| File \# | Original File Name |
| ---: | :---: |
| 1 | EPA_SS_FRESNO_MET_5MIN_20040701_20040930_V1.csv |


| Data Exchange Standard Version | PrincipalInvestigator Name--last <br> first | Principal Investigator Affiliation | Contents Description--short <br> Iong |
| :--- | :--- | :--- | :--- |
| NARSTO 2002/05/28 (2.301) | Watson ; Dr. John | Desert Research Institute, 2215 <br> Raggio Pkwy, Reno, NV 89512, <br> USA | METDATA_5_MIN ; Meteorological Data <br> (Ambient Temperature, Relative Humidity, <br> Wind Speed, Wind Direction, Barometric <br> Pressure, Solar Radiation) |


| SamplIng Interval As Reported in Main Table | Sampllng Frequency Of Data in Main Table | Quality Control Level | Organization Acronym | Organization Name | Data Usage Acknowledgement |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 5 minute | Same as sampling interval | 1 | EPA/NOAA/CARB | EPA/NOAA/CARB Long Term Monitoring--Fresno | Desert Research Institute, 2215 Raggio Pkwy, Reno, NV 89512, USA |


| Study Or Network Acronym | Study Or Network Name | Country Code | State Or Province Code | Principal Investigator Contact Information | Co-investigator Name--last |
| :--- | :--- | :--- | :--- | :--- | :--- |
| first |  |  |  |  |  |


| Co-investigator Affiliation | Name And Affiliation Of Person Who Generated This File | Date Of Last Modification To Data In Main Table |
| :--- | :--- | :--- |
| None | Norm Robinson, DRI | $2004 / 11 / 29$ |
|  |  |  |


| Name And Version Of Software Used To Create This File | Companion File Name <br> format And Version | Date This File Generated <br> archive Version Number | Table Explanation Of Zero Or Negative Values |
| :--- | :--- | :--- | :--- |
| MS VB.Net; MS SQL Server 2000 | None ; None | 2005/01/25;1 <br> Zero values occur when there is no detectable wind, and <br> at night when there is no solar radiation, zero and <br> negative ambient temperature values occur during <br> normal atmospheric conditions. |  |


| Table Explanation Of Reported Detection | le Explanation Of R | Table User | Table User Note2 | Table User Note3 | Table User Note |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Detection limits are currently being evaluated. | See *TABLE USER NOTE2 | 5-min <br> MeteOrological <br> Data | Uncertainty is not reported this file. The final Project Report will discuss uncertainty in more depth. |  |  |


| Table Name | Table Focus |
| :---: | :---: |
| METDATA_5_MIN | Surface--fixed |
|  |  |


| Site ID | Name | State <br> Province code | Latitude: decimal degree | Longitude: decimal degree | Sampling height <br> above ground (m) | Ground elevation <br> above sea level (m) |
| :---: | :---: | ---: | ---: | ---: | ---: | ---: |
| ES2FUSCAFSF_ | 3425 N First St Fresno | CA | 36.78167 | -119.77333 | 12.2 | 29.6 |


| Site ID | Site land use | Site location setting | Measurement start date | Measurement end date | Co-incident <br> measurements | Study site ID | lon accuracy |
| :---: | :--- | :--- | ---: | ---: | ---: | ---: | ---: |
| ES2FUSCAFSF_- | Commercial | Urban and center city | $1999 / 05 / 01$ | $9999 / 12 / 31$ | N | -N | -999.9 |


| Flag: NARSTO |  |
| :--- | :--- |
| H1 | Historical data that have not been assessed or validated |
| M1 | Missing value because no value is available |
| M2 | Missing value because invalidated by data originator |
| V0 | Valid value |
| V1 | Valid value but comprised wholly or partially of below detection limit data |
| V2 | Valid estimated value |
| V3 | Valid interpolated value |
| V4 | Valid value despite failing to meet some QC or statistical criteria |
| V5 | Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source) |
| V6 | Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling) |
| V7 | Valid value but set equal to the detection limit (DL) because the measured value was below the DL |

Site ID: ES2FUSCAFSF_ Variable name: Humidity: relative Units: \% Sampling interval: 5 minute Sampling frequency: Same as sampling interval Observation type: Meteorology Field sampling or measurement principle: Capacitance thin film humidity Sampling Height above ground (m): 11.0 Instrument name and model number: Met One Instruments Aspirated Thin Film Capacitor Model:083V Detection Limit: Undetermined

