















|                          |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TOTAL                    | 4426       | 4029       | 4389       | 3557       | 4395       | 4265       | 4494       | 4501       | 4277       | 4375       | 4261       | 4430       | 51399      |
| MAX                      | 76.6       | 79.3       | 140.7      | 62.6       | 45.7       | 52.5       | 42.0       | 42.8       | 51.3       | 60.5       | 78.3       | 64.7       | 140.7      |
| DATE                     | 2000011614 | 1998022106 | 2000032321 | 1996042321 | 1997050301 | 2001062721 | 1998071422 | 2001082301 | 1997091708 | 1999102805 | 1998112519 | 1996123122 | 2000032321 |
| MIN                      | 1.6        | 1.7        | 0.0        | 0.6        | 1.0        | 0.0        | 0.0        | 0.0        | 0.8        | 1.4        | 0.8        | 1.4        | 0.0        |
| DATE                     | 1997010502 | 1997022600 | 1998031004 | 1999041212 | 2000051911 | 1998062405 | 1998070109 | 1998082008 | 2000092605 | 2001101302 | 1997110405 | 1997122804 | 1998082008 |
| (* < 0.05% , # = 100.0%) |            |            |            |            |            |            |            |            |            |            |            |            |            |

ELEMENT SUMMARY FOR STATION: CARO3

|                                 |          |
|---------------------------------|----------|
| (A) TOTAL STDMET RECORDS READ   | = 148281 |
| (B) TOTAL CWINDOW RECORDS READ  | = 312304 |
| (C) TOTAL RECORDS USED IN STATS | = 460585 |

|                               |         |         |         |        |        |        |         |         |         |        |        |        |
|-------------------------------|---------|---------|---------|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| (D) ELEMENT RECORDS AVAILABLE | AIR TMP | SEA TMP | AIR-SEA | DEWPT  | SLP    | AVWS   | PKGS-8M | PKGS-5S | SIGWVHT | AVWVPD | DWVPD  | VSBY   |
| (E) ELEMENT OUT OF RANGE      | 147613  | 0       | 0       | 27959  | 147305 | 147280 | 147216  | 51399   | 0       | 0      | 0      | 0      |
|                               | 668     | 148281  | 148281  | 120322 | 976    | 1001   | 1065    | 260905  | 148281  | 148281 | 148281 | 148281 |

STATION: CARO3 -- POR (1/1985 - 12/2001)

2 - MEANS & EXTREMES BASED ON HOURLY (GMT) OBSERVATIONS -- MONTHLY & ANNUAL BY YEAR

ELEMENT: AIR TEMPERATURE (DEGREES C)

| YEAR | ELEMENT | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN  |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1985 | MEAN    | 8.4   | 7.4   | 7.4   | 9.2   | 10.7  | 12.1  | 12.4  | 13.1  | 12.6  | 11.3  | 6.8   | 7.7   | 9.9  |
|      | MAXIMUM | 17.4  | 13.5  | 13.1  | 13.4  | 19.9  | 17.3  | 19.2  | 17.9  | 18.7  | 16.7  | 15.4  | 18.4  | 19.9 |
|      | DAY-HR  | 16-20 | 14-19 | 08-21 | 12-19 | 16-08 | 14-00 | 10-20 | 19-20 | 26-01 | 05-06 | 03-18 | 24-21 | MAY  |
|      | MINIMUM | 1.4   | -0.9  | 2.3   | 3.9   | 4.8   | 8.0   | 7.1   | 9.2   | 7.1   | 4.4   | 0.1   | 1.2   | -0.9 |
|      | DAY-HR  | 30-15 | 04-13 | 06-12 | 20-13 | 08-13 | 24-11 | 26-12 | 23-13 | 29-15 | 29-15 | 30-08 | 10-11 | FEB  |
|      | # OBS   | 742   | 670   | 738   | 716   | 740   | 719   | 739   | 742   | 719   | 717   | 719   | 743   | 8704 |
| 1986 | MEAN    | 10.5  | 9.7   | 10.5  | 9.2   | 11.0  | 12.7  | 13.0  | 11.6  | 12.0  | 11.0  | 10.9  | 9.3   | 11.0 |
|      | MAXIMUM | 18.9  | 20.8  | 17.5  | 13.6  | 19.2  | 18.0  | 18.3  | 17.0  | 16.6  | 18.5  | 16.4  | 15.0  | 20.8 |
|      | DAY-HR  | 13-08 | 27-00 | 19-22 | 08-21 | 24-22 | 30-23 | 03-20 | 30-21 | 28-22 | 25-13 | 03-00 | 16-21 | FEB  |
|      | MINIMUM | 3.8   | 2.1   | 3.0   | 3.9   | 5.3   | 9.3   | 9.3   | 8.7   | 7.8   | 5.1   | 2.9   | 4.1   | 2.1  |
|      | DAY-HR  | 24-15 | 06-14 | 14-14 | 24-13 | 06-03 | 12-13 | 24-13 | 15-14 | 04-15 | 12-13 | 25-14 | 09-09 | FEB  |
|      | # OBS   | 743   | 665   | 738   | 718   | 736   | 719   | 743   | 739   | 720   | 739   | 692   | 740   | 8692 |
| 1987 | MEAN    | 8.3   | 9.5   | 9.7   | 10.1  | 11.5  | 11.8  | 12.9  | 11.4  | 12.3  | 11.8  | 11.0  | 7.4   | 10.6 |
|      | MAXIMUM | 15.8  | 18.1  | 22.2  | 16.1  | 19.8  | 18.3  | 18.4  | 17.2  | 18.2  | 25.2  | 17.8  | 14.6  | 25.2 |
|      | DAY-HR  | 20-23 | 07-21 | 29-20 | 26-16 | 09-01 | 03-19 | 29-22 | 14-22 | 29-05 | 06-19 | 08-21 | 02-23 | OCT  |
|      | MINIMUM | 0.7   | 1.9   | 2.7   | 4.1   | 7.5   | 7.6   | 9.0   | 8.0   | 8.5   | 7.6   | 2.9   | 0.3   | 0.3  |
|      | DAY-HR  | 16-15 | 25-15 | 19-15 | 18-13 | 19-14 | 01-13 | 16-11 | 21-15 | 04-13 | 21-07 | 29-06 | 25-10 | DEC  |
|      | # OBS   | 738   | 669   | 741   | 718   | 741   | 714   | 744   | 742   | 681   | 741   | 719   | 744   | 8692 |
| 1988 | MEAN    | 8.2   | 8.4   | 8.5   | 9.5   | 11.0  | 12.2  | 12.4  | 11.0  | 11.1  | 12.2  | 10.3  | 8.6   | 10.3 |
|      | MAXIMUM | 15.8  | 17.2  | 13.1  | 15.4  | 15.9  | 17.0  | 19.2  | 17.8  | 23.7  | 18.3  | 17.2  | 16.4  | 23.7 |
|      | DAY-HR  | 27-13 | 20-19 | 19-21 | 26-21 | 11-16 | 22-02 | 19-23 | 17-20 | 13-07 | 19-20 | 05-16 | 03-21 | SEP  |
|      | MINIMUM | 2.2   | 0.6   | 3.6   | 3.4   | 4.0   | 8.0   | 8.0   | 7.1   | 7.6   | 7.8   | 4.1   | 0.9   | 0.6  |
|      | DAY-HR  | 02-14 | 03-15 | 11-14 | 08-13 | 01-13 | 08-12 | 25-13 | 04-13 | 23-12 | 27-12 | 29-16 | 26-16 | FEB  |
|      | # OBS   | 744   | 694   | 741   | 719   | 743   | 719   | 742   | 739   | 718   | 744   | 718   | 741   | 8762 |
| 1989 | MEAN    | 7.1   | 5.3   | 8.4   | 10.4  | 11.2  | 11.9  | 14.2  | 13.7  | 11.6  | 11.4  | 10.5  | 9.0   | 10.4 |
|      | MAXIMUM | 12.8  | 13.7  | 14.9  | 23.5  | 17.7  | 16.4  | 18.4  | 19.4  | 18.6  | 17.5  | 17.3  | 17.0  | 23.5 |
|      | DAY-HR  | 30-19 | 21-21 | 05-22 | 10-00 | 04-20 | 04-19 | 20-21 | 24-00 | 02-00 | 23-00 | 18-22 | 02-18 | APR  |
|      | MINIMUM | 1.5   | -7.7  | 1.5   | 5.6   | 6.4   | 8.0   | 10.5  | 9.2   | 6.2   | 5.2   | 5.1   | 1.5   | -7.7 |
|      | DAY-HR  | 23-12 | 04-13 | 03-14 | 27-13 | 19-12 | 24-16 | 25-14 | 11-13 | 11-13 | 28-14 | 13-15 | 19-13 | FEB  |
|      | # OBS   | 743   | 667   | 738   | 717   | 733   | 711   | 737   | 740   | 720   | 738   | 720   | 739   | 8703 |
| 1990 | MEAN    | 8.9   | 7.2   | 8.8   | 10.1  | 10.8  | 12.8  | 12.9  | 13.6  | 14.7  | 11.7  | 10.5  | 5.3   | 10.6 |
|      | MAXIMUM | 16.5  | 16.0  | 14.5  | 15.7  | 16.9  | 17.3  | 18.5  | 19.0  | 24.6  | 17.2  | 16.5  | 15.9  | 24.6 |
|      | DAY-HR  | 11-21 | 22-18 | 17-00 | 13-23 | 05-02 | 03-01 | 05-07 | 31-23 | 21-19 | 27-22 | 10-19 | 09-05 | SEP  |
|      | MINIMUM | 3.3   | -1.2  | 1.6   | 6.1   | 6.7   | 8.9   | 9.2   | 7.8   | 9.7   | 6.8   | 3.6   | -9.4  | -9.4 |
|      | DAY-HR  | 18-14 | 14-15 | 12-14 | 09-14 | 07-13 | 21-13 | 20-11 | 04-13 | 30-13 | 19-15 | 26-16 | 21-15 | DEC  |
|      | # OBS   | 743   | 670   | 738   | 712   | 741   | 716   | 741   | 743   | 715   | 742   | 720   | 743   | 8724 |
| 1991 | MEAN    | 7.6   | 10.6  | 7.8   | 9.1   | 10.0  | 11.5  | 12.1  | 13.6  | 13.2  | 11.3  | 10.8  | 8.9   | 10.5 |
|      | MAXIMUM | 13.9  | 17.1  | 17.7  | 13.2  | 13.7  | 15.8  | 16.6  | 21.3  | 19.9  | 26.7  | 17.7  | 14.1  | 26.7 |
|      | DAY-HR  | 17-23 | 01-19 | 17-22 | 05-00 | 28-20 | 22-23 | 17-21 | 29-20 | 04-21 | 10-18 | 11-21 | 26-21 | OCT  |
|      | MINIMUM | 0.7   | 6.7   | 1.7   | 4.5   | 5.7   | 7.4   | 8.9   | 10.3  | 8.4   | 4.1   | 1.6   | 3.3   | 0.7  |
|      | DAY-HR  | 04-15 | 23-15 | 11-11 | 11-13 | 09-14 | 05-12 | 31-13 | 03-15 | 25-18 | 30-13 | 30-15 | 20-11 | JAN  |
|      | # OBS   | 744   | 671   | 741   | 720   | 744   | 719   | 743   | 737   | 718   | 743   | 717   | 742   | 8739 |
| 1992 | MEAN    | 9.9   | 11.1  | 11.0  | 11.9  | 12.4  | 12.6  | 13.8  | 13.5  | 12.7  | 12.5  | 10.6  | 7.7   | 11.6 |
|      | MAXIMUM | 19.6  | 27.5  | 16.1  | 19.5  | 18.2  | 17.3  | 19.0  | 21.2  | 18.8  | 22.3  | 16.9  | 14.5  | 27.5 |
|      | DAY-HR  | 18-22 | 26-00 | 22-20 | 28-19 | 04-00 | 27-20 | 03-00 | 12-01 | 30-17 | 07-01 | 25-22 | 10-10 | FEB  |
|      | MINIMUM | 2.2   | 4.2   | 6.9   | 5.0   | 7.3   | 8.9   | 8.7   | 9.0   | 8.3   | 7.5   | 3.7   | 1.1   | 1.1  |
|      | DAY-HR  | 12-15 | 15-15 | 28-14 | 06-14 | 01-13 | 03-12 | 30-14 | 29-16 | 18-14 | 15-15 | 10-12 | 30-08 | DEC  |
|      | # OBS   | 739   | 684   | 738   | 718   | 742   | 718   | 740   | 742   | 714   | 733   | 716   | 737   | 8721 |









