7	0.0	0.0	650	21-Jul
PX14	86	203	28.20	32.0	21.1	0.0	0.00	121.0	20.9	0.0	0.0	650	22-Jul
PX14	86	204	19.40	33.1	22.0	0.0	0.00	172.8	19.1	0.0	0.0	650	23-Jul
PX14	86	205	28.70	35.9	24.7	0.0	0.00	241.9	20.2	0.0	0.0	650	24-Jul
PX14	86	206	26.50	36.2	23.5	0.0	0.00	250.6	18.4	0.0	0.0	650	25-Jul
PX14	86	207	29.70	37.2	21.6	0.0	0.00	112.3	17.5	0.0	0.0	650	26-Jul
PX14	86	208	29.40	38.0	20.6	0.0	0.00	103.7	15.2	0.0	0.0	650	27-Jul
PX14	86	209	25.00	37.9	21.2	0.0	0.00	69.1	14.8	0.0	0.0	650	28-Jul
PX14	86	210	28.30	38.4	23.9	0.0	0.00	198.7	15.6	0.0	0.0	650	29-Jul
PX14	86	211	29.10	38.3	22.2	0.0	0.00	146.9	13.4	0.0	0.0	650	30-Jul
PX14	86	212	28.80	40.0	22.4	0.0	0.00	146.9	13.1	0.0	0.0	650	31-Jul
PX14	86	213	27.70	37.9	24.8	0.0	0.00	164.2	15.0	0.0	0.0	650	01-Aug
PX14	86	214	25.40	38.4	28.2	0.0	0.00	181.4	18.7	0.0	0.0	650	02-Aug
PX14	86	215	20.50	39.1	26.6	0.0	0.00	103.7	17.7	0.0	0.0	650	03-Aug
PX14	86	216	27.70	41.3	27.1	0.0	0.00	138.2	17.0	0.0	0.0	650	04-Aug
PX14	86	217	26.20	39.1	27.4	0.0	0.00	129.6	17.9	0.0	0.0	650	05-Aug
PX14	86	218	22.70	36.7	27.4	0.0	0.00	164.2	19.2	0.0	0.0	650	06-Aug
PX14	86	219	27.30	38.7	27.0	2.8	0.00	198.7	18.6	0.0	0.0	650	07-Aug
PX14	86	220	20.24	36.3	26.1	0.0	0.00	172.8	19.1	0.0	0.0	650	08-Aug
PX14	86	221	27.10	38.7	26.5	1.1	0.00	155.5	19.1	0.0	0.0	650	09-Aug
PX14	86	222	25.00	38.2	26.0	0.0	0.00	155.5	21.3	0.0	0.0	650	10-Aug
PX14	86	223	21.90	39.6	27.2	0.0	0.00	172.8	22.1	0.0	0.0	650	11-Aug
PX14	86	224	24.20	37.7	27.6	0.0	0.00	129.6	21.9	0.0	0.0	650	12-Aug
PX14	86	225	26.60	39.3	26.3	0.0	0.00	112.3	22.4	0.0	0.0	650	13-Aug
PX14	86	226	26.50	39.6	27.3	0.0	0.00	138.2	21.3	0.0	0.0	650	14-Aug
PX14	86	227	27.10	39.3	28.8	0.0	0.00	150.0	19.0	0.0	0.0	650	15-Aug
PX14	86	228	26.60	39.6	27.3	0.0	0.00	146.9	20.1	0.0	0.0	650	16-Aug
PX14	86	229	19.70	38.4	28.2	0.0	0.00	198.7	20.9	0.0	0.0	650	17-Aug
PX14	86	230	14.70	38.4	26.9	0.0	0.00	95.0	19.8	0.0	0.0	650	18-Aug
PX14	86	231	25.30	43.5	26.5	0.0	0.00	95.0	18.7	0.0	0.0	650	19-Aug
PX14	86	232	25.00	41.9	28.0	0.0	0.00	112.3	19.2	0.0	0.0	650	20-Aug
PX14	86	233	21.70	45.9	30.0	0.0	0.00	205.0	7.3	0.0	0.0	650	21-Aug
PX14	86	234	26.90	46.5	26.1	0.0	0.00	131.0	7.4	0.0	0.0	650	22-Aug
PX14	86	235	18.70	40.5	26.5	0.0	0.00	241.9	16.2	0.0	0.0	650	23-Aug
PX14	86	236	17.80	34.9	24.6	0.0	0.00	121.0	19.9	0.0	0.0	650	24-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	86	237	20.90	37.1	22.9	0.5	0.00	200.0	19.7	0.0	0.0	650	25-Aug
PX14	86	238	21.40	34.8	23.2	5.4	0.00	152.0	20.9	0.0	0.0	650	26-Aug
PX14	86	239	19.12	35.3	23.6	23.1	0.00	137.0	21.5	0.0	0.0	650	27-Aug
PX14	86	240	24.20	36.1	24.1	0.8	0.00	178.0	20.3	0.0	0.0	650	28-Aug
PX14	86	241	20.50	34.9	24.2	2.0	0.00	205.0	20.4	0.0	0.0	650	29-Aug
PX14	86	242	24.20	34.8	22.9	0.0	0.00	164.0	19.7	0.0	0.0	650	30-Aug
PX14	86	243	22.80	36.3	26.1	0.0	0.00	164.0	20.1	0.0	0.0	650	31-Aug
PX14	86	244	24.00	36.0	24.9	0.0	0.00	145.0	17.6	0.0	0.0	650	01-Sep
PX14	86	245	24.80	37.6	23.8	0.0	0.00	112.0	15.8	0.0	0.0	650	02-Sep
PX14	86	246	23.70	37.8	22.7	0.0	0.00	112.0	14.6	0.0	0.0	650	03-Sep
PX14	86	247	25.70	42.2	23.9	0.0	0.00	100.0	6.2	0.0	0.0	650	04-Sep
PX14	86	248	25.70	43.1	25.7	0.0	0.00	127.0	6.8	0.0	0.0	650	05-Sep
PX14	86	249	24.20	40.7	23.4	0.0	0.00	130.0	12.2	0.0	0.0	650	06-Sep
PX14	86	250	23.90	41.5	26.5	0.0	0.00	331.4	12.0	0.0	0.0	650	07-Sep
PX14	86	251	14.83	37.2	25.7	0.0	0.00	207.0	15.7	0.0	0.0	650	08-Sep
PX14	86	252	20.87	38.5	24.6	0.0	0.00	271.5	3.4	0.0	0.0	650	09-Sep
PX14	86	253	21.10	33.2	19.5	0.0	0.00	260.9	12.9	0.0	0.0	650	10-Sep
PX14	86	254	22.50	34.8	15.5	0.0	0.00	125.0	6.7	0.0	0.0	650	11-Sep
PX14	86	255	17.90	35.7	19.3	0.0	0.00	145.0	9.5	0.0	0.0	650	12-Sep
PX14	86	256	17.80	34.3	20.5	0.0	0.00	157.0	8.2	0.0	0.0	650	13-Sep
PX14	86	257	22.40	35.4	17.6	0.0	0.00	185.0	6.8	0.0	0.0	650	14-Sep
PX14	86	258	20.72	35.5	19.9	0.0	0.00	147.0	8.5	0.0	0.0	650	15-Sep
PX14	86	259	21.20	35.4	16.2	0.0	0.00	136.0	8.0	0.0	0.0	650	16-Sep
PX14	86	260	21.30	34.0	17.5	0.0	0.00	126.0	8.4	0.0	0.0	650	17-Sep
PX14	86	261	20.10	35.2	18.2	0.0	0.00	120.0	8.6	0.0	0.0	650	18-Sep
PX14	86	262	20.80	35.2	18.0	0.0	0.00	112.3	9.7	0.0	0.0	650	19-Sep
PX14	86	263	18.50	35.9	19.9	0.0	0.00	112.3	8.1	0.0	0.0	650	20-Sep
PX14	86	264	7.50	28.7	17.2	0.0	0.00	69.1	11.4	0.0	0.0	650	21-Sep
PX14	86	265	6.60	28.1	20.3	0.0	0.00	112.3	13.3	0.0	0.0	650	22-Sep
PX14	86	266	5.44	25.7	16.2	9.7	0.00	77.8	16.0	0.0	0.0	650	23-Sep
PX14	86	267	18.80	24.4	11.7	0.0	0.00	60.5	10.6	0.0	0.0	650	24-Sep
PX14	86	268	18.60	26.7	13.7	0.5	0.00	65.0	11.3	0.0	0.0	650	25-Sep
PX14	86	269	18.20	29.0	15.7	0.0	0.00	69.1	12.0	0.0	0.0	650	26-Sep
PX14	86	270	21.60	29.6	12.9	0.0	0.00	86.4	11.1	0.0	0.0	650	27-Sep
PX14	86	271	21.30	31.4	14.2	0.0	0.00	95.0	8.9	0.0	0.0	650	28-Sep
PX14	86	272	19.90	30.1	13.5	0.0	0.00	51.8	7.8	0.0	0.0	650	29-Sep
PX14	86	273	20.60	30.0	13.8	0.0	0.00	69.1	8.6	0.0	0.0	650	30-Sep
PX14	86	274	21.20	35.6	13.5	0.0	0.00	250.6	9.4	0.0	0.0	650	01-Oct
PX14	86	275	19.00	29.4	17.1	0.0	0.00	181.4	7.8	0.0	0.0	650	02-Oct
PX14	86	276	17.86	28.3	16.1	0.0	0.00	112.3	7.8	0.0	0.0	650	03-Oct

SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
                               (ALL PLOTS EXCEPT LYSIMETERS & GRAVEL LAYER)

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	0.267E-02	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.172	0.298	0.379	0.298	0.100	1.47	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK	SAND	SILT	CLAY	SCOND	CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042
0.0	36.2	35.1	28.8	7.3	385.0	3.380	1.184	0.379	0.042
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043

DATAID
AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

LYRSOL
1

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.19E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM GH2OC
6   0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM GH2OC
6   0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM GH2OC
6   0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
                                          WITH GRAVEL LAYER (PLOTS 13-16)

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	0.267E-02	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.086	0.149	0.190	0.149	0.050	2.10	0.00	0.0	5.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK		SILT		SCOND					
	SAND		CLAY		CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042
50.0	18.1	17.6	14.4	3.7	193.0	3.380	1.184	0.190	0.021
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043

DATAID
AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

LYRSOL
3

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.10E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.09E-08	0.072	34.0	0.30E+02	0.22	0.13	0.11	0.015	2.90	2.10	1.00
0.18E-08	0.145	34.0	0.60E+02	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM GH2OC
6   0.05

TSTBD   TSTIMP
0.9   0.1
1.1   5.4
1.3   16.2
1.5   36.0
1.7   62.0
1.9   93.0

INRIM GH2OC
6   0.07

TSTBD   TSTIMP
0.9   0.1
1.1   2.5
1.3   7.8
1.5   22.6
1.7   44.5
1.9   71.3

INRIM GH2OC
6   0.09

TSTBD   TSTIMP
0.9   0.1
1.1   1.0
1.3   2.3
1.5   12.8
1.7   30.4
1.9   52.6

INRIM GH2OC
6   0.11

TSTBD   TSTIMP
0.9   0.1
1.1   0.9
1.3   1.7
1.5   7.5
1.7   21.5
1.9   31.2

INRIM	GH2OC
6	0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM	GH2OC
6	0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM	GH2OC
6	0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

FILENAME: PX078601.CT4   SOIL ORGANIC RESIDUE (ALL PLOTS)

```
   ID  TRTNO STRAW SDEP  SCN   ROOT
PX078601 01 4500.   20.   30. 1200.
```

FILENAME: PX078601.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE LOAM
                              (PLOTS 01-12)

```
TRTNO   ID
01 PX078601


        SW        NO3
 DLAYR        NH4        PH
   5.   0.250  0.0 22.7  7.7
   5.   0.317  0.0 22.7  7.7
  10.   0.317  0.0 22.7  7.7
  10.   0.330  0.0 15.0  7.7
  20.   0.295  0.0 10.0  8.0
  20.   0.256  0.0 10.0  8.0
  30.   0.255  0.0 10.0  8.0
  30.   0.240  0.0 10.0  8.0
  30.   0.240  0.0 10.0  8.0
  30.   0.240  0.0 10.0  8.0
  -1.
```

FILENAME: PX168601.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE LOAM
                              WITH GRAVEL LAYER AT 100 TO 130 CM. (PLOTS 13-16)

```
TRTNO   ID
01 PX168601


        SW        NO3
 DLAYR        NH4        PH
   5.   0.250  0.0 22.7  7.7
   5.   0.317  0.0 22.7  7.7
  10.   0.317  0.0 22.7  7.7
  10.   0.330  0.0 15.0  7.7
  20.   0.295  0.0 10.0  8.0
  20.   0.256  0.0 10.0  8.0
  30.   0.255  0.0 10.0  8.0
  30.   0.120  0.0  5.0  8.0
  30.   0.240  0.0 10.0  8.0
  30.   0.240  0.0 10.0  8.0
  -1.
```

TRTNO   ID
01 PX078601

JDIRR	AMTIRR	IRRCOD	X1IRR	X2IRR		
			Z1IRR			Z2IRR
113	23.	5	0.0	0.0	1.0	0.0
133	11.	5	0.0	0.0	1.0	0.0
140	12.	5	0.0	0.0	1.0	0.0
142	13.	5	0.0	0.0	1.0	0.0
147	5.	5	0.0	0.0	1.0	0.0
154	14.	5	0.0	0.0	1.0	0.0
161	35.	5	0.0	0.0	1.0	0.0
168	47.	5	0.0	0.0	1.0	0.0
175	52.	5	0.0	0.0	1.0	0.0
182	64.	5	0.0	0.0	1.0	0.0
189	30.	5	0.0	0.0	1.0	0.0
196	51.	5	0.0	0.0	1.0	0.0
203	49.	5	0.0	0.0	1.0	0.0
210	34.	5	0.0	0.0	1.0	0.0
217	59.	5	0.0	0.0	1.0	0.0
224	48.	5	0.0	0.0	1.0	0.0
231	44.	5	0.0	0.0	1.0	0.0
238	133.	5	0.0	0.0	1.0	0.0
252	0.	5	0.0	0.0	1.0	0.0
259	37.	5	0.0	0.0	1.0	0.0
266	40.	5	0.0	0.0	1.0	0.0
273	21.	5	0.0	0.0	1.0	0.0

-1

FILENAME: <u>PX088601.CT6</u>   IRRIGATION FOR DRY, N+ (PLOTS 06,08,10,&12)

<u>TRTNO   ID</u>
01 PX088601

JDIRR	AMTIRR	IRRCOD	X1IRR Z1IRR	X2IRR	Z2IRR
113	25.	5	0.0 0.0	1.0	0.0
133	7.	5	0.0 0.0	1.0	0.0
140	14.	5	0.0 0.0	1.0	0.0
142	15.	5	0.0 0.0	1.0	0.0
147	6.	5	0.0 0.0	1.0	0.0
154	14.	5	0.0 0.0	1.0	0.0
161	41.	5	0.0 0.0	1.0	0.0
168	30.	5	0.0 0.0	1.0	0.0
175	78.	5	0.0 0.0	1.0	0.0
182	38.	5	0.0 0.0	1.0	0.0
189	44.	5	0.0 0.0	1.0	0.0
196	47.	5	0.0 0.0	1.0	0.0
203	44.	5	0.0 0.0	1.0	0.0
210	38.	5	0.0 0.0	1.0	0.0
217	56.	5	0.0 0.0	1.0	0.0
224	50.	5	0.0 0.0	1.0	0.0
231	43.	5	0.0 0.0	1.0	0.0
238	125.	5	0.0 0.0	1.0	0.0
252	4.	5	0.0 0.0	1.0	0.0
259	39.	5	0.0 0.0	1.0	0.0
266	41.	5	0.0 0.0	1.0	0.0
273	16.	5	0.0 0.0	1.0	0.0
-1					

TRTNO   ID
01 PX028601

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
113	24.	5	0.0	0.0	1.0	0.0
133	12.	5	0.0	0.0	1.0	0.0
140	18.	5	0.0	0.0	1.0	0.0
142	22.	5	0.0	0.0	1.0	0.0
147	6.	5	0.0	0.0	1.0	0.0
154	20.	5	0.0	0.0	1.0	0.0
161	52.	5	0.0	0.0	1.0	0.0
168	66.	5	0.0	0.0	1.0	0.0
175	79.	5	0.0	0.0	1.0	0.0
182	100.	5	0.0	0.0	1.0	0.0
189	59.	5	0.0	0.0	1.0	0.0
196	81.	5	0.0	0.0	1.0	0.0
203	69.	5	0.0	0.0	1.0	0.0
210	64.	5	0.0	0.0	1.0	0.0
217	82.	5	0.0	0.0	1.0	0.0
224	79.	5	0.0	0.0	1.0	0.0
231	66.	5	0.0	0.0	1.0	0.0
238	162.	5	0.0	0.0	1.0	0.0
252	51.	5	0.0	0.0	1.0	0.0
259	52.	5	0.0	0.0	1.0	0.0
266	62.	5	0.0	0.0	1.0	0.0
273	39.	5	0.0	0.0	1.0	0.0
-1						

FILENAME: PX038601.CT6   IRRIGATION FOR WET, N+ (PLOTS 01,03,14,&15)

<u>TRTNO   ID</u>
01 PX038601

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
113	23.	5	0.0	0.0	1.0	0.0
133	14.	5	0.0	0.0	1.0	0.0
140	18.	5	0.0	0.0	1.0	0.0
142	25.	5	0.0	0.0	1.0	0.0
147	3.	5	0.0	0.0	1.0	0.0
154	20.	5	0.0	0.0	1.0	0.0
161	62.	5	0.0	0.0	1.0	0.0
168	53.	5	0.0	0.0	1.0	0.0
175	96.	5	0.0	0.0	1.0	0.0
182	79.	5	0.0	0.0	1.0	0.0
189	74.	5	0.0	0.0	1.0	0.0
196	69.	5	0.0	0.0	1.0	0.0
203	70.	5	0.0	0.0	1.0	0.0
210	66.	5	0.0	0.0	1.0	0.0
217	81.	5	0.0	0.0	1.0	0.0
224	80.	5	0.0	0.0	1.0	0.0
231	59.	5	0.0	0.0	1.0	0.0
238	150.	5	0.0	0.0	1.0	0.0
252	70.	5	0.0	0.0	1.0	0.0
259	60.	5	0.0	0.0	1.0	0.0
266	58.	5	0.0	0.0	1.0	0.0
273	33.	5	0.0	0.0	1.0	0.0
-1						

FILENAME: <u>PX078601.CT7</u>   FERTILIZER MANAGEMENT N-,
(PLOTS 02,04,05,07,09,11,13,&16)

<u>TRTNO ID</u>
01 PX078601

JDFERT	FERTN	DFERT	INTYPE	FERTP	IPTYPE	FERTK	IKTYPE	FERTIN	IITYPE	FERCOD	X1FERT	Z1FERT	X2FERT	Z2FERT
113	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
133	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
140	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
142	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
147	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
154	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
161	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
168	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
175	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
182	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
189	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
196	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
203	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
210	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
217	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
224	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
231	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
238	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
252	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
259	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
266	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
273	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0

-1

FERTILIZER MANAGEMENT N+,
                                    (PLOTS 01,03,06,08,10,12,14,&15)
TRTNO   ID
01 PX088601

JDFERT	FERTN	DFERT	INTYPE	FERTP	IPTYPE	FERTK	IKTYPE	FERTIN	IITYPE	FERCOD	X1FERT Z1FERT	X2FERT Z2FERT
113	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
133	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
140	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
142	0.2	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
147	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
154	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
161	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
168	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
175	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
182	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
189	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
196	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
203	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
210	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
217	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
224	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
231	6.6	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
238	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
252	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
259	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
266	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
273	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0 0.0	1.0 0.0
 -1

FILENAME: PX078601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX078501	01	CO2=350ppm, IRR.=DRY, NIT.=-, REP=#1	1	61

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐								
ISOW		ROWSPC		IIRR	EFFIRR		THETAC						
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE			↓		
100	90	10.00	1.016	5.00	2	1	0.95	0.00	0.0	100	0	0	0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX098601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX098501	01	CO2=350ppm, IRR.=DRY, NIT.=-, REP=#2	1	61

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐								
ISOW		ROWSPC		IIRR	EFFIRR		THETAC						
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE			↓		
100	90	10.00	1.016	5.00	2	1	0.95	0.00	0.0	100	0	0	0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX088601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX088501	01	CO2=350ppm, IRR.=DRY, NIT.=+, REP=#1	1	61

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐								
ISOW		ROWSPC		IIRR	EFFIRR		THETAC						
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE			↓		
100	90	10.00	1.016	5.00	2	1	0.95	0.00	0.0	100	0	0	0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: __PX108601.CT8__   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX108501	01	CO2=350ppm, IRR.=DRY, NIT.=+, REP=#2	1	61

```
                        (ISWEED, ISWINS, ISWNEM & ISWDIS) options┐
       ISOW         ROWSPC      IIRR     EFFIRR      THETAC       │
ISIM      PLANTS         SDEPTH  ISWNIT      DSOIL        IMERGE  ↓
 100   90  10.00  1.016  5.00  2  1    0.95   0.00     0.0 100  0  0  0  0
```

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: __PX028601.CT8__   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX028501	01	CO2=350ppm, IRR.=WET, NIT.=-, REP=#1	1	61

```
                        (ISWEED, ISWINS, ISWNEM & ISWDIS) options┐
       ISOW         ROWSPC      IIRR     EFFIRR      THETAC       │
ISIM      PLANTS         SDEPTH  ISWNIT      DSOIL        IMERGE  ↓
 100   90  10.00  1.016  5.00  2  1    0.95   0.00     0.0 100  0  0  0  0
```

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: __PX168601.CT8__   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX168501	01	CO2=350ppm, IRR.=WET, NIT.=-, REP=#2	1	61

```
                        (ISWEED, ISWINS, ISWNEM & ISWDIS) options┐
       ISOW         ROWSPC      IIRR     EFFIRR      THETAC       │
ISIM      PLANTS         SDEPTH  ISWNIT      DSOIL        IMERGE  ↓
 100   90  10.00  1.016  5.00  2  1    0.95   0.00     0.0 100  0  0  0  0
```

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX038601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX038501	01	CO2=350ppm, IRR.=WET, NIT.=+, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options					
ISOW		ROWSPC	IIRR	EFFIRR	THETAC			
ISIM	PLANTS		SDEPTH ISWNIT	DSOIL	IMERGE			
100	90	10.00	1.016 5.00 2 1	0.95 0.00	0.0 100	0	0 0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX158601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX158501	01	CO2=350ppm, IRR.=WET, NIT.=+, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options					
ISOW		ROWSPC	IIRR	EFFIRR	THETAC			
ISIM	PLANTS		SDEPTH ISWNIT	DSOIL	IMERGE			
100	90	10.00	1.016 5.00 2 1	0.95 0.00	0.0 100	0	0 0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX058601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX058501	01	CO2=650ppm, IRR.=DRY, NIT.=-, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options					
ISOW		ROWSPC	IIRR	EFFIRR	THETAC			
ISIM	PLANTS		SDEPTH ISWNIT	DSOIL	IMERGE			
100	90	10.00	1.016 5.00 2 1	0.95 0.00	0.0 100	0	0 .0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX118601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX118501	01	CO2=650ppm, IRR.=DRY, NIT.=-, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options								
ISOW		ROWSPC		IIRR	EFFIRR		THETAC					
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE				
100	90	10.00	1.016	5.00	2	1	0.95	0.00	0.0	100	0	0	0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX068601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX068501	01	CO2=650ppm, IRR.=DRY, NIT.=+, REP=#1	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options								
ISOW		ROWSPC		IIRR	EFFIRR		THETAC					
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE				
100	90	10.00	1.016	5.00	2	1	0.95	0.00	0.0	100	0	0	0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX128601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX128501	01	CO2=650ppm, IRR.=DRY, NIT.=+, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options								
ISOW		ROWSPC		IIRR	EFFIRR		THETAC					
ISIM	PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE				
100	90	10.00	1.016	5.00	2	1	0.95	0.00	0.0	100	0	0	0	0

HISTORY

SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX048601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX048501	01	CO2=650ppm, IRR.-WET, NIT.=-, REP=#1	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC			
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE		
100	90	10.00 1.016	5.00 2	1 0.95 0.00	0.0 100	0 0	0	0

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX138601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX138501	01	CO2=650ppm, IRR.-WET, NIT.=-, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC			
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE		
100	90	10.00 1.016	5.00 2	1 0.95 0.00	0.0 100	0 0	0	0

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX018601.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX018501	01	CO2=650ppm, IRR.-WET, NIT.=+, REP=#1	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC			
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE		
100	90	10.00 1.016	5.00 2	1 0.95 0.00	0.0 100	0 0	0	0

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: __PX148601.CT8__   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX148501	01	CO2=650ppm, IRR.=WET, NIT.=+, REP=#2	1	61

				(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐								
ISIM	ISOW	PLANTS	ROWSPC	SDEPTH	IIRR ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE	↓		

ISIM	ISOW	PLANTS	ROWSPC	SDEPTH	IIRR	ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE			
100	90	10.00	1.016	5.00	2	1	0.95	0.00	0.0	100	0	0	0 0

_____HISTORY_____
SAME SITE AS PREVIOUS YEAR, FALLOW OVER WINTER.

FILENAME: PX078601.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N-, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX078601	01	1110.	1880.	0.1060	82.	21.	2.0	8160.	3798.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX098601.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N-, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX098601	01	1120.	1700.	0.1000	81.	21.	3.5	8050.	3751.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX088601.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N+, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX088601	01	1080.	2800.	0.1050	82.	21.	2.8	7800.	3481.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX108601.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N+, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX108601	01	900.	1410.	0.1000	65.	21.	2.2	7550.	3538.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX028601.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N-, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX028601	01	1570.	2540.	0.1000	101.	25.	3.4	10500.	4795.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX168601.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N-, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX168601	01	1500.	2290.	0.1100	91.	25.	3.3	8840.	3999.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX038601.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N+, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX038601	01	1650.	2730.	0.1040	106.	25.	6.6	11830.	6244.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX158601.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N+, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX158601	01	1680.	2710.	0.1100	99.	25.	4.3	10980.	4951.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX058601.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N-, REP #1)

    ID TRTNO XLTYLD XSDYLD XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX058601 01   1680.   2530. 0.1070 120. 20.   3.1 12840. 6079.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00 -9.0 -9.0 -9.0

FILENAME: PX118601.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N-, REP #2)

    ID TRTNO XLTYLD XSDYLD XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX118601 01   1900.   2750. 0.1070 132. 19.   3.1 12830. 6516.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00 -9.0 -9.0 -9.0

FILENAME: PX068601.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N+, REP #1)

    ID TRTNO XLTYLD XSDYLD XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX068601 01   2080.   3120. 0.1070 141. 21.   2.9 13550. 6398.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00 -9.0 -9.0 -9.0

FILENAME: PX128601.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N+, REP #2)

    ID TRTNO XLTYLD XSDYLD XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX128601 01   2770.   2850. 0.1030 137. 13.   2.9 13630. 6374.

 XSDTN XTOTNP XAPTNP XSDN
 -9.00 -9.0 -9.0 -9.0

FILENAME: PX048601.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, N-, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX048601	01	2500.	4130.	0.1150	149.	24.	5.6	16980.	7557.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX138601.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, N-, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX138601	01	2020.	3390.	0.1030	123.	27.	2.6	15160.	6661.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX018601.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, N+, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX018601	01	2540.	3910.	0.1080	156.	23.	3.9	17010.	8100.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX148601.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, N+, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX148601	01	2550.	4010.	0.1050	153.	25.	4.1	16570.	7590.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: <u>PX078601.CTB</u>   MEASURED INTERMEDIATE GROWTH DATA
                                      (AMBIENT, DRY, N-, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX078601	01 100	136	160

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.06	38	0	0	0	0	0	22.	9.	3.	0.	0.
128	-9.	0.06	50	0	0	0	0	0	100.	73.	57.	0.	0.
137	-9.	0.13	68	6	0	0	0	0	99.	60.	31.	0.	0.
154	19.	0.25	108	65	0	0	0	10	190.	148.	49.	0.	0.
168	34.	0.81	133	83	9	23	0	43	486.	408.	132.	139.	0.
182	36.	1.24	173	37	2	67	0	107	850.	570.	-9.	1232.	0.
196	36.	0.90	180	13	1	40	0	33	640.	412.	-9.	1309.	0.
210	53.	1.93	247	127	3	93	13	250	1436.	1266.	-9.	1219.	648.
231	58.	2.00	280	78	4	60	48	355	1460.	1411.	-9.	2187.	2476.
276	59.	-9.00	-9	-9	-9	57	82	-9	-9.	-9.	533.	1374.	3867.

-1

FILENAME: <u>PX098601.CTB</u>   MEASURED INTERMEDIATE GROWTH DATA
                                      (AMBIENT, DRY, N-, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX098601	01 100	136	160

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.07	39	0	0	0	0	0	25.	11.	4.	0.	0.
128	-9.	0.09	57	0	0	0	0	0	98.	55.	36.	0.	0.
137	-9.	0.24	80	13	0	0	0	0	212.	137.	63.	0.	0.
161	28.	0.38	127	90	5	10	0	27	269.	298.	410.	0.	0.
175	33.	1.20	153	30	5	30	0	127	685.	421.	-9.	710.	0.
189	44.	1.24	203	110	0	123	1	127	915.	693.	-9.	1377.	0.
203	55.	2.92	237	153	2	83	7	63	1152.	1125.	-9.	721.	253.
217	52.	1.03	220	10	3	87	10	213	857.	940.	-9.	1602.	307.
245	82.	3.54	323	510	3	35	108	733	2457.	3319.	-9.	367.	4117.
276	58.	-9.00	-9	-9	-9	75	81	-9	-9.	-9.	700.	1492.	3613.

-1

FILENAME: PX088601.CTB   MEASURED INTERMEDIATE GROWTH DATA
                           (AMBIENT, DRY, N+, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX088601	01	100	136 156

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.04	30	0	0	0	0	0	16.	6.	3.	0.	0.
128	-9.	0.06	53	0	0	0	0	0	78.	55.	39.	0.	0.
137	-9.	0.19	76	10	0	0	0	0	138.	84.	34.	0.	0.
154	27.	0.44	121	88	0	0	0	7	248.	214.	69.	0.	0.
168	41.	0.90	150	97	8	33	0	43	584.	577.	189.	287.	0.
182	46.	1.36	180	63	2	57	0	103	793.	651.	-9.	722.	0.
196	48.	1.80	207	173	0	37	3	63	1211.	1092.	-9.	927.	226.
210	58.	2.82	260	120	2	107	40	243	2031.	1415.	-9.	1419.	2202.
231	55.	1.54	280	153	0	28	63	143	1192.	1167.	-9.	3038.	2935.
276	60.	-9.00	-9	-9	-9	54	81	-9	-9.	-9.	434.	1436.	3763.

-1

FILENAME: PX108601.CTB   MEASURED INTERMEDIATE GROWTH DATA
                           (AMBIENT, DRY, N+, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX108601	01	100	136 156

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.07	37	0	0	0	0	0	27.	11.	3.	0.	0.
128	-9.	0.07	50	0	0	0	0	0	157.	113.	99.	0.	0.
137	-9.	0.08	46	5	0	0	0	0	79.	42.	23.	0.	0.
161	-9.	0.88	143	137	4	33	0	23	629.	786.	221.	0.	0.
175	31.	0.77	140	47	2	23	0	43	455.	317.	-9.	244.	0.
189	50.	1.81	190	93	0	117	0	93	1008.	727.	-9.	958.	0.
203	54.	2.20	227	220	5	87	17	93	1339.	1410.	-9.	819.	825.
217	57.	0.89	243	27	3	57	20	247	731.	960.	-9.	1011.	935.
245	72.	1.84	330	220	4	20	65	605	2279.	1705.	-9.	339.	2763.
276	66.	-9.00	-9	-9	-9	68	65	-9	-9.	-9.	595.	1428.	3014.

-1

MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, WET, N-, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX028601	01	100	134	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.05	34	0	0	0	0	0	19.	8.	4.	0.	0.
128	-9.	0.10	58	0	0	0	0	0	117.	81.	64.	0.	0.
137	-9.	0.14	68	7	0	0	0	0	98.	64.	30.	0.	0.
154	32.	0.57	138	128	0	0	0	8	354.	340.	227.	0.	0.
168	39.	1.32	160	97	5	60	0	83	821.	697.	277.	645.	0.
182	44.	1.58	190	63	6	70	0	147	894.	666.	-9.	52.	0.
196	50.	1.81	190	93	0	43	0	77	1148.	1024.	-9.	94.	0.
210	67.	3.08	297	240	1	97	27	133	1741.	1809.	-9.	88.	1052.
231	74.	3.42	288	103	5	115	45	228	2133.	2045.	-9.	22.	2054.
276	67.	-9.00	-9	-9	-9	56	101	-9	-9.	-9.	524.	1590.	5231.

-1

MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, WET, N-, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX168601	01	100	134	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.02	31	0	0	0	0	0	19.	7.	3.	0.	0.
128	-9.	0.07	51	0	0	0	0	0	101.	65.	47.	0.	0.
137	-9.	0.17	72	7	0	0	0	0	150.	101.	42.	0.	0.
161	38.	0.99	143	133	3	13	0	20	527.	609.	201.	0.	0.
175	48.	1.71	173	73	3	77	0	50	892.	804.	-9.	721.	0.
189	51.	2.88	223	40	0	97	0	157	1571.	1087.	-9.	3098.	0.
203	48.	2.05	217	113	2	83	27	63	1345.	972.	-9.	1966.	359.
217	66.	2.34	267	130	3	63	40	183	1345.	1447.	-9.	856.	2011.
245	80.	3.30	333	218	1	100	63	448	2379.	2499.	-9.	1642.	3440.
276	71.	-9.00	-9	-9	-9	50	91	-9	-9.	-9.	548.	1215.	4869.

-1

FILENAME: PX038601.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, WET, N+, REP #1)

	TRTNO		JSQRJD	
ID		JEMRGD		JFLRJD
PX038601	01	100	136	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.06	39	0	0	0	0	0	23.	9.	5.	0.	0.
128	-9.	0.09	67	0	0	0	0	0	108.	72.	58.	0.	0.
137	-9.	0.15	74	14	0	0	0	0	135.	84.	38.	0.	0.
154	28.	0.71	130	111	0	0	0	7	346.	298.	117.	0.	0.
168	47.	1.82	177	210	6	73	0	150	1083.	1134.	297.	444.	0.
182	52.	2.59	193	107	3	90	0	137	1328.	1073.	-9.	1641.	0.
196	54.	2.68	220	103	1	87	7	100	1449.	1180.	-9.	3046.	355.
210	66.	2.38	273	210	4	97	23	127	1525.	1643.	-9.	1086.	1093.
231	76.	6.64	308	85	3	100	95	450	3193.	3016.	-9.	3426.	5239.
276	68.	-9.00	-9	-9	-9	60	106	-9	-9.	-9.	651.	1308.	5541.
-1													

FILENAME: PX158601.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, WET, N+, REP #2)

	TRTNO		JSQRJD	
ID		JEMRGD		JFLRJD
PX158601	01	100	136	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.04	31	0	0	0	0	0	23.	9.	3.	0.	0.
128	-9.	0.05	47	0	0	0	0	0	137.	108.	98.	0.	0.
137	-9.	0.18	73	6	0	0	0	0	150.	95.	37.	0.	0.
161	36.	0.86	153	193	4	13	0	23	621.	723.	216.	0.	0.
175	47.	1.76	203	200	6	63	0	50	1105.	871.	291.	461.	0.
189	0.	2.46	213	50	1	83	0	110	1360.	948.	-9.	1887.	0.
203	49.	2.48	213	90	2	60	7	123	1241.	845.	-9.	2193.	708.
217	66.	3.01	270	190	2	110	30	213	2298.	1890.	-9.	2030.	1717.
245	82.	4.33	338	285	5	153	113	440	2903.	3785.	-9.	2299.	5848.
276	68.	-9.00	-9	-9	-9	68	99	-9	-9.	-9.	872.	1646.	5470.
-1													

FILENAME: PX058601.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, N-, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX058601	01	100 136	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.05	38	0	0	0	0	0	21.	12.	4.	0.	0.
128	-9.	0.08	55	0	0	0	0	0	100.	58.	39.	0.	0.
137	-9.	0.11	65	5	0	0	0	0	152.	89.	33.	0.	0.
154	30.	0.35	112	74	0	0	0	14	275.	294.	103.	0.	0.
168	41.	0.78	147	143	10	30	0	27	552.	664.	226.	150.	0.
182	58.	3.07	180	53	5	47	0	135	1299.	1295.	-9.	744.	0.
196	66.	2.17	287	253	1	50	7	77	1718.	1865.	-9.	1583.	296.
210	66.	2.12	253	137	7	127	23	187	1643.	1781.	-9.	1751.	832.
231	71.	2.16	258	38	2	103	75	488	1517.	2355.	-9.	3292.	3248.
276	68.	-9.00	-9	-9	-9	111	123	-9	-9.	-9.	821.	2553.	5728.

-1

FILENAME: PX118601.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, N-, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX118601	01	100 136	160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.03	27	0	0	0	0	0	15.	6.	11.	0.	0.
128	-9.	0.10	60	0	0	0	0	0	252.	208.	197.	0.	0.
137	-9.	0.16	74	8	0	0	0	0	114.	66.	360.	0.	0.
161	48.	1.12	160	277	6	13	0	33	902.	1115.	387.	0.	0.
175	45.	1.06	160	60	10	73	0	113	798.	664.	-9.	62.	0.
189	56.	1.69	223	110	1	83	0	130	1118.	1004.	-9.	83.	0.
203	59.	2.02	200	143	4	93	7	120	1417.	1726.	-9.	58.	357.
217	73.	1.60	247	60	8	120	33	200	1425.	2030.	-9.	68.	1711.
245	84.	3.08	315	375	1	48	115	455	1452.	3370.	-9.	00.	4711.
276	67.	-9.00	-9	-9	-9	88	132	-9	-9.	-9.	1770.	1672.	6274.

-1

FILENAME: PX068601.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=650, DRY, N+, REP #1)
          TRTNO   JSQRJD
     ID   JEMRGD   JFLRJD
PX068601 01 100   134   160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.07	37	0	0	0	0	0	25.	11.	4.	0.	0.
128	-9.	0.10	58	0	0	0	0	0	129.	70.	50.	0.	0.
137	-9.	0.16	70	18	0	0	0	0	131.	74.	25.	0.	0.
154	39.	0.23	128	128	1	3	0	20	406.	409.	129.	0.	0.
168	51.	1.36	160	253	10	67	0	40	1260.	1333.	400.	332.	0.
182	50.	1.75	197	70	3	97	0	157	1209.	981.	-9.	1878.	0.
196	56.	1.82	210	220	0	37	0	73	1274.	1376.	-9.	831.	0.
210	66.	2.93	257	297	9	177	147	293	2154.	2728.	-9.	1675.	1913.
231	65.	2.58	260	105	2	93	60	318	1727.	2142.	-9.	3110.	2814.
276	66.	-9.00	-9	-9	-9	90	141	-9	-9.	-9.	994.	1953.	6903.

-1

FILENAME: PX128601.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=650, DRY, N+, REP #2)
          TRTNO   JSQRJD
     ID   JEMRGD   JFLRJD
PX128601 01 100   134   160

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.05	30	0	0	0	0	0	17.	7.	10.	0.	0.
128	-9.	0.05	53	0	0	0	0	0	94.	67.	53.	0.	0.
137	-9.	0.19	83	23	0	0	0	0	150.	96.	57.	0.	0.
161	41.	0.77	147	173	5	17	0	7	611.	1411.	379.	0.	0.
175	58.	1.26	173	120	9	73	0	67	842.	1076.	-9.	648.	0.
189	62.	2.85	170	93	0	97	0	207	1756.	1500.	-9.	3775.	0.
203	62.	2.42	240	207	4	63	17	160	1633.	1852.	-9.	1735.	1296.
217	77.	1.46	257	100	7	97	50	420	1348.	2187.	-9.	1711.	2229.
245	90.	2.77	323	238	6	73	113	315	1964.	2937.	-9.	1338.	4895.
276	79.	-9.00	-9	-9	-9	103	137	-9	-9.	-9.	833.	2627.	6360.

-1

FILENAME: <u>PX048601.CTB</u>   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, WET, N-, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX048601	01	100	134	160

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.06	39	0	0	0	0	0	31.	14.	5.	0.	0.
128	-9.	0.05	55	0	0	0	0	0	94.	57.	42.	0.	0.
137	-9.	0.23	73	25	0	0	0	0	223.	120.	53.	0.	0.
154	41.	0.77	136	185	0	0	0	10	492.	554.	160.	0.	0.
168	52.	1.22	173	263	15	50	0	33	896.	1250.	416.	313.	0.
182	59.	2.57	203	67	6	143	0	223	1667.	1766.	-9.	2928.	0.
196	60.	2.68	200	137	0	147	3	83	1854.	1655.	-9.	4568.	98.
210	60.	2.37	253	117	3	93	37	230	1877.	1835.	-9.	3864.	2045.
231	85.	5.64	273	70	4	230	163	508	3520.	5138.	-9.	4272.	8201.
276	79.	-9.00	-9	-9	-9	99	149	-9	-9.	-9.	844.	2392.	8407.
-1

FILENAME: <u>PX138601.CTB</u>   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, WET, N-, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX138601	01	100	134	160

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.05	37	0	0	0	0	0	21.	9.	3.	0.	0.
128	-9.	0.07	50	0	0	0	0	0	88.	59.	41.	0.	0.
137	-9.	0.18	72	15	0	0	0	0	116.	73.	30.	0.	0.
161	47.	1.33	160	223	7	10	0	37	906.	1183.	390.	0.	0.
175	54.	2.31	180	227	4	160	0	157	1569.	1727.	-9.	1416.	0.
189	60.	2.49	187	50	0	50	0	187	1541.	1368.	-9.	3157.	0.
203	59.	1.42	197	69	1	37	27	70	1178.	1057.	-9.	1388.	1544.
217	70.	1.97	230	120	2	3	77	213	2105.	1863.	-9.	1.	4195.
245	102.	2.64	323	343	8	103	95	700	2494.	4076.	-9.	1107.	5315.
276	75.	-9.00	-9	-9	-9	104	122	-9	-9.	-9.	874.	3016.	7031.
-1

FILENAME: PX018601.CTB   MEASURED INTERMEDIATE GROWTH DATA
                             (CO2=650, WET, N+, REP #1)

	TRTNO	JSQRJD	
ID		JEMRGD	JFLRJD
PX018601	01	100	134	158

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.05	34	0	0	0	0	0	20.	8.	5.	0.	0.
128	-9.	0.07	54	0	0	0	0	0	117.	076.	48.	0.	0.
137	-9.	0.21	80	27	0	0	0	0	250.	137.	62.	0.	0.
154	44.	1.00	152	260	0	0	0	13	826.	869.	329.	0.	0.
168	44.	1.01	153	187	12	37	0	43	707.	844.	214.	217.	0.
182	56.	3.28	200	127	4	183	0	233	2099.	1965.	3470.	3470.	0.
196	67.	3.77	203	60	0	106	0	97	2377.	2277.	6427.	6427.	0.
210	71.	2.31	243	147	8	123	40	257	1856.	2501.	-9.	3277.	1623.
231	82.	3.92	295	255	4	118	123	363	2833.	3624.	-9.	1067.	7165.
276	81.	-9.00	-9	-9	-9	96	156	-9	-9.	-9.	953.	2467.	8305.
-1

FILENAME: PX148601.CTB   MEASURED INTERMEDIATE GROWTH DATA
                             (CO2=650, WET, N+, REP #2)

	TRTNO	JSQRJD	
ID		JEMRGD	JFLRJD
PX148601	01	100	134	158

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
121	-9.	0.07	42	0	0	0	0	0	25.	12.	4.	0.	0.
128	-9.	0.07	54	0	0	0	0	0	131.	100.	36.	0.	0.
137	-9.	0.09	60	3	0	0	0	0	57.	32.	13.	0.	0.
161	51.	2.36	167	383	10	60	0	30	1567.	2378.	566.	0.	0.
175	55.	3.63	173	290	8	167	0	70	1758.	2013.	-9.	1547.	0.
189	65.	2.43	193	47	0	57	0	140	1265.	1300.	-9.	2740.	0.
203	63.	4.09	247	187	0	80	17	87	1611.	2019.	-9.	2875.	724.
217	76.	3.35	250	153	2	77	47	153	2086.	1908.	-9.	3290.	2752.
245	89.	2.86	305	185	5	105	160	288	1993.	4235.	-9.	1580.	8392.
276	77.	-9.00	-9	-9	-9	97	153	-9	-9.	-9.	1188.	2406.	8304.
-1

FILENAME: CTEXP87.DIR   EXPERIMENT FILE DIRECTORY FOR 1987

 EXPID , EXPERIMENT DESCRIPTION,   WEATHER FILE, SOIL FILE,
SOIL NITR., INITIAL SOIL, IRRIGATION, NITR. FERT, CROP MANAGMENT, GENETICS,
FINAL HARVEST, INTER GROWTH, OUTPUT 1, OUTPUT 2, OUTPUT 3, OUTPUT 4

PX078701 1987, CO2=AMBIENT,IRG=DRY,NIT=-,REP=1   PX070407.W87 AVONDALE.CT2
PX078701.CT4 PX078701.CT5 PX078701.CT6 PX078701.CT7 PX078701.CT8 GENETICS.CT9
PX078701.CTA PX078701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX098701 1987, CO2=AMBIENT,IRG=DRY,NIT=-,REP=2   PX090407.W87 AVONDALE.CT2
PX078701.CT4 PX098701.CT5 PX078701.CT6 PX078701.CT7 PX098701.CT8 GENETICS.CT9
PX098701.CTA PX098701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX088701 1987, CO2=AMBIENT,IRG=DRY,NIT=+,REP=1   PX080407.W87 AVONDALE.CT2
PX078701.CT4 PX088701.CT5 PX088701.CT6 PX088701.CT7 PX088701.CT8 GENETICS.CT9
PX088701.CTA PX088701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX108701 1987, CO2=AMBIENT,IRG=DRY,NIT=+,REP=2   PX100407.W87 AVONDALE.CT2
PX078701.CT4 PX108701.CT5 PX088701.CT6 PX088701.CT7 PX108701.CT8 GENETICS.CT9
PX108701.CTA PX108701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX028701 1987, CO2=AMBIENT,IRG=WET,NIT=-,REP=1   PX020407.W87 AVONDALE.CT2
PX078701.CT4 PX028701.CT5 PX028701.CT6 PX078701.CT7 PX028701.CT8 GENETICS.CT9
PX028701.CTA PX028701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX168701 1987, CO2=AMBIENT,IRG=WET,NIT=-,REP=2   PX160407.W87 AVONGRAV.CT2
PX078701.CT4 PX168701.CT5 PX028701.CT6 PX078701.CT7 PX168701.CT8 GENETICS.CT9
PX168701.CTA PX168701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX038701 1987, CO2=AMBIENT,IRG=WET,NIT=+,REP=1   PX030407.W87 AVONDALE.CT2
PX078701.CT4 PX038701.CT5 PX038701.CT6 PX088701.CT7 PX038701.CT8 GENETICS.CT9
PX038701.CTA PX038701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX158701 1987, CO2=AMBIENT,IRG=WET,NIT=+,REP=2   PX150407.W87 AVONGRAV.CT2
PX078701.CT4 PX158701.CT5 PX038701.CT6 PX088701.CT7 PX158701.CT8 GENETICS.CT9
PX158701.CTA PX158701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX058701 1987, CO2= 650,IRG=DRY,NIT=-,REP=1   PX050407.W87 AVONDALE.CT2
PX078701.CT4 PX058701.CT5 PX078701.CT6 PX078701.CT7 PX058701.CT8 GENETICS.CT9
PX058701.CTA PX058701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

PX118701 1987, CO2= 650,IRG=DRY,NIT=-,REP=2   PX110407.W87 AVONDALE.CT2
PX078701.CT4 PX118701.CT5 PX078701.CT6 PX078701.CT7 PX118701.CT8 GENETICS.CT9
PX118701.CTA PX118701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT

```
PX068701 1987, CO2- 650,IRG-DRY,NIT-+,REP-1      PX060407.W87 AVONDALE.CT2
PX078701.CT4 PX068701.CT5 PX088701.CT6 PX088701.CT7 PX068701.CT8 GENETICS.CT9
PX068701.CTA PX068701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX128701 1987, CO2- 650,IRG-DRY,NIT-+,REP-2      PX120407.W87 AVONDALE.CT2
PX078701.CT4 PX128701.CT5 PX088701.CT6 PX088701.CT7 PX128701.CT8 GENETICS.CT9
PX128701.CTA PX128701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX048701 1987, CO2- 650,IRG-WET,NIT--,REP-1      PX040407.W87 AVONDALE.CT2
PX078701.CT4 PX048701.CT5 PX028701.CT6 PX078701.CT7 PX048701.CT8 GENETICS.CT9
PX048701.CTA PX048701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX138701 1987, CO2- 650,IRG-WET,NIT--,REP-2      PX130407.W87 AVONGRAV.CT2
PX078701.CT4 PX138701.CT5 PX028701.CT6 PX078701.CT7 PX138701.CT8 GENETICS.CT9
PX138701.CTA PX138701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX018701 1987, CO2- 650,IRG-WET,NIT-+,REP-1      PX010407.W87 AVONDALE.CT2
PX078701.CT4 PX018701.CT5 PX038701.CT6 PX088701.CT7 PX018701.CT8 GENETICS.CT9
PX018701.CTA PX018701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT


PX148701 1987, CO2- 650,IRG-WET,NIT-+,REP-2      PX140407.W87 AVONGRAV.CT2
PX078701.CT4 PX148701.CT5 PX038701.CT6 PX088701.CT7 PX148701.CT8 GENETICS.CT9
PX148701.CTA PX148701.CTB OUT1.CT OUT2.CT OUT3.CT OUT4.CT
```

FILENAME: WTH87.DIR   WEATHER FILE DIRECTORY FOR 1987

WTHID	WEATHER STATION DESCRIPTION	BEGDATE	ENDDATE	WEATHER FILE
PX07	PHOENIX,AZ,AMB. CO2, IRG-DRY, N-, REP-1	04/02/87	10/10/87	PX070407.W87
PX09	PHOENIX,AZ,AMB. CO2, IRG-DRY, N-, REP-2	04/02/87	10/10/87	PX090407.W87
PX08	PHOENIX,AZ,AMB. CO2, IRG-DRY, N+, REP-1	04/02/87	10/10/87	PX080407.W87
PX10	PHOENIX,AZ,AMB. CO2, IRG-DRY, N+, REP-2	04/02/87	10/10/87	PX100407.W87
PX02	PHOENIX,AZ,AMB. CO2, IRG-WET, N-, REP-1	04/02/87	10/10/87	PX020407.W87
PX16	PHOENIX,AZ,AMB. CO2, IRG-WET, N-, REP-2	04/02/87	10/10/87	PX160407.W87
PX03	PHOENIX,AZ,AMB. CO2, IRG-WET, N+, REP-1	04/02/87	10/10/87	PX030407.W87
PX15	PHOENIX,AZ,AMB. CO2, IRG-WET, N+, REP-2	04/02/87	10/10/87	PX150407.W87
PX05	PHOENIX,AZ,CO2- 650, IRG-DRY, N-, REP-1	04/02/87	10/10/87	PX050407.W87
PX11	PHOENIX,AZ,CO2- 650, IRG-DRY, N-, REP-2	04/02/87	10/10/87	PX110407.W87
PX06	PHOENIX,AZ,CO2- 650, IRG-DRY, N+, REP-1	04/02/87	10/10/87	PX060407.W87
PX12	PHOENIX,AZ,CO2- 650, IRG-DRY, N+, REP-2	04/02/87	10/10/87	PX120407.W87
PX04	PHOENIX,AZ,CO2- 650, IRG-WET, N-, REP-1	04/02/87	10/10/87	PX040407.W87
PX13	PHOENIX,AZ,CO2- 650, IRG-WET, N-, REP-2	04/02/87	10/10/87	PX130407.W87
PX01	PHOENIX,AZ,CO2- 650, IRG-WET, N+, REP-1	04/02/87	10/10/87	PX010407.W87
PX14	PHOENIX,AZ,CO2- 650, IRG-WET, N+, REP-2	04/02/87	10/10/87	PX140407.W87

