

|    | JAN |     | FEB |     | MAR |     | APR  |     | MAY  |     | JUN  |     | JUL  |     | AUG  |     | SEP  |     | OCT |     | NOV |     | DEC |      | ANN  |     |
|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|------|------|-----|
|    | F   | CPF | F   | CPF | F   | CPF | F    | CPF | F    | CPF | F    | CPF | F    | CPF | F    | CPF | F    | CPF | F   | CPF | F   | CPF | F   | CPF  | F    | CPF |
| 33 | -   | -   | -   | -   | -   | -   | -    | -   | -    | -   | -    | -   | 10   | #   | 66   | #   | 17   | #   | -   | -   | -   | -   | -   | -    | 93   | #   |
| 32 | -   | -   | -   | -   | -   | -   | -    | -   | -    | -   | 93   | #   | 690  | 998 | 896  | 989 | 219  | 997 | -   | -   | -   | -   | -   | -    | 1898 | 998 |
| 31 | -   | -   | -   | -   | -   | -   | -    | -   | 43   | #   | 813  | 983 | 2052 | 879 | 2034 | 838 | 1101 | 955 | 9   | #   | -   | -   | -   | -    | 6052 | 968 |
| 30 | -   | -   | -   | -   | -   | -   | -    | -   | 527  | 992 | 1959 | 838 | 2019 | 525 | 1992 | 497 | 1830 | 747 | 120 | 998 | -   | -   | -   | -    | 8447 | 870 |
| 29 | -   | -   | -   | -   | -   | -   | -    | -   | 584  | 895 | 1577 | 488 | 898  | 177 | 654  | 162 | 1205 | 401 | 605 | 969 | -   | -   | -   | -    | 5523 | 734 |
| 28 | -   | -   | -   | -   | -   | -   | 69   | #   | 1343 | 787 | 818  | 206 | 91   | 22  | 225  | 52  | 704  | 173 | 607 | 821 | -   | -   | -   | -    | 3857 | 645 |
| 27 | -   | -   | -   | -   | 6   | #   | 433  | 987 | 1151 | 540 | 171  | 59  | 31   | 6   | 87   | 15  | 199  | 40  | 844 | 673 | 40  | #   | -   | -    | 2962 | 583 |
| 26 | -   | -   | -   | -   | 68  | 999 | 628  | 905 | 763  | 328 | 100  | 29  | 4    | 1   | -    | -   | 12   | 2   | 572 | 467 | 136 | 990 | -   | -    | 2283 | 535 |
| 25 | -   | -   | -   | -   | 220 | 986 | 1071 | 786 | 489  | 188 | 22   | 11  | -    | -   | -    | -   | -    | 446 | 327 | 421 | 954 | 104 | #   | 2773 | 498  |     |
| 24 | -   | -   | 4   | #   | 526 | 943 | 1217 | 583 | 256  | 98  | 5    | 7   | -    | -   | -    | -   | -    | 452 | 218 | 426 | 844 | 355 | 980 | 3241 | 453  |     |
| 23 | -   | -   | 161 | 999 | 556 | 840 | 946  | 353 | 99   | 50  | 9    | 6   | -    | -   | -    | -   | -    | 405 | 108 | 642 | 733 | 314 | 912 | 3132 | 401  |     |
| 22 | 11  | #   | 376 | 965 | 608 | 732 | 498  | 173 | 43   | 32  | 23   | 4   | -    | -   | -    | -   | -    | 37  | 9   | 648 | 566 | 259 | 851 | 2503 | 350  |     |
| 21 | 233 | 998 | 416 | 886 | 676 | 614 | 262  | 79  | 64   | 24  | 2    | *   | -    | -   | -    | -   | -    | -   | -   | -   | 833 | 396 | 810 | 801  | 3296 | 310 |
| 20 | 513 | 957 | 634 | 798 | 928 | 482 | 144  | 29  | 68   | 13  | -    | -   | -    | -   | -    | -   | -    | -   | -   | 467 | 179 | 961 | 645 | 3715 | 257  |     |

|       |          |         |          |         |          |         |          |         |          |          |          |           |          |         |          |         |          |         |          |          |          |         |          |         |          |         |
|-------|----------|---------|----------|---------|----------|---------|----------|---------|----------|----------|----------|-----------|----------|---------|----------|---------|----------|---------|----------|----------|----------|---------|----------|---------|----------|---------|
| 19    | 839      | 866     | 790      | 664     | 943      | 301     | 11       | 2       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | 219      | 57       | 1008     | 460     | 3810     | 197     |          |         |
| 18    | 879      | 718     | 574      | 497     | 346      | 118     | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | 406      | 265     | 2205     | 135     |          |         |
| 17    | 891      | 563     | 616      | 376     | 96       | 50      | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | 337      | 187     | 1940     | 100     |          |         |
| 16    | 1025     | 405     | 754      | 246     | 93       | 32      | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | 300      | 122     | 2172     | 69      |          |         |
| 15    | 519      | 224     | 364      | 86      | 58       | 13      | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | 277      | 64      | 1218     | 34      |          |         |
| 14    | 418      | 132     | 44       | 9       | 11       | 2       | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | 57       | 11      | 530      | 14      |          |         |
| 13    | 287      | 58      | -        | -       | -        | -       | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | -        | -       | 287      | 5       |          |         |
| 12    | 43       | 8       | -        | -       | -        | -       | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | -        | -       | 43       | 1       |          |         |
| 11    | -        | -       | -        | -       | -        | -       | -        | -       | -        | -        | -        | -         | -        | -       | -        | -       | -        | -       | -        | -        | -        | -       | 0        | *       |          |         |
| MEAN  |          | 17.0    |          | 18.4    |          | 20.8    |          | 24.0    |          | 27.0     |          | 29.3      |          | 30.3    |          | 30.4    |          | 29.6    |          | 26.4     |          | 22.2    |          | 19.7    | 24.8     |         |
| S.D.  |          | 2.1     |          | 2.2     |          | 2.3     |          | 1.7     |          | 2.0      |          | 1.3       |          | 0.9     |          | 1.1     |          | 1.2     |          | 2.0      |          | 1.9     |          | 2.5     | 5.1      |         |
| TOTAL |          | 5658    |          | 4733    |          | 5135    |          | 5279    |          | 5430     |          | 5592      |          | 5795    |          | 5954    |          | 5287    |          | 4097     |          | 3832    |          | 5188    | 61980    |         |
| MAX   |          | 21.6    |          | 23.5    |          | 26.6    |          | 28.1    |          | 30.9     |          | 32.4      |          | 32.7    |          | 33.0    |          | 32.8    |          | 30.9     |          | 27.3    |          | 25.1    | 33.0     |         |
| DATE  | 19990131 | 23123   | 19990209 | 2320923 | 19970331 | 1009222 | 19950422 | 2221423 | 19950501 | 14231522 | 19970731 | 22122     | 19980801 | 1522121 | 19980901 | 121122  | 19951001 | 1221401 | 20011216 | 00121600 | 19980801 | 1522121 | 19980801 | 1522121 |          |         |
| MIN   |          | 11.7    |          | 13.9    |          | 13.9    |          | 19.4    |          | 20.0     |          | 21.4      |          | 26.4    |          | 26.7    |          | 26.1    |          | 21.9     |          | 18.5    |          | 13.7    | 11.7     |         |
| DATE  | 20010105 | 1410514 | 19960207 | 1410514 | 19960312 | 1410514 | 19980407 | 1210514 | 19980517 | 1510514  | 19980609 | 090510514 | 20010724 | 1210514 | 20010804 | 1410514 | 20010915 | 1710514 | 20011031 | 1110514  | 20001130 | 1510514 | 20001231 | 1410514 | 20010105 | 1410514 |

(\* < 0.05% , # = 100.0%)

STATION: VENF1

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (1/1994 - 12/2001) (61968 RECORDS, 97.3% HAVE ELEMENT)

|       | JAN      |         | FEB      |          | MAR      |          | APR      |          | MAY      |          | JUN      |          | JUL      |          | AUG      |          | SEP      |          | OCT      |          | NOV      |          | DEC      |          | ANN      |          |         |
|-------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
|       | F        | CPF     | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      | F        | CPF      |         |
| 11    | -        | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 0        | #        |         |
| 10    | -        | -       | 4        | #        | -        | -        | -        | -        | -        | -        | 1        | #        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 5        | #        |         |
| 9     | 7        | #       | 4        | 999      | -        | -        | -        | -        | -        | -        | 1        | 999      | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 2        | #        | 14       | 999      |         |
| 8     | 29       | 999     | 6        | 998      | 1        | #        | -        | -        | -        | -        | 1        | 999      | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 14       | 999      | 51       | 999      |         |
| 7     | 44       | 994     | 20       | 997      | 8        | 999      | 1        | #        | 1        | #        | 2        | 999      | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 20       | 997      | 96       | 999      |         |
| 6     | 75       | 986     | 49       | 993      | 25       | 998      | 1        | 999      | 1        | 999      | 4        | 999      | -        | -        | -        | -        | -        | -        | 6        | #        | 6        | #        | 50       | 993      | 217      | 997      |         |
| 5     | 113      | 973     | 59       | 982      | 53       | 993      | 9        | 999      | 7        | 999      | 3        | 998      | -        | -        | -        | -        | -        | -        | 12       | 999      | 30       | 998      | 71       | 983      | 357      | 994      |         |
| 4     | 177      | 953     | 86       | 970      | 67       | 983      | 25       | 998      | 30       | 998      | 5        | 998      | -        | -        | -        | -        | -        | -        | 34       | 996      | 97       | 991      | 124      | 970      | 645      | 988      |         |
| 3     | 320      | 921     | 169      | 952      | 84       | 970      | 49       | 993      | 71       | 993      | 22       | 997      | 3        | #        | 7        | #        | 6        | #        | 96       | 987      | 96       | 965      | 190      | 946      | 1113     | 978      |         |
| 2     | 570      | 865     | 321      | 916      | 190      | 954      | 88       | 984      | 96       | 980      | 54       | 993      | 21       | 999      | 29       | 999      | 24       | 999      | 182      | 964      | 190      | 940      | 359      | 909      | 2124     | 960      |         |
| 1     | 835      | 764     | 653      | 848      | 420      | 917      | 197      | 967      | 131      | 962      | 137      | 983      | 43       | 996      | 84       | 994      | 82       | 994      | 249      | 919      | 389      | 891      | 582      | 840      | 3802     | 925      |         |
| 0     | 639      | 616     | 768      | 710      | 684      | 835      | 563      | 930      | 311      | 938      | 277      | 959      | 197      | 988      | 277      | 980      | 290      | 979      | 546      | 859      | 505      | 789      | 579      | 728      | 5636     | 864      |         |
| -1    | 598      | 504     | 745      | 548      | 1015     | 702      | 1022     | 823      | 797      | 881      | 797      | 909      | 974      | 954      | 1030     | 933      | 887      | 924      | 574      | 725      | 468      | 657      | 598      | 616      | 9505     | 773      |         |
| -2    | 535      | 398     | 482      | 391      | 830      | 504      | 1082     | 630      | 1658     | 734      | 1470     | 767      | 1727     | 786      | 1519     | 760      | 1058     | 756      | 447      | 585      | 360      | 535      | 479      | 501      | 11647    | 620      |         |
| -3    | 374      | 303     | 326      | 289      | 517      | 342      | 704      | 425      | 853      | 429      | 869      | 504      | 628      | 488      | 658      | 505      | 611      | 556      | 430      | 476      | 419      | 441      | 447      | 408      | 6836     | 432      |         |
| -4    | 365      | 237     | 292      | 220      | 440      | 242      | 496      | 291      | 456      | 271      | 429      | 349      | 537      | 380      | 594      | 394      | 581      | 440      | 536      | 371      | 404      | 332      | 403      | 322      | 5533     | 321      |         |
| -5    | 225      | 173     | 215      | 158      | 285      | 156      | 408      | 197      | 415      | 187      | 468      | 272      | 576      | 287      | 639      | 295      | 733      | 330      | 457      | 240      | 260      | 227      | 311      | 244      | 4992     | 232      |         |
| -6    | 214      | 133     | 159      | 113      | 186      | 100      | 251      | 120      | 291      | 111      | 568      | 188      | 639      | 188      | 639      | 187      | 642      | 192      | 249      | 129      | 176      | 159      | 253      | 184      | 4267     | 152      |         |
| -7    | 185      | 95      | 112      | 79       | 129      | 64       | 142      | 73       | 182      | 57       | 359      | 87       | 360      | 77       | 364      | 80       | 290      | 70       | 114      | 68       | 117      | 113      | 214      | 135      | 2568     | 83       |         |
| -8    | 109      | 62      | 68       | 56       | 77       | 39       | 106      | 46       | 76       | 24       | 107      | 22       | 79       | 15       | 97       | 19       | 76       | 15       | 64       | 40       | 98       | 82       | 134      | 94       | 1091     | 41       |         |
| -9    | 77       | 43      | 71       | 41       | 60       | 24       | 68       | 26       | 33       | 10       | 17       | 3        | 8        | 2        | 12       | 2        | 5        | 1        | 50       | 25       | 76       | 57       | 126      | 68       | 603      | 24       |         |
| -10   | 62       | 30      | 47       | 26       | 24       | 12       | 32       | 13       | 6        | 4        | 1        | *        | 1        | *        | 2        | *        | -        | -        | 35       | 12       | 59       | 37       | 91       | 44       | 360      | 14       |         |
| -11   | 37       | 19      | 28       | 16       | 21       | 8        | 16       | 7        | 8        | 3        | -        | -        | -        | -        | -        | -        | -        | -        | 5        | 4        | 46       | 21       | 48       | 26       | 209      | 8        |         |
| -12   | 36       | 12      | 19       | 10       | 9        | 4        | 11       | 4        | 7        | 1        | -        | -        | -        | -        | -        | -        | -        | -        | 5        | 3        | 25       | 9        | 36       | 17       | 148      | 5        |         |
| -13   | 22       | 6       | 13       | 6        | 1        | 2        | 7        | 2        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 6        | 1        | 6        | 3        | 28       | 10       | 83       | 2        |         |
| -14   | 2        | 2       | 8        | 4        | 2        | 2        | 1        | *        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 3        | 1        | 15       | 5        | 31       | 1        |         |
| -15   | 3        | 1       | 2        | 2        | 3        | 1        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 2        | 1        | 4        | 2        | 14       | 1        |         |
| -16   | 5        | 1       | 3        | 1        | 3        | 1        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 3        | 1        | 14       | *        |         |
| -17   | -        | -       | 4        | 1        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 3        | 1        | 7        | *        |         |
| -18   | -        | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 0        | *        |         |
| MEAN  |          | -1.1    |          | -1.3     |          | -1.8     |          | -2.5     |          | -2.5     |          | -3.0     |          | -3.1     |          | -3.1     |          | -3.2     |          | -2.4     |          | -2.2     |          | -2.0     |          | -2.4     |         |
| S.D.  |          | 3.8     |          | 3.4      |          | 2.8      |          | 2.5      |          | 2.2      |          | 2.3      |          | 2.1      |          | 2.1      |          | 2.2      |          | 2.8      |          | 3.4      |          | 3.9      |          | 2.9      |         |
| TOTAL |          | 5658    |          | 4733     |          | 5134     |          | 5279     |          | 5430     |          | 5592     |          | 5793     |          | 5951     |          | 5285     |          | 4097     |          | 3832     |          | 5184     |          | 61968    |         |
| MAX   |          | 9.4     |          | 10.3     |          | 7.5      |          | 6.6      |          | 7.0      |          | 9.7      |          | 3.1      |          | 3.3      |          | 3.3      |          | 6.2      |          | 5.9      |          | 8.5      |          | 10.3     |         |
| DATE  | 19980104 | 2010208 | 2110420  | 20010208 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420  | 20010402 | 2110420 |
| MIN   |          | -16.4   |          | -17.2    |          | -15.9    |          | -13.5    |          | -12.3    |          | -9.5     |          | -9.5     |          | -10.0    |          | -8.9     |          | -13.1    |          | -14.6    |          | -16.6    |          | -17.2    |         |
| DATE  | 19990106 | 1010610 | 19960205 | 1310610  | 19960309 | 1110610  | 20000409 | 1210610  | 19990501 | 0710610  | 20010619 | 1910610  | 19950712 | 2110610  | 19980816 | 2310610  | 20010907 | 0710610  | 20011028 | 1210610  | 20001122 | 1210610  | 19951211 | 1110610  | 19960205 | 1310610  |         |

(\* < 0.05% , # = 100.0%)