|     |         |        |        |        |        |        |        |        |        |        |        |        |        |          |
|-----|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| POR | MEAN    | 1017.7 | 1016.8 | 1017.5 | 1018.8 | 1018.2 | 1018.5 | 1018.7 | 1017.9 | 1016.8 | 1018.2 | 1018.5 | 1019.3 | 1018.1   |
|     | MAXIMUM | 1039.1 | 1036.2 | 1036.1 | 1034.5 | 1033.0 | 1029.8 | 1027.5 | 1026.4 | 1030.0 | 1034.5 | 1036.1 | 1039.6 | 1039.6   |
|     | YEAR    | 1989   | 1988   | 1988   | 1997   | 2001   | 1998   | 1988   | 2000   | 1999   | 1999   | 1988   | 1987   | DEC/1987 |
|     | MINIMUM | 985.4  | 982.2  | 983.5  | 997.0  | 998.3  | 1003.7 | 1006.5 | 1006.4 | 996.2  | 990.0  | 987.6  | 970.8  | 970.8    |
|     | YEAR    | 1997   | 1998   | 1995   | 1994   | 1993   | 1993   | 1986   | 1995   | 1986   | 1992   | 1996   | 1995   | DEC/1995 |
|     | # OBS   | 12544  | 11386  | 12512  | 12155  | 12532  | 12146  | 12387  | 12660  | 12113  | 12483  | 11980  | 12407  | 147305   |

STATION: CAR03 -- POR (1/1985 - 12/2001)

2 - MEANS & EXTREMES BASED ON HOURLY (GMT) OBSERVATIONS -- MONTHLY & ANNUAL BY YEAR

ELEMENT: AVERAGE WIND SPEED (KNOTS)

| YEAR | ELEMENT | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN  |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1985 | MEAN    | 6.3   | 11.7  | 12.5  | 8.7   | 7.7   | 9.4   | 7.1   | 5.3   | 7.3   | 8.9   | 8.1   | 6.7   | 8.3  |
|      | MAXIMUM | 25.1  | 33.0  | 33.0  | 27.0  | 33.0  | 28.0  | 23.1  | 19.1  | 25.1  | 35.0  | 30.1  | 39.1  | 39.1 |
|      | DAY-HR  | 21-02 | 07-20 | 26-15 | 23-06 | 02-21 | 07-11 | 13-17 | 30-07 | 12-21 | 22-09 | 22-03 | 02-18 | DEC  |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 30-21 | 25-14 | 29-16 | 28-17 | 31-08 | 30-17 | 29-18 | 31-23 | 30-19 | 31-04 | 27-05 | 31-04 | DEC  |
|      | # OBS   | 742   | 670   | 738   | 716   | 740   | 719   | 739   | 742   | 719   | 718   | 714   | 742   | 8699 |
| 1986 | MEAN    | 10.5  | 12.1  | 9.8   | 11.2  | 8.9   | 8.8   | 7.0   | 6.0   | 7.9   | 7.7   | 11.2  | 8.5   | 9.1  |
|      | MAXIMUM | 40.0  | 33.0  | 32.1  | 33.0  | 27.0  | 27.0  | 30.1  | 22.0  | 29.0  | 32.1  | 32.1  | 36.2  | 40.0 |
|      | DAY-HR  | 08-07 | 23-12 | 07-11 | 15-22 | 06-01 | 14-13 | 04-09 | 04-20 | 23-21 | 30-01 | 27-02 | 29-14 | JAN  |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 31-05 | 28-06 | 30-16 | 30-17 | 31-03 | 30-23 | 19-17 | 30-12 | 30-19 | 31-22 | 29-22 | 30-23 | DEC  |
|      | # OBS   | 739   | 661   | 727   | 718   | 735   | 719   | 743   | 739   | 720   | 738   | 693   | 739   | 8671 |
| 1987 | MEAN    | 10.5  | 10.4  | 9.8   | 8.2   | 9.2   | 9.0   | 6.3   | 7.9   | 5.8   | 5.6   | 8.7   | 11.3  | 8.6  |
|      | MAXIMUM | 35.0  | 38.1  | 36.2  | 31.1  | 31.1  | 29.0  | 29.0  | 24.1  | 24.1  | 24.1  | 31.1  | 40.0  | 40.0 |
|      | DAY-HR  | 25-12 | 01-05 | 03-09 | 05-21 | 30-22 | 20-20 | 18-22 | 01-20 | 17-01 | 16-01 | 16-00 | 08-11 | DEC  |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 27-06 | 28-04 | 31-06 | 30-14 | 29-12 | 30-10 | 31-11 | 31-16 | 30-09 | 30-18 | 28-18 | 23-20 | DEC  |
|      | # OBS   | 737   | 665   | 741   | 719   | 740   | 714   | 744   | 742   | 681   | 740   | 714   | 744   | 8681 |
| 1988 | MEAN    | 10.1  | 7.1   | 10.0  | 9.0   | 9.5   | 6.8   | 6.8   | 6.8   | 8.0   | 6.6   | 10.9  | 9.2   | 8.4  |
|      | MAXIMUM | 49.2  | 27.0  | 33.0  | 32.1  | 31.1  | 28.0  | 29.0  | 23.1  | 25.1  | 23.1  | 36.2  | 29.0  | 49.2 |
|      | DAY-HR  | 11-07 | 28-18 | 23-08 | 02-22 | 04-02 | 02-20 | 12-20 | 22-19 | 25-07 | 26-22 | 02-23 | 30-10 | JAN  |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 26-06 | 29-06 | 19-10 | 30-17 | 30-05 | 30-23 | 20-13 | 25-23 | 28-09 | 31-19 | 30-22 | 29-03 | DEC  |
|      | # OBS   | 744   | 694   | 741   | 719   | 742   | 719   | 742   | 739   | 718   | 744   | 718   | 741   | 8761 |
| 1989 | MEAN    | 8.6   | 8.7   | 10.9  | 8.4   | 6.7   | 7.5   | 6.7   | 6.7   | 5.9   | 6.4   | 7.7   | 9.6   | 7.9  |
|      | MAXIMUM | 30.1  | 31.1  | 33.0  | 26.0  | 28.0  | 26.2  | 22.7  | 23.3  | 20.8  | 24.5  | 30.5  | 32.1  | 33.0 |
|      | DAY-HR  | 10-03 | 16-18 | 09-18 | 01-20 | 24-03 | 30-20 | 16-19 | 01-23 | 26-00 | 26-09 | 23-15 | 05-01 | MAR  |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 31-01 | 28-14 | 30-07 | 30-17 | 29-06 | 29-20 | 30-11 | 31-15 | 30-23 | 12-10 | 11-01 | 20-00 | DEC  |
|      | # OBS   | 743   | 667   | 737   | 717   | 732   | 711   | 738   | 740   | 720   | 422   | 720   | 739   | 8386 |
| 1990 | MEAN    | 13.4  | 11.9  | 10.1  | 8.7   | 10.6  | 9.4   | 8.1   | 7.4   | 7.0   | 8.5   | 9.9   | 9.6   | 9.5  |
|      | MAXIMUM | 42.8  | 36.4  | 29.4  | 36.5  | 29.0  | 26.0  | 28.2  | 22.0  | 25.9  | 32.1  | 33.4  | 35.0  | 42.8 |
|      | DAY-HR  | 30-02 | 05-22 | 10-04 | 22-18 | 29-22 | 02-22 | 05-02 | 17-09 | 14-21 | 30-11 | 25-08 | 04-15 | JAN  |
|      | MINIMUM | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 25-00 | 27-02 | 23-10 | 15-04 | 12-13 | 27-06 | 29-23 | 29-15 | 24-03 | 26-16 | 11-19 | 26-01 | DEC  |
|      | # OBS   | 743   | 670   | 738   | 712   | 741   | 716   | 741   | 743   | 716   | 742   | 720   | 742   | 8724 |
| 1991 | MEAN    | 11.8  | 10.0  | 10.3  | 10.7  | 9.1   | 7.8   | 7.7   | 9.4   | 8.1   | 9.4   | 9.5   | 7.4   | 9.3  |
|      | MAXIMUM | 35.0  | 31.5  | 41.6  | 34.8  | 28.8  | 24.9  | 26.6  | 35.2  | 23.9  | 35.0  | 42.2  | 27.2  | 42.2 |
|      | DAY-HR  | 12-00 | 02-09 | 03-20 | 24-03 | 29-21 | 04-06 | 05-18 | 08-00 | 21-23 | 25-20 | 17-02 | 18-14 | NOV  |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 28-19 | 26-12 | 25-16 | 20-15 | 20-07 | 28-12 | 23-13 | 18-15 | 26-11 | 15-15 | 11-03 | 24-02 | DEC  |
|      | # OBS   | 744   | 670   | 741   | 720   | 744   | 719   | 743   | 736   | 718   | 743   | 717   | 742   | 8737 |
| 1992 | MEAN    | 10.9  | 9.1   | 7.8   | 10.5  | 9.2   | 8.9   | 7.9   | 6.8   | 8.3   | 10.5  | 8.3   | 11.0  | 9.1  |
|      | MAXIMUM | 39.5  | 36.9  | 26.4  | 30.7  | 24.1  | 26.8  | 21.4  | 20.2  | 33.6  | 32.5  | 41.4  | 41.8  | 41.8 |
|      | DAY-HR  | 25-03 | 20-10 | 27-21 | 17-01 | 12-04 | 02-10 | 24-19 | 11-21 | 30-23 | 01-01 | 21-22 | 10-10 | DEC  |
|      | MINIMUM | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 08-23 | 24-05 | 23-16 | 15-16 | 24-12 | 30-08 | 31-15 | 31-04 | 28-09 | 23-07 | 12-17 | 05-02 | DEC  |
|      | # OBS   | 739   | 685   | 738   | 718   | 742   | 718   | 740   | 742   | 714   | 733   | 711   | 735   | 8715 |
| 1993 | MEAN    | 9.8   | 10.2  | 10.4  | 12.1  | 9.6   | 9.0   | 8.6   | 6.9   | 6.2   | 6.8   | 8.4   | 10.7  | 9.1  |
|      | MAXIMUM | 45.9  | 35.6  | 32.9  | 34.4  | 34.0  | 27.2  | 25.9  | 23.7  | 20.2  | 22.0  | 27.6  | 42.0  | 45.9 |
|      | DAY-HR  | 20-14 | 21-10 | 17-00 | 15-07 | 24-00 | 09-18 | 22-07 | 30-21 | 21-19 | 21-04 | 29-13 | 10-07 | JAN  |
|      | MINIMUM | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 27-05 | 08-04 | 21-04 | 28-14 | 30-09 | 28-12 | 28-17 | 23-16 | 17-15 | 23-04 | 16-18 | 25-02 | DEC  |
|      | # OBS   | 734   | 638   | 732   | 719   | 740   | 710   | 479   | 730   | 705   | 742   | 715   | 743   | 8387 |
| 1994 | MEAN    | 10.3  | 10.4  | 11.2  | 10.8  | 8.6   | 8.5   | 8.3   | 4.5   | 8.3   | 8.7   | 11.4  | 12.4  | 9.4  |
|      | MAXIMUM | 31.3  | 35.0  | 32.9  | 28.8  | 28.4  | 28.2  | 22.0  | 17.1  | 26.4  | 35.2  | 44.9  | 32.7  | 44.9 |