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX07	33.40	112.00	2.30	0 1 1 0 1					350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX07	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX07	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX07	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX07	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX07	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX07	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX07	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX07	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX07	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX07	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX07	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX07	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX07	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX07	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX07	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX07	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX07	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX07	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX07	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX07	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX07	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX07	87 114	28.10	36.1	15.9	0.0	0.00	121.0	4.8	0.0	0.0	350	24-Apr
PX07	87 115	28.10	35.8	20.2	0.0	0.00	172.8	7.0	0.0	0.0	350	25-Apr
PX07	87 116	28.10	37.5	20.5	0.0	0.00	155.5	7.3	0.0	0.0	350	26-Apr
PX07	87 117	22.30	35.3	21.5	0.0	0.00	224.6	8.9	0.0	0.0	350	27-Apr
PX07	87 118	28.00	36.0	19.6	0.0	0.00	224.6	8.5	0.0	0.0	350	28-Apr
PX07	87 119	22.40	36.3	21.8	0.0	0.00	164.2	8.4	0.0	0.0	350	29-Apr
PX07	87 120	24.00	34.0	20.6	0.3	0.00	164.2	9.9	0.0	0.0	350	30-Apr
PX07	87 121	29.10	31.4	13.6	0.0	0.00	155.5	8.1	0.0	0.0	350	01-May
PX07	87 122	25.80	30.4	16.9	0.0	0.00	129.6	3.8	0.0	0.0	350	02-May
PX07	87 123	29.50	34.0	13.9	0.0	0.00	95.0	3.8	0.0	0.0	350	03-May
PX07	87 124	29.70	36.3	14.7	0.0	0.00	77.8	2.7	0.0	0.0	350	04-May
PX07	87 125	29.10	38.0	16.0	0.0	0.00	66.5	4.8	0.0	0.0	350	05-May
PX07	87 126	29.30	37.8	20.6	0.0	0.00	155.5	8.6	0.0	0.0	350	06-May
PX07	87 127	28.10	36.8	24.0	0.0	0.00	172.8	10.0	0.0	0.0	350	07-May
PX07	87 128	29.30	36.0	22.1	0.0	0.00	164.2	8.8	0.0	0.0	350	08-May
PX07	87 129	29.50	37.7	19.7	0.0	0.00	86.4	8.4	0.0	0.0	350	09-May
PX07	87 130	27.30	37.5	23.3	0.0	0.00	103.7	11.2	0.0	0.0	350	10-May
PX07	87 131	29.10	37.6	19.8	1.5	0.00	95.0	12.1	0.0	0.0	350	11-May
PX07	87 132	28.50	39.7	25.7	0.0	0.00	129.6	8.2	0.0	0.0	350	12-May
PX07	87 133	28.90	40.6	21.6	0.0	0.00	138.2	8.6	0.0	0.0	350	13-May
PX07	87 134	25.60	40.6	25.0	0.0	0.00	164.2	11.4	0.0	0.0	350	14-May
PX07	87 135	24.00	38.4	21.5	0.3	0.00	181.4	13.3	0.0	0.0	350	15-May
PX07	87 136	28.10	37.3	20.4	0.0	0.00	86.4	10.6	0.0	0.0	350	16-May
PX07	87 137	29.10	38.7	20.5	0.0	0.00	121.0	8.4	0.0	0.0	350	17-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	87 138	29.30	38.7	22.1	0.0	0.00	190.1	6.7	0.0	0.0	350	18-May
PX07	87 139	24.40	36.1	21.7	0.0	0.00	172.8	5.6	0.0	0.0	350	19-May
PX07	87 140	26.40	35.5	20.5	0.0	0.00	233.3	9.5	0.0	0.0	350	20-May
PX07	87 141	29.50	32.5	16.8	0.0	0.00	138.2	12.0	0.0	0.0	350	21-May
PX07	87 142	29.30	35.8	16.4	0.0	0.00	121.0	7.0	0.0	0.0	350	22-May
PX07	87 143	31.20	36.6	16.9	0.0	0.00	146.9	-0.9	0.0	0.0	350	23-May
PX07	87 144	28.30	35.2	16.9	0.0	0.00	129.6	-0.0	0.0	0.0	350	24-May
PX07	87 145	23.10	33.7	17.4	0.0	0.00	198.7	1.9	0.0	0.0	350	25-May
PX07	87 146	30.10	29.0	13.4	0.0	0.00	164.2	1.1	0.0	0.0	350	26-May
PX07	87 147	29.90	30.7	13.1	0.0	0.00	112.3	1.5	0.0	0.0	350	27-May
PX07	87 148	30.10	33.6	16.3	0.0	0.00	121.0	1.7	0.0	0.0	350	28-May
PX07	87 149	30.40	35.0	16.6	0.0	0.00	121.0	4.5	0.0	0.0	350	29-May
PX07	87 150	30.80	38.0	17.7	0.0	0.00	103.7	2.9	0.0	0.0	350	30-May
PX07	87 151	31.40	39.6	18.7	0.0	0.00	129.6	3.4	0.0	0.0	350	31-May
PX07	87 152	31.40	40.8	22.0	0.5	0.00	172.8	3.9	0.0	0.0	350	01-Jun
PX07	87 153	31.00	41.5	21.1	0.0	0.00	121.0	6.1	0.0	0.0	350	02-Jun
PX07	87 154	28.70	42.7	21.1	0.0	0.00	95.0	5.3	0.0	0.0	350	03-Jun
PX07	87 155	28.50	39.6	26.3	0.0	0.00	224.6	9.2	0.0	0.0	350	04-Jun
PX07	87 156	19.60	39.2	24.9	0.0	0.00	181.4	9.3	0.0	0.0	350	05-Jun
PX07	87 157	30.80	35.4	23.8	1.8	0.00	129.6	15.2	0.0	0.0	350	06-Jun
PX07	87 158	31.20	40.9	23.7	0.0	0.00	164.2	11.5	0.0	0.0	350	07-Jun
PX07	87 159	31.60	41.7	23.2	0.0	0.00	146.8	5.8	0.0	0.0	350	08-Jun
PX07	87 160	32.00	39.7	22.4	0.0	0.00	112.3	6.2	0.0	0.0	350	09-Jun
PX07	87 161	32.00	41.6	21.4	0.0	0.00	112.3	4.1	0.0	0.0	350	10-Jun
PX07	87 162	30.40	41.4	21.3	0.0	0.00	95.0	6.1	0.0	0.0	350	11-Jun
PX07	87 163	30.10	41.9	25.5	0.0	0.00	77.8	9.7	0.0	0.0	350	12-Jun
PX07	87 164	29.90	44.1	24.5	0.0	0.00	25.9	8.5	0.0	0.0	350	13-Jun
PX07	87 165	30.40	46.3	26.4	0.0	0.00	86.4	11.6	0.0	0.0	350	14-Jun
PX07	87 166	32.00	42.6	23.1	0.0	0.00	129.6	8.4	0.0	0.0	350	15-Jun
PX07	87 167	31.20	38.7	21.3	0.0	0.00	43.2	3.6	0.0	0.0	350	16-Jun
PX07	87 168	32.00	40.2	20.1	0.0	0.00	43.2	4.6	0.0	0.0	350	17-Jun
PX07	87 169	32.20	39.7	21.4	0.0	0.00	103.7	3.4	0.0	0.0	350	18-Jun
PX07	87 170	30.10	38.7	19.2	0.0	0.00	17.3	2.7	0.0	0.0	350	19-Jun
PX07	87 171	28.30	38.9	19.7	0.0	0.00	25.9	2.9	0.0	0.0	350	20-Jun
PX07	87 172	32.00	39.7	19.5	0.0	0.00	60.5	4.5	0.0	0.0	350	21-Jun
PX07	87 173	32.00	39.5	21.4	0.0	0.00	51.8	6.2	0.0	0.0	350	22-Jun
PX07	87 174	31.00	38.7	21.5	0.0	0.00	34.6	10.0	0.0	0.0	350	23-Jun
PX07	87 175	30.10	39.8	23.2	0.0	0.00	34.6	11.8	0.0	0.0	350	24-Jun
PX07	87 176	16.50	39.4	27.5	0.0	0.00	8.6	11.4	0.0	0.0	350	25-Jun
PX07	87 177	30.60	42.0	24.8	0.0	0.00	34.6	11.9	0.0	0.0	350	26-Jun
PX07	87 178	31.00	42.3	25.8	0.0	0.00	43.2	9.8	0.0	0.0	350	27-Jun
PX07	87 179	31.40	41.8	24.7	0.0	0.00	77.8	6.8	0.0	0.0	350	28-Jun
PX07	87 180	31.60	41.0	23.5	0.0	0.00	95.0	5.6	0.0	0.0	350	29-Jun
PX07	87 181	31.20	39.8	20.4	0.0	0.00	146.9	4.1	0.0	0.0	350	30-Jun
PX07	87 182	27.90	38.7	22.6	0.0	0.00	103.7	2.3	0.0	0.0	350	01-Jul
PX07	87 183	31.60	39.9	18.6	0.0	0.00	103.7	4.8	0.0	0.0	350	02-Jul
PX07	87 184	31.40	40.5	20.1	0.0	0.00	103.7	5.1	0.0	0.0	350	03-Jul
PX07	87 185	32.40	39.1	19.6	1.3	0.00	155.5	6.8	0.0	0.0	350	04-Jul
PX07	87 186	32.20	41.1	20.3	0.0	0.00	138.2	3.4	0.0	0.0	350	05-Jul
PX07	87 187	31.20	41.0	22.0	0.0	0.00	112.3	3.0	0.0	0.0	350	06-Jul
PX07	87 188	23.90	39.2	21.6	0.0	0.00	112.3	6.5	0.0	0.0	350	07-Jul
PX07	87 189	20.50	39.8	20.3	0.0	0.00	129.6	6.8	0.0	0.0	350	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	87	190	19.70	40.4	20.9	0.0	0.00	241.9	7.7	0.0	0.0	350	09-Jul
PX07	87	191	27.90	39.8	21.7	0.0	0.00	172.8	7.4	0.0	0.0	350	10-Jul
PX07	87	192	31.00	40.5	21.1	0.0	0.00	129.6	7.0	0.0	0.0	350	11-Jul
PX07	87	193	28.90	41.1	22.6	0.0	0.00	103.7	8.0	0.0	0.0	350	12-Jul
PX07	87	194	29.70	44.2	23.9	0.0	0.00	103.7	11.2	0.0	0.0	350	13-Jul
PX07	87	195	27.50	41.9	26.1	0.0	0.00	207.4	12.0	0.0	0.0	350	14-Jul
PX07	87	196	23.70	38.1	27.5	0.0	0.00	181.4	15.3	0.0	0.0	350	15-Jul
PX07	87	197	16.10	34.5	26.2	0.0	0.00	198.7	17.2	0.0	0.0	350	16-Jul
PX07	87	198	30.60	38.2	21.8	0.0	0.00	302.4	12.2	0.0	0.0	350	17-Jul
PX07	87	199	27.50	37.0	22.9	0.0	0.00	207.4	12.4	0.0	0.0	350	18-Jul
PX07	87	200	30.10	39.3	21.7	0.0	0.00	146.9	9.5	0.0	0.0	350	19-Jul
PX07	87	201	26.40	41.9	27.2	0.0	0.00	155.5	15.5	0.0	0.0	350	20-Jul
PX07	87	202	21.10	40.9	23.3	15.2	0.00	233.3	13.8	0.0	0.0	350	21-Jul
PX07	87	203	29.50	38.4	18.6	0.0	0.00	121.0	8.5	0.0	0.0	350	22-Jul
PX07	87	204	30.10	40.3	20.2	0.0	0.00	112.3	6.5	0.0	0.0	350	23-Jul
PX07	87	205	27.70	42.2	23.1	0.0	0.00	138.2	8.2	0.0	0.0	350	24-Jul
PX07	87	206	23.50	43.2	29.8	0.0	0.00	155.5	15.5	0.0	0.0	350	25-Jul
PX07	87	207	26.00	43.3	25.8	0.0	0.00	198.7	18.7	0.0	0.0	350	26-Jul
PX07	87	208	23.10	38.2	25.4	11.9	0.00	190.1	20.8	0.0	0.0	350	27-Jul
PX07	87	209	21.70	34.9	24.8	1.3	0.00	121.0	20.2	0.0	0.0	350	28-Jul
PX07	87	210	23.50	38.2	25.3	0.0	0.00	129.6	19.2	0.0	0.0	350	29-Jul
PX07	87	211	28.50	38.7	26.8	0.0	0.00	198.7	18.7	0.0	0.0	350	30-Jul
PX07	87	212	21.70	39.3	23.6	0.0	0.00	129.6	21.1	0.0	0.0	350	31-Jul
PX07	87	213	27.50	36.8	25.9	0.0	0.00	172.8	21.9	0.0	0.0	350	01-Aug
PX07	87	214	28.40	39.5	28.4	0.0	0.00	224.6	21.1	0.0	0.0	350	02-Aug
PX07	87	215	25.90	39.8	26.4	0.0	0.00	121.0	20.0	0.0	0.0	350	03-Aug
PX07	87	216	27.80	38.9	24.6	0.0	0.00	172.8	20.6	0.0	0.0	350	04-Aug
PX07	87	217	27.20	36.2	24.4	12.7	0.00	121.0	22.4	0.0	0.0	350	05-Aug
PX07	87	218	23.30	37.8	27.2	0.0	0.00	146.9	22.4	0.0	0.0	350	06-Aug
PX07	87	219	25.40	40.4	28.0	0.0	0.00	138.2	18.2	0.0	0.0	350	07-Aug
PX07	87	220	27.50	41.3	26.4	0.0	0.00	112.3	16.3	0.0	0.0	350	08-Aug
PX07	87	221	19.40	39.2	27.4	0.0	0.00	129.6	17.8	0.0	0.0	350	09-Aug
PX07	87	222	24.40	40.9	25.0	0.0	0.00	164.2	18.6	0.0	0.0	350	10-Aug
PX07	87	223	12.50	30.3	23.1	7.9	0.00	95.0	21.5	0.0	0.0	350	11-Aug
PX07	87	224	27.30	37.1	24.1	0.0	0.00	146.9	20.2	0.0	0.0	350	12-Aug
PX07	87	225	28.00	38.0	24.6	0.0	0.00	129.6	16.1	0.0	0.0	350	13-Aug
PX07	87	226	28.30	39.1	24.7	0.0	0.00	285.1	13.6	0.0	0.0	350	14-Aug
PX07	87	227	28.80	38.9	21.7	0.0	0.00	181.4	11.5	0.0	0.0	350	15-Aug
PX07	87	228	28.10	39.6	20.4	0.0	0.00	112.3	9.3	0.0	0.0	350	16-Aug
PX07	87	229	27.80	41.6	20.1	0.0	0.00	95.0	10.1	0.0	0.0	350	17-Aug
PX07	87	230	27.40	40.6	22.2	0.0	0.00	103.7	13.2	0.0	0.0	350	18-Aug
PX07	87	231	25.90	38.6	24.9	0.0	0.00	129.6	15.5	0.0	0.0	350	19-Aug
PX07	87	232	26.00	40.3	29.2	0.0	0.00	155.5	17.9	0.0	0.0	350	20-Aug
PX07	87	233	24.90	40.4	27.3	0.0	0.00	146.9	17.3	0.0	0.0	350	21-Aug
PX07	87	234	24.80	38.5	27.7	0.0	0.00	181.4	19.0	0.0	0.0	350	22-Aug
PX07	87	235	17.80	34.6	24.4	3.6	0.00	121.0	20.0	0.0	0.0	350	23-Aug
PX07	87	236	19.40	38.4	23.9	3.0	0.00	224.6	18.7	0.0	0.0	350	24-Aug
PX07	87	237	21.60	35.6	22.0	21.1	0.00	138.2	18.0	0.0	0.0	350	25-Aug
PX07	87	238	25.60	34.9	21.6	0.0	0.00	172.8	15.4	0.0	0.0	350	26-Aug
PX07	87	239	25.70	36.3	20.4	0.0	0.00	95.0	13.5	0.0	0.0	350	27-Aug
PX07	87	240	24.80	39.0	22.5	0.0	0.00	103.7	13.4	0.0	0.0	350	28-Aug
PX07	87	241	25.00	40.6	24.0	0.0	0.00	146.9	13.4	0.0	0.0	350	29-Aug

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX07	87 242	25.60	40.3	22.9	0.0	0.00	86.4	13.1	0.0	0.0	350	30-Aug
PX07	87 243	25.30	42.3	24.6	0.0	0.00	138.2	11.6	0.0	0.0	350	31-Aug
PX07	87 244	25.40	39.2	28.2	0.0	0.00	198.7	12.8	0.0	0.0	350	01-Sep
PX07	87 245	25.80	38.6	24.4	0.0	0.00	146.9	11.6	0.0	0.0	350	02-Sep
PX07	87 246	10.40	33.9	25.7	0.0	0.00	129.6	15.5	0.0	0.0	350	03-Sep
PX07	87 247	23.60	33.6	24.2	0.0	0.00	146.9	17.3	0.0	0.0	350	04-Sep
PX07	87 248	23.70	35.5	23.8	0.0	0.00	95.0	16.1	0.0	0.0	350	05-Sep
PX07	87 249	23.70	36.8	23.1	0.0	0.00	95.0	14.3	0.0	0.0	350	06-Sep
PX07	87 250	24.30	37.8	21.6	0.0	0.00	103.7	9.4	0.0	0.0	350	07-Sep
PX07	87 251	24.70	37.6	18.8	0.0	0.00	95.0	9.2	0.0	0.0	350	08-Sep
PX07	87 252	23.50	36.7	18.8	0.0	0.00	103.7	7.7	0.0	0.0	350	09-Sep
PX07	87 253	22.90	38.1	19.5	0.0	0.00	95.0	8.2	0.0	0.0	350	10-Sep
PX07	87 254	23.10	38.3	21.3	0.0	0.00	129.6	7.1	0.0	0.0	350	11-Sep
PX07	87 255	23.40	37.1	20.1	0.0	0.00	181.4	8.0	0.0	0.0	350	12-Sep
PX07	87 256	22.60	34.2	21.9	0.0	0.00	293.8	10.3	0.0	0.0	350	13-Sep
PX07	87 257	22.00	33.0	17.3	0.0	0.00	103.7	8.2	0.0	0.0	350	14-Sep
PX07	87 258	22.30	34.0	18.2	0.0	0.00	112.3	11.0	0.0	0.0	350	15-Sep
PX07	87 259	18.50	34.6	19.5	0.0	0.00	103.7	11.2	0.0	0.0	350	16-Sep
PX07	87 260	15.10	33.6	19.7	0.0	0.00	164.2	10.1	0.0	0.0	350	17-Sep
PX07	87 261	21.50	34.5	19.6	0.0	0.00	112.3	13.0	0.0	0.0	350	18-Sep
PX07	87 262	21.50	36.6	21.0	0.0	0.00	112.3	12.2	0.0	0.0	350	19-Sep
PX07	87 263	21.60	37.9	20.2	0.0	0.00	129.6	12.1	0.0	0.0	350	20-Sep
PX07	87 264	17.40	36.2	22.2	0.0	0.00	164.2	16.4	0.0	0.0	350	21-Sep
PX07	87 265	15.00	36.2	20.4	0.0	0.00	164.2	17.2	0.0	0.0	350	22-Sep
PX07	87 266	15.10	31.8	19.0	9.7	0.00	103.7	18.4	0.0	0.0	350	23-Sep
PX07	87 267	18.20	33.2	19.8	6.9	0.00	86.4	18.3	0.0	0.0	350	24-Sep
PX07	87 268	21.20	35.0	20.1	0.5	0.00	86.4	17.3	0.0	0.0	350	25-Sep
PX07	87 269	20.00	36.4	19.6	0.0	0.00	103.7	16.8	0.0	0.0	350	26-Sep
PX07	87 270	20.40	38.0	20.1	0.0	0.00	77.8	16.1	0.0	0.0	350	27-Sep
PX07	87 271	19.40	38.4	20.2	0.0	0.00	103.7	16.0	0.0	0.0	350	28-Sep
PX07	87 272	20.50	38.9	21.3	0.0	0.00	190.1	15.0	0.0	0.0	350	29-Sep
PX07	87 273	20.80	36.9	19.8	0.0	0.00	129.6	12.8	0.0	0.0	350	30-Sep
PX07	87 274	20.60	37.1	25.1	0.0	0.00	129.6	8.8	0.0	0.0	350	01-Oct
PX07	87 275	20.40	37.5	19.4	0.0	0.00	181.4	8.5	0.0	0.0	350	02-Oct
PX07	87 276	20.20	37.7	18.9	0.0	0.00	112.3	4.5	0.0	0.0	350	03-Oct
PX07	87 277	19.90	38.4	18.3	0.0	0.00	60.5	5.3	0.0	0.0	350	04-Oct
PX07	87 278	19.60	38.6	17.9	0.0	0.00	69.1	4.6	0.0	0.0	350	05-Oct
PX07	87 279	23.50	39.9	17.9	0.0	0.00	77.1	4.3	0.0	0.0	350	06-Oct
PX07	87 280	17.50	39.5	17.5	0.0	0.00	95.0	3.0	0.0	0.0	350	07-Oct
PX07	87 281	19.10	39.2	17.6	0.0	0.00	129.6	5.9	0.0	0.0	350	08-Oct
PX07	87 282	18.30	37.5	19.6	0.0	0.00	138.2	9.7	0.0	0.0	350	09-Oct
PX07	87 283	19.00	37.0	19.5	0.0	0.00	121.0	10.7	0.0	0.0	350	10-Oct

FILENAME: PX090407.W87   WEATHER DATA FOR CO2=AMBIENT, IRR=DRY, NIT=-, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX09	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX09	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX09	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX09	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX09	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX09	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX09	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX09	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX09	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX09	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX09	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX09	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX09	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX09	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX09	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX09	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX09	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX09	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX09	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX09	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX09	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX09	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX09	87 114	28.10	35.5	16.1	0.0	0.00	121.0	1.1	0.0	0.0	350	24-Apr
PX09	87 115	28.10	35.9	20.2	0.0	0.00	172.8	6.5	0.0	0.0	350	25-Apr
PX09	87 116	28.10	37.2	20.4	0.0	0.00	155.5	6.8	0.0	0.0	350	26-Apr
PX09	87 117	22.30	35.0	21.7	0.0	0.00	224.6	8.6	0.0	0.0	350	27-Apr
PX09	87 118	28.00	35.9	20.1	0.0	0.00	224.6	8.4	0.0	0.0	350	28-Apr
PX09	87 119	22.40	36.4	22.0	0.0	0.00	164.2	7.3	0.0	0.0	350	29-Apr
PX09	87 120	24.00	33.9	20.4	0.3	0.00	164.2	8.5	0.0	0.0	350	30-Apr
PX09	87 121	29.10	31.3	13.6	0.0	0.00	155.5	11.9	0.0	0.0	350	01-May
PX09	87 122	25.80	30.7	15.3	0.0	0.00	129.6	10.0	0.0	0.0	350	02-May
PX09	87 123	29.50	34.0	14.2	0.0	0.00	95.0	1.5	0.0	0.0	350	03-May
PX09	87 124	29.70	36.2	15.2	0.0	0.00	77.8	-0.7	0.0	0.0	350	04-May
PX09	87 125	29.10	37.9	16.4	0.0	0.00	66.5	1.7	0.0	0.0	350	05-May
PX09	87 126	29.30	37.7	21.1	0.0	0.00	155.5	6.1	0.0	0.0	350	06-May
PX09	87 127	28.10	36.4	23.5	0.0	0.00	172.8	7.3	0.0	0.0	350	07-May
PX09	87 128	29.30	35.7	21.6	0.0	0.00	164.2	7.5	0.0	0.0	350	08-May
PX09	87 129	29.50	37.4	19.3	0.0	0.00	86.4	6.8	0.0	0.0	350	09-May
PX09	87 130	27.30	37.1	23.9	0.0	0.00	103.7	9.2	0.0	0.0	350	10-May
PX09	87 131	29.10	37.1	19.7	1.5	0.00	95.0	8.1	0.0	0.0	350	11-May
PX09	87 132	28.50	39.5	25.5	0.0	0.00	129.6	8.6	0.0	0.0	350	12-May
PX09	87 133	28.90	40.2	21.4	0.0	0.00	138.2	8.4	0.0	0.0	350	13-May
PX09	87 134	25.60	40.2	24.7	0.0	0.00	164.2	11.5	0.0	0.0	350	14-May
PX09	87 135	24.00	37.9	21.1	0.3	0.00	181.4	12.7	0.0	0.0	350	15-May
PX09	87 136	28.10	36.9	20.2	0.0	0.00	86.4	10.6	0.0	0.0	350	16-May
PX09	87 137	29.10	38.4	20.1	0.0	0.00	121.0	8.6	0.0	0.0	350	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX09	87	138	29.30	38.4	21.8	0.0	0.00	190.1	8.1	0.0	0.0	350	18-May
PX09	87	139	24.40	35.9	21.4	0.0	0.00	172.8	6.2	0.0	0.0	350	19-May
PX09	87	140	26.40	35.9	20.4	0.0	0.00	233.3	9.3	0.0	0.0	350	20-May
PX09	87	141	29.50	32.2	16.4	0.0	0.00	138.2	9.7	0.0	0.0	350	21-May
PX09	87	142	29.30	35.1	16.6	0.0	0.00	121.0	3.2	0.0	0.0	350	22-May
PX09	87	143	31.20	35.9	17.4	0.0	0.00	146.9	-0.9	0.0	0.0	350	23-May
PX09	87	144	28.30	34.4	17.2	0.0	0.00	129.6	-0.0	0.0	0.0	350	24-May
PX09	87	145	23.10	33.1	17.5	0.0	0.00	198.7	1.5	0.0	0.0	350	25-May
PX09	87	146	30.10	28.0	13.4	0.0	0.00	164.2	1.1	0.0	0.0	350	26-May
PX09	87	147	29.90	29.8	15.5	0.0	0.00	112.3	1.3	0.0	0.0	350	27-May
PX09	87	148	30.10	33.0	16.4	0.0	0.00	121.0	1.9	0.0	0.0	350	28-May
PX09	87	149	30.40	34.6	17.2	0.0	0.00	121.0	3.4	0.0	0.0	350	29-May
PX09	87	150	30.80	37.4	18.1	0.0	0.00	103.7	3.4	0.0	0.0	350	30-May
PX09	87	151	31.40	39.0	19.4	0.0	0.00	129.6	4.5	0.0	0.0	350	31-May
PX09	87	152	31.40	40.5	22.3	0.5	0.00	172.8	5.3	0.0	0.0	350	01-Jun
PX09	87	153	31.00	40.8	21.8	0.0	0.00	121.0	8.0	0.0	0.0	350	02-Jun
PX09	87	154	28.70	42.3	21.6	0.0	0.00	95.0	7.1	0.0	0.0	350	03-Jun
PX09	87	155	28.50	39.2	26.6	0.0	0.00	224.6	10.6	0.0	0.0	350	04-Jun
PX09	87	156	19.60	39.1	25.6	0.0	0.00	181.4	10.9	0.0	0.0	350	05-Jun
PX09	87	157	30.80	35.2	24.5	1.8	0.00	129.6	16.1	0.0	0.0	350	06-Jun
PX09	87	158	31.20	41.3	23.4	0.0	0.00	164.2	9.3	0.0	0.0	350	07-Jun
PX09	87	159	31.60	39.2	23.2	0.0	0.00	146.8	10.4	0.0	0.0	350	08-Jun
PX09	87	160	32.00	41.2	22.4	0.0	0.00	112.3	7.0	0.0	0.0	350	09-Jun
PX09	87	161	32.00	41.6	21.4	0.0	0.00	112.3	4.5	0.0	0.0	350	10-Jun
PX09	87	162	30.40	41.0	21.9	0.0	0.00	95.0	6.4	0.0	0.0	350	11-Jun
PX09	87	163	30.10	41.5	25.7	0.0	0.00	77.8	10.3	0.0	0.0	350	12-Jun
PX09	87	164	29.90	43.9	25.0	0.0	0.00	25.9	9.8	0.0	0.0	350	13-Jun
PX09	87	165	30.40	45.7	26.7	0.0	0.00	86.4	9.9	0.0	0.0	350	14-Jun
PX09	87	166	32.00	42.4	26.6	0.0	0.00	129.6	6.4	0.0	0.0	350	15-Jun
PX09	87	167	31.20	37.9	21.5	0.0	0.00	43.2	5.6	0.0	0.0	350	16-Jun
PX09	87	168	32.00	40.1	21.1	0.0	0.00	43.2	6.2	0.0	0.0	350	17-Jun
PX09	87	169	32.20	39.3	22.2	0.0	0.00	103.7	5.0	0.0	0.0	350	18-Jun
PX09	87	170	30.10	38.7	19.9	0.0	0.00	17.3	4.3	0.0	0.0	350	19-Jun
PX09	87	171	28.30	39.0	20.3	0.0	0.00	25.9	2.7	0.0	0.0	350	20-Jun
PX09	87	172	32.00	39.8	20.1	0.0	0.00	60.5	4.1	0.0	0.0	350	21-Jun
PX09	87	173	32.00	39.4	22.1	0.0	0.00	51.8	6.1	0.0	0.0	350	22-Jun
PX09	87	174	31.00	38.5	22.2	0.0	0.00	34.6	10.0	0.0	0.0	350	23-Jun
PX09	87	175	30.10	39.6	23.4	0.0	0.00	34.6	11.6	0.0	0.0	350	24-Jun
PX09	87	176	16.50	39.3	27.6	0.0	0.00	8.6	11.6	0.0	0.0	350	25-Jun
PX09	87	177	30.60	41.8	24.9	0.0	0.00	34.6	12.3	0.0	0.0	350	26-Jun
PX09	87	178	31.00	41.9	25.9	0.0	0.00	43.2	10.3	0.0	0.0	350	27-Jun
PX09	87	179	31.40	41.7	25.3	0.0	0.00	77.8	7.5	0.0	0.0	350	28-Jun
PX09	87	180	31.60	41.2	23.8	0.0	0.00	95.0	6.4	0.0	0.0	350	29-Jun
PX09	87	181	31.20	39.9	21.5	0.0	0.00	146.9	5.0	0.0	0.0	350	30-Jun
PX09	87	182	27.90	38.8	23.1	0.0	0.00	103.7	3.9	0.0	0.0	350	01-Jul
PX09	87	183	31.60	40.0	19.4	0.0	0.00	103.7	5.9	0.0	0.0	350	02-Jul
PX09	87	184	31.40	40.8	21.1	0.0	0.00	103.7	6.4	0.0	0.0	350	03-Jul
PX09	87	185	32.40	40.5	21.5	1.3	0.00	155.5	4.8	0.0	0.0	350	04-Jul
PX09	87	186	32.20	41.3	21.0	0.0	0.00	138.2	4.8	0.0	0.0	350	05-Jul
PX09	87	187	31.20	39.4	22.0	0.0	0.00	112.3	8.4	0.0	0.0	350	06-Jul
PX09	87	188	23.90	39.4	22.0	0.0	0.00	112.3	7.8	0.0	0.0	350	07-Jul
PX09	87	189	20.50	40.2	20.0	0.0	0.00	129.6	7.3	0.0	0.0	350	08-Jul

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX09	87 190	19.70	41.0	21.1	0.0	0.00	241.9	6.5	0.0	0.0	350	09-Jul
PX09	87 191	27.90	42.2	21.8	0.0	0.00	172.8	7.4	0.0	0.0	350	10-Jul
PX09	87 192	31.00	41.0	22.2	0.0	0.00	129.6	8.0	0.0	0.0	350	11-Jul
PX09	87 193	28.90	41.6	23.0	0.0	0.00	103.7	8.8	0.0	0.0	350	12-Jul
PX09	87 194	29.70	44.3	24.7	0.0	0.00	103.7	7.7	0.0	0.0	350	13-Jul
PX09	87 195	27.50	41.8	26.7	0.0	0.00	207.4	11.6	0.0	0.0	350	14-Jul
PX09	87 196	23.70	38.5	28.0	0.0	0.00	181.4	15.0	0.0	0.0	350	15-Jul
PX09	87 197	16.10	35.0	26.3	0.0	0.00	198.7	16.9	0.0	0.0	350	16-Jul
PX09	87 198	30.60	38.3	22.1	0.0	0.00	302.4	10.1	0.0	0.0	350	17-Jul
PX09	87 199	27.50	37.1	23.2	0.0	0.00	207.4	12.4	0.0	0.0	350	18-Jul
PX09	87 200	30.10	39.8	21.6	0.0	0.00	146.9	9.5	0.0	0.0	350	19-Jul
PX09	87 201	26.40	42.5	27.5	0.0	0.00	155.5	15.5	0.0	0.0	350	20-Jul
PX09	87 202	21.10	40.3	23.6	15.2	0.00	233.3	13.9	0.0	0.0	350	21-Jul
PX09	87 203	29.50	38.8	18.9	0.0	0.00	121.0	8.4	0.0	0.0	350	22-Jul
PX09	87 204	30.10	40.9	21.1	0.0	0.00	112.3	6.4	0.0	0.0	350	23-Jul
PX09	87 205	27.70	42.8	24.2	0.0	0.00	138.2	8.0	0.0	0.0	350	24-Jul
PX09	87 206	23.50	43.5	31.2	0.0	0.00	155.5	14.8	0.0	0.0	350	25-Jul
PX09	87 207	26.00	43.9	25.9	0.0	0.00	198.7	18.2	0.0	0.0	350	26-Jul
PX09	87 208	23.10	39.2	25.6	11.9	0.00	190.1	19.5	0.0	0.0	350	27-Jul
PX09	87 209	21.70	35.7	25.0	1.3	0.00	121.0	20.2	0.0	0.0	350	28-Jul
PX09	87 210	23.50	39.1	25.7	0.0	0.00	129.6	18.9	0.0	0.0	350	29-Jul
PX09	87 211	28.50	39.0	27.4	0.0	0.00	198.7	18.7	0.0	0.0	350	30-Jul
PX09	87 212	21.70	39.7	23.3	0.0	0.00	129.6	21.3	0.0	0.0	350	31-Jul
PX09	87 213	27.50	37.5	25.5	18.0	0.00	172.8	21.9	0.0	0.0	350	01-Aug
PX09	87 214	28.40	40.0	28.7	0.0	0.00	224.6	21.5	0.0	0.0	350	02-Aug
PX09	87 215	25.90	40.4	26.6	0.0	0.00	121.0	20.4	0.0	0.0	350	03-Aug
PX09	87 216	27.80	39.0	24.4	0.0	0.00	172.8	20.9	0.0	0.0	350	04-Aug
PX09	87 217	27.20	36.8	24.3	12.7	0.00	121.0	22.3	0.0	0.0	350	05-Aug
PX09	87 218	23.30	37.9	27.4	0.0	0.00	146.9	22.2	0.0	0.0	350	06-Aug
PX09	87 219	25.40	40.3	28.2	0.0	0.00	138.2	17.8	0.0	0.0	350	07-Aug
PX09	87 220	27.50	41.4	27.1	0.0	0.00	112.3	16.7	0.0	0.0	350	08-Aug
PX09	87 221	19.40	39.0	28.0	0.0	0.00	129.6	17.3	0.0	0.0	350	09-Aug
PX09	87 222	24.40	41.1	25.4	0.0	0.00	164.2	18.4	0.0	0.0	350	10-Aug
PX09	87 223	12.50	30.0	22.7	7.9	0.00	95.0	22.0	0.0	0.0	350	11-Aug
PX09	87 224	27.30	36.0	23.4	0.0	0.00	146.9	21.5	0.0	0.0	350	12-Aug
PX09	87 225	28.00	37.4	22.4	0.0	0.00	129.6	17.3	0.0	0.0	350	13-Aug
PX09	87 226	28.30	39.8	24.2	0.0	0.00	285.1	13.8	0.0	0.0	350	14-Aug
PX09	87 227	28.80	38.6	22.3	0.0	0.00	181.4	10.9	0.0	0.0	350	15-Aug
PX09	87 228	28.10	39.6	21.1	0.0	0.00	112.3	8.2	0.0	0.0	350	16-Aug
PX09	87 229	27.80	41.3	18.3	0.0	0.00	95.0	12.6	0.0	0.0	350	17-Aug
PX09	87 230	27.40	39.6	20.3	0.0	0.00	103.7	13.3	0.0	0.0	350	18-Aug
PX09	87 231	25.90	38.3	25.7	0.0	0.00	129.6	14.7	0.0	0.0	350	19-Aug
PX09	87 232	26.00	40.2	29.8	0.0	0.00	155.5	17.1	0.0	0.0	350	20-Aug
PX09	87 233	24.90	40.0	27.7	0.0	0.00	146.9	16.9	0.0	0.0	350	21-Aug
PX09	87 234	24.80	38.2	27.9	0.0	0.00	181.4	18.7	0.0	0.0	350	22-Aug
PX09	87 235	17.80	34.5	24.6	3.6	0.00	121.0	19.8	0.0	0.0	350	23-Aug
PX09	87 236	19.40	38.2	23.7	3.0	0.00	224.6	18.3	0.0	0.0	350	24-Aug
PX09	87 237	21.60	35.1	22.3	21.1	0.00	138.2	17.8	0.0	0.0	350	25-Aug
PX09	87 238	25.60	33.8	21.9	0.0	0.00	172.8	15.5	0.0	0.0	350	26-Aug
PX09	87 239	25.70	35.8	21.1	0.0	0.00	95.0	13.3	0.0	0.0	350	27-Aug
PX09	87 240	24.80	38.6	23.3	0.0	0.00	103.7	13.0	0.0	0.0	350	28-Aug
PX09	87 241	25.00	40.0	24.8	0.0	0.00	146.9	13.0	0.0	0.0	350	29-Aug