STATION: VENF1

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (4/1997 - 12/2001) (26934 RECORDS, 42.3% HAVE ELEMENT)

|    | JAN |     | FEB |     | MAR |     | APR |     | MAY |     | JUN |     | JUL |     | AUG |     | SEP |     | OCT |     | NOV |     | DEC |     | ANN  |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
|    | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F    | CPF |
| 28 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | #   |
| 27 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 5   | #   | 14  | #   | 24  | #   | 19  | #   | 9   | #   | -   | -   | -   | -   | 71   | #   |
| 26 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 91  | 998 | 44  | 995 | 175 | 990 | 91  | 990 | 59  | 996 | -   | -   | -   | -   | 460  | 997 |
| 25 | -   | -   | -   | -   | -   | -   | -   | -   | 4   | #   | 271 | 965 | 488 | 979 | 667 | 921 | 318 | 944 | 104 | 973 | -   | -   | -   | -   | 1852 | 980 |
| 24 | -   | -   | -   | -   | -   | -   | 24  | #   | 76  | 998 | 463 | 866 | 680 | 803 | 670 | 654 | 680 | 782 | 220 | 932 | 17  | #   | 19  | #   | 2849 | 912 |

|                          |            |            |            |            |            |            |            |            |            |            |            |            |            |      |     |      |     |      |     |      |     |      |     |      |      |       |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|------|-------|
| 23                       | -          | -          | -          | -          | -          | -          | 77         | 986        | 140        | 960        | 508        | 696        | 481        | 559  | 508 | 387  | 496 | 436  | 286 | 844  | 70  | 994  | 24  | 994  | 2590 | 806   |
| 22                       | 2          | #          | 8          | #          | 21         | #          | 114        | 943        | 256        | 889        | 399        | 510        | 300        | 386  | 168 | 184  | 138 | 184  | 207 | 731  | 117 | 967  | 45  | 985  | 1775 | 710   |
| 21                       | 50         | 999        | 68         | 994        | 31         | 986        | 182        | 879        | 269        | 760        | 217        | 364        | 104        | 278  | 33  | 117  | 82  | 113  | 180 | 649  | 250 | 923  | 171 | 970  | 1637 | 644   |
| 20                       | 82         | 976        | 100        | 946        | 57         | 964        | 184        | 777        | 311        | 625        | 203        | 284        | 229        | 240  | 18  | 104  | 56  | 72   | 157 | 577  | 215 | 829  | 153 | 912  | 1765 | 583   |
| 19                       | 131        | 939        | 81         | 876        | 84         | 925        | 132        | 673        | 242        | 468        | 272        | 210        | 188        | 158  | 28  | 97   | 33  | 43   | 133 | 515  | 264 | 747  | 232 | 861  | 1820 | 517   |
| 18                       | 166        | 879        | 122        | 819        | 170        | 868        | 128        | 599        | 131        | 346        | 139        | 110        | 145        | 90   | 63  | 85   | 24  | 26   | 139 | 462  | 288 | 648  | 287 | 782  | 1802 | 450   |
| 17                       | 131        | 804        | 115        | 733        | 187        | 751        | 121        | 527        | 107        | 280        | 80         | 59         | 69         | 38   | 42  | 60   | 17  | 14   | 168 | 407  | 240 | 539  | 184 | 685  | 1461 | 383   |
| 16                       | 127        | 744        | 44         | 652        | 119        | 623        | 113        | 459        | 98         | 226        | 29         | 30         | 13         | 13   | 40  | 44   | 3   | 6    | 165 | 340  | 213 | 448  | 194 | 623  | 1158 | 329   |
| 15                       | 134        | 686        | 61         | 621        | 142        | 541        | 109        | 395        | 78         | 177        | 24         | 19         | 9          | 8    | 17  | 28   | 5   | 4    | 155 | 275  | 175 | 368  | 175 | 557  | 1084 | 286   |
| 14                       | 114        | 625        | 91         | 578        | 129        | 443        | 80         | 334        | 78         | 138        | 18         | 11         | 3          | 5    | 15  | 21   | 2   | 2    | 144 | 213  | 179 | 302  | 142 | 498  | 995  | 245   |
| 13                       | 78         | 573        | 101        | 514        | 96         | 355        | 86         | 289        | 82         | 98         | 5          | 4          | 4          | 4    | 12  | 15   | 1   | 1    | 120 | 156  | 162 | 234  | 99  | 450  | 846  | 208   |
| 12                       | 82         | 538        | 92         | 443        | 106        | 289        | 79         | 240        | 47         | 57         | 3          | 2          | 3          | 3    | 5   | 10   | -   | -    | 78  | 108  | 114 | 173  | 126 | 416  | 735  | 177   |
| 11                       | 112        | 500        | 68         | 378        | 101        | 216        | 57         | 196        | 25         | 33         | 1          | 1          | 2          | 1    | 3   | 8    | -   | -    | 57  | 77   | 76  | 130  | 103 | 374  | 605  | 150   |
| 10                       | 92         | 449        | 75         | 330        | 59         | 147        | 64         | 164        | 15         | 21         | 2          | 1          | 2          | 1    | 1   | 7    | -   | -    | 29  | 55   | 50  | 101  | 72  | 339  | 461  | 127   |
| 9                        | 51         | 407        | 87         | 277        | 40         | 106        | 43         | 128        | 11         | 13         | -          | -          | -          | -    | 3   | 6    | -   | -    | 27  | 43   | 24  | 82   | 94  | 315  | 380  | 110   |
| 8                        | 51         | 384        | 63         | 216        | 26         | 79         | 32         | 104        | 7          | 8          | -          | -          | -          | -    | 5   | 5    | -   | -    | 10  | 33   | 35  | 73   | 126 | 283  | 355  | 96    |
| 7                        | 68         | 361        | 56         | 171        | 15         | 61         | 22         | 86         | 6          | 4          | -          | -          | -          | -    | -   | -    | -   | -    | 13  | 29   | 31  | 60   | 108 | 240  | 319  | 83    |
| 6                        | 61         | 330        | 33         | 132        | 14         | 51         | 15         | 73         | 1          | 1          | -          | -          | -          | -    | -   | -    | -   | -    | 8   | 23   | 5   | 48   | 102 | 204  | 239  | 71    |
| 5                        | 66         | 302        | 34         | 109        | 24         | 41         | 28         | 65         | -          | -          | -          | -          | -          | -    | 3   | 3    | -   | -    | 16  | 20   | 16  | 46   | 100 | 169  | 287  | 62    |
| 4                        | 52         | 272        | 17         | 85         | 21         | 25         | 21         | 49         | -          | -          | -          | -          | -          | -    | 1   | 2    | -   | -    | 6   | 14   | 17  | 40   | 88  | 135  | 223  | 52    |
| 3                        | 55         | 248        | 19         | 73         | 4          | 10         | 7          | 37         | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | 16  | 12   | 10  | 34   | 73  | 106  | 184  | 43    |
| 2                        | 59         | 223        | 26         | 59         | 3          | 8          | 5          | 33         | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | 5   | 5    | 21  | 30   | 55  | 81   | 174  | 36    |
| 1                        | 64         | 196        | 20         | 41         | 1          | 5          | 11         | 30         | -          | -          | -          | -          | -          | -    | 1   | 2    | -   | -    | 2   | 3    | 21  | 22   | 45  | 62   | 165  | 30    |
| 0                        | 69         | 167        | 15         | 27         | 5          | 5          | 5          | 24         | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | 2   | 2    | 14  | 14   | 25  | 47   | 135  | 24    |
| -1                       | 51         | 136        | 7          | 16         | 1          | 1          | 8          | 21         | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | 4   | 2    | 5   | 9    | 23  | 39   | 99   | 19    |
| -2                       | 40         | 113        | 5          | 11         | 1          | 1          | 7          | 17         | 1          | 1          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | 1   | 7    | 26  | 31   | 81   | 15    |
| -3                       | 51         | 94         | 7          | 8          | -          | -          | 7          | 13         | -          | -          | -          | -          | -          | -    | 1   | 1    | -   | -    | -   | -    | 3   | 7    | 17  | 22   | 86   | 12    |
| -4                       | 50         | 71         | 4          | 3          | -          | -          | 6          | 9          | -          | -          | -          | -          | -          | -    | 1   | 1    | -   | -    | -   | -    | 8   | 6    | 10  | 16   | 79   | 9     |
| -5                       | 30         | 48         | -          | -          | -          | -          | 4          | 6          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | 1   | 3    | 11  | 13   | 46   | 6     |
| -6                       | 33         | 35         | -          | -          | -          | -          | 2          | 3          | -          | -          | -          | -          | -          | -    | 1   | *    | -   | -    | -   | -    | 4   | 2    | 13  | 9    | 53   | 4     |
| -7                       | 15         | 20         | -          | -          | -          | -          | 3          | 2          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | 2   | 1    | 3   | 5    | 23   | 2     |
| -8                       | 12         | 13         | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | 3   | 4    | 15   | 1     |
| -9                       | 5          | 7          | -          | -          | -          | -          | 1          | 1          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | 2   | 3    | 8    | 1     |
| -10                      | 5          | 5          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | 5   | 2    | 10   | 1     |
| -11                      | 2          | 3          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | -   | -    | 2    | *     |
| -12                      | 2          | 2          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | 1   | *    | 3    | *     |
| -13                      | 1          | 1          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | -   | -    | 1    | *     |
| -14                      | 1          | *          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | -   | -    | 1    | *     |
| -15                      | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -    | -   | -    | -   | -    | -   | -    | -   | -    | -   | -    | 0    | *     |
| MEAN                     |            | 9.8        |            | 12.8       |            | 14.5       |            | 15.8       |            | 18.8       |            | 21.8       |            | 22.4 |     | 23.2 |     | 23.3 |     | 18.4 |     | 16.1 |     | 12.7 |      | 17.8  |
| S.D.                     |            | 7.9        |            | 5.7        |            | 4.1        |            | 5.8        |            | 3.5        |            | 2.6        |            | 2.5  |     | 2.9  |     | 1.8  |     | 5.0  |     | 4.9  |     | 6.7  |      | 6.5   |
| TOTAL                    |            | 2195       |            | 1419       |            | 1457       |            | 1777       |            | 1985       |            | 2730       |            | 2778 |     | 2505 |     | 1965 |     | 2519 |     | 2648 |     | 2956 |      | 26934 |
| MAX                      |            | 21.5       |            | 21.7       |            | 22.1       |            | 24.1       |            | 24.6       |            | 26.6       |            | 27.3 |     | 27.4 |     | 27.0 |     | 26.8 |     | 24.0 |     | 24.0 |      | 27.4  |
| DATE                     | 1999012315 | 1999020905 | 2000033121 | 1999042723 | 1999051504 | 1998062917 | 1998071213 | 1999080223 | 1998092116 | 2001102421 | 1998111915 | 2001120919 | 1999080223 |      |     |      |     |      |     |      |     |      |     |      |      |       |
| MIN                      | -14.2      | -4.4       | -1.8       | -8.5       | -1.7       | 9.8        | 9.9        | -6.0       | 13.3       | -1.1       | -6.6       | -11.9      | -14.2      |      |     |      |     |      |     |      |     |      |     |      |      |       |
| DATE                     | 2000012719 | 2000020516 | 2000031318 | 1997040118 | 2000050100 | 2000060918 | 2000070219 | 2000080821 | 1999092318 | 2001102715 | 2000112213 | 2000123114 | 2000012719 |      |     |      |     |      |     |      |     |      |     |      |      |       |
| (* < 0.05% , # = 100.0%) |            |            |            |            |            |            |            |            |            |            |            |            |            |      |     |      |     |      |     |      |     |      |     |      |      |       |

STATION: VENF1

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

ELEMENT: AIR - DEW POINT TEMPERATURE (DEGREES C) -- POR: (4/1997 - 12/2001) (26928 RECORDS, 42.3% HAVE ELEMENT)

|    | JAN |     | FEB |     | MAR |     | APR |     | MAY |     | JUN |     | JUL |     | AUG |     | SEP |     | OCT |     | NOV |     | DEC |     | ANN |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|    | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF |
| 40 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0   | #   |
| 39 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | #   |
| 38 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0   | 999 |
| 37 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 |
| 36 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 |
| 35 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0   | 999 |
| 34 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0   | 999 |
| 33 | -   | -   | -   | -   | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 |
| 32 | -   | -   | -   | -   | -   | -   | 2   | 999 | -   | -   | -   | -   | -   | -   | 1   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | 3   | 999 |
| 31 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0   | 999 |
| 30 | -   | -   | -   | -   | -   | -   | 1   | 998 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 |
| 29 | -   | -   | -   | -   | -   | -   | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 |
| 28 | -   | -   | -   | -   | -   | -   | 1   | 998 | -   | -   | -   | -   | -   | -   | 3   | 998 | -   | -   | -   | -   | -   | -   | -   | -   | 4   | 999 |
| 27 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 997 | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 |
| 26 | 4   | #   | -   | -   | -   | -   | 2   | 997 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 6   | 999 |
| 25 | -   | -   | -   | -   | 1   | #   | 1   | 996 | -   | -   | -   | -   | -   | -   | 1   | 997 | -   | -   | -   | -   | -   | -   | -   | -   | 3   | 999 |
| 24 | -   | -   | -   | -   | -   | -   | 8   | 995 | -   | -   | -   | -   | -   | -   | 1   | 996 | -   | -   | -   | -   | -   | -   | -   | -   | 9   | 999 |
| 23 | 2   | 998 | -   | -   | -   | -   | 2   | 991 | 1   | 999 | -   | -   | -   | -   | 2   | 996 | -   | -   | -   | -   | 3   | #   | -   | -   | 10  | 999 |
| 22 | 4   | 997 | -   | -   | 2   | 999 | 4   | 990 | 2   | 999 | -   | -   | -   | -   | 1   | 995 | -   | -   | -   | -   | 4   | 999 | -   | -   | 17  | 998 |
| 21 | 4   | 995 | 1   | #   | 4   | 998 | 7   | 988 | 1   | 998 | 1   | #   | 2   | #   | 3   | 995 | -   | -   | -   | -   | 1   | 997 | 3   | #   | 27  | 998 |
| 20 | 5   | 994 | -   | -   | 4   | 995 | 6   | 984 | 1   | 997 | -   | -   | 2   | 999 | 3   | 9   |     |     |     |     |     |     |     |     |     |     |

|       |             |             |             |             |             |             |             |             |            |            |             |            |             |      |     |      |     |      |     |      |     |      |     |      |      |       |
|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|------------|-------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|------|-------|
| 15    | 33          | 964         | 7           | 986         | 6           | 982         | 23          | 962         | 9          | 986        | 5           | 997        | 2           | 996  | 11  | 985  | -   | -    | 23  | 990  | 20  | 986  | 27  | 977  | 166  | 985   |
| 14    | 37          | 949         | 12          | 981         | 5           | 978         | 28          | 949         | 12         | 982        | 5           | 995        | 6           | 995  | 13  | 980  | -   | -    | 25  | 981  | 14  | 978  | 50  | 968  | 207  | 979   |
| 13    | 55          | 933         | 10          | 973         | 20          | 975         | 31          | 933         | 32         | 976        | 15          | 993        | 14          | 993  | 16  | 975  | -   | -    | 38  | 971  | 13  | 973  | 55  | 951  | 299  | 971   |
| 12    | 61          | 907         | 14          | 965         | 20          | 961         | 38          | 916         | 18         | 960        | 14          | 988        | 34          | 988  | 16  | 969  | 5   | #    | 40  | 956  | 47  | 968  | 72  | 932  | 379  | 960   |
| 11    | 79          | 880         | 20          | 956         | 18          | 947         | 51          | 894         | 28         | 951        | 38          | 982        | 57          | 976  | 13  | 962  | 6   | 997  | 74  | 940  | 40  | 950  | 88  | 908  | 512  | 946   |
| 10    | 101         | 844         | 31          | 942         | 22          | 935         | 70          | 866         | 57         | 937        | 79          | 968        | 94          | 955  | 18  | 957  | 18  | 994  | 84  | 910  | 76  | 935  | 122 | 878  | 772  | 927   |
| 9     | 107         | 798         | 37          | 920         | 44          | 920         | 85          | 826         | 64         | 908        | 123         | 940        | 197         | 921  | 19  | 950  | 20  | 985  | 113 | 877  | 71  | 906  | 187 | 837  | 1067 | 898   |
| 8     | 93          | 749         | 70          | 894         | 52          | 889         | 82          | 778         | 72         | 876        | 132         | 895        | 122         | 850  | 36  | 943  | 22  | 975  | 135 | 832  | 124 | 880  | 217 | 773  | 1157 | 858   |
| 7     | 122         | 706         | 73          | 844         | 73          | 854         | 95          | 732         | 132        | 839        | 143         | 846        | 106         | 806  | 91  | 928  | 46  | 964  | 155 | 778  | 128 | 833  | 204 | 700  | 1368 | 815   |
| 6     | 168         | 651         | 109         | 793         | 116         | 804         | 130         | 679         | 300        | 773        | 198         | 794        | 273         | 768  | 253 | 892  | 99  | 940  | 173 | 717  | 186 | 784  | 212 | 631  | 2217 | 765   |
| 5     | 184         | 574         | 129         | 716         | 195         | 724         | 192         | 606         | 278        | 622        | 433         | 721        | 469         | 670  | 440 | 791  | 231 | 890  | 262 | 648  | 261 | 714  | 240 | 559  | 3314 | 682   |
| 4     | 222         | 490         | 151         | 625         | 230         | 590         | 198         | 497         | 377        | 482        | 528         | 563        | 429         | 501  | 435 | 615  | 269 | 772  | 270 | 544  | 314 | 616  | 262 | 478  | 3685 | 559   |
| 3     | 201         | 389         | 187         | 519         | 279         | 432         | 243         | 386         | 271        | 292        | 410         | 369        | 294         | 347  | 299 | 442  | 297 | 635  | 346 | 437  | 433 | 497  | 256 | 389  | 3516 | 422   |
| 2     | 234         | 298         | 239         | 387         | 254         | 241         | 231         | 249         | 202        | 155        | 316         | 219        | 342         | 241  | 389 | 322  | 325 | 484  | 333 | 299  | 400 | 333  | 289 | 302  | 3554 | 292   |
| 1     | 291         | 191         | 225         | 218         | 84          | 67          | 161         | 119         | 105        | 53         | 265         | 103        | 307         | 118  | 380 | 167  | 417 | 319  | 273 | 167  | 361 | 182  | 373 | 205  | 3242 | 160   |
| 0     | 128         | 58          | 85          | 60          | 13          | 9           | 51          | 29          | 1          | 1          | 17          | 6          | 20          | 7    | 38  | 15   | 209 | 106  | 148 | 59   | 122 | 46   | 231 | 78   | 1063 | 39    |
| MEAN  |             | 5.6         |             | 4.2         |             | 4.7         |             | 5.7         |            | 5.2        |             | 4.6        |             | 4.8  |     | 4.1  |     | 2.9  |     | 4.9  |     | 4.4  |     | 5.4  |      | 4.7   |
| S.D.  |             | 4.6         |             | 3.5         |             | 3.4         |             | 4.6         |            | 3.1        |             | 2.7        |             | 3.0  |     | 3.4  |     | 2.2  |     | 3.6  |     | 3.5  |     | 4.2  |      | 3.6   |
| TOTAL |             | 2194        |             | 1419        |             | 1457        |             | 1777        |            | 1985       |             | 2730       |             | 2778 |     | 2505 |     | 1964 |     | 2518 |     | 2648 |     | 2953 |      | 26928 |
| MAX   |             | 26.3        |             | 20.9        |             | 25.1        |             | 33.0        |            | 28.9       |             | 20.6       |             | 20.8 |     | 39.1 |     | 12.2 |     | 18.8 |     | 23.2 |     | 21.4 |      | 39.1  |
| DATE  | 20000012720 | 20000022120 | 20000031318 | 20000043022 | 20000050100 | 20000060918 | 20000070219 | 20000080821 | 1999092318 | 2001102720 | 20000113019 | 2001122121 | 20000080821 |      |     |      |     |      |     |      |     |      |     |      |      |       |
| MIN   | 0.0         | 0.0         | 0.1         | 0.0         | 0.3         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0        | 0.0         |      |     |      |     |      |     |      |     |      |     |      |      |       |
| DATE  | 20000011113 | 20000022017 | 1999032617  | 1999042808  | 1999050707  | 2001062912  | 2001072301  | 1999082413  | 2001092912 | 2001102611 | 2001112822  | 2001121023 | 2001121023  |      |     |      |     |      |     |      |     |      |     |      |      |       |

(\* < 0.05% , # = 100.0%)