|      |         |       |       |       |       |       |       |       |       |       |       |       |       |          |          |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
|      | DAY-HR  | 08-21 | 21-09 | 06-00 | 24-22 | 15-20 | 13-07 | 19-23 | 30-20 | 09-21 | 27-13 | 04-19 | 27-01 | NOV      |          |
|      | MINIMUM | 0.2   | 0.0   | 0.0   | 0.2   | 0.0   | 0.0   | 0.2   | 0.0   | 0.0   | 0.0   | 0.6   | 0.2   | 0.0      |          |
|      | DAY-HR  | 14-11 | 12-03 | 13-08 | 19-16 | 30-04 | 18-09 | 25-17 | 22-07 | 27-09 | 12-07 | 20-16 | 28-22 | OCT      |          |
|      | # OBS   | 739   | 653   | 741   | 718   | 738   | 719   | 721   | 734   | 706   | 735   | 712   | 741   | 8657     |          |
| 1995 | MEAN    | 12.1  | 10.7  | 11.8  | 9.3   | 10.6  | 9.4   | 6.4   | 6.6   | 8.3   | 9.5   | 12.9  | 10.8  | 9.9      |          |
|      | MAXIMUM | 39.5  | 35.6  | 40.6  | 34.2  | 28.4  | 25.7  | 23.5  | 28.0  | 27.2  | 34.4  | 33.4  | 53.1  | 53.1     |          |
|      | DAY-HR  | 14-14 | 17-21 | 22-12 | 08-03 | 11-08 | 29-20 | 15-18 | 06-23 | 04-22 | 15-19 | 18-02 | 12-20 | DEC      |          |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      |          |
|      | DAY-HR  | 20-01 | 25-06 | 30-17 | 27-05 | 27-11 | 14-16 | 24-12 | 30-08 | 22-14 | 27-04 | 18-21 | 20-10 | DEC      |          |
|      | # OBS   | 736   | 670   | 739   | 714   | 739   | 716   | 740   | 741   | 713   | 735   | 711   | 738   | 8692     |          |
| 1996 | MEAN    | 12.7  | 12.6  | 10.4  | 11.4  | 10.0  | 8.6   | 8.3   | 6.2   | 8.2   | 9.3   | 9.8   | 14.6  | 10.1     |          |
|      | MAXIMUM | 44.7  | 45.7  | 37.7  | 42.6  | 27.6  | 24.1  | 22.2  | 19.4  | 28.6  | 31.7  | 46.3  | 41.2  | 46.3     |          |
|      | DAY-HR  | 20-18 | 20-10 | 22-06 | 23-13 | 17-22 | 16-10 | 10-18 | 06-19 | 23-01 | 19-00 | 19-11 | 31-21 | NOV      |          |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.0   | 0.0      |          |
|      | DAY-HR  | 09-15 | 15-16 | 27-16 | 09-15 | 29-12 | 28-15 | 29-11 | 25-02 | 24-06 | 22-20 | 25-21 | 08-10 | DEC      |          |
|      | # OBS   | 737   | 688   | 741   | 733   | 736   | 715   | 836   | 787   | 716   | 735   | 691   | 734   | 8849     |          |
| 1997 | MEAN    | 11.2  | 8.8   | 12.4  | 11.3  | 8.7   | 8.6   | 7.3   | 7.6   | 8.4   | 12.1  | 9.1   | 9.1   | 9.6      |          |
|      | MAXIMUM | 39.9  | 31.5  | 38.3  | 38.3  | 29.0  | 26.8  | 24.1  | 27.2  | 32.3  | 39.9  | 44.5  | 35.0  | 44.5     |          |
|      | DAY-HR  | 01-04 | 16-22 | 01-22 | 20-03 | 30-20 | 08-22 | 11-22 | 25-22 | 15-19 | 09-12 | 19-13 | 16-07 | NOV      |          |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      |          |
|      | DAY-HR  | 29-12 | 26-01 | 30-10 | 27-12 | 30-15 | 30-12 | 31-10 | 30-05 | 25-10 | 27-08 | 12-03 | 28-04 | DEC      |          |
|      | # OBS   | 731   | 656   | 743   | 706   | 731   | 714   | 727   | 738   | 711   | 737   | 700   | 739   | 8633     |          |
| 1998 | MEAN    | 13.1  | 11.6  | 9.5   | 8.5   | 8.2   | 8.2   | 6.8   | 6.6   | 7.1   | 9.0   | 13.6  | 14.2  | 9.7      |          |
|      | MAXIMUM | 41.8  | 57.0  | 35.6  | 26.6  | 25.7  | 21.8  | 28.6  | 20.4  | 28.2  | 30.1  | 45.9  | 39.7  | 57.0     |          |
|      | DAY-HR  | 24-19 | 21-05 | 22-01 | 01-02 | 14-17 | 24-20 | 14-21 | 28-20 | 18-15 | 08-01 | 25-20 | 28-01 | FEB      |          |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      |          |
|      | DAY-HR  | 30-22 | 04-02 | 11-05 | 29-15 | 09-13 | 24-05 | 31-11 | 29-08 | 27-06 | 27-06 | 09-02 | 30-12 | DEC      |          |
|      | # OBS   | 716   | 664   | 712   | 689   | 710   | 689   | 729   | 784   | 712   | 691   | 719   | 740   | 8555     |          |
| 1999 | MEAN    | 13.3  | 17.2  | 12.6  | 11.2  | 12.0  | 7.3   | 7.6   | 5.6   | 9.1   | 10.2  | 12.9  | 11.7  | 10.8     |          |
|      | MAXIMUM | 44.7  | 48.0  | 49.2  | 31.9  | 31.7  | 26.8  | 25.9  | 18.9  | 25.9  | 41.6  | 35.8  | 36.9  | 49.2     |          |
|      | DAY-HR  | 20-20 | 06-18 | 03-09 | 03-21 | 02-13 | 13-00 | 12-17 | 07-13 | 10-21 | 27-22 | 06-22 | 07-09 | MAR      |          |
|      | MINIMUM | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      |          |
|      | DAY-HR  | 09-23 | 14-18 | 18-23 | 16-14 | 09-16 | 30-04 | 30-07 | 28-17 | 19-03 | 21-01 | 05-06 | 28-18 | DEC      |          |
|      | # OBS   | 741   | 660   | 719   | 716   | 744   | 719   | 743   | 738   | 714   | 735   | 711   | 742   | 8682     |          |
| 2000 | MEAN    | 11.7  | 10.5  | 10.4  | 10.0  | 10.1  | 10.4  | 5.9   | 6.4   | 7.1   | 8.7   | 8.0   | 9.3   | 9.0      |          |
|      | MAXIMUM | 43.9  | 37.1  | 33.4  | 26.8  | 36.7  | 34.2  | 22.4  | 25.7  | 32.3  | 31.7  | 28.8  | 39.5  | 43.9     |          |
|      | DAY-HR  | 16-18 | 01-08 | 05-23 | 27-14 | 09-12 | 12-13 | 15-18 | 02-18 | 14-11 | 28-07 | 29-14 | 22-09 | JAN      |          |
|      | MINIMUM | 0.0   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      |          |
|      | DAY-HR  | 30-01 | 10-17 | 23-20 | 21-13 | 21-13 | 13-10 | 26-12 | 25-14 | 30-10 | 26-16 | 24-12 | 28-04 | DEC      |          |
|      | # OBS   | 736   | 692   | 740   | 704   | 731   | 713   | 744   | 742   | 718   | 735   | 718   | 740   | 8713     |          |
| 2001 | MEAN    | 8.8   | 9.4   | 11.4  | 9.9   | 11.6  | 8.0   | 7.6   | 8.1   | 7.7   | 8.6   | 11.5  | 12.4  | 9.6      |          |
|      | MAXIMUM | 36.9  | 28.8  | 33.6  | 29.2  | 29.5  | 33.2  | 25.7  | 28.0  | 25.7  | 32.7  | 51.3  | 43.2  | 51.3     |          |
|      | DAY-HR  | 29-08 | 02-07 | 01-22 | 16-23 | 03-00 | 27-20 | 24-19 | 22-20 | 26-01 | 22-21 | 28-19 | 17-04 | NOV      |          |
|      | MINIMUM | 0.0   | 0.4   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      |          |
|      | DAY-HR  | 02-15 | 24-06 | 31-04 | 19-06 | 24-08 | 28-05 | 30-15 | 31-02 | 10-05 | 11-13 | 10-15 | 17-22 | DEC      |          |
|      | # OBS   | 744   | 672   | 739   | 717   | 744   | 718   | 743   | 742   | 717   | 743   | 718   | 741   | 8738     |          |
| POR  | MEAN    | 10.9  | 10.7  | 10.7  | 10.0  | 9.4   | 8.6   | 7.3   | 6.7   | 7.6   | 8.7   | 10.1  | 10.5  | 9.3      |          |
|      | MAXIMUM | 49.2  | 57.0  | 49.2  | 42.6  | 36.7  | 34.2  | 30.1  | 35.2  | 33.6  | 41.6  | 51.3  | 53.1  | 57.0     |          |
|      | YEAR    | 1988  | 1998  | 1999  | 1996  | 2000  | 2000  | 1986  | 1991  | 1992  | 1999  | 2001  | 1995  | FEB/1998 |          |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      |          |
|      | YEAR    | 2001  | 1999  | 2000  | 2001  | 2001  | 2001  | 2001  | 2001  | 2001  | 2001  | 2001  | 2001  | 2001     | DEC/2001 |
|      | # OBS   | 12545 | 11375 | 12507 | 12155 | 12529 | 12148 | 12392 | 12659 | 12118 | 12168 | 12102 | 12582 | 147280   |          |

STATION: CARO3 -- POR (1/1985 - 12/2001)

2 - HIGHEST 5-SECOND AVERAGE DURING 2 OR 8-MINUTE PERIOD PRIOR TO OBSERVATION TIME -- MONTHLY & ANNUAL BY YEAR

ELEMENT: PEAK WIND GUST (KNOTS)

| YEAR | ELEMENT | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN  |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1985 | MEAN    | 7.9   | 14.2  | 15.3  | 10.6  | 9.4   | 11.3  | 8.5   | 6.4   | 8.9   | 11.2  | 10.3  | 8.6   | 10.2 |
|      | MAXIMUM | 28.0  | 46.1  | 47.0  | 43.2  | 42.0  | 40.0  | 26.0  | 22.0  | 36.2  | 44.1  | 35.0  | 49.2  | 49.2 |
|      | DAY-HR  | 14-14 | 11-19 | 26-15 | 23-04 | 02-21 | 06-13 | 13-18 | 30-07 | 12-08 | 22-11 | 22-03 | 02-18 | DEC  |
|      | # OBS   | 741   | 670   | 737   | 716   | 740   | 718   | 739   | 742   | 719   | 717   | 714   | 742   | 8695 |
| 1986 | MEAN    | 13.8  | 15.4  | 12.2  | 13.6  | 10.9  | 10.8  | 8.4   | 7.2   | 9.8   | 9.7   | 14.1  | 11.2  | 11.4 |
|      | MAXIMUM | 49.2  | 41.0  | 42.0  | 43.2  | 36.2  | 32.1  | 43.2  | 25.1  | 40.0  | 43.2  | 43.2  | 53.1  | 53.1 |
|      | DAY-HR  | 08-07 | 23-14 | 07-11 | 15-22 | 01-12 | 14-13 | 04-09 | 04-20 | 23-21 | 29-23 | 27-02 | 22-10 | DEC  |
|      | # OBS   | 739   | 658   | 727   | 718   | 735   | 719   | 743   | 739   | 720   | 738   | 693   | 739   | 8668 |
| 1987 | MEAN    | 14.0  | 13.1  | 12.9  | 10.0  | 11.2  | 10.8  | 7.7   | 9.3   | 7.1   | 6.9   | 11.4  | 14.9  | 10.8 |
|      | MAXIMUM | 52.1  | 54.0  | 50.2  | 39.1  | 40.0  | 37.1  | 36.2  | 27.0  | 35.0  | 27.0  | 39.1  | 53.1  | 54.0 |