	IYR	SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00
INSTW	JUL		XTMAX		XRAIN		WIND		STMAX		CO2	
PX09	87	242	25.60	39.5	23.5	0.0	0.00	86.4	12.9	0.0	0.0	350	30-Aug
PX09	87	243	25.30	41.8	24.9	0.0	0.00	138.2	12.2	0.0	0.0	350	31-Aug
PX09	87	244	25.40	38.8	28.8	0.0	0.00	198.7	15.9	0.0	0.0	350	01-Sep
PX09	87	245	25.80	38.6	24.4	0.0	0.00	146.9	15.8	0.0	0.0	350	02-Sep
PX09	87	246	10.40	33.5	25.9	0.0	0.00	129.6	14.8	0.0	0.0	350	03-Sep
PX09	87	247	23.60	33.1	24.3	0.0	0.00	146.9	16.6	0.0	0.0	350	04-Sep
PX09	87	248	23.70	34.8	23.9	0.0	0.00	95.0	15.4	0.0	0.0	350	05-Sep
PX09	87	249	23.70	36.2	23.2	0.0	0.00	95.0	13.4	0.0	0.0	350	06-Sep
PX09	87	250	24.30	37.1	22.0	0.0	0.00	103.7	7.5	0.0	0.0	350	07-Sep
PX09	87	251	24.70	36.7	19.0	0.0	0.00	95.0	8.0	0.0	0.0	350	08-Sep
PX09	87	252	23.50	36.0	19.1	0.0	0.00	103.7	7.1	0.0	0.0	350	09-Sep
PX09	87	253	22.90	37.6	20.1	0.0	0.00	95.0	7.7	0.0	0.0	350	10-Sep
PX09	87	254	23.10	38.1	21.6	0.0	0.00	129.6	6.4	0.0	0.0	350	11-Sep
PX09	87	255	23.40	36.8	20.6	0.0	0.00	181.4	7.8	0.0	0.0	350	12-Sep
PX09	87	256	22.60	33.7	22.0	0.0	0.00	293.8	10.4	0.0	0.0	350	13-Sep
PX09	87	257	22.00	32.2	17.7	0.0	0.00	103.7	8.1	0.0	0.0	350	14-Sep
PX09	87	258	22.30	32.8	18.7	0.0	0.00	112.3	11.1	0.0	0.0	350	15-Sep
PX09	87	259	18.50	33.8	20.0	0.0	0.00	103.7	16.9	0.0	0.0	350	16-Sep
PX09	87	260	15.10	33.3	20.1	0.0	0.00	164.2	11.6	0.0	0.0	350	17-Sep
PX09	87	261	21.50	33.6	19.6	0.0	0.00	112.3	12.3	0.0	0.0	350	18-Sep
PX09	87	262	21.50	35.6	21.2	0.0	0.00	112.3	10.4	0.0	0.0	350	19-Sep
PX09	87	263	21.60	36.9	20.3	0.0	0.00	129.6	9.0	0.0	0.0	350	20-Sep
PX09	87	264	17.40	35.2	22.0	0.0	0.00	164.2	14.3	0.0	0.0	350	21-Sep
PX09	87	265	15.00	35.5	20.1	0.0	0.00	164.2	15.5	0.0	0.0	350	22-Sep
PX09	87	266	15.10	31.2	18.7	9.7	0.00	103.7	17.3	0.0	0.0	350	23-Sep
PX09	87	267	18.20	32.0	19.9	6.9	0.00	86.4	17.2	0.0	0.0	350	24-Sep
PX09	87	268	21.20	34.5	20.2	0.5	0.00	86.4	15.0	0.0	0.0	350	25-Sep
PX09	87	269	20.00	35.8	19.9	0.0	0.00	103.7	14.4	0.0	0.0	350	26-Sep
PX09	87	270	20.40	37.4	20.5	0.0	0.00	.77.8	13.6	0.0	0.0	350	27-Sep
PX09	87	271	19.40	37.8	20.1	0.0	0.00	103.7	13.3	0.0	0.0	350	28-Sep
PX09	87	272	20.50	38.2	21.7	0.0	0.00	190.1	13.8	0.0	0.0	350	29-Sep
PX09	87	273	20.80	36.1	20.1	0.0	0.00	129.6	13.6	0.0	0.0	350	30-Sep
PX09	87	274	20.60	36.5	24.8	0.0	0.00	129.6	7.3	0.0	0.0	350	01-Oct
PX09	87	275	20.40	37.7	20.6	0.0	0.00	181.4	8.4	0.0	0.0	350	02-Oct
PX09	87	276	20.20	37.4	19.5	0.0	0.00	112.3	1.3	0.0	0.0	350	03-Oct
PX09	87	277	19.90	37.8	18.3	0.0	0.00	60.5	3.4	0.0	0.0	350	04-Oct
PX09	87	278	19.60	39.4	20.1	0.0	0.00	69.1	2.7	0.0	0.0	350	05-Oct
PX09	87	279	23.50	39.5	18.4	0.0	0.00	77.1	1.1	0.0	0.0	350	06-Oct
PX09	87	280	17.50	39.3	17.6	0.0	0.00	95.0	1.7	0.0	0.0	350	07-Oct
PX09	87	281	19.10	39.0	17.8	0.0	0.00	129.6	4.3	0.0	0.0	350	08-Oct
PX09	87	282	18.30	37.2	19.7	0.0	0.00	138.2	8.2	0.0	0.0	350	09-Oct
PX09	87	283	19.00	36.8	19.8	0.0	0.00	121.0	9.0	0.0	0.0	350	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX08	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX08	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX08	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX08	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX08	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX08	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX08	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX08	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX08	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX08	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX08	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX08	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX08	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX08	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX08	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX08	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX08	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX08	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX08	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX08	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX08	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX08	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX08	87 114	28.10	36.9	16.0	0.0	0.00	121.0	7.8	0.0	0.0	350	24-Apr
PX08	87 115	28.10	36.8	20.7	0.0	0.00	172.8	12.1	0.0	0.0	350	25-Apr
PX08	87 116	28.10	38.3	20.9	0.0	0.00	155.5	10.0	0.0	0.0	350	26-Apr
PX08	87 117	22.30	36.5	21.6	0.0	0.00	224.6	12.7	0.0	0.0	350	27-Apr
PX08	87 118	28.00	37.1	19.7	0.0	0.00	224.6	12.1	0.0	0.0	350	28-Apr
PX08	87 119	22.40	36.4	21.7	0.0	0.00	164.2	9.4	0.0	0.0	350	29-Apr
PX08	87 120	24.00	34.5	20.6	0.3	0.00	164.2	8.9	0.0	0.0	350	30-Apr
PX08	87 121	29.10	31.7	13.5	0.0	0.00	155.5	8.0	0.0	0.0	350	01-May
PX08	87 122	25.80	30.7	16.9	0.0	0.00	129.6	7.5	0.0	0.0	350	02-May
PX08	87 123	29.50	33.9	13.9	0.0	0.00	95.0	3.6	0.0	0.0	350	03-May
PX08	87 124	29.70	36.5	14.6	0.0	0.00	77.8	0.6	0.0	0.0	350	04-May
PX08	87 125	29.10	38.4	16.0	0.0	0.00	66.5	4.5	0.0	0.0	350	05-May
PX08	87 126	29.30	38.3	20.5	0.0	0.00	155.5	12.6	0.0	0.0	350	06-May
PX08	87 127	28.10	37.9	22.9	0.0	0.00	172.8	8.4	0.0	0.0	350	07-May
PX08	87 128	29.30	36.2	21.7	0.0	0.00	164.2	8.0	0.0	0.0	350	08-May
PX08	87 129	29.50	38.2	19.3	0.0	0.00	86.4	7.4	0.0	0.0	350	09-May
PX08	87 130	27.30	37.1	22.6	0.0	0.00	103.7	10.4	0.0	0.0	350	10-May
PX08	87 131	29.10	38.0	19.4	1.5	0.00	95.0	11.3	0.0	0.0	350	11-May
PX08	87 132	28.50	39.8	25.4	0.0	0.00	129.6	7.0	0.0	0.0	350	12-May
PX08	87 133	28.90	39.9	21.4	0.0	0.00	138.2	7.8	0.0	0.0	350	13-May
PX08	87 134	25.60	39.9	24.7	0.0	0.00	164.2	11.1	0.0	0.0	350	14-May
PX08	87 135	24.00	37.7	21.3	0.3	0.00	181.4	13.1	0.0	0.0	350	15-May
PX08	87 136	28.10	37.1	20.4	0.0	0.00	86.4	10.5	0.0	0.0	350	16-May
PX08	87 137	29.10	38.8	20.3	0.0	0.00	121.0	8.1	0.0	0.0	350	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	87	138	29.30	38.8	22.0	0.0	0.00	190.1	6.4	0.0	0.0	350	18-May
PX08	87	139	24.40	35.9	21.6	0.0	0.00	172.8	5.3	0.0	0.0	350	19-May
PX08	87	140	26.40	35.1	20.4	0.0	0.00	233.3	9.9	0.0	0.0	350	20-May
PX08	87	141	29.50	32.4	16.7	0.0	0.00	138.2	10.3	0.0	0.0	350	21-May
PX08	87	142	29.30	35.8	16.3	0.0	0.00	121.0	3.9	0.0	0.0	350	22-May
PX08	87	143	31.20	35.7	16.7	0.0	0.00	146.9	-0.0	0.0	0.0	350	23-May
PX08	87	144	28.30	34.8	16.8	0.0	0.00	129.6	0.9	0.0	0.0	350	24-May
PX08	87	145	23.10	32.8	17.3	0.0	0.00	198.7	2.3	0.0	0.0	350	25-May
PX08	87	146	30.10	28.2	13.3	0.0	0.00	164.2	1.1	0.0	0.0	350	26-May
PX08	87	147	29.90	30.3	13.0	0.0	0.00	112.3	1.7	0.0	0.0	350	27-May
PX08	87	148	30.10	32.7	16.4	0.0	0.00	121.0	1.3	0.0	0.0	350	28-May
PX08	87	149	30.40	34.6	16.4	0.0	0.00	121.0	3.9	0.0	0.0	350	29-May
PX08	87	150	30.80	37.6	17.6	0.0	0.00	103.7	2.3	0.0	0.0	350	30-May
PX08	87	151	31.40	38.8	18.5	0.0	0.00	129.6	2.9	0.0	0.0	350	31-May
PX08	87	152	31.40	39.9	21.8	0.5	0.00	172.8	3.4	0.0	0.0	350	01-Jun
PX08	87	153	31.00	40.9	20.9	0.0	0.00	121.0	5.4	0.0	0.0	350	02-Jun
PX08	87	154	28.70	42.0	21.1	0.0	0.00	95.0	4.8	0.0	0.0	350	03-Jun
PX08	87	155	28.50	39.9	26.3	0.0	0.00	224.6	10.1	0.0	0.0	350	04-Jun
PX08	87	156	19.60	39.4	24.8	0.0	0.00	181.4	10.3	0.0	0.0	350	05-Jun
PX08	87	157	30.80	35.1	23.8	1.8	0.00	129.6	15.7	0.0	0.0	350	06-Jun
PX08	87	158	31.20	40.5	23.5	0.0	0.00	164.2	12.4	0.0	0.0	350	07-Jun
PX08	87	159	31.60	41.0	22.9	0.0	0.00	146.8	7.3	0.0	0.0	350	08-Jun
PX08	87	160	32.00	40.0	22.1	0.0	0.00	112.3	7.4	0.0	0.0	350	09-Jun
PX08	87	161	32.00	42.0	21.0	0.0	0.00	112.3	7.1	0.0	0.0	350	10-Jun
PX08	87	162	30.40	40.7	21.1	0.0	0.00	95.0	7.0	0.0	0.0	350	11-Jun
PX08	87	163	30.10	41.6	25.1	0.0	0.00	77.8	10.6	0.0	0.0	350	12-Jun
PX08	87	164	29.90	44.0	24.5	0.0	0.00	25.9	8.9	0.0	0.0	350	13-Jun
PX08	87	165	30.40	46.4	26.2	0.0	0.00	86.4	8.5	0.0	0.0	350	14-Jun
PX08	87	166	32.00	42.0	26.0	0.0	0.00	129.6	7.7	0.0	0.0	350	15-Jun
PX08	87	167	31.20	39.4	21.1	0.0	0.00	43.2	7.4	0.0	0.0	350	16-Jun
PX08	87	168	32.00	41.1	20.2	0.0	0.00	43.2	7.4	0.0	0.0	350	17-Jun
PX08	87	169	32.20	40.6	19.8	0.0	0.00	103.7	8.1	0.0	0.0	350	18-Jun
PX08	87	170	30.10	38.7	19.3	0.0	0.00	17.3	7.4	0.0	0.0	350	19-Jun
PX08	87	171	28.30	38.8	19.6	0.0	0.00	25.9	6.2	0.0	0.0	350	20-Jun
PX08	87	172	32.00	39.5	19.5	0.0	0.00	60.5	8.6	0.0	0.0	350	21-Jun
PX08	87	173	32.00	39.2	21.3	0.0	0.00	51.8	8.9	0.0	0.0	350	22-Jun
PX08	87	174	31.00	39.0	21.1	0.0	0.00	34.6	12.2	0.0	0.0	350	23-Jun
PX08	87	175	30.10	40.4	23.3	0.0	0.00	34.6	13.7	0.0	0.0	350	24-Jun
PX08	87	176	16.50	39.4	27.7	0.0	0.00	8.6	11.5	0.0	0.0	350	25-Jun
PX08	87	177	30.60	42.2	24.7	0.0	0.00	34.6	8.2	0.0	0.0	350	26-Jun
PX08	87	178	31.00	41.9	25.7	0.0	0.00	43.2	9.3	0.0	0.0	350	27-Jun
PX08	87	179	31.40	41.3	24.4	0.0	0.00	77.8	9.0	0.0	0.0	350	28-Jun
PX08	87	180	31.60	41.6	23.5	0.0	0.00	95.0	7.5	0.0	0.0	350	29-Jun
PX08	87	181	31.20	39.8	20.0	0.0	0.00	146.9	7.3	0.0	0.0	350	30-Jun
PX08	87	182	27.90	38.4	22.3	0.0	0.00	103.7	6.4	0.0	0.0	350	01-Jul
PX08	87	183	31.60	39.4	18.4	0.0	0.00	103.7	5.8	0.0	0.0	350	02-Jul
PX08	87	184	31.40	40.0	20.0	0.0	0.00	103.7	6.8	0.0	0.0	350	03-Jul
PX08	87	185	32.40	37.9	19.6	1.3	0.00	155.5	6.2	0.0	0.0	350	04-Jul
PX08	87	186	32.20	40.3	19.8	0.0	0.00	138.2	6.7	0.0	0.0	350	05-Jul
PX08	87	187	31.20	40.1	21.8	0.0	0.00	112.3	6.8	0.0	0.0	350	06-Jul
PX08	87	188	23.90	38.8	21.0	0.0	0.00	112.3	9.3	0.0	0.0	350	07-Jul
PX08	87	189	20.50	39.7	20.1	0.0	0.00	129.6	9.0	0.0	0.0	350	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	87	190	19.70	40.6	20.8	0.0	0.00	241.9	9.4	0.0	0.0	350	09-Jul
PX08	87	191	27.90	39.0	21.7	0.0	0.00	172.8	9.7	0.0	0.0	350	10-Jul
PX08	87	192	31.00	39.8	20.6	0.0	0.00	129.6	10.1	0.0	0.0	350	11-Jul
PX08	87	193	28.90	40.0	22.3	0.0	0.00	103.7	11.1	0.0	0.0	350	12-Jul
PX08	87	194	29.70	42.9	23.5	0.0	0.00	103.7	11.6	0.0	0.0	350	13-Jul
PX08	87	195	27.50	42.6	25.9	0.0	0.00	207.4	15.7	0.0	0.0	350	14-Jul
PX08	87	196	23.70	39.4	26.8	0.0	0.00	181.4	20.5	0.0	0.0	350	15-Jul
PX08	87	197	16.10	35.4	24.0	0.0	0.00	198.7	19.2	0.0	0.0	350	16-Jul
PX08	87	198	30.60	38.5	21.3	0.0	0.00	302.4	13.1	0.0	0.0	350	17-Jul
PX08	87	199	27.50	36.9	22.7	0.0	0.00	207.4	14.8	0.0	0.0	350	18-Jul
PX08	87	200	30.10	39.5	21.2	0.0	0.00	146.9	13.6	0.0	0.0	350	19-Jul
PX08	87	201	26.40	42.0	26.9	0.0	0.00	155.5	18.9	0.0	0.0	350	20-Jul
PX08	87	202	21.10	41.9	23.0	15.2	0.00	233.3	16.8	0.0	0.0	350	21-Jul
PX08	87	203	29.50	39.2	18.5	0.0	0.00	121.0	12.8	0.0	0.0	350	22-Jul
PX08	87	204	30.10	41.0	20.0	0.0	0.00	112.3	13.0	0.0	0.0	350	23-Jul
PX08	87	205	27.70	42.2	22.5	0.0	0.00	138.2	11.2	0.0	0.0	350	24-Jul
PX08	87	206	23.50	43.0	30.5	0.0	0.00	155.5	15.0	0.0	0.0	350	25-Jul
PX08	87	207	26.00	43.2	25.8	0.0	0.00	198.7	18.4	0.0	0.0	350	26-Jul
PX08	87	208	23.10	37.3	25.1	11.9	0.00	190.1	19.2	0.0	0.0	350	27-Jul
PX08	87	209	21.70	34.8	24.7	1.3	0.00	121.0	20.4	0.0	0.0	350	28-Jul
PX08	87	210	23.50	38.4	25.1	0.0	0.00	129.6	19.6	0.0	0.0	350	29-Jul
PX08	87	211	28.50	39.5	26.7	0.0	0.00	198.7	19.7	0.0	0.0	350	30-Jul
PX08	87	212	21.70	40.4	23.4	0.0	0.00	129.6	21.9	0.0	0.0	350	31-Jul
PX08	87	213	27.50	37.4	25.7	18.0	0.00	172.8	22.6	0.0	0.0	350	01-Aug
PX08	87	214	28.40	40.0	28.7	0.0	0.00	224.6	22.8	0.0	0.0	350	02-Aug
PX08	87	215	25.90	40.4	26.5	0.0	0.00	121.0	21.9	0.0	0.0	350	03-Aug
PX08	87	216	27.80	40.1	24.4	0.0	0.00	172.8	22.5	0.0	0.0	350	04-Aug
PX08	87	217	27.20	36.4	23.4	12.7	0.00	121.0	22.2	0.0	0.0	350	05-Aug
PX08	87	218	23.30	38.1	27.5	0.0	0.00	146.9	23.3	0.0	0.0	350	06-Aug
PX08	87	219	25.40	40.4	28.0	0.0	0.00	138.2	17.7	0.0	0.0	350	07-Aug
PX08	87	220	27.50	41.5	26.6	0.0	0.00	112.3	16.5	0.0	0.0	350	08-Aug
PX08	87	221	19.40	38.9	27.4	0.0	0.00	129.6	17.3	0.0	0.0	350	09-Aug
PX08	87	222	24.40	40.5	25.3	0.0	0.00	164.2	18.1	0.0	0.0	350	10-Aug
PX08	87	223	12.50	30.2	23.3	7.9	0.00	95.0	21.3	0.0	0.0	350	11-Aug
PX08	87	224	27.30	36.8	24.3	0.0	0.00	146.9	19.8	0.0	0.0	350	12-Aug
PX08	87	225	28.00	38.2	24.8	0.0	0.00	129.6	18.3	0.0	0.0	350	13-Aug
PX08	87	226	28.30	39.0	28.5	0.0	0.00	285.1	16.5	0.0	0.0	350	14-Aug
PX08	87	227	28.80	38.2	21.5	0.0	0.00	181.4	11.0	0.0	0.0	350	15-Aug
PX08	87	228	28.10	39.1	20.3	0.0	0.00	112.3	9.5	0.0	0.0	350	16-Aug
PX08	87	229	27.80	41.5	20.0	0.0	0.00	95.0	10.9	0.0	0.0	350	17-Aug
PX08	87	230	27.40	41.1	21.9	0.0	0.00	103.7	14.6	0.0	0.0	350	18-Aug
PX08	87	231	25.90	38.9	25.4	0.0	0.00	129.6	16.5	0.0	0.0	350	19-Aug
PX08	87	232	26.00	40.5	29.6	0.0	0.00	155.5	18.9	0.0	0.0	350	20-Aug
PX08	87	233	24.90	40.7	27.4	0.0	0.00	146.9	17.6	0.0	0.0	350	21-Aug
PX08	87	234	24.80	38.7	28.1	0.0	0.00	181.4	18.9	0.0	0.0	350	22-Aug
PX08	87	235	17.80	35.5	24.5	3.6	0.00	121.0	20.2	0.0	0.0	350	23-Aug
PX08	87	236	19.40	38.4	24.2	3.0	0.00	224.6	18.6	0.0	0.0	350	24-Aug
PX08	87	237	21.60	36.1	22.0	21.1	0.00	138.2	17.8	0.0	0.0	350	25-Aug
PX08	87	238	25.60	35.5	21.7	0.0	0.00	172.8	15.4	0.0	0.0	350	26-Aug
PX08	87	239	25.70	36.6	20.5	0.0	0.00	95.0	13.5	0.0	0.0	350	27-Aug
PX08	87	240	24.80	39.2	22.7	0.0	0.00	103.7	13.4	0.0	0.0	350	28-Aug
PX08	87	241	25.00	40.6	23.9	0.0	0.00	146.9	13.2	0.0	0.0	350	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX08	87	242	25.60	40.1	22.7	0.0	0.00	86.4	13.2	0.0	0.0	350	30-Aug
PX08	87	243	25.30	42.4	24.4	0.0	0.00	138.2	12.0	0.0	0.0	350	31-Aug
PX08	87	244	25.40	39.9	28.1	0.0	0.00	198.7	12.8	0.0	0.0	350	01-Sep
PX08	87	245	25.80	38.9	24.2	0.0	0.00	146.9	12.0	0.0	0.0	350	02-Sep
PX08	87	246	10.40	33.8	25.4	0.0	0.00	129.6	15.8	0.0	0.0	350	03-Sep
PX08	87	247	23.60	33.7	24.1	0.0	0.00	146.9	17.3	0.0	0.0	350	04-Sep
PX08	87	248	23.70	35.3	23.6	0.0	0.00	95.0	16.3	0.0	0.0	350	05-Sep
PX08	87	249	23.70	36.6	23.0	0.0	0.00	95.0	14.5	0.0	0.0	350	06-Sep
PX08	87	250	24.30	37.3	21.2	0.0	0.00	103.7	9.8	0.0	0.0	350	07-Sep
PX08	87	251	24.70	37.6	18.4	0.0	0.00	95.0	8.2	0.0	0.0	350	08-Sep
PX08	87	252	23.50	36.9	18.6	0.0	0.00	103.7	7.0	0.0	0.0	350	09-Sep
PX08	87	253	22.90	38.0	19.3	0.0	0.00	95.0	8.0	0.0	0.0	350	10-Sep
PX08	87	254	23.10	38.0	21.2	0.0	0.00	129.6	7.1	0.0	0.0	350	11-Sep
PX08	87	255	23.40	37.1	19.8	0.0	0.00	181.4	7.8	0.0	0.0	350	12-Sep
PX08	87	256	22.60	33.8	21.5	0.0	0.00	293.8	9.9	0.0	0.0	350	13-Sep
PX08	87	257	22.00	32.8	17.0	0.0	0.00	103.7	7.8	0.0	0.0	350	14-Sep
PX08	87	258	22.30	34.2	17.8	0.0	0.00	112.3	10.1	0.0	0.0	350	15-Sep
PX08	87	259	18.50	34.7	19.2	0.0	0.00	103.7	12.2	0.0	0.0	350	16-Sep
PX08	87	260	15.10	34.0	19.4	0.0	0.00	164.2	14.6	0.0	0.0	350	17-Sep
PX08	87	261	21.50	34.1	19.3	0.0	0.00	112.3	16.8	0.0	0.0	350	18-Sep
PX08	87	262	21.50	36.4	20.7	0.0	0.00	112.3	16.4	0.0	0.0	350	19-Sep
PX08	87	263	21.60	37.5	19.9	0.0	0.00	129.6	16.1	0.0	0.0	350	20-Sep
PX08	87	264	17.40	36.1	21.9	0.0	0.00	164.2	17.4	0.0	0.0	350	21-Sep
PX08	87	265	15.00	36.5	20.3	0.0	0.00	164.2	17.3	0.0	0.0	350	22-Sep
PX08	87	266	15.10	31.4	18.6	9.7	0.00	103.7	18.3	0.0	0.0	350	23-Sep
PX08	87	267	18.20	32.4	19.7	6.9	0.00	86.4	18.6	0.0	0.0	350	24-Sep
PX08	87	268	21.20	34.6	20.1	0.5	0.00	86.4	17.9	0.0	0.0	350	25-Sep
PX08	87	269	20.00	35.9	19.6	0.0	0.00	103.7	17.8	0.0	0.0	350	26-Sep
PX08	87	270	20.40	37.3	20.3	0.0	0.00	77.8	17.7	0.0	0.0	350	27-Sep
PX08	87	271	19.40	37.4	20.1	0.0	0.00	103.7	15.4	0.0	0.0	350	28-Sep
PX08	87	272	20.50	38.0	20.7	0.0	0.00	190.1	10.6	0.0	0.0	350	29-Sep
PX08	87	273	20.80	36.7	19.6	0.0	0.00	129.6	10.0	0.0	0.0	350	30-Sep
PX08	87	274	20.60	36.4	24.4	0.0	0.00	129.6	7.4	0.0	0.0	350	01-Oct
PX08	87	275	20.40	37.0	19.6	0.0	0.00	181.4	8.0	0.0	0.0	350	02-Oct
PX08	87	276	20.20	37.7	18.9	0.0	0.00	112.3	2.1	0.0	0.0	350	03-Oct
PX08	87	277	19.90	37.9	18.3	0.0	0.00	60.5	4.3	0.0	0.0	350	04-Oct
PX08	87	278	19.60	39.3	19.9	0.0	0.00	69.1	3.6	0.0	0.0	350	05-Oct
PX08	87	279	23.50	40.2	17.7	0.0	0.00	77.1	2.3	0.0	0.0	350	06-Oct
PX08	87	280	17.50	39.7	17.1	0.0	0.00	95.0	2.9	0.0	0.0	350	07-Oct
PX08	87	281	19.10	39.6	17.4	0.0	0.00	129.6	5.1	0.0	0.0	350	08-Oct
PX08	87	282	18.30	37.7	19.3	0.0	0.00	138.2	8.8	0.0	0.0	350	09-Oct
PX08	87	283	19.00	37.1	19.1	0.0	0.00	121.0	9.5	0.0	0.0	350	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX10	33.40	112.00	2.30	0	1	1	0	1	350	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	87	92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX10	87	93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX10	87	94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX10	87	95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX10	87	96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX10	87	97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX10	87	98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX10	87	99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX10	87	100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX10	87	101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX10	87	102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX10	87	103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX10	87	104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX10	87	105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX10	87	106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX10	87	107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX10	87	108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX10	87	109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX10	87	110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX10	87	111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX10	87	112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX10	87	113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX10	87	114	28.10	35.6	16.2	0.0	0.00	121.0	4.1	0.0	0.0	350	24-Apr
PX10	87	115	28.10	35.6	19.7	0.0	0.00	172.8	10.3	0.0	0.0	350	25-Apr
PX10	87	116	28.10	37.0	19.9	0.0	0.00	155.5	10.9	0.0	0.0	350	26-Apr
PX10	87	117	22.30	35.7	21.2	0.0	0.00	224.6	11.8	0.0	0.0	350	27-Apr
PX10	87	118	28.00	35.1	19.2	0.0	0.00	224.6	11.6	0.0	0.0	350	28-Apr
PX10	87	119	22.40	35.8	21.2	0.0	0.00	164.2	9.9	0.0	0.0	350	29-Apr
PX10	87	120	24.00	33.5	19.6	0.3	0.00	164.2	9.8	0.0	0.0	350	30-Apr
PX10	87	121	29.10	31.1	13.0	0.0	0.00	155.5	7.8	0.0	0.0	350	01-May
PX10	87	122	25.80	29.9	16.5	0.0	0.00	129.6	7.7	0.0	0.0	350	02-May
PX10	87	123	29.50	34.4	13.4	0.0	0.00	95.0	2.5	0.0	0.0	350	03-May
PX10	87	124	29.70	36.3	14.8	0.0	0.00	77.8	2.9	0.0	0.0	350	04-May
PX10	87	125	29.10	38.5	15.9	0.0	0.00	66.5	2.5	0.0	0.0	350	05-May
PX10	87	126	29.30	38.1	20.6	0.0	0.00	155.5	6.7	0.0	0.0	350	06-May
PX10	87	127	28.10	37.3	23.8	0.0	0.00	172.8	7.8	0.0	0.0	350	07-May
PX10	87	128	29.30	36.1	22.2	0.0	0.00	164.2	8.9	0.0	0.0	350	08-May
PX10	87	129	29.50	37.8	19.6	0.0	0.00	86.4	9.2	0.0	0.0	350	09-May
PX10	87	130	27.30	37.4	22.9	0.0	0.00	103.7	11.9	0.0	0.0	350	10-May
PX10	87	131	29.10	37.5	20.0	1.5	0.00	95.0	12.5	0.0	0.0	350	11-May
PX10	87	132	28.50	39.0	25.7	0.0	0.00	129.6	9.5	0.0	0.0	350	12-May
PX10	87	133	28.90	40.0	21.8	0.0	0.00	138.2	8.8	0.0	0.0	350	13-May
PX10	87	134	25.60	40.0	24.9	0.0	0.00	164.2	11.5	0.0	0.0	350	14-May
PX10	87	135	24.00	37.7	21.7	0.3	0.00	181.4	13.6	0.0	0.0	350	15-May
PX10	87	136	28.10	36.6	20.9	0.0	0.00	86.4	11.4	0.0	0.0	350	16-May
PX10	87	137	29.10	38.4	20.9	0.0	0.00	121.0	9.0	0.0	0.0	350	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	87	138	29.30	38.5	22.5	0.0	0.00	190.1	7.4	0.0	0.0	350	18-May
PX10	87	139	24.40	35.2	21.7	0.0	0.00	172.8	6.4	0.0	0.0	350	19-May
PX10	87	140	26.40	34.6	20.6	0.0	0.00	233.3	8.6	0.0	0.0	350	20-May
PX10	87	141	29.50	32.3	17.1	0.0	0.00	138.2	8.2	0.0	0.0	350	21-May
PX10	87	142	29.30	35.6	16.8	0.0	0.00	121.0	3.8	0.0	0.0	350	22-May
PX10	87	143	31.20	35.7	17.4	0.0	0.00	146.9	-1.2	0.0	0.0	350	23-May
PX10	87	144	28.30	34.3	17.2	0.0	0.00	129.6	0.6	0.0	0.0	350	24-May
PX10	87	145	23.10	32.7	17.6	0.0	0.00	198.7	2.1	0.0	0.0	350	25-May
PX10	87	146	30.10	27.8	13.6	0.0	0.00	164.2	1.5	0.0	0.0	350	26-May
PX10	87	147	29.90	30.0	13.5	0.0	0.00	112.3	1.9	0.0	0.0	350	27-May
PX10	87	148	30.10	32.9	16.4	0.0	0.00	121.0	2.7	0.0	0.0	350	28-May
PX10	87	149	30.40	35.1	17.0	0.0	0.00	121.0	4.3	0.0	0.0	350	29-May
PX10	87	150	30.80	37.5	17.8	0.0	0.00	103.7	5.0	0.0	0.0	350	30-May
PX10	87	151	31.40	39.0	19.7	0.0	0.00	129.6	4.5	0.0	0.0	350	31-May
PX10	87	152	31.40	40.5	22.0	0.5	0.00	172.8	3.9	0.0	0.0	350	01-Jun
PX10	87	153	31.00	41.2	21.4	0.0	0.00	121.0	6.5	0.0	0.0	350	02-Jun
PX10	87	154	28.70	42.7	21.2	0.0	0.00	95.0	5.6	0.0	0.0	350	03-Jun
PX10	87	155	28.50	40.0	26.5	0.0	0.00	224.6	10.0	0.0	0.0	350	04-Jun
PX10	87	156	19.60	39.5	25.3	0.0	0.00	181.4	10.3	0.0	0.0	350	05-Jun
PX10	87	157	30.80	35.7	23.9	1.8	0.00	129.6	15.6	0.0	0.0	350	06-Jun
PX10	87	158	31.20	41.5	23.5	0.0	0.00	164.2	6.5	0.0	0.0	350	07-Jun
PX10	87	159	31.60	39.6	22.9	0.0	0.00	146.8	7.1	0.0	0.0	350	08-Jun
PX10	87	160	32.00	41.4	22.0	0.0	0.00	112.3	5.0	0.0	0.0	350	09-Jun
PX10	87	161	32.00	42.0	21.0	0.0	0.00	112.3	3.9	0.0	0.0	350	10-Jun
PX10	87	162	30.40	40.9	21.7	0.0	0.00	95.0	5.9	0.0	0.0	350	11-Jun
PX10	87	163	30.10	41.4	25.7	0.0	0.00	77.8	9.5	0.0	0.0	350	12-Jun
PX10	87	164	29.90	43.6	24.9	0.0	0.00	25.9	8.5	0.0	0.0	350	13-Jun
PX10	87	165	30.40	45.5	26.7	0.0	0.00	86.4	8.5	0.0	0.0	350	14-Jun
PX10	87	166	32.00	42.5	26.7	0.0	0.00	129.6	4.8	0.0	0.0	350	15-Jun
PX10	87	167	31.20	38.0	21.5	0.0	0.00	43.2	3.9	0.0	0.0	350	16-Jun
PX10	87	168	32.00	40.6	21.0	0.0	0.00	43.2	5.0	0.0	0.0	350	17-Jun
PX10	87	169	32.20	39.5	22.2	0.0	0.00	103.7	4.1	0.0	0.0	350	18-Jun
PX10	87	170	30.10	38.9	19.9	0.0	0.00	17.3	3.6	0.0	0.0	350	19-Jun
PX10	87	171	28.30	39.2	20.3	0.0	0.00	25.9	3.9	0.0	0.0	350	20-Jun
PX10	87	172	32.00	40.0	20.2	0.0	0.00	60.5	5.3	0.0	0.0	350	21-Jun
PX10	87	173	32.00	39.8	22.1	0.0	0.00	51.8	6.8	0.0	0.0	350	22-Jun
PX10	87	174	31.00	38.6	22.2	0.0	0.00	34.6	10.6	0.0	0.0	350	23-Jun
PX10	87	175	30.10	40.0	23.2	0.0	0.00	34.6	12.1	0.0	0.0	350	24-Jun
PX10	87	176	16.50	39.1	27.6	0.0	0.00	8.6	12.9	0.0	0.0	350	25-Jun
PX10	87	177	30.60	42.0	24.9	0.0	0.00	34.6	7.1	0.0	0.0	350	26-Jun
PX10	87	178	31.00	42.4	25.9	0.0	0.00	43.2	9.8	0.0	0.0	350	27-Jun
PX10	87	179	31.40	42.0	25.3	0.0	0.00	77.8	7.0	0.0	0.0	350	28-Jun
PX10	87	180	31.60	41.7	23.8	0.0	0.00	95.0	5.8	0.0	0.0	350	29-Jun
PX10	87	181	31.20	39.4	21.4	0.0	0.00	146.9	5.0	0.0	0.0	350	30-Jun
PX10	87	182	27.90	38.6	22.6	0.0	0.00	103.7	3.6	0.0	0.0	350	01-Jul
PX10	87	183	31.60	39.9	19.2	0.0	0.00	103.7	4.8	0.0	0.0	350	02-Jul
PX10	87	184	31.40	40.7	20.7	0.0	0.00	103.7	5.4	0.0	0.0	350	03-Jul
PX10	87	185	32.40	40.4	21.2	1.3	0.00	155.5	3.8	0.0	0.0	350	04-Jul
PX10	87	186	32.20	41.2	20.8	0.0	0.00	138.2	5.3	0.0	0.0	350	05-Jul
PX10	87	187	31.20	41.2	22.1	0.0	0.00	112.3	5.4	0.0	0.0	350	06-Jul
PX10	87	188	23.90	39.0	21.9	0.0	0.00	112.3	8.9	0.0	0.0	350	07-Jul
PX10	87	189	20.50	39.8	20.5	0.0	0.00	129.6	8.0	0.0	0.0	350	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	87	190	19.70	40.7	21.0	0.0	0.00	241.9	6.7	0.0	0.0	350	09-Jul
PX10	87	191	27.90	40.0	22.1	0.0	0.00	172.8	8.1	0.0	0.0	350	10-Jul
PX10	87	192	31.00	40.8	21.7	0.0	0.00	129.6	9.0	0.0	0.0	350	11-Jul
PX10	87	193	28.90	41.4	22.9	0.0	0.00	103.7	9.7	0.0	0.0	350	12-Jul
PX10	87	194	29.70	44.0	24.4	0.0	0.00	103.7	9.3	0.0	0.0	350	13-Jul
PX10	87	195	27.50	42.1	26.0	0.0	0.00	207.4	16.2	0.0	0.0	350	14-Jul
PX10	87	196	23.70	38.2	27.5	0.0	0.00	181.4	17.7	0.0	0.0	350	15-Jul
PX10	87	197	16.10	34.9	26.1	0.0	0.00	198.7	17.5	0.0	0.0	350	16-Jul
PX10	87	198	30.60	38.2	21.9	0.0	0.00	302.4	11.1	0.0	0.0	350	17-Jul
PX10	87	199	27.50	36.9	22.9	0.0	0.00	207.4	13.1	0.0	0.0	350	18-Jul
PX10	87	200	30.10	39.7	21.4	0.0	0.00	146.9	10.6	0.0	0.0	350	19-Jul
PX10	87	201	26.40	42.4	27.3	0.0	0.00	155.5	16.2	0.0	0.0	350	20-Jul
PX10	87	202	21.10	40.7	23.3	15.2	0.00	233.3	14.6	0.0	0.0	350	21-Jul
PX10	87	203	29.50	38.6	18.6	0.0	0.00	121.0	9.5	0.0	0.0	350	22-Jul
PX10	87	204	30.10	40.6	20.5	0.0	0.00	112.3	8.1	0.0	0.0	350	23-Jul
PX10	87	205	27.70	42.4	23.6	0.0	0.00	138.2	10.0	0.0	0.0	350	24-Jul
PX10	87	206	23.50	43.2	30.8	0.0	0.00	155.5	16.0	0.0	0.0	350	25-Jul
PX10	87	207	26.00	43.7	25.7	0.0	0.00	198.7	18.8	0.0	0.0	350	26-Jul
PX10	87	208	23.10	38.2	25.4	11.9	0.00	190.1	20.1	0.0	0.0	350	27-Jul
PX10	87	209	21.70	34.8	24.8	1.3	0.00	121.0	20.8	0.0	0.0	350	28-Jul
PX10	87	210	23.50	38.5	25.3	0.0	0.00	129.6	19.5	0.0	0.0	350	29-Jul
PX10	87	211	28.50	39.0	27.0	0.0	0.00	198.7	18.7	0.0	0.0	350	30-Jul
PX10	87	212	21.70	39.5	23.3	0.0	0.00	129.6	21.3	0.0	0.0	350	31-Jul
PX10	87	213	27.50	37.1	25.3	18.0	0.00	172.8	21.9	0.0	0.0	350	01-Aug
PX10	87	214	28.40	40.0	28.5	0.0	0.00	224.6	21.1	0.0	0.0	350	02-Aug
PX10	87	215	25.90	40.3	26.4	0.0	0.00	121.0	19.9	0.0	0.0	350	03-Aug
PX10	87	216	27.80	39.2	24.3	0.0	0.00	172.8	20.6	0.0	0.0	350	04-Aug
PX10	87	217	27.20	36.8	24.2	12.7	0.00	121.0	22.4	0.0	0.0	350	05-Aug
PX10	87	218	23.30	37.8	27.3	0.0	0.00	146.9	22.2	0.0	0.0	350	06-Aug
PX10	87	219	25.40	40.4	28.1	0.0	0.00	138.2	17.7	0.0	0.0	350	07-Aug
PX10	87	220	27.50	41.4	26.9	0.0	0.00	112.3	16.5	0.0	0.0	350	08-Aug
PX10	87	221	19.40	39.3	27.7	0.0	0.00	129.6	17.3	0.0	0.0	350	09-Aug
PX10	87	222	24.40	41.2	25.1	0.0	0.00	164.2	18.1	0.0	0.0	350	10-Aug
PX10	87	223	12.50	30.0	23.2	7.9	0.00	95.0	21.5	0.0	0.0	350	11-Aug
PX10	87	224	27.30	36.7	24.3	0.0	0.00	146.9	19.9	0.0	0.0	350	12-Aug
PX10	87	225	28.00	38.4	24.7	0.0	0.00	129.6	15.7	0.0	0.0	350	13-Aug
PX10	87	226	28.30	39.0	25.0	0.0	0.00	285.1	13.1	0.0	0.0	350	14-Aug
PX10	87	227	28.80	38.3	22.1	0.0	0.00	181.4	10.7	0.0	0.0	350	15-Aug
PX10	87	228	28.10	39.1	20.7	0.0	0.00	112.3	8.6	0.0	0.0	350	16-Aug
PX10	87	229	27.80	41.5	20.5	0.0	0.00	95.0	9.7	0.0	0.0	350	17-Aug
PX10	87	230	27.40	40.0	22.4	0.0	0.00	103.7	12.9	0.0	0.0	350	18-Aug
PX10	87	231	25.90	38.7	25.5	0.0	0.00	129.6	15.0	0.0	0.0	350	19-Aug
PX10	87	232	26.00	40.3	29.5	0.0	0.00	155.5	17.7	0.0	0.0	350	20-Aug
PX10	87	233	24.90	40.5	27.4	0.0	0.00	146.9	17.2	0.0	0.0	350	21-Aug
PX10	87	234	24.80	38.4	27.8	0.0	0.00	181.4	18.9	0.0	0.0	350	22-Aug
PX10	87	235	17.80	34.7	24.4	3.6	0.00	121.0	20.1	0.0	0.0	350	23-Aug
PX10	87	236	19.40	38.3	24.0	3.0	0.00	224.6	19.1	0.0	0.0	350	24-Aug
PX10	87	237	21.60	34.2	20.9	21.1	0.00	138.2	20.2	0.0	0.0	350	25-Aug
PX10	87	238	25.60	35.3	20.9	0.0	0.00	172.8	16.4	0.0	0.0	350	26-Aug
PX10	87	239	25.70	36.9	21.0	0.0	0.00	95.0	13.7	0.0	0.0	350	27-Aug
PX10	87	240	24.80	39.7	23.1	0.0	0.00	103.7	13.4	0.0	0.0	350	28-Aug
PX10	87	241	25.00	41.3	24.6	0.0	0.00	146.9	13.2	0.0	0.0	350	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX10	87	242	25.60	40.9	23.3	0.0	0.00	86.4	12.7	0.0	0.0	350	30-Aug
PX10	87	243	25.30	43.4	24.7	0.0	0.00	138.2	10.9	0.0	0.0	350	31-Aug
PX10	87	244	25.40	39.6	28.7	0.0	0.00	198.7	12.0	0.0	0.0	350	01-Sep
PX10	87	245	25.80	38.8	24.5	0.0	0.00	146.9	11.0	0.0	0.0	350	02-Sep
PX10	87	246	10.40	33.9	25.8	0.0	0.00	129.6	14.9	0.0	0.0	350	03-Sep
PX10	87	247	23.60	33.8	24.3	0.0	0.00	146.9	16.9	0.0	0.0	350	04-Sep
PX10	87	248	23.70	35.5	24.0	0.0	0.00	95.0	15.5	0.0	0.0	350	05-Sep
PX10	87	249	23.70	37.1	23.2	0.0	0.00	95.0	13.6	0.0	0.0	350	06-Sep
PX10	87	250	24.30	38.0	21.9	0.0	0.00	103.7	8.0	0.0	0.0	350	07-Sep
PX10	87	251	24.70	37.8	18.9	0.0	0.00	95.0	8.1	0.0	0.0	350	08-Sep
PX10	87	252	23.50	37.0	18.9	0.0	0.00	103.7	7.4	0.0	0.0	350	09-Sep
PX10	87	253	22.90	38.2	19.8	0.0	0.00	95.0	8.1	0.0	0.0	350	10-Sep
PX10	87	254	23.10	38.3	21.5	0.0	0.00	129.6	6.7	0.0	0.0	350	11-Sep
PX10	87	255	23.40	37.2	20.4	0.0	0.00	181.4	7.5	0.0	0.0	350	12-Sep
PX10	87	256	22.60	34.2	22.1	0.0	0.00	293.8	9.8	0.0	0.0	350	13-Sep
PX10	87	257	22.00	32.6	17.6	0.0	0.00	103.7	7.3	0.0	0.0	350	14-Sep
PX10	87	258	22.30	33.3	18.6	0.0	0.00	112.3	10.1	0.0	0.0	350	15-Sep
PX10	87	259	18.50	34.4	19.7	0.0	0.00	103.7	11.1	0.0	0.0	350	16-Sep
PX10	87	260	15.10	33.5	19.9	0.0	0.00	164.2	11.0	0.0	0.0	350	17-Sep
PX10	87	261	21.50	34.1	19.5	0.0	0.00	112.3	13.0	0.0	0.0	350	18-Sep
PX10	87	262	21.50	36.2	21.0	0.0	0.00	112.3	12.0	0.0	0.0	350	19-Sep
PX10	87	263	21.60	37.4	20.3	0.0	0.00	129.6	11.3	0.0	0.0	350	20-Sep
PX10	87	264	17.40	35.8	22.1	0.0	0.00	164.2	15.7	0.0	0.0	350	21-Sep
PX10	87	265	15.00	35.1	19.4	0.0	0.00	164.2	18.9	0.0	0.0	350	22-Sep
PX10	87	266	15.10	31.3	18.3	9.7	0.00	103.7	19.1	0.0	0.0	350	23-Sep
PX10	87	267	18.20	31.1	19.4	6.9	0.00	86.4	19.3	0.0	0.0	350	24-Sep
PX10	87	268	21.20	34.7	18.7	0.5	0.00	86.4	16.6	0.0	0.0	350	25-Sep
PX10	87	269	20.00	35.8	19.8	0.0	0.00	103.7	15.2	0.0	0.0	350	26-Sep
PX10	87	270	20.40	37.3	20.4	0.0	0.00	77.8	14.5	0.0	0.0	350	27-Sep
PX10	87	271	19.40	37.5	20.3	0.0	0.00	103.7	13.7	0.0	0.0	350	28-Sep
PX10	87	272	20.50	38.0	21.5	0.0	0.00	190.1	12.2	0.0	0.0	350	29-Sep
PX10	87	273	20.80	36.4	20.0	0.0	0.00	129.6	11.1	0.0	0.0	350	30-Sep
PX10	87	274	20.60	36.7	24.8	0.0	0.00	129.6	8.1	0.0	0.0	350	01-Oct
PX10	87	275	20.40	37.7	20.4	0.0	0.00	181.4	9.2	0.0	0.0	350	02-Oct
PX10	87	276	20.20	37.7	19.4	0.0	0.00	112.3	2.9	0.0	0.0	350	03-Oct
PX10	87	277	19.90	38.0	18.5	0.0	0.00	60.5	4.6	0.0	0.0	350	04-Oct
PX10	87	278	19.60	39.4	20.2	0.0	0.00	69.1	3.8	0.0	0.0	350	05-Oct
PX10	87	279	23.50	39.8	18.2	0.0	0.00	77.1	2.3	0.0	0.0	350	06-Oct
PX10	87	280	17.50	39.3	17.5	0.0	0.00	95.0	2.9	0.0	0.0	350	07-Oct
PX10	87	281	19.10	39.4	17.7	0.0	0.00	129.6	5.3	0.0	0.0	350	08-Oct
PX10	87	282	18.30	37.6	19.5	0.0	0.00	138.2	8.9	0.0	0.0	350	09-Oct
PX10	87	283	19.00	37.3	19.5	0.0	0.00	121.0	9.5	0.0	0.0	350	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX02	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX02	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX02	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX02	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX02	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX02	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX02	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX02	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX02	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX02	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX02	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX02	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX02	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX02	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX02	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX02	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX02	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX02	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX02	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX02	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX02	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX02	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX02	87 114	28.10	36.0	15.5	0.0	0.00	121.0	4.3	0.0	0.0	350	24-Apr
PX02	87 115	28.10	36.6	20.2	0.0	0.00	172.8	8.0	0.0	0.0	350	25-Apr
PX02	87 116	28.10	37.9	20.4	0.0	0.00	155.5	7.3	0.0	0.0	350	26-Apr
PX02	87 117	22.30	36.1	21.2	0.0	0.00	224.6	13.2	0.0	0.0	350	27-Apr
PX02	87 118	28.00	35.5	19.3	0.0	0.00	224.6	9.5	0.0	0.0	350	28-Apr
PX02	87 119	22.40	36.3	21.3	0.0	0.00	164.2	8.5	0.0	0.0	350	29-Apr
PX02	87 120	24.00	34.3	20.4	0.3	0.00	164.2	9.7	0.0	0.0	350	30-Apr
PX02	87 121	29.10	21.8	13.3	0.0	0.00	155.5	7.5	0.0	0.0	350	01-May
PX02	87 122	25.80	30.5	16.7	0.0	0.00	129.6	7.7	0.0	0.0	350	02-May
PX02	87 123	29.50	34.0	13.7	0.0	0.00	95.0	3.8	0.0	0.0	350	03-May
PX02	87 124	29.70	36.2	13.8	0.0	0.00	77.8	0.4	0.0	0.0	350	04-May
PX02	87 125	29.10	37.7	15.4	0.0	0.00	66.5	2.7	0.0	0.0	350	05-May
PX02	87 126	29.30	38.1	20.1	0.0	0.00	155.5	7.0	0.0	0.0	350	06-May
PX02	87 127	28.10	37.2	23.8	0.0	0.00	172.8	8.2	0.0	0.0	350	07-May
PX02	87 128	29.30	36.2	21.7	0.0	0.00	164.2	9.2	0.0	0.0	350	08-May
PX02	87 129	29.50	38.2	19.1	0.0	0.00	86.4	9.4	0.0	0.0	350	09-May
PX02	87 130	27.30	37.5	22.9	0.0	0.00	103.7	12.4	0.0	0.0	350	10-May
PX02	87 131	29.10	37.6	19.3	1.5	0.00	95.0	12.9	0.0	0.0	350	11-May
PX02	87 132	28.50	39.5	25.2	0.0	0.00	129.6	8.8	0.0	0.0	350	12-May
PX02	87 133	28.90	40.2	21.0	0.0	0.00	138.2	9.3	0.0	0.0	350	13-May
PX02	87 134	25.60	40.1	24.5	0.0	0.00	164.2	12.0	0.0	0.0	350	14-May
PX02	87 135	24.00	38.0	21.3	0.3	0.00	181.4	13.8	0.0	0.0	350	15-May
PX02	87 136	28.10	37.0	19.9	0.0	0.00	86.4	10.6	0.0	0.0	350	16-May
PX02	87 137	29.10	38.8	20.1	0.0	0.00	121.0	8.5	0.0	0.0	350	17-May

	IYR	SOLRAD		XTMIN		XPAR		DEWPT		STMIN		A00
INSTW	JUL		XTMAX		XRAIN		WIND		STMAX		CO2	
PX02	87 138	29.30	38.8	22.0	0.0	0.00	190.1	6.7	0.0	0.0	350	18-May
PX02	87 139	24.40	35.9	21.4	0.0	0.00	172.8	5.8	0.0	0.0	350	19-May
PX02	87 140	26.40	34.5	19.6	0.0	0.00	233.3	13.0	0.0	0.0	350	20-May
PX02	87 141	29.50	32.5	16.4	0.0	0.00	138.2	13.0	0.0	0.0	350	21-May
PX02	87 142	29.30	36.6	15.8	0.0	0.00	121.0	10.0	0.0	0.0	350	22-May
PX02	87 143	31.20	36.0	16.2	0.0	0.00	146.9	0.6	0.0	0.0	350	23-May
PX02	87 144	28.30	34.7	16.7	0.0	0.00	129.6	1.1	0.0	0.0	350	24-May
PX02	87 145	23.10	33.1	17.2	0.0	0.00	198.7	2.3	0.0	0.0	350	25-May
PX02	87 146	30.10	28.5	13.2	0.0	0.00	164.2	1.7	0.0	0.0	350	26-May
PX02	87 147	29.90	30.5	12.4	0.0	0.00	112.3	2.3	0.0	0.0	350	27-May
PX02	87 148	30.10	33.1	16.0	0.0	0.00	121.0	9.9	0.0	0.0	350	28-May
PX02	87 149	30.40	35.1	16.2	0.0	0.00	121.0	7.5	0.0	0.0	350	29-May
PX02	87 150	30.80	37.7	17.4	0.0	0.00	103.7	5.0	0.0	0.0	350	30-May
PX02	87 151	31.40	39.0	18.3	0.0	0.00	129.6	6.2	0.0	0.0	350	31-May
PX02	87 152	31.40	40.4	21.5	0.5	0.00	172.8	7.0	0.0	0.0	350	01-Jun
PX02	87 153	31.00	41.1	20.8	0.0	0.00	121.0	8.8	0.0	0.0	350	02-Jun
PX02	87 154	28.70	42.7	20.6	0.0	0.00	95.0	8.1	0.0	0.0	350	03-Jun
PX02	87 155	28.50	40.1	26.3	0.0	0.00	224.6	11.5	0.0	0.0	350	04-Jun
PX02	87 156	19.60	39.5	24.7	0.0	0.00	181.4	11.5	0.0	0.0	350	05-Jun
PX02	87 157	30.80	35.4	23.4	1.8	0.00	129.6	16.8	0.0	0.0	350	06-Jun
PX02	87 158	31.20	41.1	23.2	0.0	0.00	164.2	13.7	0.0	0.0	350	07-Jun
PX02	87 159	31.60	41.4	22.5	0.0	0.00	146.8	9.3	0.0	0.0	350	08-Jun
PX02	87 160	32.00	39.9	21.9	0.0	0.00	112.3	9.8	0.0	0.0	350	09-Jun
PX02	87 161	32.00	41.2	20.2	0.0	0.00	112.3	8.0	0.0	0.0	350	10-Jun
PX02	87 162	30.40	40.7	20.7	0.0	0.00	95.0	8.5	0.0	0.0	350	11-Jun
PX02	87 163	30.10	40.9	25.0	0.0	0.00	77.8	12.0	0.0	0.0	350	12-Jun
PX02	87 164	29.90	43.3	24.0	0.0	0.00	25.9	11.5	0.0	0.0	350	13-Jun
PX02	87 165	30.40	45.2	25.8	0.0	0.00	86.4	11.9	0.0	0.0	350	14-Jun
PX02	87 166	32.00	41.6	25.6	0.0	0.00	129.6	9.5	0.0	0.0	350	15-Jun
PX02	87 167	31.20	38.8	20.5	0.0	0.00	43.2	8.1	0.0	0.0	350	16-Jun
PX02	87 168	32.00	38.9	18.6	0.0	0.00	43.2	9.3	0.0	0.0	350	17-Jun
PX02	87 169	32.20	38.0	19.7	0.0	0.00	103.7	6.2	0.0	0.0	350	18-Jun
PX02	87 170	30.10	37.6	19.9	0.0	0.00	17.3	5.6	0.0	0.0	350	19-Jun
PX02	87 171	28.30	37.7	18.4	·0.0	0.00	25.9	6.1	0.0	0.0	350	20-Jun
PX02	87 172	32.00	38.5	19.3	0.0	0.00	60.5	7.4	0.0	0.0	350	21-Jun
PX02	87 173	32.00	38.2	20.3	0.0	0.00	51.8	8.5	0.0	0.0	350	22-Jun
PX02	87 174	31.00	38.2	20.2	0.0	0.00	34.6	12.4	0.0	0.0	350	23-Jun
PX02	87 175	30.10	37.9	21.9	0.0	0.00	34.6	14.2	0.0	0.0	350	24-Jun
PX02	87 176	16.50	38.3	26.6	0.0	0.00	8.6	13.1	0.0	0.0	350	25-Jun
PX02	87 177	30.60	40.7	24.0	0.0	0.00	34.6	13.1	0.0	0.0	350	26-Jun
PX02	87 178	31.00	40.7	24.9	0.0	0.00	43.2	11.2	0.0	0.0	350	27-Jun
PX02	87 179	31.40	40.2	23.8	0.0	0.00	77.8	8.5	0.0	0.0	350	28-Jun
PX02	87 180	31.60	39.9	22.9	0.0	0.00	95.0	7.8	0.0	0.0	350	29-Jun
PX02	87 181	31.20	39.4	19.1	0.0	0.00	146.9	5.3	0.0	0.0	350	30-Jun
PX02	87 182	27.90	37.9	21.3	0.0	0.00	103.7	5.1	0.0	0.0	350	01-Jul
PX02	87 183	31.60	39.0	17.3	0.0	0.00	103.7	7.4	0.0	0.0	350	02-Jul
PX02	87 184	31.40	39.5	19.1	0.0	0.00	103.7	8.1	0.0	0.0	350	03-Jul
PX02	87 185	32.40	39.1	19.6	1.3	0.00	155.5	6.8	0.0	0.0	350	04-Jul
PX02	87 186	32.20	40.2	19.1	0.0	0.00	138.2	6.2	0.0	0.0	350	05-Jul
PX02	87 187	31.20	40.3	20.9	0.0	0.00	112.3	7.1	0.0	0.0	350	06-Jul
PX02	87 188	23.90	39.2	20.4	0.0	0.00	112.3	9.7	0.0	0.0	350	07-Jul
PX02	87 189	20.50	39.6	20.4	0.0	0.00	129.6	8.9	0.0	0.0	350	08-Jul

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	87 190	19.70	40.4	20.5	0.0	0.00	241.9	7.8	0.0	0.0	350	09-Jul
PX02	87 191	27.90	40.1	20.9	0.0	0.00	172.8	8.4	0.0	0.0	350	10-Jul
PX02	87 192	31.00	39.7	20.0	0.0	0.00	129.6	8.9	0.0	0.0	350	11-Jul
PX02	87 193	28.90	40.4	21.9	0.0	0.00	103.7	9.0	0.0	0.0	350	12-Jul
PX02	87 194	29.70	42.8	23.3	0.0	0.00	103.7	16.4	0.0	0.0	350	13-Jul
PX02	87 195	27.50	42.0	25.1	0.0	0.00	207.4	13.0	0.0	0.0	350	14-Jul
PX02	87 196	23.70	37.4	26.6	0.0	0.00	181.4	16.4	0.0	0.0	350	15-Jul
PX02	87 197	16.10	34.5	25.7	0.0	0.00	198.7	18.1	0.0	0.0	350	16-Jul
PX02	87 198	30.60	38.1	21.2	0.0	0.00	302.4	11.3	0.0	0.0	350	17-Jul
PX02	87 199	27.50	36.5	22.5	0.0	0.00	207.4	13.6	0.0	0.0	350	18-Jul
PX02	87 200	30.10	39.1	21.2	0.0	0.00	146.9	11.2	0.0	0.0	350	19-Jul
PX02	87 201	26.40	41.9	27.1	0.0	0.00	155.5	16.6	0.0	0.0	350	20-Jul
PX02	87 202	21.10	41.4	22.1	15.2	0.00	233.3	15.0	0.0	0.0	350	21-Jul
PX02	87 203	29.50	38.2	17.8	0.0	0.00	121.0	10.4	0.0	0.0	350	22-Jul
PX02	87 204	30.10	40.3	19.4	0.0	0.00	112.3	8.6	0.0	0.0	350	23-Jul
PX02	87 205	27.70	41.9	22.0	0.0	0.00	138.2	10.4	0.0	0.0	350	24-Jul
PX02	87 206	23.50	42.6	30.4	0.0	0.00	155.5	16.4	0.0	0.0	350	25-Jul
PX02	87 207	26.00	43.4	25.9	0.0	0.00	198.7	19.7	0.0	0.0	350	26-Jul
PX02	87 208	23.10	37.0	24.9	11.9	0.00	190.1	21.2	0.0	0.0	350	27-Jul
PX02	87 209	21.70	34.5	24.6	1.3	0.00	121.0	21.6	0.0	0.0	350	28-Jul
PX02	87 210	23.50	37.4	24.4	0.0	0.00	129.6	20.5	0.0	0.0	350	29-Jul
PX02	87 211	28.50	39.0	25.9	0.0	0.00	198.7	19.7	0.0	0.0	350	30-Jul
PX02	87 212	21.70	39.5	23.2	0.0	0.00	129.6	22.0	0.0	0.0	350	31-Jul
PX02	87 213	27.50	37.4	25.1	18.0	0.00	172.8	23.2	0.0	0.0	350	01-Aug
PX02	87 214	28.40	39.3	28.3	0.0	0.00	224.6	23.1	0.0	0.0	350	02-Aug
PX02	87 215	25.90	39.1	24.8	0.0	0.00	121.0	21.3	0.0	0.0	350	03-Aug
PX02	87 216	27.80	38.8	24.5	0.0	0.00	172.8	21.2	0.0	0.0	350	04-Aug
PX02	87 217	27.20	35.7	24.4	12.7	0.00	121.0	23.3	0.0	0.0	350	05-Aug
PX02	87 218	23.30	37.0	27.1	0.0	0.00	146.9	23.1	0.0	0.0	350	06-Aug
PX02	87 219	25.40	39.5	27.8	0.0	0.00	138.2	19.1	0.0	0.0	350	07-Aug
PX02	87 220	27.50	39.4	26.5	0.0	0.00	112.3	18.7	0.0	0.0	350	08-Aug
PX02	87 221	19.40	37.7	27.2	0.0	0.00	129.6	19.8	0.0	0.0	350	09-Aug
PX02	87 222	24.40	39.4	25.2	0.0	0.00	164.2	19.7	0.0	0.0	350	10-Aug
PX02	87 223	12.50	29.8	23.2	7.9	0.00	95.0	22.4	0.0	0.0	350	11-Aug
PX02	87 224	27.30	36.8	24.1	0.0	0.00	146.9	21.2	0.0	0.0	350	12-Aug
PX02	87 225	28.00	37.4	24.1	0.0	0.00	129.6	17.3	0.0	0.0	350	13-Aug
PX02	87 226	28.30	38.8	24.1	0.0	0.00	285.1	14.3	0.0	0.0	350	14-Aug
PX02	87 227	28.80	37.3	21.1	0.0	0.00	181.4	12.4	0.0	0.0	350	15-Aug
PX02	87 228	28.10	38.5	20.3	0.0	0.00	112.3	10.4	0.0	0.0	350	16-Aug
PX02	87 229	27.80	40.1	20.1	0.0	0.00	95.0	10.7	0.0	0.0	350	17-Aug
PX02	87 230	27.40	39.7	22.0	0.0	0.00	103.7	13.0	0.0	0.0	350	18-Aug
PX02	87 231	25.90	37.2	24.3	0.0	0.00	129.6	15.8	0.0	0.0	350	19-Aug
PX02	87 232	26.00	39.3	29.1	0.0	0.00	155.5	17.8	0.0	0.0	350	20-Aug
PX02	87 233	24.90	39.0	26.9	0.0	0.00	146.9	17.7	0.0	0.0	350	21-Aug
PX02	87 234	24.80	37.1	27.3	0.0	0.00	181.4	19.7	0.0	0.0	350	22-Aug
PX02	87 235	17.80	33.9	22.4	3.6	0.00	121.0	20.5	0.0	0.0	350	23-Aug
PX02	87 236	19.40	36.8	23.8	3.0	0.00	224.6	19.5	0.0	0.0	350	24-Aug
PX02	87 237	21.60	34.8	22.0	21.1	0.00	138.2	18.9	0.0	0.0	350	25-Aug
PX02	87 238	25.60	33.5	21.1	0.0	0.00	172.8	16.6	0.0	0.0	350	26-Aug
PX02	87 239	25.70	35.6	19.8	0.0	0.00	95.0	14.6	0.0	0.0	350	27-Aug
PX02	87 240	24.80	38.7	21.7	0.0	0.00	103.7	14.9	0.0	0.0	350	28-Aug
PX02	87 241	25.00	39.1	23.0	0.0	0.00	146.9	15.0	0.0	0.0	350	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX02	87	242	25.60	38.6	22.2	0.0	0.00	86.4	14.8	0.0	0.0	350	30-Aug
PX02	87	243	25.30	41.3	23.9	0.0	0.00	138.2	13.0	0.0	0.0	350	31-Aug
PX02	87	244	25.40	38.9	27.2	0.0	0.00	198.7	13.8	0.0	0.0	350	01-Sep
PX02	87	245	25.80	38.1	23.4	0.0	0.00	146.9	13.3	0.0	0.0	350	02-Sep
PX02	87	246	10.40	33.0	25.5	0.0	0.00	129.6	16.9	0.0	0.0	350	03-Sep
PX02	87	247	23.60	33.1	23.8	0.0	0.00	146.9	18.5	0.0	0.0	350	04-Sep
PX02	87	248	23.70	34.4	23.4	0.0	0.00	95.0	17.7	0.0	0.0	350	05-Sep
PX02	87	249	23.70	35.7	22.7	0.0	0.00	95.0	16.2	0.0	0.0	350	06-Sep
PX02	87	250	24.30	36.6	21.5	0.0	0.00	103.7	12.0	0.0	0.0	350	07-Sep
PX02	87	251	24.70	36.6	18.2	0.0	0.00	95.0	9.9	0.0	0.0	350	08-Sep
PX02	87	252	23.50	35.3	17.4	0.0	0.00	103.7	9.5	0.0	0.0	350	09-Sep
PX02	87	253	22.90	36.7	18.3	0.0	0.00	95.0	10.0	0.0	0.0	350	10-Sep
PX02	87	254	23.10	37.4	20.9	0.0	0.00	129.6	8.8	0.0	0.0	350	11-Sep
PX02	87	255	23.40	36.4	19.2	0.0	0.00	181.4	9.7	0.0	0.0	350	12-Sep
PX02	87	256	22.60	33.7	21.3	0.0	0.00	293.8	11.6	0.0	0.0	350	13-Sep
PX02	87	257	22.00	32.0	16.4	0.0	0.00	103.7	9.8	0.0	0.0	350	14-Sep
PX02	87	258	22.30	33.4	17.2	0.0	0.00	112.3	12.4	0.0	0.0	350	15-Sep
PX02	87	259	18.50	33.7	18.5	0.0	0.00	103.7	12.5	0.0	0.0	350	16-Sep
PX02	87	260	15.10	33.2	18.9	0.0	0.00	164.2	11.1	0.0	0.0	350	17-Sep
PX02	87	261	21.50	33.4	18.9	0.0	0.00	112.3	13.3	0.0	0.0	350	18-Sep
PX02	87	262	21.50	35.5	20.5	0.0	0.00	112.3	11.9	0.0	0.0	350	19-Sep
PX02	87	263	21.60	36.5	19.4	0.0	0.00	129.6	11.2	0.0	0.0	350	20-Sep
PX02	87	264	17.40	35.4	21.6	0.0	0.00	164.2	15.4	0.0	0.0	350	21-Sep
PX02	87	265	15.00	36.2	19.9	0.0	0.00	164.2	16.4	0.0	0.0	350	22-Sep
PX02	87	266	15.10	33.1	17.9	9.7	0.00	103.7	20.8	0.0	0.0	350	23-Sep
PX02	87	267	18.20	33.0	18.3	6.9	0.00	86.4	22.2	0.0	0.0	350	24-Sep
PX02	87	268	21.20	34.1	18.5	0.5	0.00	86.4	17.9	0.0	0.0	350	25-Sep
PX02	87	269	20.00	35.5	19.1	0.0	0.00	103.7	15.9	0.0	0.0	350	26-Sep
PX02	87	270	20.40	37.0	19.5	0.0	0.00	77.8	15.1	0.0	0.0	350	27-Sep
PX02	87	271	19.40	37.4	19.6	0.0	0.00	103.7	14.9	0.0	0.0	350	28-Sep
PX02	87	272	20.50	38.3	20.5	0.0	0.00	190.1	14.3	0.0	0.0	350	29-Sep
PX02	87	273	20.80	36.1	19.1	0.0	0.00	129.6	14.0	0.0	0.0	350	30-Sep
PX02	87	274	20.60	36.5	24.4	0.0	0.00	129.6	11.0	0.0	0.0	350	01-Oct
PX02	87	275	20.40	37.2	19.3	0.0	0.00	181.4	10.5	0.0	0.0	350	02-Oct
PX02	87	276	20.20	37.5	18.6	0.0	0.00	112.3	10.1	0.0	0.0	350	03-Oct
PX02	87	277	19.90	37.5	17.9	0.0	0.00	60.5	9.8	0.0	0.0	350	04-Oct
PX02	87	278	19.60	38.9	19.1	0.0	0.00	69.1	6.4	0.0	0.0	350	05-Oct
PX02	87	279	23.50	39.2	17.2	0.0	0.00	77.1	3.0	0.0	0.0	350	06-Oct
PX02	87	280	17.50	38.8	16.8	0.0	0.00	95.0	3.6	0.0	0.0	350	07-Oct
PX02	87	281	19.10	38.9	17.0	0.0	0.00	129.6	6.5	0.0	0.0	350	08-Oct
PX02	87	282	18.30	37.3	19.0	0.0	0.00	138.2	10.6	0.0	0.0	350	09-Oct
PX02	87	283	19.00	36.7	19.0	0.0	0.00	121.0	11.6	0.0	0.0	350	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓		CO2YR	WINDYR
PX16	33.40	112.00	2.30	0 1 1 0 1		350	0.0

INSTW		JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	87	92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX16	87	93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX16	87	94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX16	87	95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX16	87	96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX16	87	97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX16	87	98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX16	87	99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX16	87	100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX16	87	101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX16	87	102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX16	87	103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX16	87	104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX16	87	105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX16	87	106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX16	87	107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX16	87	108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX16	87	109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX16	87	110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX16	87	111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX16	87	112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX16	87	113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX16	87	114	28.10	36.4	15.6	0.0	0.00	121.0	5.1	0.0	0.0	350	24-Apr
PX16	87	115	28.10	36.3	20.3	0.0	0.00	172.8	12.8	0.0	0.0	350	25-Apr
PX16	87	116	28.10	38.2	20.7	0.0	0.00	155.5	10.1	0.0	0.0	350	26-Apr
PX16	87	117	22.30	36.5	21.8	0.0	0.00	224.6	10.4	0.0	0.0	350	27-Apr
PX16	87	118	28.00	36.2	19.2	0.0	0.00	224.6	11.8	0.0	0.0	350	28-Apr
PX16	87	119	22.40	36.5	22.0	0.0	0.00	164.2	7.1	0.0	0.0	350	29-Apr
PX16	87	120	24.00	34.3	20.8	0.3	0.00	164.2	8.9	0.0	0.0	350	30-Apr
PX16	87	121	29.10	31.9	13.6	0.0	0.00	155.5	5.0	0.0	0.0	350	01-May
PX16	87	122	25.80	30.6	16.9	0.0	0.00	129.6	4.1	0.0	0.0	350	02-May
PX16	87	123	29.50	34.1	13.9	0.0	0.00	95.0	4.6	0.0	0.0	350	03-May
PX16	87	124	29.70	36.5	15.1	0.0	0.00	77.8	9.7	0.0	0.0	350	04-May
PX16	87	125	29.10	38.6	16.2	0.0	0.00	66.5	4.5	0.0	0.0	350	05-May
PX16	87	126	29.30	37.9	20.9	0.0	0.00	155.5	13.6	0.0	0.0	350	06-May
PX16	87	127	28.10	37.4	24.0	0.0	0.00	172.8	7.4	0.0	0.0	350	07-May
PX16	87	128	29.30	35.0	21.8	0.0	0.00	164.2	13.5	0.0	0.0	350	08-May
PX16	87	129	29.50	37.9	18.9	0.0	0.00	86.4	11.1	0.0	0.0	350	09-May
PX16	87	130	27.30	37.1	22.5	0.0	0.00	103.7	10.9	0.0	0.0	350	10-May
PX16	87	131	29.10	37.1	19.2	1.5	0.00	95.0	14.3	0.0	0.0	350	11-May
PX16	87	132	28.50	39.6	25.2	0.0	0.00	129.6	13.4	0.0	0.0	350	12-May
PX16	87	133	28.90	40.0	21.2	0.0	0.00	138.2	12.5	0.0	0.0	350	13-May
PX16	87	134	25.60	39.9	23.2	0.0	0.00	164.2	14.1	0.0	0.0	350	14-May
PX16	87	135	24.00	37.6	19.5	0.3	0.00	181.4	16.7	0.0	0.0	350	15-May
PX16	87	136	28.10	36.8	18.7	0.0	0.00	86.4	12.6	0.0	0.0	350	16-May
PX16	87	137	29.10	36.6	18.9	0.0	0.00	121.0	10.3	0.0	0.0	350	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	87	138	29.30	36.7	20.9	0.0	0.00	190.1	9.4	0.0	0.0	350	18-May
PX16	87	139	24.40	34.3	20.9	0.0	0.00	172.8	9.2	0.0	0.0	350	19-May
PX16	87	140	26.40	34.5	19.6	0.0	0.00	233.3	11.4	0.0	0.0	350	20-May
PX16	87	141	29.50	32.2	16.9	0.0	0.00	138.2	8.5	0.0	0.0	350	21-May
PX16	87	142	29.30	34.9	14.6	0.0	0.00	121.0	8.5	0.0	0.0	350	22-May
PX16	87	143	31.20	35.7	17.3	0.0	0.00	146.9	6.4	0.0	0.0	350	23-May
PX16	87	144	28.30	34.5	17.2	0.0	0.00	129.6	7.0	0.0	0.0	350	24-May
PX16	87	145	23.10	33.1	17.5	0.0	0.00	198.7	8.0	0.0	0.0	350	25-May
PX16	87	146	30.10	28.0	13.4	0.0	0.00	164.2	6.4	0.0	0.0	350	26-May
PX16	87	147	29.90	29.9	13.3	0.0	0.00	112.3	7.1	0.0	0.0	350	27-May
PX16	87	148	30.10	31.5	16.2	0.0	0.00	121.0	3.4	0.0	0.0	350	28-May
PX16	87	149	30.40	34.6	16.5	0.0	0.00	121.0	4.1	0.0	0.0	350	29-May
PX16	87	150	30.80	37.2	17.4	0.0	0.00	103.7	1.9	0.0	0.0	350	30-May
PX16	87	151	31.40	38.7	18.8	0.0	0.00	129.6	2.5	0.0	0.0	350	31-May
PX16	87	152	31.40	39.9	22.0	0.5	0.00	172.8	2.9	0.0	0.0	350	01-Jun
PX16	87	153	31.00	40.8	20.9	0.0	0.00	121.0	5.4	0.0	0.0	350	02-Jun
PX16	87	154	28.70	42.2	21.2	0.0	0.00	95.0	4.8	0.0	0.0	350	03-Jun
PX16	87	155	28.50	39.5	25.5	0.0	0.00	224.6	9.2	0.0	0.0	350	04-Jun
PX16	87	156	19.60	39.2	25.2	0.0	0.00	181.4	9.4	0.0	0.0	350	05-Jun
PX16	87	157	30.80	34.3	23.4	1.8	0.00	129.6	15.8	0.0	0.0	350	06-Jun
PX16	87	158	31.20	40.4	22.8	0.0	0.00	164.2	12.2	0.0	0.0	350	07-Jun
PX16	87	159	31.60	40.0	23.3	0.0	0.00	146.8	7.4	0.0	0.0	350	08-Jun
PX16	87	160	32.00	39.3	21.8	0.0	0.00	112.3	7.7	0.0	0.0	350	09-Jun
PX16	87	161	32.00	40.3	21.6	0.0	0.00	112.3	12.7	0.0	0.0	350	10-Jun
PX16	87	162	30.40	39.9	21.0	0.0	0.00	95.0	11.0	0.0	0.0	350	11-Jun
PX16	87	163	30.10	40.4	25.3	0.0	0.00	77.8	12.4	0.0	0.0	350	12-Jun
PX16	87	164	29.90	42.4	24.4	0.0	0.00	25.9	13.0	0.0	0.0	350	13-Jun
PX16	87	165	30.40	44.6	26.0	0.0	0.00	86.4	14.1	0.0	0.0	350	14-Jun
PX16	87	166	32.00	41.2	26.3	0.0	0.00	129.6	11.6	0.0	0.0	350	15-Jun
PX16	87	167	31.20	38.6	21.3	0.0	0.00	43.2	10.3	0.0	0.0	350	16-Jun
PX16	87	168	32.00	39.0	20.3	0.0	0.00	43.2	13.0	0.0	0.0	350	17-Jun
PX16	87	169	32.20	38.2	20.5	0.0	0.00	103.7	6.1	0.0	0.0	350	18-Jun
PX16	87	170	30.10	37.8	19.6	0.0	0.00	17.3	12.4	0.0	0.0	350	19-Jun
PX16	87	171	28.30	37.9	19.5	0.0	0.00	25.9	4.1	0.0	0.0	350	20-Jun
PX16	87	172	32.00	38.3	19.6	0.0	0.00	60.5	5.6	0.0	0.0	350	21-Jun
PX16	87	173	32.00	37.9	21.7	0.0	0.00	51.8	8.0	0.0	0.0	350	22-Jun
PX16	87	174	31.00	37.9	21.2	0.0	0.00	34.6	11.3	0.0	0.0	350	23-Jun
PX16	87	175	30.10	39.2	22.0	0.0	0.00	34.6	13.3	0.0	0.0	350	24-Jun
PX16	87	176	16.50	38.5	26.9	0.0	0.00	8.6	12.9	0.0	0.0	350	25-Jun
PX16	87	177	30.60	41.1	24.0	0.0	0.00	34.6	12.2	0.0	0.0	350	26-Jun
PX16	87	178	31.00	40.9	25.5	0.0	0.00	43.2	10.1	0.0	0.0	350	27-Jun
PX16	87	179	31.40	40.2	24.2	0.0	0.00	77.8	7.8	0.0	0.0	350	28-Jun
PX16	87	180	31.60	39.8	23.2	0.0	0.00	95.0	7.4	0.0	0.0	350	29-Jun
PX16	87	181	31.20	39.4	20.6	0.0	0.00	146.9	5.8	0.0	0.0	350	30-Jun
PX16	87	182	27.90	38.1	21.8	0.0	0.00	103.7	10.5	0.0	0.0	350	01-Jul
PX16	87	183	31.60	39.1	18.4	0.0	0.00	103.7	7.7	0.0	0.0	350	02-Jul
PX16	87	184	31.40	39.5	20.5	0.0	0.00	103.7	5.9	0.0	0.0	350	03-Jul
PX16	87	185	32.40	39.2	19.9	1.3	0.00	155.5	3.9	0.0	0.0	350	04-Jul
PX16	87	186	32.20	39.8	20.7	0.0	0.00	138.2	4.3	0.0	0.0	350	05-Jul
PX16	87	187	31.20	40.1	22.0	0.0	0.00	112.3	3.8	0.0	0.0	350	06-Jul
PX16	87	188	23.90	38.9	21.5	0.0	0.00	112.3	7.0	0.0	0.0	350	07-Jul
PX16	87	189	20.50	39.6	20.8	0.0	0.00	129.6	6.7	0.0	0.0	350	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX16	87	190	19.70	40.3	21.4	0.0	0.00	241.9	6.1	0.0	0.0	350	09-Jul
PX16	87	191	27.90	39.0	21.8	0.0	0.00	172.8	7.4	0.0	0.0	350	10-Jul
PX16	87	192	31.00	39.4	21.2	0.0	0.00	129.6	7.4	0.0	0.0	350	11-Jul
PX16	87	193	28.90	39.8	21.4	0.0	0.00	103.7	8.6	0.0	0.0	350	12-Jul
PX16	87	194	29.70	42.1	23.4	0.0	0.00	103.7	9.9	0.0	0.0	350	13-Jul
PX16	87	195	27.50	42.1	25.5	0.0	0.00	207.4	13.6	0.0	0.0	350	14-Jul
PX16	87	196	23.70	38.3	27.4	0.0	0.00	181.4	16.5	0.0	0.0	350	15-Jul
PX16	87	197	16.10	34.8	25.8	0.0	0.00	198.7	18.4	0.0	0.0	350	16-Jul
PX16	87	198	30.60	37.9	21.1	0.0	0.00	302.4	13.8	0.0	0.0	350	17-Jul
PX16	87	199	27.50	36.4	22.6	0.0	0.00	207.4	15.6	0.0	0.0	350	18-Jul
PX16	87	200	30.10	38.7	21.0	0.0	0.00	146.9	15.0	0.0	0.0	350	19-Jul
PX16	87	201	26.40	41.7	26.6	0.0	0.00	155.5	18.5	0.0	0.0	350	20-Jul
PX16	87	202	21.10	41.1	22.4	15.2	0.00	233.3	13.7	0.0	0.0	350	21-Jul
PX16	87	203	29.50	38.6	18.0	0.0	0.00	121.0	8.8	0.0	0.0	350	22-Jul
PX16	87	204	30.10	40.5	19.7	0.0	0.00	112.3	10.0	0.0	0.0	350	23-Jul
PX16	87	205	27.70	42.1	23.2	0.0	0.00	138.2	8.6	0.0	0.0	350	24-Jul
PX16	87	206	23.50	42.4	30.4	0.0	0.00	155.5	14.9	0.0	0.0	350	25-Jul
PX16	87	207	26.00	42.6	25.9	0.0	0.00	198.7	18.3	0.0	0.0	350	26-Jul
PX16	87	208	23.10	36.8	23.3	11.9	0.00	190.1	23.4	0.0	0.0	350	27-Jul
PX16	87	209	21.70	34.7	24.3	1.3	0.00	121.0	22.4	0.0	0.0	350	28-Jul
PX16	87	210	23.50	37.8	25.2	0.0	0.00	129.6	21.0	0.0	0.0	350	29-Jul
PX16	87	211	28.50	38.9	26.5	0.0	0.00	198.7	18.7	0.0	0.0	350	30-Jul
PX16	87	212	21.70	39.2	21.9	0.0	0.00	129.6	21.3	0.0	0.0	350	31-Jul
PX16	87	213	27.50	36.7	25.6	18.0	0.00	172.8	21.7	0.0	0.0	350	01-Aug
PX16	87	214	28.40	39.1	28.3	0.0	0.00	224.6	21.1	0.0	0.0	350	02-Aug
PX16	87	215	25.90	39.3	26.3	0.0	0.00	121.0	20.2	0.0	0.0	350	03-Aug
PX16	87	216	27.80	39.5	24.4	0.0	0.00	172.8	20.5	0.0	0.0	350	04-Aug
PX16	87	217	27.20	36.7	24.2	12.7	0.00	121.0	22.3	0.0	0.0	350	05-Aug
PX16	87	218	23.30	38.9	27.0	0.0	0.00	146.9	22.3	0.0	0.0	350	06-Aug
PX16	87	219	25.40	41.2	26.6	0.0	0.00	138.2	18.8	0.0	0.0	350	07-Aug
PX16	87	220	27.50	40.6	23.9	0.0	0.00	112.3	18.4	0.0	0.0	350	08-Aug
PX16	87	221	19.40	38.2	27.1	0.0	0.00	129.6	18.1	0.0	0.0	350	09-Aug
PX16	87	222	24.40	39.9	25.1	0.0	0.00	164.2	19.8	0.0	0.0	350	10-Aug
PX16	87	223	12.50	30.0	23.0	7.9	0.00	95.0	21.5	0.0	0.0	350	11-Aug
PX16	87	224	27.30	36.9	24.1	0.0	0.00	146.9	20.0	0.0	0.0	350	12-Aug
PX16	87	225	28.00	38.4	24.2	0.0	0.00	129.6	17.1	0.0	0.0	350	13-Aug
PX16	87	226	28.30	38.6	24.6	0.0	0.00	285.1	14.2	0.0	0.0	350	14-Aug
PX16	87	227	28.80	37.5	22.1	0.0	0.00	181.4	12.7	0.0	0.0	350	15-Aug
PX16	87	228	28.10	38.0	20.0	0.0	0.00	112.3	12.5	0.0	0.0	350	16-Aug
PX16	87	229	27.80	40.6	19.4	0.0	0.00	95.0	15.0	0.0	0.0	350	17-Aug
PX16	87	230	27.40	40.5	21.3	0.0	0.00	103.7	14.2	0.0	0.0	350	18-Aug
PX16	87	231	25.90	38.7	25.4	0.0	0.00	129.6	14.7	0.0	0.0	350	19-Aug
PX16	87	232	26.00	39.8	29.5	0.0	0.00	155.5	17.3	0.0	0.0	350	20-Aug
PX16	87	233	24.90	39.7	27.2	0.0	0.00	146.9	18.6	0.0	0.0	350	21-Aug
PX16	87	234	24.80	37.7	27.8	0.0	0.00	181.4	21.0	0.0	0.0	350	22-Aug
PX16	87	235	17.80	34.6	24.5	3.6	0.00	121.0	21.5	0.0	0.0	350	23-Aug
PX16	87	236	19.40	36.7	24.0	3.0	0.00	224.6	20.6	0.0	0.0	350	24-Aug
PX16	87	237	21.60	35.1	21.7	21.1	0.00	138.2	20.1	0.0	0.0	350	25-Aug
PX16	87	238	25.60	34.2	21.4	0.0	0.00	172.8	18.0	0.0	0.0	350	26-Aug
PX16	87	239	25.70	35.5	20.3	0.0	0.00	95.0	17.0	0.0	0.0	350	27-Aug
PX16	87	240	24.80	38.0	22.4	0.0	0.00	103.7	17.2	0.0	0.0	350	28-Aug
PX16	87	241	25.00	39.4	24.0	0.0	0.00	146.9	16.4	0.0	0.0	350	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX16	87	242	25.60	39.0	22.6	0.0	0.00	86.4	16.1	0.0	0.0	350	30-Aug
PX16	87	243	25.30	41.1	24.3	0.0	0.00	138.2	15.7	0.0	0.0	350	31-Aug
PX16	87	244	25.40	39.2	28.1	0.0	0.00	198.7	14.7	0.0	0.0	350	01-Sep
PX16	87	245	25.80	38.2	24.1	0.0	0.00	146.9	13.4	0.0	0.0	350	02-Sep
PX16	87	246	10.40	33.4	24.8	0.0	0.00	129.6	19.2	0.0	0.0	350	03-Sep
PX16	87	247	23.60	32.9	23.9	0.0	0.00	146.9	16.8	0.0	0.0	350	04-Sep
PX16	87	248	23.70	34.4	23.3	0.0	0.00	95.0	15.8	0.0	0.0	350	05-Sep
PX16	87	249	23.70	35.7	22.8	0.0	0.00	95.0	13.7	0.0	0.0	350	06-Sep
PX16	87	250	24.30	36.2	20.6	0.0	0.00	103.7	9.4	0.0	0.0	350	07-Sep
PX16	87	251	24.70	36.0	17.5	0.0	0.00	95.0	9.4	0.0	0.0	350	08-Sep
PX16	87	252	23.50	36.0	18.4	0.0	0.00	103.7	9.2	0.0	0.0	350	09-Sep
PX16	87	253	22.90	37.1	19.0	0.0	0.00	95.0	12.6	0.0	0.0	350	10-Sep
PX16	87	254	23.10	36.8	21.1	0.0	0.00	129.6	10.3	0.0	0.0	350	11-Sep
PX16	87	255	23.40	36.3	20.0	0.0	0.00	181.4	7.4	0.0	0.0	350	12-Sep
PX16	87	256	22.60	32.7	21.1	0.0	0.00	293.8	9.7	0.0	0.0	350	13-Sep
PX16	87	257	22.00	31.0	17.3	0.0	0.00	103.7	7.7	0.0	0.0	350	14-Sep
PX16	87	258	22.30	33.7	18.0	0.0	0.00	112.3	9.9	0.0	0.0	350	15-Sep
PX16	87	259	18.50	34.3	19.4	0.0	0.00	103.7	13.3	0.0	0.0	350	16-Sep
PX16	87	260	15.10	33.7	19.3	0.0	0.00	164.2	14.8	0.0	0.0	350	17-Sep
PX16	87	261	21.50	33.8	18.7	0.0	0.00	112.3	16.0	0.0	0.0	350	18-Sep
PX16	87	262	21.50	36.3	20.4	0.0	0.00	112.3	14.5	0.0	0.0	350	19-Sep
PX16	87	263	21.60	37.1	20.1	0.0	0.00	129.6	10.6	0.0	0.0	350	20-Sep
PX16	87	264	17.40	35.6	20.8	0.0	0.00	164.2	17.2	0.0	0.0	350	21-Sep
PX16	87	265	15.00	36.2	19.7	0.0	0.00	164.2	16.4	0.0	0.0	350	22-Sep
PX16	87	266	15.10	32.0	18.5	9.7	0.00	103.7	18.0	0.0	0.0	350	23-Sep
PX16	87	267	18.20	33.5	19.4	6.9	0.00	86.4	16.8	0.0	0.0	350	24-Sep
PX16	87	268	21.20	34.7	18.8	0.5	0.00	86.4	15.8	0.0	0.0	350	25-Sep
PX16	87	269	20.00	36.2	19.8	0.0	0.00	103.7	16.1	0.0	0.0	350	26-Sep
PX16	87	270	20.40	37.7	20.0	0.0	0.00	77.8	15.5	0.0	0.0	350	27-Sep
PX16	87	271	19.40	37.7	19.5	0.0	0.00	103.7	14.8	0.0	0.0	350	28-Sep
PX16	87	272	20.50	38.9	20.0	0.0	0.00	190.1	13.2	0.0	0.0	350	29-Sep
PX16	87	273	20.80	36.5	19.1	0.0	0.00	129.6	14.6	0.0	0.0	350	30-Sep
PX16	87	274	20.60	36.5	23.9	0.0	0.00	129.6	16.1	0.0	0.0	350	01-Oct
PX16	87	275	20.40	37.0	19.0	0.0	0.00	181.4	15.0	0.0	0.0	350	02-Oct
PX16	87	276	20.20	37.5	17.3	0.0	0.00	112.3	3.4	0.0	0.0	350	03-Oct
PX16	87	277	19.90	37.9	17.6	0.0	0.00	60.5	4.8	0.0	0.0	350	04-Oct
PX16	87	278	19.60	39.2	19.4	0.0	0.00	69.1	7.8	0.0	0.0	350	05-Oct
PX16	87	279	23.50	40.1	18.5	0.0	0.00	77.1	11.0	0.0	0.0	350	06-Oct
PX16	87	280	17.50	39.5	17.1	0.0	0.00	95.0	2.7	0.0	0.0	350	07-Oct
PX16	87	281	19.10	39.4	17.7	0.0	0.00	129.6	4.5	0.0	0.0	350	08-Oct
PX16	87	282	18.30	37.5	19.5	0.0	0.00	138.2	12.5	0.0	0.0	350	09-Oct
PX16	87	283	19.00	36.7	19.5	0.0	0.00	121.0	15.6	0.0	0.0	350	10-Oct

```
                           options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG PARFAC        ↓       CO2YR WINDYR
PX03  33.40 112.00  2.30  0 1 1 0 1   350    0.0
```