Site Name:3425 N First St Fresno, California Latitude:36.78167 deg. Longitude:-119.77333 deg. Start Date:1999-05-01



File Name: NARSTO_EPA_SS_FRESNO_MET_5MIN_20040701_20040930_V1

Site ID: ES2FUSCAFSF_ Variable name: Pressure: atmospheric barometric Units: mb Sampling interval: 5 minute
Sampling frequency: Same as sampling interval Observation type: Meteorology Field sampling or measurement principle: Barometer--mercury Sampling Height above ground (m): 10.9 Instrument name and model number: Met One Instruments Pressure Transducer Model: 090D Detection Limit: Undetermined

Site Name:3425 N First St Fresno, California Latitude:36.78167 deg. Longitude:-119.77333 deg. Start Date:1999-05-01


File Name: NARSTO_EPA_SS_FRESNO_MET_5MIN_20040701_20040930_V1

Site ID: ES2FUSCAFSF_ Variable name: Radiation: broadband downwelling solar hemispheric irradiance Units: W/m2 Sampling interval: 5 minute Sampling frequency: Same as sampling interval Observation type: Meteorology Field sampling or measurement principle: Pyranometer Sampling Height above ground (m): 11.2 Instrument name and model number: LI-COR Inc. Pyranometer Model: LI-200SA Detection Limit: Undetermined

Site Name:3425 N First St Fresno, California Latitude:36.78167 deg. Longitude:-119.77333 deg. Start Date:1999-05-01


[^0]Site ID: ES2FUSCAFSF_ Variable name: Temperature: air Units: deg C Sampling interval: 5 minute Sampling frequency: Same as sampling interval Observation type: Meteorology Field sampling or measurement principle: Thermistor-based temperature sensor
Sampling Height above ground (m): 11.0 Instrument name and model number: Met One Instruments Aspirated Thermistor Model: 060A-2 Detection Limit: Undetermined

Site Name:3425 N First St Fresno, California Latitude:36.78167 deg. Longitude:-119.77333 deg. Start Date:1999-05-01


File Name: NARSTO_EPA_SS_FRESNO_MET_5MIN_20040701_20040930_V1

Site ID: ES2FUSCAFSF Variable name: Wind direction: Sigma theta (std. dev. of azimuth angle) Units: degree from true north Sampling interval: 5 minute Sampling frequency: Same as sampling interval Observation type: Meteorology Field sampling or measurement principle: Wind direction vane Sampling Height above ground (m): 14.9 Instrument name and model number: Met One Instruments High-Sensitivity Wind Vane Model: 025-5C Detection Limit: Undetermined
Site Name:3425 N First St Fresno, California Latitude:36.78167 deg. Longitude:-119.77333 deg. Start Date:1999-05-01


File Name: NARSTO_EPA_SS_FRESNO_MET_5MIN_20040701_20040930_V1

Site ID: ES2FUSCAFSF_ Variable name: Wind direction: unit vector mean Units: degree from true north Sampling interval: 5 minute
Sampling frequency: Same as sampling interval Observation type: Meteorology Field sampling or measurement principle: Wind direction vane Sampling Height above ground (m): $\mathbf{1 4 . 9}$ Instrument name and model number: Met One Instruments High-Sensitivity Wind Vane Model: 025-5C Detection Limit: Undetermined

Site Name:3425 N First St Fresno, California Latitude:36.78167 deg. Longitude:-119.77333 deg. Start Date:1999-05-01


Site ID: ES2FUSCAFSF_Variable name: Wind speed: horizontal scalar mean Units: m/s Sampling interval: $\mathbf{5}$ minute
Sampling frequency: Same as sampling interval Observation type: Meteorology Field sampling or measurement principle: Anemometer--cup Sampling Height above ground (m): 14.9 Instrument name and model number: Met One Instruments 3-cup Anemometer Model:010-SC Detection Limit: Undetermined

Site Name:3425 N First St Fresno, California Latitude:36.78167 deg. Longitude:-119.77333 deg. Start Date:1999-05-01


File Name: NARSTO_EPA_SS_FRESNO_MET_5MIN_20040701_20040930_V1


[^0]:    File Name: NARSTO_EPA_SS_FRESNO_MET_5MIN_20040701_20040930_V1