|      |         |       |       |       |       |       |       |       |       |       |       |       |       |          |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|      | DAY-HR  | 25-12 | 01-05 | 03-22 | 05-21 | 30-15 | 20-22 | 18-22 | 01-22 | 14-17 | 16-01 | 30-22 | 01-09 | FEB      |
|      | # OBS   | 737   | 669   | 741   | 718   | 740   | 714   | 743   | 742   | 681   | 740   | 714   | 744   | 8683     |
| 1988 | MEAN    | 13.4  | 8.8   | 12.5  | 11.0  | 11.9  | 8.2   | 8.3   | 8.1   | 9.7   | 8.2   | 14.3  | 11.6  | 10.5     |
|      | MAXIMUM | 55.0  | 34.0  | 40.0  | 45.1  | 35.0  | 36.2  | 37.1  | 27.0  | 33.0  | 28.0  | 45.1  | 41.0  | 55.0     |
|      | DAY-HR  | 14-07 | 08-21 | 23-02 | 02-22 | 04-02 | 02-20 | 12-20 | 20-22 | 25-07 | 27-01 | 22-16 | 30-10 | JAN      |
|      | # OBS   | 744   | 694   | 741   | 719   | 742   | 719   | 742   | 738   | 718   | 744   | 716   | 741   | 8758     |
| 1989 | MEAN    | 11.0  | 11.2  | 14.1  | 10.4  | 8.3   | 9.1   | 8.1   | 8.1   | 7.1   | 7.9   | 9.7   | 12.0  | 9.8      |
|      | MAXIMUM | 40.0  | 38.1  | 51.1  | 35.0  | 32.1  | 36.5  | 29.0  | 31.1  | 28.4  | 33.8  | 39.9  | 43.9  | 51.1     |
|      | DAY-HR  | 09-00 | 16-21 | 05-18 | 01-20 | 24-03 | 30-00 | 17-00 | 01-23 | 29-18 | 26-09 | 23-15 | 04-22 | MAR      |
|      | # OBS   | 743   | 667   | 736   | 717   | 731   | 708   | 737   | 740   | 720   | 422   | 720   | 739   | 8380     |
| 1990 | MEAN    | 17.3  | 14.9  | 12.7  | 10.7  | 12.8  | 11.5  | 9.8   | 8.9   | 8.5   | 10.5  | 12.8  | 12.3  | 11.9     |
|      | MAXIMUM | 56.4  | 42.4  | 43.7  | 49.8  | 38.1  | 31.9  | 38.7  | 30.3  | 36.7  | 40.2  | 42.4  | 47.4  | 56.4     |
|      | DAY-HR  | 07-05 | 05-15 | 10-04 | 22-18 | 20-00 | 03-03 | 05-02 | 17-09 | 14-21 | 27-19 | 25-07 | 04-13 | JAN      |
|      | # OBS   | 743   | 670   | 738   | 712   | 741   | 716   | 741   | 743   | 715   | 742   | 720   | 742   | 8723     |
| 1991 | MEAN    | 14.8  | 12.9  | 12.9  | 13.1  | 10.9  | 9.2   | 9.2   | 11.4  | 9.4   | 11.5  | 12.2  | 9.6   | 11.4     |
|      | MAXIMUM | 48.0  | 41.6  | 57.5  | 43.2  | 38.9  | 29.5  | 29.2  | 44.3  | 27.0  | 45.1  | 65.7  | 36.5  | 65.7     |
|      | DAY-HR  | 12-03 | 02-11 | 02-18 | 05-10 | 29-20 | 04-06 | 05-19 | 29-19 | 21-23 | 25-20 | 17-02 | 05-21 | NOV      |
|      | # OBS   | 744   | 670   | 741   | 720   | 744   | 719   | 743   | 736   | 718   | 742   | 717   | 742   | 8736     |
| 1992 | MEAN    | 14.3  | 11.9  | 9.5   | 13.1  | 10.7  | 10.7  | 9.4   | 8.1   | 10.1  | 13.0  | 10.5  | 14.0  | 11.3     |
|      | MAXIMUM | 53.5  | 47.4  | 30.9  | 42.4  | 26.6  | 31.7  | 24.1  | 25.3  | 43.5  | 44.3  | 51.5  | 60.8  | 60.8     |
|      | DAY-HR  | 25-03 | 20-10 | 27-23 | 17-01 | 12-23 | 02-10 | 24-19 | 07-00 | 23-05 | 31-17 | 21-19 | 10-10 | DEC      |
|      | # OBS   | 739   | 685   | 738   | 718   | 741   | 718   | 740   | 742   | 712   | 732   | 710   | 735   | 8710     |
| 1993 | MEAN    | 12.5  | 12.5  | 13.1  | 15.4  | 11.8  | 10.9  | 10.1  | 8.1   | 7.2   | 8.2   | 10.1  | 13.8  | 11.2     |
|      | MAXIMUM | 58.9  | 39.9  | 43.9  | 41.8  | 39.7  | 33.6  | 33.6  | 29.2  | 24.1  | 26.8  | 35.8  | 63.8  | 63.8     |
|      | DAY-HR  | 20-09 | 21-10 | 17-02 | 01-18 | 24-00 | 09-18 | 22-04 | 23-05 | 21-19 | 21-04 | 29-13 | 10-07 | DEC      |
|      | # OBS   | 733   | 637   | 731   | 719   | 739   | 709   | 478   | 728   | 704   | 741   | 715   | 743   | 8377     |
| 1994 | MEAN    | 12.9  | 13.4  | 13.8  | 13.0  | 10.2  | 10.1  | 9.8   | 5.3   | 10.1  | 10.8  | 14.9  | 16.3  | 11.7     |
|      | MAXIMUM | 43.2  | 40.2  | 47.0  | 36.5  | 33.2  | 38.9  | 24.9  | 19.1  | 33.4  | 48.6  | 53.8  | 45.3  | 53.8     |
|      | DAY-HR  | 01-09 | 21-09 | 20-23 | 24-22 | 04-07 | 13-04 | 16-18 | 30-20 | 03-05 | 27-13 | 04-19 | 11-20 | NOV      |
|      | # OBS   | 738   | 651   | 738   | 716   | 738   | 719   | 716   | 734   | 705   | 735   | 712   | 740   | 8642     |
| 1995 | MEAN    | 16.1  | 13.4  | 14.9  | 11.6  | 12.4  | 11.5  | 7.6   | 8.0   | 10.1  | 11.4  | 16.7  | 14.1  | 12.3     |
|      | MAXIMUM | 51.7  | 52.5  | 49.2  | 41.2  | 34.2  | 29.5  | 28.6  | 35.4  | 35.2  | 45.3  | 45.7  | 66.1  | 66.1     |
|      | DAY-HR  | 10-00 | 17-13 | 21-01 | 20-04 | 01-18 | 17-18 | 18-01 | 06-23 | 04-21 | 26-06 | 18-02 | 12-20 | DEC      |
|      | # OBS   | 735   | 669   | 739   | 713   | 739   | 716   | 739   | 741   | 713   | 735   | 711   | 738   | 8688     |
| 1996 | MEAN    | 15.9  | 16.5  | 12.6  | 14.4  | 11.8  | 10.1  | 9.8   | 7.5   | 9.8   | 11.6  | 12.6  | 18.8  | 12.5     |
|      | MAXIMUM | 52.3  | 53.8  | 43.7  | 59.9  | 42.2  | 31.3  | 27.8  | 21.6  | 39.5  | 46.3  | 73.5  | 63.0  | 73.5     |
|      | DAY-HR  | 20-18 | 20-10 | 22-06 | 23-13 | 18-09 | 23-16 | 17-18 | 30-11 | 15-01 | 24-05 | 19-08 | 31-21 | NOV      |
|      | # OBS   | 737   | 688   | 741   | 733   | 736   | 715   | 836   | 787   | 716   | 735   | 691   | 733   | 8848     |
| 1997 | MEAN    | 14.5  | 11.0  | 15.7  | 14.2  | 10.7  | 10.4  | 8.8   | 9.4   | 10.4  | 15.2  | 11.8  | 11.8  | 12.0     |
|      | MAXIMUM | 53.5  | 41.0  | 47.2  | 53.3  | 36.0  | 31.3  | 27.2  | 36.2  | 38.3  | 51.1  | 54.4  | 45.9  | 54.4     |
|      | DAY-HR  | 01-04 | 16-20 | 01-22 | 20-02 | 27-05 | 08-22 | 11-22 | 25-21 | 14-22 | 30-23 | 19-13 | 16-06 | NOV      |
|      | # OBS   | 731   | 656   | 741   | 704   | 731   | 714   | 727   | 738   | 711   | 737   | 700   | 739   | 8629     |
| 1998 | MEAN    | 17.2  | 15.5  | 12.1  | 10.6  | 10.1  | 9.6   | 8.2   | 8.0   | 8.8   | 11.3  | 17.7  | 18.0  | 12.2     |
|      | MAXIMUM | 48.8  | 74.1  | 46.7  | 33.6  | 31.5  | 29.5  | 39.5  | 22.6  | 40.2  | 41.4  | 68.8  | 54.0  | 74.1     |
|      | DAY-HR  | 17-04 | 21-05 | 22-01 | 06-22 | 14-17 | 24-20 | 14-21 | 28-20 | 18-11 | 08-01 | 25-20 | 25-23 | FEB      |
|      | # OBS   | 716   | 664   | 711   | 689   | 710   | 689   | 728   | 784   | 712   | 691   | 719   | 740   | 8553     |
| 1999 | MEAN    | 16.6  | 22.0  | 15.7  | 13.2  | 14.1  | 8.5   | 8.8   | 6.6   | 10.6  | 12.3  | 16.5  | 14.7  | 13.2     |
|      | MAXIMUM | 57.9  | 64.7  | 56.8  | 43.0  | 37.5  | 33.0  | 29.2  | 24.1  | 29.4  | 52.7  | 46.3  | 46.3  | 64.7     |
|      | DAY-HR  | 29-21 | 06-17 | 03-09 | 04-05 | 02-13 | 13-00 | 12-17 | 07-15 | 10-20 | 27-22 | 26-08 | 17-23 | FEB      |
|      | # OBS   | 739   | 660   | 719   | 716   | 744   | 719   | 743   | 738   | 714   | 735   | 711   | 742   | 8680     |
| 2000 | MEAN    | 14.8  | 13.4  | 12.6  | 12.0  | 12.0  | 12.4  | 7.0   | 7.6   | 8.6   | 10.6  | 10.1  | 11.6  | 11.0     |
|      | MAXIMUM | 52.5  | 50.3  | 44.3  | 33.2  | 40.4  | 49.8  | 24.9  | 28.0  | 37.5  | 42.4  | 38.3  | 47.0  | 52.5     |
|      | DAY-HR  | 16-14 | 01-08 | 10-22 | 25-11 | 09-12 | 12-13 | 15-18 | 02-18 | 14-11 | 28-07 | 23-17 | 22-09 | JAN      |
|      | # OBS   | 736   | 692   | 740   | 704   | 731   | 712   | 741   | 742   | 717   | 734   | 718   | 740   | 8707     |
| 2001 | MEAN    | 11.1  | 11.7  | 13.8  | 12.1  | 13.5  | 9.4   | 8.8   | 9.6   | 8.9   | 10.3  | 14.6  | 15.8  | 11.6     |
|      | MAXIMUM | 41.2  | 39.9  | 48.2  | 40.8  | 38.3  | 40.2  | 28.6  | 36.2  | 30.5  | 44.3  | 62.8  | 54.4  | 62.8     |
|      | DAY-HR  | 29-03 | 02-13 | 01-22 | 16-23 | 14-18 | 27-19 | 24-20 | 23-02 | 26-01 | 22-22 | 28-19 | 17-04 | NOV      |
|      | # OBS   | 744   | 672   | 739   | 717   | 744   | 718   | 743   | 743   | 717   | 743   | 718   | 741   | 8739     |
| POR  | MEAN    | 14.0  | 13.6  | 13.3  | 12.3  | 11.3  | 10.3  | 8.7   | 8.1   | 9.1   | 10.7  | 13.0  | 13.5  | 11.5     |
|      | MAXIMUM | 58.9  | 74.1  | 57.5  | 59.9  | 42.2  | 49.8  | 43.2  | 44.3  | 43.5  | 52.7  | 73.5  | 66.1  | 74.1     |
|      | YEAR    | 1993  | 1998  | 1991  | 1996  | 1996  | 2000  | 1986  | 1991  | 1992  | 1999  | 1996  | 1996  | FEB/1998 |
|      | # OBS   | 12539 | 11372 | 12498 | 12149 | 12526 | 12142 | 12379 | 12657 | 12112 | 12163 | 12099 | 12580 | 147216   |