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX03	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX03	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX03	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX03	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX03	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX03	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX03	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX03	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX03	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX03	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX03	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX03	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX03	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX03	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX03	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX03	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX03	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX03	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX03	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX03	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX03	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX03	87 114	28.10	36.0	14.1	0.0	0.00	121.0	3.4	0.0	0.0	350	24-Apr
PX03	87 115	28.10	36.5	20.2	0.0	0.00	172.8	7.1	0.0	0.0	350	25-Apr
PX03	87 116	28.10	37.8	20.5	0.0	0.00	155.5	7.4	0.0	0.0	350	26-Apr
PX03	87 117	22.30	35.9	21.2	0.0	0.00	224.6	9.2	0.0	0.0	350	27-Apr
PX03	87 118	28.00	36.5	19.3	0.0	0.00	224.6	9.3	0.0	0.0	350	28-Apr
PX03	87 119	22.40	36.5	21.3	0.0	0.00	164.2	8.1	0.0	0.0	350	29-Apr
PX03	87 120	24.00	34.4	20.6	0.3	0.00	164.2	9.0	0.0	0.0	350	30-Apr
PX03	87 121	29.10	31.5	13.3	0.0	0.00	155.5	7.0	0.0	0.0	350	01-May
PX03	87 122	25.80	30.3	16.7	0.0	0.00	129.6	7.0	0.0	0.0	350	02-May
PX03	87 123	29.50	33.8	13.7	0.0	0.00	95.0	1.9	0.0	0.0	350	03-May
PX03	87 124	29.70	36.3	13.7	0.0	0.00	77.8	-0.0	0.0	0.0	350	04-May
PX03	87 125	29.10	37.9	15.5	0.0	0.00	66.5	2.5	0.0	0.0	350	05-May
PX03	87 126	29.30	38.1	20.0	0.0	0.00	155.5	7.0	0.0	0.0	350	06-May
PX03	87 127	28.10	37.2	23.8	0.0	0.00	172.8	8.8	0.0	0.0	350	07-May
PX03	87 128	29.30	36.0	22.0	0.0	0.00	164.2	11.2	0.0	0.0	350	08-May
PX03	87 129	29.50	37.7	19.3	0.0	0.00	86.4	8.2	0.0	0.0	350	09-May
PX03	87 130	27.30	36.5	22.9	0.0	0.00	103.7	11.2	0.0	0.0	350	10-May
PX03	87 131	29.10	36.9	19.3	1.5	0.00	95.0	16.2	0.0	0.0	350	11-May
PX03	87 132	28.50	38.6	25.3	0.0	0.00	129.6	7.7	0.0	0.0	350	12-May
PX03	87 133	28.90	39.6	21.0	0.0	0.00	138.2	8.2	0.0	0.0	350	13-May
PX03	87 134	25.60	39.7	24.4	0.0	0.00	164.2	11.2	0.0	0.0	350	14-May
PX03	87 135	24.00	37.6	21.3	0.3	0.00	181.4	13.3	0.0	0.0	350	15-May
PX03	87 136	28.10	36.8	19.8	0.0	0.00	86.4	10.6	0.0	0.0	350	16-May
PX03	87 137	29.10	38.6	20.1	0.0	0.00	121.0	8.2	0.0	0.0	350	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	87	138	29.30	38.6	21.9	0.0	0.00	190.1	6.7	0.0	0.0	350	18-May
PX03	87	139	24.40	35.5	21.5	0.0	0.00	172.8	5.8	0.0	0.0	350	19-May
PX03	87	140	26.40	34.7	20.1	0.0	0.00	233.3	10.9	0.0	0.0	350	20-May
PX03	87	141	29.50	32.5	16.3	0.0	0.00	138.2	11.4	0.0	0.0	350	21-May
PX03	87	142	29.30	36.1	16.0	0.0	0.00	121.0	6.8	0.0	0.0	350	22-May
PX03	87	143	31.20	35.7	16.3	0.0	0.00	146.9	-0.5	0.0	0.0	350	23-May
PX03	87	144	28.30	34.2	16.8	0.0	0.00	129.6	0.4	0.0	0.0	350	24-May
PX03	87	145	23.10	32.7	17.2	0.0	0.00	198.7	2.1	0.0	0.0	350	25-May
PX03	87	146	30.10	27.7	13.4	0.0	0.00	164.2	1.3	0.0	0.0	350	26-May
PX03	87	147	29.90	30.2	12.6	0.0	0.00	112.3	2.1	0.0	0.0	350	27-May
PX03	87	148	30.10	32.6	16.2	0.0	0.00	121.0	3.2	0.0	0.0	350	28-May
PX03	87	149	30.40	34.6	16.0	0.0	0.00	121.0	6.1	0.0	0.0	350	29-May
PX03	87	150	30.80	36.9	17.5	0.0	0.00	103.7	4.8	0.0	0.0	350	30-May
PX03	87	151	31.40	38.4	18.2	0.0	0.00	129.6	5.4	0.0	0.0	350	31-May
PX03	87	152	31.40	39.7	21.6	0.5	0.00	172.8	5.9	0.0	0.0	350	01-Jun
PX03	87	153	31.00	40.3	20.9	0.0	0.00	121.0	8.0	0.0	0.0	350	02-Jun
PX03	87	154	28.70	42.5	20.6	0.0	0.00	95.0	7.4	0.0	0.0	350	03-Jun
PX03	87	155	28.50	40.6	26.2	0.0	0.00	224.6	10.6	0.0	0.0	350	04-Jun
PX03	87	156	19.60	39.5	24.4	0.0	0.00	181.4	10.7	0.0	0.0	350	05-Jun
PX03	87	157	30.80	35.4	23.6	1.8	0.00	129.6	16.0	0.0	0.0	350	06-Jun
PX03	87	158	31.20	40.8	23.3	0.0	0.00	164.2	12.8	0.0	0.0	350	07-Jun
PX03	87	159	31.60	41.3	22.5	0.0	0.00	146.8	7.5	0.0	0.0	350	08-Jun
PX03	87	160	32.00	39.6	22.0	0.0	0.00	112.3	8.0	0.0	0.0	350	09-Jun
PX03	87	161	32.00	41.0	21.4	0.0	0.00	112.3	6.1	0.0	0.0	350	10-Jun
PX03	87	162	30.40	40.4	20.7	0.0	0.00	95.0	7.4	0.0	0.0	350	11-Jun
PX03	87	163	30.10	40.9	25.0	0.0	0.00	77.8	11.1	0.0	0.0	350	12-Jun
PX03	87	164	29.90	43.5	24.1	0.0	0.00	25.9	10.6	0.0	0.0	350	13-Jun
PX03	87	165	30.40	45.3	26.0	0.0	0.00	86.4	11.0	0.0	0.0	350	14-Jun
PX03	87	166	32.00	41.6	25.6	0.0	0.00	129.6	8.0	0.0	0.0	350	15-Jun
PX03	87	167	31.20	38.6	20.7	0.0	0.00	43.2	6.7	0.0	0.0	350	16-Jun
PX03	87	168	32.00	40.1	19.2	0.0	0.00	43.2	7.4	0.0	0.0	350	17-Jun
PX03	87	169	32.20	38.6	20.5	0.0	0.00	103.7	3.9	0.0	0.0	350	18-Jun
PX03	87	170	30.10	37.2	18.0	0.0	0.00	17.3	4.6	0.0	0.0	350	19-Jun
PX03	87	171	28.30	36.5	17.6	0.0	0.00	25.9	6.1	0.0	0.0	350	20-Jun
PX03	87	172	32.00	38.0	17.7	0.0	0.00	60.5	6.4	0.0	0.0	350	21-Jun
PX03	87	173	32.00	37.6	20.1	0.0	0.00	51.8	7.5	0.0	0.0	350	22-Jun
PX03	87	174	31.00	37.7	20.2	0.0	0.00	34.6	11.1	0.0	0.0	350	23-Jun
PX03	87	175	30.10	38.1	22.3	0.0	0.00	34.6	12.8	0.0	0.0	350	24-Jun
PX03	87	176	16.50	38.1	26.8	0.0	0.00	8.6	12.3	0.0	0.0	350	25-Jun
PX03	87	177	30.60	42.0	24.0	0.0	0.00	34.6	13.3	0.0	0.0	350	26-Jun
PX03	87	178	31.00	40.1	24.9	0.0	0.00	43.2	12.0	0.0	0.0	350	27-Jun
PX03	87	179	31.40	39.6	23.6	0.0	0.00	77.8	9.7	0.0	0.0	350	28-Jun
PX03	87	180	31.60	39.1	22.7	0.0	0.00	95.0	8.6	0.0	0.0	350	29-Jun
PX03	87	181	31.20	38.5	19.0	0.0	0.00	146.9	7.8	0.0	0.0	350	30-Jun
PX03	87	182	27.90	36.9	20.7	0.0	0.00	103.7	5.8	0.0	0.0	350	01-Jul
PX03	87	183	31.60	37.8	17.1	0.0	0.00	103.7	7.0	0.0	0.0	350	02-Jul
PX03	87	184	31.40	38.2	18.8	0.0	0.00	103.7	7.4	0.0	0.0	350	03-Jul
PX03	87	185	32.40	37.9	19.6	1.3	0.00	155.5	6.2	0.0	0.0	350	04-Jul
PX03	87	186	32.20	38.9	18.5	0.0	0.00	138.2	6.7	0.0	0.0	350	05-Jul
PX03	87	187	31.20	39.0	20.7	0.0	0.00	112.3	5.3	0.0	0.0	350	06-Jul
PX03	87	188	23.90	38.1	20.3	0.0	0.00	112.3	8.2	0.0	0.0	350	07-Jul
PX03	87	189	20.50	38.7	20.3	0.0	0.00	129.6	7.7	0.0	0.0	350	08-Jul

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	87 190	19.70	39.3	20.2	0.0	0.00	241.9	7.3	0.0	0.0	350	09-Jul
PX03	87 191	27.90	38.7	20.0	0.0	0.00	172.8	8.2	0.0	0.0	350	10-Jul
PX03	87 192	31.00	38.1	19.7	0.0	0.00	129.6	9.2	0.0	0.0	350	11-Jul
PX03	87 193	28.90	38.9	21.9	0.0	0.00	103.7	9.8	0.0	0.0	350	12-Jul
PX03	87 194	29.70	41.6	23.2	0.0	0.00	103.7	9.8	0.0	0.0	350	13-Jul
PX03	87 195	27.50	40.8	25.1	0.0	0.00	207.4	13.4	0.0	0.0	350	14-Jul
PX03	87 196	23.70	36.2	26.6	0.0	0.00	181.4	16.4	0.0	0.0	350	15-Jul
PX03	87 197	16.10	33.9	25.6	0.0	0.00	198.7	17.9	0.0	0.0	350	16-Jul
PX03	87 198	30.60	36.8	20.8	0.0	0.00	302.4	11.5	0.0	0.0	350	17-Jul
PX03	87 199	27.50	35.3	22.4	0.0	0.00	207.4	13.2	0.0	0.0	350	18-Jul
PX03	87 200	30.10	37.8	20.9	0.0	0.00	146.9	10.5	0.0	0.0	350	19-Jul
PX03	87 201	26.40	40.9	26.6	0.0	0.00	155.5	16.3	0.0	0.0	350	20-Jul
PX03	87 202	21.10	40.3	22.3	15.2	0.00	233.3	14.6	0.0	0.0	350	21-Jul
PX03	87 203	29.50	36.7	17.8	0.0	0.00	121.0	10.4	0.0	0.0	350	22-Jul
PX03	87 204	30.10	38.8	19.2	0.0	0.00	112.3	9.2	0.0	0.0	350	23-Jul
PX03	87 205	27.70	39.5	21.4	0.0	0.00	138.2	10.3	0.0	0.0	350	24-Jul
PX03	87 206	23.50	40.9	30.2	0.0	0.00	155.5	15.5	0.0	0.0	350	25-Jul
PX03	87 207	26.00	42.2	25.7	0.0	0.00	198.7	24.1	0.0	0.0	350	26-Jul
PX03	87 208	23.10	36.9	24.8	11.9	0.00	190.1	23.1	0.0	0.0	350	27-Jul
PX03	87 209	21.70	33.7	24.4	1.3	0.00	121.0	20.8	0.0	0.0	350	28-Jul
PX03	87 210	23.50	36.2	24.4	0.0	0.00	129.6	19.9	0.0	0.0	350	29-Jul
PX03	87 211	28.50	38.1	26.0	0.0	0.00	198.7	19.2	0.0	0.0	350	30-Jul
PX03	87 212	21.70	38.3	23.2	0.0	0.00	129.6	22.2	0.0	0.0	350	31-Jul
PX03	87 213	27.50	35.5	25.7	18.0	0.00	172.8	22.2	0.0	0.0	350	01-Aug
PX03	87 214	28.40	37.8	28.2	0.0	0.00	224.6	21.6	0.0	0.0	350	02-Aug
PX03	87 215	25.90	37.9	26.1	0.0	0.00	121.0	20.6	0.0	0.0	350	03-Aug
PX03	87 216	27.80	38.0	24.2	0.0	0.00	172.8	21.0	0.0	0.0	350	04-Aug
PX03	87 217	27.20	35.6	24.1	12.7	0.00	121.0	22.9	0.0	0.0	350	05-Aug
PX03	87 218	23.30	36.4	27.0	0.0	0.00	146.9	22.9	0.0	0.0	350	06-Aug
PX03	87 219	25.40	38.5	27.6	0.0	0.00	138.2	19.0	0.0	0.0	350	07-Aug
PX03	87 220	27.50	39.4	26.2	0.0	0.00	112.3	17.9	0.0	0.0	350	08-Aug
PX03	87 221	19.40	36.8	26.9	0.0	0.00	129.6	18.7	0.0	0.0	350	09-Aug
PX03	87 222	24.40	38.9	24.7	0.0	0.00	164.2	19.5	0.0	0.0	350	10-Aug
PX03	87 223	12.50	29.7	22.9	7.9	0.00	95.0	22.0	0.0	0.0	350	11-Aug
PX03	87 224	27.30	35.3	23.9	0.0	0.00	146.9	22.3	0.0	0.0	350	12-Aug
PX03	87 225	28.00	37.8	24.1	0.0	0.00	129.6	19.3	0.0	0.0	350	13-Aug
PX03	87 226	28.30	38.0	23.6	0.0	0.00	285.1	14.5	0.0	0.0	350	14-Aug
PX03	87 227	28.80	36.6	20.8	0.0	0.00	181.4	12.4	0.0	0.0	350	15-Aug
PX03	87 228	28.10	38.2	19.8	0.0	0.00	112.3	11.5	0.0	0.0	350	16-Aug
PX03	87 229	27.80	39.8	19.7	0.0	0.00	95.0	13.4	0.0	0.0	350	17-Aug
PX03	87 230	27.40	39.9	21.7	0.0	0.00	103.7	14.2	0.0	0.0	350	18-Aug
PX03	87 231	25.90	36.9	24.4	0.0	0.00	129.6	15.7	0.0	0.0	350	19-Aug
PX03	87 232	26.00	39.0	28.9	0.0	0.00	155.5	18.5	0.0	0.0	350	20-Aug
PX03	87 233	24.90	38.7	26.5	0.0	0.00	146.9	18.0	0.0	0.0	350	21-Aug
PX03	87 234	24.80	37.0	27.5	0.0	0.00	181.4	19.5	0.0	0.0	350	22-Aug
PX03	87 235	17.80	33.9	24.2	3.6	0.00	121.0	20.3	0.0	0.0	350	23-Aug
PX03	87 236	19.40	37.2	23.3	3.0	0.00	224.6	19.2	0.0	0.0	350	24-Aug
PX03	87 237	21.60	35.3	21.0	21.1	0.00	138.2	18.7	0.0	0.0	350	25-Aug
PX03	87 238	25.60	33.8	21.3	0.0	0.00	172.8	16.1	0.0	0.0	350	26-Aug
PX03	87 239	25.70	34.9	19.7	0.0	0.00	95.0	14.6	0.0	0.0	350	27-Aug
PX03	87 240	24.80	37.9	21.9	0.0	0.00	103.7	15.8	0.0	0.0	350	28-Aug
PX03	87 241	25.00	38.9	22.9	0.0	0.00	146.9	14.2	0.0	0.0	350	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX03	87	242	25.60	38.4	22.2	0.0	0.00	86.4	13.0	0.0	0.0	350	30-Aug
PX03	87	243	25.30	41.3	23.7	0.0	0.00	138.2	12.0	0.0	0.0	350	31-Aug
PX03	87	244	25.40	38.7	26.3	0.0	0.00	198.7	13.4	0.0	0.0	350	01-Sep
PX03	87	245	25.80	36.3	23.1	0.0	0.00	146.9	13.4	0.0	0.0	350	02-Sep
PX03	87	246	10.40	32.6	24.7	0.0	0.00	129.6	15.5	0.0	0.0	350	03-Sep
PX03	87	247	23.60	33.3	23.7	0.0	0.00	146.9	17.3	0.0	0.0	350	04-Sep
PX03	87	248	23.70	34.1	23.3	0.0	0.00	95.0	16.0	0.0	0.0	350	05-Sep
PX03	87	249	23.70	35.4	22.5	0.0	0.00	95.0	14.1	0.0	0.0	350	06-Sep
PX03	87	250	24.30	36.4	21.2	0.0	0.00	103.7	8.6	0.0	0.0	350	07-Sep
PX03	87	251	24.70	36.7	17.9	0.0	0.00	95.0	8.8	0.0	0.0	350	08-Sep
PX03	87	252	23.50	34.5	16.7	0.0	0.00	103.7	9.4	0.0	0.0	350	09-Sep
PX03	87	253	22.90	36.1	18.1	0.0	0.00	95.0	10.4	0.0	0.0	350	10-Sep
PX03	87	254	23.10	36.8	20.4	0.0	0.00	129.6	7.8	0.0	0.0	350	11-Sep
PX03	87	255	23.40	36.4	18.9	0.0	0.00	181.4	8.4	0.0	0.0	350	12-Sep
PX03	87	256	22.60	33.2	21.1	0.0	0.00	293.8	10.3	0.0	0.0	350	13-Sep
PX03	87	257	22.00	31.5	16.2	0.0	0.00	103.7	8.4	0.0	0.0	350	14-Sep
PX03	87	258	22.30	32.9	17.0	0.0	0.00	112.3	11.3	0.0	0.0	350	15-Sep
PX03	87	259	18.50	32.9	17.8	0.0	0.00	103.7	11.9	0.0	0.0	350	16-Sep
PX03	87	260	15.10	32.8	18.1	0.0	0.00	164.2	10.7	0.0	0.0	350	17-Sep
PX03	87	261	21.50	32.7	18.5	0.0	0.00	112.3	12.5	0.0	0.0	350	18-Sep
PX03	87	262	21.50	34.9	20.0	0.0	0.00	112.3	11.0	0.0	0.0	350	19-Sep
PX03	87	263	21.60	36.0	19.2	0.0	0.00	129.6	10.1	0.0	0.0	350	20-Sep
PX03	87	264	17.40	34.6	21.4	0.0	0.00	164.2	14.7	0.0	0.0	350	21-Sep
PX03	87	265	15.00	35.8	19.9	0.0	0.00	164.2	15.8	0.0	0.0	350	22-Sep
PX03	87	266	15.10	30.9	18.4	9.7	0.00	103.7	17.7	0.0	0.0	350	23-Sep
PX03	87	267	18.20	31.4	19.3	6.9	0.00	86.4	17.4	0.0	0.0	350	24-Sep
PX03	87	268	21.20	33.8	19.7	0.5	0.00	86.4	15.8	0.0	0.0	350	25-Sep
PX03	87	269	20.00	35.4	19.0	0.0	0.00	103.7	14.7	0.0	0.0	350	26-Sep
PX03	87	270	20.40	36.8	19.5	0.0	0.00	77.8	13.5	0.0	0.0	350	27-Sep
PX03	87	271	19.40	37.1	19.6	0.0	0.00	103.7	12.6	0.0	0.0	350	28-Sep
PX03	87	272	20.50	37.8	20.2	0.0	0.00	190.1	10.7	0.0	0.0	350	29-Sep
PX03	87	273	20.80	35.9	18.6	0.0	0.00	129.6	10.4	0.0	0.0	350	30-Sep
PX03	87	274	20.60	36.1	23.7	0.0	0.00	129.6	8.5	0.0	0.0	350	01-Oct
PX03	87	275	20.40	36.9	18.8	0.0	0.00	181.4	9.7	0.0	0.0	350	02-Oct
PX03	87	276	20.20	37.5	17.9	0.0	0.00	112.3	7.0	0.0	0.0	350	03-Oct
PX03	87	277	19.90	37.3	17.6	0.0	0.00	60.5	4.8	0.0	0.0	350	04-Oct
PX03	87	278	19.60	38.7	18.9	0.0	0.00	69.1	4.1	0.0	0.0	350	05-Oct
PX03	87	279	23.50	39.1	17.1	0.0	0.00	77.1	2.7	0.0	0.0	350	06-Oct
PX03	87	280	17.50	38.8	16.6	0.0	0.00	95.0	3.2	0.0	0.0	350	07-Oct
PX03	87	281	19.10	38.9	16.8	0.0	0.00	129.6	5.4	0.0	0.0	350	08-Oct
PX03	87	282	18.30	37.3	18.8	0.0	0.00	138.2	9.0	0.0	0.0	350	09-Oct
PX03	87	283	19.00	36.6	18.6	0.0	0.00	121.0	9.9	0.0	0.0	350	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX15	33.40	112.00	2.30	0 1 1 0 1	350	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX15	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX15	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX15	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX15	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX15	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX15	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX15	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX15	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX15	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX15	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX15	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX15	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX15	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	350	15-Apr
PX15	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	350	16-Apr
PX15	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	350	17-Apr
PX15	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	350	18-Apr
PX15	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	350	19-Apr
PX15	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	350	20-Apr
PX15	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	350	21-Apr
PX15	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	350	22-Apr
PX15	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	350	23-Apr
PX15	87 114	28.10	36.4	15.0	0.0	0.00	121.0	1.9	0.0	0.0	350	24-Apr
PX15	87 115	28.10	36.2	20.4	0.0	0.00	172.8	6.8	0.0	0.0	350	25-Apr
PX15	87 116	28.10	37.9	20.8	0.0	0.00	155.5	7.3	0.0	0.0	350	26-Apr
PX15	87 117	22.30	35.5	21.7	0.0	0.00	224.6	9.0	0.0	0.0	350	27-Apr
PX15	87 118	28.00	36.1	20.0	0.0	0.00	224.6	8.8	0.0	0.0	350	28-Apr
PX15	87 119	22.40	36.4	21.9	0.0	0.00	164.2	7.7	0.0	0.0	350	29-Apr
PX15	87 120	24.00	34.2	20.3	0.3	0.00	164.2	8.8	0.0	0.0	350	30-Apr
PX15	87 121	29.10	31.7	13.4	0.0	0.00	155.5	6.8	0.0	0.0	350	01-May
PX15	87 122	25.80	30.5	16.9	0.0	0.00	129.6	6.8	0.0	0.0	350	02-May
PX15	87 123	29.50	33.9	13.9	0.0	0.00	95.0	1.9	0.0	0.0	350	03-May
PX15	87 124	29.70	36.5	15.0	0.0	0.00	77.8	-0.2	0.0	0.0	350	04-May
PX15	87 125	29.10	38.4	16.4	0.0	0.00	66.5	2.1	0.0	0.0	350	05-May
PX15	87 126	29.30	38.1	20.8	0.0	0.00	155.5	7.0	0.0	0.0	350	06-May
PX15	87 127	28.10	37.2	24.0	0.0	0.00	172.8	11.8	0.0	0.0	350	07-May
PX15	87 128	29.30	36.8	22.1	0.0	0.00	164.2	9.3	0.0	0.0	350	08-May
PX15	87 129	29.50	37.5	19.5	0.0	0.00	86.4	8.6	0.0	0.0	350	09-May
PX15	87 130	27.30	37.4	23.1	0.0	0.00	103.7	11.4	0.0	0.0	350	10-May
PX15	87 131	29.10	37.2	20.1	1.5	0.00	95.0	12.3	0.0	0.0	350	11-May
PX15	87 132	28.50	39.4	25.7	0.0	0.00	129.6	8.6	0.0	0.0	350	12-May
PX15	87 133	28.90	40.2	21.9	0.0	0.00	138.2	10.4	0.0	0.0	350	13-May
PX15	87 134	25.60	38.8	24.9	0.0	0.00	164.2	14.3	0.0	0.0	350	14-May
PX15	87 135	24.00	38.0	21.6	0.3	0.00	181.4	15.1	0.0	0.0	350	15-May
PX15	87 136	28.10	37.0	20.6	0.0	0.00	86.4	13.2	0.0	0.0	350	16-May
PX15	87 137	29.10	38.6	20.6	0.0	0.00	121.0	9.0	0.0	0.0	350	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	87	138	29.30	38.7	22.3	0.0	0.00	190.1	7.4	0.0	0.0	350	18-May
PX15	87	139	24.40	35.6	21.5	0.0	0.00	172.8	6.7	0.0	0.0	350	19-May
PX15	87	140	26.40	34.7	20.1	0.0	0.00	233.3	11.5	0.0	0.0	350	20-May
PX15	87	141	29.50	32.5	16.6	0.0	0.00	138.2	8.1	0.0	0.0	350	21-May
PX15	87	142	29.30	35.9	16.2	0.0	0.00	121.0	3.4	0.0	0.0	350	22-May
PX15	87	143	31.20	35.8	16.7	0.0	0.00	146.9	-0.9	0.0	0.0	350	23-May
PX15	87	144	28.30	34.9	16.6	0.0	0.00	129.6	-0.0	0.0	0.0	350	24-May
PX15	87	145	23.10	33.2	17.2	0.0	0.00	198.7	1.7	0.0	0.0	350	25-May
PX15	87	146	30.10	28.0	13.0	0.0	0.00	164.2	1.5	0.0	0.0	350	26-May
PX15	87	147	29.90	30.3	13.2	0.0	0.00	112.3	1.7	0.0	0.0	350	27-May
PX15	87	148	30.10	33.6	16.1	0.0	0.00	121.0	1.5	0.0	0.0	350	28-May
PX15	87	149	30.40	35.2	17.0	0.0	0.00	121.0	4.6	0.0	0.0	350	29-May
PX15	87	150	30.80	38.1	17.9	0.0	0.00	103.7	3.2	0.0	0.0	350	30-May
PX15	87	151	31.40	39.4	19.2	0.0	0.00	129.6	4.1	0.0	0.0	350	31-May
PX15	87	152	31.40	40.7	22.0	0.5	0.00	172.8	5.0	0.0	0.0	350	01-Jun
PX15	87	153	31.00	41.4	21.6	0.0	0.00	121.0	7.4	0.0	0.0	350	02-Jun
PX15	87	154	28.70	42.7	21.3	0.0	0.00	95.0	7.0	0.0	0.0	350	03-Jun
PX15	87	155	28.50	39.9	26.4	0.0	0.00	224.6	10.7	0.0	0.0	350	04-Jun
PX15	87	156	19.60	39.4	25.4	0.0	0.00	181.4	11.0	0.0	0.0	350	05-Jun
PX15	87	157	30.80	35.4	23.6	1.8	0.00	129.6	16.3	0.0	0.0	350	06-Jun
PX15	87	158	31.20	40.8	23.7	0.0	0.00	164.2	13.5	0.0	0.0	350	07-Jun
PX15	87	159	31.60	41.2	23.4	0.0	0.00	146.8	10.1	0.0	0.0	350	08-Jun
PX15	87	160	32.00	39.5	22.8	0.0	0.00	112.3	11.4	0.0	0.0	350	09-Jun
PX15	87	161	32.00	40.5	22.0	0.0	0.00	112.3	8.5	0.0	0.0	350	10-Jun
PX15	87	162	30.40	40.6	21.5	0.0	0.00	95.0	6.4	0.0	0.0	350	11-Jun
PX15	87	163	30.10	41.0	25.5	0.0	0.00	77.8	9.8	0.0	0.0	350	12-Jun
PX15	87	164	29.90	43.0	24.8	0.0	0.00	25.9	8.8	0.0	0.0	350	13-Jun
PX15	87	165	30.40	45.1	26.6	0.0	0.00	86.4	8.6	0.0	0.0	350	14-Jun
PX15	87	166	32.00	42.2	26.5	0.0	0.00	129.6	5.0	0.0	0.0	350	15-Jun
PX15	87	167	31.20	38.7	21.4	0.0	0.00	43.2	3.8	0.0	0.0	350	16-Jun
PX15	87	168	32.00	39.9	21.0	0.0	0.00	43.2	5.4	0.0	0.0	350	17-Jun
PX15	87	169	32.20	38.7	21.7	0.0	0.00	103.7	4.6	0.0	0.0	350	18-Jun
PX15	87	170	30.10	36.9	19.5	0.0	0.00	17.3	5.4	0.0	0.0	350	19-Jun
PX15	87	171	28.30	36.8	19.4	0.0	0.00	25.9	5.9	0.0	0.0	350	20-Jun
PX15	87	172	32.00	37.8	19.4	0.0	0.00	60.5	6.5	0.0	0.0	350	21-Jun
PX15	87	173	32.00	37.4	21.6	0.0	0.00	51.8	8.0	0.0	0.0	350	22-Jun
PX15	87	174	31.00	37.6	21.6	0.0	0.00	34.6	11.2	0.0	0.0	350	23-Jun
PX15	87	175	30.10	38.3	22.9	0.0	0.00	34.6	12.8	0.0	0.0	350	24-Jun
PX15	87	176	16.50	37.9	27.3	0.0	0.00	8.6	13.1	0.0	0.0	350	25-Jun
PX15	87	177	30.60	40.3	24.4	0.0	0.00	34.6	12.9	0.0	0.0	350	26-Jun
PX15	87	178	31.00	40.1	25.7	0.0	0.00	43.2	11.2	0.0	0.0	350	27-Jun
PX15	87	179	31.40	39.6	24.7	0.0	0.00	77.8	8.5	0.0	0.0	350	28-Jun
PX15	87	180	31.60	39.4	23.5	0.0	0.00	95.0	7.4	0.0	0.0	350	29-Jun
PX15	87	181	31.20	38.5	21.2	0.0	0.00	146.9	6.1	0.0	0.0	350	30-Jun
PX15	87	182	27.90	37.0	22.2	0.0	0.00	103.7	5.0	0.0	0.0	350	01-Jul
PX15	87	183	31.60	38.1	18.7	0.0	0.00	103.7	6.8	0.0	0.0	350	02-Jul
PX15	87	184	31.40	38.4	20.7	0.0	0.00	103.7	7.5	0.0	0.0	350	03-Jul
PX15	87	185	32.40	38.1	20.6	1.3	0.00	155.5	5.8	0.0	0.0	350	04-Jul
PX15	87	186	32.20	38.8	20.5	0.0	0.00	138.2	5.6	0.0	0.0	350	05-Jul
PX15	87	187	31.20	39.1	21.8	0.0	0.00	112.3	5.3	0.0	0.0	350	06-Jul
PX15	87	188	23.90	38.0	21.6	0.0	0.00	112.3	8.5	0.0	0.0	350	07-Jul
PX15	87	189	20.50	38.9	20.8	0.0	0.00	129.6	8.1	0.0	0.0	350	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	87	190	19.70	38.8	21.3	0.0	0.00	241.9	7.4	0.0	0.0	350	09-Jul
PX15	87	191	27.90	37.5	21.8	0.0	0.00	172.8	9.4	0.0	0.0	350	10-Jul
PX15	87	192	31.00	38.4	21.3	0.0	0.00	129.6	8.8	0.0	0.0	350	11-Jul
PX15	87	193	28.90	38.9	22.1	0.0	0.00	103.7	9.8	0.0	0.0	350	12-Jul
PX15	87	194	29.70	41.5	23.8	0.0	0.00	103.7	9.9	0.0	0.0	350	13-Jul
PX15	87	195	27.50	40.7	25.8	0.0	0.00	207.4	12.7	0.0	0.0	350	14-Jul
PX15	87	196	23.70	36.7	27.2	0.0	0.00	181.4	16.1	0.0	0.0	350	15-Jul
PX15	87	197	16.10	33.9	25.8	0.0	0.00	198.7	17.7	0.0	0.0	350	16-Jul
PX15	87	198	30.60	36.1	21.4	0.0	0.00	302.4	11.2	0.0	0.0	350	17-Jul
PX15	87	199	27.50	35.0	22.6	0.0	0.00	207.4	13.3	0.0	0.0	350	18-Jul
PX15	87	200	30.10	37.5	20.9	0.0	0.00	146.9	11.0	0.0	0.0	350	19-Jul
PX15	87	201	26.40	40.6	26.6	0.0	0.00	155.5	16.5	0.0	0.0	350	20-Jul
PX15	87	202	21.10	39.8	22.8	15.2	0.00	233.3	14.4	0.0	0.0	350	21-Jul
PX15	87	203	29.50	36.7	18.0	0.0	0.00	121.0	10.0	0.0	0.0	350	22-Jul
PX15	87	204	30.10	38.8	19.6	0.0	0.00	112.3	8.5	0.0	0.0	350	23-Jul
PX15	87	205	27.70	40.0	23.1	0.0	0.00	138.2	10.1	0.0	0.0	350	24-Jul
PX15	87	206	23.50	41.2	30.3	0.0	0.00	155.5	15.7	0.0	0.0	350	25-Jul
PX15	87	207	26.00	41.8	25.1	0.0	0.00	198.7	19.9	0.0	0.0	350	26-Jul
PX15	87	208	23.10	37.2	25.0	11.9	0.00	190.1	21.1	0.0	0.0	350	27-Jul
PX15	87	209	21.70	35.4	23.7	1.3	0.00	121.0	22.0	0.0	0.0	350	28-Jul
PX15	87	210	23.50	36.7	24.2	0.0	0.00	129.6	21.1	0.0	0.0	350	29-Jul
PX15	87	211	28.50	37.9	26.4	0.0	0.00	198.7	19.2	0.0	0.0	350	30-Jul
PX15	87	212	21.70	38.0	23.3	0.0	0.00	129.6	21.8	0.0	0.0	350	31-Jul
PX15	87	213	27.50	35.5	25.3	18.0	0.00	172.8	22.4	0.0	0.0	350	01-Aug
PX15	87	214	28.40	37.6	28.1	0.0	0.00	224.6	21.8	0.0	0.0	350	02-Aug
PX15	87	215	25.90	38.0	26.2	0.0	0.00	121.0	20.8	0.0	0.0	350	03-Aug
PX15	87	216	27.80	37.9	24.3	0.0	0.00	172.8	21.1	0.0	0.0	350	04-Aug
PX15	87	217	27.20	35.2	24.2	12.7	0.00	121.0	23.4	0.0	0.0	350	05-Aug
PX15	87	218	23.30	36.4	27.0	0.0	0.00	146.9	23.3	0.0	0.0	350	06-Aug
PX15	87	219	25.40	38.5	27.5	0.0	0.00	138.2	19.2	0.0	0.0	350	07-Aug
PX15	87	220	27.50	38.7	26.1	0.0	0.00	112.3	18.3	0.0	0.0	350	08-Aug
PX15	87	221	19.40	36.7	27.1	0.0	0.00	129.6	18.9	0.0	0.0	350	09-Aug
PX15	87	222	24.40	38.6	24.9	0.0	0.00	164.2	20.2	0.0	0.0	350	10-Aug
PX15	87	223	12.50	29.5	22.9	7.9	0.00	95.0	21.7	0.0	0.0	350	11-Aug
PX15	87	224	27.30	35.5	24.2	0.0	0.00	146.9	20.4	0.0	0.0	350	12-Aug
PX15	87	225	28.00	36.8	24.1	0.0	0.00	129.6	16.7	0.0	0.0	350	13-Aug
PX15	87	226	28.30	37.7	24.6	0.0	0.00	285.1	13.7	0.0	0.0	350	14-Aug
PX15	87	227	28.80	36.7	21.9	0.0	0.00	181.4	11.8	0.0	0.0	350	15-Aug
PX15	87	228	28.10	37.5	20.2	0.0	0.00	112.3	10.3	0.0	0.0	350	16-Aug
PX15	87	229	27.80	39.7	19.9	0.0	0.00	95.0	11.8	0.0	0.0	350	17-Aug
PX15	87	230	27.40	40.0	21.7	0.0	0.00	103.7	13.8	0.0	0.0	350	18-Aug
PX15	87	231	25.90	37.5	25.2	0.0	0.00	129.6	15.8	0.0	0.0	350	19-Aug
PX15	87	232	26.00	38.8	29.1	0.0	0.00	155.5	18.2	0.0	0.0	350	20-Aug
PX15	87	233	24.90	38.7	26.8	0.0	0.00	146.9	18.0	0.0	0.0	350	21-Aug
PX15	87	234	24.80	36.8	27.6	0.0	0.00	181.4	19.7	0.0	0.0	350	22-Aug
PX15	87	235	17.80	33.4	23.9	3.6	0.00	121.0	20.8	0.0	0.0	350	23-Aug
PX15	87	236	19.40	36.3	24.3	3.0	0.00	224.6	19.5	0.0	0.0	350	24-Aug
PX15	87	237	21.60	34.6	20.8	21.1	0.00	138.2	21.2	0.0	0.0	350	25-Aug
PX15	87	238	25.60	33.2	20.6	0.0	0.00	172.8	17.7	0.0	0.0	350	26-Aug
PX15	87	239	25.70	34.1	20.2	0.0	0.00	95.0	16.1	0.0	0.0	350	27-Aug
PX15	87	240	24.80	37.7	22.0	0.0	0.00	103.7	17.3	0.0	0.0	350	28-Aug
PX15	87	241	25.00	37.9	21.9	0.0	0.00	146.9	15.0	0.0	0.0	350	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX15	87	242	25.60	37.5	20.8	0.0	0.00	86.4	14.5	0.0	0.0	350	30-Aug
PX15	87	243	25.30	40.5	22.1	0.0	0.00	138.2	14.4	0.0	0.0	350	31-Aug
PX15	87	244	25.40	38.0	27.8	0.0	0.00	198.7	12.8	0.0	0.0	350	01-Sep
PX15	87	245	25.80	37.4	23.6	0.0	0.00	146.9	12.3	0.0	0.0	350	02-Sep
PX15	87	246	10.40	32.0	24.8	0.0	0.00	129.6	16.2	0.0	0.0	350	03-Sep
PX15	87	247	23.60	32.3	23.8	0.0	0.00	146.9	17.4	0.0	0.0	350	04-Sep
PX15	87	248	23.70	33.4	23.2	0.0	0.00	95.0	16.5	0.0	0.0	350	05-Sep
PX15	87	249	23.70	34.7	22.7	0.0	0.00	95.0	14.7	0.0	0.0	350	06-Sep
PX15	87	250	24.30	35.5	20.8	0.0	0.00	103.7	9.7	0.0	0.0	350	07-Sep
PX15	87	251	24.70	35.5	17.9	0.0	0.00	95.0	9.9	0.0	0.0	350	08-Sep
PX15	87	252	23.50	34.3	17.6	0.0	0.00	103.7	10.6	0.0	0.0	350	09-Sep
PX15	87	253	22.90	35.7	19.0	0.0	0.00	95.0	10.3	0.0	0.0	350	10-Sep
PX15	87	254	23.10	36.0	20.3	0.0	0.00	129.6	9.9	0.0	0.0	350	11-Sep
PX15	87	255	23.40	35.6	19.7	0.0	0.00	181.4	8.8	0.0	0.0	350	12-Sep
PX15	87	256	22.60	32.5	21.1	0.0	0.00	293.8	10.6	0.0	0.0	350	13-Sep
PX15	87	257	22.00	31.2	17.2	0.0	0.00	103.7	8.5	0.0	0.0	350	14-Sep
PX15	87	258	22.30	32.9	18.0	0.0	0.00	112.3	11.1	0.0	0.0	350	15-Sep
PX15	87	259	18.50	33.4	19.0	0.0	0.00	103.7	11.3	0.0	0.0	350	16-Sep
PX15	87	260	15.10	32.7	19.3	0.0	0.00	164.2	10.3	0.0	0.0	350	17-Sep
PX15	87	261	21.50	32.9	19.0	0.0	0.00	112.3	12.6	0.0	0.0	350	18-Sep
PX15	87	262	21.50	35.2	20.3	0.0	0.00	112.3	11.0	0.0	0.0	350	19-Sep
PX15	87	263	21.60	36.3	19.9	0.0	0.00	129.6	9.9	0.0	0.0	350	20-Sep
PX15	87	264	17.40	35.2	21.3	0.0	0.00	164.2	14.6	0.0	0.0	350	21-Sep
PX15	87	265	15.00	35.9	20.2	0.0	0.00	164.2	15.7	0.0	0.0	350	22-Sep
PX15	87	266	15.10	31.6	18.6	9.7	0.00	103.7	17.6	0.0	0.0	350	23-Sep
PX15	87	267	18.20	32.1	19.5	6.9	0.00	86.4	16.3	0.0	0.0	350	24-Sep
PX15	87	268	21.20	34.7	18.8	0.5	0.00	86.4	16.4	0.0	0.0	350	25-Sep
PX15	87	269	20.00	36.0	19.8	0.0	0.00	103.7	15.0	0.0	0.0	350	26-Sep
PX15	87	270	20.40	37.4	20.1	0.0	0.00	77.8	14.6	0.0	0.0	350	27-Sep
PX15	87	271	19.40	37.5	19.9	0.0	0.00	103.7	14.6	0.0	0.0	350	28-Sep
PX15	87	272	20.50	38.6	21.0	0.0	0.00	190.1	14.6	0.0	0.0	350	29-Sep
PX15	87	273	20.80	36.5	19.5	0.0	0.00	129.6	12.7	0.0	0.0	350	30-Sep
PX15	87	274	20.60	36.6	24.0	0.0	0.00	129.6	8.1	0.0	0.0	350	01-Oct
PX15	87	275	20.40	37.8	20.0	0.0	0.00	181.4	9.3	0.0	0.0	350	02-Oct
PX15	87	276	20.20	37.7	19.0	0.0	0.00	112.3	2.3	0.0	0.0	350	03-Oct
PX15	87	277	19.90	38.2	17.9	0.0	0.00	60.5	4.5	0.0	0.0	350	04-Oct
PX15	87	278	19.60	39.4	19.9	0.0	0.00	69.1	3.8	0.0	0.0	350	05-Oct
PX15	87	279	23.50	40.0	18.1	0.0	0.00	77.1	2.1	0.0	0.0	350	06-Oct
PX15	87	280	17.50	39.5	17.1	0.0	0.00	95.0	2.7	0.0	0.0	350	07-Oct
PX15	87	281	19.10	39.2	17.5	0.0	0.00	129.6	5.4	0.0	0.0	350	08-Oct
PX15	87	282	18.30	37.3	19.2	0.0	0.00	138.2	8.4	0.0	0.0	350	09-Oct
PX15	87	283	19.00	36.7	19.3	0.0	0.00	121.0	9.8	0.0	0.0	350	10-Oct

FILENAME: <u>PX050407.W87</u>   WEATHER DATA FOR CO2=650, IRR=DRY, NIT=-, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX05	33.40	112.00	2.30	0	1	1	0	1	650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX05	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX05	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX05	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX05	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX05	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX05	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX05	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX05	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX05	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX05	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX05	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX05	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX05	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX05	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX05	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX05	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX05	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX05	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX05	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX05	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX05	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX05	87 114	28.10	35.8	16.1	0.0	0.00	121.0	2.3	0.0	0.0	650	24-Apr
PX05	87 115	28.10	36.4	20.1	0.0	0.00	172.8	6.7	0.0	0.0	650	25-Apr
PX05	87 116	28.10	37.9	20.5	0.0	0.00	155.5	8.0	0.0	0.0	650	26-Apr
PX05	87 117	22.30	35.6	21.7	0.0	0.00	224.6	15.4	0.0	0.0	650	27-Apr
PX05	87 118	28.00	36.2	19.8	0.0	0.00	224.6	8.6	0.0	0.0	650	28-Apr
PX05	87 119	22.40	36.5	21.8	0.0	0.00	164.2	7.3	0.0	0.0	650	29-Apr
PX05	87 120	24.00	34.3	20.3	0.3	0.00	164.2	8.1	0.0	0.0	650	30-Apr
PX05	87 121	29.10	31.3	13.5	0.0	0.00	155.5	6.1	0.0	0.0	650	01-May
PX05	87 122	25.80	30.4	17.0	0.0	0.00	129.6	6.2	0.0	0.0	650	02-May
PX05	87 123	29.50	34.0	14.1	0.0	0.00	95.0	0.6	0.0	0.0	650	03-May
PX05	87 124	29.70	36.0	14.9	0.0	0.00	77.8	-1.9	0.0	0.0	650	04-May
PX05	87 125	29.10	38.1	16.1	0.0	0.00	66.5	0.4	0.0	0.0	650	05-May
PX05	87 126	29.30	37.8	20.8	0.0	0.00	155.5	5.1	0.0	0.0	650	06-May
PX05	87 127	28.10	37.4	24.1	0.0	0.00	172.8	6.7	0.0	0.0	650	07-May
PX05	87 128	29.30	36.1	22.6	0.0	0.00	164.2	7.5	0.0	0.0	650	08-May
PX05	87 129	29.50	38.1	19.6	0.0	0.00	86.4	7.3	0.0	0.0	650	09-May
PX05	87 130	27.30	37.2	23.2	0.0	0.00	103.7	10.3	0.0	0.0	650	10-May
PX05	87 131	29.10	37.4	19.7	1.5	0.00	95.0	11.3	0.0	0.0	650	11-May
PX05	87 132	28.50	39.2	22.1	0.0	0.00	129.6	6.7	0.0	0.0	650	12-May
PX05	87 133	28.90	39.9	21.5	0.0	0.00	138.2	10.0	0.0	0.0	650	13-May
PX05	87 134	25.60	39.9	24.7	0.0	0.00	164.2	12.2	0.0	0.0	650	14-May
PX05	87 135	24.00	37.5	21.4	0.3	0.00	181.4	13.4	0.0	0.0	650	15-May
PX05	87 136	28.10	37.2	20.2	0.0	0.00	86.4	10.3	0.0	0.0	650	16-May
PX05	87 137	29.10	38.9	20.4	0.0	0.00	121.0	10.1	0.0	0.0	650	17-May