STATION: VENF1

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (1/1994 - 12/2001) (62922 RECORDS, 98.8% HAVE ELEMENT)

|      | JAN |     | FEB |     | MAR |     | APR |     | MAY |     | JUN |     | JUL |     | AUG |     | SEP |     | OCT |     | NOV |     | DEC |     | ANN  |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
|      | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F    | CPF |
| 1038 | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1    | #   |
| 1037 | -   | -   | 4   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 4    | 999 |
| 1036 | 5   | #   | 6   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 11   | 999 |
| 1035 | 14  | 999 | 4   | 998 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 18   | 999 |
| 1034 | 16  | 997 | 2   | 997 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 18   | 999 |
| 1033 | 25  | 994 | 8   | 996 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 33   | 999 |
| 1032 | 21  | 989 | 13  | 995 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 34   | 999 |
| 1031 | 27  | 986 | 9   | 992 | 8   | #   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 3   | #   | 1   | #   | 48   | 998 |
| 1030 | 46  | 981 | 25  | 990 | 29  | 998 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 6   | 999 | 11  | 999 | 117  | 997 |
| 1029 | 119 | 973 | 45  | 985 | 51  | 993 | 2   | #   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 2   | #   | 13  | 998 | 35  | 998 | 267  | 995 |
| 1028 | 153 | 952 | 61  | 975 | 59  | 983 | 10  | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 3   | 999 | 18  | 995 | 50  | 991 | 354  | 991 |
| 1027 | 186 | 925 | 81  | 963 | 73  | 971 | 33  | 998 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 11  | 999 | 51  | 991 | 91  | 981 | 526  | 986 |
| 1026 | 273 | 892 | 176 | 946 | 86  | 957 | 48  | 991 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 14  | 996 | 90  | 979 | 143 | 964 | 830  | 977 |
| 1025 | 314 | 844 | 217 | 909 | 106 | 940 | 48  | 982 | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | 23  | 993 | 155 | 959 | 233 | 936 | 1097 | 964 |
| 1024 | 399 | 788 | 386 | 863 | 136 | 920 | 87  | 973 | 35  | 999 | 5   | #   | 17  | #   | -   | -   | -   | -   | 37  | 988 | 227 | 924 | 359 | 891 | 1688 | 947 |
| 1023 | 464 | 718 | 428 | 782 | 203 | 893 | 191 | 957 | 76  | 993 | 36  | 999 | 126 | 997 | 7   | #   | -   | -   | 93  | 980 | 289 | 873 | 442 | 822 | 2355 | 920 |
| 1022 | 496 | 636 | 539 | 692 | 333 | 854 | 261 | 921 | 127 | 979 | 79  | 993 | 284 | 975 | 58  | 999 | -   | -   | 182 | 958 | 283 | 808 | 494 | 737 | 3136 | 882 |
| 1021 | 527 | 548 | 572 | 578 | 429 | 789 | 399 | 871 | 195 | 956 | 208 | 979 | 478 | 926 | 198 | 989 | 16  | #   | 305 | 917 | 400 | 744 | 541 | 642 | 4268 | 833 |
| 1020 | 412 | 455 | 540 | 458 | 449 | 705 | 511 | 796 | 321 | 920 | 512 | 941 | 687 | 844 | 510 | 956 | 59  | 997 | 471 | 848 | 438 | 654 | 565 | 537 | 5475 | 765 |
| 1019 | 383 | 382 | 390 | 345 | 536 | 618 | 536 | 699 | 537 | 861 | 825 | 850 | 773 | 725 | 861 | 870 | 206 | 986 | 461 | 741 | 404 | 556 | 465 | 428 | 6377 | 678 |
| 1018 | 389 | 314 | 334 | 263 | 490 | 514 | 593 | 597 | 734 | 762 | 979 | 702 | 920 | 592 | 980 | 726 | 404 | 947 | 471 | 636 | 375 | 465 | 408 | 339 | 7077 | 576 |
| 1017 | 392 | 246 | 250 | 192 | 453 | 418 | 605 | 485 | 865 | 627 | 948 | 527 | 787 | 433 | 915 | 561 | 564 | 870 | 430 | 529 | 384 | 380 | 330 | 260 | 6923 | 464 |
| 1016 | 273 | 177 | 115 | 140 | 414 | 330 | 512 | 370 | 832 | 468 | 773 | 358 | 645 | 298 | 747 | 407 | 649 | 764 | 426 | 431 | 352 | 294 | 300 | 197 | 6038 | 354 |
| 1015 | 200 | 128 | 106 | 116 | 318 | 249 | 394 | 273 | 623 | 315 | 475 | 220 | 409 | 186 | 565 | 282 | 820 | 641 | 399 | 334 | 327 | 214 | 223 | 139 | 4859 | 258 |
| 1014 | 136 | 93  | 80  | 93  | 254 | 187 | 325 | 199 | 388 | 200 | 284 | 135 | 280 | 116 | 380 | 187 | 802 | 486 | 301 | 244 | 220 | 141 | 186 | 96  | 3636 | 181 |
| 1013 | 107 | 69  | 77  | 77  | 234 | 138 | 278 | 137 | 292 | 128 | 170 | 84  | 212 | 67  | 284 | 123 | 665 | 334 | 213 | 175 | 141 | 91  | 131 | 60  | 2804 | 123 |
| 1012 | 80  | 50  | 105 | 60  | 152 | 92  | 185 | 84  | 170 | 75  | 79  | 53  | 102 | 31  | 171 | 76  | 432 | 209 | 189 | 127 | 80  | 59  | 66  | 35  | 1811 | 78  |
| 1011 | 54  | 36  | 54  | 38  | 140 | 63  | 148 | 49  | 80  | 43  | 54  | 39  | 37  | 13  | 117 | 47  | 264 | 127 | 131 | 84  | 60  | 41  | 33  | 22  | 1172 | 50  |
| 1010 | 43  | 26  | 32  | 27  | 89  | 35  | 70  | 21  | 46  | 29  | 69  | 30  | 25  | 7   | 75  | 27  | 149 | 77  | 72  | 54  | 44  | 28  | 39  | 16  | 753  | 31  |
| 1009 | 43  | 19  | 13  | 20  | 49  | 18  | 20  | 8   | 37  | 20  | 41  | 17  | 12  | 3   | 25  | 15  | 87  | 49  | 32  | 38  | 28  | 18  | 26  | 8   | 413  | 19  |
| 1008 | 42  | 11  | 19  | 17  | 21  | 9   | 5   | 4   | 38  | 13  | 34  | 10  | 3   | 1   | 15  | 11  | 61  | 32  | 38  | 30  | 13  | 11  | 13  | 3   | 302  | 12  |
| 1007 | 19  | 4   | 8   | 13  | 11  | 4   | 3   | 3   | 20  | 6   | 12  | 4   | -   | -   | 30  | 8   | 21  | 21  | 29  | 22  | 14  | 9   | 3   | 1   | 170  | 8   |
| 1006 | 2   | *   | 4   | 12  | 12  | 2   | 4   | 3   | 9   | 3   | 9   | 2   | -   | -   | 9   | 3   | 11  | 17  | 23  | 15  | 13  | 5   | -   | -   | 96   | 5   |
| 1005 | -   | -   | 6   | 11  | -   | -   | 5   | 2   | 4   | 1   | 1   | *   | -   | -   | 4   | 2   | 21  | 15  | 21  | 10  | 3   | 2   | -   | -   | 65   | 3   |
| 1004 | -   | -   | 7   | 10  | -   | -   | 3   | 1   | 2   | *   | -   | -   | -   | -   | 5   | 1   | 19  | 11  | 9   | 5   | 1   | 2   | -   | -   | 46   | 2   |
| 1003 | -   | -   | 4   | 8   | -   | -   | 2   | *   | -   | -   | -   | -   | -   | -   | -   | -   | 18  | 7   | 1   | 3   | 2   | 2   | -   | -   | 27   | 2   |
| 1002 | -   | -   | 7   | 7   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 7   | 4   | 3   | 3   | 2   | 1   | -   | -   | 19   |     |

|       |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |   |   |   |   |   |
|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|---|---|---|---|---|---|
| 990   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 0 | * |
| 989   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 0 | * |
| 988   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 1 | * |
| 987   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 0 | * |
| 986   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 0 | * |
| 985   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 0 | * |
| 984   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 0 | * |
| 983   | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - | - | - | - | - | 1 | * |
| MEAN  | 1020.7     | 1020.4     | 1018.3     | 1017.5     | 1016.5     | 1017.0     | 1017.7     | 1016.7     | 1014.3     | 1016.8     | 1018.7     | 1019.9     | 1017.9     |   |   |   |   |   |   |   |
| S.D.  | 4.8        | 4.6        | 4.3        | 3.6        | 2.9        | 2.6        | 2.6        | 2.7        | 3.0        | 3.9        | 4.1        | 3.9        | 4.0        |   |   |   |   |   |   |   |
| TOTAL | 5660       | 4756       | 5135       | 5278       | 5432       | 5593       | 5797       | 5956       | 5288       | 4400       | 4439       | 5188       | 62922      |   |   |   |   |   |   |   |
| MAX   | 1036.1     | 1037.5     | 1030.9     | 1028.6     | 1024.6     | 1023.9     | 1024.1     | 1023.1     | 1021.4     | 1028.5     | 1030.7     | 1030.6     | 1037.5     |   |   |   |   |   |   |   |
| DATE  | 2000011515 | 1996020513 | 1998031315 | 2001042015 | 1996050915 | 2001062704 | 1996072904 | 1999081703 | 1994090115 | 2001102915 | 2000112215 | 1999120115 | 1996020513 |   |   |   |   |   |   |   |
| MIN   | 1006.4     | 997.3      | 1005.7     | 1003.2     | 1004.3     | 1005.2     | 1008.0     | 1004.0     | 983.2      | 1000.2     | 1000.2     | 1006.6     | 983.2      |   |   |   |   |   |   |   |
| DATE  | 1995011421 | 1998020400 | 2000032801 | 1997042321 | 1994051923 | 1997060608 | 2001072222 | 1995080212 | 2001091412 | 1996100723 | 1998110510 | 1997120100 | 2001091412 |   |   |   |   |   |   |   |

(\* < 0.05% , # = 100.0%)

STATION: VENF1

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (1/1994 - 12/2001) (62457 RECORDS, 98.0% HAVE ELEMENT)

|    | JAN |     | FEB |     | MAR |     | APR |     | MAY |     | JUN |     | JUL |     | AUG  |     | SEP |     | OCT |     | NOV |     | DEC |     | ANN  |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
|    | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F    | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F    | CPF |     |
| 50 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1    | #   | -   | -   | -   | -   | -   | -   | -   | -   | 1    | #   |     |
| 49 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 48 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1    | 999 | -   | -   | -   | -   | -   | -   | -   | -   | 1    | 999 |     |
| 47 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 46 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 45 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 44 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1    | 999 | -   | -   | -   | -   | -   | -   | -   | -   | 1    | 999 |     |
| 43 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 42 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 41 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 40 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 39 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 38 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |     |
| 37 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | 1   | #   | 1    | 999 |     |
| 36 | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | 2    | 999 |     |
| 35 | -   | -   | 1   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1    | 999 |     |
| 34 | 1   | #   | 2   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | 2   | #   | -   | -   | -   | -   | 1   | 999 | 6    | 999 |     |
| 33 | 3   | 999 | 4   | 999 | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | 1    | 999 | 2   | 999 | 2   | 999 | -   | -   | -   | -   | 11   | 999 |     |
| 32 | 5   | 999 | 5   | 998 | -   | -   | -   | -   | -   | -   | -   | -   | 1   | #   | 2    | 999 | 5   | 999 | 5   | 999 | -   | -   | -   | -   | -    | 18  | 999 |
| 31 | 5   | 998 | 1   | 997 | 2   | 999 | -   | -   | -   | -   | -   | -   | 1   | 999 | -    | -   | 3   | 998 | 3   | 998 | -   | -   | 2   | 999 | 14   | 999 |     |
| 30 | 4   | 998 | 6   | 997 | 2   | 999 | 2   | #   | -   | -   | 1   | #   | 2   | 999 | -    | -   | 1   | 999 | 4   | 997 | -   | -   | 5   | 999 | 27   | 999 |     |
| 29 | 7   | 997 | 6   | 996 | 5   | 999 | 1   | 999 | -   | -   | 1   | 999 | -   | -   | -    | -   | 4   | 999 | 1   | 996 | 1   | #   | 9   | 998 | 35   | 999 |     |
| 28 | 11  | 996 | 11  | 995 | 10  | 998 | 2   | 999 | -   | -   | 1   | 999 | 3   | 999 | 1    | #   | 3   | 998 | 4   | 996 | -   | -   | 13  | 996 | 59   | 998 |     |
| 27 | 5   | 994 | 12  | 992 | 14  | 996 | 3   | 999 | -   | -   | -   | -   | 3   | 999 | 3    | 999 | 3   | 997 | 3   | 995 | 1   | 999 | 13  | 994 | 60   | 997 |     |
| 26 | 15  | 993 | 21  | 990 | 19  | 993 | 5   | 998 | -   | -   | 2   | 999 | 6   | 998 | 5    | 999 | 8   | 997 | 6   | 995 | 4   | 999 | 14  | 991 | 105  | 996 |     |
| 25 | 13  | 990 | 18  | 985 | 27  | 990 | 8   | 998 | -   | -   | 5   | 999 | 3   | 997 | 3    | 998 | 11  | 995 | -   | -   | 1   | 999 | 21  | 989 | 110  | 995 |     |
| 24 | 36  | 988 | 22  | 982 | 30  | 984 | 15  | 996 | 2   | #   | 3   | 998 | 2   | 997 | 10   | 998 | 11  | 993 | 5   | 993 | 1   | 998 | 17  | 985 | 154  | 993 |     |
| 23 | 38  | 981 | 27  | 977 | 35  | 979 | 17  | 993 | 3   | 999 | 2   | 997 | 13  | 996 | 6    | 996 | 15  | 991 | 5   | 992 | 8   | 998 | 17  | 981 | 186  | 990 |     |
| 22 | 49  | 975 | 37  | 971 | 48  | 972 | 29  | 990 | 8   | 999 | 4   | 997 | 8   | 994 | 11   | 995 | 26  | 988 | 12  | 991 | 7   | 996 | 22  | 978 | 261  | 987 |     |
| 21 | 48  | 966 | 39  | 963 | 38  | 962 | 42  | 984 | 9   | 998 | 6   | 996 | 12  | 993 | 11   | 993 | 20  | 983 | 20  | 988 | 10  | 995 | 31  | 974 | 286  | 983 |     |
| 20 | 54  | 958 | 40  | 955 | 65  | 955 | 44  | 977 | 15  | 996 | 5   | 995 | 10  | 991 | 11   | 992 | 26  | 980 | 18  | 984 | 13  | 993 | 24  | 968 | 325  | 979 |     |
| 19 | 63  | 948 | 53  | 947 | 112 | 942 | 88  | 968 | 25  | 993 | 11  | 994 | 15  | 989 | 21   | 990 | 29  | 975 | 31  | 980 | 27  | 990 | 40  | 963 | 515  | 973 |     |
| 18 | 71  | 937 | 56  | 936 | 101 | 921 | 96  | 952 | 35  | 989 | 22  | 992 | 24  | 986 | 17   | 986 | 20  | 969 | 36  | 973 | 36  | 984 | 44  | 955 | 558  | 965 |     |
| 17 | 82  | 924 | 66  | 924 | 98  | 901 | 110 | 933 | 48  | 982 | 30  | 988 | 28  | 982 | 35   | 983 | 30  | 965 | 40  | 964 | 47  | 975 | 51  | 947 | 665  | 956 |     |
| 16 | 95  | 910 | 83  | 910 | 128 | 882 | 136 | 913 | 85  | 973 | 53  | 982 | 54  | 977 | 54   | 978 | 57  | 960 | 75  | 955 | 73  | 965 | 81  | 937 | 974  | 946 |     |
| 15 | 108 | 893 | 102 | 893 | 150 | 857 | 176 | 887 | 108 | 958 | 92  | 971 | 101 | 968 | 80   | 968 | 56  | 949 | 97  | 938 | 83  | 948 | 113 | 922 | 1266 | 930 |     |
| 14 | 136 | 874 | 105 | 871 | 173 | 828 | 180 | 853 | 117 | 938 | 122 | 953 | 102 | 951 | 79   | 955 | 54  | 938 | 103 | 916 | 92  | 930 | 99  | 900 | 1362 | 910 |     |
| 13 | 198 | 850 | 154 | 849 | 222 | 794 | 202 | 819 | 198 | 916 | 167 | 930 | 174 | 933 | 140  | 942 | 126 | 928 | 165 | 893 | 119 | 909 | 184 | 881 | 2049 | 888 |     |
| 12 | 277 | 815 | 235 | 817 | 318 | 751 | 284 | 781 | 353 | 880 | 246 | 897 | 277 | 903 | 224  | 918 | 190 | 904 | 268 | 855 | 243 | 882 | 219 | 845 | 3134 | 855 |     |
| 11 | 270 | 766 | 253 | 767 | 327 | 689 | 341 | 727 | 355 | 815 | 282 | 849 | 288 | 856 | 239  | 881 | 256 | 868 | 269 | 795 | 244 | 827 | 252 | 803 | 3376 | 805 |     |
| 10 | 341 | 718 | 295 | 714 | 354 | 625 | 335 | 663 | 413 | 749 | 314 | 794 | 334 | 806 | 283  | 841 | 281 | 820 | 305 | 733 | 254 | 772 | 277 | 754 | 3786 | 751 |     |
| 9  | 444 | 658 | 335 | 652 | 437 | 556 | 435 | 599 | 506 | 673 | 431 | 732 | 436 | 748 | 409  | 793 | 380 | 767 | 405 | 664 | 371 | 715 | 380 | 701 | 4969 | 690 |     |
| 8  | 559 | 579 | 461 | 582 | 465 | 471 | 533 | 517 | 520 | 580 | 492 | 648 | 512 | 673 | 527  | 724 | 482 | 695 | 440 | 572 | 443 | 632 | 481 | 628 | 5915 | 611 |     |
| 7  | 615 | 480 | 478 | 485 | 453 | 381 | 464 | 416 | 510 | 484 | 529 | 552 | 568 | 585 | 615  | 636 | 564 | 604 | 535 | 472 | 554 | 532 | 536 | 535 | 6421 | 516 |     |
| 6  | 624 | 371 | 551 | 384 | 456 | 292 | 499 | 328 | 559 | 390 | 627 | 449 | 740 | 487 | 828  | 533 | 745 | 497 | 573 | 351 | 618 | 407 | 697 | 432 | 7517 | 413 |     |
| 5  | 598 | 261 | 523 | 268 | 473 | 204 | 589 | 234 | 664 | 287 | 765 | 326 | 909 | 360 | 1029 | 394 | 899 | 356 | 534 | 221 | 595 | 268 | 739 | 297 | 8317 | 293 |     |
| 4  | 372 | 155 | 322 | 159 | 264 | 111 | 296 | 122 | 438 | 165 | 447 | 177 | 570 | 203 | 678  | 221 | 530 | 186 | 234 | 100 | 271 | 134 | 386 | 155 | 4808 | 160 |     |
| 3  | 221 | 89  | 199 | 91  | 160 | 60  | 191 | 66  | 252 | 85  | 250 | 89  | 307 | 105 | 365  | 108 | 271 | 86  | 128 | 47  | 153 | 73  | 220 | 80  | 2717 | 83  |     |
| 2  | 180 | 50  | 137 | 49  | 97  | 29  | 97  | 30  | 145 | 38  | 140 | 40  | 194 | 52  | 187  | 46  | 118 | 35  | 47  | 17  | 101 | 38  | 121 | 38  | 1564 | 39  |     |
| 1  | 72  | 18  | 69  | 20  | 37  | 10  | 48  | 11  | 45  | 11  | 43  | 13  | 69  | 19  | 60   | 15  | 55  | 12  | 19  | 7   | 49  | 16  | 60  | 15  | 626  | 14  |     |
| 0  | 32  | 6   | 27  | 6   | 14  | 3   | 12  | 2   | 17  | 3   | 24  | 5   | 41  | 7   | 29   | 5   | 11  | 2   | 11  |     |     |     |     |     |      |     |     |

MIN 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  
DATE 2001011801 2001020212 2001033113 2001040300 2001052611 2001062017 2001070921 2001082701 2001090520 2001101222 1999112701 2001123001 2001123001  
(\* < 0.05% , # = 100.0%)

STATION: VENF1

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

(HIGHEST 5-SECOND AVERAGE DURING 2 OR 8-MINUTE PERIOD PRIOR TO OBSERVATION TIME)