STATION: CAR03 -- POR (1/1996 - 12/2001)

2 - HIGHEST 5-SECOND AVERAGE DURING PAST HOUR -- MONTHLY & ANNUAL BY YEAR

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

| YEAR | ELEMENT | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN      |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 1996 | MEAN    | 20.9  | 21.2  | 16.1  | 18.8  | 14.4  | 12.3  | 12.2  | 9.8   | 12.4  | 15.2  | 16.4  | 24.1  | 16.1     |
|      | MAXIMUM | 61.4  | 64.0  | 45.5  | 62.6  | 42.2  | 31.3  | 33.8  | 25.1  | 42.0  | 51.5  | 73.5  | 64.7  | 73.5     |
|      | DAY-HR  | 20-18 | 20-09 | 22-07 | 23-21 | 18-09 | 23-17 | 17-18 | 30-11 | 15-02 | 18-02 | 19-08 | 31-22 | NOV      |
|      | MINIMUM | 1.9   | 1.9   | 1.7   | 0.6   | 1.6   | 1.0   | 2.1   | 1.2   | 1.2   | 1.6   | 2.5   | 3.9   | 0.6      |
|      | DAY-HR  | 08-23 | 11-03 | 20-06 | 07-15 | 21-04 | 20-13 | 24-02 | 08-11 | 05-08 | 21-03 | 05-02 | 18-20 | APR      |
|      | # OBS   | 736   | 688   | 741   | 733   | 760   | 715   | 813   | 787   | 715   | 735   | 691   | 734   | 8848     |
| 1997 | MEAN    | 18.8  | 14.2  | 20.5  | -     | 13.4  | 12.9  | 11.0  | 12.5  | 13.4  | 19.5  | 15.5  | 15.4  | 15.2     |
|      | MAXIMUM | 67.8  | 51.3  | 55.6  | -     | 45.7  | 35.6  | 29.2  | 39.3  | 51.3  | 59.9  | 61.8  | 55.0  | 67.8     |
|      | DAY-HR  | 01-04 | 16-22 | 02-01 | -     | 03-01 | 09-01 | 12-02 | 25-22 | 17-08 | 09-12 | 19-13 | 16-09 | JAN      |
|      | MINIMUM | 1.6   | 1.7   | 0.6   | -     | 1.2   | 0.0   | 0.2   | 0.0   | 0.8   | 2.3   | 0.8   | 1.4   | 0.0      |
|      | DAY-HR  | 05-02 | 26-00 | 20-16 | -     | 19-15 | 25-10 | 31-09 | 16-16 | 07-06 | 27-06 | 04-05 | 28-04 | AUG      |
|      | # OBS   | 730   | 656   | 742   | -     | 707   | 714   | 727   | 714   | 711   | 737   | 700   | 739   | 7877     |
| 1998 | MEAN    | 22.9  | 21.1  | 15.8  | 13.7  | 13.0  | 12.0  | 10.4  | 10.2  | 11.4  | 14.8  | 23.0  | 23.1  | 15.9     |
|      | MAXIMUM | 59.9  | 79.3  | 54.2  | 43.2  | 43.2  | 31.9  | 42.0  | 27.4  | 44.7  | 51.1  | 78.3  | 62.8  | 79.3     |
|      | DAY-HR  | 14-18 | 21-06 | 22-02 | 11-02 | 14-17 | 24-23 | 14-22 | 30-12 | 18-14 | 27-22 | 25-19 | 28-05 | FEB      |
|      | MINIMUM | 3.9   | 2.9   | 0.0   | 1.2   | 1.9   | 0.0   | 0.0   | 0.0   | 1.0   | 1.9   | 2.9   | 2.3   | 0.0      |
|      | DAY-HR  | 27-02 | 04-03 | 10-04 | 21-08 | 09-14 | 24-05 | 01-09 | 20-08 | 15-14 | 22-00 | 12-05 | 30-12 | AUG      |
|      | # OBS   | 716   | 663   | 711   | 688   | 709   | 689   | 726   | 781   | 712   | 691   | 742   | 740   | 8568     |
| 1999 | MEAN    | 21.9  | 28.3  | 20.7  | 16.7  | 17.4  | 10.9  | 11.2  | 8.8   | 13.0  | 15.4  | 21.7  | 19.2  | 17.0     |
|      | MAXIMUM | 59.7  | 71.2  | 68.2  | 46.1  | 44.3  | 39.1  | 31.3  | 29.0  | 31.1  | 60.5  | 54.2  | 59.3  | 71.2     |
|      | DAY-HR  | 21-05 | 06-18 | 03-06 | 03-21 | 06-21 | 13-00 | 12-20 | 07-10 | 10-21 | 28-05 | 26-08 | 02-12 | FEB      |
|      | MINIMUM | 2.9   | 2.5   | 2.7   | 0.6   | 2.5   | 1.0   | 2.5   | 1.2   | 1.6   | 1.7   | 2.3   | 1.6   | 0.6      |
|      | DAY-HR  | 13-04 | 14-18 | 24-22 | 12-12 | 06-03 | 18-07 | 28-02 | 01-05 | 08-11 | 12-09 | 02-23 | 28-18 | APR      |
|      | # OBS   | 764   | 660   | 719   | 716   | 744   | 719   | 742   | 738   | 714   | 735   | 711   | 742   | 8704     |
| 2000 | MEAN    | 19.7  | 17.9  | 16.3  | 15.6  | 15.1  | 15.3  | 9.1   | 9.7   | 11.3  | 13.8  | 13.1  | 15.5  | 14.4     |
|      | MAXIMUM | 76.6  | 54.6  | 140.7 | 43.0  | 42.8  | 49.8  | 28.8  | 31.9  | 43.4  | 48.2  | 44.1  | 54.2  | 140.7    |
|      | DAY-HR  | 16-14 | 01-12 | 23-21 | 28-10 | 10-16 | 12-13 | 15-17 | 02-18 | 14-12 | 28-06 | 29-12 | 22-10 | MAR      |
|      | MINIMUM | 2.7   | 2.3   | 2.3   | 1.2   | 1.0   | 1.0   | 0.8   | 1.2   | 0.8   | 1.6   | 2.1   | 1.9   | 0.8      |
|      | DAY-HR  | 26-22 | 17-21 | 13-04 | 21-14 | 19-11 | 13-11 | 04-09 | 10-16 | 26-05 | 12-05 | 08-02 | 30-10 | SEP      |
|      | # OBS   | 736   | 692   | 738   | 704   | 731   | 710   | 743   | 740   | 709   | 734   | 699   | 734   | 8670     |
| 2001 | MEAN    | 15.0  | 15.5  | 17.1  | 15.6  | 16.3  | 11.9  | 11.1  | 12.0  | 11.3  | 13.0  | 19.4  | 21.1  | 14.9     |
|      | MAXIMUM | 48.4  | 45.5  | 49.0  | 50.0  | 42.6  | 52.5  | 30.3  | 42.8  | 37.3  | 49.4  | 71.5  | 64.2  | 71.5     |
|      | DAY-HR  | 09-22 | 02-14 | 01-23 | 16-23 | 14-22 | 27-21 | 24-20 | 23-01 | 26-00 | 22-23 | 19-19 | 13-23 | NOV      |
|      | MINIMUM | 1.9   | 2.7   | 2.5   | 3.7   | 1.6   | 1.4   | 1.6   | 1.9   | 2.1   | 1.4   | 1.7   | 2.3   | 1.4      |
|      | DAY-HR  | 02-04 | 19-01 | 28-16 | 15-03 | 24-08 | 05-03 | 28-16 | 31-02 | 01-04 | 13-02 | 06-21 | 29-22 | OCT      |
|      | # OBS   | 744   | 670   | 738   | 716   | 744   | 718   | 743   | 741   | 716   | 743   | 718   | 741   | 8732     |
| POR  | MEAN    | 19.9  | 19.7  | 17.8  | 16.1  | 14.9  | 12.5  | 10.9  | 10.5  | 12.1  | 15.3  | 18.2  | 19.7  | 15.6     |
|      | MAXIMUM | 76.6  | 79.3  | 140.7 | 62.6  | 45.7  | 52.5  | 42.0  | 42.8  | 51.3  | 60.5  | 78.3  | 64.7  | 140.7    |
|      | YEAR    | 2000  | 1998  | 2000  | 1996  | 1997  | 2001  | 1998  | 2001  | 1997  | 1999  | 1998  | 1996  | MAR/2000 |
|      | MINIMUM | 1.6   | 1.7   | 0.0   | 0.6   | 1.0   | 0.0   | 0.0   | 0.0   | 0.8   | 1.4   | 0.8   | 1.4   | 0.0      |
|      | YEAR    | 1997  | 1997  | 1998  | 1999  | 2000  | 1998  | 1998  | 1998  | 2000  | 2001  | 1997  | 1997  | AUG/1998 |
|      | # OBS   | 4426  | 4029  | 4389  | 3557  | 4395  | 4265  | 4494  | 4501  | 4277  | 4375  | 4261  | 4430  | 51399    |

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: JAN

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 1.9  | *              | *     | *     | *     | *     | -     | *     | *     | *     | *     | *     | *     | 2.1   | 267   |
| 1 - 3      |      | 0.5            | 0.8   | 1.8   | 2.3   | 2.0   | 1.8   | 1.1   | 0.6   | 0.5   | 0.3   | 0.2   | 0.3   | 12.3  | 1538  |
| 4 - 6      |      | 0.7            | 1.4   | 3.2   | 2.9   | 4.1   | 4.8   | 1.8   | 1.0   | 0.4   | 0.3   | 0.3   | 0.5   | 21.3  | 2674  |
| 7 - 10     |      | 0.9            | 1.7   | 2.2   | 1.3   | 4.1   | 6.4   | 3.1   | 1.8   | 0.5   | 0.5   | 0.4   | 0.8   | 23.5  | 2946  |
| 11 - 15    |      | 1.4            | 2.1   | 0.7   | 0.2   | 0.8   | 1.8   | 5.0   | 2.5   | 0.6   | 0.6   | 0.4   | 0.3   | 16.4  | 2060  |
| 16 - 20    |      | 1.0            | 0.9   | 0.1   | -     | *     | 0.1   | 5.3   | 2.2   | 0.7   | 0.4   | 0.1   | 0.2   | 11.1  | 1388  |
| 21 - 24    |      | 0.1            | *     | *     | -     | -     | -     | 3.7   | 1.5   | 0.6   | 0.1   | *     | *     | 6.1   | 766   |
| 25 - 33    |      | *              | *     | -     | -     | -     | -     | 3.9   | 1.6   | 0.5   | 0.1   | -     | *     | 6.2   | 773   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | 0.4   | 0.4   | 0.2   | -     | -     | -     | 1.0   | 131   |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | 0.0   | 2     |
| TOTAL %    | 1.9  | 4.6            | 7.0   | 8.1   | 6.7   | 11.0  | 14.9  | 24.2  | 11.7  | 4.1   | 2.2   | 1.5   | 2.1   | 100.0 |       |
| TOTAL N    | 239  | 581            | 873   | 1010  | 843   | 1376  | 1872  | 3040  | 1462  | 512   | 282   | 186   | 269   |       | 12545 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: FEB