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	87 138	29.30	39.1	22.0	0.0	0.00	190.1	10.6	0.0	0.0	650	18-May
PX05	87 139	24.40	35.6	21.6	0.0	0.00	172.8	8.8	0.0	0.0	650	19-May
PX05	87 140	26.40	35.0	20.4	0.0	0.00	233.3	7.1	0.0	0.0	650	20-May
PX05	87 141	29.50	32.5	16.7	0.0	0.00	138.2	7.8	0.0	0.0	650	21-May
PX05	87 142	29.30	35.9	16.4	0.0	0.00	121.0	3.2	0.0	0.0	650	22-May
PX05	87 143	31.20	36.0	16.9	0.0	0.00	146.9	-0.9	0.0	0.0	650	23-May
PX05	87 144	28.30	34.5	17.0	0.0	0.00	129.6	-0.0	0.0	0.0	650	24-May
PX05	87 145	23.10	33.2	17.3	0.0	0.00	198.7	1.9	0.0	0.0	650	25-May
PX05	87 146	30.10	28.1	13.4	0.0	0.00	164.2	1.1	0.0	0.0	650	26-May
PX05	87 147	29.90	30.6	13.2	0.0	0.00	112.3	1.3	0.0	0.0	650	27-May
PX05	87 148	30.10	32.9	16.3	0.0	0.00	121.0	1.1	0.0	0.0	650	28-May
PX05	87 149	30.40	35.0	16.6	0.0	0.00	121.0	3.6	0.0	0.0	650	29-May
PX05	87 150	30.80	37.4	17.7	0.0	0.00	103.7	1.7	0.0	0.0	650	30-May
PX05	87 151	31.40	38.7	18.8	0.0	0.00	129.6	2.3	0.0	0.0	650	31-May
PX05	87 152	31.40	40.4	22.0	0.5	0.00	172.8	2.7	0.0	0.0	650	01-Jun
PX05	87 153	31.00	40.8	21.2	0.0	0.00	121.0	5.1	0.0	0.0	650	02-Jun
PX05	87 154	28.70	43.1	21.1	0.0	0.00	95.0	3.8	0.0	0.0	650	03-Jun
PX05	87 155	28.50	40.2	26.4	0.0	0.00	224.6	8.1	0.0	0.0	650	04-Jun
PX05	87 156	19.60	39.5	25.1	0.0	0.00	181.4	8.2	0.0	0.0	650	05-Jun
PX05	87 157	30.80	35.9	23.9	1.8	0.00	129.6	14.7	0.0	0.0	650	06-Jun
PX05	87 158	31.20	41.5	23.6	0.0	0.00	164.2	10.6	0.0	0.0	650	07-Jun
PX05	87 159	31.60	42.3	23.2	0.0	0.00	146.8	4.3	0.0	0.0	650	08-Jun
PX05	87 160	32.00	40.3	22.6	0.0	0.00	112.3	4.8	0.0	0.0	650	09-Jun
PX05	87 161	32.00	41.4	21.7	0.0	0.00	112.3	2.5	0.0	0.0	650	10-Jun
PX05	87 162	30.40	40.8	21.6	0.0	0.00	95.0	4.6	0.0	0.0	650	11-Jun
PX05	87 163	30.10	41.3	25.5	0.0	0.00	77.8	8.6	0.0	0.0	650	12-Jun
PX05	87 164	29.90	43.6	24.6	0.0	0.00	25.9	7.5	0.0	0.0	650	13-Jun
PX05	87 165	30.40	45.7	26.3	0.0	0.00	86.4	7.3	0.0	0.0	650	14-Jun
PX05	87 166	32.00	42.4	26.4	0.0	0.00	129.6	3.6	0.0	0.0	650	15-Jun
PX05	87 167	31.20	38.3	21.4	0.0	0.00	43.2	2.3	0.0	0.0	650	16-Jun
PX05	87 168	32.00	40.4	21.0	0.0	0.00	43.2	8.1	0.0	0.0	650	17-Jun
PX05	87 169	32.20	39.1	22.0	0.0	0.00	103.7	7.7	0.0	0.0	650	18-Jun
PX05	87 170	30.10	38.5	19.7	0.0	0.00	17.3	4.6	0.0	0.0	650	19-Jun
PX05	87 171	28.30	39.0	20.1	0.0	0.00	25.9	1.5	0.0	0.0	650	20-Jun
PX05	87 172	32.00	39.6	19.9	0.0	0.00	60.5	6.2	0.0	0.0	650	21-Jun
PX05	87 173	32.00	39.3	21.8	0.0	0.00	51.8	5.3	0.0	0.0	650	22-Jun
PX05	87 174	31.00	38.6	21.6	0.0	0.00	34.6	10.7	0.0	0.0	650	23-Jun
PX05	87 175	30.10	39.3	23.6	0.0	0.00	34.6	11.1	0.0	0.0	650	24-Jun
PX05	87 176	16.50	39.0	27.7	0.0	0.00	8.6	10.6	0.0	0.0	650	25-Jun
PX05	87 177	30.60	41.6	25.0	0.0	0.00	34.6	11.0	0.0	0.0	650	26-Jun
PX05	87 178	31.00	41.9	26.0	0.0	0.00	43.2	8.6	0.0	0.0	650	27-Jun
PX05	87 179	31.40	41.3	25.2	0.0	0.00	77.8	5.4	0.0	0.0	650	28-Jun
PX05	87 180	31.60	41.1	23.8	0.0	0.00	95.0	3.9	0.0	0.0	650	29-Jun
PX05	87 181	31.20	40.1	21.1	0.0	0.00	146.9	4.1	0.0	0.0	650	30-Jun
PX05	87 182	27.90	38.9	22.9	0.0	0.00	103.7	0.9	0.0	0.0	650	01-Jul
PX05	87 183	31.60	39.9	19.3	0.0	0.00	103.7	5.6	0.0	0.0	650	02-Jul
PX05	87 184	31.40	40.5	20.6	0.0	0.00	103.7	3.9	0.0	0.0	650	03-Jul
PX05	87 185	32.40	40.2	21.2	1.3	0.00	155.5	2.3	0.0	0.0	650	04-Jul
PX05	87 186	32.20	41.1	20.6	0.0	0.00	138.2	2.5	0.0	0.0	650	05-Jul
PX05	87 187	31.20	41.1	22.1	0.0	0.00	112.3	1.7	0.0	0.0	650	06-Jul
PX05	87 188	23.90	39.6	21.7	0.0	0.00	112.3	5.4	0.0	0.0	650	07-Jul
PX05	87 189	20.50	40.4	20.6	0.0	0.00	129.6	5.1	0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	87	190	19.70	41.2	21.1	0.0	0.00	241.9	4.8	0.0	0.0	650	09-Jul
PX05	87	191	27.90	40.0	22.1	0.0	0.00	172.8	6.5	0.0	0.0	650	10-Jul
PX05	87	192	31.00	39.8	21.6	0.0	0.00	129.6	6.1	0.0	0.0	650	11-Jul
PX05	87	193	28.90	41.3	22.7	0.0	0.00	103.7	6.8	0.0	0.0	650	12-Jul
PX05	87	194	29.70	44.1	24.3	0.0	0.00	103.7	8.4	0.0	0.0	650	13-Jul
PX05	87	195	27.50	40.3	26.2	0.0	0.00	207.4	16.9	0.0	0.0	650	14-Jul
PX05	87	196	23.70	38.6	24.9	0.0	0.00	181.4	20.2	0.0	0.0	650	15-Jul
PX05	87	197	16.10	37.3	24.1	0.0	0.00	198.7	20.4	0.0	0.0	650	16-Jul
PX05	87	198	30.60	39.4	20.1	0.0	0.00	302.4	13.3	0.0	0.0	650	17-Jul
PX05	87	199	27.50	37.1	22.8	0.0	0.00	207.4	11.9	0.0	0.0	650	18-Jul
PX05	87	200	30.10	39.8	21.6	0.0	0.00	146.9	9.0	0.0	0.0	650	19-Jul
PX05	87	201	26.40	42.6	27.3	0.0	0.00	155.5	15.0	0.0	0.0	650	20-Jul
PX05	87	202	21.10	41.3	23.7	15.2	0.00	233.3	13.5	0.0	0.0	650	21-Jul
PX05	87	203	29.50	39.1	18.7	0.0	0.00	121.0	7.7	0.0	0.0	650	22-Jul
PX05	87	204	30.10	41.0	20.8	0.0	0.00	112.3	5.6	0.0	0.0	650	23-Jul
PX05	87	205	27.70	42.4	23.5	0.0	0.00	138.2	7.4	0.0	0.0	650	24-Jul
PX05	87	206	23.50	43.2	31.1	0.0	0.00	155.5	7.3	0.0	0.0	650	25-Jul
PX05	87	207	26.00	43.8	26.7	0.0	0.00	198.7	17.9	0.0	0.0	650	26-Jul
PX05	87	208	23.10	37.7	25.4	11.9	0.00	190.1	19.9	0.0	0.0	650	27-Jul
PX05	87	209	21.70	34.5	24.8	1.3	0.00	121.0	20.1	0.0	0.0	650	28-Jul
PX05	87	210	23.50	37.9	25.3	0.0	0.00	129.6	18.8	0.0	0.0	650	29-Jul
PX05	87	211	28.50	39.1	27.0	0.0	0.00	198.7	18.1	0.0	0.0	650	30-Jul
PX05	87	212	21.70	39.6	23.5	0.0	0.00	129.6	20.8	0.0	0.0	650	31-Jul
PX05	87	213	27.50	36.9	25.9	18.0	0.00	172.8	21.5	0.0	0.0	650	01-Aug
PX05	87	214	28.40	39.3	28.6	0.0	0.00	224.6	20.8	0.0	0.0	650	02-Aug
PX05	87	215	25.90	39.5	26.4	0.0	0.00	121.0	19.7	0.0	0.0	650	03-Aug
PX05	87	216	27.80	38.8	24.4	0.0	0.00	172.8	20.2	0.0	0.0	650	04-Aug
PX05	87	217	27.20	36.5	24.4	12.7	0.00	121.0	22.1	0.0	0.0	650	05-Aug
PX05	87	218	23.30	37.4	27.1	0.0	0.00	146.9	22.0	0.0	0.0	650	06-Aug
PX05	87	219	25.40	39.7	28.0	0.0	0.00	138.2	17.5	0.0	0.0	650	07-Aug
PX05	87	220	27.50	40.5	26.7	0.0	0.00	112.3	16.3	0.0	0.0	650	08-Aug
PX05	87	221	19.40	38.5	27.6	0.0	0.00	129.6	17.0	0.0	0.0	650	09-Aug
PX05	87	222	24.40	40.2	25.0	0.0	0.00	164.2	18.0	0.0	0.0	650	10-Aug
PX05	87	223	12.50	30.4	23.2	7.9	0.00	95.0	21.3	0.0	0.0	650	11-Aug
PX05	87	224	27.30	36.7	24.2	0.0	0.00	146.9	19.7	0.0	0.0	650	12-Aug
PX05	87	225	28.00	38.1	24.9	0.0	0.00	129.6	15.3	0.0	0.0	650	13-Aug
PX05	87	226	28.30	38.8	25.0	0.0	0.00	285.1	12.4	0.0	0.0	650	14-Aug
PX05	87	227	28.80	38.2	22.0	0.0	0.00	181.4	9.9	0.0	0.0	650	15-Aug
PX05	87	228	28.10	39.2	20.6	0.0	0.00	112.3	7.1	0.0	0.0	650	16-Aug
PX05	87	229	27.80	41.3	20.5	0.0	0.00	95.0	8.2	0.0	0.0	650	17-Aug
PX05	87	230	27.40	40.1	22.5	0.0	0.00	103.7	11.9	0.0	0.0	650	18-Aug
PX05	87	231	25.90	38.5	25.4	0.0	0.00	129.6	14.3	0.0	0.0	650	19-Aug
PX05	87	232	26.00	40.2	29.5	0.0	0.00	155.5	16.8	0.0	0.0	650	20-Aug
PX05	87	233	24.90	39.9	27.4	0.0	0.00	146.9	16.8	0.0	0.0	650	21-Aug
PX05	87	234	24.80	38.3	27.9	0.0	0.00	181.4	18.8	0.0	0.0	650	22-Aug
PX05	87	235	17.80	35.0	24.6	3.6	0.00	121.0	19.8	0.0	0.0	650	23-Aug
PX05	87	236	19.40	38.1	23.7	3.0	0.00	224.6	18.5	0.0	0.0	650	24-Aug
PX05	87	237	21.60	35.2	22.2	21.1	0.00	138.2	18.1	0.0	0.0	650	25-Aug
PX05	87	238	25.60	34.1	21.7	0.0	0.00	172.8	15.7	0.0	0.0	650	26-Aug
PX05	87	239	25.70	35.7	20.5	0.0	0.00	95.0	13.8	0.0	0.0	650	27-Aug
PX05	87	240	24.80	38.4	22.7	0.0	0.00	103.7	13.2	0.0	0.0	650	28-Aug
PX05	87	241	25.00	39.7	24.2	0.0	0.00	146.9	12.8	0.0	0.0	650	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX05	87	242	25.60	39.1	22.9	0.0	0.00	86.4	12.4	0.0	0.0	650	30-Aug
PX05	87	243	25.30	41.5	24.5	0.0	0.00	138.2	10.3	0.0	0.0	650	31-Aug
PX05	87	244	25.40	39.0	28.3	0.0	0.00	198.7	11.4	0.0	0.0	650	01-Sep
PX05	87	245	25.80	38.6	24.2	0.0	0.00	146.9	10.3	0.0	0.0	650	02-Sep
PX05	87	246	10.40	33.9	25.7	0.0	0.00	129.6	15.0	0.0	0.0	650	03-Sep
PX05	87	247	23.60	33.7	24.1	0.0	0.00	146.9	17.2	0.0	0.0	650	04-Sep
PX05	87	248	23.70	35.0	23.2	0.0	0.00	95.0	17.3	0.0	0.0	650	05-Sep
PX05	87	249	23.70	35.4	20.8	0.0	0.00	95.0	15.4	0.0	0.0	650	06-Sep
PX05	87	250	24.30	36.5	18.4	0.0	0.00	103.7	13.1	0.0	0.0	650	07-Sep
PX05	87	251	24.70	36.6	18.6	0.0	0.00	95.0	7.7	0.0	0.0	650	08-Sep
PX05	87	252	23.50	35.9	18.8	0.0	0.00	103.7	7.1	0.0	0.0	650	09-Sep
PX05	87	253	22.90	37.2	19.5	0.0	0.00	95.0	8.0	0.0	0.0	650	10-Sep
PX05	87	254	23.10	37.6	21.3	0.0	0.00	129.6	6.7	0.0	0.0	650	11-Sep
PX05	87	255	23.40	36.5	20.0	0.0	0.00	181.4	8.0	0.0	0.0	650	12-Sep
PX05	87	256	22.60	33.2	21.6	0.0	0.00	293.8	10.3	0.0	0.0	650	13-Sep
PX05	87	257	22.00	31.9	17.9	0.0	0.00	103.7	7.7	0.0	0.0	650	14-Sep
PX05	87	258	22.30	33.1	18.2	0.0	0.00	112.3	10.6	0.0	0.0	650	15-Sep
PX05	87	259	18.50	33.6	19.5	0.0	0.00	103.7	10.3	0.0	0.0	650	16-Sep
PX05	87	260	15.10	33.1	19.6	0.0	0.00	164.2	9.0	0.0	0.0	650	17-Sep
PX05	87	261	21.50	33.4	19.3	0.0	0.00	112.3	8.6	0.0	0.0	650	18-Sep
PX05	87	262	21.50	35.4	20.8	0.0	0.00	112.3	10.6	0.0	0.0	650	19-Sep
PX05	87	263	21.60	38.5	19.5	0.0	0.00	129.6	8.6	0.0	0.0	650	20-Sep
PX05	87	264	17.40	34.9	21.7	0.0	0.00	164.2	16.0	0.0	0.0	650	21-Sep
PX05	87	265	15.00	35.9	20.5	0.0	0.00	164.2	15.0	0.0	0.0	650	22-Sep
PX05	87	266	15.10	31.6	18.7	9.7	0.00	103.7	17.3	0.0	0.0	650	23-Sep
PX05	87	267	18.20	32.2	19.6	6.9	0.00	86.4	16.9	0.0	0.0	650	24-Sep
PX05	87	268	21.20	34.6	20.0	0.5	0.00	86.4	14.8	0.0	0.0	650	25-Sep
PX05	87	269	20.00	35.9	19.7	0.0	0.00	103.7	13.7	0.0	0.0	650	26-Sep
PX05	87	270	20.40	37.2	20.1	0.0	0.00	77.8	12.5	0.0	0.0	650	27-Sep
PX05	87	271	19.40	37.5	19.9	0.0	0.00	103.7	11.5	0.0	0.0	650	28-Sep
PX05	87	272	20.50	38.5	21.2	0.0	0.00	190.1	8.9	0.0	0.0	650	29-Sep
PX05	87	273	20.80	36.4	19.8	0.0	0.00	129.6	8.9	0.0	0.0	650	30-Sep
PX05	87	274	20.60	36.5	24.7	0.0	0.00	129.6	7.1	0.0	0.0	650	01-Oct
PX05	87	275	20.40	37.7	20.2	0.0	0.00	181.4	8.5	0.0	0.0	650	02-Oct
PX05	87	276	20.20	37.3	19.2	0.0	0.00	112.3	1.1	0.0	0.0	650	03-Oct
PX05	87	277	19.90	37.8	18.1	0.0	0.00	60.5	3.4	0.0	0.0	650	04-Oct
PX05	87	278	19.60	39.0	20.0	0.0	0.00	69.1	2.5	0.0	0.0	650	05-Oct
PX05	87	279	23.50	39.3	17.9	0.0	0.00	77.1	0.9	0.0	0.0	650	06-Oct
PX05	87	280	17.50	38.9	17.2	0.0	0.00	95.0	1.7	0.0	0.0	650	07-Oct
PX05	87	281	19.10	38.8	17.5	0.0	0.00	129.6	4.3	0.0	0.0	650	08-Oct
PX05	87	282	18.30	37.3	19.5	0.0	0.00	138.2	8.1	0.0	0.0	650	09-Oct
PX05	87	283	19.00	36.7	19.5	0.0	0.00	121.0	9.0	0.0	0.0	650	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX11	33.40	112.00	2.30	0 1 1 0 1					650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX11	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX11	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX11	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX11	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX11	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX11	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX11	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX11	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX11	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX11	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX11	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX11	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX11	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX11	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX11	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX11	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX11	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX11	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX11	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX11	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX11	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX11	87 114	28.10	37.0	16.5	0.0	0.00	121.0	7.1	0.0	0.0	650	24-Apr
PX11	87 115	28.10	36.6	20.4	0.0	0.00	172.8	9.2	0.0	0.0	650	25-Apr
PX11	87 116	28.10	38.0	20.9	0.0	0.00	155.5	10.5	0.0	0.0	650	26-Apr
PX11	87 117	22.30	35.8	21.7	0.0	0.00	224.6	11.0	0.0	0.0	650	27-Apr
PX11	87 118	28.00	36.2	20.0	0.0	0.00	224.6	11.3	0.0	0.0	650	28-Apr
PX11	87 119	22.40	36.8	21.9	0.0	0.00	164.2	7.5	0.0	0.0	650	29-Apr
PX11	87 120	24.00	34.3	20.6	0.3	0.00	164.2	8.1	0.0	0.0	650	30-Apr
PX11	87 121	29.10	31.8	13.4	0.0	0.00	155.5	7.4	0.0	0.0	650	01-May
PX11	87 122	25.80	30.4	16.9	0.0	0.00	129.6	7.1	0.0	0.0	650	02-May
PX11	87 123	29.50	34.2	13.8	0.0	0.00	95.0	2.3	0.0	0.0	650	03-May
PX11	87 124	29.70	36.5	14.4	0.0	0.00	77.8	0.4	0.0	0.0	650	04-May
PX11	87 125	29.10	38.3	16.0	0.0	0.00	66.5	2.7	0.0	0.0	650	05-May
PX11	87 126	29.30	37.9	20.9	0.0	0.00	155.5	6.5	0.0	0.0	650	06-May
PX11	87 127	28.10	36.9	24.2	0.0	0.00	172.8	7.1	0.0	0.0	650	07-May
PX11	87 128	29.30	35.6	22.1	0.0	0.00	164.2	7.5	0.0	0.0	650	08-May
PX11	87 129	29.50	37.6	19.4	0.0	0.00	86.4	10.0	0.0	0.0	650	09-May
PX11	87 130	27.30	37.3	22.9	0.0	0.00	103.7	10.7	0.0	0.0	650	10-May
PX11	87 131	29.10	37.2	19.7	1.5	0.00	95.0	10.4	0.0	0.0	650	11-May
PX11	87 132	28.50	39.4	21.6	0.0	0.00	129.6	6.4	0.0	0.0	650	12-May
PX11	87 133	28.90	39.7	21.7	0.0	0.00	138.2	8.2	0.0	0.0	650	13-May
PX11	87 134	25.60	39.9	24.6	0.0	0.00	164.2	10.4	0.0	0.0	650	14-May
PX11	87 135	24.00	37.8	21.4	0.3	0.00	181.4	12.7	0.0	0.0	650	15-May
PX11	87 136	28.10	35.4	20.5	0.0	0.00	86.4	11.0	0.0	0.0	650	16-May
PX11	87 137	29.10	38.4	20.5	0.0	0.00	121.0	7.1	0.0	0.0	650	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	87	138	29.30	38.6	22.3	0.0	0.00	190.1	5.1	0.0	0.0	650	18-May
PX11	87	139	24.40	35.6	21.6	0.0	0.00	172.8	4.3	0.0	0.0	650	19-May
PX11	87	140	26.40	35.0	20.4	0.0	0.00	233.3	7.7	0.0	0.0	650	20-May
PX11	87	141	29.50	32.3	17.0	0.0	0.00	138.2	9.2	0.0	0.0	650	21-May
PX11	87	142	29.30	35.5	16.7	0.0	0.00	121.0	5.4	0.0	0.0	650	22-May
PX11	87	143	31.20	35.8	17.3	0.0	0.00	146.9	-1.9	0.0	0.0	650	23-May
PX11	87	144	28.30	34.5	17.2	0.0	0.00	129.6	-0.9	0.0	0.0	650	24-May
PX11	87	145	23.10	33.2	17.5	0.0	0.00	198.7	1.1	0.0	0.0	650	25-May
PX11	87	146	30.10	28.1	13.6	0.0	0.00	164.2	0.4	0.0	0.0	650	26-May
PX11	87	147	29.90	30.0	13.4	0.0	0.00	112.3	1.9	0.0	0.0	650	27-May
PX11	87	148	30.10	33.0	16.5	0.0	0.00	121.0	2.5	0.0	0.0	650	28-May
PX11	87	149	30.40	34.6	17.0	0.0	0.00	121.0	3.6	0.0	0.0	650	29-May
PX11	87	150	30.80	37.3	18.0	0.0	0.00	103.7	4.3	0.0	0.0	650	30-May
PX11	87	151	31.40	38.8	19.1	0.0	0.00	129.6	4.6	0.0	0.0	650	31-May
PX11	87	152	31.40	40.2	22.1	0.5	0.00	172.8	5.0	0.0	0.0	650	01-Jun
PX11	87	153	31.00	40.9	21.5	0.0	0.00	121.0	5.4	0.0	0.0	650	02-Jun
PX11	87	154	28.70	42.1	21.3	0.0	0.00	95.0	4.5	0.0	0.0	650	03-Jun
PX11	87	155	28.50	39.6	26.4	0.0	0.00	224.6	8.9	0.0	0.0	650	04-Jun
PX11	87	156	19.60	38.9	25.3	0.0	0.00	181.4	9.2	0.0	0.0	650	05-Jun
PX11	87	157	30.80	34.8	24.0	1.8	0.00	129.6	15.0	0.0	0.0	650	06-Jun
PX11	87	158	31.20	40.5	23.7	0.0	0.00	164.2	11.0	0.0	0.0	650	07-Jun
PX11	87	159	31.60	41.1	23.3	0.0	0.00	146.8	4.6	0.0	0.0	650	08-Jun
PX11	87	160	32.00	39.2	22.6	0.0	0.00	112.3	5.0	0.0	0.0	650	09-Jun
PX11	87	161	32.00	40.9	21.6	0.0	0.00	112.3	2.9	0.0	0.0	650	10-Jun
PX11	87	162	30.40	40.8	21.2	0.0	0.00	95.0	4.8	0.0	0.0	650	11-Jun
PX11	87	163	30.10	41.5	25.3	0.0	0.00	77.8	8.8	0.0	0.0	650	12-Jun
PX11	87	164	29.90	43.8	24.7	0.0	0.00	25.9	7.7	0.0	0.0	650	13-Jun
PX11	87	165	30.40	45.7	26.5	0.0	0.00	86.4	7.7	0.0	0.0	650	14-Jun
PX11	87	166	32.00	41.9	26.4	0.0	0.00	129.6	4.5	0.0	0.0	650	15-Jun
PX11	87	167	31.20	38.7	21.2	0.0	0.00	43.2	4.8	0.0	0.0	650	16-Jun
PX11	87	168	32.00	40.4	20.7	0.0	0.00	43.2	6.4	0.0	0.0	650	17-Jun
PX11	87	169	32.20	39.2	21.8	0.0	0.00	103.7	3.4	0.0	0.0	650	18-Jun
PX11	87	170	30.10	38.5	19.8	0.0	0.00	17.3	3.4	0.0	0.0	650	19-Jun
PX11	87	171	28.30	38.6	20.0	0.0	0.00	25.9	4.5	0.0	0.0	650	20-Jun
PX11	87	172	32.00	39.3	20.1	0.0	0.00	60.5	5.8	0.0	0.0	650	21-Jun
PX11	87	173	32.00	39.1	22.0	0.0	0.00	51.8	8.0	0.0	0.0	650	22-Jun
PX11	87	174	31.00	38.2	21.7	0.0	0.00	34.6	11.5	0.0	0.0	650	23-Jun
PX11	87	175	30.10	39.6	22.8	0.0	0.00	34.6	12.9	0.0	0.0	650	24-Jun
PX11	87	176	16.50	39.0	27.4	0.0	0.00	8.6	12.1	0.0	0.0	650	25-Jun
PX11	87	177	30.60	41.7	24.6	0.0	0.00	34.6	11.4	0.0	0.0	650	26-Jun
PX11	87	178	31.00	42.0	25.6	0.0	0.00	43.2	8.6	0.0	0.0	650	27-Jun
PX11	87	179	31.40	41.4	24.8	0.0	0.00	77.8	5.4	0.0	0.0	650	28-Jun
PX11	87	180	31.60	41.2	23.6	0.0	0.00	95.0	4.1	0.0	0.0	650	29-Jun
PX11	87	181	31.20	39.8	20.8	0.0	0.00	146.9	2.3	0.0	0.0	650	30-Jun
PX11	87	182	27.90	38.8	22.6	0.0	0.00	103.7	1.5	0.0	0.0	650	01-Jul
PX11	87	183	31.60	39.9	18.7	0.0	0.00	103.7	3.6	0.0	0.0	650	02-Jul
PX11	87	184	31.40	40.5	20.5	0.0	0.00	103.7	4.3	0.0	0.0	650	03-Jul
PX11	87	185	32.40	40.2	20.6	1.3	0.00	155.5	2.3	0.0	0.0	650	04-Jul
PX11	87	186	32.20	41.0	20.6	0.0	0.00	138.2	2.7	0.0	0.0	650	05-Jul
PX11	87	187	31.20	40.9	22.0	0.0	0.00	112.3	1.9	0.0	0.0	650	06-Jul
PX11	87	188	23.90	39.2	21.6	0.0	0.00	112.3	5.6	0.0	0.0	650	07-Jul
PX11	87	189	20.50	39.7	20.9	0.0	0.00	129.6	5.1	0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX11	87	190	19.70	41.1	21.1	0.0	0.00	241.9	4.3	0.0	0.0	650	09-Jul
PX11	87	191	27.90	39.8	22.1	0.0	0.00	172.8	6.4	0.0	0.0	650	10-Jul
PX11	87	192	31.00	40.6	21.4	0.0	0.00	129.6	5.9	0.0	0.0	650	11-Jul
PX11	87	193	28.90	41.3	22.6	0.0	0.00	103.7	7.0	0.0	0.0	650	12-Jul
PX11	87	194	29.70	43.8	24.1	0.0	0.00	103.7	7.8	0.0	0.0	650	13-Jul
PX11	87	195	27.50	42.4	26.1	0.0	0.00	207.4	11.9	0.0	0.0	650	14-Jul
PX11	87	196	23.70	38.7	27.5	0.0	0.00	181.4	14.8	0.0	0.0	650	15-Jul
PX11	87	197	16.10	35.0	26.1	0.0	0.00	198.7	16.9	0.0	0.0	650	16-Jul
PX11	87	198	30.60	38.8	21.6	0.0	0.00	302.4	10.0	0.0	0.0	650	17-Jul
PX11	87	199	27.50	37.3	22.7	0.0	0.00	207.4	12.3	0.0	0.0	650	18-Jul
PX11	87	200	30.10	39.5	21.2	0.0	0.00	146.9	9.8	0.0	0.0	650	19-Jul
PX11	87	201	26.40	43.0	27.2	0.0	0.00	155.5	15.8	0.0	0.0	650	20-Jul
PX11	87	202	21.10	41.8	23.4	15.2	0.00	233.3	13.9	0.0	0.0	650	21-Jul
PX11	87	203	29.50	39.2	18.5	0.0	0.00	121.0	8.6	0.0	0.0	650	22-Jul
PX11	87	204	30.10	41.1	20.1	0.0	0.00	112.3	7.3	0.0	0.0	650	23-Jul
PX11	87	205	27.70	42.8	23.3	0.0	0.00	138.2	8.8	0.0	0.0	650	24-Jul
PX11	87	206	23.50	43.2	30.6	0.0	0.00	155.5	14.9	0.0	0.0	650	25-Jul
PX11	87	207	26.00	43.7	26.0	0.0	0.00	198.7	18.2	0.0	0.0	650	26-Jul
PX11	87	208	23.10	38.3	25.2	11.9	0.00	190.1	19.5	0.0	0.0	650	27-Jul
PX11	87	209	21.70	35.1	24.6	1.3	0.00	121.0	20.2	0.0	0.0	650	28-Jul
PX11	87	210	23.50	38.4	25.2	0.0	0.00	129.6	18.9	0.0	0.0	650	29-Jul
PX11	87	211	28.50	39.1	26.7	0.0	0.00	198.7	18.6	0.0	0.0	650	30-Jul
PX11	87	212	21.70	39.6	23.7	0.0	0.00	129.6	21.1	0.0	0.0	650	31-Jul
PX11	87	213	27.50	37.1	25.7	18.0	0.00	172.8	21.7	0.0	0.0	650	01-Aug
PX11	87	214	28.40	40.0	28.7	0.0	0.00	224.6	20.8	0.0	0.0	650	02-Aug
PX11	87	215	25.90	40.3	26.2	0.0	0.00	121.0	19.8	0.0	0.0	650	03-Aug
PX11	87	216	27.80	39.8	24.4	0.0	0.00	172.8	20.4	0.0	0.0	650	04-Aug
PX11	87	217	27.20	37.1	24.3	12.7	0.00	121.0	22.3	0.0	0.0	650	05-Aug
PX11	87	218	23.30	38.3	27.4	0.0	0.00	146.9	22.0	0.0	0.0	650	06-Aug
PX11	87	219	25.40	41.2	28.4	0.0	0.00	138.2	17.7	0.0	0.0	650	07-Aug
PX11	87	220	27.50	41.9	26.8	0.0	0.00	112.3	16.5	0.0	0.0	650	08-Aug
PX11	87	221	19.40	39.1	27.4	0.0	0.00	129.6	17.3	0.0	0.0	650	09-Aug
PX11	87	222	24.40	41.1	25.2	0.0	0.00	164.2	18.1	0.0	0.0	650	10-Aug
PX11	87	223	12.50	30.4	23.3	7.9	0.00	95.0	21.5	0.0	0.0	650	11-Aug
PX11	87	224	27.30	37.5	24.4	0.0	0.00	146.9	19.9	0.0	0.0	650	12-Aug
PX11	87	225	28.00	39.1	24.7	0.0	0.00	129.6	16.0	0.0	0.0	650	13-Aug
PX11	87	226	28.30	39.5	24.8	0.0	0.00	285.1	13.5	0.0	0.0	650	14-Aug
PX11	87	227	28.80	38.4	22.2	0.0	0.00	181.4	11.4	0.0	0.0	650	15-Aug
PX11	87	228	28.10	39.2	20.6	0.0	0.00	112.3	9.5	0.0	0.0	650	16-Aug
PX11	87	229	27.80	41.9	20.4	0.0	0.00	95.0	10.9	0.0	0.0	650	17-Aug
PX11	87	230	27.40	41.1	22.4	0.0	0.00	103.7	13.7	0.0	0.0	650	18-Aug
PX11	87	231	25.90	39.3	25.7	0.0	0.00	129.6	16.2	0.0	0.0	650	19-Aug
PX11	87	232	26.00	40.9	29.7	0.0	0.00	155.5	18.7	0.0	0.0	650	20-Aug
PX11	87	233	24.90	41.2	27.5	0.0	0.00	146.9	17.1	0.0	0.0	650	21-Aug
PX11	87	234	24.80	39.0	28.1	0.0	0.00	181.4	18.5	0.0	0.0	650	22-Aug
PX11	87	235	17.80	35.0	24.8	3.6	0.00	121.0	19.8	0.0	0.0	650	23-Aug
PX11	87	236	19.40	38.3	23.7	3.0	0.00	224.6	18.4	0.0	0.0	650	24-Aug
PX11	87	237	21.60	36.6	22.1	21.1	0.00	138.2	17.7	0.0	0.0	650	25-Aug
PX11	87	238	25.60	35.8	21.9	0.0	0.00	172.8	15.2	0.0	0.0	650	26-Aug
PX11	87	239	25.70	37.3	21.0	0.0	0.00	95.0	13.4	0.0	0.0	650	27-Aug
PX11	87	240	24.80	39.5	23.1	0.0	0.00	103.7	13.3	0.0	0.0	650	28-Aug
PX11	87	241	25.00	41.3	24.4	0.0	0.00	146.9	13.0	0.0	0.0	650	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX11	87	242	25.60	40.9	23.1	0.0	0.00	86.4	12.6	0.0	0.0	650	30-Aug
PX11	87	243	25.30	43.2	24.7	0.0	0.00	138.2	10.7	0.0	0.0	650	31-Aug
PX11	87	244	25.40	40.1	28.6	0.0	0.00	198.7	11.9	0.0	0.0	650	01-Sep
PX11	87	245	25.80	38.9	24.4	0.0	0.00	146.9	11.2	0.0	0.0	650	02-Sep
PX11	87	246	10.40	34.2	25.5	0.0	0.00	129.6	15.0	0.0	0.0	650	03-Sep
PX11	87	247	23.60	33.9	24.2	0.0	0.00	146.9	16.9	0.0	0.0	650	04-Sep
PX11	87	248	23.70	35.8	23.8	0.0	0.00	95.0	15.5	0.0	0.0	650	05-Sep
PX11	87	249	23.70	37.0	23.2	0.0	0.00	95.0	13.6	0.0	0.0	650	06-Sep
PX11	87	250	24.30	37.7	21.6	0.0	0.00	103.7	8.0	0.0	0.0	650	07-Sep
PX11	87	251	24.70	37.7	18.6	0.0	0.00	95.0	7.1	0.0	0.0	650	08-Sep
PX11	87	252	23.50	37.4	18.8	0.0	0.00	103.7	6.2	0.0	0.0	650	09-Sep
PX11	87	253	22.90	38.6	19.7	0.0	0.00	95.0	7.0	0.0	0.0	650	10-Sep
PX11	87	254	23.10	34.6	21.3	0.0	0.00	129.6	5.4	0.0	0.0	650	11-Sep
PX11	87	255	23.40	37.6	20.3	0.0	0.00	181.4	6.2	0.0	0.0	650	12-Sep
PX11	87	256	22.60	34.4	21.8	0.0	0.00	293.8	8.6	0.0	0.0	650	13-Sep
PX11	87	257	22.00	33.0	17.5	0.0	0.00	103.7	6.4	0.0	0.0	650	14-Sep
PX11	87	258	22.30	34.2	18.4	0.0	0.00	112.3	9.2	0.0	0.0	650	15-Sep
PX11	87	259	18.50	35.1	19.6	0.0	0.00	103.7	9.7	0.0	0.0	650	16-Sep
PX11	87	260	15.10	33.9	19.8	0.0	0.00	164.2	8.9	0.0	0.0	650	17-Sep
PX11	87	261	21.50	34.5	19.4	0.0	0.00	112.3	11.2	0.0	0.0	650	18-Sep
PX11	87	262	21.50	36.7	21.0	0.0	0.00	112.3	9.4	0.0	0.0	650	19-Sep
PX11	87	263	21.60	37.9	20.3	0.0	0.00	129.6	8.5	0.0	0.0	650	20-Sep
PX11	87	264	17.40	35.9	22.0	0.0	0.00	164.2	14.0	0.0	0.0	650	21-Sep
PX11	87	265	15.00	36.4	20.6	0.0	0.00	164.2	15.3	0.0	0.0	650	22-Sep
PX11	87	266	15.10	32.0	18.8	9.7	0.00	103.7	17.3	0.0	0.0	650	23-Sep
PX11	87	267	18.20	32.8	19.9	6.9	0.00	86.4	16.9	0.0	0.0	650	24-Sep
PX11	87	268	21.20	35.3	20.2	0.5	0.00	86.4	15.1	0.0	0.0	650	25-Sep
PX11	87	269	20.00	36.5	20.0	0.0	0.00	103.7	14.3	0.0	0.0	650	26-Sep
PX11	87	270	20.40	38.0	20.4	0.0	0.00	77.8	13.3	0.0	0.0	650	27-Sep
PX11	87	271	19.40	38.0	20.3	0.0	0.00	103.7	12.7	0.0	0.0	650	28-Sep
PX11	87	272	20.50	38.6	21.3	0.0	0.00	190.1	11.3	0.0	0.0	650	29-Sep
PX11	87	273	20.80	36.7	19.8	0.0	0.00	129.6	10.5	0.0	0.0	650	30-Sep
PX11	87	274	20.60	36.5	24.7	0.0	0.00	129.6	7.7	0.0	0.0	650	01-Oct
PX11	87	275	20.40	37.7	20.2	0.0	0.00	181.4	9.3	0.0	0.0	650	02-Oct
PX11	87	276	20.20	37.6	19.5	0.0	0.00	112.3	5.8	0.0	0.0	650	03-Oct
PX11	87	277	19.90	38.1	18.8	0.0	0.00	60.5	2.5	0.0	0.0	650	04-Oct
PX11	87	278	19.60	39.6	20.5	0.0	0.00	69.1	5.8	0.0	0.0	650	05-Oct
PX11	87	279	23.50	40.3	18.3	0.0	0.00	77.1	5.6	0.0	0.0	650	06-Oct
PX11	87	280	17.50	39.7	17.3	0.0	0.00	95.0	7.8	0.0	0.0	650	07-Oct
PX11	87	281	19.10	39.8	17.8	0.0	0.00	129.6	7.4	0.0	0.0	650	08-Oct
PX11	87	282	18.30	37.9	19.5	0:0	0.00	138.2	10.9	0.0	0.0	650	09-Oct
PX11	87	283	19.00	37.3	19.5	0.0	0.00	121.0	11.8	0.0	0.0	650	10-Oct

FILENAME: PX060407.W87   WEATHER DATA FOR CO2=650, IRR=DRY, NIT=+, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓	CO2YR	WINDYR
PX06	33.40	112.00	2.30	0 1 1 0 1	650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX06	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX06	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX06	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX06	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX06	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX06	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX06	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX06	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX06	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX06	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX06	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX06	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX06	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX06	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX06	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX06	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX06	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX06	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX06	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX06	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX06	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX06	87 114	28.10	35.6	15.8	0.0	0.00	121.0	4.1	0.0	0.0	650	24-Apr
PX06	87 115	28.10	36.6	20.2	0.0	0.00	172.8	7.0	0.0	0.0	650	25-Apr
PX06	87 116	28.10	38.3	20.6	0.0	0.00	155.5	7.3	0.0	0.0	650	26-Apr
PX06	87 117	22.30	36.2	20.8	0.0	0.00	224.6	7.1	0.0	0.0	650	27-Apr
PX06	87 118	28.00	36.6	18.1	0.0	0.00	224.6	7.5	0.0	0.0	650	28-Apr
PX06	87 119	22.40	37.4	21.7	0.0	0.00	164.2	8.0	0.0	0.0	650	29-Apr
PX06	87 120	24.00	35.0	20.5	0.3	0.00	164.2	9.0	0.0	0.0	650	30-Apr
PX06	87 121	29.10	31.9	13.5	0.0	0.00	155.5	7.1	0.0	0.0	650	01-May
PX06	87 122	25.80	30.9	16.9	0.0	0.00	129.6	7.1	0.0	0.0	650	02-May
PX06	87 123	29.50	34.8	13.8	0.0	0.00	95.0	2.1	0.0	0.0	650	03-May
PX06	87 124	29.70	37.7	14.7	0.0	0.00	77.8	-0.2	0.0	0.0	650	04-May
PX06	87 125	29.10	39.1	15.9	0.0	0.00	66.5	2.3	0.0	0.0	650	05-May
PX06	87 126	29.30	38.6	20.6	0.0	0.00	155.5	6.5	0.0	0.0	650	06-May
PX06	87 127	28.10	37.7	24.0	0.0	0.00	172.8	8.1	0.0	0.0	650	07-May
PX06	87 128	29.30	36.4	22.2	0.0	0.00	164.2	8.2	0.0	0.0	650	08-May
PX06	87 129	29.50	38.2	19.4	0.0	0.00	86.4	8.0	0.0	0.0	650	09-May
PX06	87 130	27.30	37.3	22.6	0.0	0.00	103.7	10.7	0.0	0.0	650	10-May
PX06	87 131	29.10	37.5	19.8	1.5	0.00	95.0	11.6	0.0	0.0	650	11-May
PX06	87 132	28.50	39.4	22.3	0.0	0.00	129.6	7.4	0.0	0.0	650	12-May
PX06	87 133	28.90	40.4	21.6	0.0	0.00	138.2	9.2	0.0	0.0	650	13-May
PX06	87 134	25.60	40.4	24.7	0.0	0.00	164.2	12.5	0.0	0.0	650	14-May
PX06	87 135	24.00	37.7	21.5	0.3	0.00	181.4	13.8	0.0	0.0	650	15-May
PX06	87 136	28.10	36.8	20.5	0.0	0.00	86.4	11.4	0.0	0.0	650	16-May
PX06	87 137	29.10	38.6	20.5	0.0	0.00	121.0	9.5	0.0	0.0	650	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	87	138	29.30	39.1	22.2	0.0	0.00	190.1	8.2	0.0	0.0	650	18-May
PX06	87	139	24.40	35.6	21.7	0.0	0.00	172.8	7.1	0.0	0.0	650	19-May
PX06	87	140	26.40	35.1	20.5	0.0	0.00	233.3	9.2	0.0	0.0	650	20-May
PX06	87	141	29.50	32.6	16.8	0.0	0.00	138.2	8.2	0.0	0.0	650	21-May
PX06	87	142	29.30	36.2	16.4	0.0	0.00	121.0	3.9	0.0	0.0	650	22-May
PX06	87	143	31.20	36.1	17.1	0.0	0.00	146.9	-0.0	0.0	0.0	650	23-May
PX06	87	144	28.30	34.5	17.0	0.0	0.00	129.6	0.9	0.0	0.0	650	24-May
PX06	87	145	23.10	33.0	17.5	0.0	0.00	198.7	2.3	0.0	0.0	650	25-May
PX06	87	146	30.10	28.1	13.4	0.0	0.00	164.2	1.3	0.0	0.0	650	26-May
PX06	87	147	29.90	30.6	13.2	0.0	0.00	112.3	1.9	0.0	0.0	650	27-May
PX06	87	148	30.10	33.2	16.4	0.0	0.00	121.0	3.4	0.0	0.0	650	28-May
PX06	87	149	30.40	35.2	16.6	0.0	0.00	121.0	6.5	0.0	0.0	650	29-May
PX06	87	150	30.80	37.6	17.8	0.0	0.00	103.7	5.4	0.0	0.0	650	30-May
PX06	87	151	31.40	38.9	18.8	0.0	0.00	129.6	6.1	0.0	0.0	650	31-May
PX06	87	152	31.40	40.5	22.0	0.5	0.00	172.8	6.7	0.0	0.0	650	01-Jun
PX06	87	153	31.00	41.2	21.2	0.0	0.00	121.0	8.6	0.0	0.0	650	02-Jun
PX06	87	154	28.70	43.3	21.1	0.0	0.00	95.0	8.1	0.0	0.0	650	03-Jun
PX06	87	155	28.50	40.2	26.4	0.0	0.00	224.6	11.5	0.0	0.0	650	04-Jun
PX06	87	156	19.60	39.5	25.1	0.0	0.00	181.4	11.6	0.0	0.0	650	05-Jun
PX06	87	157	30.80	35.8	23.6	1.8	0.00	129.6	16.4	0.0	0.0	650	06-Jun
PX06	87	158	31.20	41.6	23.6	0.0	0.00	164.2	13.6	0.0	0.0	650	07-Jun
PX06	87	159	31.60	42.1	23.2	0.0	0.00	146.8	9.3	0.0	0.0	650	08-Jun
PX06	87	160	32.00	40.3	22.6	0.0	0.00	112.3	10.0	0.0	0.0	650	09-Jun
PX06	87	161	32.00	41.6	21.7	0.0	0.00	112.3	7.3	0.0	0.0	650	10-Jun
PX06	87	162	30.40	41.1	21.5	0.0	0.00	95.0	7.7	0.0	0.0	650	11-Jun
PX06	87	163	30.10	41.7	25.5	0.0	0.00	77.8	11.4	0.0	0.0	650	12-Jun
PX06	87	164	29.90	44.2	24.7	0.0	0.00	25.9	11.8	0.0	0.0	650	13-Jun
PX06	87	165	30.40	46.2	26.5	0.0	0.00	86.4	12.5	0.0	0.0	650	14-Jun
PX06	87	166	32.00	42.4	26.3	0.0	0.00	129.6	10.3	0.0	0.0	650	15-Jun
PX06	87	167	31.20	38.7	21.4	0.0	0.00	43.2	9.2	0.0	0.0	650	16-Jun
PX06	87	168	32.00	40.7	20.7	0.0	0.00	43.2	8.5	0.0	0.0	650	17-Jun
PX06	87	169	32.20	39.1	21.9	0.0	0.00	103.7	4.1	0.0	0.0	650	18-Jun
PX06	87	170	30.10	37.4	18.2	0.0	0.00	17.3	6.4	0.0	0.0	650	19-Jun
PX06	87	171	28.30	39.2	20.0	0.0	0.00	25.9	3.8	0.0	0.0	650	20-Jun
PX06	87	172	32.00	38.2	18.0	0.0	0.00	60.5	8.0	0.0	0.0	650	21-Jun
PX06	87	173	32.00	39.5	21.8	0.0	0.00	51.8	7.0	0.0	0.0	650	22-Jun
PX06	87	174	31.00	37.8	20.6	0.0	0.00	34.6	12.5	0.0	0.0	650	23-Jun
PX06	87	175	30.10	38.3	21.5	0.0	0.00	34.6	14.0	0.0	0.0	650	24-Jun
PX06	87	176	16.50	38.7	27.6	0.0	0.00	8.6	11.5	0.0	0.0	650	25-Jun
PX06	87	177	30.60	41.8	24.9	0.0	0.00	34.6	12.2	0.0	0.0	650	26-Jun
PX06	87	178	31.00	42.1	25.9	0.0	0.00	43.2	9.8	0.0	0.0	650	27-Jun
PX06	87	179	31.40	41.6	25.0	0.0	0.00	77.8	6.8	0.0	0.0	650	28-Jun
PX06	87	180	31.60	41.2	23.8	0.0	0.00	95.0	5.4	0.0	0.0	650	29-Jun
PX06	87	181	31.20	39.1	19.5	0.0	0.00	146.9	6.1	0.0	0.0	650	30-Jun
PX06	87	182	27.90	38.6	22.5	0.0	0.00	103.7	3.6	0.0	0.0	650	01-Jul
PX06	87	183	31.60	38.5	17.1	0.0	0.00	103.7	6.8	0.0	0.0	650	02-Jul
PX06	87	184	31.40	40.5	20.5	0.0	0.00	103.7	6.1	0.0	0.0	650	03-Jul
PX06	87	185	32.40	40.2	21.1	1.3	0.00	155.5	4.5	0.0	0.0	650	04-Jul
PX06	87	186	32.20	41.4	20.6	0.0	0.00	138.2	4.8	0.0	0.0	650	05-Jul
PX06	87	187	31.20	41.2	22.0	0.0	0.00	112.3	4.1	0.0	0.0	650	06-Jul
PX06	87	188	23.90	39.0	21.7	0.0	0.00	112.3	8.0	0.0	0.0	650	07-Jul
PX06	87	189	20.50	40.0	20.4	0.0	0.00	129.6	7.5	0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	87	190	19.70	40.9	20.9	0.0	0.00	241.9	7.8	0.0	0.0	650	09-Jul
PX06	87	191	27.90	39.7	21.5	0.0	0.00	172.8	9.0	0.0	0.0	650	10-Jul
PX06	87	192	31.00	40.5	21.3	0.0	0.00	129.6	8.4	0.0	0.0	650	11-Jul
PX06	87	193	28.90	41.0	22.7	0.0	0.00	103.7	8.9	0.0	0.0	650	12-Jul
PX06	87	194	29.70	43.6	24.4	0.0	0.00	103.7	8.6	0.0	0.0	650	13-Jul
PX06	87	195	27.50	41.9	26.3	0.0	0.00	207.4	12.6	0.0	0.0	650	14-Jul
PX06	87	196	23.70	38.5	27.3	0.0	0.00	181.4	16.2	0.0	0.0	650	15-Jul
PX06	87	197	16.10	35.9	26.0	0.0	0.00	198.7	17.2	0.0	0.0	650	16-Jul
PX06	87	198	30.60	39.1	21.7	0.0	0.00	302.4	10.7	0.0	0.0	650	17-Jul
PX06	87	199	27.50	37.1	22.8	0.0	0.00	207.4	12.5	0.0	0.0	650	18-Jul
PX06	87	200	30.10	40.0	21.6	0.0	0.00	146.9	9.8	0.0	0.0	650	19-Jul
PX06	87	201	26.40	42.9	27.2	0.0	0.00	155.5	15.8	0.0	0.0	650	20-Jul
PX06	87	202	21.10	41.1	22.6	15.2	0.00	233.3	14.4	0.0	0.0	650	21-Jul
PX06	87	203	29.50	39.8	17.7	0.0	0.00	121.0	13.5	0.0	0.0	650	22-Jul
PX06	87	204	30.10	40.7	18.2	0.0	0.00	112.3	8.6	0.0	0.0	650	23-Jul
PX06	87	205	27.70	42.0	23.3	0.0	0.00	138.2	8.8	0.0	0.0	650	24-Jul
PX06	87	206	23.50	43.4	30.7	0.0	0.00	155.5	15.6	0.0	0.0	650	25-Jul
PX06	87	207	26.00	44.7	25.9	0.0	0.00	198.7	18.8	0.0	0.0	650	26-Jul
PX06	87	208	23.10	37.8	25.2	11.9	0.00	190.1	20.1	0.0	0.0	650	27-Jul
PX06	87	209	21.70	35.9	24.5	1.3	0.00	121.0	20.4	0.0	0.0	650	28-Jul
PX06	87	210	23.50	39.2	25.2	0.0	0.00	129.6	19.4	0.0	0.0	650	29-Jul
PX06	87	211	28.50	39.7	26.8	0.0	0.00	198.7	18.8	0.0	0.0	650	30-Jul
PX06	87	212	21.70	40.6	23.2	0.0	0.00	129.6	21.2	0.0	0.0	650	31-Jul
PX06	87	213	27.50	39.1	25.5	18.0	0.00	172.8	21.9	0.0	0.0	650	01-Aug
PX06	87	214	28.40	41.6	28.5	0.0	0.00	224.6	21.0	0.0	0.0	650	02-Aug
PX06	87	215	25.90	41.8	26.3	0.0	0.00	121.0	19.9	0.0	0.0	650	03-Aug
PX06	87	216	27.80	38.9	24.2	0.0	0.00	172.8	21.0	0.0	0.0	650	04-Aug
PX06	87	217	27.20	36.2	24.1	12.7	0.00	121.0	24.1	0.0	0.0	650	05-Aug
PX06	87	218	23.30	37.6	27.2	0.0	0.00	146.9	22.6	0.0	0.0	650	06-Aug
PX06	87	219	25.40	40.5	28.0	0.0	0.00	138.2	18.2	0.0	0.0	650	07-Aug
PX06	87	220	27.50	41.0	26.6	0.0	0.00	112.3	16.9	0.0	0.0	650	08-Aug
PX06	87	221	19.40	39.3	27.5	0.0	0.00	129.6	17.7	0.0	0.0	650	09-Aug
PX06	87	222	24.40	41.3	24.8	0.0	0.00	164.2	18.5	0.0	0.0	650	10-Aug
PX06	87	223	12.50	30.1	23.6	7.9	0.00	95.0	21.7	0.0	0.0	650	11-Aug
PX06	87	224	27.30	36.6	24.2	0.0	0.00	146.9	20.3	0.0	0.0	650	12-Aug
PX06	87	225	28.00	38.1	24.6	0.0	0.00	129.6	16.3	0.0	0.0	650	13-Aug
PX06	87	226	28.30	39.8	24.7	0.0	0.00	285.1	13.2	0.0	0.0	650	14-Aug
PX06	87	227	28.80	38.7	21.8	0.0	0.00	181.4	10.9	0.0	0.0	650	15-Aug
PX06	87	228	28.10	39.7	20.4	0.0	0.00	112.3	8.5	0.0	0.0	650	16-Aug
PX06	87	229	27.80	41.6	20.3	0.0	0.00	95.0	9.4	0.0	0.0	650	17-Aug
PX06	87	230	27.40	40.6	22.3	0.0	0.00	103.7	12.8	0.0	0.0	650	18-Aug
PX06	87	231	25.90	39.2	25.1	0.0	0.00	129.6	15.0	0.0	0.0	650	19-Aug
PX06	87	232	26.00	40.8	29.4	0.0	0.00	155.5	17.7	0.0	0.0	650	20-Aug
PX06	87	233	24.90	40.5	27.3	0.0	0.00	146.9	17.5	0.0	0.0	650	21-Aug
PX06	87	234	24.80	38.7	27.8	0.0	0.00	181.4	19.3	0.0	0.0	650	22-Aug
PX06	87	235	17.80	35.0	24.2	3.6	0.00	121.0	20.3	0.0	0.0	650	23-Aug
PX06	87	236	19.40	38.8	23.8	3.0	0.00	224.6	18.9	0.0	0.0	650	24-Aug
PX06	87	237	21.60	36.3	21.9	21.1	0.00	138.2	18.4	0.0	0.0	650	25-Aug
PX06	87	238	25.60	35.7	21.8	0.0	0.00	172.8	15.7	0.0	0.0	650	26-Aug
PX06	87	239	25.70	37.1	20.7	0.0	0.00	95.0	13.8	0.0	0.0	650	27-Aug
PX06	87	240	24.80	39.8	22.9	0.0	0.00	103.7	13.5	0.0	0.0	650	28-Aug
PX06	87	241	25.00	41.6	24.2	0.0	0.00	146.9	12.2	0.0	0.0	650	29-Aug

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX06	87 242	25.60	41.4	23.0	0.0	0.00	86.4	12.7	0.0	0.0	650	30-Aug
PX06	87 243	25.30	43.2	24.6	0.0	0.00	138.2	10.9	0.0	0.0	650	31-Aug
PX06	87 244	25.40	39.9	28.3	0.0	0.00	198.7	12.2	0.0	0.0	650	01-Sep
PX06	87 245	25.80	38.9	24.0	0.0	0.00	146.9	10.7	0.0	0.0	650	02-Sep
PX06	87 246	10.40	34.3	25.5	0.0	0.00	129.6	14.8	0.0	0.0	650	03-Sep
PX06	87 247	23.60	34.5	24.1	0.0	0.00	146.9	16.9	0.0	0.0	650	04-Sep
PX06	87 248	23.70	35.7	23.6	0.0	0.00	95.0	15.5	0.0	0.0	650	05-Sep
PX06	87 249	23.70	37.1	23.1	0.0	0.00	95.0	13.5	0.0	0.0	650	06-Sep
PX06	87 250	24.30	38.1	21.8	0.0	0.00	103.7	8.1	0.0	0.0	650	07-Sep
PX06	87 251	24.70	38.2	18.7	0.0	0.00	95.0	8.0	0.0	0.0	650	08-Sep
PX06	87 252	23.50	37.0	18.5	0.0	0.00	103.7	7.5	0.0	0.0	650	09-Sep
PX06	87 253	22.90	38.3	19.4	0.0	0.00	95.0	8.2	0.0	0.0	650	10-Sep
PX06	87 254	23.10	38.4	21.2	0.0	0.00	129.6	6.8	0.0	0.0	650	11-Sep
PX06	87 255	23.40	37.3	20.1	0.0	0.00	181.4	7.8	0.0	0.0	650	12-Sep
PX06	87 256	22.60	34.5	21.7	0.0	0.00	293.8	9.9	0.0	0.0	650	13-Sep
PX06	87 257	22.00	33.0	17.3	0.0	0.00	103.7	7.4	0.0	0.0	650	14-Sep
PX06	87 258	22.30	33.8	18.1	0.0	0.00	112.3	10.5	0.0	0.0	650	15-Sep
PX06	87 259	18.50	34.5	19.2	0.0	0.00	103.7	10.9	0.0	0.0	650	16-Sep
PX06	87 260	15.10	33.7	19.6	0.0	0.00	164.2	9.8	0.0	0.0	650	17-Sep
PX06	87 261	21.50	34.2	19.5	0.0	0.00	112.3	12.0	0.0	0.0	650	18-Sep
PX06	87 262	21.50	36.2	20.7	0.0	0.00	112.3	10.3	0.0	0.0	650	19-Sep
PX06	87 263	21.60	36.7	19.1	0.0	0.00	129.6	11.0	0.0	0.0	650	20-Sep
PX06	87 264	17.40	35.6	22.0	0.0	0.00	164.2	14.2	0.0	0.0	650	21-Sep
PX06	87 265	15.00	36.2	20.3	0.0	0.00	164.2	15.5	0.0	0.0	650	22-Sep
PX06	87 266	15.10	31.6	18.8	9.7	0.00	103.7	17.6	0.0	0.0	650	23-Sep
PX06	87 267	18.20	32.5	19.6	6.9	0.00	86.4	17.3	0.0	0.0	650	24-Sep
PX06	87 268	21.20	34.6	20.1	0.5	0.00	86.4	15.3	0.0	0.0	650	25-Sep
PX06	87 269	20.00	35.8	19.8	0.0	0.00	103.7	14.4	0.0	0.0	650	26-Sep
PX06	87 270	20.40	36.9	20.2	0.0	0.00	77.8	13.3	0.0	0.0	650	27-Sep
PX06	87 271	19.40	37.1	20.1	0.0	0.00	103.7	12.4	0.0	0.0	650	28-Sep
PX06	87 272	20.50	37.6	21.1	0.0	0.00	190.1	10.1	0.0	0.0	650	29-Sep
PX06	87 273	20.80	36.4	19.6	0.0	0.00	129.6	9.8	0.0	0.0	650	30-Sep
PX06	87 274	20.60	36.1	24.4	0.0	0.00	129.6	8.2	0.0	0.0	650	01-Oct
PX06	87 275	20.40	37.2	20.0	0.0	0.00	181.4	9.4	0.0	0.0	650	02-Oct
PX06	87 276	20.20	37.3	19.2	0.0	0.00	112.3	2.7	0.0	0.0	650	03-Oct
PX06	87 277	19.90	37.5	18.5	0.0	0.00	60.5	4.8	0.0	0.0	650	04-Oct
PX06	87 278	19.60	38.9	20.1	0.0	0.00	69.1	3.9	0.0	0.0	650	05-Oct
PX06	87 279	23.50	39.5	17.9	0.0	0.00	77.1	2.5	0.0	0.0	650	06-Oct
PX06	87 280	17.50	39.1	17.3	0.0	0.00	95.0	2.9	0.0	0.0	650	07-Oct
PX06	87 281	19.10	39.3	17.5	0.0	0.00	129.6	5.3	0.0	0.0	650	08-Oct
PX06	87 282	18.30	37.9	19.4	0.0	0.00	138.2	8.8	0.0	0.0	650	09-Oct
PX06	87 283	19.00	37.2	19.2	0.0	0.00	121.0	9.7	0.0	0.0	650	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓		CO2YR	WINDYR			
PX12	33.40	112.00	2.30	0 1 1 0 1		650	0.0			