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (1/1994 - 12/2001) (62410 RECORDS, 98.0% HAVE ELEMENT)

|      | JAN  |     | FEB  |     | MAR |     | APR |     | MAY |     | JUN |     | JUL |     | AUG |     | SEP |     | OCT |     | NOV |     | DEC |     | ANN  |     |
|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
|      | F    | CPF | F    | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F   | CPF | F    | CPF |
| 62   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | 1    | #   |
| 61   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 60   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 59   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 58   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 57   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 56   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 55   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | -   | -   | -   | -   | -   | -   | 1    | 999 |
| 54   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 53   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 52   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 51   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | -   | -   | -   | -   | -   | -   | 1    | 999 |
| 50   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 49   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 48   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 47   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 46   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 45   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 44   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 0    | 999 |
| 43   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | #   | -   | -   | -   | -   | 1    | 999 |
| 42   | -    | -   | -    | -   | -   | -   | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | 1   | 999 | 1   | 999 | -   | -   | 1   | #   | 4    | 999 |
| 41   | 1    | #   | 2    | #   | -   | -   | -   | -   | -   | -   | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | 5    | 999 |
| 40   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | 1    | 999 |
| 39   | -    | -   | 3    | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 2   | 999 | -   | -   | -   | -   | 5    | 999 |
| 38   | 1    | 999 | 3    | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 2   | 999 | 2   | 999 | -   | -   | -   | -   | 8    | 999 |
| 37   | 5    | 999 | 4    | 998 | 1   | #   | -   | -   | -   | -   | -   | -   | 1   | #   | -   | -   | 1   | 999 | 3   | 999 | -   | -   | 1   | 999 | 16   | 999 |
| 36   | 4    | 999 | 3    | 997 | 1   | 999 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 998 | -   | -   | -   | -   | -   | 9    | 999 |
| 35   | 6    | 998 | 7    | 997 | 1   | 999 | -   | -   | -   | -   | -   | -   | 2   | 999 | -   | -   | -   | -   | 5   | 998 | -   | -   | 3   | 999 | 24   | 999 |
| 34   | 7    | 997 | 5    | 995 | 3   | 999 | 1   | #   | -   | -   | -   | -   | -   | -   | -   | -   | 1   | 999 | 4   | 997 | -   | -   | 3   | 999 | 24   | 999 |
| 33   | 6    | 996 | 8    | 994 | 2   | 999 | 3   | 999 | -   | -   | 2   | 999 | 1   | 999 | 1   | #   | 6   | 998 | 2   | 996 | 1   | #   | 12  | 998 | 44   | 998 |
| 32   | 6    | 995 | 5    | 993 | 15  | 998 | 3   | 999 | -   | -   | -   | -   | 4   | 999 | 3   | 999 | 6   | 997 | 2   | 995 | 1   | 999 | 6   | 996 | 51   | 998 |
| 31   | 7    | 994 | 13   | 992 | 11  | 996 | 2   | 999 | -   | -   | -   | -   | 1   | 999 | 1   | 999 | 4   | 996 | 3   | 995 | -   | -   | 15  | 995 | 57   | 997 |
| 30   | 9    | 992 | 16   | 989 | 17  | 993 | 3   | 998 | -   | -   | 2   | 999 | 4   | 998 | 1   | 999 | 4   | 995 | 1   | 994 | 4   | 999 | 14  | 992 | 75   | 996 |
| 29   | 13   | 991 | 14   | 985 | 22  | 990 | 5   | 998 | -   | -   | 3   | 999 | 4   | 998 | 5   | 999 | 4   | 995 | 3   | 994 | -   | -   | 13  | 989 | 86   | 995 |
| 28   | 19   | 988 | 16   | 983 | 21  | 986 | 11  | 997 | 1   | 999 | 3   | 998 | 8   | 997 | 5   | 998 | 10  | 994 | 1   | 993 | 2   | 999 | 17  | 987 | 114  | 993 |
| 27   | 17   | 985 | 20   | 979 | 20  | 982 | 13  | 995 | -   | -   | 3   | 998 | 3   | 996 | 5   | 997 | 6   | 992 | 6   | 993 | 5   | 998 | 15  | 983 | 113  | 992 |
| 26   | 45   | 982 | 40   | 975 | 42  | 978 | 15  | 992 | 4   | 999 | 4   | 997 | 7   | 995 | 12  | 996 | 16  | 991 | 9   | 992 | 2   | 997 | 14  | 980 | 210  | 990 |
| 25   | 51   | 974 | 27   | 967 | 48  | 970 | 22  | 989 | 5   | 999 | 2   | 996 | 6   | 994 | 7   | 994 | 18  | 988 | 12  | 990 | 11  | 997 | 22  | 978 | 231  | 986 |
| 24   | 44   | 965 | 25   | 961 | 46  | 960 | 40  | 985 | 4   | 998 | 3   | 996 | 10  | 993 | 12  | 993 | 21  | 984 | 17  | 987 | 7   | 994 | 12  | 973 | 241  | 983 |
| 23   | 40   | 957 | 41   | 956 | 56  | 951 | 35  | 978 | 11  | 997 | 6   | 996 | 8   | 991 | 7   | 991 | 29  | 981 | 27  | 983 | 19  | 993 | 38  | 971 | 317  | 979 |
| 22   | 61   | 950 | 41   | 947 | 69  | 940 | 54  | 971 | 17  | 995 | 8   | 994 | 10  | 990 | 12  | 990 | 26  | 975 | 21  | 977 | 18  | 988 | 26  | 964 | 363  | 974 |
| 21   | 54   | 939 | 37   | 938 | 80  | 927 | 78  | 961 | 22  | 992 | 12  | 993 | 16  | 988 | 20  | 988 | 25  | 970 | 43  | 972 | 36  | 984 | 35  | 959 | 458  | 968 |
| 20   | 57   | 930 | 56   | 931 | 90  | 911 | 76  | 946 | 28  | 988 | 13  | 990 | 19  | 985 | 24  | 985 | 28  | 965 | 44  | 962 | 32  | 976 | 52  | 952 | 519  | 961 |
| 19   | 105  | 920 | 97   | 919 | 150 | 894 | 139 | 932 | 60  | 983 | 40  | 988 | 40  | 982 | 45  | 981 | 44  | 960 | 72  | 952 | 74  | 969 | 68  | 942 | 934  | 952 |
| 18   | 103  | 901 | 67   | 898 | 119 | 865 | 134 | 905 | 77  | 972 | 53  | 980 | 46  | 975 | 48  | 973 | 50  | 952 | 107 | 936 | 81  | 952 | 85  | 929 | 970  | 937 |
| 17   | 107  | 883 | 99   | 884 | 142 | 841 | 149 | 880 | 86  | 958 | 69  | 970 | 85  | 967 | 64  | 965 | 51  | 942 | 115 | 912 | 76  | 934 | 117 | 912 | 1160 | 922 |
| 16   | 163  | 864 | 141  | 864 | 185 | 814 | 194 | 852 | 131 | 942 | 123 | 956 | 113 | 953 | 101 | 954 | 67  | 933 | 149 | 885 | 120 | 917 | 139 | 890 | 1626 | 903 |
| 15   | 183  | 835 | 120  | 834 | 199 | 778 | 197 | 815 | 183 | 918 | 158 | 932 | 148 | 933 | 114 | 937 | 101 | 920 | 176 | 852 | 153 | 890 | 144 | 863 | 1876 | 877 |
| 14   | 220  | 803 | 161  | 809 | 193 | 739 | 199 | 778 | 192 | 884 | 149 | 901 | 172 | 907 | 151 | 918 | 142 | 901 | 187 | 812 | 161 | 855 | 181 | 835 | 2108 | 847 |
| 13   | 227  | 764 | 219  | 775 | 263 | 701 | 281 | 740 | 306 | 848 | 214 | 872 | 259 | 878 | 192 | 893 | 207 | 874 | 228 | 769 | 211 | 819 | 225 | 800 | 2832 | 813 |
| 12   | 350  | 724 | 327  | 729 | 369 | 650 | 380 | 687 | 427 | 792 | 338 | 830 | 335 | 833 | 329 | 861 | 299 | 835 | 323 | 717 | 305 | 772 | 325 | 757 | 4107 | 768 |
| 11   | 342  | 662 | 288  | 660 | 394 | 578 | 358 | 615 | 447 | 713 | 356 | 764 | 367 | 775 | 321 | 805 | 328 | 778 | 332 | 644 | 280 | 703 | 326 | 694 | 4139 | 702 |
| 10   | 430  | 601 | 280  | 599 | 383 | 502 | 390 | 547 | 456 | 631 | 431 | 695 | 418 | 712 | 386 | 751 | 386 | 716 | 356 | 569 | 324 | 640 | 308 | 632 | 4548 | 636 |
| 9    | 480  | 525 | 423  | 541 | 395 | 427 | 466 | 473 | 521 | 547 | 479 | 610 | 536 | 640 | 571 | 687 | 500 | 643 | 428 | 488 | 473 | 567 | 444 | 572 | 5716 | 563 |
| 8    | 578  | 440 | 434  | 452 | 375 | 350 | 482 | 385 | 500 | 451 | 550 | 517 | 561 | 547 | 606 | 591 | 568 | 549 | 477 | 390 | 507 | 460 | 565 | 487 | 6203 | 471 |
| 7    | 418  | 338 | 400  | 360 | 381 | 277 | 378 | 293 | 455 | 359 | 502 | 409 | 597 | 450 | 678 | 489 | 597 | 441 | 387 | 282 | 417 | 346 | 488 | 378 | 5698 | 372 |
| 6    | 460  | 264 | 427  | 276 | 348 | 203 | 411 | 222 | 464 | 275 | 518 | 311 | 687 | 347 | 750 | 375 | 609 | 328 | 355 | 194 | 406 | 252 | 504 | 283 | 5939 | 281 |
| 5    | 419  | 182 | 349  | 187 | 316 | 135 | 329 | 144 | 471 | 189 | 530 | 210 | 630 | 228 | 726 | 249 | 608 | 213 | 262 | 113 | 338 | 160 | 475 | 186 | 5453 | 185 |
| 4    | 246  | 108 | 234  | 113 | 173 | 73  | 215 | 82  | 268 | 102 | 280 | 106 | 330 | 120 | 409 | 127 | 285 | 98  | 130 | 54  | 162 | 84  | 230 | 95  | 2962 | 98  |
| 3    | 173  | 64  | 121  | 64  | 110 | 40  | 122 | 41  | 168 | 53  | 152 | 51  | 197 | 63  | 202 | 58  | 121 | 44  | 64  | 24  | 96  | 48  | 141 | 50  | 1667 | 51  |
| 2    | 118  | 34  | 118  | 38  | 65  | 18  | 62  | 18  | 82  | 22  | 69  | 22  | 106 | 29  | 92  | 25  | 88  | 21  | 27  | 10  | 72  | 26  | 76  | 23  | 975  | 24  |
| 1    | 54   | 13  | 47   | 14  | 20  | 6   | 27  | 6   | 27  | 7   | 33  | 8   | 38  | 10  | 47  | 9   | 17  | 4   | 11  | 4   | 31  | 10  | 36  | 8   | 388  | 8   |
| 0    | 18   | 3   | 18   | 4   | 9   | 2   | 5   | 1   | 10  | 2   | 9   | 2   | 22  | 4   | 7   | 1   | 6   | 1   | 5   | 1   | 13  | 3   | 8   | 2   | 130  | 2   |
| MEAN | 10.4 |     | 10.4 |     | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |

(\* &lt; 0.05% , # = 100.0%)

STATION: VENF1

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (1/1990 - 12/2001) (74737 RECORDS, 25.0% HAVE ELEMENT)

[illegible]

[illegible]



|       |            |            |            |            |            |            |            |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| S.D.  | 6.6        | 6.7        | 6.8        | 5.9        | 4.5        | 4.6        | 5.0        | 4.4        | 5.7        | 5.5        | 5.2        | 6.0        | 5.7        |
| TOTAL | 6315       | 6041       | 6599       | 6795       | 6833       | 5861       | 6270       | 6041       | 5124       | 6212       | 6187       | 6459       | 74737      |
| MAX   | 147.9      | 45.1       | 68.6       | 45.1       | 62.2       | 41.4       | 44.9       | 43.2       | 63.2       | 53.3       | 38.5       | 50.2       | 147.9      |
| DATE  | 2000012500 | 1996021701 | 1999031419 | 1992041918 | 1999053021 | 2001062314 | 1993070201 | 1999080309 | 2001091413 | 1990101109 | 1997110212 | 1997123006 | 2000012500 |
| MIN   | 0.0        | 1.0        | 0.0        | 1.7        | 1.7        | 1.2        | 0.0        | 0.0        | 2.1        | 2.1        | 0.0        | 1.6        | 0.0        |
| DATE  | 1999012200 | 1999021905 | 1990032704 | 2001041202 | 1998052111 | 1998060712 | 1997071214 | 1991082600 | 1993090414 | 2001102303 | 1992110215 | 2001123001 | 1999012200 |

(\* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: VENF1

(A) TOTAL STDMET RECORDS READ = 63713

(B) TOTAL CWINDE RECORDS READ = 299077

(C) TOTAL RECORDS USED IN STATS = 362790

|                               |         |         |         |       |       |       |         |         |         |        |       |       |
|-------------------------------|---------|---------|---------|-------|-------|-------|---------|---------|---------|--------|-------|-------|
|                               | AIR TMP | SEA TMP | AIR-SEA | DEWPT | SLP   | AVWS  | PKGS-8M | PKGS-5S | SIGWVHT | AVWVPD | DWVPD | VSBY  |
| (D) ELEMENT RECORDS AVAILABLE | 62934   | 61980   | 61968   | 26934 | 62922 | 62457 | 62410   | 74737   | 0       | 0      | 0     | 0     |
| (E) ELEMENT OUT OF RANGE      | 779     | 1733    | 1745    | 36779 | 791   | 1256  | 1303    | 224340  | 63713   | 63713  | 63713 | 63713 |

STATION: VENF1 -- POR (1/1994 - 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  |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1994 | MEAN    | 16.0  | 11.6  | -     | 23.7  | 24.5  | 26.4  | 26.4  | 26.5  | 25.9  | 26.1  | -     | -     | 24.1 |
|      | MAXIMUM | 24.5  | 15.9  | -     | 30.6  | 28.3  | 30.2  | 31.8  | 31.5  | 30.0  | 28.2  | -     | -     | 31.8 |
|      | DAY-HR  | 27-18 | 01-18 | -     | 30-21 | 03-00 | 26-22 | 09-19 | 03-18 | 11-17 | 03-21 | -     | -     | JUL  |
|      | MINIMUM | 4.9   | 4.3   | -     | 19.3  | 14.2  | 21.8  | 22.1  | 21.9  | 20.8  | 21.4  | -     | -     | 4.3  |
|      | DAY-HR  | 06-10 | 03-12 | -     | 29-11 | 22-11 | 18-08 | 07-07 | 25-06 | 28-01 | 05-12 | -     | -     | FEB  |
|      | # OBS   | 740   | 60    | -     | 436   | 736   | 715   | 721   | 705   | 709   | 118   | -     | -     | 4940 |
| 1995 | MEAN    | 15.2  | 16.1  | 19.7  | 22.1  | 26.2  | 26.3  | 27.3  | 27.8  | 26.6  | 24.9  | 19.1  | 16.1  | 22.5 |
|      | MAXIMUM | 24.3  | 24.4  | 27.0  | 29.5  | 31.4  | 31.2  | 32.5  | 32.5  | 31.5  | 31.3  | 27.3  | 26.2  | 32.5 |
|      | DAY-HR  | 13-18 | 27-18 | 26-21 | 11-19 | 24-20 | 15-22 | 31-21 | 05-21 | 14-18 | 02-19 | 05-20 | 17-21 | AUG  |
|      | MINIMUM | 5.5   | 0.1   | 8.5   | 10.9  | 19.2  | 21.0  | 21.3  | 23.5  | 21.9  | 15.7  | 7.5   | 2.4   | 0.1  |
|      | DAY-HR  | 25-12 | 09-13 | 10-12 | 03-11 | 01-12 | 15-11 | 12-21 | 06-11 | 07-16 | 30-11 | 16-12 | 25-10 | FEB  |
|      | # OBS   | 530   | 667   | 737   | 712   | 739   | 717   | 742   | 741   | 716   | 740   | 712   | 741   | 8494 |
| 1996 | MEAN    | 15.2  | 15.3  | 16.4  | 20.3  | 24.8  | 26.3  | 27.8  | 26.9  | 26.9  | 25.2  | 19.2  | 17.1  | 21.9 |
|      | MAXIMUM | 24.2  | 22.2  | 25.7  | 28.1  | 31.9  | 30.7  | 34.3  | 32.7  | 31.4  | 31.2  | 25.0  | 24.6  | 34.3 |
|      | DAY-HR  | 17-18 | 26-22 | 27-17 | 28-16 | 23-21 | 30-22 | 28-21 | 18-22 | 30-19 | 01-19 | 24-21 | 29-17 | JUL  |
|      | MINIMUM | 0.6   | -2.4  | 2.0   | 10.1  | 17.2  | 18.9  | 20.9  | 20.9  | 20.3  | 22.3  | 10.3  | 2.6   | -2.4 |
|      | DAY-HR  | 09-12 | 05-13 | 09-12 | 11-11 | 01-11 | 03-10 | 01-11 | 23-21 | 25-11 | 06-20 | 27-11 | 20-14 | FEB  |
|      | # OBS   | 713   | 690   | 742   | 738   | 738   | 719   | 834   | 764   | 790   | 177   | 215   | 739   | 7859 |
| 1997 | MEAN    | 16.5  | 18.9  | 22.0  | 21.4  | 24.2  | 26.2  | 27.3  | 27.8  | 26.6  | 23.7  | 20.0  | 17.6  | 22.7 |
|      | MAXIMUM | 24.8  | 28.4  | 28.0  | 27.5  | 29.9  | 31.8  | 30.7  | 32.0  | 32.0  | 30.9  | 26.8  | 24.6  | 32.0 |
|      | DAY-HR  | 26-21 | 20-21 | 12-18 | 25-18 | 29-21 | 21-18 | 07-23 | 31-19 | 21-20 | 05-20 | 21-19 | 21-20 | SEP  |
|      | MINIMUM | 2.1   | 7.2   | 14.7  | 12.1  | 16.3  | 19.7  | 21.8  | 22.4  | 21.1  | 12.6  | 8.8   | 6.9   | 2.1  |
|      | DAY-HR  | 19-12 | 12-12 | 17-11 | 19-08 | 06-11 | 08-11 | 16-11 | 27-11 | 08-11 | 28-12 | 17-12 | 28-13 | JAN  |
|      | # OBS   | 739   | 656   | 739   | 710   | 732   | 712   | 731   | 738   | 706   | 731   | 703   | 738   | 8635 |
| 1998 | MEAN    | 17.9  | 17.2  | 17.7  | 21.2  | 23.6  | 28.0  | 27.6  | 27.5  | 26.8  | 24.9  | 21.8  | 19.7  | 22.6 |
|      | MAXIMUM | 27.0  | 25.9  | 26.9  | 27.3  | 27.4  | 31.2  | 30.4  | 31.9  | 32.8  | 30.9  | 28.6  | 27.4  | 32.8 |
|      | DAY-HR  | 04-20 | 26-22 | 29-18 | 29-19 | 14-15 | 08-18 | 31-00 | 09-17 | 05-19 | 07-19 | 22-20 | 10-21 | SEP  |
|      | MINIMUM | 5.1   | 7.7   | 4.6   | 12.2  | 17.5  | 22.9  | 23.0  | 22.6  | 21.8  | 17.0  | 12.2  | 7.7   | 4.6  |
|      | DAY-HR  | 01-12 | 10-12 | 13-11 | 12-11 | 03-10 | 08-11 | 22-08 | 16-23 | 14-11 | 23-12 | 07-11 | 18-12 | MAR  |
|      | # OBS   | 716   | 662   | 715   | 689   | 478   | 573   | 552   | 784   | 573   | 744   | 719   | 740   | 7945 |
| 1999 | MEAN    | 17.3  | 17.6  | 17.8  | 22.1  | 23.6  | 25.7  | 27.2  | 27.7  | 26.5  | 23.2  | 20.0  | 17.3  | 22.2 |
|      | MAXIMUM | 26.1  | 25.0  | 26.2  | 26.8  | 29.0  | 31.1  | 32.8  | 30.8  | 32.0  | 30.3  | 27.2  | 26.3  | 32.8 |
|      | DAY-HR  | 27-21 | 11-18 | 30-18 | 07-17 | 31-18 | 06-19 | 16-21 | 17-18 | 12-19 | 13-20 | 10-21 | 09-21 | JUL  |
|      | MINIMUM | 0.0   | 5.2   | 7.0   | 13.0  | 12.5  | 21.0  | 22.1  | 21.8  | 19.0  | 13.1  | 8.6   | 4.9   | 0.0  |
|      | DAY-HR  | 06-10 | 23-12 | 05-12 | 20-10 | 02-11 | 01-11 | 04-11 | 17-21 | 23-12 | 25-11 | 04-07 | 26-12 | JAN  |
|      | # OBS   | 742   | 660   | 718   | 720   | 742   | 720   | 739   | 740   | 683   | 528   | 714   | 742   | 8448 |
| 2000 | MEAN    | 16.6  | 16.4  | 20.5  | 21.0  | 24.5  | 25.9  | 27.4  | 27.1  | 26.9  | 22.0  | 19.2  | 15.8  | 21.8 |
|      | MAXIMUM | 25.1  | 26.2  | 27.2  | 29.1  | 30.2  | 30.4  | 31.2  | 33.1  | 32.0  | 29.0  | 26.9  | 26.2  | 33.1 |
|      | DAY-HR  | 11-21 | 15-20 | 18-18 | 01-20 | 31-18 | 09-18 | 02-21 | 08-22 | 13-19 | 05-22 | 03-20 | 15-18 | AUG  |
|      | MINIMUM | 1.8   | 4.7   | 10.5  | 9.3   | 16.4  | 19.7  | 22.2  | 21.3  | 20.1  | 11.7  | 5.2   | -0.2  | -0.2 |
|      | DAY-HR  | 27-12 | 06-08 | 13-12 | 09-12 | 01-09 | 10-11 | 30-18 | 29-19 | 17-07 | 10-10 | 22-12 | 31-12 | DEC  |
|      | # OBS   | 736   | 692   | 742   | 707   | 736   | 720   | 743   | 742   | 398   | 622   | 718   | 740   | 8296 |
| 2001 | MEAN    | 12.6  | 18.9  | 19.0  | 21.4  | 23.9  | 26.3  | 26.8  | 27.0  | 25.5  | 23.2  | 20.8  | 19.7  | 22.1 |
|      | MAXIMUM | 21.6  | 26.6  | 26.3  | 27.5  | 27.8  | 31.7  | 30.8  | 31.5  | 30.5  | 30.2  | 28.8  | 28.2  | 31.7 |
|      | DAY-HR  | 29-22 | 08-21 | 18-20 | 22-18 | 09-21 | 27-20 | 03-17 | 27-20 | 06-15 | 20-20 | 02-21 | 16-20 | JUN  |
|      | MINIMUM | 1.0   | 5.5   | 9.0   | 9.5   | 15.7  | 21.6  | 22.3  | 22.4  | 19.0  | 10.3  | 13.8  | 8.0   | 1.0  |
|      | DAY-HR  | 01-13 | 06-12 | 09-12 | 19-09 | 12-11 | 19-19 | 11-01 | 03-00 | 30-12 | 28-12 | 07-11 | 27-13 | JAN  |
|      | # OBS   | 743   | 670   | 741   | 568   | 532   | 718   | 744   | 744   | 711   | 744   | 658   | 744   | 8317 |