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |

|         | 0   | 2.0 | *   | *   | 0.1 | 0.1  | 0.1  | 0.1  | *    | *   | *   | *   | *    | -     | 2.4   | 269 |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|------|-------|-------|-----|
| 1 - 3   | 0.6 | 0.9 | 1.8 | 2.2 | 2.0 | 1.8  | 1.2  | 0.9  | 0.3  | 0.3 | 0.3 | 0.3 | 0.6  | 12.7  | 1444  |     |
| 4 - 6   | 1.0 | 1.8 | 3.3 | 2.7 | 3.9 | 4.7  | 1.8  | 1.1  | 0.5  | 0.4 | 0.3 | 0.7 | 22.3 | 2536  |       |     |
| 7 - 10  | 1.6 | 2.4 | 2.2 | 1.2 | 3.4 | 5.0  | 2.9  | 1.7  | 0.8  | 0.4 | 0.4 | 0.6 | 22.5 | 2560  |       |     |
| 11 - 15 | 2.2 | 2.4 | 0.5 | 0.1 | 0.7 | 1.0  | 4.5  | 2.0  | 0.7  | 0.5 | 0.3 | 0.5 | 15.4 | 1753  |       |     |
| 16 - 20 | 1.7 | 1.0 | 0.1 | *   | *   | *    | 4.8  | 2.4  | 0.8  | 0.5 | 0.1 | 0.2 | 11.8 | 1339  |       |     |
| 21 - 24 | 0.9 | 0.1 | -   | -   | *   | -    | 2.8  | 1.7  | 0.5  | 0.2 | *   | 0.1 | 6.3  | 717   |       |     |
| 25 - 33 | 0.3 | *   | -   | -   | -   | -    | 3.3  | 1.5  | 0.7  | 0.1 | -   | *   | 5.8  | 663   |       |     |
| 34 - 47 | *   | -   | -   | -   | -   | -    | 0.4  | 0.2  | 0.1  | *   | -   | -   | 0.8  | 92    |       |     |
| > 48    | *   | -   | -   | -   | -   | -    | -    | *    | -    | -   | -   | -   | 0.1  | 6     |       |     |
| TOTAL % | 2.0 | 8.3 | 8.6 | 7.9 | 6.3 | 10.1 | 12.6 | 21.6 | 11.5 | 4.5 | 2.4 | 1.4 | 2.9  | 100.0 |       |     |
| TOTAL N | 225 | 944 | 982 | 899 | 713 | 1148 | 1429 | 2463 | 1307 | 514 | 270 | 160 | 325  |       | 11379 |     |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: MAR

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 1.5  | *              | *     | *     | *     | *     | 0.1   | 0.1   | *     | *     | *     | *     | -     | 1.9   | 237   |
| 1 - 3      |      | 0.8            | 0.9   | 1.7   | 1.7   | 1.7   | 1.8   | 1.5   | 0.7   | 0.5   | 0.4   | 0.4   | 0.7   | 12.8  | 1606  |
| 4 - 6      |      | 1.3            | 1.7   | 2.6   | 1.7   | 2.8   | 4.3   | 2.0   | 0.9   | 0.8   | 0.6   | 0.6   | 1.0   | 20.3  | 2536  |
| 7 - 10     |      | 2.3            | 2.5   | 1.0   | 0.6   | 1.9   | 4.3   | 3.4   | 2.2   | 1.2   | 0.9   | 0.6   | 1.1   | 21.9  | 2745  |
| 11 - 15    |      | 4.0            | 2.4   | 0.2   | 0.1   | 0.2   | 0.5   | 4.7   | 3.5   | 1.1   | 0.6   | 0.4   | 0.9   | 18.5  | 2314  |
| 16 - 20    |      | 3.4            | 1.2   | -     | -     | *     | *     | 5.2   | 2.5   | 0.8   | 0.5   | 0.1   | 0.2   | 13.9  | 1738  |
| 21 - 24    |      | 1.7            | 0.2   | -     | -     | -     | -     | 2.5   | 1.2   | 0.5   | 0.1   | -     | *     | 6.3   | 786   |
| 25 - 33    |      | 0.8            | *     | -     | -     | -     | -     | 1.7   | 1.0   | 0.4   | *     | -     | -     | 4.1   | 507   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | 0.1   | 0.2   | *     | -     | -     | -     | 0.3   | 37    |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | 0.0   | 1     |
| TOTAL %    | 1.5  | 14.4           | 9.0   | 5.4   | 4.0   | 6.6   | 10.9  | 21.1  | 12.3  | 5.4   | 3.3   | 2.0   | 4.0   | 100.0 |       |
| TOTAL N    | 192  | 1797           | 1123  | 678   | 505   | 823   | 1367  | 2642  | 1534  | 678   | 407   | 256   | 505   |       | 12507 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: APR

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 2.5  | *              | *     | *     | *     | *     | 0.1   | 0.1   | *     | *     | *     | -     | *     | 2.8   | 342   |
| 1 - 3      |      | 1.0            | 0.9   | 1.3   | 1.6   | 1.8   | 1.6   | 1.4   | 1.0   | 0.6   | 0.6   | 0.6   | 1.1   | 13.6  | 1650  |
| 4 - 6      |      | 1.6            | 2.1   | 1.9   | 1.2   | 1.8   | 3.5   | 1.8   | 1.5   | 1.0   | 0.8   | 0.8   | 1.8   | 20.0  | 2437  |
| 7 - 10     |      | 3.6            | 3.5   | 0.7   | 0.2   | 0.9   | 2.6   | 2.9   | 2.6   | 1.9   | 1.0   | 0.7   | 2.2   | 22.8  | 2775  |
| 11 - 15    |      | 5.5            | 2.6   | *     | 0.1   | 0.1   | 0.3   | 4.0   | 4.3   | 1.3   | 0.6   | 0.2   | 1.1   | 19.9  | 2424  |
| 16 - 20    |      | 4.0            | 1.1   | -     | *     | -     | -     | 3.8   | 3.1   | 0.7   | 0.2   | *     | 0.1   | 13.1  | 1594  |
| 21 - 24    |      | 1.3            | 0.2   | -     | -     | -     | -     | 1.8   | 1.3   | 0.3   | 0.1   | -     | 0.1   | 5.2   | 633   |
| 25 - 33    |      | 0.4            | 0.1   | -     | -     | -     | -     | 0.9   | 0.6   | 0.2   | *     | -     | -     | 2.3   | 280   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | 0.1   | *     | *     | -     | -     | -     | 0.2   | 20    |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 2.5  | 17.6           | 10.5  | 4.0   | 3.1   | 4.7   | 8.1   | 16.8  | 14.6  | 6.0   | 3.4   | 2.5   | 6.4   | 100.0 |       |
| TOTAL N    | 301  | 2135           | 1276  | 481   | 373   | 566   | 984   | 2043  | 1776  | 726   | 412   | 300   | 782   |       | 12155 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: MAY

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 2.8  | *              | 0.1   | *     | *     | 0.1   | *     | *     | *     | *     | *     | *     | *     | 3.2   | 397   |
| 1 - 3      |      | 1.5            | 1.5   | 1.7   | 1.4   | 1.4   | 1.3   | 1.3   | 1.4   | 0.7   | 0.5   | 0.8   | 1.2   | 14.6  | 1831  |
| 4 - 6      |      | 2.7            | 3.3   | 1.7   | 0.8   | 1.1   | 2.6   | 1.8   | 1.5   | 1.1   | 0.8   | 0.8   | 1.9   | 20.1  | 2522  |
| 7 - 10     |      | 5.7            | 4.9   | 0.6   | 0.1   | 0.4   | 1.8   | 2.6   | 2.7   | 1.4   | 0.8   | 0.5   | 2.1   | 23.5  | 2942  |
| 11 - 15    |      | 8.4            | 4.1   | *     | -     | -     | 0.1   | 2.8   | 3.5   | 1.0   | 0.5   | 0.1   | 1.1   | 21.4  | 2679  |
| 16 - 20    |      | 5.4            | 1.1   | -     | -     | -     | *     | 2.2   | 2.2   | 0.3   | 0.2   | *     | 0.2   | 11.7  | 1464  |
| 21 - 24    |      | 1.7            | 0.2   | -     | -     | -     | -     | 1.1   | 0.8   | 0.2   | 0.1   | -     | *     | 4.0   | 505   |
| 25 - 33    |      | 0.4            | *     | -     | -     | -     | -     | 0.4   | 0.5   | 0.1   | *     | -     | *     | 1.5   | 186   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | -     | *     | *     | -     | -     | -     | 0.0   | 3     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 2.8  | 25.7           | 15.2  | 4.0   | 2.3   | 2.9   | 5.8   | 12.3  | 12.6  | 4.8   | 2.9   | 2.1   | 6.6   | 100.0 |       |
| TOTAL N    | 348  | 3224           | 1900  | 497   | 294   | 360   | 729   | 1537  | 1577  | 605   | 367   | 267   | 824   |       | 12529 |

(\* < 0.05%)

STATION: CARO3



3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: JUN

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 3.0  | 0.1            | 0.1   | *     | *     | *     | 0.1   | *     | *     | *     | *     | *     | 0.1   | 3.4   | 415   |
| 1 - 3      |      | 1.9            | 2.1   | 2.2   | 1.6   | 1.0   | 1.2   | 1.4   | 1.4   | 0.7   | 0.6   | 0.8   | 1.3   | 16.1  | 1950  |
| 4 - 6      |      | 3.6            | 5.6   | 2.2   | 0.5   | 0.7   | 1.7   | 1.7   | 1.9   | 0.8   | 0.7   | 0.5   | 1.8   | 21.7  | 2636  |
| 7 - 10     |      | 6.2            | 10.1  | 1.2   | *     | 0.1   | 0.9   | 2.6   | 2.9   | 1.0   | 0.4   | 0.2   | 1.3   | 27.0  | 3274  |
| 11 - 15    |      | 7.2            | 5.4   | 0.1   | -     | -     | *     | 2.9   | 3.0   | 0.4   | 0.1   | *     | 0.4   | 19.6  | 2386  |
| 16 - 20    |      | 4.1            | 1.3   | -     | -     | -     | -     | 1.7   | 1.8   | 0.1   | 0.1   | -     | *     | 9.0   | 1096  |
| 21 - 24    |      | 1.2            | 0.3   | -     | -     | -     | -     | 0.6   | 0.4   | *     | *     | -     | -     | 2.5   | 300   |
| 25 - 33    |      | 0.2            | *     | -     | -     | -     | -     | 0.4   | 0.2   | *     | -     | -     | -     | 0.7   | 90    |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | -     | 0.0   | 1     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 3.0  | 24.3           | 24.9  | 5.7   | 2.1   | 1.8   | 4.0   | 11.1  | 11.5  | 3.1   | 2.0   | 1.6   | 4.9   | 100.0 |       |
| TOTAL N    | 359  | 2957           | 3023  | 691   | 260   | 218   | 484   | 1352  | 1400  | 372   | 239   | 193   | 600   |       | 12148 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: JUL