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX12	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX12	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX12	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX12	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX12	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX12	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX12	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX12	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX12	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX12	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX12	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX12	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX12	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX12	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX12	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX12	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX12	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX12	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX12	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX12	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX12	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX12	87 114	28.10	36.4	16.2	0.0	0.00	121.0	4.1	0.0	0.0	650	24-Apr
PX12	87 115	28.10	36.4	20.4	0.0	0.00	172.8	7.7	0.0	0.0	650	25-Apr
PX12	87 116	28.10	37.8	20.6	0.0	0.00	155.5	6.7	0.0	0.0	650	26-Apr
PX12	87 117	22.30	36.0	21.5	0.0	0.00	224.6	7.0	0.0	0.0	650	27-Apr
PX12	87 118	28.00	36.6	19.8	0.0	0.00	224.6	9.2	0.0	0.0	650	28-Apr
PX12	87 119	22.40	37.2	21.6	0.0	0.00	164.2	9.5	0.0	0.0	650	29-Apr
PX12	87 120	24.00	34.2	20.6	0.3	0.00	164.2	9.9	0.0	0.0	650	30-Apr
PX12	87 121	29.10	31.8	13.5	0.0	0.00	155.5	7.4	0.0	0.0	650	01-May
PX12	87 122	25.80	30.4	16.9	0.0	0.00	129.6	8.6	0.0	0.0	650	02-May
PX12	87 123	29.50	34.0	14.0	0.0	0.00	95.0	4.3	0.0	0.0	650	03-May
PX12	87 124	29.70	36.4	14.8	0.0	0.00	77.8	4.6	0.0	0.0	650	04-May
PX12	87 125	29.10	38.3	16.0	0.0	0.00	66.5	8.4	0.0	0.0	650	05-May
PX12	87 126	29.30	38.0	20.7	0.0	0.00	155.5	8.6	0.0	0.0	650	06-May
PX12	87 127	28.10	37.5	24.0	0.0	0.00	172.8	8.1	0.0	0.0	650	07-May
PX12	87 128	29.30	35.9	21.8	0.0	0.00	164.2	8.4	0.0	0.0	650	08-May
PX12	87 129	29.50	37.3	19.5	0.0	0.00	86.4	9.9	0.0	0.0	650	09-May
PX12	87 130	27.30	36.7	23.0	0.0	0.00	103.7	11.2	0.0	0.0	650	10-May
PX12	87 131	29.10	37.0	19.7	1.5	0.00	95.0	12.0	0.0	0.0	650	11-May
PX12	87 132	28.50	39.2	21.5	0.0	0.00	129.6	9.4	0.0	0.0	650	12-May
PX12	87 133	28.90	39.5	21.6	0.0	0.00	138.2	7.8	0.0	0.0	650	13-May
PX12	87 134	25.60	39.3	24.7	0.0	0.00	164.2	8.2	0.0	0.0	650	14-May
PX12	87 135	24.00	37.4	21.5	0.3	0.00	181.4	3.9	0.0	0.0	650	15-May
PX12	87 136	28.10	36.8	20.4	0.0	0.00	86.4	11.2	0.0	0.0	650	16-May
PX12	87 137	29.10	38.3	20.1	0.0	0.00	121.0	10.6	0.0	0.0	650	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	87	138	29.30	38.3	22.1	0.0	0.00	190.1	11.2	0.0	0.0	650	18-May
PX12	87	139	24.40	35.3	21.6	0.0	0.00	172.8	11.1	0.0	0.0	650	19-May
PX12	87	140	26.40	34.6	20.4	0.0	0.00	233.3	11.3	0.0	0.0	650	20-May
PX12	87	141	29.50	32.2	17.0	0.0	0.00	138.2	8.9	0.0	0.0	650	21-May
PX12	87	142	29.30	35.6	16.4	0.0	0.00	121.0	11.1	0.0	0.0	650	22-May
PX12	87	143	31.20	35.6	17.2	0.0	0.00	146.9	1.3	0.0	0.0	650	23-May
PX12	87	144	28.30	34.2	17.1	0.0	0.00	129.6	3.2	0.0	0.0	650	24-May
PX12	87	145	23.10	32.8	17.4	0.0	0.00	198.7	5.3	0.0	0.0	650	25-May
PX12	87	146	30.10	28.0	13.4	0.0	0.00	164.2	3.9	0.0	0.0	650	26-May
PX12	87	147	29.90	29.9	13.3	0.0	0.00	112.3	5.0	0.0	0.0	650	27-May
PX12	87	148	30.10	32.6	16.3	0.0	0.00	121.0	5.8	0.0	0.0	650	28-May
PX12	87	149	30.40	35.1	16.9	0.0	0.00	121.0	6.7	0.0	0.0	650	29-May
PX12	87	150	30.80	37.4	17.7	0.0	0.00	103.7	7.1	0.0	0.0	650	30-May
PX12	87	151	31.40	38.7	19.0	0.0	0.00	129.6	7.5	0.0	0.0	650	31-May
PX12	87	152	31.40	40.0	22.1	0.5	0.00	172.8	9.4	0.0	0.0	650	01-Jun
PX12	87	153	31.00	41.3	21.3	0.0	0.00	121.0	8.6	0.0	0.0	650	02-Jun
PX12	87	154	28.70	42.9	21.3	0.0	0.00	95.0	9.2	0.0	0.0	650	03-Jun
PX12	87	155	28.50	42.1	26.2	0.0	0.00	224.6	10.4	0.0	0.0	650	04-Jun
PX12	87	156	19.60	39.1	24.9	0.0	0.00	181.4	10.6	0.0	0.0	650	05-Jun
PX12	87	157	30.80	35.1	24.0	1.8	0.00	129.6	17.0	0.0	0.0	650	06-Jun
PX12	87	158	31.20	40.4	23.6	0.0	0.00	164.2	10.3	0.0	0.0	650	07-Jun
PX12	87	159	31.60	40.8	23.3	0.0	0.00	146.8	9.5	0.0	0.0	650	08-Jun
PX12	87	160	32.00	39.8	22.3	0.0	0.00	112.3	8.9	0.0	0.0	650	09-Jun
PX12	87	161	32.00	41.9	21.8	0.0	0.00	112.3	7.7	0.0	0.0	650	10-Jun
PX12	87	162	30.40	40.5	20.8	0.0	0.00	95.0	8.2	0.0	0.0	650	11-Jun
PX12	87	163	30.10	41.0	25.4	0.0	0.00	77.8	10.0	0.0	0.0	650	12-Jun
PX12	87	164	29.90	43.0	24.7	0.0	0.00	25.9	10.7	0.0	0.0	650	13-Jun
PX12	87	165	30.40	45.4	26.3	0.0	0.00	86.4	12.6	0.0	0.0	650	14-Jun
PX12	87	166	32.00	41.6	26.5	0.0	0.00	129.6	10.7	0.0	0.0	650	15-Jun
PX12	87	167	31.20	38.7	21.3	0.0	0.00	43.2	9.3	0.0	0.0	650	16-Jun
PX12	87	168	32.00	40.0	20.8	0.0	0.00	43.2	11.8	0.0	0.0	650	17-Jun
PX12	87	169	32.20	38.6	21.4	0.0	0.00	103.7	5.4	0.0	0.0	650	18-Jun
PX12	87	170	30.10	37.9	19.8	0.0	0.00	17.3	8.2	0.0	0.0	650	19-Jun
PX12	87	171	28.30	38.0	19.8	0.0	0.00	25.9	3.4	0.0	0.0	650	20-Jun
PX12	87	172	32.00	38.6	19.6	0.0	0.00	60.5	6.8	0.0	0.0	650	21-Jun
PX12	87	173	32.00	38.5	21.8	0.0	0.00	51.8	8.9	0.0	0.0	650	22-Jun
PX12	87	174	31.00	38.4	21.4	0.0	0.00	34.6	11.2	0.0	0.0	650	23-Jun
PX12	87	175	30.10	39.6	23.0	0.0	0.00	34.6	12.9	0.0	0.0	650	24-Jun
PX12	87	176	16.50	38.5	27.6	0.0	0.00	8.6	14.9	0.0	0.0	650	25-Jun
PX12	87	177	30.60	41.4	24.5	0.0	0.00	34.6	15.8	0.0	0.0	650	26-Jun
PX12	87	178	31.00	41.6	25.6	0.0	0.00	43.2	8.5	0.0	0.0	650	27-Jun
PX12	87	179	31.40	40.8	24.7	0.0	0.00	77.8	3.8	0.0	0.0	650	28-Jun
PX12	87	180	31.60	40.5	23.6	0.0	0.00	95.0	4.5	0.0	0.0	650	29-Jun
PX12	87	181	31.20	39.4	20.7	0.0	0.00	146.9	2.5	0.0	0.0	650	30-Jun
PX12	87	182	27.90	38.0	22.5	0.0	0.00	103.7	6.5	0.0	0.0	650	01-Jul
PX12	87	183	31.60	39.1	18.7	0.0	0.00	103.7	6.4	0.0	0.0	650	02-Jul
PX12	87	184	31.40	39.2	20.4	0.0	0.00	103.7	5.6	0.0	0.0	650	03-Jul
PX12	87	185	32.40	38.9	20.4	1.3	0.00	155.5	3.0	0.0	0.0	650	04-Jul
PX12	87	186	32.20	39.7	20.5	0.0	0.00	138.2	3.4	0.0	0.0	650	05-Jul
PX12	87	187	31.20	39.8	21.8	0.0	0.00	112.3	2.9	0.0	0.0	650	06-Jul
PX12	87	188	23.90	38.8	21.5	0.0	0.00	112.3	6.1	0.0	0.0	650	07-Jul
PX12	87	189	20.50	39.4	20.6	0.0	0.00	129.6	5.4	0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	87	190	19.70	40.0	21.3	0.0	0.00	241.9	4.8	0.0	0.0	650	09-Jul
PX12	87	191	27.90	38.8	21.9	0.0	0.00	172.8	6.8	0.0	0.0	650	10-Jul
PX12	87	192	31.00	39.5	21.2	0.0	0.00	129.6	6.8	0.0	0.0	650	11-Jul
PX12	87	193	28.90	39.9	22.1	0.0	0.00	103.7	8.0	0.0	0.0	650	12-Jul
PX12	87	194	29.70	42.4	23.6	0.0	0.00	103.7	12.5	0.0	0.0	650	13-Jul
PX12	87	195	27.50	42.1	25.9	0.0	0.00	207.4	11.0	0.0	0.0	650	14-Jul
PX12	87	196	23.70	37.9	27.6	0.0	0.00	181.4	14.5	0.0	0.0	650	15-Jul
PX12	87	197	16.10	34.5	26.1	0.0	0.00	198.7	16.7	0.0	0.0	650	16-Jul
PX12	87	198	30.60	37.7	21.5	0.0	0.00	302.4	9.4	0.0	0.0	650	17-Jul
PX12	87	199	27.50	36.0	22.8	0.0	0.00	207.4	11.8	0.0	0.0	650	18-Jul
PX12	87	200	30.10	39.0	21.2	0.0	0.00	146.9	9.2	0.0	0.0	650	19-Jul
PX12	87	201	26.40	41.7	27.0	0.0	0.00	155.5	15.1	0.0	0.0	650	20-Jul
PX12	87	202	21.10	41.0	23.2	15.2	0.00	233.3	13.0	0.0	0.0	650	21-Jul
PX12	87	203	29.50	38.1	18.3	0.0	0.00	121.0	7.7	0.0	0.0	650	22-Jul
PX12	87	204	30.10	40.3	20.3	0.0	0.00	112.3	6.1	0.0	0.0	650	23-Jul
PX12	87	205	27.70	41.9	23.3	0.0	0.00	138.2	7.3	0.0	0.0	650	24-Jul
PX12	87	206	23.50	42.9	30.7	0.0	0.00	155.5	15.4	0.0	0.0	650	25-Jul
PX12	87	207	26.00	43.1	25.9	0.0	0.00	198.7	19.9	0.0	0.0	650	26-Jul
PX12	87	208	23.10	37.0	25.3	11.9	0.00	190.1	20.2	0.0	0.0	650	27-Jul
PX12	87	209	21.70	34.5	24.7	1.3	0.00	121.0	20.5	0.0	0.0	650	28-Jul
PX12	87	210	23.50	37.8	25.3	0.0	0.00	129.6	19.3	0.0	0.0	650	29-Jul
PX12	87	211	28.50	39.6	26.8	0.0	0.00	198.7	18.3	0.0	0.0	650	30-Jul
PX12	87	212	21.70	39.7	23.4	0.0	0.00	129.6	21.0	0.0	0.0	650	31-Jul
PX12	87	213	27.50	36.8	25.8	18.0	0.00	172.8	21.4	0.0	0.0	650	01-Aug
PX12	87	214	28.40	39.2	28.4	0.0	0.00	224.6	20.7	0.0	0.0	650	02-Aug
PX12	87	215	25.90	39.7	26.4	0.0	0.00	121.0	20.3	0.0	0.0	650	03-Aug
PX12	87	216	27.80	39.3	24.4	0.0	0.00	172.8	21.8	0.0	0.0	650	04-Aug
PX12	87	217	27.20	36.5	24.3	12.7	0.00	121.0	22.0	0.0	0.0	650	05-Aug
PX12	87	218	23.30	37.8	27.3	0.0	0.00	146.9	21.8	0.0	0.0	650	06-Aug
PX12	87	219	25.40	40.3	27.7	0.0	0.00	138.2	17.2	0.0	0.0	650	07-Aug
PX12	87	220	27.50	40.5	26.6	0.0	0.00	112.3	16.3	0.0	0.0	650	08-Aug
PX12	87	221	19.40	38.6	27.5	0.0	0.00	129.6	17.4	0.0	0.0	650	09-Aug
PX12	87	222	24.40	40.4	25.2	0.0	0.00	164.2	18.4	0.0	0.0	650	10-Aug
PX12	87	223	12.50	30.1	23.2	7.9	0.00	95.0	21.5	0.0	0.0	650	11-Aug
PX12	87	224	27.30	36.6	24.3	0.0	0.00	146.9	20.0	0.0	0.0	650	12-Aug
PX12	87	225	28.00	38.0	24.6	0.0	0.00	129.6	17.0	0.0	0.0	650	13-Aug
PX12	87	226	28.30	38.7	24.8	0.0	0.00	285.1	13.7	0.0	0.0	650	14-Aug
PX12	87	227	28.80	37.6	22.1	0.0	0.00	181.4	11.2	0.0	0.0	650	15-Aug
PX12	87	228	28.10	38.6	20.4	0.0	0.00	112.3	8.9	0.0	0.0	650	16-Aug
PX12	87	229	27.80	41.2	19.9	0.0	0.00	95.0	11.8	0.0	0.0	650	17-Aug
PX12	87	230	27.40	40.4	21.8	0.0	0.00	103.7	14.4	0.0	0.0	650	18-Aug
PX12	87	231	25.90	38.7	25.5	0.0	0.00	129.6	16.8	0.0	0.0	650	19-Aug
PX12	87	232	26.00	40.4	29.5	0.0	0.00	155.5	19.0	0.0	0.0	650	20-Aug
PX12	87	233	24.90	40.4	27.4	0.0	0.00	146.9	17.3	0.0	0.0	650	21-Aug
PX12	87	234	24.80	38.2	28.1	0.0	0.00	181.4	18.5	0.0	0.0	650	22-Aug
PX12	87	235	17.80	35.0	24.5	3.6	0.00	121.0	19.9	0.0	0.0	650	23-Aug
PX12	87	236	19.40	37.9	24.0	3.0	0.00	224.6	18.2	0.0	0.0	650	24-Aug
PX12	87	237	21.60	35.4	21.9	21.1	0.00	138.2	17.7	0.0	0.0	650	25-Aug
PX12	87	238	25.60	34.3	21.6	0.0	0.00	172.8	15.4	0.0	0.0	650	26-Aug
PX12	87	239	25.70	35.7	20.3	0.0	0.00	95.0	13.8	0.0	0.0	650	27-Aug
PX12	87	240	24.80	38.5	22.4	0.0	0.00	103.7	14.8	0.0	0.0	650	28-Aug
PX12	87	241	25.00	39.9	24.0	0.0	0.00	146.9	12.3	0.0	0.0	650	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX12	87	242	25.60	39.2	22.7	0.0	0.00	86.4	12.6	0.0	0.0	650	30-Aug
PX12	87	243	25.30	41.9	24.4	0.0	0.00	138.2	11.6	0.0	0.0	650	31-Aug
PX12	87	244	25.40	39.4	28.2	0.0	0.00	198.7	11.2	0.0	0.0	650	01-Sep
PX12	87	245	25.80	38.4	24.0	0.0	0.00	146.9	10.9	0.0	0.0	650	02-Sep
PX12	87	246	10.40	33.3	24.9	0.0	0.00	129.6	15.0	0.0	0.0	650	03-Sep
PX12	87	247	23.60	33.1	24.0	0.0	0.00	146.9	16.7	0.0	0.0	650	04-Sep
PX12	87	248	23.70	34.3	23.4	0.0	0.00	95.0	15.6	0.0	0.0	650	05-Sep
PX12	87	249	23.70	35.7	23.0	0.0	0.00	95.0	13.7	0.0	0.0	650	06-Sep
PX12	87	250	24.30	36.4	20.9	0.0	0.00	103.7	9.0	0.0	0.0	650	07-Sep
PX12	87	251	24.70	36.3	18.0	0.0	0.00	95.0	8.0	0.0	0.0	650	08-Sep
PX12	87	252	23.50	36.0	18.7	0.0	0.00	103.7	7.1	0.0	0.0	650	09-Sep
PX12	87	253	22.90	37.0	19.5	0.0	0.00	95.0	8.2	0.0	0.0	650	10-Sep
PX12	87	254	23.10	37.3	21.1	0.0	0.00	129.6	7.3	0.0	0.0	650	11-Sep
PX12	87	255	23.40	36.4	20.0	0.0	0.00	181.4	8.5	0.0	0.0	650	12-Sep
PX12	87	256	22.60	33.2	21.1	0.0	0.00	293.8	10.5	0.0	0.0	650	13-Sep
PX12	87	257	22.00	31.9	17.2	0.0	0.00	103.7	8.8	0.0	0.0	650	14-Sep
PX12	87	258	22.30	33.6	17.9	0.0	0.00	112.3	11.6	0.0	0.0	650	15-Sep
PX12	87	259	18.50	33.9	19.3	0.0	0.00	103.7	12.4	0.0	0.0	650	16-Sep
PX12	87	260	15.10	33.3	19.2	0.0	0.00	164.2	12.3	0.0	0.0	650	17-Sep
PX12	87	261	21.50	33.4	18.8	0.0	0.00	112.3	9.5	0.0	0.0	650	18-Sep
PX12	87	262	21.50	35.5	20.5	0.0	0.00	112.3	11.1	0.0	0.0	650	19-Sep
PX12	87	263	21.60	36.7	19.9	0.0	0.00	129.6	10.9	0.0	0.0	650	20-Sep
PX12	87	264	17.40	35.2	21.4	0.0	0.00	164.2	13.1	0.0	0.0	650	21-Sep
PX12	87	265	15.00	36.3	20.3	0.0	0.00	164.2	14.6	0.0	0.0	650	22-Sep
PX12	87	266	15.10	31.5	18.8	9.7	0.00	103.7	17.9	0.0	0.0	650	23-Sep
PX12	87	267	18.20	32.4	19.7	6.9	0.00	86.4	18.0	0.0	0.0	650	24-Sep
PX12	87	268	21.20	34.5	20.2	0.5	0.00	86.4	15.9	0.0	0.0	650	25-Sep
PX12	87	269	20.00	35.6	19.8	0.0	0.00	103.7	15.0	0.0	0.0	650	26-Sep
PX12	87	270	20.40	36.7	20.1	0.0	0.00	77.8	13.8	0.0	0.0	650	27-Sep
PX12	87	271	19.40	36.8	19.7	0.0	0.00	103.7	12.1	0.0	0.0	650	28-Sep
PX12	87	272	20.50	38.5	20.8	0.0	0.00	190.1	10.9	0.0	0.0	650	29-Sep
PX12	87	273	20.80	36.3	19.5	0.0	0.00	129.6	11.3	0.0	0.0	650	30-Sep
PX12	87	274	20.60	36.5	23.7	0.0	0.00	129.6	8.6	0.0	0.0	650	01-Oct
PX12	87	275	20.40	37.3	19.7	0.0	0.00	181.4	12.0	0.0	0.0	650	02-Oct
PX12	87	276	20.20	37.3	18.7	0.0	0.00	112.3	4.6	0.0	0.0	650	03-Oct
PX12	87	277	19.90	37.7	17.8	0.0	0.00	60.5	6.4	0.0	0.0	650	04-Oct
PX12	87	278	19.60	38.8	19.7	0.0	0.00	69.1	6.7	0.0	0.0	650	05-Oct
PX12	87	279	23.50	39.4	17.8	0.0	0.00	77.1	4.6	0.0	0.0	650	06-Oct
PX12	87	280	17.50	37.8	15.9	0.0	0.00	95.0	4.8	0.0	0.0	650	07-Oct
PX12	87	281	19.10	38.7	17.6	0.0	0.00	129.6	4.3	0.0	0.0	650	08-Oct
PX12	87	282	18.30	36.7	19.2	0.0	0.00	138.2	10.9	0.0	0.0	650	09-Oct
PX12	87	283	19.00	36.3	19.2	0.0	0.00	121.0	11.9	0.0	0.0	650	10-Oct

FILENAME: PX040407.W87   WEATHER DATA FOR CO2=650, IRR=WET, NIT=-, REP=#1

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓				CO2YR	WINDYR
PX04	33.40	112.00	2.30	0 1 1 0 1				650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX04	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX04	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX04	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX04	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX04	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX04	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX04	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX04	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX04	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX04	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX04	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX04	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX04	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX04	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX04	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX04	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX04	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX04	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX04	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX04	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX04	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX04	87 114	28.10	36.0	15.5	0.0	0.00	121.0	4.8	0.0	0.0	650	24-Apr
PX04	87 115	28.10	36.6	20.2	0.0	0.00	172.8	8.8	0.0	0.0	650	25-Apr
PX04	87 116	28.10	38.3	20.3	0.0	0.00	155.5	9.3	0.0	0.0	650	26-Apr
PX04	87 117	22.30	36.7	21.1	0.0	0.00	224.6	10.6	0.0	0.0	650	27-Apr
PX04	87 118	28.00	36.3	19.3	0.0	0.00	224.6	10.5	0.0	0.0	650	28-Apr
PX04	87 119	22.40	36.5	21.2	0.0	0.00	164.2	8.8	0.0	0.0	650	29-Apr
PX04	87 120	24.00	34.7	20.7	0.3	0.00	164.2	8.8	0.0	0.0	650	30-Apr
PX04	87 121	29.10	32.0	13.4	0.0	0.00	155.5	6.5	0.0	0.0	650	01-May
PX04	87 122	25.80	30.9	16.7	0.0	0.00	129.6	6.8	0.0	0.0	650	02-May
PX04	87 123	29.50	34.0	13.6	0.0	0.00	95.0	1.7	0.0	0.0	650	03-May
PX04	87 124	29.70	36.5	13.6	0.0	0.00	77.8	1.9	0.0	0.0	650	04-May
PX04	87 125	29.10	38.2	15.6	0.0	0.00	66.5	2.1	0.0	0.0	650	05-May
PX04	87 126	29.30	38.5	20.1	0.0	0.00	155.5	6.7	0.0	0.0	650	06-May
PX04	87 127	28.10	37.8	23.8	0.0	0.00	172.8	8.5	0.0	0.0	650	07-May
PX04	87 128	29.30	37.0	21.7	0.0	0.00	164.2	8.2	0.0	0.0	650	08-May
PX04	87 129	29.50	38.5	19.4	0.0	0.00	86.4	8.0	0.0	0.0	650	09-May
PX04	87 130	27.30	37.7	22.7	0.0	0.00	103.7	11.0	0.0	0.0	650	10-May
PX04	87 131	29.10	37.7	19.5	1.5	0.00	95.0	12.1	0.0	0.0	650	11-May
PX04	87 132	28.50	39.7	20.7	0.0	0.00	129.6	7.7	0.0	0.0	650	12-May
PX04	87 133	28.90	40.2	21.2	0.0	0.00	138.2	9.0	0.0	0.0	650	13-May
PX04	87 134	25.60	40.1	24.8	0.0	0.00	164.2	11.9	0.0	0.0	650	14-May
PX04	87 135	24.00	38.0	21.5	0.3	0.00	181.4	13.6	0.0	0.0	650	15-May
PX04	87 136	28.10	37.0	19.8	0.0	0.00	86.4	11.0	0.0	0.0	650	16-May
PX04	87 137	29.10	38.5	19.9	0.0	0.00	121.0	8.8	0.0	0.0	650	17-May

INSTW	IYR JUL	SOLRAD XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT STMAX	STMIN	CO2	A00
PX04	87 138	29.30 38.4	21.9	0.0	0.00	190.1	7.3 0.0	0.0	650	18-May
PX04	87 139	24.40 35.9	21.5	0.0	0.00	172.8	6.1 0.0	0.0	650	19-May
PX04	87 140	26.40 34.8	20.5	0.0	0.00	233.3	8.5 0.0	0.0	650	20-May
PX04	87 141	29.50 32.5	16.5	0.0	0.00	138.2	8.9 0.0	0.0	650	21-May
PX04	87 142	29.30 36.1	16.0	0.0	0.00	121.0	5.0 0.0	0.0	650	22-May
PX04	87 143	31.20 35.9	16.2	0.0	0.00	146.9	1.3 0.0	0.0	650	23-May
PX04	87 144	28.30 34.6	16.8	0.0	0.00	129.6	2.1 0.0	0.0	650	24-May
PX04	87 145	23.10 32.9	17.2	0.0	0.00	198.7	3.2 0.0	0.0	650	25-May
PX04	87 146	30.10 28.5	13.4	0.0	0.00	164.2	2.1 0.0	0.0	650	26-May
PX04	87 147	29.90 30.6	12.5	0.0	0.00	112.3	2.9 0.0	0.0	650	27-May
PX04	87 148	30.10 33.1	16.0	0.0	0.00	121.0	2.3 0.0	0.0	650	28-May
PX04	87 149	30.40 35.1	16.1	0.0	0.00	121.0	4.6 0.0	0.0	650	29-May
PX04	87 150	30.80 37.7	17.4	0.0	0.00	103.7	2.9 0.0	0.0	650	30-May
PX04	87 151	31.40 39.0	18.3	0.0	0.00	129.6	3.6 0.0	0.0	650	31-May
PX04	87 152	31.40 40.3	21.5	0.5	0.00	172.8	4.1 0.0	0.0	650	01-Jun
PX04	87 153	31.00 41.0	20.9	0.0	0.00	121.0	6.2 0.0	0.0	650	02-Jun
PX04	87 154	28.70 42.7	20.7	0.0	0.00	95.0	5.3 0.0	0.0	650	03-Jun
PX04	87 155	28.50 40.3	26.3	0.0	0.00	224.6	9.4 0.0	0.0	650	04-Jun
PX04	87 156	19.60 39.9	24.4	0.0	0.00	181.4	9.4 0.0	0.0	650	05-Jun
PX04	87 157	30.80 35.8	23.6	1.8	0.00	129.6	15.5 0.0	0.0	650	06-Jun
PX04	87 158	31.20 40.9	23.3	0.0	0.00	164.2	11.9 0.0	0.0	650	07-Jun
PX04	87 159	31.60 41.3	22.5	0.0	0.00	146.8	5.9 0.0	0.0	650	08-Jun
PX04	87 160	32.00 40.0	22.0	0.0	0.00	112.3	6.5 0.0	0.0	650	09-Jun
PX04	87 161	32.00 41.1	20.3	0.0	0.00	112.3	4.6 0.0	0.0	650	10-Jun
PX04	87 162	30.40 40.3	20.6	0.0	0.00	95.0	6.2 0.0	0.0	650	11-Jun
PX04	87 163	30.10 40.7	25.0	0.0	0.00	77.8	10.0 0.0	0.0	650	12-Jun
PX04	87 164	29.90 42.9	24.2	0.0	0.00	25.9	9.0 0.0	0.0	650	13-Jun
PX04	87 165	30.40 45.0	26.0	0.0	0.00	86.4	8.9 0.0	0.0	650	14-Jun
PX04	87 166	32.00 41.5	25.7	0.0	0.00	129.6	5.4 0.0	0.0	650	15-Jun
PX04	87 167	31.20 39.1	20.7	0.0	0.00	43.2	3.6 0.0	0.0	650	16-Jun
PX04	87 168	32.00 38.9	18.8	0.0	0.00	43.2	6.2 0.0	0.0	650	17-Jun
PX04	87 169	32.20 38.2	19.6	0.0	0.00	103.7	5.4 0.0	0.0	650	18-Jun
PX04	87 170	30.10 38.0	18.1	0.0	0.00	17.3	4.6 0.0	0.0	650	19-Jun
PX04	87 171	28.30 38.6	18.6	0.0	0.00	25.9	4.8 0.0	0.0	650	20-Jun
PX04	87 172	32.00 39.1	18.6	0.0	0.00	60.5	6.2 0.0	0.0	650	21-Jun
PX04	87 173	32.00 38.6	20.5	0.0	0.00	51.8	7.8 0.0	0.0	650	22-Jun
PX04	87 174	31.00 39.0	20.6	0.0	0.00	34.6	11.4 0.0	0.0	650	23-Jun
PX04	87 175	30.10 38.5	21.7	0.0	0.00	34.6	13.2 0.0	0.0	650	24-Jun
PX04	87 176	16.50 38.7	26.4	0.0	0.00	8.6	13.5 0.0	0.0	650	25-Jun
PX04	87 177	30.60 41.1	24.1	0.0	0.00	34.6	12.4 0.0	0.0	650	26-Jun
PX04	87 178	31.00 41.1	24.9	0.0	0.00	43.2	10.3 0.0	0.0	650	27-Jun
PX04	87 179	31.40 40.5	23.6	0.0	0.00	77.8	7.5 0.0	0.0	650	28-Jun
PX04	87 180	31.60 39.9	22.6	0.0	0.00	95.0	6.2 0.0	0.0	650	29-Jun
PX04	87 181	31.20 40.0	19.0	0.0	0.00	146.9	4.1 0.0	0.0	650	30-Jun
PX04	87 182	27.90 38.6	21.1	0.0	0.00	103.7	3.4 0.0	0.0	650	01-Jul
PX04	87 183	31.60 39.7	17.4	0.0	0.00	103.7	6.4 0.0	0.0	650	02-Jul
PX04	87 184	31.40 39.4	19.1	0.0	0.00	103.7	6.4 0.0	0.0	650	03-Jul
PX04	87 185	32.40 39.4	19.7	1.3	0.00	155.5	4.8 0.0	0.0	650	04-Jul
PX04	87 186	32.20 40.3	18.5	0.0	0.00	138.2	5.3 0.0	0.0	650	05-Jul
PX04	87 187	31.20 40.0	20.2	0.0	0.00	112.3	4.8 0.0	0.0	650	06-Jul
PX04	87 188	23.90 40.4	20.7	0.0	0.00	112.3	7.4 0.0	0.0	650	07-Jul
PX04	87 189	20.50 40.7	20.9	0.0	0.00	129.6	7.1 0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	87	190	19.70	39.4	20.5	0.0	0.00	241.9	6.7	0.0	0.0	650	09-Jul
PX04	87	191	27.90	39.8	19.5	0.0	0.00	172.8	8.5	0.0	0.0	650	10-Jul
PX04	87	192	31.00	40.2	22.0	0.0	0.00	129.6	8.1	0.0	0.0	650	11-Jul
PX04	87	193	28.90	42.4	23.4	0.0	0.00	103.7	9.0	0.0	0.0	650	12-Jul
PX04	87	194	29.70	42.4	23.4	0.0	0.00	103.7	8.5	0.0	0.0	650	13-Jul
PX04	87	195	27.50	42.8	25.1	0.0	0.00	207.4	11.6	0.0	0.0	650	14-Jul
PX04	87	196	23.70	38.5	27.0	0.0	0.00	181.4	15.0	0.0	0.0	650	15-Jul
PX04	87	197	16.10	34.8	26.0	0.0	0.00	198.7	17.0	0.0	0.0	650	16-Jul
PX04	87	198	30.60	38.6	21.0	0.0	0.00	302.4	9.8	0.0	0.0	650	17-Jul
PX04	87	199	27.50	36.8	22.7	0.0	0.00	207.4	12.1	0.0	0.0	650	18-Jul
PX04	87	200	30.10	39.2	21.0	0.0	0.00	146.9	9.7	0.0	0.0	650	19-Jul
PX04	87	201	26.40	41.6	27.0	0.0	0.00	155.5	15.6	0.0	0.0	650	20-Jul
PX04	87	202	21.10	42.1	22.4	15.2	0.00	233.3	13.4	0.0	0.0	650	21-Jul
PX04	87	203	29.50	38.9	17.9	0.0	0.00	121.0	8.4	0.0	0.0	650	22-Jul
PX04	87	204	30.10	40.6	19.1	0.0	0.00	112.3	6.7	0.0	0.0	650	23-Jul
PX04	87	205	27.70	42.4	21.5	0.0	0.00	138.2	8.5	0.0	0.0	650	24-Jul
PX04	87	206	23.50	42.9	30.3	0.0	0.00	155.5	15.0	0.0	0.0	650	25-Jul
PX04	87	207	26.00	43.3	25.9	0.0	0.00	198.7	18.4	0.0	0.0	650	26-Jul
PX04	87	208	23.10	37.6	25.6	11.9	0.00	190.1	20.1	0.0	0.0	650	27-Jul
PX04	87	209	21.70	35.3	24.6	1.3	0.00	121.0	20.6	0.0	0.0	650	28-Jul
PX04	87	210	23.50	38.1	24.5	0.0	0.00	129.6	19.5	0.0	0.0	650	29-Jul
PX04	87	211	28.50	39.4	26.0	0.0	0.00	198.7	18.9	0.0	0.0	650	30-Jul
PX04	87	212	21.70	39.4	23.4	0.0	0.00	129.6	21.2	0.0	0.0	650	31-Jul
PX04	87	213	27.50	37.0	25.7	18.0	0.00	172.8	21.9	0.0	0.0	650	01-Aug
PX04	87	214	28.40	39.4	28.3	0.0	0.00	224.6	21.2	0.0	0.0	650	02-Aug
PX04	87	215	25.90	39.3	26.1	0.0	0.00	121.0	20.3	0.0	0.0	650	03-Aug
PX04	87	216	27.80	39.8	24.3	0.0	0.00	172.8	20.6	0.0	0.0	650	04-Aug
PX04	87	217	27.20	36.4	24.3	12.7	0.00	121.0	22.5	0.0	0.0	650	05-Aug
PX04	87	218	23.30	37.7	27.2	0.0	0.00	146.9	22.4	0.0	0.0	650	06-Aug
PX04	87	219	25.40	40.0	27.2	0.0	0.00	138.2	18.1	0.0	0.0	650	07-Aug
PX04	87	220	27.50	40.3	26.0	0.0	0.00	112.3	17.3	0.0	0.0	650	08-Aug
PX04	87	221	19.40	37.8	27.0	0.0	0.00	129.6	18.0	0.0	0.0	650	09-Aug
PX04	87	222	24.40	39.1	25.1	0.0	0.00	164.2	18.9	0.0	0.0	650	10-Aug
PX04	87	223	12.50	30.4	23.0	7.9	0.00	95.0	21.7	0.0	0.0	650	11-Aug
PX04	87	224	27.30	36.6	23.5	0.0	0.00	146.9	20.2	0.0	0.0	650	12-Aug
PX04	87	225	28.00	37.6	24.1	0.0	0.00	129.6	16.3	0.0	0.0	650	13-Aug
PX04	87	226	28.30	38.7	24.0	0.0	0.00	285.1	13.2	0.0	0.0	650	14-Aug
PX04	87	227	28.80	37.7	21.1	0.0	0.00	181.4	11.6	0.0	0.0	650	15-Aug
PX04	87	228	28.10	38.7	19.8	0.0	0.00	112.3	9.0	0.0	0.0	650	16-Aug
PX04	87	229	27.80	39.7	19.5	0.0	0.00	95.0	10.4	0.0	0.0	650	17-Aug
PX04	87	230	27.40	39.3	21.4	0.0	0.00	103.7	13.2	0.0	0.0	650	18-Aug
PX04	87	231	25.90	37.3	24.5	0.0	0.00	129.6	15.8	0.0	0.0	650	19-Aug
PX04	87	232	26.00	40.1	28.6	0.0	0.00	155.5	17.7	0.0	0.0	650	20-Aug
PX04	87	233	24.90	39.3	26.5	0.0	0.00	146.9	17.7	0.0	0.0	650	21-Aug
PX04	87	234	24.80	37.2	27.7	0.0	0.00	181.4	19.5	0.0	0.0	650	22-Aug
PX04	87	235	17.80	34.1	24.1	3.6	0.00	121.0	20.6	0.0	0.0	650	23-Aug
PX04	87	236	19.40	36.9	23.9	3.0	0.00	224.6	19.0	0.0	0.0	650	24-Aug
PX04	87	237	21.60	35.5	21.8	21.1	0.00	138.2	18.4	0.0	0.0	650	25-Aug
PX04	87	238	25.60	33.9	21.2	0.0	0.00	172.8	16.1	0.0	0.0	650	26-Aug
PX04	87	239	25.70	35.3	19.6	0.0	0.00	95.0	14.4	0.0	0.0	650	27-Aug
PX04	87	240	24.80	38.4	21.7	0.0	0.00	103.7	14.3	0.0	0.0	650	28-Aug
PX04	87	241	25.00	39.6	23.0	0.0	0.00	146.9	14.0	0.0	0.0	650	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX04	87	242	25.60	39.2	22.1	0.0	0.00	86.4	13.8	0.0	0.0	650	30-Aug
PX04	87	243	25.30	41.3	23.7	0.0	0.00	138.2	11.9	0.0	0.0	650	31-Aug
PX04	87	244	25.40	39.5	27.0	0.0	0.00	198.7	12.3	0.0	0.0	650	01-Sep
PX04	87	245	25.80	38.4	23.2	0.0	0.00	146.9	11.6	0.0	0.0	650	02-Sep
PX04	87	246	10.40	33.7	24.6	0.0	0.00	129.6	15.6	0.0	0.0	650	03-Sep
PX04	87	247	23.60	33.9	24.0	0.0	0.00	146.9	17.0	0.0	0.0	650	04-Sep
PX04	87	248	23.70	35.0	23.5	0.0	0.00	95.0	16.0	0.0	0.0	650	05-Sep
PX04	87	249	23.70	36.3	22.4	0.0	0.00	95.0	14.1	0.0	0.0	650	06-Sep
PX04	87	250	24.30	37.2	20.8	0.0	0.00	103.7	8.9	0.0	0.0	650	07-Sep
PX04	87	251	24.70	37.5	17.7	0.0	0.00	95.0	8.0	0.0	0.0	650	08-Sep
PX04	87	252	23.50	36.5	17.1	0.0	0.00	103.7	8.1	0.0	0.0	650	09-Sep
PX04	87	253	22.90	38.0	18.5	0.0	0.00	95.0	8.5	0.0	0.0	650	10-Sep
PX04	87	254	23.10	38.3	20.6	0.0	0.00	129.6	7.0	0.0	0.0	650	11-Sep
PX04	87	255	23.40	37.6	19.1	0.0	0.00	181.4	7.3	0.0	0.0	650	12-Sep
PX04	87	256	22.60	34.5	21.1	0.0	0.00	293.8	9.4	0.0	0.0	650	13-Sep
PX04	87	257	22.00	33.4	16.5	0.0	0.00	103.7	7.3	0.0	0.0	650	14-Sep
PX04	87	258	22.30	35.3	17.1	0.0	0.00	112.3	9.8	0.0	0.0	650	15-Sep
PX04	87	259	18.50	35.3	18.3	0.0	0.00	103.7	10.9	0.0	0.0	650	16-Sep
PX04	87	260	15.10	34.6	18.4	0.0	0.00	164.2	10.5	0.0	0.0	650	17-Sep
PX04	87	261	21.50	33.5	16.8	0.0	0.00	112.3	13.2	0.0	0.0	650	18-Sep
PX04	87	262	21.50	37.4	18.3	0.0	0.00	112.3	11.8	0.0	0.0	650	19-Sep
PX04	87	263	21.60	38.5	19.5	0.0	0.00	129.6	8.6	0.0	0.0	650	20-Sep
PX04	87	264	17.40	36.2	21.6	0.0	0.00	164.2	13.6	0.0	0.0	650	21-Sep
PX04	87	265	15.00	37.0	20.1	0.0	0.00	164.2	15.0	0.0	0.0	650	22-Sep
PX04	87	266	15.10	31.5	18.7	9.7	0.00	103.7	17.3	0.0	0.0	650	23-Sep
PX04	87	267	18.20	32.5	19.5	6.9	0.00	86.4	17.0	0.0	0.0	650	24-Sep
PX04	87	268	21.20	34.8	19.8	0.5	0.00	86.4	15.0	0.0	0.0	650	25-Sep
PX04	87	269	20.00	36.4	19.1	0.0	0.00	103.7	13.9	0.0	0.0	650	26-Sep
PX04	87	270	20.40	37.9	19.7	0.0	0.00	77.8	12.6	0.0	0.0	650	27-Sep
PX04	87	271	19.40	38.4	19.7	0.0	0.00	103.7	11.8	0.0	0.0	650	28-Sep
PX04	87	272	20.50	39.0	20.4	0.0	0.00	190.1	9.4	0.0	0.0	650	29-Sep
PX04	87	273	20.80	36.7	19.1	0.0	0.00	129.6	9.9	0.0	0.0	650	30-Sep
PX04	87	274	20.60	37.1	24.0	0.0	0.00	129.6	8.6	0.0	0.0	650	01-Oct
PX04	87	275	20.40	37.8	19.2	0.0	0.00	181.4	9.5	0.0	0.0	650	02-Oct
PX04	87	276	20.20	38.1	18.4	0.0	0.00	112.3	4.5	0.0	0.0	650	03-Oct
PX04	87	277	19.90	38.2	17.6	0.0	0.00	60.5	5.4	0.0	0.0	650	04-Oct
PX04	87	278	19.60	40.2	19.1	0.0	0.00	69.1	4.8	0.0	0.0	650	05-Oct
PX04	87	279	23.50	40.2	17.4	0.0	0.00	77.1	3.6	0.0	0.0	650	06-Oct
PX04	87	280	17.50	40.0	16.9	0.0	0.00	95.0	4.3	0.0	0.0	650	07-Oct
PX04	87	281	19.10	39.4	17.0	0.0	0.00	129.6	6.5	0.0	0.0	650	08-Oct
PX04	87	282	18.30	37.4	18.9	0.0	0.00	138.2	9.9	0.0	0.0	650	09-Oct
PX04	87	283	19.00	36.9	18.9	0.0	0.00	121.0	10.7	0.0	0.0	650	10-Oct

FILENAME: PX130407.W87   WEATHER DATA FOR CO2=650, IRR=WET, NIT=-, REP=#2

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC					↓		CO2YR	WINDYR
PX13	33.40	112.00	2.30	0	1	1	0	1		650	0.0

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	87	92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX13	87	93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX13	87	94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX13	87	95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX13	87	96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX13	87	97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX13	87	98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX13	87	99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX13	87	100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX13	87	101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX13	87	102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX13	87	103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX13	87	104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX13	87	105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX13	87	106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX13	87	107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX13	87	108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX13	87	109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX13	87	110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX13	87	111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX13	87	112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX13	87	113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX13	87	114	28.10	36.8	15.7	0.0	0.00	121.0	8.0	0.0	0.0	650	24-Apr
PX13	87	115	28.10	36.9	20.3	0.0	0.00	172.8	7.8	0.0	0.0	650	25-Apr
PX13	87	116	28.10	38.3	20.9	0.0	0.00	155.5	9.5	0.0	0.0	650	26-Apr
PX13	87	117	22.30	35.7	22.0	0.0	0.00	224.6	11.8	0.0	0.0	650	27-Apr
PX13	87	118	28.00	36.6	20.1	0.0	0.00	224.6	12.0	0.0	0.0	650	28-Apr
PX13	87	119	22.40	37.0	22.1	0.0	0.00	164.2	10.0	0.0	0.0	650	29-Apr
PX13	87	120	24.00	34.7	20.3	0.3	0.00	164.2	9.0	0.0	0.0	650	30-Apr
PX13	87	121	29.10	32.1	13.6	0.0	0.00	155.5	6.1	0.0	0.0	650	01-May
PX13	87	122	25.80	30.8	17.0	0.0	0.00	129.6	6.2	0.0	0.0	650	02-May
PX13	87	123	29.50	34.4	14.2	0.0	0.00	95.0	6.1	0.0	0.0	650	03-May
PX13	87	124	29.70	36.9	15.3	0.0	0.00	77.8	3.4	0.0	0.0	650	04-May
PX13	87	125	29.10	38.7	16.4	0.0	0.00	66.5	0.4	0.0	0.0	650	05-May
PX13	87	126	29.30	38.3	21.1	0.0	0.00	155.5	5.3	0.0	0.0	650	06-May
PX13	87	127	28.10	37.2	24.2	0.0	0.00	172.8	6.8	0.0	0.0	650	07-May
PX13	87	128	29.30	35.7	22.4	0.0	0.00	164.2	8.0	0.0	0.0	650	08-May
PX13	87	129	29.50	37.8	20.1	0.0	0.00	86.4	8.5	0.0	0.0	650	09-May
PX13	87	130	27.30	37.1	23.4	0.0	0.00	103.7	11.3	0.0	0.0	650	10-May
PX13	87	131	29.10	37.1	20.3	1.5	0.00	95.0	12.0	0.0	0.0	650	11-May
PX13	87	132	28.50	39.3	21.2	0.0	0.00	129.6	8.0	0.0	0.0	650	12-May
PX13	87	133	28.90	39.7	22.2	0.0	0.00	138.2	7.8	0.0	0.0	650	13-May
PX13	87	134	25.60	39.7	25.1	0.0	0.00	164.2	10.6	0.0	0.0	650	14-May
PX13	87	135	24.00	37.5	21.8	0.3	0.00	181.4	12.8	0.0	0.0	650	15-May
PX13	87	136	28.10	36.9	21.1	0.0	0.00	86.4	10.0	0.0	0.0	650	16-May
PX13	87	137	29.10	38.5	21.2	0.0	0.00	121.0	7.4	0.0	0.0	650	17-May