|     |         |      |      |      |      |      |      |      |      |      |      |      |      |          |
|-----|---------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| POR | MEAN    | 15.9 | 17.1 | 19.0 | 21.6 | 24.5 | 26.3 | 27.2 | 27.3 | 26.4 | 23.9 | 20.1 | 17.6 | 22.4     |
|     | MAXIMUM | 27.0 | 28.4 | 28.0 | 30.6 | 31.9 | 31.8 | 34.3 | 33.1 | 32.8 | 31.3 | 28.8 | 28.2 | 34.3     |
|     | YEAR    | 1998 | 1997 | 1997 | 1994 | 1996 | 1997 | 1996 | 2000 | 1998 | 1995 | 2001 | 2001 | JUL/1996 |
|     | MINIMUM | 0.0  | -2.4 | 2.0  | 9.3  | 12.5 | 18.9 | 20.9 | 20.9 | 19.0 | 10.3 | 5.2  | -0.2 | -2.4     |
|     | YEAR    | 1999 | 1996 | 1996 | 2000 | 1999 | 1996 | 1996 | 1996 | 2001 | 2001 | 2000 | 2000 | FEB/1996 |
|     | # OBS   | 5659 | 4757 | 5134 | 5280 | 5433 | 5594 | 5806 | 5958 | 5286 | 4404 | 4439 | 5184 | 62934    |

STATION: VENF1 -- POR (1/1994 - 12/2001)

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

ELEMENT: SEA TEMPERATURE (DEGREES C)

| YEAR | ELEMENT | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN      |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 1994 | MEAN    | 16.0  | 17.4  | -     | 26.5  | 26.8  | 29.1  | 30.1  | 30.0  | 29.2  | 27.5  | -     | -     | 26.7     |
|      | MAXIMUM | 19.6  | 18.5  | -     | 27.6  | 28.8  | 31.3  | 31.8  | 31.8  | 31.2  | 28.4  | -     | -     | 31.8     |
|      | DAY-HR  | 31-01 | 01-00 | -     | 27-00 | 16-22 | 28-23 | 17-21 | 09-22 | 01-21 | 01-02 | -     | -     | AUG      |
|      | MINIMUM | 14.4  | 16.3  | -     | 24.7  | 23.6  | 25.9  | 28.6  | 27.1  | 27.5  | 27.0  | -     | -     | 14.4     |
|      | DAY-HR  | 22-14 | 03-12 | -     | 13-12 | 26-15 | 04-13 | 04-13 | 16-11 | 16-11 | 02-15 | -     | -     | JAN      |
|      | # OBS   | 740   | 60    | -     | 436   | 734   | 713   | 712   | 704   | 709   | 118   | -     | -     | 4926     |
| 1995 | MEAN    | 17.0  | 17.0  | 21.1  | 24.9  | 28.9  | 28.9  | 30.1  | 29.8  | 30.1  | 27.9  | 22.2  | 18.7  | 25.0     |
|      | MAXIMUM | 18.6  | 22.2  | 25.1  | 28.1  | 30.9  | 31.0  | 31.9  | 32.0  | 32.2  | 30.9  | 27.3  | 22.1  | 32.2     |
|      | DAY-HR  | 20-02 | 18-23 | 30-23 | 22-22 | 14-23 | 27-23 | 23-23 | 19-21 | 15-22 | 01-22 | 04-01 | 10-00 | SEP      |
|      | MINIMUM | 15.1  | 14.1  | 18.5  | 22.5  | 25.2  | 27.2  | 27.7  | 27.5  | 27.7  | 24.8  | 18.6  | 13.9  | 13.9     |
|      | DAY-HR  | 27-15 | 09-16 | 12-12 | 04-11 | 01-14 | 24-16 | 19-12 | 04-06 | 08-09 | 31-16 | 27-14 | 29-13 | DEC      |
|      | # OBS   | 530   | 643   | 738   | 712   | 739   | 717   | 742   | 741   | 716   | 740   | 712   | 741   | 8471     |
| 1996 | MEAN    | 15.8  | 17.2  | 18.4  | 22.6  | 27.8  | 29.5  | 30.8  | 30.3  | 30.1  | 28.1  | 20.7  | 18.2  | 24.3     |
|      | MAXIMUM | 18.7  | 22.4  | 23.0  | 26.9  | 30.7  | 31.6  | 32.6  | 31.8  | 32.0  | 29.2  | 22.3  | 21.2  | 32.6     |
|      | DAY-HR  | 30-23 | 29-22 | 31-23 | 29-23 | 29-21 | 26-21 | 26-22 | 15-23 | 07-23 | 01-20 | 21-22 | 08-00 | JUL      |
|      | MINIMUM | 13.0  | 13.9  | 13.9  | 19.4  | 25.3  | 27.5  | 28.7  | 28.7  | 27.9  | 26.9  | 19.4  | 14.9  | 13.0     |
|      | DAY-HR  | 09-07 | 07-14 | 12-14 | 12-14 | 02-14 | 05-13 | 06-14 | 24-13 | 26-13 | 07-15 | 29-14 | 22-12 | JAN      |
|      | # OBS   | 713   | 690   | 742   | 738   | 738   | 719   | 835   | 764   | 790   | 174   | 215   | 739   | 7857     |
| 1997 | MEAN    | 18.0  | 19.7  | 24.2  | 23.8  | 26.7  | 29.3  | 31.3  | 31.5  | 29.5  | 26.3  | 21.8  | 19.4  | 25.2     |
|      | MAXIMUM | 21.6  | 23.4  | 26.6  | 26.0  | 29.4  | 31.8  | 32.7  | 32.8  | 31.4  | 29.8  | 25.0  | 22.2  | 32.8     |
|      | DAY-HR  | 09-22 | 28-23 | 31-00 | 30-23 | 28-00 | 30-22 | 31-22 | 17-23 | 03-21 | 02-22 | 02-21 | 27-12 | AUG      |
|      | MINIMUM | 14.9  | 17.1  | 22.7  | 21.2  | 24.8  | 27.1  | 30.0  | 30.2  | 27.6  | 23.5  | 19.6  | 16.5  | 14.9     |
|      | DAY-HR  | 19-14 | 01-11 | 17-15 | 19-13 | 02-15 | 11-11 | 06-13 | 28-13 | 29-10 | 31-14 | 28-14 | 31-14 | JAN      |
|      | # OBS   | 739   | 656   | 739   | 710   | 731   | 712   | 731   | 737   | 706   | 731   | 703   | 738   | 8633     |
| 1998 | MEAN    | 18.8  | 17.9  | 19.5  | 23.3  | 23.8  | 28.6  | 30.2  | 31.3  | 29.5  | 27.3  | 24.1  | 22.0  | 24.5     |
|      | MAXIMUM | 21.5  | 21.7  | 23.8  | 26.0  | 28.0  | 31.8  | 32.0  | 33.0  | 32.8  | 30.3  | 25.8  | 24.5  | 33.0     |
|      | DAY-HR  | 08-21 | 28-23 | 31-23 | 05-01 | 10-22 | 23-23 | 31-20 | 15-22 | 01-21 | 03-23 | 17-23 | 09-21 | AUG      |
|      | MINIMUM | 16.0  | 15.2  | 17.0  | 19.4  | 20.0  | 21.4  | 28.3  | 29.7  | 27.2  | 24.0  | 21.8  | 19.3  | 15.2     |
|      | DAY-HR  | 02-14 | 09-14 | 13-13 | 07-12 | 17-15 | 09-05 | 16-02 | 24-14 | 20-16 | 28-15 | 08-13 | 31-15 | FEB      |
|      | # OBS   | 716   | 662   | 715   | 689   | 478   | 573   | 551   | 785   | 573   | 744   | 718   | 740   | 7944     |
| 1999 | MEAN    | 18.4  | 20.9  | 19.7  | 24.8  | 27.4  | 29.3  | 30.6  | 30.8  | 29.2  | 25.7  | 21.5  | 19.4  | 24.8     |
|      | MAXIMUM | 21.6  | 23.5  | 21.7  | 27.9  | 30.0  | 31.2  | 32.6  | 32.4  | 31.9  | 28.6  | 23.8  | 21.7  | 32.6     |
|      | DAY-HR  | 31-23 | 09-23 | 31-23 | 29-23 | 29-22 | 16-00 | 28-23 | 16-22 | 05-22 | 11-22 | 02-21 | 14-21 | JUL      |
|      | MINIMUM | 15.5  | 17.9  | 18.0  | 21.4  | 24.0  | 27.5  | 29.0  | 29.2  | 26.9  | 22.4  | 20.4  | 16.7  | 15.5     |
|      | DAY-HR  | 12-11 | 24-14 | 05-14 | 01-13 | 03-13 | 09-14 | 04-14 | 24-14 | 27-16 | 29-14 | 19-14 | 30-13 | JAN      |
|      | # OBS   | 741   | 660   | 718   | 719   | 742   | 720   | 737   | 737   | 682   | 335   | 714   | 742   | 8247     |
| 2000 | MEAN    | 18.3  | 17.5  | 22.3  | 24.0  | 27.1  | 29.7  | 30.2  | 30.1  | 30.2  | 23.5  | 22.0  | 17.6  | 24.2     |
|      | MAXIMUM | 21.2  | 21.1  | 25.8  | 25.7  | 30.8  | 31.2  | 31.9  | 31.5  | 31.6  | 25.2  | 24.7  | 21.5  | 31.9     |
|      | DAY-HR  | 11-18 | 29-23 | 31-23 | 21-23 | 27-22 | 20-23 | 13-21 | 05-23 | 03-22 | 11-00 | 10-21 | 16-22 | JUL      |
|      | MINIMUM | 13.8  | 14.6  | 19.8  | 21.7  | 23.5  | 28.4  | 28.3  | 28.6  | 28.1  | 22.7  | 18.5  | 13.7  | 13.7     |
|      | DAY-HR  | 28-13 | 07-14 | 01-14 | 10-13 | 01-13 | 12-16 | 03-13 | 13-14 | 17-13 | 28-13 | 30-15 | 31-14 | DEC      |
|      | # OBS   | 736   | 692   | 742   | 707   | 736   | 720   | 743   | 742   | 398   | 511   | 718   | 744   | 8189     |
| 2001 | MEAN    | 13.9  | 19.0  | 20.6  | 23.2  | 26.1  | 30.2  | 29.4  | 29.4  | 29.4  | 25.6  | 23.0  | 22.2  | 24.4     |
|      | MAXIMUM | 17.9  | 23.4  | 24.0  | 26.3  | 30.0  | 32.4  | 31.3  | 32.1  | 32.6  | 28.3  | 23.5  | 25.1  | 32.6     |
|      | DAY-HR  | 19-22 | 27-00 | 04-00 | 15-23 | 31-22 | 15-22 | 06-00 | 31-23 | 06-23 | 07-22 | 30-23 | 16-00 | SEP      |
|      | MINIMUM | 11.7  | 15.2  | 17.5  | 20.1  | 22.3  | 28.2  | 26.4  | 26.7  | 26.1  | 21.9  | 21.8  | 17.7  | 11.7     |
|      | DAY-HR  | 05-14 | 03-14 | 07-14 | 03-13 | 10-13 | 24-12 | 24-12 | 04-14 | 15-17 | 31-13 | 23-14 | 28-13 | JAN      |
|      | # OBS   | 743   | 670   | 741   | 568   | 532   | 718   | 744   | 744   | 713   | 744   | 52    | 744   | 7713     |
| POR  | MEAN    | 17.0  | 18.4  | 20.8  | 24.0  | 27.0  | 29.3  | 30.3  | 30.4  | 29.6  | 26.4  | 22.2  | 19.7  | 24.8     |
|      | MAXIMUM | 21.6  | 23.5  | 26.6  | 28.1  | 30.9  | 32.4  | 32.7  | 33.0  | 32.8  | 30.9  | 27.3  | 25.1  | 33.0     |
|      | YEAR    | 1999  | 1999  | 1997  | 1995  | 1995  | 2001  | 1997  | 1998  | 1998  | 1995  | 1995  | 2001  | AUG/1998 |
|      | MINIMUM | 11.7  | 13.9  | 13.9  | 19.4  | 20.0  | 21.4  | 26.4  | 26.7  | 26.1  | 21.9  | 18.5  | 13.7  | 11.7     |
|      | YEAR    | 2001  | 1996  | 1996  | 1998  | 1998  | 2001  | 2001  | 2001  | 2001  | 2001  | 2000  | 2000  | JAN/2001 |
|      | # OBS   | 5658  | 4733  | 5135  | 5279  | 5430  | 5592  | 5795  | 5954  | 5287  | 4097  | 3832  | 5188  | 61980    |

STATION: VENF1 -- POR (4/1997 - 12/2001)