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 2.7  | 0.1            | 0.1   | *     | 0.1   | *     | 0.1   | *     | *     | *     | *     | *     | 0.1   | 3.4   | 423   |
| 1 - 3      |      | 2.7            | 3.7   | 3.2   | 1.1   | 0.6   | 0.7   | 1.0   | 1.9   | 1.1   | 0.8   | 0.6   | 1.2   | 18.7  | 2318  |
| 4 - 6      |      | 3.7            | 10.0  | 5.8   | 0.4   | 0.1   | 0.8   | 1.1   | 2.8   | 0.8   | 0.3   | 0.2   | 1.4   | 27.4  | 3398  |
| 7 - 10     |      | 5.1            | 14.6  | 3.3   | 0.1   | *     | 0.4   | 1.4   | 3.1   | 0.4   | 0.1   | *     | 0.8   | 29.2  | 3624  |
| 11 - 15    |      | 4.7            | 6.8   | 0.1   | -     | -     | *     | 1.0   | 1.9   | 0.1   | *     | *     | 0.3   | 14.8  | 1838  |
| 16 - 20    |      | 2.8            | 1.0   | -     | -     | -     | -     | 0.7   | 0.8   | *     | *     | -     | *     | 5.3   | 656   |
| 21 - 24    |      | 0.5            | 0.1   | -     | -     | -     | -     | 0.2   | 0.2   | -     | -     | -     | -     | 0.9   | 111   |
| 25 - 33    |      | 0.1            | *     | -     | -     | -     | -     | 0.1   | 0.1   | -     | -     | -     | -     | 0.2   | 24    |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 2.7  | 19.7           | 36.1  | 12.4  | 1.6   | 0.8   | 2.0   | 5.4   | 10.9  | 2.5   | 1.1   | 0.9   | 3.9   | 100.0 |       |
| TOTAL N    | 340  | 2443           | 4477  | 1538  | 200   | 100   | 242   | 672   | 1347  | 307   | 140   | 108   | 478   |       | 12392 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: AUG

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 4.0  | *              | 0.1   | *     | 0.1   | *     | 0.1   | 0.1   | 0.1   | *     | *     | 0.1   | 0.1   | 4.7   | 594   |
| 1 - 3      |      | 3.1            | 4.6   | 4.3   | 2.1   | 0.9   | 1.0   | 1.1   | 1.8   | 1.3   | 1.0   | 1.0   | 1.5   | 23.7  | 2996  |
| 4 - 6      |      | 3.1            | 10.6  | 6.4   | 0.8   | 0.4   | 0.9   | 1.1   | 2.4   | 0.9   | 0.2   | 0.2   | 0.9   | 28.1  | 3555  |
| 7 - 10     |      | 3.4            | 12.8  | 3.1   | 0.1   | 0.1   | 0.6   | 1.2   | 2.9   | 0.3   | *     | *     | 0.5   | 25.0  | 3167  |
| 11 - 15    |      | 3.4            | 4.4   | 0.1   | *     | -     | 0.1   | 1.4   | 2.6   | 0.2   | -     | -     | 0.1   | 12.3  | 1557  |
| 16 - 20    |      | 1.8            | 0.9   | -     | -     | -     | -     | 0.9   | 1.1   | *     | -     | -     | *     | 4.8   | 605   |
| 21 - 24    |      | 0.3            | *     | -     | -     | -     | -     | 0.4   | 0.4   | -     | -     | -     | -     | 1.1   | 140   |
| 25 - 33    |      | *              | -     | -     | -     | -     | -     | 0.1   | 0.2   | -     | -     | -     | -     | 0.3   | 43    |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | 0.0   | 2     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 4.0  | 15.1           | 33.5  | 14.0  | 3.0   | 1.4   | 2.7   | 6.3   | 11.5  | 2.7   | 1.2   | 1.3   | 3.1   | 100.0 |       |
| TOTAL N    | 508  | 1911           | 4241  | 1768  | 386   | 181   | 338   | 802   | 1460  | 343   | 158   | 170   | 393   |       | 12659 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: SEP

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 3.8  | 0.1            | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | *     | 0.1   | *     | 0.1   | 0.1   | 0.1   | 4.5   | 546   |
| 1 - 3      |      | 1.9            | 3.2   | 3.9   | 2.2   | 1.2   | 1.1   | 1.2   | 1.9   | 1.2   | 0.7   | 0.6   | 1.0   | 20.1  | 2430  |
| 4 - 6      |      | 2.0            | 7.8   | 6.5   | 1.2   | 0.8   | 1.6   | 1.3   | 2.6   | 0.9   | 0.2   | 0.2   | 0.5   | 25.5  | 3096  |
| 7 - 10     |      | 3.0            | 11.4  | 3.5   | 0.2   | 0.1   | 1.5   | 1.8   | 3.1   | 0.6   | 0.1   | *     | 0.4   | 25.7  | 3110  |
| 11 - 15    |      | 3.9            | 4.9   | 0.2   | *     | *     | 0.1   | 2.4   | 3.0   | 0.2   | *     | -     | 0.1   | 14.9  | 1809  |
| 16 - 20    |      | 2.4            | 1.0   | -     | -     | -     | -     | 1.6   | 1.6   | 0.1   | -     | -     | *     | 6.7   | 810   |
| 21 - 24    |      | 0.5            | 0.1   | -     | -     | -     | -     | 1.0   | 0.3   | *     | *     | -     | -     | 1.8   | 224   |
| 25 - 33    |      | 0.1            | -     | -     | -     | -     | -     | 0.5   | 0.2   | -     | -     | -     | -     | 0.8   | 92    |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | -     | 0.0   | 1     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 3.8  | 13.8           | 28.5  | 14.1  | 3.7   | 2.2   | 4.4   | 9.8   | 12.8  | 3.0   | 1.1   | 0.8   | 2.1   | 100.0 |       |
| TOTAL N    | 455  | 1674           | 3452  | 1706  | 446   | 262   | 536   | 1191  | 1551  | 368   | 128   | 100   | 249   |       | 12118 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: OCT

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 4.3  | *              | 0.1   | *     | 0.1   | 0.1   | *     | 0.1   | 0.1   | 0.1   | *     | *     | 0.1   | 4.9   | 602   |
| 1 - 3      |      | 1.2            | 2.4   | 3.3   | 2.3   | 1.8   | 1.6   | 1.7   | 1.7   | 0.9   | 0.6   | 0.4   | 0.7   | 18.7  | 2271  |
| 4 - 6      |      | 1.6            | 4.5   | 5.5   | 1.5   | 1.6   | 2.4   | 2.1   | 1.9   | 0.8   | 0.2   | 0.3   | 0.6   | 22.9  | 2789  |
| 7 - 10     |      | 2.5            | 6.1   | 2.9   | 0.3   | 0.6   | 2.4   | 2.5   | 2.9   | 0.6   | 0.1   | 0.2   | 0.5   | 21.6  | 2624  |
| 11 - 15    |      | 2.7            | 4.4   | 0.4   | 0.1   | 0.1   | 0.6   | 4.0   | 2.8   | 0.3   | 0.1   | *     | 0.3   | 15.7  | 1907  |
| 16 - 20    |      | 2.8            | 1.3   | *     | *     | -     | *     | 3.8   | 1.5   | 0.2   | 0.1   | -     | 0.1   | 10.0  | 1212  |
| 21 - 24    |      | 1.1            | 0.3   | -     | -     | -     | -     | 2.1   | 0.5   | *     | *     | *     | -     | 4.0   | 486   |
| 25 - 33    |      | 0.2            | -     | -     | -     | -     | -     | 1.6   | 0.2   | *     | -     | -     | -     | 2.1   | 255   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | 0.1   | *     | *     | -     | -     | -     | 0.2   | 22    |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 4.3  | 12.1           | 19.2  | 12.1  | 4.3   | 4.1   | 7.0   | 18.0  | 11.6  | 2.9   | 1.2   | 0.9   | 2.2   | 100.0 |       |
| TOTAL N    | 527  | 1469           | 2332  | 1478  | 524   | 504   | 854   | 2191  | 1408  | 353   | 146   | 113   | 269   |       | 12168 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: NOV

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 1.5  | *              | 0.1   | 0.1   | 0.1   | *     | 0.1   | *     | *     | *     | *     | *     | 0.1   | 2.0   | 241   |
| 1 - 3      |      | 0.7            | 0.9   | 2.0   | 2.3   | 2.0   | 2.1   | 1.5   | 1.1   | 0.6   | 0.4   | 0.4   | 0.5   | 14.5  | 1749  |
| 4 - 6      |      | 0.8            | 1.5   | 2.9   | 2.4   | 3.7   | 5.8   | 2.6   | 1.4   | 0.5   | 0.3   | 0.4   | 0.8   | 23.0  | 2786  |
| 7 - 10     |      | 1.2            | 1.8   | 1.3   | 0.6   | 2.8   | 6.5   | 4.4   | 2.2   | 0.7   | 0.5   | 0.6   | 0.5   | 23.1  | 2793  |
| 11 - 15    |      | 1.8            | 1.7   | 0.2   | *     | 0.5   | 2.2   | 5.6   | 2.4   | 0.6   | 0.5   | 0.5   | 0.6   | 16.5  | 1999  |
| 16 - 20    |      | 1.3            | 0.6   | -     | *     | *     | 0.1   | 5.8   | 1.8   | 0.5   | 0.4   | 0.2   | 0.2   | 11.0  | 1326  |
| 21 - 24    |      | 0.3            | 0.1   | -     | -     | -     | -     | 3.5   | 0.7   | 0.2   | 0.1   | *     | 0.1   | 4.9   | 589   |
| 25 - 33    |      | *              | -     | -     | -     | -     | -     | 3.1   | 0.6   | 0.3   | 0.1   | *     | *     | 4.2   | 508   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | 0.6   | 0.2   | 0.1   | -     | -     | -     | 0.9   | 110   |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | 0.0   | 1     |
| TOTAL %    | 1.5  | 6.1            | 6.7   | 6.4   | 5.4   | 8.9   | 16.6  | 27.2  | 10.5  | 3.4   | 2.2   | 2.2   | 2.7   | 100.0 |       |
| TOTAL N    | 180  | 743            | 816   | 779   | 658   | 1082  | 2013  | 3289  | 1266  | 413   | 264   | 268   | 331   |       | 12102 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: DEC

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 1.5  | *              | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 1.8   | 225   |
| 1 - 3      |      | 0.5            | 0.9   | 1.8   | 2.6   | 2.4   | 2.1   | 1.4   | 0.8   | 0.4   | 0.2   | 0.2   | 0.3   | 13.6  | 1715  |
| 4 - 6      |      | 0.7            | 1.5   | 3.5   | 3.1   | 4.2   | 4.8   | 1.8   | 1.1   | 0.4   | 0.3   | 0.3   | 0.4   | 22.0  | 2774  |
| 7 - 10     |      | 0.8            | 2.2   | 2.4   | 1.1   | 4.2   | 7.4   | 2.8   | 1.4   | 0.4   | 0.3   | 0.4   | 0.5   | 24.1  | 3028  |
| 11 - 15    |      | 1.0            | 3.0   | 0.8   | 0.2   | 0.6   | 2.9   | 4.2   | 1.5   | 0.5   | 0.5   | 0.5   | 0.5   | 16.2  | 2034  |
| 16 - 20    |      | 0.8            | 1.5   | 0.1   | *     | -     | *     | 4.5   | 1.5   | 0.7   | 0.5   | 0.2   | 0.2   | 10.1  | 1277  |
| 21 - 24    |      | 0.3            | 0.2   | -     | -     | -     | -     | 3.0   | 1.3   | 0.5   | 0.2   | *     | 0.1   | 5.5   | 697   |
| 25 - 33    |      | 0.1            | 0.1   | -     | -     | -     | -     | 3.6   | 1.0   | 0.5   | 0.2   | *     | *     | 5.5   | 689   |
| 34 - 47    |      | *              | -     | -     | -     | -     | -     | 0.7   | 0.3   | 0.1   | *     | -     | -     | 1.1   | 142   |
| > 48       |      | -              | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | -     | 0.0   | 1     |
| TOTAL %    | 1.5  | 4.2            | 9.5   | 8.6   | 7.0   | 11.5  | 17.3  | 22.0  | 8.8   | 3.4   | 2.3   | 1.8   | 2.0   | 100.0 |       |
| TOTAL N    | 193  | 523            | 1198  | 1077  | 877   | 1449  | 2178  | 2767  | 1113  | 430   | 294   | 226   | 257   |       | 12582 |