INSTW	IYR JUL	SOLRAD XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX STMIN	STMIN	CO2	A00
PX13	87 138	29.30	38.8	22.6	0.0	0.00	190.1	5.6	0.0	0.0	650	18-May
PX13	87 139	24.40	35.5	21.8	0.0	0.00	172.8	4.6	0.0	0.0	650	19-May
PX13	87 140	26.40	34.9	20.6	0.0	0.00	233.3	7.5	0.0	0.0	650	20-May
PX13	87 141	29.50	32.5	17.3	0.0	0.00	138.2	7.5	0.0	0.0	650	21-May
PX13	87 142	29.30	35.8	17.0	0.0	0.00	121.0	2.9	0.0	0.0	650	22-May
PX13	87 143	31.20	35.8	17.5	0.0	0.00	146.9	1.1	0.0	0.0	650	23-May
PX13	87 144	28.30	34.4	17.2	0.0	0.00	129.6	0.6	0.0	0.0	650	24-May
PX13	87 145	23.10	33.0	17.7	0.0	0.00	198.7	0.9	0.0	0.0	650	25-May
PX13	87 146	30.10	28.1	13.6	0.0	0.00	164.2	0.2	0.0	0.0	650	26-May
PX13	87 147	29.90	30.3	13.8	0.0	0.00	112.3	0.9	0.0	0.0	650	27-May
PX13	87 148	30.10	32.6	16.6	0.0	0.00	121.0	1.1	0.0	0.0	650	28-May
PX13	87 149	30.40	34.6	17.4	0.0	0.00	121.0	3.9	0.0	0.0	650	29-May
PX13	87 150	30.80	36.8	18.4	0.0	0.00	103.7	2.1	0.0	0.0	650	30-May
PX13	87 151	31.40	38.5	19.5	0.0	0.00	129.6	5.0	0.0	0.0	650	31-May
PX13	87 152	31.40	39.8	22.4	0.5	0.00	172.8	5.6	0.0	0.0	650	01-Jun
PX13	87 153	31.00	40.5	21.8	0.0	0.00	121.0	5.6	0.0	0.0	650	02-Jun
PX13	87 154	28.70	41.8	21.6	0.0	0.00	95.0	4.6	0.0	0.0	650	03-Jun
PX13	87 155	28.50	39.3	26.5	0.0	0.00	224.6	8.6	0.0	0.0	650	04-Jun
PX13	87 156	19.60	38.9	25.8	0.0	0.00	181.4	8.6	0.0	0.0	650	05-Jun
PX13	87 157	30.80	34.9	24.1	1.8	0.00	129.6	15.1	0.0	0.0	650	06-Jun
PX13	87 158	31.20	40.4	23.9	0.0	0.00	164.2	11.3	0.0	0.0	650	07-Jun
PX13	87 159	31.60	40.8	23.8	0.0	0.00	146.8	5.4	0.0	0.0	650	08-Jun
PX13	87 160	32.00	38.9	23.2	0.0	0.00	112.3	6.2	0.0	0.0	650	09-Jun
PX13	87 161	32.00	39.9	22.1	0.0	0.00	112.3	4.3	0.0	0.0	650	10-Jun
PX13	87 162	30.40	39.9	21.8	0.0	0.00	95.0	5.9	0.0	0.0	650	11-Jun
PX13	87 163	30.10	40.2	25.8	0.0	0.00	77.8	9.4	0.0	0.0	650	12-Jun
PX13	87 164	29.90	42.6	25.0	0.0	0.00	25.9	8.4	0.0	0.0	650	13-Jun
PX13	87 165	30.40	44.4	26.8	0.0	0.00	86.4	8.2	0.0	0.0	650	14-Jun
PX13	87 166	32.00	41.3	26.8	0.0	0.00	129.6	4.6	0.0	0.0	650	15-Jun
PX13	87 167	31.20	37.8	21.7	0.0	0.00	43.2	3.8	0.0	0.0	650	16-Jun
PX13	87 168	32.00	38.8	21.2	0.0	0.00	43.2	9.2	0.0	0.0	650	17-Jun
PX13	87 169	32.20	38.1	22.1	0.0	0.00	103.7	7.5	0.0	0.0	650	18-Jun
PX13	87 170	30.10	36.5	20.0	0.0	0.00	17.3	6.2	0.0	0.0	650	19-Jun
PX13	87 171	28.30	37.3	20.1	0.0	0.00	25.9	6.5	0.0	0.0	650	20-Jun
PX13	87 172	32.00	37.9	20.2	0.0	0.00	60.5	8.0	0.0	0.0	650	21-Jun
PX13	87 173	32.00	37.6	22.2	0.0	0.00	51.8	9.5	0.0	0.0	650	22-Jun
PX13	87 174	31.00	37.6	22.2	0.0	0.00	34.6	12.5	0.0	0.0	650	23-Jun
PX13	87 175	30.10	39.6	22.8	0.0	0.00	34.6	12.9	0.0	0.0	650	24-Jun
PX13	87 176	16.50	39.0	27.4	0.0	0.00	8.6	12.1	0.0	0.0	650	25-Jun
PX13	87 177	30.60	40.3	24.7	0.0	0.00	34.6	12.1	0.0	0.0	650	26-Jun
PX13	87 178	31.00	40.2	26.0	0.0	0.00	43.2	9.9	0.0	0.0	650	27-Jun
PX13	87 179	31.40	41.4	24.8	0.0	0.00	77.8	5.4	0.0	0.0	650	28-Jun
PX13	87 180	31.60	41.2	23.6	0.0	0.00	95.0	4.1	0.0	0.0	650	29-Jun
PX13	87 181	31.20	38.1	21.6	0.0	0.00	146.9	4.1	0.0	0.0	650	30-Jun
PX13	87 182	27.90	37.7	22.8	0.0	0.00	103.7	2.5	0.0	0.0	650	01-Jul
PX13	87 183	31.60	38.7	19.1	0.0	0.00	103.7	5.1	0.0	0.0	650	02-Jul
PX13	87 184	31.40	38.8	21.1	0.0	0.00	103.7	6.1	0.0	0.0	650	03-Jul
PX13	87 185	32.40	38.6	21.0	1.3	0.00	155.5	2.3	0.0	0.0	650	04-Jul
PX13	87 186	32.20	39.4	21.0	0.0	0.00	138.2	4.1	0.0	0.0	650	05-Jul
PX13	87 187	31.20	39.5	22.3	0.0	0.00	112.3	3.8	0.0	0.0	650	06-Jul
PX13	87 188	23.90	38.5	22.1	0.0	0.00	112.3	7.0	0.0	0.0	650	07-Jul
PX13	87 189	20.50	39.2	21.3	0.0	0.00	129.6	6.4	0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	87	190	19.70	38.5	22.7	0.0	0.00	241.9	5.6	0.0	0.0	650	09-Jul
PX13	87	191	27.90	38.5	22.7	0.0	0.00	172.8	7.4	0.0	0.0	650	10-Jul
PX13	87	192	31.00	39.6	21.9	0.0	0.00	129.6	7.0	0.0	0.0	650	11-Jul
PX13	87	193	28.90	39.7	22.5	0.0	0.00	103.7	7.8	0.0	0.0	650	12-Jul
PX13	87	194	29.70	42.1	24.4	0.0	0.00	103.7	7.0	0.0	0.0	650	13-Jul
PX13	87	195	27.50	41.3	26.3	0.0	0.00	207.4	11.5	0.0	0.0	650	14-Jul
PX13	87	196	23.70	37.4	27.5	0.0	0.00	181.4	15.0	0.0	0.0	650	15-Jul
PX13	87	197	16.10	34.6	25.8	0.0	0.00	198.7	17.0	0.0	0.0	650	16-Jul
PX13	87	198	30.60	37.6	21.9	0.0	0.00	302.4	10.4	0.0	0.0	650	17-Jul
PX13	87	199	27.50	36.0	22.9	0.0	0.00	207.4	12.5	0.0	0.0	650	18-Jul
PX13	87	200	30.10	38.5	21.5	0.0	0.00	146.9	9.7	0.0	0.0	650	19-Jul
PX13	87	201	26.40	41.5	27.0	0.0	0.00	155.5	15.8	0.0	0.0	650	20-Jul
PX13	87	202	21.10	40.3	23.2	15.2	0.00	233.3	14.0	0.0	0.0	650	21-Jul
PX13	87	203	29.50	38.5	15.8	0.0	0.00	121.0	13.9	0.0	0.0	650	22-Jul
PX13	87	204	30.10	40.1	16.3	0.0	0.00	112.3	10.0	0.0	0.0	650	23-Jul
PX13	87	205	27.70	41.3	23.8	0.0	0.00	138.2	8.4	0.0	0.0	650	24-Jul
PX13	87	206	23.50	42.1	31.0	0.0	0.00	155.5	14.9	0.0	0.0	650	25-Jul
PX13	87	207	26.00	42.6	25.9	0.0	0.00	198.7	18.3	0.0	0.0	650	26-Jul
PX13	87	208	23.10	36.8	25.4	11.9	0.00	190.1	19.7	0.0	0.0	650	27-Jul
PX13	87	209	21.70	34.0	24.9	1.3	0.00	121.0	20.4	0.0	0.0	650	28-Jul
PX13	87	210	23.50	37.2	25.4	0.0	0.00	129.6	19.4	0.0	0.0	650	29-Jul
PX13	87	211	28.50	40.2	27.0	0.0	0.00	198.7	19.1	0.0	0.0	650	30-Jul
PX13	87	212	21.70	40.0	23.5	0.0	0.00	129.6	21.7	0.0	0.0	650	31-Jul
PX13	87	213	27.50	36.0	25.7	18.0	0.00	172.8	22.0	0.0	0.0	650	01-Aug
PX13	87	214	28.40	38.3	28.4	0.0	0.00	224.6	21.3	0.0	0.0	650	02-Aug
PX13	87	215	25.90	38.5	26.0	0.0	0.00	121.0	20.3	0.0	0.0	650	03-Aug
PX13	87	216	27.80	37.9	24.4	0.0	0.00	172.8	20.8	0.0	0.0	650	04-Aug
PX13	87	217	27.20	35.8	23.9	12.7	0.00	121.0	22.8	0.0	0.0	650	05-Aug
PX13	87	218	23.30	37.1	27.0	0.0	0.00	146.9	22.4	0.0	0.0	650	06-Aug
PX13	87	219	25.40	39.0	27.6	0.0	0.00	138.2	18.1	0.0	0.0	650	07-Aug
PX13	87	220	27.50	39.4	26.7	0.0	0.00	112.3	18.4	0.0	0.0	650	08-Aug
PX13	87	221	19.40	37.0	27.5	0.0	0.00	129.6	17.5	0.0	0.0	650	09-Aug
PX13	87	222	24.40	38.6	25.1	0.0	0.00	164.2	18.5	0.0	0.0	650	10-Aug
PX13	87	223	12.50	29.3	23.1	7.9	0.00	95.0	21.5	0.0	0.0	650	11-Aug
PX13	87	224	24.50	35.4	24.4	0.0	0.00	146.9	20.1	0.0	0.0	650	12-Aug
PX13	87	225	28.00	37.0	24.5	0.0	0.00	129.6	15.9	0.0	0.0	650	13-Aug
PX13	87	226	28.30	38.8	24.9	0.0	0.00	285.1	13.0	0.0	0.0	650	14-Aug
PX13	87	227	28.80	37.2	22.1	0.0	0.00	181.4	10.7	0.0	0.0	650	15-Aug
PX13	87	228	28.10	38.1	20.5	0.0	0.00	112.3	8.8	0.0	0.0	650	16-Aug
PX13	87	229	27.80	40.3	20.2	0.0	0.00	95.0	9.9	0.0	0.0	650	17-Aug
PX13	87	230	27.40	39.0	22.2	0.0	0.00	103.7	13.3	0.0	0.0	650	18-Aug
PX13	87	231	25.90	37.1	25.2	0.0	0.00	129.6	15.4	0.0	0.0	650	19-Aug
PX13	87	232	26.00	38.9	29.5	0.0	0.00	155.5	17.9	0.0	0.0	650	20-Aug
PX13	87	233	24.90	38.5	27.4	0.0	0.00	146.9	17.7	0.0	0.0	650	21-Aug
PX13	87	234	24.80	36.6	27.5	0.0	0.00	181.4	19.5	0.0	0.0	650	22-Aug
PX13	87	235	17.80	33.7	24.3	3.6	0.00	121.0	20.4	0.0	0.0	650	23-Aug
PX13	87	236	19.40	36.6	23.9	3.0	0.00	224.6	19.0	0.0	0.0	650	24-Aug
PX13	87	237	21.60	33.6	21.5	21.1	0.00	138.2	18.9	0.0	0.0	650	25-Aug
PX13	87	238	25.60	32.8	21.0	0.0	0.00	172.8	16.4	0.0	0.0	650	26-Aug
PX13	87	239	25.70	34.7	20.2	0.0	0.00	95.0	14.7	0.0	0.0	650	27-Aug
PX13	87	240	24.80	37.4	22.2	0.0	0.00	103.7	15.3	0.0	0.0	650	28-Aug
PX13	87	241	25.00	38.5	23.7	0.0	0.00	146.9	15.0	0.0	0.0	650	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX13	87	242	25.60	37.9	22.7	0.0	0.00	86.4	10.4	0.0	0.0	650	30-Aug
PX13	87	243	25.30	40.7	24.5	0.0	0.00	138.2	13.4	0.0	0.0	650	31-Aug
PX13	87	244	25.40	38.0	27.8	0.0	0.00	198.7	13.3	0.0	0.0	650	01-Sep
PX13	87	245	37.90	25.5	22.0	0.0	0.00	146.9	13.1	0.0	0.0	650	02-Sep
PX13	87	246	10.40	32.4	25.2	0.0	0.00	129.6	15.2	0.0	0.0	650	03-Sep
PX13	87	247	23.60	32.8	24.1	0.0	0.00	146.9	17.1	0.0	0.0	650	04-Sep
PX13	87	248	23.70	33.5	23.5	0.0	0.00	95.0	15.9	0.0	0.0	650	05-Sep
PX13	87	249	23.70	34.8	23.1	0.0	0.00	95.0	14.0	0.0	0.0	650	06-Sep
PX13	87	250	24.30	35.6	21.5	0.0	0.00	103.7	8.5	0.0	0.0	650	07-Sep
PX13	87	251	24.70	34.9	18.2	0.0	0.00	95.0	8.8	0.0	0.0	650	08-Sep
PX13	87	252	23.50	33.8	17.7	0.0	0.00	103.7	9.2	0.0	0.0	650	09-Sep
PX13	87	253	22.90	35.8	19.3	0.0	0.00	95.0	9.4	0.0	0.0	650	10-Sep
PX13	87	254	23.10	37.1	21.6	0.0	0.00	129.6	8.4	0.0	0.0	650	11-Sep
PX13	87	255	23.40	35.5	20.4	0.0	0.00	181.4	9.9	0.0	0.0	650	12-Sep
PX13	87	256	22.60	32.7	21.5	0.0	0.00	293.8	12.2	0.0	0.0	650	13-Sep
PX13	87	257	22.00	31.2	17.6	0.0	0.00	103.7	7.8	0.0	0.0	650	14-Sep
PX13	87	258	22.30	32.4	18.4	0.0	0.00	112.3	10.4	0.0	0.0	650	15-Sep
PX13	87	259	18.50	33.3	19.2	0.0	0.00	103.7	11.6	0.0	0.0	650	16-Sep
PX13	87	260	15.10	32.9	19.7	0.0	0.00	164.2	9.7	0.0	0.0	650	17-Sep
PX13	87	261	21.50	33.2	19.2	0.0	0.00	112.3	11.9	0.0	0.0	650	18-Sep
PX13	87	262	21.50	35.3	21.0	0.0	0.00	112.3	10.0	0.0	0.0	650	19-Sep
PX13	87	263	21.60	36.3	20.4	0.0	0.00	129.6	9.0	0.0	0.0	650	20-Sep
PX13	87	264	17.40	35.2	21.9	0.0	0.00	164.2	14.0	0.0	0.0	650	21-Sep
PX13	87	265	15.00	35.9	20.5	0.0	0.00	164.2	15.2	0.0	0.0	650	22-Sep
PX13	87	266	15.10	31.8	18.9	9.7	0.00	103.7	17.4	0.0	0.0	650	23-Sep
PX13	87	267	18.20	33.4	19.8	6.9	0.00	86.4	15.8	0.0	0.0	650	24-Sep
PX13	87	268	21.20	35.2	19.2	0.5	0.00	86.4	14.3	0.0	0.0	650	25-Sep
PX13	87	269	20.00	36.5	20.2	0.0	0.00	103.7	13.7	0.0	0.0	650	26-Sep
PX13	87	270	20.40	37.9	20.6	0.0	0.00	77.8	12.7	0.0	0.0	650	27-Sep
PX13	87	271	19.40	37.8	20.2	0.0	0.00	103.7	11.8	0.0	0.0	650	28-Sep
PX13	87	272	20.50	38.8	21.5	0.0	0.00	190.1	9.3	0.0	0.0	650	29-Sep
PX13	87	273	20.80	36.6	19.8	0.0	0.00	129.6	9.2	0.0	0.0	650	30-Sep
PX13	87	274	20.60	36.7	24.9	0.0	0.00	129.6	7.3	0.0	0.0	650	01-Oct
PX13	87	275	20.40	38.0	20.6	0.0	0.00	181.4	8.6	0.0	0.0	650	02-Oct
PX13	87	276	20.20	37.9	19.7	0.0	0.00	112.3	1.7	0.0	0.0	650	03-Oct
PX13	87	277	19.90	38.5	18.8	0.0	0.00	60.5	3.8	0.0	0.0	650	04-Oct
PX13	87	278	19.60	39.6	20.7	0.0	0.00	69.1	3.2	0.0	0.0	650	05-Oct
PX13	87	279	23.50	40.2	18.7	0.0	0.00	77.1	2.1	0.0	0.0	650	06-Oct
PX13	87	280	17.50	39.8	17.7	0.0	0.00	95.0	3.0	0.0	0.0	650	07-Oct
PX13	87	281	19.10	39.3	18.1	0.0	0.00	129.6	6.4	0.0	0.0	650	08-Oct
PX13	87	282	18.30	37.5	19.6	0.0	0.00	138.2	10.0	0.0	0.0	650	09-Oct
PX13	87	283	19.00	36.8	19.6	0.0	0.00	121.0	10.7	0.0	0.0	650	10-Oct

```
                                options (for PAR, WIND, DEWPT, STDAT & CO2)
INSTW XLAT   XLONG  PARFAC        ↓        CO2YR WINDYR
PX01  33.40  112.00  2.30  0 1 1 0 1  650    0.0
```

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX01	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX01	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX01	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX01	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX01	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX01	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX01	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX01	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX01	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX01	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX01	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX01	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX01	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX01	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX01	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX01	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX01	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX01	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX01	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX01	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX01	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX01	87 114	29.24	35.8	15.9	0.0	0.00	121.0	3.8	0.0	0.0	650	24-Apr
PX01	87 115	28.54	36.6	20.1	0.0	0.00	172.8	7.1	0.0	0.0	650	25-Apr
PX01	87 116	28.10	37.9	20.7	0.0	0.00	155.5	9.0	0.0	0.0	650	26-Apr
PX01	87 117	22.30	35.7	21.6	0.0	0.00	224.6	15.4	0.0	0.0	650	27-Apr
PX01	87 118	28.00	37.1	19.5	0.0	0.00	224.6	8.9	0.0	0.0	650	28-Apr
PX01	87 119	22.40	35.6	21.5	0.0	0.00	164.2	7.7	0.0	0.0	650	29-Apr
PX01	87 120	24.00	33.7	20.3	0.3	0.00	164.2	8.9	0.0	0.0	650	30-Apr
PX01	87 121	29.10	30.9	13.6	0.0	0.00	155.5	7.7	0.0	0.0	650	01-May
PX01	87 122	25.80	30.0	16.7	0.0	0.00	129.6	6.8	0.0	0.0	650	02-May
PX01	87 123	29.50	33.8	14.2	0.0	0.00	95.0	3.8	0.0	0.0	650	03-May
PX01	87 124	29.70	35.4	14.5	0.0	0.00	77.8	10.1	0.0	0.0	650	04-May
PX01	87 125	29.10	37.9	15.6	0.0	0.00	66.5	4.5	0.0	0.0	650	05-May
PX01	87 126	29.30	38.3	20.3	0.0	0.00	155.5	8.4	0.0	0.0	650	06-May
PX01	87 127	28.10	36.5	23.6	0.0	0.00	172.8	11.9	0.0	0.0	650	07-May
PX01	87 128	29.30	35.2	21.8	0.0	0.00	164.2	11.2	0.0	0.0	650	08-May
PX01	87 129	29.50	37.9	18.7	0.0	0.00	86.4	10.7	0.0	0.0	650	09-May
PX01	87 130	27.30	37.4	22.7	0.0	0.00	103.7	9.5	0.0	0.0	650	10-May
PX01	87 131	29.10	36.6	19.4	1.5	0.00	95.0	12.1	0.0	0.0	650	11-May
PX01	87 132	28.50	39.4	19.9	0.0	0.00	129.6	13.4	0.0	0.0	650	12-May
PX01	87 133	28.90	39.3	20.9	0.0	0.00	138.2	9.0	0.0	0.0	650	13-May
PX01	87 134	25.60	39.6	24.3	0.0	0.00	164.2	11.0	0.0	0.0	650	14-May
PX01	87 135	24.00	37.9	21.3	0.3	0.00	181.4	13.3	0.0	0.0	650	15-May
PX01	87 136	28.10	36.8	20.1	0.0	0.00	86.4	11.2	0.0	0.0	650	16-May
PX01	87 137	29.10	39.1	20.1	0.0	0.00	121.0	8.6	0.0	0.0	650	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	87	138	29.30	38.5	22.0	0.0	0.00	190.1	12.2	0.0	0.0	650	18-May
PX01	87	139	24.40	35.4	21.4	0.0	0.00	172.8	5.4	0.0	0.0	650	19-May
PX01	87	140	26.40	35.0	20.0	0.0	0.00	233.3	8.4	0.0	0.0	650	20-May
PX01	87	141	29.50	31.9	16.2	0.0	0.00	138.2	8.6	0.0	0.0	650	21-May
PX01	87	142	29.30	36.7	15.8	0.0	0.00	121.0	4.3	0.0	0.0	650	22-May
PX01	87	143	31.20	35.1	16.0	0.0	0.00	146.9	0.2	0.0	0.0	650	23-May
PX01	87	144	28.30	34.9	16.4	0.0	0.00	129.6	0.9	0.0	0.0	650	24-May
PX01	87	145	23.10	32.0	17.0	0.0	0.00	198.7	2.7	0.0	0.0	650	25-May
PX01	87	146	30.10	27.1	13.1	0.0	0.00	164.2	1.9	0.0	0.0	650	26-May
PX01	87	147	29.90	30.4	12.1	0.0	0.00	112.3	2.7	0.0	0.0	650	27-May
PX01	87	148	30.10	33.2	15.8	0.0	0.00	121.0	5.3	0.0	0.0	650	28-May
PX01	87	149	30.40	35.4	15.6	0.0	0.00	121.0	7.7	0.0	0.0	650	29-May
PX01	87	150	30.80	37.8	16.9	0.0	0.00	103.7	5.8	0.0	0.0	650	30-May
PX01	87	151	31.40	39.0	18.1	0.0	0.00	129.6	7.5	0.0	0.0	650	31-May
PX01	87	152	31.40	40.3	21.4	0.5	0.00	172.8	7.4	0.0	0.0	650	01-Jun
PX01	87	153	31.00	40.8	20.8	0.0	0.00	121.0	9.8	0.0	0.0	650	02-Jun
PX01	87	154	28.70	43.1	20.4	0.0	0.00	95.0	8.9	0.0	0.0	650	03-Jun
PX01	87	155	28.50	40.3	25.8	0.0	0.00	224.6	11.1	0.0	0.0	650	04-Jun
PX01	87	156	19.60	39.7	24.4	0.0	0.00	181.4	10.9	0.0	0.0	650	05-Jun
PX01	87	157	30.80	35.4	23.1	1.8	0.00	129.6	16.4	0.0	0.0	650	06-Jun
PX01	87	158	31.20	41.5	23.0	0.0	0.00	164.2	12.8	0.0	0.0	650	07-Jun
PX01	87	159	31.60	42.1	22.5	0.0	0.00	146.8	9.7	0.0	0.0	650	08-Jun
PX01	87	160	32.00	40.3	22.3	0.0	0.00	112.3	9.9	0.0	0.0	650	09-Jun
PX01	87	161	32.00	41.3	20.6	0.0	0.00	112.3	6.5	0.0	0.0	650	10-Jun
PX01	87	162	30.40	40.9	20.6	0.0	0.00	95.0	8.4	0.0	0.0	650	11-Jun
PX01	87	163	30.10	41.4	25.0	0.0	0.00	77.8	12.2	0.0	0.0	650	12-Jun
PX01	87	164	29.90	44.0	24.1	0.0	0.00	25.9	11.4	0.0	0.0	650	13-Jun
PX01	87	165	30.40	45.9	26.0	0.0	0.00	86.4	12.0	0.0	0.0	650	14-Jun
PX01	87	166	32.00	42.1	25.8	0.0	0.00	129.6	8.9	0.0	0.0	650	15-Jun
PX01	87	167	31.20	39.2	20.7	0.0	0.00	43.2	7.4	0.0	0.0	650	16-Jun
PX01	87	168	32.00	40.4	19.7	0.0	0.00	43.2	8.1	0.0	0.0	650	17-Jun
PX01	87	169	32.20	38.8	20.5	0.0	0.00	103.7	5.4	0.0	0.0	650	18-Jun
PX01	87	170	30.10	37.4	18.2	0.0	0.00	17.3	6.4	0.0	0.0	650	19-Jun
PX01	87	171	28.30	36.0	17.8	0.0	0.00	25.9	8.1	0.0	0.0	650	20-Jun
PX01	87	172	32.00	38.2	18.0	0.0	0.00	60.5	8.0	0.0	0.0	650	21-Jun
PX01	87	173	32.00	38.1	20.4	0.0	0.00	51.8	9.0	0.0	0.0	650	22-Jun
PX01	87	174	31.00	37.8	20.6	0.0	0.00	34.6	12.5	0.0	0.0	650	23-Jun
PX01	87	175	30.10	38.3	21.5	0.0	0.00	34.6	14.0	0.0	0.0	650	24-Jun
PX01	87	176	16.50	38.0	22.8	0.0	0.00	8.6	13.0	0.0	0.0	650	25-Jun
PX01	87	177	30.60	40.9	24.1	0.0	0.00	34.6	13.2	0.0	0.0	650	26-Jun
PX01	87	178	31.00	40.8	25.1	0.0	0.00	43.2	11.1	0.0	0.0	650	27-Jun
PX01	87	179	31.40	40.5	23.9	0.0	0.00	77.8	8.2	0.0	0.0	650	28-Jun
PX01	87	180	31.60	39.9	22.8	0.0	0.00	95.0	6.7	0.0	0.0	650	29-Jun
PX01	87	181	31.20	39.1	19.5	0.0	0.00	146.9	6.1	0.0	0.0	650	30-Jun
PX01	87	182	27.90	37.3	20.7	0.0	0.00	103.7	5.1	0.0	0.0	650	01-Jul
PX01	87	183	31.60	38.5	17.1	0.0	0.00	103.7	6.8	0.0	0.0	650	02-Jul
PX01	87	184	31.40	39.1	19.0	0.0	0.00	103.7	7.4	0.0	0.0	650	03-Jul
PX01	87	185	32.40	38.6	19.4	1.3	0.00	155.5	5.4	0.0	0.0	650	04-Jul
PX01	87	186	32.20	39.7	18.8	0.0	0.00	138.2	6.1	0.0	0.0	650	05-Jul
PX01	87	187	31.20	40.0	20.4	0.0	0.00	112.3	5.6	0.0	0.0	650	06-Jul
PX01	87	188	23.90	39.1	20.4	0.0	0.00	112.3	8.6	0.0	0.0	650	07-Jul
PX01	87	189	20.50	39.7	21.0	0.0	0.00	129.6	8.9	0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	AOO
PX01	87	190	19.70	40.2	21.5	0.0	0.00	241.9	8.5	0.0	0.0	650	09-Jul
PX01	87	191	27.90	38.6	22.0	0.0	0.00	172.8	9.7	0.0	0.0	650	10-Jul
PX01	87	192	31.00	39.1	21.8	0.0	0.00	129.6	8.8	0.0	0.0	650	11-Jul
PX01	87	193	28.90	39.7	21.5	0.0	0.00	103.7	9.4	0.0	0.0	650	12-Jul
PX01	87	194	29.70	42.4	22.9	0.0	0.00	103.7	9.5	0.0	0.0	650	13-Jul
PX01	87	195	27.50	41.9	25.0	0.0	0.00	207.4	12.8	0.0	0.0	650	14-Jul
PX01	87	196	23.70	36.8	26.3	0.0	0.00	181.4	16.4	0.0	0.0	650	15-Jul
PX01	87	197	16.10	34.6	25.2	0.0	0.00	198.7	17.8	0.0	0.0	650	16-Jul
PX01	87	198	30.60	38.0	20.9	0.0	0.00	302.4	11.5	0.0	0.0	650	17-Jul
PX01	87	199	27.50	36.4	22.1	0.0	0.00	207.4	13.4	0.0	0.0	650	18-Jul
PX01	87	200	30.10	39.3	21.2	0.0	0.00	146.9	10.5	0.0	0.0	650	19-Jul
PX01	87	201	26.40	42.2	26.5	0.0	0.00	155.5	16.4	0.0	0.0	650	20-Jul
PX01	87	202	21.10	41.5	21.3	15.2	0.00	233.3	15.0	0.0	0.0	650	21-Jul
PX01	87	203	29.50	37.9	17.3	0.0	0.00	121.0	10.5	0.0	0.0	650	22-Jul
PX01	87	204	30.10	40.2	18.9	0.0	0.00	112.3	8.6	0.0	0.0	650	23-Jul
PX01	87	205	27.70	41.0	21.5	0.0	0.00	138.2	9.5	0.0	0.0	650	24-Jul
PX01	87	206	23.50	42.3	29.9	0.0	0.00	155.5	15.0	0.0	0.0	650	25-Jul
PX01	87	207	26.00	43.4	25.7	0.0	0.00	198.7	18.4	0.0	0.0	650	26-Jul
PX01	87	208	23.10	36.9	24.9	11.9	0.00	190.1	20.2	0.0	0.0	650	27-Jul
PX01	87	209	21.70	35.0	24.5	1.3	0.00	121.0	20.7	0.0	0.0	650	28-Jul
PX01	87	210	23.50	36.9	24.4	0.0	0.00	129.6	19.7	0.0	0.0	650	29-Jul
PX01	87	211	28.50	39.0	25.7	0.0	0.00	198.7	18.9	0.0	0.0	650	30-Jul
PX01	87	212	21.70	39.5	23.5	0.0	0.00	129.6	20.1	0.0	0.0	650	31-Jul
PX01	87	213	27.50	36.5	25.8	18.0	0.00	172.8	22.4	0.0	0.0	650	01-Aug
PX01	87	214	28.40	38.8	28.2	0.0	0.00	224.6	21.7	0.0	0.0	650	02-Aug
PX01	87	215	25.90	39.2	26.0	0.0	0.00	121.0	20.6	0.0	0.0	650	03-Aug
PX01	87	216	27.80	39.4	24.3	0.0	0.00	172.8	21.1	0.0	0.0	650	04-Aug
PX01	87	217	27.20	36.3	24.2	12.7	0.00	121.0	23.1	0.0	0.0	650	05-Aug
PX01	87	218	23.30	37.2	27.0	0.0	0.00	146.9	23.2	0.0	0.0	650	06-Aug
PX01	87	219	25.40	40.2	27.1	0.0	0.00	138.2	19.1	0.0	0.0	650	07-Aug
PX01	87	220	27.50	40.4	25.7	0.0	0.00	112.3	18.2	0.0	0.0	650	08-Aug
PX01	87	221	19.40	37.9	26.7	0.0	0.00	129.6	19.0	0.0	0.0	650	09-Aug
PX01	87	222	24.40	40.2	25.0	0.0	0.00	164.2	20.2	0.0	0.0	650	10-Aug
PX01	87	223	12.50	30.2	23.1	7.9	0.00	95.0	22.2	0.0	0.0	650	11-Aug
PX01	87	224	27.30	36.6	24.0	0.0	0.00	146.9	21.5	0.0	0.0	650	12-Aug
PX01	87	225	28.00	37.6	23.8	0.0	0.00	129.6	18.0	0.0	0.0	650	13-Aug
PX01	87	226	28.30	38.6	23.9	0.0	0.00	285.1	14.8	0.0	0.0	650	14-Aug
PX01	87	227	28.80	37.8	20.9	0.0	0.00	181.4	12.1	0.0	0.0	650	15-Aug
PX01	87	228	28.10	39.4	19.5	0.0	0.00	112.3	9.9	0.0	0.0	650	16-Aug
PX01	87	229	27.80	40.7	19.2	0.0	0.00	95.0	13.6	0.0	0.0	650	17-Aug
PX01	87	230	27.40	41.0	21.2	0.0	0.00	103.7	17.4	0.0	0.0	650	18-Aug
PX01	87	231	25.90	38.6	24.4	0.0	0.00	129.6	16.2	0.0	0.0	650	19-Aug
PX01	87	232	26.00	40.4	28.6	0.0	0.00	155.5	18.7	0.0	0.0	650	20-Aug
PX01	87	233	24.90	39.6	26.4	0.0	0.00	146.9	18.2	0.0	0.0	650	21-Aug
PX01	87	234	24.80	37.7	27.4	0.0	0.00	181.4	19.9	0.0	0.0	650	22-Aug
PX01	87	235	17.80	34.6	24.4	3.6	0.00	121.0	20.7	0.0	0.0	650	23-Aug
PX01	87	236	19.40	37.0	24.0	3.0	0.00	224.6	19.5	0.0	0.0	650	24-Aug
PX01	87	237	21.60	35.4	21.7	21.1	0.00	138.2	19.2	0.0	0.0	650	25-Aug
PX01	87	238	25.60	34.0	21.0	0.0	0.00	172.8	16.9	0.0	0.0	650	26-Aug
PX01	87	239	25.70	35.1	19.6	0.0	0.00	95.0	15.5	0.0	0.0	650	27-Aug
PX01	87	240	24.80	38.0	21.7	0.0	0.00	103.7	16.7	0.0	0.0	650	28-Aug
PX01	87	241	25.00	39.4	22.9	0.0	0.00	146.9	14.7	0.0	0.0	650	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX01	87	242	25.60	38.4	21.5	0.0	0.00	86.4	15.0	0.0	0.0	650	30-Aug
PX01	87	243	25.30	40.8	23.4	0.0	0.00	138.2	12.9	0.0	0.0	650	31-Aug
PX01	87	244	25.40	39.0	27.5	0.0	0.00	198.7	14.5	0.0	0.0	650	01-Sep
PX01	87	245	25.80	37.7	25.0	0.0	0.00	146.9	14.5	0.0	0.0	650	02-Sep
PX01	87	246	10.40	32.3	24.5	0.0	0.00	129.6	16.4	0.0	0.0	650	03-Sep
PX01	87	247	23.60	33.4	23.4	0.0	0.00	146.9	18.1	0.0	0.0	650	04-Sep
PX01	87	248	23.70	34.1	22.6	0.0	0.00	95.0	16.9	0.0	0.0	650	05-Sep
PX01	87	249	23.70	35.6	22.0	0.0	0.00	95.0	15.0	0.0	0.0	650	06-Sep
PX01	87	250	24.30	36.6	20.4	0.0	0.00	103.7	9.8	0.0	0.0	650	07-Sep
PX01	87	251	24.70	36.4	17.3	0.0	0.00	95.0	10.0	0.0	0.0	650	08-Sep
PX01	87	252	23.50	34.3	16.3	0.0	0.00	103.7	10.0	0.0	0.0	650	09-Sep
PX01	87	253	22.90	36.9	17.2	0.0	0.00	95.0	11.4	0.0	0.0	650	10-Sep
PX01	87	254	23.10	37.4	20.6	0.0	0.00	129.6	8.4	0.0	0.0	650	11-Sep
PX01	87	255	23.40	36.8	18.6	0.0	0.00	181.4	9.2	0.0	0.0	650	12-Sep
PX01	87	256	22.60	33.0	20.2	0.0	0.00	293.8	10.7	0.0	0.0	650	13-Sep
PX01	87	257	22.00	32.5	16.0	0.0	0.00	103.7	8.5	0.0	0.0	650	14-Sep
PX01	87	258	22.30	33.6	16.9	0.0	0.00	112.3	11.3	0.0	0.0	650	15-Sep
PX01	87	259	18.50	33.3	17.5	0.0	0.00	103.7	12.0	0.0	0.0	650	16-Sep
PX01	87	260	15.10	32.6	17.5	0.0	0.00	164.2	11.5	0.0	0.0	650	17-Sep
PX01	87	261	21.50	33.4	17.9	0.0	0.00	112.3	13.2	0.0	0.0	650	18-Sep
PX01	87	262	21.50	35.6	19.6	0.0	0.00	112.3	11.6	0.0	0.0	650	19-Sep
PX01	87	263	21.60	36.7	19.1	0.0	0.00	129.6	11.0	0.0	0.0	650	20-Sep
PX01	87	264	17.40	36.3	20.9	0.0	0.00	164.2	14.5	0.0	0.0	650	21-Sep
PX01	87	265	15.00	35.9	18.5	0.0	0.00	164.2	15.9	0.0	0.0	650	22-Sep
PX01	87	266	15.10	31.5	18.4	9.7	0.00	103.7	17.8	0.0	0.0	650	23-Sep
PX01	87	267	18.20	31.8	19.1	6.9	0.00	86.4	17.7	0.0	0.0	650	24-Sep
PX01	87	268	21.20	34.1	19.4	0.5	0.00	86.4	16.2	0.0	0.0	650	25-Sep
PX01	87	269	20.00	35.4	18.9	0.0	0.00	103.7	15.1	0.0	0.0	650	26-Sep
PX01	87	270	20.40	36.9	19.3	0.0	0.00	77.8	13.9	0.0	0.0	650	27-Sep
PX01	87	271	19.40	37.4	19.4	0.0	0.00	103.7	13.1	0.0	0.0	650	28-Sep
PX01	87	272	20.50	37.6	19.9	0.0	0.00	190.1	11.3	0.0	0.0	650	29-Sep
PX01	87	273	20.80	36.3	18.1	0.0	0.00	129.6	10.1	0.0	0.0	650	30-Sep
PX01	87	274	20.60	36.5	23.6	0.0	0.00	129.6	8.0	0.0	0.0	650	01-Oct
PX01	87	275	20.40	37.8	18.6	0.0	0.00	181.4	8.8	0.0	0.0	650	02-Oct
PX01	87	276	20.20	37.8	17.9	0.0	0.00	112.3	2.7	0.0	0.0	650	03-Oct
PX01	87	277	19.90	38.4	17.2	0.0	0.00	60.5	4.8	0.0	0.0	650	04-Oct
PX01	87	278	19.60	39.8	18.9	0.0	0.00	69.1	4.1	0.0	0.0	650	05-Oct
PX01	87	279	23.50	40.1	16.9	0.0	0.00	77.1	2.5	0.0	0.0	650	06-Oct
PX01	87	280	17.50	39.7	16.5	0.0	0.00	95.0	2.9	0.0	0.0	650	07-Oct
PX01	87	281	19.10	40.4	16.8	0.0	0.00	129.6	5.1	0.0	0.0	650	08-Oct
PX01	87	282	18.30	38.8	18.8	0.0	0.00	138.2	9.0	0.0	0.0	650	09-Oct
PX01	87	283	19.00	38.5	18.7	0.0	0.00	121.0	9.7	0.0	0.0	650	10-Oct

options (for PAR, WIND, DEWPT, STDAT & CO2)

INSTW	XLAT	XLONG	PARFAC	↓					CO2YR	WINDYR
PX14	33.40	112.00	2.30	0 1 1 0 1					650	0.0

INSTW	IYR JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	87 92	29.63	33.1	8.8	0.0	0.00	88.4	3.9	0.0	0.0	350	02-Apr
PX14	87 93	26.89	31.5	11.4	0.0	0.00	169.1	4.8	0.0	0.0	350	03-Apr
PX14	87 94	23.16	22.4	7.5	0.2	0.00	117.7	4.5	0.0	0.0	350	04-Apr
PX14	87 95	29.12	25.1	4.3	0.0	0.00	84.7	5.1	0.0	0.0	350	05-Apr
PX14	87 96	24.28	28.3	8.8	0.0	0.00	81.0	4.3	0.0	0.0	350	06-Apr
PX14	87 97	28.30	31.0	10.8	0.0	0.00	128.8	4.6	0.0	0.0	350	07-Apr
PX14	87 98	27.72	30.4	10.8	0.0	0.00	70.0	5.1	0.0	0.0	350	08-Apr
PX14	87 99	28.73	33.1	12.7	0.0	0.00	97.5	5.8	0.0	0.0	350	09-Apr
PX14	87 100	29.32	34.7	14.0	0.0	0.00	93.9	6.5	0.0	0.0	350	10-Apr
PX14	87 101	27.69	34.2	14.0	0.0	0.00	134.3	7.4	0.0	0.0	350	11-Apr
PX14	87 102	28.20	31.5	14.7	0.0	0.00	136.1	8.0	0.0	0.0	350	12-Apr
PX14	87 103	29.62	29.9	11.4	0.0	0.00	90.2	7.5	0.0	0.0	350	13-Apr
PX14	87 104	29.89	35.2	10.1	0.0	0.00	99.4	8.1	0.0	0.0	350	14-Apr
PX14	87 105	27.78	37.4	12.7	0.0	0.00	84.7	7.8	0.0	0.0	650	15-Apr
PX14	87 106	26.30	37.9	14.0	0.0	0.00	112.2	7.3	0.0	0.0	650	16-Apr
PX14	87 107	29.33	37.9	14.7	0.0	0.00	121.4	5.3	0.0	0.0	650	17-Apr
PX14	87 108	24.32	34.7	15.3	0.0	0.00	119.6	7.3	0.0	0.0	650	18-Apr
PX14	87 109	24.30	29.4	14.0	0.0	0.00	139.8	7.1	0.0	0.0	650	19-Apr
PX14	87 110	29.16	31.0	8.8	0.0	0.00	108.6	8.0	0.0	0.0	650	20-Apr
PX14	87 111	29.45	34.7	10.8	0.0	0.00	147.6	8.9	0.0	0.0	650	21-Apr
PX14	87 112	29.41	33.1	16.0	0.0	0.00	167.3	9.3	0.0	0.0	650	22-Apr
PX14	87 113	29.85	35.8	17.3	0.0	0.00	108.6	7.7	0.0	0.0	650	23-Apr
PX14	87 114	28.10	35.6	16.0	0.0	0.00	121.0	7.5	0.0	0.0	650	24-Apr
PX14	87 115	28.10	36.2	20.2	0.0	0.00	172.8	8.5	0.0	0.0	650	25-Apr
PX14	87 116	28.10	37.9	20.6	0.0	0.00	155.5	6.7	0.0	0.0	650	26-Apr
PX14	87 117	22.30	35.5	21.7	0.0	0.00	224.6	8.2	0.0	0.0	650	27-Apr
PX14	87 118	28.00	36.4	19.9	0.0	0.00	224.6	7.8	0.0	0.0	650	28-Apr
PX14	87 119	22.40	37.0	22.0	0.0	0.00	164.2	9.3	0.0	0.0	650	29-Apr
PX14	87 120	24.00	34.4	20.5	0.3	0.00	164.2	7.8	0.0	0.0	650	30-Apr
PX14	87 121	29.10	31.8	13.7	0.0	0.00	155.5	6.5	0.0	0.0	650	01-May
PX14	87 122	25.80	30.7	17.1	0.0	0.00	129.6	7.3	0.0	0.0	650	02-May
PX14	87 123	29.50	34.2	14.1	0.0	0.00	95.0	6.1	0.0	0.0	650	03-May
PX14	87 124	29.70	36.4	15.2	0.0	0.00	77.8	8.1	0.0	0.0	650	04-May
PX14	87 125	29.10	38.3	16.6	0.0	0.00	66.5	6.7	0.0	0.0	650	05-May
PX14	87 126	29.30	37.9	21.0	0.0	0.00	155.5	8.2	0.0	0.0	650	06-May
PX14	87 127	28.10	37.3	24.2	0.0	0.00	172.8	12.6	0.0	0.0	650	07-May
PX14	87 128	29.30	36.3	22.1	0.0	0.00	164.2	11.1	0.0	0.0	650	08-May
PX14	87 129	29.50	38.4	19.8	0.0	0.00	86.4	8.0	0.0	0.0	650	09-May
PX14	87 130	27.30	38.1	23.2	0.0	0.00	103.7	10.9	0.0	0.0	650	10-May
PX14	87 131	29.10	37.8	20.2	1.5	0.00	95.0	11.5	0.0	0.0	650	11-May
PX14	87 132	28.50	40.0	21.0	0.0	0.00	129.6	7.3	0.0	0.0	650	12-May
PX14	87 133	28.90	40.6	22.1	0.0	0.00	138.2	8.5	0.0	0.0	650	13-May
PX14	87 134	25.60	40.6	25.0	0.0	0.00	164.2	11.6	0.0	0.0	650	14-May
PX14	87 135	24.00	38.3	21.7	0.3	0.00	181.4	13.5	0.0	0.0	650	15-May
PX14	87 136	28.10	37.5	21.0	0.0	0.00	86.4	11.0	0.0	0.0	650	16-May
PX14	87 137	29.10	39.0	20.9	0.0	0.00	121.0	8.6	0.0	0.0	650	17-May

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	87	138	29.30	38.9	22.4	0.0	0.00	190.1	7.0	0.0	0.0	650	18-May
PX14	87	139	24.40	35.8	21.7	0.0	0.00	172.8	6.1	0.0	0.0	650	19-May
PX14	87	140	26.40	34.9	20.4	0.0	0.00	233.3	8.4	0.0	0.0	650	20-May
PX14	87	141	29.50	32.7	17.2	0.0	0.00	138.2	8.2	0.0	0.0	650	21-May
PX14	87	142	29.30	36.0	16.8	0.0	0.00	121.0	3.6	0.0	0.0	650	22-May
PX14	87	143	31.20	36.0	17.4	0.0	0.00	146.9	-0.5	0.0	0.0	650	23-May
PX14	87	144	28.30	34.9	17.1	0.0	0.00	129.6	0.4	0.0	0.0	650	24-May
PX14	87	145	23.10	33.4	17.6	0.0	0.00	198.7	1.9	0.0	0.0	650	25-May
PX14	87	146	30.10	28.8	13.4	0.0	0.00	164.2	1.1	0.0	0.0	650	26-May
PX14	87	147	29.90	30.7	13.5	0.0	0.00	112.3	1.9	0.0	0.0	650	27-May
PX14	87	148	30.10	33.4	16.5	0.0	0.00	121.0	2.5	0.0	0.0	650	28-May
PX14	87	149	30.40	35.2	17.3	0.0	0.00	121.0	5.1	0.0	0.0	650	29-May
PX14	87	150	30.80	37.5	18.1	0.0	0.00	103.7	3.9	0.0	0.0	650	30-May
PX14	87	151	31.40	39.2	19.3	0.0	0.00	129.6	4.5	0.0	0.0	650	31-May
PX14	87	152	31.40	40.6	22.0	0.5	0.00	172.8	5.1	0.0	0.0	650	01-Jun
PX14	87	153	31.00	41.3	21.7	0.0	0.00	121.0	7.4	0.0	0.0	650	02-Jun
PX14	87	154	28.70	42.7	21.4	0.0	0.00	95.0	6.8	0.0	0.0	650	03-Jun
PX14	87	155	28.50	39.7	26.6	0.0	0.00	224.6	10.4	0.0	0.0	650	04-Jun
PX14	87	156	19.60	39.3	25.6	0.0	0.00	181.4	10.5	0.0	0.0	650	05-Jun
PX14	87	157	30.80	35.4	23.9	1.8	0.00	129.6	16.0	0.0	0.0	650	06-Jun
PX14	87	158	31.20	41.0	23.9	0.0	0.00	164.2	13.0	0.0	0.0	650	07-Jun
PX14	87	159	31.60	41.3	23.5	0.0	0.00	146.8	9.4	0.0	0.0	650	08-Jun
PX14	87	160	32.00	39.8	23.1	0.0	0.00	112.3	11.4	0.0	0.0	650	09-Jun
PX14	87	161	32.00	40.8	22.1	0.0	0.00	112.3	7.8	0.0	0.0	650	10-Jun
PX14	87	162	30.40	40.8	21.6	0.0	0.00	95.0	6.5	0.0	0.0	650	11-Jun
PX14	87	163	30.10	41.0	25.7	0.0	0.00	77.8	9.9	0.0	0.0	650	12-Jun
PX14	87	164	29.90	43.7	24.9	0.0	0.00	25.9	8.8	0.0	0.0	650	13-Jun
PX14	87	165	30.40	45.4	26.7	0.0	0.00	86.4	8.6	0.0	0.0	650	14-Jun
PX14	87	166	32.00	42.5	26.6	0.0	0.00	129.6	5.0	0.0	0.0	650	15-Jun
PX14	87	167	31.20	39.1	21.4	0.0	0.00	43.2	3.6	0.0	0.0	650	16-Jun
PX14	87	168	32.00	39.8	21.1	0.0	0.00	43.2	5.3	0.0	0.0	650	17-Jun
PX14	87	169	32.20	39.0	21.7	0.0	0.00	103.7	4.1	0.0	0.0	650	18-Jun
PX14	87	170	30.10	37.1	19.5	0.0	0.00	17.3	5.1	0.0	0.0	650	19-Jun
PX14	87	171	28.30	37.3	19.6	0.0	0.00	25.9	5.9	0.0	0.0	650	20-Jun
PX14	87	172	32.00	38.0	19.4	0.0	0.00	60.5	6.4	0.0	0.0	650	21-Jun
PX14	87	173	32.00	37.8	21.5	0.0	0.00	51.8	7.8	0.0	0.0	650	22-Jun
PX14	87	174	31.00	38.0	21.9	0.0	0.00	34.6	10.9	0.0	0.0	650	23-Jun
PX14	87	175	30.10	38.4	23.0	0.0	0.00	34.6	12.9	0.0	0.0	650	24-Jun
PX14	87	176	16.50	38.1	24.2	0.0	0.00	8.6	14.3	0.0	0.0	650	25-Jun
PX14	87	177	30.60	40.7	24.0	0.0	0.00	34.6	14.0	0.0	0.0	650	26-Jun
PX14	87	178	31.00	40.2	24.9	0.0	0.00	43.2	12.4	0.0	0.0	650	27-Jun
PX14	87	179	31.40	40.8	24.7	0.0	0.00	77.8	5.4	0.0	0.0	650	28-Jun
PX14	87	180	31.60	39.3	23.6	0.0	0.00	95.0	4.5	0.0	0.0	650	29-Jun
PX14	87	181	31.20	39.6	21.4	0.0	0.00	146.9	4.3	0.0	0.0	650	30-Jun
PX14	87	182	27.90	37.3	22.6	0.0	0.00	103.7	4.3	0.0	0.0	650	01-Jul
PX14	87	183	31.60	38.1	18.9	0.0	0.00	103.7	6.8	0.0	0.0	650	02-Jul
PX14	87	184	31.40	38.1	20.7	0.0	0.00	103.7	8.0	0.0	0.0	650	03-Jul
PX14	87	185	32.40	38.5	20.8	1.3	0.00	155.5	6.2	0.0	0.0	650	04-Jul
PX14	87	186	32.20	39.2	20.7	0.0	0.00	138.2	6.4	0.0	0.0	650	05-Jul
PX14	87	187	31.20	39.9	22.1	0.0	0.00	112.3	6.2	0.0	0.0	650	06-Jul
PX14	87	188	23.90	39.0	21.8	0.0	0.00	112.3	9.4	0.0	0.0	650	07-Jul
PX14	87	189	20.50	39.4	21.9	0.0	0.00	129.6	9.3	0.0	0.0	650	08-Jul

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	87	190	19.70	39.7	21.9	0.0	0.00	241.9	9.2	0.0	0.0	650	09-Jul
PX14	87	191	27.90	38.9	22.1	0.0	0.00	172.8	10.4	0.0	0.0	650	10-Jul
PX14	87	192	31.00	39.8	21.6	0.0	0.00	129.6	9.8	0.0	0.0	650	11-Jul
PX14	87	193	28.90	40.6	22.5	0.0	0.00	103.7	10.4	0.0	0.0	650	12-Jul
PX14	87	194	29.70	43.1	24.0	0.0	0.00	103.7	8.4	0.0	0.0	650	13-Jul
PX14	87	195	27.50	41.9	25.9	0.0	0.00	207.4	12.0	0.0	0.0	650	14-Jul
PX14	87	196	23.70	38.2	27.4	0.0	0.00	181.4	16.7	0.0	0.0	650	15-Jul
PX14	87	197	16.10	35.2	25.0	0.0	0.00	198.7	10.9	0.0	0.0	650	16-Jul
PX14	87	198	30.60	38.0	21.5	0.0	0.00	302.4	13.0	0.0	0.0	650	17-Jul
PX14	87	199	27.50	36.8	22.7	0.0	0.00	207.4	13.0	0.0	0.0	650	18-Jul
PX14	87	200	30.10	39.2	21.2	0.0	0.00	146.9	9.7	0.0	0.0	650	19-Jul
PX14	87	201	26.40	41.8	27.0	0.0	0.00	155.5	15.8	0.0	0.0	650	20-Jul
PX14	87	202	21.10	41.3	23.4	15.2	0.00	233.3	14.0	0.0	0.0	650	21-Jul
PX14	87	203	29.50	38.9	18.6	0.0	0.00	121.0	8.4	0.0	0.0	650	22-Jul
PX14	87	204	30.10	40.7	20.0	0.0	0.00	112.3	7.0	0.0	0.0	650	23-Jul
PX14	87	205	27.70	42.0	23.4	0.0	0.00	138.2	8.4	0.0	0.0	650	24-Jul
PX14	87	206	23.50	43.3	30.5	0.0	0.00	155.5	15.0	0.0	0.0	650	25-Jul
PX14	87	207	26.00	43.9	25.8	0.0	0.00	198.7	9.7	0.0	0.0	650	26-Jul
PX14	87	208	23.10	37.9	25.2	11.9	0.00	190.1	7.0	0.0	0.0	650	27-Jul
PX14	87	209	21.70	35.7	24.7	1.3	0.00	121.0	20.4	0.0	0.0	650	28-Jul
PX14	87	210	23.50	38.3	25.4	0.0	0.00	129.6	19.0	0.0	0.0	650	29-Jul
PX14	87	211	28.50	38.8	26.5	0.0	0.00	198.7	19.0	0.0	0.0	650	30-Jul
PX14	87	212	21.70	38.9	23.3	0.0	0.00	129.6	21.1	0.0	0.0	650	31-Jul
PX14	87	213	27.50	36.6	25.3	18.0	0.00	172.8	21.7	0.0	0.0	650	01-Aug
PX14	87	214	28.40	39.1	28.3	0.0	0.00	224.6	21.1	0.0	0.0	650	02-Aug
PX14	87	215	25.90	39.0	26.2	0.0	0.00	121.0	20.4	0.0	0.0	650	03-Aug
PX14	87	216	27.80	39.3	24.2	0.0	0.00	172.8	20.4	0.0	0.0	650	04-Aug
PX14	87	217	27.20	36.2	24.2	12.7	0.00	121.0	22.3	0.0	0.0	650	05-Aug
PX14	87	218	23.30	37.2	26.9	0.0	0.00	146.9	22.3	0.0	0.0	650	06-Aug
PX14	87	219	25.40	39.8	27.6	0.0	0.00	138.2	18.3	0.0	0.0	650	07-Aug
PX14	87	220	27.50	40.4	26.2	0.0	0.00	112.3	16.7	0.0	0.0	650	08-Aug
PX14	87	221	19.40	38.1	27.2	0.0	0.00	129.6	17.5	0.0	0.0	650	09-Aug
PX14	87	222	24.40	39.8	24.9	0.0	0.00	164.2	18.3	0.0	0.0	650	10-Aug
PX14	87	223	12.50	30.1	23.0	7.9	0.00	95.0	21.7	0.0	0.0	650	11-Aug
PX14	87	224	27.30	37.0	24.2	0.0	0.00	146.9	19.7	0.0	0.0	650	12-Aug
PX14	87	225	28.00	38.5	24.2	0.0	0.00	129.6	15.8	0.0	0.0	650	13-Aug
PX14	87	226	28.30	38.5	24.7	0.0	0.00	285.1	13.0	0.0	0.0	650	14-Aug
PX14	87	227	28.80	38.0	22.0	0.0	0.00	181.4	10.9	0.0	0.0	650	15-Aug
PX14	87	228	28.10	38.9	20.4	0.0	0.00	112.3	8.4	0.0	0.0	650	16-Aug
PX14	87	229	27.80	40.5	20.1	0.0	0.00	95.0	9.7	0.0	0.0	650	17-Aug
PX14	87	230	27.40	41.2	21.9	0.0	0.00	103.7	12.0	0.0	0.0	650	18-Aug
PX14	87	231	25.90	38.3	25.4	0.0	0.00	129.6	15.0	0.0	0.0	650	19-Aug
PX14	87	232	26.00	39.8	29.1	0.0	0.00	155.5	17.5	0.0	0.0	650	20-Aug
PX14	87	233	24.90	39.4	26.9	0.0	0.00	146.9	17.5	0.0	0.0	650	21-Aug
PX14	87	234	24.80	37.6	27.4	0.0	0.00	181.4	19.0	0.0	0.0	650	22-Aug
PX14	87	235	17.80	33.6	23.8	3.6	0.00	121.0	19.7	0.0	0.0	650	23-Aug
PX14	87	236	19.40	36.7	23.9	3.0	0.00	224.6	19.0	0.0	0.0	650	24-Aug
PX14	87	237	21.60	34.1	21.3	21.1	0.00	138.2	19.0	0.0	0.0	650	25-Aug
PX14	87	238	25.60	33.5	20.9	0.0	0.00	172.8	15.8	0.0	0.0	650	26-Aug
PX14	87	239	25.70	34.8	20.1	0.0	0.00	95.0	15.0	0.0	0.0	650	27-Aug
PX14	87	240	24.80	37.3	21.9	0.0	0.00	103.7	14.0	0.0	0.0	650	28-Aug
PX14	87	241	25.00	39.0	23.3	0.0	0.00	146.9	14.0	0.0	0.0	650	29-Aug

INSTW	IYR	JUL	SOLRAD	XTMAX	XTMIN	XRAIN	XPAR	WIND	DEWPT	STMAX	STMIN	CO2	A00
PX14	87	242	25.60	38.7	22.3	0.0	0.00	86.4	14.0	0.0	0.0	650	30-Aug
PX14	87	243	25.30	40.9	23.9	0.0	0.00	138.2	12.0	0.0	0.0	650	31-Aug
PX14	87	244	25.40	38.8	27.7	0.0	0.00	198.7	13.0	0.0	0.0	650	01-Sep
PX14	87	245	25.80	37.7	24.5	0.0	0.00	146.9	12.0	0.0	0.0	650	02-Sep
PX14	87	246	10.40	32.6	24.9	0.0	0.00	129.6	15.8	0.0	0.0	650	03-Sep
PX14	87	247	23.60	33.6	23.9	0.0	0.00	146.9	17.5	0.0	0.0	650	04-Sep
PX14	87	248	23.70	34.6	23.2	0.0	0.00	95.0	16.7	0.0	0.0	650	05-Sep
PX14	87	249	23.70	36.0	22.6	0.0	0.00	95.0	15.8	0.0	0.0	650	06-Sep
PX14	87	250	24.30	37.0	20.9	0.0	0.00	103.7	12.0	0.0	0.0	650	07-Sep
PX14	87	251	24.70	36.3	18.0	0.0	0.00	95.0	9.7	0.0	0.0	650	08-Sep
PX14	87	252	23.50	36.1	17.9	0.0	0.00	103.7	8.4	0.0	0.0	650	09-Sep
PX14	87	253	22.90	37.1	19.2	0.0	0.00	95.0	8.4	0.0	0.0	650	10-Sep
PX14	87	254	23.10	37.7	20.6	0.0	0.00	129.6	8.4	0.0	0.0	650	11-Sep
PX14	87	255	23.40	36.4	20.0	0.0	0.00	181.4	8.4	0.0	0.0	650	12-Sep
PX14	87	256	22.60	33.3	21.4	0.0	0.00	293.8	9.7	0.0	0.0	650	13-Sep
PX14	87	257	22.00	32.2	17.5	0.0	0.00	103.7	8.4	0.0	0.0	650	14-Sep
PX14	87	258	22.30	33.8	18.2	0.0	0.00	112.3	10.9	0.0	0.0	650	15-Sep
PX14	87	259	18.50	34.0	19.4	0.0	0.00	103.7	10.9	0.0	0.0	650	16-Sep
PX14	87	260	15.10	32.9	19.5	0.0	0.00	164.2	9.7	0.0	0.0	650	17-Sep
PX14	87	261	21.50	33.8	19.2	0.0	0.00	112.3	12.0	0.0	0.0	650	18-Sep
PX14	87	262	21.50	36.1	20.5	0.0	0.00	112.3	9.7	0.0	0.0	650	19-Sep
PX14	87	263	21.60	37.2	20.1	0.0	0.00	129.6	9.7	0.0	0.0	650	20-Sep
PX14	87	264	17.40	35.9	21.6	0.0	0.00	164.2	14.0	0.0	0.0	650	21-Sep
PX14	87	265	15.00	36.5	20.4	0.0	0.00	164.2	15.0	0.0	0.0	650	22-Sep
PX14	87	266	15.10	32.4	18.8	9.7	0.00	103.7	16.7	0.0	0.0	650	23-Sep
PX14	87	267	18.20	34.0	19.6	6.9	0.00	86.4	15.0	0.0	0.0	650	24-Sep
PX14	87	268	21.20	35.2	19.0	0.5	0.00	86.4	15.0	0.0	0.0	650	25-Sep
PX14	87	269	20.00	36.3	19.8	0.0	0.00	103.7	14.0	0.0	0.0	650	26-Sep
PX14	87	270	20.40	37.8	20.1	0.0	0.00	77.8	13.0	0.0	0.0	650	27-Sep
PX14	87	271	19.40	38.0	19.8	0.0	0.00	103.7	12.0	0.0	0.0	650	28-Sep
PX14	87	272	20.50	39.4	21.3	0.0	0.00	190.1	9.7	0.0	0.0	650	29-Sep
PX14	87	273	20.80	36.9	19.8	0.0	0.00	129.6	9.7	0.0	0.0	650	30-Sep
PX14	87	274	20.60	37.4	24.2	0.0	0.00	129.6	7.0	0.0	0.0	650	01-Oct
PX14	87	275	20.40	38.7	20.2	0.0	0.00	181.4	8.4	0.0	0.0	650	02-Oct
PX14	87	276	20.20	37.6	19.1	0.0	0.00	112.3	1.9	0.0	0.0	650	03-Oct
PX14	87	277	19.90	38.4	18.0	0.0	0.00	60.5	3.8	0.0	0.0	650	04-Oct
PX14	87	278	19.60	39.7	19.9	0.0	0.00	69.1	3.8	0.0	0.0	650	05-Oct
PX14	87	279	23.50	40.3	18.2	0.0	0.00	77.1	1.9	0.0	0.0	650	06-Oct
PX14	87	280	17.50	39.5	17.5	0.0	0.00	95.0	1.9	0.0	0.0	650	07-Oct
PX14	87	281	19.10	39.2	17.7	0.0	0.00	129.6	5.4	0.0	0.0	650	08-Oct
PX14	87	282	18.30	37.8	19.4	0.0	0.00	138.2	9.7	0.0	0.0	650	09-Oct
PX14	87	283	19.00	37.0	19.5	0.0	0.00	121.0	9.7	0.0	0.0	650	10-Oct

SOIL PROFILE PROPERTIES FOR AVONDALE LOAM
(ALL PLOTS EXCEPT LYSIMETERS & GRAVEL LAYER)

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.172	0.298	0.379	0.298	0.100	1.47	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK	SAND	SILT	CLAY	SCOND CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0 287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0 287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0 305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0 321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2 333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3 338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3 335.0	3.380	1.184	0.376	0.042
0.0	36.2	35.1	28.8	7.3 385.0	3.380	1.184	0.379	0.042
0.0	29.4	37.5	33.0	7.3 441.0	3.380	1.184	0.381	0.043
0.0	29.4	37.5	33.0	7.3 441.0	3.380	1.184	0.381	0.043

DATAID
AVONDALE LOAM (FINE-LOAMY, MIXED (CALCAREOUS), HYPERTHERMIC.

LYRSOL
1

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.19E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM	GH2OC
6	0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM	GH2OC
6	0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM	GH2OC
6	0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

IDUMSL	PEDON	TAXON
01	-9	AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

SALB	U	SWCON	CN2	TAV	AMP	DMOD	SWCON1	SWCON2	SWCON3	RWUMX	PHFAC3
0.14	12.00	0.32	80.00	21.8	22.2	1.0	2.67E-03	58.0	6.68	0.03	1.00

DLAYR	LL	DUL	SAT	DSW	WR	BD	OC	DNH4	DNO3	DPH
5.	0.152	0.272	0.370	0.272	1.000	1.45	0.45	0.0	20.0	7.7
5.	0.153	0.272	0.360	0.272	0.861	1.50	0.45	0.0	20.0	7.7
10.	0.159	0.279	0.360	0.279	0.741	1.52	0.45	0.0	20.0	7.7
10.	0.164	0.285	0.365	0.285	0.607	1.51	0.45	0.0	16.0	7.7
20.	0.164	0.288	0.369	0.288	0.449	1.50	0.30	0.0	13.0	8.0
20.	0.163	0.289	0.372	0.289	0.301	1.48	0.20	0.0	10.0	8.0
30.	0.159	0.285	0.371	0.285	0.183	1.48	0.10	0.0	10.0	8.0
30.	0.086	0.149	0.190	0.149	0.050	2.10	0.00	0.0	5.0	8.0
30.	0.189	0.316	0.390	0.316	0.055	1.46	0.00	0.0	10.0	8.0
30.	0.189	0.316	0.390	0.316	0.030	1.46	0.00	0.0	10.0	8.0
-1.										