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C)

| YEAR | ELEMENT | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN      |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 1997 | MEAN    | -     | -     | -     | 14.6  | -     | -     | -     | -     | -     | -     | -     | -     | 14.6     |
|      | MAXIMUM | -     | -     | -     | 21.6  | -     | -     | -     | -     | -     | -     | -     | -     | 21.6     |
|      | DAY-HR  | -     | -     | -     | 13-14 | -     | -     | -     | -     | -     | -     | -     | -     | APR      |
|      | MINIMUM | -     | -     | -     | -8.5  | -     | -     | -     | -     | -     | -     | -     | -     | -8.5     |
|      | DAY-HR  | -     | -     | -     | 01-18 | -     | -     | -     | -     | -     | -     | -     | -     | APR      |
|      | # OBS   | -     | -     | -     | 351   | -     | -     | -     | -     | -     | -     | -     | -     | 351      |
| 1998 | MEAN    | -     | -     | -     | -     | -     | 24.3  | 24.2  | 24.0  | 24.0  | 20.8  | 19.0  | 16.8  | 21.7     |
|      | MAXIMUM | -     | -     | -     | -     | -     | 26.6  | 27.3  | 26.2  | 27.0  | 25.8  | 24.0  | 23.5  | 27.3     |
|      | DAY-HR  | -     | -     | -     | -     | -     | 29-17 | 12-13 | 27-13 | 21-16 | 01-10 | 19-15 | 13-19 | JUL      |
|      | MINIMUM | -     | -     | -     | -     | -     | 20.8  | 20.2  | 19.2  | 19.2  | 11.3  | 10.3  | 1.8   | 1.8      |
|      | DAY-HR  | -     | -     | -     | -     | -     | 22-01 | 20-19 | 31-06 | 14-03 | 23-09 | 06-12 | 30-22 | DEC      |
|      | # OBS   | -     | -     | -     | -     | -     | 573   | 552   | 783   | 573   | 743   | 719   | 740   | 4683     |
| 1999 | MEAN    | 14.1  | 14.0  | 13.3  | 18.8  | 20.0  | 22.5  | 23.4  | 24.2  | 23.0  | 17.9  | 15.4  | 13.2  | 18.4     |
|      | MAXIMUM | 21.5  | 21.7  | 20.4  | 24.1  | 24.6  | 25.5  | 25.9  | 27.4  | 25.9  | 24.4  | 23.7  | 21.1  | 27.4     |
|      | DAY-HR  | 23-15 | 09-05 | 14-18 | 27-23 | 15-04 | 26-14 | 31-09 | 02-23 | 27-23 | 08-19 | 02-04 | 22-22 | AUG      |
|      | MINIMUM | -4.1  | -4.4  | 0.0   | 3.8   | 8.0   | 16.3  | 20.3  | 20.1  | 13.3  | 1.6   | -1.2  | -1.8  | -4.4     |
|      | DAY-HR  | 06-07 | 13-16 | 04-14 | 18-16 | 01-07 | 01-20 | 16-21 | 03-09 | 23-18 | 24-18 | 03-19 | 25-23 | FEB      |
|      | # OBS   | 722   | 660   | 715   | 720   | 742   | 719   | 739   | 738   | 683   | 431   | 714   | 742   | 8325     |
| 2000 | MEAN    | 11.6  | 11.7  | 15.6  | 13.4  | 16.9  | 18.3  | 18.9  | 15.7  | -     | 14.9  | 13.0  | 8.8   | 14.4     |
|      | MAXIMUM | 21.1  | 19.6  | 22.1  | 21.6  | 22.2  | 22.1  | 21.9  | 19.4  | -     | 23.6  | 22.4  | 19.5  | 23.6     |
|      | DAY-HR  | 10-20 | 19-23 | 31-21 | 01-00 | 27-13 | 03-18 | 19-23 | 07-14 | -     | 06-19 | 10-12 | 11-16 | OCT      |
|      | MINIMUM | -14.2 | -4.4  | -1.8  | -7.3  | -1.7  | 9.8   | 9.9   | -6.0  | -     | 2.0   | -6.6  | -11.9 | -14.2    |
|      | DAY-HR  | 27-19 | 05-16 | 13-18 | 05-17 | 01-00 | 09-18 | 02-19 | 08-21 | -     | 10-09 | 22-13 | 31-14 | JAN      |
|      | # OBS   | 730   | 692   | 742   | 706   | 736   | 720   | 743   | 240   | -     | 604   | 718   | 743   | 7374     |
| 2001 | MEAN    | 3.9   | 12.9  | -     | -     | 20.0  | 22.7  | 23.6  | 23.7  | 23.2  | 19.3  | 17.0  | 11.9  | 18.3     |
|      | MAXIMUM | 16.2  | 15.4  | -     | -     | 24.4  | 25.3  | 25.7  | 26.8  | 25.9  | 26.8  | 23.8  | 24.0  | 26.8     |
|      | DAY-HR  | 19-12 | 01-22 | -     | -     | 23-08 | 12-01 | 14-22 | 19-16 | 01-03 | 24-21 | 28-22 | 09-19 | OCT      |
|      | MINIMUM | -11.1 | 10.1  | -     | -     | 9.9   | 19.1  | 19.0  | 18.6  | 16.6  | -1.1  | 9.7   | -6.7  | -11.1    |
|      | DAY-HR  | 21-20 | 03-13 | -     | -     | 11-17 | 20-22 | 27-00 | 18-23 | 30-12 | 27-15 | 06-10 | 27-15 | JAN      |
|      | # OBS   | 743   | 67    | -     | -     | 507   | 718   | 744   | 744   | 709   | 741   | 497   | 731   | 6201     |
| POR  | MEAN    | 9.8   | 12.8  | 14.5  | 15.8  | 18.8  | 21.8  | 22.4  | 23.2  | 23.3  | 18.4  | 16.1  | 12.7  | 17.8     |
|      | MAXIMUM | 21.5  | 21.7  | 22.1  | 24.1  | 24.6  | 26.6  | 27.3  | 27.4  | 27.0  | 26.8  | 24.0  | 24.0  | 27.4     |
|      | YEAR    | 1999  | 1999  | 2000  | 1999  | 1999  | 1998  | 1998  | 1999  | 1998  | 2001  | 1998  | 2001  | AUG/1999 |
|      | MINIMUM | -14.2 | -4.4  | -1.8  | -8.5  | -1.7  | 9.8   | 9.9   | -6.0  | 13.3  | -1.1  | -6.6  | -11.9 | -14.2    |
|      | YEAR    | 2000  | 2000  | 2000  | 1997  | 2000  | 2000  | 2000  | 2000  | 1999  | 2001  | 2000  | 2000  | JAN/2000 |
|      | # OBS   | 2195  | 1419  | 1457  | 1777  | 1985  | 2730  | 2778  | 2505  | 1965  | 2519  | 2648  | 2956  | 26934    |

STATION: VENF1 -- POR (1/1994 - 12/2001)

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS)

| YEAR | ELEMENT | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1994 | MEAN    | 1021.2 | 1023.7 | -      | 1017.8 | 1015.2 | 1017.5 | 1019.2 | 1017.9 | 1016.4 | 1011.4 | -      | -      | 1017.8 |
|      | MAXIMUM | 1031.3 | 1028.1 | -      | 1022.3 | 1020.7 | 1021.3 | 1023.6 | 1021.7 | 1021.4 | 1015.1 | -      | -      | 1031.3 |
|      | DAY-HR  | 16-15  | 03-12  | -      | 12-17  | 06-16  | 26-16  | 15-16  | 24-23  | 01-15  | 01-03  | -      | -      | JAN    |
|      | MINIMUM | 1006.4 | 1020.5 | -      | 1012.4 | 1004.3 | 1014.2 | 1013.7 | 1014.3 | 1010.9 | 1007.8 | -      | -      | 1004.3 |
|      | DAY-HR  | 13-21  | 02-06  | -      | 23-10  | 19-23  | 18-21  | 28-09  | 22-09  | 26-21  | 02-21  | -      | -      | MAY    |
|      | # OBS   | 740    | 60     | -      | 436    | 736    | 714    | 719    | 703    | 709    | 118    | -      | -      | 4935   |
| 1995 | MEAN    | 1018.8 | 1020.3 | 1018.0 | 1015.1 | 1015.4 | 1015.1 | 1016.7 | 1013.0 | 1014.5 | 1013.9 | 1019.7 | 1019.9 | 1016.6 |
|      | MAXIMUM | 1030.1 | 1030.2 | 1029.8 | 1022.9 | 1020.5 | 1020.5 | 1021.8 | 1018.9 | 1020.3 | 1022.5 | 1026.6 | 1028.6 | 1030.2 |
|      | DAY-HR  | 25-15  | 09-15  | 11-16  | 03-15  | 29-14  | 17-03  | 05-04  | 07-16  | 14-14  | 30-14  | 16-14  | 11-15  | FEB    |
|      | MINIMUM | 1006.4 | 1011.1 | 1009.8 | 1006.8 | 1008.9 | 1007.9 | 1011.6 | 1004.0 | 1008.2 | 1003.1 | 1011.3 | 1008.9 | 1003.1 |
|      | DAY-HR  | 14-21  | 04-11  | 24-08  | 06-06  | 20-09  | 13-09  | 18-23  | 02-12  | 02-09  | 04-21  | 14-10  | 19-23  | OCT    |
|      | # OBS   | 530    | 666    | 738    | 712    | 739    | 717    | 742    | 741    | 716    | 740    | 712    | 741    | 8494   |
| 1996 | MEAN    | 1019.6 | 1020.1 | 1018.6 | 1018.0 | 1017.7 | 1016.7 | 1018.2 | 1018.1 | 1014.1 | 1014.2 | 1019.5 | 1020.9 | 1018.1 |
|      | MAXIMUM | 1028.6 | 1037.5 | 1029.9 | 1024.9 | 1024.6 | 1021.1 | 1024.1 | 1021.8 | 1020.8 | 1020.4 | 1027.0 | 1030.2 | 1037.5 |
|      | DAY-HR  | 09-15  | 05-13  | 09-15  | 11-15  | 09-15  | 02-04  | 29-04  | 24-15  | 27-05  | 01-03  | 28-15  | 20-15  | FEB    |
|      | MINIMUM | 1006.9 | 1010.1 | 1006.4 | 1009.5 | 1006.8 | 1012.3 | 1012.0 | 1010.4 | 1007.5 | 1000.2 | 1013.4 | 1012.6 | 1000.2 |
|      | DAY-HR  | 02-09  | 16-10  | 18-23  | 01-09  | 22-00  | 17-21  | 11-08  | 31-22  | 04-23  | 07-23  | 21-21  | 08-00  | OCT    |
|      | # OBS   | 713    | 690    | 742    | 738    | 738    | 719    | 835    | 764    | 790    | 175    | 215    | 739    | 7858   |
| 1997 | MEAN    | 1020.9 | 1021.5 | 1019.3 | 1016.2 | 1017.5 | 1015.1 | 1017.8 | 1017.5 | 1015.1 | 1017.1 | 1017.7 | 1016.5 | 1017.7 |

|      |         |        |        |        |        |        |        |        |        |        |        |        |        |          |
|------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
|      | MAXIMUM | 1030.4 | 1030.3 | 1026.7 | 1024.0 | 1024.3 | 1022.1 | 1022.3 | 1022.7 | 1019.8 | 1023.1 | 1027.9 | 1028.9 | 1030.4   |
|      | DAY-HR  | 18-15  | 18-04  | 08-15  | 03-15  | 05-16  | 19-16  | 07-16  | 17-16  | 14-16  | 10-13  | 17-15  | 31-23  | JAN      |
|      | MINIMUM | 1008.3 | 1016.6 | 1008.6 | 1003.2 | 1008.5 | 1005.2 | 1011.3 | 1012.3 | 1007.8 | 1011.5 | 1005.6 | 1006.6 | 1003.2   |
|      | DAY-HR  | 09-20  | 14-22  | 21-22  | 23-21  | 13-01  | 06-08  | 03-09  | 30-23  | 28-00  | 31-21  | 13-23  | 01-00  | APR      |
|      | # OBS   | 739    | 656    | 739    | 710    | 731    | 712    | 731    | 738    | 706    | 730    | 703    | 738    | 8633     |
| 1998 | MEAN    | 1018.8 | 1014.2 | 1019.4 | 1017.3 | 1015.5 | 1017.9 | 1018.0 | 1016.7 | 1014.3 | 1018.4 | 1019.4 | 1021.5 | 1017.8   |
|      | MAXIMUM | 1035.8 | 1023.9 | 1030.9 | 1024.2 | 1021.5 | 1022.9 | 1021.7 | 1022.3 | 1019.7 | 1025.2 | 1026.7 | 1027.0 | 1035.8   |
|      | DAY-HR  | 01-15  | 10-16  | 13-15  | 13-16  | 17-16  | 10-16  | 22-17  | 08-16  | 06-15  | 24-14  | 12-15  | 20-15  | JAN      |
|      | MINIMUM | 1008.2 | 997.3  | 1007.8 | 1009.5 | 1008.0 | 1010.8 | 1011.7 | 1008.6 | 1007.0 | 1012.6 | 1000.2 | 1011.1 | 997.3    |
|      | DAY-HR  | 16-08  | 04-00  | 09-04  | 04-22  | 11-10  | 15-08  | 13-07  | 26-00  | 03-08  | 01-08  | 05-10  | 29-22  | FEB      |
|      | # OBS   | 716    | 662    | 715    | 687    | 478    | 573    | 547    | 785    | 572    | 744    | 719    | 740    | 7938     |
| 1999 | MEAN    | 1022.1 | 1021.3 | 1019.1 | 1018.3 | 1017.3 | 1017.6 | 1019.5 | 1015.6 | 1012.8 | 1015.6 | 1018.5 | 1020.8 | 1018.3   |
|      | MAXIMUM | 1032.9 | 1029.0 | 1025.8 | 1027.4 | 1021.6 | 1021.3 | 1024.0 | 1023.1 | 1019.3 | 1023.2 | 1028.3 | 1030.6 | 1032.9   |
|      | DAY-HR  | 05-15  | 15-15  | 05-15  | 18-16  | 30-15  | 03-14  | 19-04  | 17-03  | 01-15  | 28-15  | 05-15  | 01-15  | JAN      |
|      | MINIMUM | 1011.0 | 1011.2 | 1009.0 | 1009.3 | 1010.9 | 1014.0 | 1012.2 | 1009.1 | 1001.1 | 1004.4 | 1009.1 | 1012.2 | 1001.1   |
|      | DAY-HR  | 03-04  | 18-21  | 15-09  | 30-08  | 01-00  | 09-21  | 30-23  | 28-23  | 15-10  | 16-09  | 16-10  | 19-09  | SEP      |
|      | # OBS   | 742    | 660    | 718    | 720    | 742    | 720    | 737    | 739    | 683    | 528    | 714    | 742    | 8445     |
| 2000 | MEAN    | 1021.8 | 1022.8 | 1017.8 | 1017.5 | 1017.4 | 1018.8 | 1016.3 | 1017.4 | 1013.7 | 1019.4 | 1018.3 | 1021.1 | 1018.7   |
|      | MAXIMUM | 1036.1 | 1030.7 | 1025.0 | 1026.0 | 1022.9 | 1023.0 | 1019.5 | 1022.2 | 1018.2 | 1024.8 | 1030.7 | 1028.0 | 1036.1   |
|      | DAY-HR  | 15-15  | 06-16  | 01-16  | 10-14  | 19-04  | 18-16  | 09-16  | 15-14  | 01-15  | 23-14  | 22-15  | 31-15  | JAN      |
|      | MINIMUM | 1006.9 | 1016.3 | 1005.7 | 1010.0 | 1011.1 | 1015.4 | 1010.3 | 1009.5 | 1008.0 | 1014.4 | 1011.5 | 1007.7 | 1005.7   |
|      | DAY-HR  | 24-18  | 14-10  | 28-01  | 25-08  | 29-23  | 16-00  | 16-00  | 30-09  | 17-09  | 08-21  | 09-22  | 28-20  | MAR      |
|      | # OBS   | 737    | 692    | 742    | 707    | 736    | 720    | 742    | 742    | 398    | 622    | 718    | 744    | 8300     |
| 2001 | MEAN    | 1022.0 | 1022.1 | 1015.8 | 1020.7 | 1016.0 | 1017.5 | 1016.4 | 1017.2 | 1013.5 | 1017.8 | 1018.3 | 1018.1 | 1017.9   |
|      | MAXIMUM | 1030.4 | 1026.9 | 1022.5 | 1028.6 | 1021.4 | 1023.9 | 1022.5 | 1022.6 | 1018.6 | 1028.5 | 1025.8 | 1025.7 | 1030.4   |
|      | DAY-HR  | 02-15  | 13-15  | 08-15  | 20-15  | 10-15  | 27-04  | 28-16  | 07-16  | 17-15  | 29-15  | 08-15  | 22-14  | JAN      |
|      | MINIMUM | 1013.6 | 1015.8 | 1009.2 | 1011.5 | 1010.7 | 1012.4 | 1008.0 | 1013.0 | 983.2  | 1010.4 | 1008.3 | 1011.9 | 983.2    |
|      | DAY-HR  | 20-09  | 28-23  | 20-09  | 01-00  | 23-22  | 02-09  | 22-22  | 15-09  | 14-12  | 23-21  | 05-08  | 18-10  | SEP      |
|      | # OBS   | 743    | 670    | 741    | 568    | 532    | 718    | 744    | 744    | 714    | 743    | 658    | 744    | 8319     |
| POR  | MEAN    | 1020.7 | 1020.4 | 1018.3 | 1017.5 | 1016.5 | 1017.0 | 1017.7 | 1016.7 | 1014.3 | 1016.8 | 1018.7 | 1019.9 | 1017.9   |
|      | MAXIMUM | 1036.1 | 1037.5 | 1030.9 | 1028.6 | 1024.6 | 1023.9 | 1024.1 | 1023.1 | 1021.4 | 1028.5 | 1030.7 | 1030.6 | 1037.5   |
|      | YEAR    | 2000   | 1996   | 1998   | 2001   | 1996   | 2001   | 1996   | 1999   | 1994   | 2001   | 2000   | 1999   | FEB/1996 |
|      | MINIMUM | 1006.4 | 997.3  | 1005.7 | 1003.2 | 1004.3 | 1005.2 | 1008.0 | 1004.0 | 983.2  | 1000.2 | 1000.2 | 1006.6 | 983.2    |
|      | YEAR    | 1995   | 1998   | 2000   | 1997   | 1994   | 1997   | 2001   | 1995   | 2001   | 1996   | 1998   | 1997   | SEP/2001 |
|      | # OBS   | 5660   | 4756   | 5135   | 5278   | 5432   | 5593   | 5797   | 5956   | 5288   | 4400   | 4439   | 5188   | 62922    |