(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

All Months: Annual

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 2.6  | *              | *     | *     | *     | *     | 0.1   | *     | *     | *     | *     | *     | *     | 3.1   | 4558  |
| 1 - 3      |      | 1.4            | 1.9   | 2.4   | 1.9   | 1.6   | 1.5   | 1.3   | 1.3   | 0.7   | 0.5   | 0.5   | 0.9   | 16.0  | 23498 |
| 4 - 6      |      | 1.9            | 4.3   | 3.8   | 1.6   | 2.1   | 3.2   | 1.7   | 1.7   | 0.7   | 0.4   | 0.4   | 1.0   | 22.9  | 33739 |
| 7 - 10     |      | 3.0            | 6.2   | 2.0   | 0.5   | 1.5   | 3.3   | 2.6   | 2.5   | 0.8   | 0.4   | 0.3   | 1.0   | 24.2  | 35588 |
| 11 - 15    |      | 3.8            | 3.7   | 0.3   | 0.1   | 0.2   | 0.8   | 3.5   | 2.7   | 0.6   | 0.3   | 0.2   | 0.5   | 16.8  | 24760 |
| 16 - 20    |      | 2.6            | 1.1   | *     | *     | *     | *     | 3.3   | 1.9   | 0.4   | 0.2   | 0.1   | 0.1   | 9.8   | 14505 |
| 21 - 24    |      | 0.8            | 0.2   | *     | -     | *     | -     | 1.9   | 0.9   | 0.2   | 0.1   | *     | *     | 4.0   | 5954  |
| 25 - 33    |      | 0.2            | *     | -     | -     | -     | -     | 1.6   | 0.6   | 0.2   | 0.1   | *     | *     | 2.8   | 4110  |
| 34 - 47    |      | *              | -     | -     | -     | -     | -     | 0.2   | 0.1   | *     | *     | -     | -     | 0.4   | 561   |
| > 48       |      | *              | -     | -     | -     | -     | -     | *     | *     | -     | -     | -     | -     | 0.0   | 11    |

TOTAL % 2.6 13.9 17.4 8.6 4.1 5.5 8.8 16.3 11.7 3.8 2.1 1.6 3.6 100.0  
TOTAL N 3867 20401 25693 12602 6079 8069 13026 23989 17201 5621 3107 2347 5282 147284  
(\* < 0.05%)

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: DEC, JAN, FEB (Winter)

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 1.8  | *              | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 2.1   | 761   |
| 1 - 3      |      | 0.5            | 0.9   | 1.8   | 2.4   | 2.1   | 1.9   | 1.2   | 0.8   | 0.4   | 0.3   | 0.3   | 0.4   | 12.9  | 4697  |
| 4 - 6      |      | 0.8            | 1.6   | 3.4   | 2.9   | 4.1   | 4.8   | 1.8   | 1.0   | 0.4   | 0.3   | 0.3   | 0.5   | 21.9  | 7984  |
| 7 - 10     |      | 1.1            | 2.1   | 2.2   | 1.2   | 3.9   | 6.3   | 2.9   | 1.6   | 0.6   | 0.4   | 0.4   | 0.6   | 23.4  | 8534  |
| 11 - 15    |      | 1.5            | 2.5   | 0.7   | 0.2   | 0.7   | 1.9   | 4.6   | 2.0   | 0.6   | 0.5   | 0.4   | 0.4   | 16.0  | 5847  |
| 16 - 20    |      | 1.2            | 1.1   | 0.1   | *     | *     | *     | 4.8   | 2.0   | 0.8   | 0.5   | 0.2   | 0.2   | 11.0  | 4004  |
| 21 - 24    |      | 0.4            | 0.1   | *     | -     | *     | -     | 3.2   | 1.5   | 0.5   | 0.2   | *     | 0.1   | 6.0   | 2180  |
| 25 - 33    |      | 0.1            | *     | -     | -     | -     | -     | 3.6   | 1.3   | 0.5   | 0.1   | *     | *     | 5.8   | 2125  |
| 34 - 47    |      | *              | -     | -     | -     | -     | -     | 0.5   | 0.3   | 0.1   | *     | -     | -     | 1.0   | 365   |
| > 48       |      | *              | -     | -     | -     | -     | -     | *     | *     | -     | -     | -     | -     | 0.0   | 9     |
| TOTAL %    | 1.8  | 5.6            | 8.4   | 8.2   | 6.7   | 10.9  | 15.0  | 22.7  | 10.6  | 4.0   | 2.3   | 1.6   | 2.3   | 100.0 |       |
| TOTAL N    | 657  | 2048           | 3053  | 2986  | 2433  | 3973  | 5479  | 8270  | 3882  | 1456  | 846   | 572   | 851   | 36506 |       |

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: MAR, APR, MAY (Spring)

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 2.3  | *              | *     | *     | *     | *     | 0.1   | 0.1   | *     | *     | *     | *     | *     | 2.6   | 976   |
| 1 - 3      |      | 1.1            | 1.1   | 1.5   | 1.6   | 1.6   | 1.6   | 1.4   | 1.0   | 0.6   | 0.5   | 0.6   | 1.0   | 13.7  | 5087  |
| 4 - 6      |      | 1.9            | 2.4   | 2.1   | 1.2   | 1.9   | 3.5   | 1.9   | 1.3   | 1.0   | 0.7   | 0.7   | 1.6   | 20.2  | 7495  |
| 7 - 10     |      | 3.9            | 3.6   | 0.8   | 0.3   | 1.0   | 2.9   | 3.0   | 2.5   | 1.5   | 0.9   | 0.6   | 1.8   | 22.8  | 8462  |
| 11 - 15    |      | 5.9            | 3.0   | 0.1   | 0.1   | 0.1   | 0.3   | 3.8   | 3.7   | 1.1   | 0.6   | 0.2   | 1.0   | 19.9  | 7417  |
| 16 - 20    |      | 4.3            | 1.1   | -     | *     | *     | *     | 3.7   | 2.6   | 0.6   | 0.3   | *     | 0.2   | 12.9  | 4796  |
| 21 - 24    |      | 1.6            | 0.2   | -     | -     | -     | -     | 1.8   | 1.1   | 0.3   | 0.1   | -     | *     | 5.2   | 1924  |
| 25 - 33    |      | 0.6            | *     | -     | -     | -     | -     | 1.0   | 0.7   | 0.3   | *     | -     | *     | 2.6   | 973   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | 0.1   | 0.1   | *     | -     | -     | -     | 0.2   | 60    |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | *     | -     | -     | -     | -     | 0.0   | 1     |
| TOTAL %    | 2.3  | 19.2           | 11.6  | 4.5   | 3.2   | 4.7   | 8.3   | 16.7  | 13.1  | 5.4   | 3.2   | 2.2   | 5.7   | 100.0 |       |
| TOTAL N    | 841  | 7156           | 4299  | 1656  | 1172  | 1749  | 3080  | 6222  | 4887  | 2009  | 1186  | 823   | 2111  | 37191 |       |

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: JUN, JUL, AUG (Summer)

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 3.2  | 0.1            | 0.1   | *     | *     | *     | 0.1   | *     | *     | *     | *     | *     | 0.1   | 3.8   | 1432  |
| 1 - 3      |      | 2.6            | 3.5   | 3.2   | 1.6   | 0.8   | 1.0   | 1.2   | 1.7   | 1.0   | 0.8   | 0.8   | 1.3   | 19.5  | 7264  |
| 4 - 6      |      | 3.5            | 8.8   | 4.8   | 0.6   | 0.4   | 1.2   | 1.3   | 2.4   | 0.8   | 0.4   | 0.3   | 1.4   | 25.8  | 9589  |
| 7 - 10     |      | 4.9            | 12.5  | 2.5   | *     | 0.1   | 0.6   | 1.7   | 3.0   | 0.6   | 0.2   | 0.1   | 0.9   | 27.1  | 10065 |
| 11 - 15    |      | 5.0            | 5.5   | 0.1   | *     | -     | *     | 1.7   | 2.5   | 0.2   | 0.1   | *     | 0.3   | 15.5  | 5781  |
| 16 - 20    |      | 2.9            | 1.0   | -     | -     | -     | -     | 1.1   | 1.2   | 0.1   | *     | -     | *     | 6.3   | 2357  |
| 21 - 24    |      | 0.7            | 0.1   | -     | -     | -     | -     | 0.4   | 0.3   | *     | *     | -     | -     | 1.5   | 551   |
| 25 - 33    |      | 0.1            | *     | -     | -     | -     | -     | 0.2   | 0.1   | *     | -     | -     | -     | 0.4   | 157   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | *     | *     | -     | -     | -     | -     | 0.0   | 3     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 3.2  | 19.7           | 31.6  | 10.7  | 2.3   | 1.3   | 2.9   | 7.6   | 11.3  | 2.7   | 1.4   | 1.3   | 4.0   | 100.0 |       |
| TOTAL N    | 1207 | 7311           | 11741 | 3997  | 846   | 499   | 1064  | 2826  | 4207  | 1022  | 537   | 471   | 1471  | 37199 |       |

STATION: CARO3

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: SEP, OCT, NOV (Autumn)

| WIND SPEED | CALM | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |      | 35-01          | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 |       |       |
| 0          | 3.2  | *              | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | *     | *     | *     | *     | 0.1   | 3.8   | 1389  |
| 1 - 3      |      | 1.3            | 2.2   | 3.1   | 2.3   | 1.7   | 1.6   | 1.5   | 1.6   | 0.9   | 0.5   | 0.5   | 0.7   | 17.7  | 6450  |
| 4 - 6      |      | 1.5            | 4.6   | 5.0   | 1.7   | 2.0   | 3.2   | 2.0   | 2.0   | 0.7   | 0.3   | 0.3   | 0.6   | 23.8  | 8671  |
| 7 - 10     |      | 2.2            | 6.5   | 2.6   | 0.4   | 1.1   | 3.5   | 2.9   | 2.8   | 0.6   | 0.2   | 0.3   | 0.5   | 23.4  | 8527  |
| 11 - 15    |      | 2.8            | 3.7   | 0.2   | *     | 0.2   | 1.0   | 4.0   | 2.7   | 0.3   | 0.2   | 0.2   | 0.3   | 15.7  | 5715  |
| 16 - 20    |      | 2.2            | 1.0   | *     | *     | *     | *     | 3.7   | 1.6   | 0.3   | 0.2   | 0.1   | 0.1   | 9.2   | 3348  |
| 21 - 24    |      | 0.6            | 0.2   | -     | -     | -     | -     | 2.2   | 0.5   | 0.1   | *     | *     | *     | 3.6   | 1299  |
| 25 - 33    |      | 0.1            | -     | -     | -     | -     | -     | 1.7   | 0.3   | 0.1   | *     | *     | *     | 2.3   | 855   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | 0.3   | 0.1   | *     | -     | -     | -     | 0.4   | 133   |

|         |      |      |      |      |      |      |      |      |      |      |     |     |     |       |       |   |
|---------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-------|-------|---|
| > 48    | -    | -    | -    | -    | -    | -    | -    | -    | -    | *    | -   | -   | -   | -     | 0.0   | 1 |
| TOTAL % | 3.2  | 10.7 | 18.1 | 10.9 | 4.5  | 5.1  | 9.4  | 18.3 | 11.6 | 3.1  | 1.5 | 1.3 | 2.3 | 100.0 |       |   |
| TOTAL N | 1162 | 3886 | 6600 | 3963 | 1628 | 1848 | 3403 | 6671 | 4225 | 1134 | 538 | 481 | 849 |       | 36388 |   |

(\* < 0.05%)

Summary complete: 09-Sep-2003 08:28:13