ROCK	SAND	SILT	CLAY	SCOND	CATEXC	ALPHA	XN	VGTHS	VGTHR
0.0	34.6	43.9	21.5	20.0	287.0	3.380	1.184	0.384	0.043
0.0	34.6	43.9	21.5	15.0	287.0	3.380	1.184	0.371	0.042
0.0	31.4	45.9	22.8	10.0	305.0	3.380	1.184	0.366	0.041
0.0	28.1	47.9	24.0	7.0	321.0	3.380	1.184	0.369	0.041
0.0	27.4	47.7	24.9	7.2	333.0	3.380	1.184	0.371	0.042
0.0	29.1	45.7	25.3	7.3	338.0	3.380	1.184	0.376	0.042
0.0	34.4	40.6	25.1	7.3	335.0	3.380	1.184	0.376	0.042
50.0	18.1	17.6	14.4	3.7	193.0	3.380	1.184	0.190	0.021
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043
0.0	29.4	37.5	33.0	7.3	441.0	3.380	1.184	0.381	0.043

DATAID
AVONDALE LOAM WITH GRAVEL FROM 100-130 CM DEEP.

LYRSOL
3

DIFFO	THETAO	BETA	GLAYR	THETAS	FC	THETAR	AIRDR	ETA	GBD	PSIBUB
0.18E-08	0.145	34.0	0.10E+03	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.09E-08	0.072	34.0	0.30E+02	0.22	0.13	0.11	0.015	2.90	2.10	1.00
0.18E-08	0.145	34.0	0.60E+02	0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00
0.18E-08	0.145	34.0		0.45	0.26	0.23	0.03	2.90	1.49	1.00

TD	THETAI	BDSLOP	BDRATO	PSISFC
47	0.240	0.00	1.00	33.0

SNAME
Norfolk silt loam

NCURVE
7

INRIM	GH2OC
6	0.05

TSTBD	TSTIMP
0.9	0.1
1.1	5.4
1.3	16.2
1.5	36.0
1.7	62.0
1.9	93.0

INRIM	GH2OC
6	0.07

TSTBD	TSTIMP
0.9	0.1
1.1	2.5
1.3	7.8
1.5	22.6
1.7	44.5
1.9	71.3

INRIM	GH2OC
6	0.09

TSTBD	TSTIMP
0.9	0.1
1.1	1.0
1.3	2.3
1.5	12.8
1.7	30.4
1.9	52.6

INRIM	GH2OC
6	0.11

TSTBD	TSTIMP
0.9	0.1
1.1	0.9
1.3	1.7
1.5	7.5
1.7	21.5
1.9	31.2

INRIM	GH2OC
6	0.13

TSTBD	TSTIMP
0.9	0.1
1.1	0.5
1.3	1.0
1.5	5.6
1.7	15.2
1.9	29.8

INRIM	GH2OC
6	0.15

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	4.9
1.7	13.9
1.9	27.7

INRIM	GH2OC
6	0.30

TSTBD	TSTIMP
0.9	0.1
1.1	0.2
1.3	0.5
1.5	0.9
1.7	1.1
1.9	1.3

FILENAME: PX078701.CT4   SOIL ORGANIC RESIDUE   (ALL PLOTS)

ID	TRTNO	STRAW	SDEP	SCN	ROOT
PX078701	01	240.	20.	20.	480.

FILENAME: PX078701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                              (AMBIENT, DRY, N-, REP #1)

TRTNO	ID
01	PX078701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	8.6	7.7
5.	0.160	0.0	8.6	7.7
10.	0.170	0.0	7.4	7.7
10.	0.180	0.0	6.1	7.7
20.	0.200	0.0	3.4	8.0
20.	0.200	0.0	3.4	8.0
30.	0.200	0.0	3.4	8.0
30.	0.210	0.0	3.4	8.0
30.	0.220	0.0	3.4	8.0
30.	0.230	0.0	3.4	8.0
-1.				

FILENAME: PX098701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                              (AMBIENT, DRY, N-, REP #2)

TRTNO	ID
01	PX098701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	5.4	7.7
5.	0.160	0.0	5.4	7.7
10.	0.170	0.0	4.6	7.7
10.	0.180	0.0	3.8	7.7
20.	0.200	0.0	2.9	8.0
20.	0.200	0.0	2.9	8.0
30.	0.200	0.0	2.9	8.0
30.	0.210	0.0	2.9	8.0
30.	0.220	0.0	2.9	8.0
30.	0.230	0.0	2.9	8.0
-1.				

FILENAME: PX088701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                           (AMBIENT, DRY, N+, REP #1)

TRTNO   ID
01 PX088701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	5.2	7.7
5.	0.160	0.0	5.2	7.7
10.	0.170	0.0	5.4	7.7
10.	0.180	0.0	5.6	7.7
20.	0.200	0.0	5.4	8.0
20.	0.200	0.0	5.4	8.0
30.	0.200	0.0	5.4	8.0
30.	0.210	0.0	5.4	8.0
30.	0.220	0.0	5.4	8.0
30.	0.230	0.0	5.4	8.0
-1.				

FILENAME: PX108701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                           (AMBIENT, DRY, N+, REP #2)

TRTNO   ID
01 PX108701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	2.7	7.7
5.	0.160	0.0	2.7	7.7
10.	0.170	0.0	2.8	7.7
10.	0.180	0.0	2.9	7.7
20.	0.200	0.0	2.0	8.0
20.	0.200	0.0	2.0	8.0
30.	0.200	0.0	2.0	8.0
30.	0.210	0.0	2.0	8.0
30.	0.220	0.0	2.0	8.0
30.	0.230	0.0	2.0	8.0
-1.				

FILENAME: PX028701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                                (AMBIENT, WET, N-, REP #1)
TRTNO   ID
01 PX028701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	2.7	7.7
5.	0.160	0.0	2.7	7.7
10.	0.170	0.0	3.4	7.7
10.	0.180	0.0	4.1	7.7
20.	0.200	0.0	3.2	8.0
20.	0.200	0.0	3.2	8.0
30.	0.200	0.0	3.2	8.0
30.	0.210	0.0	3.2	8.0
30.	0.220	0.0	3.2	8.0
30.	0.230	0.0	3.2	8.0
-1.				

FILENAME: PX168701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                                (AMBIENT, WET, N-, REP #2)
TRTNO   ID
01 PX168701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	1.1	7.7
5.	0.160	0.0	1.1	7.7
10.	0.170	0.0	1.3	7.7
10.	0.180	0.0	1.4	7.7
20.	0.200	0.0	1.8	8.0
20.	0.200	0.0	1.8	8.0
30.	0.200	0.0	1.8	8.0
30.	0.100	0.0	0.9	8.0
30.	0.220	0.0	1.8	8.0
30.	0.230	0.0	1.8	8.0
-1.				

FILENAME: PX038701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                          (AMBIENT, WET, N+, REP #1)

TRTNO ID
01 PX038701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	2.7	7.7
5.	0.160	0.0	2.7	7.7
10.	0.170	0.0	3.0	7.7
10.	0.180	0.0	3.2	7.7
20.	0.200	0.0	1.8	8.0
20.	0.200	0.0	1.8	8.0
30.	0.200	0.0	1.8	8.0
30.	0.210	0.0	1.8	8.0
30.	0.220	0.0	1.8	8.0
30.	0.230	0.0	1.8	8.0
-1.				

FILENAME: PX158701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                          (AMBIENT, WET, N+, REP #2)

TRTNO   ID
01 PX158701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	1.8	7.7
5.	0.160	0.0	1.8	7.7
10.	0.170	0.0	1.8	7.7
10.	0.180	0.0	1.8	7.7
20.	0.200	0.0	2.3	8.0
20.	0.200	0.0	2.3	8.0
30.	0.200	0.0	2.3	8.0
30.	0.100	0.0	1.2	8.0
30.	0.220	0.0	2.3	8.0
30.	0.230	0.0	2.3	8.0
-1.				

FILENAME: PX058701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                          (CO2=650, DRY, N-, REP #1)

TRTNO   ID
01 PX058701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	1.8	7.7
5.	0.160	0.0	1.8	7.7
10.	0.170	0.0	2.6	7.7
10.	0.180	0.0	3.4	7.7
20.	0.200	0.0	3.2	8.0
20.	0.200	0.0	3.2	8.0
30.	0.200	0.0	3.2	8.0
30.	0.210	0.0	3.2	8.0
30.	0.220	0.0	3.2	8.0
30.	0.230	0.0	3.2	8.0
-1.				

FILENAME: PX118701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                          (CO2=650, DRY, N-, REP #2)

TRTNO   ID
01 PX118701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	2.3	7.7
5.	0.160	0.0	2.3	7.7
10.	0.170	0.0	2.5	7.7
10.	0.180	0.0	2.7	7.7
20.	0.200	0.0	2.9	8.0
20.	0.200	0.0	2.9	8.0
30.	0.200	0.0	2.9	8.0
30.	0.210	0.0	2.9	8.0
30.	0.220	0.0	2.9	8.0
30.	0.230	0.0	2.9	8.0
-1.				

FILENAME: PX068701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
(CO2=650, DRY, N+, REP #1)

TRTNO   ID
01 PX068701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	7.9	7.7
5.	0.160	0.0	7.9	7.7
10.	0.170	0.0	7.0	7.7
10.	0.180	0.0	6.1	7.7
20.	0.200	0.0	2.7	8.0
20.	0.200	0.0	2.7	8.0
30.	0.200	0.0	2.7	8.0
30.	0.210	0.0	2.7	8.0
30.	0.220	0.0	2.7	8.0
30.	0.230	0.0	2.7	8.0
-1.				

FILENAME: PX128701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
(CO2=650, DRY, N+, REP #2)

TRTNO   ID
01 PX128701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	4.1	7.7
5.	0.160	0.0	4.1	7.7
10.	0.170	0.0	4.2	7.7
10.	0.180	0.0	4.3	7.7
20.	0.200	0.0	3.2	8.0
20.	0.200	0.0	3.2	8.0
30.	0.200	0.0	3.2	8.0
30.	0.210	0.0	3.2	8.0
30.	0.220	0.0	3.2	8.0
30.	0.230	0.0	3.2	8.0
-1.				

FILENAME: PX048701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                          (CO2=650, WET, N-, REP #1)

TRTNO   ID
01 PX048701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	1.4	7.7
5.	0.160	0.0	1.4	7.7
10.	0.170	0.0	1.7	7.7
10.	0.180	0.0	2.0	7.7
20.	0.200	0.0	2.0	8.0
20.	0.200	0.0	2.0	8.0
30.	0.200	0.0	2.0	8.0
30.	0.210	0.0	2.0	8.0
30.	0.220	0.0	2.0	8.0
30.	0.230	0.0	2.0	8.0
-1.				

FILENAME: PX138701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
                          (CO2=650, WET, N-, REP #2)

TRTNO   ID
01 PX138701

	SW		NO3	
DLAYR		NH4		PH
5.	0.150	0.0	1.8	7.7
5.	0.160	0.0	1.8	7.7
10.	0.170	0.0	1.8	7.7
10.	0.180	0.0	1.8	7.7
20.	0.200	0.0	1.4	8.0
20.	0.200	0.0	1.4	8.0
30.	0.200	0.0	1.4	8.0
30.	0.100	0.0	0.7	8.0
30.	0.220	0.0	1.4	8.0
30.	0.230	0.0	1.4	8.0
-1.				

FILENAME: PX018701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
(CO2=650, WET, N+, REP #1)

TRTNO   ID
01 PX018701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	2.0	7.7
5.	0.160	0.0	2.0	7.7
10.	0.170	0.0	1.5	7.7
10.	0.180	0.0	0.9	7.7
20.	0.200	0.0	1.4	8.0
20.	0.200	0.0	1.4	8.0
30.	0.200	0.0	1.4	8.0
30.	0.210	0.0	1.4	8.0
30.	0.220	0.0	1.4	8.0
30.	0.230	0.0	1.4	8.0
-1.				

FILENAME: PX148701.CT5   INITIAL SOIL PROFILE CONDITIONS FOR AVONDALE
(CO2=650, WET, N+, REP #2)

TRTNO   ID
01 PX148701

DLAYR	SW	NH4	NO3	PH
5.	0.150	0.0	2.5	7.7
5.	0.160	0.0	2.5	7.7
10.	0.170	0.0	2.2	7.7
10.	0.180	0.0	1.8	7.7
20.	0.200	0.0	1.1	8.0
20.	0.200	0.0	1.1	8.0
30.	0.200	0.0	1.1	8.0
30.	0.100	0.0	0.6	8.0
30.	0.220	0.0	1.1	8.0
30.	0.230	0.0	1.1	8.0
-1.				

FILENAME: PX078701.CT6   IRRIGATION FOR DRY, N- (PLOTS 05,07,09,&11)

TRTNO   ID
01 PX078701

JDIRR	AMTIRR	IRRCOD	X1IRR Z1IRR	X2IRR Z2IRR	
106	115.	5	0.0	0.0	1.0	0.0
113	15.	5	0.0	0.0	1.0	0.0
120	17.	5	0.0	0.0	1.0	0.0
125	13.	5	0.0	0.0	1.0	0.0
128	36.	5	0.0	0.0	1.0	0.0
146	6.	5	0.0	0.0	1.0	0.0
153	10.	5	0.0	0.0	1.0	0.0
160	20.	5	0.0	0.0	1.0	0.0
167	46.	5	0.0	0.0	1.0	0.0
174	35.	5	0.0	0.0	1.0	0.0
181	18.	5	0.0	0.0	1.0	0.0
188	38.	5	0.0	0.0	1.0	0.0
195	52.	5	0.0	0.0	1.0	0.0
202	40.	5	0.0	0.0	1.0	0.0
209	36.	5	0.0	0.0	1.0	0.0
216	22.	5	0.0	0.0	1.0	0.0
223	23.	5	0.0	0.0	1.0	0.0
230	48.	5	0.0	0.0	1.0	0.0
237	24.	5	0.0	0.0	1.0	0.0
244	44.	5	0.0	0.0	1.0	0.0
251	50.	5	0.0	0.0	1.0	0.0
258	44.	5	0.0	0.0	1.0	0.0
265	38.	5	0.0	0.0	1.0	0.0
273	40.	5	0.0	0.0	1.0	0.0
-1						

TRTNO   ID
01 PX088701

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
106	137.	5	0.0	0.0	1.0	0.0
113	17.	5	0.0	0.0	1.0	0.0
120	20.	5	0.0	0.0	1.0	0.0
125	16.	5	0.0	0.0	1.0	0.0
128	41.	5	0.0	0.0	1.0	0.0
146	7.	5	0.0	0.0	1.0	0.0
153	8.	5	0.0	0.0	1.0	0.0
160	22.	5	0.0	0.0	1.0	0.0
167	35.	5	0.0	0.0	1.0	0.0
174	27.	5	0.0	0.0	1.0	0.0
181	38.	5	0.0	0.0	1.0	0.0
188	39.	5	0.0	0.0	1.0	0.0
195	51.	5	0.0	0.0	1.0	0.0
202	47.	5	0.0	0.0	1.0	0.0
209	31.	5	0.0	0.0	1.0	0.0
216	20.	5	0.0	0.0	1.0	0.0
223	49.	5	0.0	0.0	1.0	0.0
230	32.	5	0.0	0.0	1.0	0.0
237	10.	5	0.0	0.0	1.0	0.0
244	55.	5	0.0	0.0	1.0	0.0
251	46.	5	0.0	0.0	1.0	0.0
258	43.	5	0.0	0.0	1.0	0.0
265	36.	5	0.0	0.0	1.0	0.0
273	40.	5	0.0	0.0	1.0	0.0
-1						

TRTNO   ID
01 PX028701

JDIRR	AMTIRR	IRRCOD	X1IRR Z1IRR	X2IRR Z2IRR		
106	89.	5	0.0	0.0	1.0	0.0
113	12.	5	0.0	0.0	1.0	0.0
120	14.	5	0.0	0.0	1.0	0.0
125	10.	5	0.0	0.0	1.0	0.0
128	28.	5	0.0	0.0	1.0	0.0
146	8.	5	0.0	0.0	1.0	0.0
153	13.	5	0.0	0.0	1.0	0.0
160	35.	5	0.0	0.0	1.0	0.0
167	70.	5	0.0	0.0	1.0	0.0
174	74.	5	0.0	0.0	1.0	0.0
181	23.	5	0.0	0.0	1.0	0.0
188	68.	5	0.0	0.0	1.0	0.0
195	69.	5	0.0	0.0	1.0	0.0
202	69.	5	0.0	0.0	1.0	0.0
209	57.	5	0.0	0.0	1.0	0.0
216	45.	5	0.0	0.0	1.0	0.0
223	42.	5	0.0	0.0	1.0	0.0
230	68.	5	0.0	0.0	1.0	0.0
237	55.	5	0.0	0.0	1.0	0.0
244	62.	5	0.0	0.0	1.0	0.0
251	84.	5	0.0	0.0	1.0	0.0
258	59.	5	0.0	0.0	1.0	0.0
265	60.	5	0.0	0.0	1.0	0.0
273	65.	5	0.0	0.0	1.0	0.0

-1

FILENAME: PX038701.CT6   IRRIGATION FOR WET, N+ (PLOTS 01,03,14,&15)

TRTNO   ID
01 PX038701

JDIRR	AMTIRR	IRRCOD	X1IRR	Z1IRR	X2IRR	Z2IRR
106	144.	5	0.0	0.0	1.0	0.0
113	18.	5	0.0	0.0	1.0	0.0
120	22.	5	0.0	0.0	1.0	0.0
125	16.	5	0.0	0.0	1.0	0.0
128	44.	5	0.0	0.0	1.0	0.0
146	8.	5	0.0	0.0	1.0	0.0
153	12.	5	0.0	0.0	1.0	0.0
160	37.	5	0.0	0.0	1.0	0.0
167	44.	5	0.0	0.0	1.0	0.0
169	40.	5	0.0	0.0	1.0	0.0
170	79.	5	0.0	0.0	1.0	0.0
174	42.	5	0.0	0.0	1.0	0.0
181	60.	5	0.0	0.0	1.0	0.0
188	50.	5	0.0	0.0	1.0	0.0
195	79.	5	0.0	0.0	1.0	0.0
202	62.	5	0.0	0.0	1.0	0.0
209	59.	5	0.0	0.0	1.0	0.0
216	41.	5	0.0	0.0	1.0	0.0
223	45.	5	0.0	0.0	1.0	0.0
230	73.	5	0.0	0.0	1.0	0.0
237	48.	5	0.0	0.0	1.0	0.0
244	66.	5	0.0	0.0	1.0	0.0
251	83.	5	0.0	0.0	1.0	0.0
258	61.	5	0.0	0.0	1.0	0.0
265	59.	5	0.0	0.0	1.0	0.0
273	69.	5	0.0	0.0	1.0	0.0

-1

FILENAME: PX078701.CT7   FERTILIZER MANAGEMENT N-,
                         (PLOTS 02,04,05,07,09,11,13,&16)
TRTNO ID
01 PX078701

JDFERT	FERTN	DFERT	INTYPE	FERTP	IPTYPE	FERTK	IKTYPE	FERTIN	IITYPE	FERCOD	X1FERT	Z1FERT	X2FERT	Z2FERT
106	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
113	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
120	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
125	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
128	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
146	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
153	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
160	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
167	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
169	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
170	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
174	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
181	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
188	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
195	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
202	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
209	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
216	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
223	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
230	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
237	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
244	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
251	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
258	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
265	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
273	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
-1														

FILENAME: PX088701.CT7   FERTILIZER MANAGEMENT N+,
                           (PLOTS 01,03,06,08,10,12,14,&15)

TRTNO ID
01 PX088701

	FERTN		INTYPE		IPTYPE		IKTYPE		IITYPE	X1FERT		X2FERT	
JDFERT		DFERT		FERTP		FERTK		FERTIN		FERCOD		Z1FERT		Z2FERT
106	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
113	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
120	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
125	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
128	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
146	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
153	6.8	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
160	6.8	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
167	6.8	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
169	0.2	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
170	0.2	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
174	13.3	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
181	13.3	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
188	13.3	0.0	5	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
195	19.3	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
202	19.3	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
209	19.3	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
216	19.3	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
223	19.3	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
230	38.4	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
237	19.3	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
244	19.3	0.0	10	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
251	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
258	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
265	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
273	0.2	0.0	8	0.0	0	0.0	0	0.0	0	5	0.0	0.0	1.0	0.0
-1														

FILENAME: _PX078701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX078701	01	CO2=350ppm, IRR.=DRY, NIT.=-, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

ISIM	ISOW PLANTS	ROWSPC	SDEPTH	IIRR ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE			
114	97	10.00	1.016	5.00 2 1	0.95	0.00	0.0	114	0	0	0 0

_____ HISTORY _____
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX098701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX098701	01	CO2=350ppm, IRR.=DRY, NIT.=-, REP=#2	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

ISIM	ISOW PLANTS	ROWSPC	SDEPTH	IIRR ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE			
114	97	10.00	1.016	5.00 2 1	0.95	0.00	0.0	114	0	0	0 0

_____ HISTORY _____
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX088701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX088701	01	CO2=350ppm, IRR.=DRY, NIT.=+, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

ISIM	ISOW PLANTS	ROWSPC	SDEPTH	IIRR ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE			
114	97	10.00	1.016	5.00 2 1	0.95	0.00	0.0	114	0	0	0 0

_____ HISTORY _____
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX108701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX108701	01	CO2=350ppm, IRR.=DRY, NIT.=+, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐						
ISOW	ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS	SDEPTH	ISWNIT	DSOIL	IMERGE	↓		
114 97	10.00 1.016	5.00 2 1	0.95 0.00	0.0 114 0	0 0 0

      HISTORY
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX028701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX028701	01	CO2=350ppm, IRR.=WET, NIT.=-, REP=#1	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐						
ISOW	ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS	SDEPTH	ISWNIT	DSOIL	IMERGE	↓		
114 97	10.00 1.016	5.00 2 1	0.95 0.00	0.0 114 0	0 0 0

      HISTORY
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX168701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX168701	01	CO2=350ppm, IRR.=WET, NIT.=-, REP=#2	1	61

			(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐						
ISOW	ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS	SDEPTH	ISWNIT	DSOIL	IMERGE	↓		
114 97	10.00 1.016	5.00 2 1	0.95 0.00	0.0 114 0	0 0 0

      HISTORY
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX038701.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX038701	01	CO2=350ppm, IRR.=WET, NIT.=+, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options

ISIM	ISOW	PLANTS	ROWSPC	SDEPTH	IIRR	ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE			
114	97	10.00	1.016	5.00	2	1	0.95	0.00	0.0	114	0	0	0	0

HISTORY

PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX158701.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX158701	01	CO2=350ppm, IRR.=WET, NIT.=+, REP=#2	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options

ISIM	ISOW	PLANTS	ROWSPC	SDEPTH	IIRR	ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE			
114	97	10.00	1.016	5.00	2	1	0.95	0.00	0.0	114	0	0	0	0

HISTORY

PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX058701.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX058701	01	CO2=650ppm, IRR.=DRY, NIT.=-, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options

ISIM	ISOW	PLANTS	ROWSPC	SDEPTH	IIRR	ISWNIT	EFFIRR	DSOIL	THETAC	IMERGE			
114	97	10.00	1.016	5.00	2	1	0.95	0.00	0.0	114	0	0	0	0

HISTORY

PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX118701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX118701	01	CO2=650ppm, IRR.=DRY, NIT.=-, REP=#2	1	61

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE			
114	97	10.00	1.016	5.00 2 1	0.95 0.00	0.0 114	0	0	0 0

_____HISTORY_____
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX068701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX068701	01	CO2=650ppm, IRR.=DRY, NIT.=+, REP=#1	1	61

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE			
114	97	10.00	1.016	5.00 2 1	0.95 0.00	0.0 114	0	0	0 0

_____HISTORY_____
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: _PX128701.CT8_   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX128701	01	CO2=650ppm, IRR.=DRY, NIT.=+, REP=#2	1	61

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options				
ISOW		ROWSPC	IIRR	EFFIRR	THETAC				
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE			
114	97	10.00	1.016	5.00 2 1	0.95 0.00	0.0 114	0	0	0 0

_____HISTORY_____
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX048701.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX048701	01	CO2=650ppm, IRR.=WET, NIT.=-, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

	ISOW		ROWSPC		IIRR	EFFIRR		THETAC		
ISIM		PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓
114	97	10.00	1.016	5.00	2	1	0.95	0.00	0.0 114	0 0 0 0

HISTORY

PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX138701.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX138701	01	CO2=650ppm, IRR.=WET, NIT.=-, REP=#2	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

	ISOW		ROWSPC		IIRR	EFFIRR		THETAC		
ISIM		PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓
114	97	10.00	1.016	5.00	2	1	0.95	0.00	0.0 114	0 0 0 0

HISTORY

PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX018701.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX018701	01	CO2=650ppm, IRR.=WET, NIT.=+, REP=#1	1	61

(ISWEED, ISWINS, ISWNEM & ISWDIS) options⌐

	ISOW		ROWSPC		IIRR	EFFIRR		THETAC		
ISIM		PLANTS		SDEPTH	ISWNIT		DSOIL		IMERGE	↓
114	97	10.00	1.016	5.00	2	1	0.95	0.00	0.0 114	0 0 0 0

HISTORY

PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX148701.CT8   TREATMENT MANAGEMENT FILE

ID	TRTNO	TITLET	ISOILT	IVARTY
PX148701	01	CO2=650ppm, IRR.=WET, NIT.=+, REP=#2	1	61

					(ISWEED, ISWINS, ISWNEM & ISWDIS) options		
ISOW		ROWSPC	IIRR	EFFIRR		THETAC	
ISIM	PLANTS		SDEPTH	ISWNIT	DSOIL	IMERGE	
114	97	10.00	1.016	5.00 2 1	0.95 0.00	0.0 114	0 0 0 0

HISTORY
PRECISELY SAME SITE AS 1986; BARLEY CROP OVER WINTER, CUT AND REMOVED.

FILENAME: PX078701.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N-, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX078701	01	770.	1100.	0.1000	72.	20.	1.94	3640.	467.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX098701.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N-, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX098701	01	640.	980.	0.1030	72.	18.	1.28	3030.	313.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX088701.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N+, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX088701	01	1020.	1480.	0.0990	99.	20.	2.06	5250.	600.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX108701.CTA   FINAL HARVEST DATA FILE (AMBIENT, DRY, N+, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX108701	01	770.	1170.	0.1050	93.	20.	1.84	4410.	1053.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX028701.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N-, REP #1)


```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX028701 01    790.   1150.  0.0750    79.  25.  2.46  3920.   437.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX168701.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N-, REP #2)


```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX168701 01   1020.   1510.  0.0900    86.  23.  1.90  4720.   283.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX038701.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N+, REP #1)


```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX038701 01   1570.   2290.  0.0980   110.  23.  4.87  6680.   197.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```


FILENAME: PX158701.CTA   FINAL HARVEST DATA FILE (AMBIENT, WET, N+, REP #2)


```
   ID  TRTNO XLTYLD  XSDYLD  XSDWT   XBLSM XSPB XLAIMX XBIOM XSTMBR
PX158701 01   1130.   1770.  0.1000   104.  24.  2.53  5900.   780.
```

```
 XSDTN XTOTNP XAPTNP XSDN
 -9.00  -9.0   -9.0  -9.0
```

FILENAME: PX058701.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N-, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX058701	01	1120.	1650.	0.0870	114.	22.	1.59	6270.	837.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX118701.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N-, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX118701	01	1000.	1420.	0.0970	102.	19.	2.21	5360.	853.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX068701.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N+, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX068701	01	1280.	1960.	0.1050	151.	18.	2.74	8200.	1143.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX128701.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N+, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX128701	01	1160.	1790.	0.1070	144.	19.	2.74	7200.	1590.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX048701.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, N-, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX048701	01	1380.	2050.	0.0990	131.	19.	2.99	7210.	617.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX138701.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, N-, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX138701	01	930.	1390.	0.0920	106.	22.	2.85	5020.	860.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX018701.CTA   FINAL HARVEST DATA FILE (CO2=650, WET, N+, REP #1)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX018701	01	1880.	2870.	0.1000	173.	22.	4.70	10010.	1173.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX148701.CTA   FINAL HARVEST DATA FILE (CO2=650, DRY, N-, REP #2)

ID	TRTNO	XLTYLD	XSDYLD	XSDWT	XBLSM	XSPB	XLAIMX	XBIOM	XSTMBR
PX148701	01	1390.	2090.	0.1040	122.	20.	2.48	8190.	510.

XSDTN	XTOTNP	XAPTNP	XSDN
-9.00	-9.0	-9.0	-9.0

FILENAME: PX078701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, N-, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX078701	01	114	152	166

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	19.	0.29	110	83	0	0	0	7	155.	141.	50.	0.	0.
167	29.	1.15	133	180	2	7	0	7	679.	611.	-9.	18.	0.
181	27.	0.51	137	90	4	13	0	73	378.	365.	-9.	75.	0.
195	37.	1.22	163	43	2	40	0	137	831.	558.	-9.	792.	0.
209	38.	1.11	193	27	1	47	10	173	928.	623.	-9.	985.	584.
223	48.	1.94	220	147	1	40	10	130	1318.	873.	-9.	1528.	496.
237	51.	0.94	260	23	3	87	20	260	601.	793.	-9.	1331.	662.
288	51.	-9.00	-9	-9	-9	16	56	-9	-9.	-9.	-9.	-9.	1870.
-1

FILENAME: PX098701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, N-, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX098701	01	114	152	166

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
160	27.	0.52	127	120	0	0	0	7	293.	283.	76.	0.	.
174	26.	0.54	137	113	4	13	0	20	370.	376.	-9.	36.	.
188	35.	0.84	173	43	1	33	0	110	493.	493.	-9.	579.	.
202	31.	0.84	180	37	1	40	0	123	568.	486.	-9.	415.	.
216	40.	1.16	213	50	1	27	17	170	704.	574.	-9.	985.	695.
230	47.	1.28	227	143	0	37	10	190	1081.	1201.	-9.	773.	542.
288	47.	-9.00	-9	-9	-9	18	54	-9	-9.	-9.	-9.	-9.	1620.
-1

FILENAME: PX088701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, N+, REP #1)

	TRTNO	JSQRJD											
ID		JEMRGD	JFLRJD										
PX088701 01	114	152	164										

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM	JNMBLM		XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
156	23.	0.56	110	93	0	0	0	17	327.	248.	78.	0.	0.
167	21.	0.53	127	117	1	20	0	20	377.	391.	-9.	53.	0.
181	23.	0.42	130	63	1	13	0	57	339.	263.	-9.	19.	0.
195	42.	1.30	187	180	4	67	0	120	1022.	823.	-9.	475.	0.
209	43.	1.37	200	30	5	57	0	230	943.	710.	-9.	1652.	0.
223	48.	2.06	230	157	1	47	17	213	1341.	1125.	-9.	1818.	935.
237	42.	0.81	233	50	3	23	27	183	644.	774.	-9.	798.	1190.
288	42.	-9.00	-9	-9	-9	24	79	-9	-9.	-9.	-9.	-9.	2500.

-1

FILENAME: PX108701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, DRY, N+, REP #2)

	TRTNO	JSQRJD											
ID		JEMRGD	JFLRJD										
PX108701 01	114	152	164										

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

	XPLTHT		JNNODM	JNFLWM	JNMBLM		XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM	JNGBLM		JNABSM		XWSTMH		XWGBLH	
160	20.	0.36	120	87	1	0	0	7	221.	189.	82.	0.	0.
174	28.	0.61	137	93	3	30	0	20	407.	388.	-9.	93.	0.
188	32.	0.79	160	50	3	37	0	80	602.	602.	-9.	549.	0.
202	43.	1.20	193	73	2	60	0	183	1027.	853.	-9.	956.	0.
216	38.	1.11	213	117	1	33	20	227	941.	738.	-9.	1242.	874.
230	51.	1.84	237	263	2	43	60	187	1539.	1573.	-9.	237.	2799.
288	51.	-9.00	-9	-9	-9	38	55	-9	-9.	-9.	-9.	-9.	1940.

-1

FILENAME: PX028701.CTB   MEASURED INTERMEDIATE GROWTH DATA
                           (AMBIENT, WET, N-, REP #1)

        TRTNO   JSQRJD
   ID   JEMRGD   JFLRJD
PX028701 01 114   150   164

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	26.	0.44	117	113	0	0	0	30	257.	237.	73.	0.	0.
167	25.	0.58	143	110	2	27	0	7	361.	398.	-9.	81.	0.
181	33.	1.06	167	173	2	33	0	43	707.	582.	-9.	246.	0.
195	40.	0.92	180	30	2	43	0	147	655.	539.	-9.	728.	0.
209	41.	0.78	177	20	0	30	7	117	568.	479.	-9.	959.	308.
223	48.	2.46	253	157	1	53	23	150	1106.	1067.	-9.	1395.	827.
237	47.	1.19	243	93	4	73	17	147	620.	771.	-9.	523.	523.
288	47.	-9.00	-9	-9	-9	16	63	-9	-9.	-9.	-9.	-9.	1940.
-1													

FILENAME: PX168701.CTB   MEASURED INTERMEDIATE GROWTH DATA
                           (AMBIENT, WET, N-, REP #2)

        TRTNO   JSQRJD
   ID   JEMRGD   JFLRJD
PX168701 01 114   150   164

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
160	25.	0.47	130	117	0	0	0	7	250.	237.	85.	0.	0.
174	40.	0.85	183	217	6	37	0	60	939.	926.	-9.	125.	0.
188	43.	1.20	173	113	2	73	0	83	728.	728.	-9.	666.	0.
202	34.	1.14	160	7	0	37	0	163	604.	566.	-9.	1085.	0.
216	41.	1.40	207	93	0	27	27	230	1023.	866.	-9.	1238.	1491.
230	47.	1.90	233	113	1	13	50	130	1236.	971.	-9.	339.	2464.
288	47.	-9.00	-9	-9	-9	12	74	-9	-9.	-9.	-9.	-9.	2530.
-1													

FILENAME: PX038701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, WET, N+, REP #1)

```
          TRTNO    JSQRJD
    ID          JEMRGD   JFLRJD
PX038701 01   114   150   168
```

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	22.	0.44	110	107	0	0	0	13	248.	228.	88.	0.	0.
167	23.	0.47	120	117	2	0	0	13	269.	240.	-9.	0.	0.
181	42.	1.18	183	160	1	30	0	47	756.	618.	-9.	183.	0.
195	49.	1.43	187	220	7	63	0	63	915.	1026.	-9.	761.	0.
209	57.	1.62	213	83	3	93	3	167	180.	1524.	-9.	1263.	179.
223	68.	4.87	277	180	1	137	23	370	514.	2264.	-9.	3967.	1093.
237	65.	2.77	283	123	5	73	60	320	857.	1857.	-9.	2960.	2792.
288	65.	-9.00	-9	-9	-9	9	101	-9	-9.	-9.	-9.	-9.	3860.

-1

FILENAME: PX158701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(AMBIENT, WET, N+, REP #2)

```
          TRTNO    JSQRJD
    ID          JEMRGD   JFLRJD
PX158701 01   114   150   168
```

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
160	20.	0.31	123	70	0	0	0	23	200.	179.	99.	0.	0.
174	38.	1.58	167	197	5	63	0	43	898.	892.	-9.	391.	0.
188	56.	2.53	203	327	0	100	0	137	1553.	1553.	-9.	922.	0.
202	47.	1.51	187	33	1	63	0	147	908.	765.	-9.	1225.	0.
216	56.	2.38	233	160	0	63	17	320	1714.	2055.	-9.	1647.	810.
230	57.	2.53	247	97	1	50	47	173	1759.	1268.	-9.	1813.	2314.
288	57.	-9.00	-9	-9	-9	20	75	-9	-9.	-9.	-9.	-9.	2900.

-1

MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, N-, REP #1)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX058701	01	114	150	166

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	27.	0.52	110	120	0	0	0	20	327.	328.	103.	0.	0.
167	32.	0.82	143	203	2	13	0	10	542.	640.	-9.	45.	0.
181	48.	1.45	177	173	5	53	0	127	1221.	1320.	-9.	202.	0.
195	40.	0.88	160	93	2	20	0	180	828.	853.	-9.	404.	0.
209	42.	0.79	187	23	1	20	7	140	662.	648.	-9.	878.	338.
223	57.	1.47	230	127	0	63	10	220	1033.	994.	-9.	766.	399.
237	69.	1.59	247	67	4	103	40	343	1482.	1994.	-9.	1851.	1616.
288	69.	-9.00	-9	-9	-9	29	85	-9	-9.	-9.	-9.	-9.	2770.

-1

MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, DRY, N-, REP #2)

ID	TRTNO	JEMRGD	JSQRJD	JFLRJD
PX118701	01	114	150	166

NOVAR

13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
160	26.	0.39	120	83	0	0	0	23	286.	312.	86.	0.	0.
174	40.	1.33	147	120	6	43	0	33	655.	396.	-9.	130.	0.
188	42.	0.78	167	67	3	33	0	177	829.	829.	-9.	238.	0.
202	42.	0.64	180	70	1	23	0	147	679.	856.	-9.	300.	0.
216	52.	1.77	183	20	1	53	13	243	987.	1068.	-9.	557.	477.
230	61.	2.21	253	233	1	37	50	220	2008.	2062.	-9.	505.	2567.
288	61.	-9.00	-9	-9	-9	27	79	-9	-9.	-9.	-9.	-9.	2420.

-1

FILENAME: PX068701.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=650, DRY, N+, REP #1)

```
        TRTNO     JSQRJD
  ID          JEMRGD    JFLRJD
PX068701 01   114   152   168
```

NOVAR
```
13 1 2 3 4 5 6 7 8 9 10 11 12 13
```

	XPLTHT		JNNODM	JNFLWM		JNMBLM			XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM		JNGBLM		JNABSM		XWSTMH		XWGBLH	
156	24.	0.33	93	70	0	0	0	17	204.	211.	84.	0.	0.
167	27.	0.55	140	163	2	0	0	10	404.	383.	-9.	0.	0.
181	37.	0.57	160	127	6	20	0	43	510.	552.	-9.	88.	0.
195	44.	1.77	180	163	6	53	0	170	1008.	1072.	-9.	532.	0.
209	52.	2.16	213	117	5	117	17	310	1747.	1636.	-9.	3192.	765.
223	54.	2.74	237	70	5	113	10	307	1580.	1471.	-9.	3686.	322.
237	55.	1.57	237	117	3	80	45	243	1269.	1673.	-9.	1504.	323.
288	55.	-9.00	-9	-9	-9	47	104	-9	-9.	-9.	-9.	-9.	3240.
-1													

FILENAME: PX128701.CTB   MEASURED INTERMEDIATE GROWTH DATA
                                (CO2=650, DRY, N+, REP #2)

```
        TRTNO     JSQRJD
  ID          JEMRGD    JFLRJD
PX128701 01   114   152   168
```

NOVAR
```
13 1 2 3 4 5 6 7 8 9 10 11 12 13
```

	XPLTHT		JNNODM	JNFLWM		JNMBLM			XWLEFH		XWROTH		XWMBLH
JDOY		XLAI		JNSQRM		JNGBLM		JNABSM		XWSTMH		XWGBLH	
160	24.	0.54	130	123	0	0	0	20	305.	288.	124.	0.	0.
174	34.	0.89	153	147	5	40	0	20	586.	702.	-9.	144.	0.
188	39.	0.69	153	97	4	43	0	67	630.	630.	-9.	288.	0.
202	52.	2.74	177	63	1	127	0	273	1708.	1800.	-9.	2806.	0.
216	52.	1.68	213	50	3	77	30	250	1393.	1309.	-9.	2694.	1488.
230	57.	2.27	243	207	1	47	80	223	1972.	1864.	-9.	1161.	3999.
288	57.	-9.00	-9	-9	-9	55	97	-9	-9.	-9.	-9.	-9.	2950.
-1													

FILENAME: PX048701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, WET, N-, REP #1)

```
        TRTNO    JSQRJD
   ID        JEMRGD   JFLRJD
PX048701 01   114   154   164
```

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	20.	0.28	100	50	0	0	0	27	200.	163.	65.	0.	0.
167	35.	0.91	140	193	2	23	0	7	600.	672.	-9.	99.	0.
181	44.	0.75	160	100	7	37	0	87	661.	856.	-9.	256.	0.
195	51.	1.05	173	17	2	43	0	243	834.	955.	-9.	1094.	0.
209	46.	1.15	190	17	1	53	7	157	933.	917.	-9.	2049.	332.
223	60.	2.99	223	240	1	87	77	327	2027.	2606.	-9.	3045.	3542.
237	74.	2.61	333	177	6	113	43	237	1450.	2018.	-9.	1888.	1791.
288	74.	-9.00	-9	-9	-9	22	110	-9	-9.	-9.	-9.	-9.	3430.

-1

FILENAME: PX138701.CTB   MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, WET, N-, REP #2)

```
        TRTNO    JSQRJD
   ID        JEMRGD   JFLRJD
PX138701 01   114   154   164
```

NOVAR
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
160	22.	0.30	117	63	0	0	0	13	225.	230.	111.	0.	0.
174	40.	1.21	153	167	4	49	0	7	783.	827.	-9.	144.	0.
188	48.	1.13	177	100	2	47	0	130	944.	944.	-9.	413.	0.
202	37.	0.71	157	7	1	43	0	163	688.	590.	-9.	1712.	0.
216	28.	1.16	190	53	0	40	27	223	917.	890.	-9.	1324.	1389.
230	61.	2.85	260	240	1	50	63	237	2542.	2449.	-9.	240.	3785.
288	61.	-9.00	-9	-9	-9	33	70	-9	-9.	-9.	-9.	-9.	2320.

-1

MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, WET, N+, REP #1)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX018701	01 114	152	166

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
156	20.	0.37	100	83	0	0	0	17	245.	220.	100.	0.	0.
167	30.	0.94	140	240	2	7	0	17	636.	661.	-9.	30.	0.
181	53.	1.42	177	273	5	43	0	53	1125.	1227.	-9.	450.	0.
195	50.	1.61	187	87	5	70	0	153	1013.	966.	-9.	1352.	0.
209	55.	1.99	227	110	4	123	3	273	1396.	1675.	-9.	2667.	150.
223	70.	4.70	250	67	0	243	27	617	3384.	3586.	-9.	1323.	1294.
237	82.	2.99	290	200	4	207	57	477	2098.	3123.	-9.	2746.	2961.
288	82.	-9.00	-9	-9	-9	41	132	-9	-9.	-9.	-9.	-9.	4750.

-1

MEASURED INTERMEDIATE GROWTH DATA
(CO2=650, WET, N+, REP #2)

	TRTNO	JSQRJD	
ID	JEMRGD	JFLRJD	
PX148701	01 114	152	166

<u>NOVAR</u>
13 1 2 3 4 5 6 7 8 9 10 11 12 13

JDOY	XPLTHT	XLAI	JNNODM	JNSQRM	JNFLWM	JNGBLM	JNMBLM	JNABSM	XWLEFH	XWSTMH	XWROTH	XWGBLH	XWMBLH
160	28.	0.51	120	130	0	0	0	10	293.	352.	100.	0.	0.
174	36.	1.08	163	183	5	20	0	20	789.	747.	-9.	57.	0.
188	44.	1.08	187	97	3	37	0	120	838.	838.	-9.	498.	0.
202	60.	2.48	220	183	3	160	0	237	2200.	2823.	-9.	3820.	0.
216	59.	2.05	227	57	1	83	23	173	1326.	1263.	-9.	3601.	1144.
230	57.	1.93	257	223	1	53	47	310	1783.	1835.	-9.	1175.	1938.
288	57.	-9.00	-9	-9	-9	19	102	-9	-9.	-9.	-9.	-9.	3480.

-1

INTERNAL DISTRIBUTION

EXTERNAL DISTRIBUTION

334. D. Alvic, EERC/UT, Pellissippi Office, Ste. 100, 10521 Research Drive, Knoxville, TN 37932

335. Jeff Amthor, Woods Hole Research Center, 13 Church St., P. O. Box 296, Woods Hole, MA 02453

336. R. C. Barry, University of Colorado, World Data Center A, Glaciology, CIRES, Campus Box 449, Boulder, CO 80309-0449

337. Phillip W. Baulch, Gossym-Comax Info. Unit, 1 Research Blvd., Suite 102, Starkville, MS 39759

338. F. A. Bazzaz, Harvard University, Dept. of Organ. & Evol. Biology, Cambridge, MA 02138

339. Nick Bhattacharya, USDA-ARS, Western Cotton Research Lab., 4135 E. Broadway, Phoenix, AZ 85040

340. P. K. Biswas, Tuskegee Institute, Dept. of Agricultural Sciences, Tuskegee, AL 36088

341. Kit L. Boone, P. O. Box 5248, Mississippi State, MS 39762

342. Susan Bridges, P. O. Box 5367, Mississippi State, MS 39762

343. Grant Cardon, Water Management Research Lab., USDA-ARS-PWA, 2021 South Peach Ave., Fresno, CA 93727

344. Lyle Carter, U.S. Cotton Research Station, USDA-ARS-PWA, 17053 Shafter Ave., Shafter, CA 93263

345. M. A. Chinnery, National Oceanic and Atmospheric Administration, National Geophysical Data Center Code E/GC2, 325 Broadway, Boulder, CO 80303

346. J. R. Coppedge, Jr., Field Crop Entomology, USDA-ARS, Rm. 212, Bldg. 005, BARC-West, Beltsville, MD 20705

347. Ernest L. Corley, Jr., USDA-ARS-SAA, U.S. Vegetable Research, 2875 Savannah Highway, Charleston, SC 29414

348-357. Roger C. Dahlman, Carbon Dioxide Research Program, Environmental Sciences Division, Office of Health and Environmental Research, ER-74, U.S. Department of Energy, Washington, DC 20585

358. A. R. Dedrick, U.S. Water Conservation Lab., USDA-ARS-PWA, 4331 E. Broadway Rd., Phoenix, AZ 85040

359. W. Draeger, EROS Data Center, U.S. Geological Survey, Sioux Falls, SD 57198

360. B. Drake, SERC, P. O. Box 28, Edgewater, MD 21037

361. M. Dryer, National Oceanic and Atmospheric Administration, Space Environmental Lab., ERL/OAR, R/E/SE, 320 Broadway, Boulder, CO 80303

362. Bobby R. Eddleman, Texas A&M University, Agric. Research & Extension Ct., Rt. 2, Box 589, Corpus Christi, TX 78410

363. Gary R. Evans, Global Change Staff, Office of Assistant Secretary for Science and Education, 1621 N. Kent St., Rm. 60LL, U.S. Department of Agriculture, Arlington, VA 22209

364. T. K. Fang, USDA-ARS, Climate Stress Laboratory, Rm. 206, Bldg. 001, BARC-West, Beltsville, MD 20705

365. J. Filson, National Earthquake Information Center, U.S. Geological Survey, Denver Federal Center, P.O. Box 20546, Denver, CO 80225

366. Essex E. Finney, Jr., Acting Area Director, USDA-ARS, Beltsville Ag. Research Ct., R. 227, Bldg. 003, BARC-West, Beltsville, MD 20705

367. Alton Fleming, Climate Stress Laboratory, USDA-ARS-BA, Bldg. 001, BARC-West, Beltsville, MD 20705

368. Jerry F. Franklin, Bloedel Professor of Ecosystem Analysis, College of Forest Resources, University of Washington, Anderson Hall (AR-10), Seattle, WA 98195

369. David J. Galas, Office of Health and Environmental Research, ER-70, U.S. Department of Energy, Washington, DC 20585

370. Peter Goodell, University of California, U.S. Cotton Research Station, 17053 Shafter Avenue, Shafter, CA 93263

371. S. Graves, National Aeronautics and Space Administration Headquarters Code SED, 600 Independence Avenue, Washington, DC 20546

372. J. L. Green, National Space Science Data Center, NASA Goddard Space Flight Center, Code 630.2, Greenbelt, MD 20771

373. Thomas J. Gross, Carbon Dioxide Research Program, Environmental Sciences Division, Office of Health and Environmental Research, ER-74, U.S. Department of Energy, Washington, DC 20585

374. K. D. Hadeen, National Oceanic and Atmospheric Administration, NESDIS/NCDC, Federal Building MC E/CC, Asheville, NC 28801

375. G. Hendrey, Brookhaven National Laboratory, Bldg. 318, Upton, NY 11973

376. Donald L. Hendrix, Cotton Physiology-Environ. Effects, USDA-ARS-PWA, Western Cotton Research Laboratory, 4135 E. Broadway Rd., Phoenix, AZ 85040

377. W. J. Hinze, Purdue University, Department of Earth and Atmospheric Sciences, West Lafayette, IN 47907

378. Harry F. Hodges, Box 5248, Mississippi State, MS 39762

379. Wallace Hofmann, U.S. Cotton Research Station, USDA-ARS-PWA, 17053 Shafter Avenue, Shafter, CA 93263

380. F. P. Horn, Area Director, USDA-ARS-SPA, 7607 Eastmark Dr., Suite 230, College Station, TX 77840

381. Robert Hutmacher, Water Management Research Lab., USDA-ARS-PWA, 2021 South Peach Ave., Fresno, CA 93727

382. Andrew G. Jordan, National Cotton Council of America, P. O. Box 12285, Memphis, TN 38182-0285

383. G. Y. Jordy, Director, Office of Program Analysis, Office of Energy Research, ER-30, G-226, U.S. Department of Energy, Washington, DC 20585

384. P. C. Kearney, USDA-ARS, Natural Resources Institute, Rm. 233, Bldg. 001, BARC-West, Beltsville, MD 20705

385. Paul E. Keeley, U.S. Cotton Research Station, USDA-ARS-PWA, 17053 Shafter Ave., Shafter, CA 93263

386. Thomas A. Kerby, University of California, U.S. Cotton Research Station, 17053 Shafter Ave., Shafter, CA 93263

387-398. Bruce Kimball, USDA-ARS Water Conservation Laboratory, 4331 E. Broadway, Phoenix, AZ 85040

399. E. B. Knipling, Jr., Deputy Administrator, USDA-ARS, Rm. 125, Bldg. 005, BARC-West, Beltsville, MD 20705

400. Juan Landivar, Texas A&M University, Agricultural Research Center, Agricultural Experiment Station, Corpus Christi, TX 78410

401. D. Lauer, EROS Data Center, U.S. Geological Survey, Sioux Falls, SD 57198

402. Daniel Lawlor, Texas A&M University, Agricultural Research Center, Agricultural Experiment Station, Corpus Christi, TX 78410

403. T. Leigh, Univ. of California, U.S. Cotton Research Station, 17053 Shafter Ave., Shafter, CA 93263

404. Hal Lemmon, Systems Research Laboratory, USDA-ARS-MRI-SRL, 800 Buchanan St., Albany, CA 94710

405. S. Levitus, NOAA/National Oceanographic Data Center, 1825 Connecticut Avenue, NW, Washington, DC 20235

406. David E. Lincoln, University of South Carolina, Dept. of Biology, Columbia, SC 29208

407. M. S. Loughridge, National Oceanic and Atmospheric Administration, National Geophysical Data Center, Code E/GC3, 325 Broadway, Boulder, CO 80303

408. H. M. McCammon, Acting Deputy Director, Environmental Sciences Division, Office of Health and Environmental Research, Office of Energy Research, ER-74, U.S. Department of Energy, Washington, DC 20585

409. James M. McKinion, USDA-ARS, P. O. Box 5307, Mississippi State, MS 79762

410. P. A. Miller, Fiber, Oil, Tobacco, USDA-ARS, Rm. 133, Bldg. 005, BARC-West, Beltsville, MD 20705

411. Francis S. Nakayama, Arid Zone Crop Production Group, USDA-ARS, Water Conservation Lab., 4331 East Broadway Road, Phoenix, AZ 85040

412. Park S. Nobel, Univ. of California/LBES, 900 Veteran Ave., Los Angeles, CA 90024

413. Walter C. Oechel, Biology Department, San Diego State University, San Diego, CA 92182

414. R. H. Olsen, Vice President for Research, University of Michigan, Medical Science Building II, #5605, 1301 East Catherine Street, Ann Arbor, MI 48109-0620

415. Rick L. Olson, USDA-ARS, P. O. Box 5367, Mississippi State, MS 39762

416. J. T. Overpeck, National Oceanic and Atmospheric Administration, National Geophysical Data Center, Paleoclimatology Program, 325 Broadway E/EC, Boulder, CO 80303

417. C. Owensby, Kansas State University, Agronomy Dept., Manhattan, KS 66506

418. Ari Patrinos, Acting Director, Environmental Sciences Division, Office of Health and Environmental Research, ER-74, U.S. Department of Energy, Washington, DC 20585

419. Jimmy Pendergrass, National Cotton Council, P. O. Box 12285, Memphis, TX 38182

420. Claude Phene, Water Management Research Lab., USDA-ARS-PWA, 2021 South Peach Ave., Fresno, CA 93727

421. P. J. Pinter, Jr., Arid Zone Crop Production Group, USDA-ARS, Water Conservation Lab., 4331 East Broadway Road, Phoenix, AZ 85040

422. Richard Plant, University of California, Agronomy Department, 654 Kerr Hall, U.C. Davis, Davis, CA 95616

423. P. A. Putman, USDA-ARS, Delta States Research Ctr., P. O. Box 225, Stoneville, MS 38776

424. John W. Radin, Cotton Physiology-Environ. Effects, USDA-ARS-PWA, Western Cotton Research Laboratory, 4135 E. Broadway Rd., Phoenix, AZ 85040

425. S. Ichtiaque Rasool, IGBP Data and Information System Office, Universite Paris, Tour 26, 4 Etage, Aile 26-16, 4 Place Jussieu, 75230 Paris, Cedex 06, France

426. S. L. Rawlins, USDA-ARS, Soil Erosion/Systems, Rm. 116, Bldg. 005, BARC-West, Beltsville, MD 20705

427. Vangimalla Reddy, Systems Research Laboratory, USDA-ARS-BA, Bldg. 011A, Rm. 165B, BARC-West, Beltsville, MD 20705

428. Robert J. Reginato, Area Director, USDA-ARS-PWA, 800 Buchanan St., Albany, CA 94710

429. James F. Reynolds, Duke University, Dept. of Botany, Durham, NC 27706

430. Michael R. Riches, Carbon Dioxide Research Program, Environmental Sciences Division, Office of Health and Environmental Research, ER-74, U.S. Department of Energy, Washington, DC 20585

431. Hugo H. Rogers, ARS/USDA/NSDL, P. O. Box 792, Auburn, AL 36831-0792

432. S. Ruttenberg, Univ. Corporation for Atmospheric Research, CSNET, P. O. Box 3000, Boulder, CO 80307-3000

433. A. L. Shumbera, National Oceanic and Atmospheric Administration, WDC-A for Meteorology, National Climatic Data Center, Federal Building MC E/CC, Asheville, NC 28801

434. Jim Siefker, Dept. of Agronomy, Mississippi State University, P. O. Box 5248, Mississippi State, MS 39762

435. Jeffrey C. Silvertooth, Dept. of Plant Sciences, University of Arizona, Tucson, AZ 45721

436. Stan Snitzer, P. O. Box 30277, Mesa, AZ 85275

437. Boyd R. Strain, Duke University, Dept. of Botany, Durham, NC 27706

438. W. H. Tallent, Assistant Administrator/Coop. Inter., USDA-ARS, Rm. 358-A, Admin. Bldg., Washington, DC 20250

439. W. M. Thomas, Cotton Production Research Unit, USDA-ARS, P. O. Box 2131, Florence, SC 29503

440. Anthony Trent, University of Idaho, College of Agriculture, Department PSES, Moscow, Idaho 83843

441. Rien Van Genuchten, USDA-ARS-PWA, U.S. Salinity Laboratory, Soils Physics Research Unit, 4500 Glenwood Dr., Riverside, CA 92501

442. Eugene L. Vigil, Climate Stress Laboratory, USDA-ARS-BA, Bldg. 001, BARC-West, Beltsville, MD 20705

443. Terence L. Wagner, USDA-ARS, CSRU, P. O. Box 5367, Mississippi State, MS 39762

444. Gerard Wall, USDA-ARS, U.S. Water Conservation Laboratory, 4331 E. Broadway, Phoenix, AZ 85040

445. F. Webster, University of Delaware, College of Marine Studies, Lewes, DE 19958

446. Frank D. Whisler, Dept. of Agronomy, P. O. Box 5248, Mississippi State, MS 39762

447. J. A. Witz, Southern Crop Res. Lab., USDA-ARS, Pest Management Research Unit, Rt. 5, Box 808, College Station, TX 77840

448. F. J. Wobber, Environmental Sciences Division, Office of Health and Environmental Research, Office of Energy Research, ER-74, U.S. Department of Energy, Washington, DC 20585

449. L. W. Wolf, National Research Council, Commission on Geosciences, Environment, and Resources, 2101 Constitution Avenue, Washington, DC 20418

450. Office of Assistant Manager for Energy Research and Development, U.S. Department of Energy Oak Ridge Field Office, P. O. Box 2001, Oak Ridge, TN 37831-8600

451-460. Office of Scientific and Technical Information, P. O. Box 62, Oak Ridge, TN 37831