STATION: VENF1 -- POR (1/1994 - 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  |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1994 | MEAN    | 9.7   | 9.0   | -     | 7.7   | 8.1   | 7.5   | 6.9   | 6.8   | 6.9   | 12.4  | -     | -     | 7.8  |
|      | MAXIMUM | 29.5  | 17.9  | -     | 16.9  | 23.1  | 21.8  | 22.4  | 26.6  | 19.6  | 25.5  | -     | -     | 29.5 |
|      | DAY-HR  | 04-05 | 01-00 | -     | 29-15 | 21-21 | 28-22 | 28-21 | 16-22 | 15-21 | 02-12 | -     | -     | JAN  |
|      | MINIMUM | 0.2   | 1.7   | -     | 0.8   | 0.8   | 0.0   | 0.0   | 0.0   | 0.2   | 4.3   | -     | -     | 0.0  |
|      | DAY-HR  | 02-17 | 02-02 | -     | 17-17 | 31-07 | 04-13 | 20-14 | 31-04 | 19-15 | 04-20 | -     | -     | AUG  |
|      | # OBS   | 740   | 60    | -     | 436   | 734   | 715   | 723   | 707   | 709   | 118   | -     | -     | 4942 |
| 1995 | MEAN    | 9.2   | 9.0   | 8.5   | 8.4   | 8.7   | 8.9   | 7.8   | 8.9   | 6.7   | 8.7   | 8.4   | 8.4   | 8.4  |
|      | MAXIMUM | 24.3  | 33.4  | 25.1  | 26.4  | 21.8  | 28.6  | 25.9  | 28.4  | 22.4  | 33.6  | 23.1  | 27.2  | 33.6 |
|      | DAY-HR  | 24-02 | 04-12 | 09-06 | 06-06 | 20-12 | 04-23 | 28-09 | 03-05 | 01-18 | 04-16 | 12-05 | 20-11 | OCT  |
|      | MINIMUM | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.0   | 0.2   | 0.2   | 0.0   | 0.2   | 0.0   | 0.8   | 0.0  |
|      | DAY-HR  | 18-23 | 28-01 | 07-01 | 01-17 | 23-11 | 27-13 | 24-21 | 12-09 | 11-07 | 08-00 | 01-22 | 09-05 | NOV  |
|      | # OBS   | 530   | 667   | 738   | 712   | 739   | 717   | 742   | 741   | 716   | 740   | 712   | 741   | 8495 |
| 1996 | MEAN    | 9.2   | 8.5   | 11.0  | 8.6   | 7.6   | 7.8   | 7.8   | 6.9   | 7.6   | 10.0  | 9.1   | 8.2   | 8.4  |
|      | MAXIMUM | 34.0  | 36.2  | 29.7  | 27.4  | 22.2  | 19.6  | 28.0  | 19.4  | 21.6  | 34.0  | 22.4  | 27.6  | 36.2 |
|      | DAY-HR  | 07-19 | 17-00 | 20-23 | 02-06 | 14-21 | 18-01 | 04-10 | 12-22 | 04-23 | 08-05 | 26-19 | 19-20 | FEB  |
|      | MINIMUM | 0.4   | 0.0   | 0.0   | 0.0   | 0.8   | 0.2   | 0.0   | 0.8   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 18-00 | 27-03 | 30-06 | 05-05 | 30-20 | 28-04 | 20-11 | 27-01 | 01-13 | 10-05 | 21-06 | 13-03 | DEC  |
|      | # OBS   | 713   | 690   | 742   | 738   | 738   | 719   | 835   | 764   | 790   | 177   | 215   | 739   | 7860 |
| 1997 | MEAN    | 8.0   | 8.6   | 9.0   | 10.5  | 7.9   | 8.1   | 6.4   | 6.5   | 7.7   | 8.3   | 8.6   | 11.0  | 8.4  |
|      | MAXIMUM | 28.0  | 23.5  | 26.4  | 30.1  | 23.1  | 18.9  | 19.4  | 23.5  | 29.2  | 27.8  | 23.3  | 36.5  | 36.5 |
|      | DAY-HR  | 17-00 | 10-19 | 14-07 | 18-05 | 04-22 | 13-09 | 02-10 | 22-17 | 27-04 | 27-18 | 07-20 | 30-06 | DEC  |
|      | MINIMUM | 0.0   | 0.2   | 1.2   | 1.2   | 0.0   | 0.8   | 0.0   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
|      | DAY-HR  | 07-03 | 09-16 | 29-12 | 13-02 | 10-13 | 29-14 | 12-14 | 24-15 | 12-00 | 23-06 | 23-12 | 20-22 | DEC  |
|      | # OBS   | 739   | 656   | 739   | 710   | 732   | 712   | 732   | 738   | 706   | 731   | 704   | 738   | 8637 |
| 1998 | MEAN    | 9.6   | 12.9  | 11.4  | 10.9  | 8.3   | 7.1   | 7.2   | 6.3   | 9.1   | 7.9   | 6.6   | 7.4   | 8.7  |
|      | MAXIMUM | 25.5  | 34.8  | 27.8  | 27.4  | 23.7  | 18.7  | 22.0  | 24.5  | 29.5  | 21.2  | 26.8  | 24.7  | 34.8 |
|      | DAY-HR  | 28-05 | 05-01 | 09-05 | 19-14 | 04-20 | 25-00 | 11-20 | 16-22 | 03-05 | 01-06 | 05-21 | 26-16 | FEB  |
|      | MINIMUM | 0.0   | 0.0   | 1.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0  |

|      |                 |              |              |              |              |              |              |              |              |              |              |              |              |                   |
|------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|
|      | DAY-HR<br># OBS | 30-05<br>714 | 18-09<br>662 | 29-03<br>715 | 14-02<br>689 | 19-12<br>478 | 26-07<br>573 | 13-04<br>552 | 31-14<br>785 | 09-21<br>573 | 29-01<br>744 | 26-04<br>718 | 28-22<br>739 | DEC<br>7942       |
| 1999 | MEAN            | 7.8          | 8.3          | 9.3          | 8.5          | 8.6          | 5.5          | 6.7          | 7.5          | 7.9          | 8.9          | 8.3          | 7.3          | 8.0               |
|      | MAXIMUM         | 24.9         | 23.9         | 32.9         | 23.7         | 23.7         | 14.2         | 22.7         | 24.7         | 33.2         | 24.1         | 28.8         | 21.4         | 33.2              |
|      | DAY-HR          | 23-16        | 13-06        | 03-12        | 30-19        | 01-00        | 30-06        | 09-19        | 15-06        | 21-06        | 16-21        | 03-06        | 28-10        | SEP               |
|      | MINIMUM         | 0.0          | 0.2          | 0.0          | 0.0          | 0.2          | 0.0          | 0.0          | 0.0          | 0.0          | 0.8          | 0.0          | 0.0          | 0.0               |
|      | DAY-HR<br># OBS | 22-00<br>737 | 19-04<br>660 | 26-03<br>718 | 28-05<br>720 | 09-13<br>741 | 22-15<br>243 | 02-03<br>737 | 26-07<br>739 | 27-23<br>683 | 08-23<br>528 | 27-01<br>714 | 23-00<br>742 | DEC<br>7962       |
| 2000 | MEAN            | 8.0          | 7.7          | 8.2          | 10.1         | 7.9          | 7.4          | 8.0          | 7.0          | 6.9          | 8.6          | 7.5          | 8.8          | 8.0               |
|      | MAXIMUM         | 30.9         | 20.4         | 21.2         | 25.1         | 21.2         | 17.9         | 23.1         | 26.6         | 24.5         | 18.5         | 18.5         | 29.5         | 30.9              |
|      | DAY-HR          | 24-20        | 05-21        | 17-13        | 09-03        | 15-23        | 12-14        | 24-15        | 06-19        | 10-21        | 27-19        | 09-15        | 19-17        | JAN               |
|      | MINIMUM         | 0.0          | 0.0          | 0.2          | 0.2          | 0.0          | 0.0          | 0.2          | 0.2          | 0.0          | 1.6          | 0.4          | 0.0          | 0.0               |
|      | DAY-HR<br># OBS | 30-02<br>736 | 10-12<br>692 | 17-10<br>742 | 12-15<br>707 | 14-03<br>736 | 21-14<br>720 | 29-21<br>743 | 09-14<br>742 | 09-03<br>398 | 07-06<br>623 | 17-02<br>718 | 13-00<br>744 | DEC<br>8301       |
| 2001 | MEAN            | 9.1          | 7.0          | 11.4         | 8.2          | 7.1          | 6.9          | 8.3          | 6.5          | 7.4          | 8.3          | 8.2          | 7.1          | 8.0               |
|      | MAXIMUM         | 26.6         | 17.9         | 31.3         | 22.6         | 19.1         | 29.9         | 31.5         | 19.6         | 50.0         | 22.4         | 20.6         | 25.9         | 50.0              |
|      | DAY-HR          | 22-22        | 18-00        | 05-09        | 18-01        | 23-20        | 23-14        | 23-08        | 06-03        | 14-14        | 27-15        | 15-22        | 26-20        | SEP               |
|      | MINIMUM         | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.6          | 0.0          | 0.0               |
|      | DAY-HR<br># OBS | 18-01<br>743 | 02-12<br>670 | 31-13<br>741 | 03-00<br>568 | 26-11<br>532 | 20-17<br>718 | 09-21<br>743 | 27-01<br>744 | 05-20<br>713 | 12-22<br>744 | 07-18<br>658 | 30-01<br>744 | DEC<br>8318       |
| POR  | MEAN            | 8.8          | 8.8          | 9.8          | 9.2          | 8.1          | 7.6          | 7.4          | 7.1          | 7.5          | 8.6          | 8.0          | 8.3          | 8.2               |
|      | MAXIMUM         | 34.0         | 36.2         | 32.9         | 30.1         | 23.7         | 29.9         | 31.5         | 28.4         | 50.0         | 34.0         | 28.8         | 36.5         | 50.0              |
|      | YEAR            | 1996         | 1996         | 1999         | 1997         | 1999         | 2001         | 2001         | 1995         | 2001         | 1996         | 1999         | 1997         | SEP/2001          |
|      | 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<br># OBS   | 2001<br>5652 | 2001<br>4757 | 2001<br>5135 | 2001<br>5280 | 2001<br>5430 | 2001<br>5117 | 2001<br>5807 | 2001<br>5960 | 2001<br>5288 | 2001<br>4405 | 1999<br>4439 | 2001<br>5187 | DEC/2001<br>62457 |

STATION: VENF1 -- POR (1/1994 - 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  |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1994 | MEAN    | 11.6  | 11.0  | -     | 9.2   | 9.3   | 8.6   | 8.2   | 8.1   | 8.3   | 14.6  | -     | -     | 9.2  |
|      | MAXIMUM | 34.0  | 19.4  | -     | 22.2  | 26.0  | 24.5  | 25.5  | 31.9  | 25.1  | 42.4  | -     | -     | 42.4 |
|      | DAY-HR  | 04-05 | 01-00 | -     | 27-20 | 21-21 | 28-00 | 18-21 | 15-01 | 20-01 | 02-12 | -     | -     | OCT  |
|      | # OBS   | 740   | 60    | -     | 436   | 733   | 713   | 712   | 704   | 708   | 118   | -     | -     | 4924 |
| 1995 | MEAN    | 10.6  | 10.4  | 10.1  | 9.9   | 10.0  | 10.3  | 9.2   | 10.3  | 8.0   | 10.7  | 10.1  | 10.0  | 10.0 |
|      | MAXIMUM | 28.0  | 36.7  | 27.6  | 32.3  | 24.5  | 33.2  | 29.4  | 32.5  | 25.1  | 38.9  | 25.3  | 31.1  | 38.9 |
|      | DAY-HR  | 14-09 | 04-12 | 12-17 | 06-06 | 20-12 | 04-23 | 28-09 | 03-05 | 01-18 | 04-16 | 12-05 | 20-12 | OCT  |
|      | # OBS   | 530   | 666   | 738   | 712   | 739   | 717   | 741   | 741   | 716   | 740   | 712   | 741   | 8493 |
| 1996 | MEAN    | 10.8  | 9.8   | 12.9  | 10.0  | 9.0   | 9.2   | 9.2   | 8.2   | 8.9   | 12.7  | 11.0  | 9.7   | 9.9  |
|      | MAXIMUM | 40.6  | 41.4  | 36.4  | 30.3  | 24.3  | 23.1  | 33.0  | 25.9  | 24.3  | 42.6  | 25.1  | 31.9  | 42.6 |
|      | DAY-HR  | 08-12 | 17-02 | 21-04 | 02-06 | 14-21 | 18-01 | 06-00 | 12-22 | 11-23 | 08-00 | 26-19 | 19-20 | OCT  |
|      | # OBS   | 713   | 690   | 742   | 738   | 738   | 719   | 835   | 764   | 790   | 174   | 215   | 739   | 7857 |
| 1997 | MEAN    | 9.5   | 10.2  | 10.5  | 12.6  | 9.3   | 9.5   | 7.6   | 7.8   | 9.3   | 10.1  | 10.3  | 12.7  | 9.9  |
|      | MAXIMUM | 31.9  | 26.4  | 29.4  | 34.0  | 25.9  | 21.4  | 22.0  | 26.0  | 33.4  | 34.6  | 27.4  | 42.4  | 42.4 |
|      | DAY-HR  | 25-20 | 28-16 | 14-07 | 18-05 | 04-22 | 06-16 | 14-06 | 22-17 | 27-04 | 27-18 | 07-20 | 30-06 | DEC  |
|      | # OBS   | 739   | 656   | 739   | 710   | 730   | 712   | 731   | 738   | 705   | 731   | 703   | 738   | 8632 |
| 1998 | MEAN    | 11.5  | 15.1  | 13.6  | 12.5  | 9.3   | 8.1   | 8.3   | 7.6   | 10.8  | 9.8   | 8.0   | 9.0   | 10.3 |
|      | MAXIMUM | 28.6  | 38.9  | 33.4  | 33.4  | 41.8  | 24.7  | 24.9  | 29.0  | 33.8  | 25.9  | 32.9  | 32.1  | 41.8 |
|      | DAY-HR  | 28-03 | 04-09 | 09-03 | 19-14 | 04-20 | 25-00 | 11-20 | 16-22 | 03-05 | 23-02 | 05-21 | 26-16 | MAY  |
|      | # OBS   | 714   | 662   | 714   | 689   | 478   | 573   | 551   | 785   | 573   | 743   | 718   | 739   | 7939 |
| 1999 | MEAN    | 9.3   | 9.7   | 10.8  | 9.8   | 10.1  | 6.7   | 8.0   | 8.8   | 9.5   | 11.0  | 10.1  | 8.8   | 9.5  |
|      | MAXIMUM | 30.1  | 26.2  | 36.9  | 27.2  | 27.8  | 15.6  | 24.3  | 27.6  | 37.7  | 27.8  | 32.1  | 26.2  | 37.7 |
|      | DAY-HR  | 03-05 | 13-06 | 03-12 | 30-21 | 01-01 | 30-06 | 30-13 | 15-06 | 21-06 | 16-21 | 03-06 | 28-10 | SEP  |
|      | # OBS   | 736   | 660   | 718   | 719   | 741   | 243   | 735   | 736   | 683   | 528   | 714   | 742   | 7955 |
| 2000 | MEAN    | 9.5   | 9.1   | 9.5   | 11.6  | 9.2   | 8.7   | 9.2   | 8.4   | 8.3   | 10.4  | 9.0   | 10.5  | 9.5  |
|      | MAXIMUM | 35.8  | 23.1  | 23.5  | 29.4  | 22.7  | 20.4  | 32.3  | 31.7  | 32.1  | 25.7  | 20.8  | 33.4  | 35.8 |
|      | DAY-HR  | 24-20 | 05-21 | 17-13 | 09-03 | 15-23 | 18-21 | 29-20 | 06-19 | 17-13 | 09-15 | 24-17 | 19-18 | JAN  |
|      | # OBS   | 732   | 692   | 742   | 707   | 736   | 720   | 743   | 742   | 398   | 623   | 718   | 744   | 8297 |
| 2001 | MEAN    | 10.5  | 8.3   | 13.1  | 9.6   | 8.2   | 8.2   | 9.6   | 7.8   | 9.0   | 10.3  | 10.0  | 8.6   | 9.5  |
|      | MAXIMUM | 29.5  | 19.8  | 34.6  | 25.5  | 21.0  | 41.4  | 36.7  | 25.9  | 61.6  | 27.0  | 22.7  | 31.3  | 61.6 |
|      | DAY-HR  | 20-23 | 18-00 | 06-08 | 18-01 | 23-20 | 23-14 | 23-08 | 18-21 | 14-14 | 09-23 | 15-22 | 26-20 | SEP  |
|      | # OBS   | 743   | 670   | 741   | 568   | 529   | 718   | 743   | 744   | 712   | 744   | 658   | 743   | 8313 |
| POR  | MEAN    | 10.4  | 10.4  | 11.5  | 10.7  | 9.3   | 8.9   | 8.7   | 8.4   | 9.0   | 10.5  | 9.6   | 9.9   | 9.7  |
|      | MAXIMUM | 40.6  | 41.4  | 36.9  | 34.0  | 41.8  | 41.4  | 36.7  | 32.5  | 61.6  | 42.6  | 32.9  | 42.4  | 61.6 |

|       |      |      |      |      |      |      |      |      |      |      |      |      |          |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| YEAR  | 1996 | 1996 | 1999 | 1997 | 1998 | 2001 | 2001 | 1995 | 2001 | 1996 | 1998 | 1997 | SEP/2001 |
| # OBS | 5647 | 4756 | 5134 | 5279 | 5424 | 5115 | 5791 | 5954 | 5285 | 4401 | 4438 | 5186 | 62410    |

STATION: VENF1 -- POR (1/1990 - 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   |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1990 | MEAN    | 10.4  | 13.5  | 12.9  | 13.0  | 12.1  | 10.3  | 11.3  | 9.5   | 10.7  | 12.3  | 11.6  | 11.2  | 11.6  |
|      | MAXIMUM | 36.9  | 37.7  | 30.7  | 28.4  | 29.4  | 29.4  | 36.7  | 27.6  | 47.8  | 53.3  | 32.7  | 33.6  | 53.3  |
|      | DAY-HR  | 26-05 | 24-04 | 20-19 | 03-20 | 22-19 | 23-21 | 25-19 | 23-20 | 04-23 | 11-09 | 11-01 | 08-15 | OCT   |
|      | MINIMUM | 0.0   | 1.7   | 0.0   | 2.3   | 2.7   | 2.5   | 2.9   | 2.9   | 2.1   | 3.5   | 1.6   | 1.9   | 0.0   |
|      | DAY-HR  | 10-10 | 02-00 | 27-04 | 15-08 | 13-02 | 18-04 | 21-01 | 08-15 | 14-00 | 23-13 | 26-03 | 20-01 | MAR   |
|      | # OBS   | 527   | 666   | 737   | 711   | 684   | 430   | 511   | 739   | 712   | 741   | 717   | 743   | 7918  |
| 1991 | MEAN    | 12.4  | 13.9  | 14.2  | 12.5  | 11.4  | 12.4  | -     | 10.9  | 12.4  | 12.1  | 12.9  | 10.6  | 12.4  |
|      | MAXIMUM | 31.5  | 42.0  | 41.2  | 41.2  | 29.4  | 33.8  | -     | 36.9  | 30.1  | 28.8  | 30.1  | 32.1  | 42.0  |
|      | DAY-HR  | 20-05 | 15-16 | 03-16 | 25-20 | 21-20 | 04-11 | -     | 24-22 | 25-13 | 23-20 | 24-18 | 04-09 | FEB   |
|      | MINIMUM | 2.7   | 1.6   | 2.1   | 3.5   | 3.7   | 3.1   | -     | 0.0   | 4.9   | 2.9   | 3.1   | 1.6   | 0.0   |
|      | DAY-HR  | 27-22 | 25-07 | 24-00 | 25-08 | 14-03 | 01-14 | -     | 26-00 | 20-03 | 03-22 | 23-07 | 15-03 | AUG   |
|      | # OBS   | 652   | 672   | 743   | 716   | 744   | 395   | -     | 377   | 296   | 743   | 710   | 742   | 6790  |
| 1992 | MEAN    | 13.0  | 12.9  | 12.7  | 13.8  | 11.7  | 13.1  | 9.9   | 9.4   | 10.2  | 12.9  | 15.0  | 11.7  | 12.3  |
|      | MAXIMUM | 35.4  | 30.3  | 32.9  | 45.1  | 29.4  | 40.2  | 33.2  | 39.3  | 34.6  | 39.1  | 32.1  | 37.3  | 45.1  |
|      | DAY-HR  | 04-10 | 06-19 | 11-11 | 19-18 | 07-22 | 26-21 | 12-20 | 07-20 | 13-22 | 04-04 | 10-16 | 11-08 | APR   |
|      | MINIMUM | 2.1   | 2.7   | 4.1   | 2.3   | 2.3   | 2.9   | 2.1   | 3.1   | 2.9   | 2.5   | 0.0   | 1.7   | 0.0   |
|      | DAY-HR  | 10-14 | 23-01 | 02-06 | 13-05 | 25-11 | 12-12 | 28-14 | 02-14 | 29-12 | 26-06 | 02-15 | 18-23 | NOV   |
|      | # OBS   | 739   | 690   | 738   | 720   | 739   | 701   | 742   | 427   | 473   | 731   | 555   | 533   | 7788  |
| 1993 | MEAN    | 12.5  | 14.8  | 14.5  | 14.6  | 12.4  | 10.6  | 10.1  | 11.2  | 10.5  | 12.2  | 13.2  | 12.8  | 12.4  |
|      | MAXIMUM | 46.1  | 34.0  | 55.6  | 42.4  | 30.7  | 29.2  | 44.9  | 32.9  | 35.0  | 41.4  | 31.9  | 32.5  | 55.6  |
|      | DAY-HR  | 16-12 | 22-22 | 13-18 | 05-07 | 28-20 | 14-23 | 02-01 | 09-21 | 16-21 | 31-13 | 01-01 | 15-12 | MAR   |
|      | MINIMUM | 1.9   | 3.5   | 1.9   | 2.3   | 2.9   | 2.7   | 3.3   | 2.5   | 2.1   | 3.5   | 2.3   | 1.7   | 1.7   |
|      | DAY-HR  | 22-00 | 10-05 | 29-14 | 21-11 | 02-00 | 13-05 | 25-01 | 18-14 | 04-14 | 08-16 | 20-13 | 30-02 | DEC   |
|      | # OBS   | 730   | 626   | 725   | 711   | 733   | 705   | 726   | 729   | 712   | 631   | 689   | 741   | 8458  |
| 1996 | MEAN    | 13.2  | 11.7  | 15.5  | 12.2  | 11.3  | 11.7  | 11.5  | 8.8   | -     | -     | -     | -     | 12.4  |
|      | MAXIMUM | 43.0  | 45.1  | 43.5  | 35.6  | 25.1  | 30.3  | 40.8  | 13.4  | -     | -     | -     | -     | 45.1  |
|      | DAY-HR  | 07-23 | 17-01 | 31-02 | 01-01 | 23-00 | 21-18 | 06-00 | 01-00 | -     | -     | -     | -     | FEB   |
|      | MINIMUM | 2.3   | 1.2   | 2.1   | 2.5   | 3.9   | 2.7   | 2.7   | 4.9   | -     | -     | -     | -     | 1.2   |
|      | DAY-HR  | 31-04 | 27-04 | 30-06 | 05-04 | 26-13 | 21-23 | 10-05 | 02-07 | -     | -     | -     | -     | FEB   |
|      | # OBS   | 713   | 713   | 742   | 738   | 738   | 719   | 811   | 47    | -     | -     | -     | -     | 5221  |
| 1997 | MEAN    | -     | -     | -     | 16.0  | 11.4  | 11.7  | 10.2  | 10.2  | 11.8  | 12.5  | 13.0  | 15.4  | 12.4  |
|      | MAXIMUM | -     | -     | -     | 36.2  | 28.0  | 32.3  | 36.2  | 30.1  | 42.6  | 39.7  | 38.5  | 50.2  | 50.2  |
|      | DAY-HR  | -     | -     | -     | 18-07 | 28-22 | 01-20 | 05-22 | 22-15 | 27-05 | 27-18 | 02-12 | 30-06 | DEC   |
|      | MINIMUM | -     | -     | -     | 2.9   | 2.5   | 2.5   | 0.0   | 3.1   | 3.3   | 2.3   | 3.3   | 2.7   | 0.0   |
|      | DAY-HR  | -     | -     | -     | 13-02 | 01-02 | 29-15 | 12-14 | 20-11 | 14-01 | 22-18 | 30-10 | 26-10 | JUL   |
|      | # OBS   | -     | -     | -     | 518   | 708   | 712   | 726   | 713   | 706   | 731   | 702   | 736   | 6252  |
| 1998 | MEAN    | 14.2  | 18.0  | 16.5  | 14.9  | 11.3  | 10.0  | 10.5  | 10.0  | 13.6  | 12.1  | 9.8   | 11.1  | 12.7  |
|      | MAXIMUM | 48.4  | 43.4  | 57.7  | 34.0  | 49.8  | 24.7  | 31.1  | 34.4  | 41.4  | 29.2  | 36.0  | 39.1  | 57.7  |
|      | DAY-HR  | 08-12 | 04-09 | 09-07 | 19-15 | 04-21 | 25-00 | 20-19 | 16-23 | 18-23 | 23-02 | 05-14 | 26-16 | MAR   |
|      | MINIMUM | 0.6   | 1.4   | 4.1   | 2.9   | 1.7   | 1.2   | 2.3   | 2.1   | 2.7   | 3.5   | 2.5   | 2.3   | 0.6   |
|      | DAY-HR  | 30-05 | 18-09 | 29-08 | 27-02 | 21-11 | 07-12 | 13-05 | 26-12 | 22-03 | 15-01 | 16-02 | 25-00 | JAN   |
|      | # OBS   | 714   | 661   | 715   | 689   | 478   | 474   | 536   | 785   | 573   | 744   | 744   | 740   | 7853  |
| 1999 | MEAN    | 11.6  | 11.7  | 13.1  | 11.8  | 12.4  | 9.4   | 10.5  | 11.5  | 12.5  | 13.7  | 12.6  | 11.0  | 11.9  |
|      | MAXIMUM | 45.5  | 28.2  | 68.6  | 31.3  | 62.2  | 30.3  | 34.2  | 43.2  | 39.3  | 28.2  | 34.2  | 26.2  | 68.6  |
|      | DAY-HR  | 03-05 | 13-08 | 14-19 | 29-01 | 30-21 | 30-11 | 15-21 | 03-09 | 21-07 | 16-03 | 03-06 | 28-10 | MAR   |
|      | MINIMUM | 0.0   | 1.0   | 1.6   | 1.9   | 2.9   | 3.3   | 1.0   | 2.5   | 2.9   | 2.9   | 1.4   | 1.6   | 0.0   |
|      | DAY-HR  | 22-00 | 19-05 | 26-04 | 09-08 | 13-12 | 26-11 | 22-11 | 26-08 | 10-07 | 18-12 | 27-01 | 11-11 | JAN   |
|      | # OBS   | 760   | 660   | 718   | 718   | 742   | 287   | 735   | 739   | 542   | 527   | 714   | 742   | 7884  |
| 2000 | MEAN    | 12.2  | 11.3  | 11.7  | 13.9  | 11.2  | 11.3  | 11.8  | 11.0  | 10.8  | 12.8  | 11.1  | 13.1  | 11.9  |
|      | MAXIMUM | 147.9 | 25.1  | 28.6  | 35.4  | 25.1  | 32.7  | 38.3  | 35.2  | 35.0  | 26.0  | 26.2  | 39.1  | 147.9 |
|      | DAY-HR  | 25-00 | 21-21 | 17-14 | 14-07 | 04-19 | 18-00 | 15-15 | 29-19 | 17-13 | 09-14 | 24-18 | 19-17 | JAN   |
|      | MINIMUM | 1.4   | 1.7   | 2.1   | 2.7   | 1.9   | 1.6   | 2.5   | 2.5   | 3.5   | 3.3   | 1.7   | 2.1   | 1.4   |
|      | DAY-HR  | 30-02 | 05-05 | 11-03 | 08-01 | 13-08 | 23-09 | 05-14 | 29-08 | 04-14 | 28-14 | 19-00 | 12-21 | JAN   |
|      | # OBS   | 737   | 692   | 740   | 707   | 735   | 720   | 740   | 741   | 397   | 620   | 698   | 738   | 8265  |
| 2001 | MEAN    | 12.7  | 10.5  | 15.6  | 11.8  | 9.9   | 10.6  | 12.4  | 10.0  | 11.5  | 13.0  | 12.4  | 10.9  | 11.8  |
|      | MAXIMUM | 30.7  | 25.3  | 36.7  | 27.8  | 21.2  | 41.4  | 40.8  | 31.7  | 63.2  | 29.0  | 26.6  | 31.7  | 63.2  |
|      | DAY-HR  | 20-22 | 18-19 | 06-03 | 18-01 | 23-20 | 23-14 | 23-08 | 06-03 | 14-13 | 27-16 | 05-19 | 26-19 | SEP   |
|      | MINIMUM | 1.9   | 1.6   | 2.9   | 1.7   | 2.3   | 3.5   | 2.9   | 1.7   | 2.9   | 2.1   | 1.9   | 1.6   | 1.6   |
|      | DAY-HR  | 06-14 | 01-23 | 31-11 | 12-02 | 22-02 | 25-04 | 30-09 | 18-07 | 22-09 | 23-03 | 23-01 | 30-01 | DEC   |
|      | # OBS   | 743   | 661   | 741   | 567   | 532   | 718   | 743   | 744   | 713   | 744   | 658   | 744   | 8308  |

|     |         |       |      |      |      |      |      |      |      |      |      |      |      |          |
|-----|---------|-------|------|------|------|------|------|------|------|------|------|------|------|----------|
| POR | MEAN    | 12.5  | 13.1 | 14.1 | 13.4 | 11.6 | 11.3 | 10.9 | 10.4 | 11.5 | 12.6 | 12.3 | 12.0 | 12.2     |
|     | MAXIMUM | 147.9 | 45.1 | 68.6 | 45.1 | 62.2 | 41.4 | 44.9 | 43.2 | 63.2 | 53.3 | 38.5 | 50.2 | 147.9    |
|     | YEAR    | 2000  | 1996 | 1999 | 1992 | 1999 | 2001 | 1993 | 1999 | 2001 | 1990 | 1997 | 1997 | JAN/2000 |
|     | MINIMUM | 0.0   | 1.0  | 0.0  | 1.7  | 1.7  | 1.2  | 0.0  | 0.0  | 2.1  | 2.1  | 0.0  | 1.6  | 0.0      |
|     | YEAR    | 1999  | 1999 | 1990 | 2001 | 1998 | 1998 | 1997 | 1991 | 1993 | 2001 | 1992 | 2001 | JAN/1999 |
|     | # OBS   | 6315  | 6041 | 6599 | 6795 | 6833 | 5861 | 6270 | 6041 | 5124 | 6212 | 6187 | 6459 | 74737    |

STATION: VENF1

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

Month: JAN

| WIND SPEED  |      | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|-------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             |      | CALM           | 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           |      | 0.3            | 0.1   | 0.1   | -     | *     | -     | -     | *     | *     | -     | *     | *     | *     | 0.6   | 32    |
| 1           | - 3  |                | 1.1   | 1.3   | 1.3   | 0.9   | 0.9   | 0.5   | 0.5   | 0.4   | 0.4   | 0.6   | 0.5   | 0.9   | 9.3   | 523   |
| 4           | - 6  |                | 2.4   | 4.2   | 6.9   | 4.8   | 1.5   | 1.5   | 1.2   | 0.9   | 0.5   | 0.7   | 1.0   | 1.7   | 27.3  | 1544  |
| 7           | - 10 |                | 4.0   | 5.4   | 7.1   | 4.8   | 2.0   | 5.4   | 1.9   | 0.6   | 0.5   | 0.8   | 1.0   | 2.0   | 35.6  | 2012  |
| 11          | - 15 |                | 1.6   | 2.3   | 1.6   | 0.9   | 1.2   | 4.2   | 0.6   | 0.2   | 0.1   | 0.2   | 1.1   | 2.5   | 16.6  | 936   |
| 16          | - 20 |                | 0.4   | 0.1   | 0.1   | 0.2   | 0.1   | 1.6   | 0.2   | *     | 0.1   | 0.2   | 1.2   | 2.2   | 6.5   | 365   |
| 21          | - 24 |                | 0.1   | *     | -     | -     | -     | 0.4   | *     | *     | *     | *     | 0.8   | 1.7   | 3.0   | 172   |
| 25          | - 33 |                | -     | -     | -     | -     | -     | *     | -     | -     | -     | 0.1   | 0.2   | 0.9   | 1.2   | 67    |
| 34          | - 47 |                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | *     | -     | 0.0   | 1     |
| > 48        |      |                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %     |      | 0.3            | 9.6   | 13.3  | 17.0  | 11.7  | 5.8   | 13.7  | 4.5   | 2.3   | 1.6   | 2.6   | 5.7   | 11.9  | 100.0 |       |
| TOTAL N     |      | 16             | 543   | 753   | 963   | 661   | 326   | 773   | 254   | 130   | 88    | 147   | 324   | 674   |       | 5652  |
| (* < 0.05%) |      |                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

(\* < 0.05%)

STATION: VENF1

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

Month: FEB

|             |      | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       |      | TOT % | TOT N |
|-------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| WIND SPEED  | CALM | 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           | 0.4  | 0.1            | -     | -     | *     | -     | *     | *     | *     | -     | *     | -     | *     | 0.6  | 27    |       |
| 1 - 3       |      | 1.0            | 1.2   | 1.0   | 1.0   | 1.1   | 0.9   | 0.8   | 0.7   | 0.8   | 0.4   | 0.5   | 0.4   | 9.7  | 461   |       |
| 4 - 6       |      | 2.4            | 3.0   | 5.5   | 4.8   | 1.7   | 1.8   | 2.5   | 1.6   | 1.4   | 1.0   | 1.3   | 1.0   | 28.2 | 1340  |       |
| 7 - 10      |      | 3.4            | 4.5   | 5.2   | 4.3   | 2.0   | 3.3   | 2.9   | 1.3   | 1.3   | 1.5   | 2.0   | 2.3   | 33.9 | 1612  |       |
| 11 - 15     |      | 1.3            | 1.5   | 1.4   | 1.3   | 0.8   | 3.1   | 1.5   | 0.3   | 0.3   | 0.6   | 2.2   | 2.9   | 16.9 | 806   |       |
| 16 - 20     |      | 0.4            | 0.1   | *     | 0.2   | 0.3   | 1.5   | 0.3   | *     | 0.1   | 0.1   | 1.2   | 2.2   | 6.3  | 298   |       |
| 21 - 24     |      | 0.1            | -     | -     | *     | 0.1   | 0.3   | 0.1   | -     | *     | *     | 0.8   | 1.3   | 2.7  | 129   |       |
| 25 - 33     |      | *              | -     | -     | *     | 0.1   | 0.2   | -     | -     | -     | 0.1   | 0.8   | 0.5   | 1.7  | 80    |       |
| 34 - 47     |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | *     | *     | 0.1  | 4     |       |
| > 48        |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0  | 0     |       |
| TOTAL %     |      | 0.4            | 8.7   | 10.2  | 13.2  | 11.6  | 6.0   | 11.1  | 8.1   | 3.9   | 3.8   | 3.7   | 8.7   | 10.6 | 100.0 |       |
| TOTAL N     |      | 17             | 416   | 486   | 627   | 554   | 285   | 526   | 383   | 185   | 182   | 176   | 416   | 504  |       | 4757  |
| (* < 0.05%) |      |                |       |       |       |       |       |       |       |       |       |       |       |      |       |       |

(\* < 0.05%)

STATION: VENF1

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

Month: MAR

|             |      | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       |      | TOT % | TOT N |
|-------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| WIND SPEED  | CALM | 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           | 0.2  | *              | -     | -     | -     | *     | *     | -     | -     | -     | -     | *     | *     | 0.3  | 14    |       |
| 1 - 3       |      | 0.9            | 0.9   | 1.1   | 1.1   | 0.6   | 0.3   | 0.3   | 0.4   | 0.3   | 0.2   | 0.4   | 0.2   | 6.6  | 337   |       |
| 4 - 6       |      | 1.6            | 2.8   | 4.8   | 4.1   | 1.7   | 0.8   | 0.7   | 1.1   | 1.1   | 1.7   | 1.3   | 0.7   | 22.4 | 1150  |       |
| 7 - 10      |      | 2.5            | 3.8   | 3.6   | 4.8   | 2.5   | 2.0   | 3.3   | 2.4   | 2.5   | 2.7   | 2.6   | 1.7   | 34.3 | 1761  |       |
| 11 - 15     |      | 1.8            | 1.3   | 1.1   | 1.8   | 2.0   | 2.6   | 2.8   | 1.2   | 0.8   | 1.1   | 3.1   | 2.6   | 22.2 | 1138  |       |
| 16 - 20     |      | 0.5            | 0.2   | 0.1   | 0.3   | 0.2   | 1.3   | 0.8   | 0.2   | 0.1   | 0.4   | 2.5   | 3.2   | 9.8  | 504   |       |
| 21 - 24     |      | *              | *     | *     | *     | -     | 0.4   | *     | -     | 0.1   | 0.3   | 1.0   | 1.2   | 3.0  | 154   |       |
| 25 - 33     |      | -              | -     | -     | -     | -     | 0.1   | *     | -     | *     | 0.1   | 0.6   | 0.6   | 1.5  | 77    |       |
| 34 - 47     |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0  | 0     |       |
| > 48        |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0  | 0     |       |
| TOTAL %     |      | 0.2            | 7.4   | 9.0   | 10.8  | 12.1  | 7.0   | 7.5   | 7.9   | 5.1   | 4.8   | 6.5   | 11.4  | 10.2 | 100.0 |       |
| TOTAL N     |      | 8              | 381   | 460   | 555   | 623   | 357   | 384   | 406   | 264   | 249   | 336   | 586   | 526  |       | 5135  |
| (* < 0.05%) |      |                |       |       |       |       |       |       |       |       |       |       |       |      |       |       |

(\* < 0.05%)

STATION: VENF1

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

Month: APR

|            |      | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       |      | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| WIND SPEED | CALM | 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          | 0.1  | *              | *     | *     | *     | -     | -     | *     | -     | -     | -     | -     | *     | 0.2  | 12    |       |
| 1 - 3      |      | 0.5            | 1.0   | 1.2   | 1.3   | 0.9   | 0.3   | 0.3   | 0.5   | 0.2   | 0.3   | 0.4   | 0.3   | 7.3  | 387   |       |
| 4 - 6      |      | 1.6            | 2.6   | 6.3   | 6.3   | 2.1   | 0.6   | 0.9   | 1.1   | 1.0   | 1.1   | 0.9   | 0.7   | 25.2 | 1333  |       |

|             |     |     |     |      |      |     |     |     |     |     |     |      |      |       |
|-------------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|------|------|-------|
| 7 - 10      | 2.3 | 2.9 | 4.1 | 5.1  | 3.2  | 1.3 | 2.8 | 2.6 | 2.3 | 3.2 | 3.0 | 2.0  | 34.7 | 1833  |
| 11 - 15     | 0.7 | 1.1 | 0.6 | 1.1  | 1.4  | 1.6 | 3.7 | 2.0 | 1.2 | 1.4 | 3.8 | 2.5  | 21.2 | 1117  |
| 16 - 20     | 0.3 | 0.1 | 0.1 | 0.1  | 0.1  | 1.3 | 1.2 | 0.4 | 0.2 | 0.3 | 2.4 | 2.6  | 9.0  | 474   |
| 21 - 24     | -   | -   | -   | -    | -    | 0.4 | 0.2 | -   | *   | 0.1 | 0.4 | 0.9  | 2.0  | 106   |
| 25 - 33     | -   | -   | -   | -    | -    | 0.1 | -   | *   | -   | -   | 0.1 | 0.1  | 0.3  | 18    |
| 34 - 47     | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -    | 0.0  | 0     |
| > 48        | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -    | 0.0  | 0     |
| TOTAL %     | 0.1 | 5.3 | 7.7 | 12.4 | 13.8 | 7.7 | 5.6 | 9.1 | 6.6 | 5.1 | 6.4 | 11.1 | 9.0  | 100.0 |
| TOTAL N     | 4   | 281 | 409 | 653  | 731  | 409 | 296 | 482 | 349 | 269 | 337 | 584  | 476  | 5280  |
| (* < 0.05%) |     |     |     |      |      |     |     |     |     |     |     |      |      |       |

STATION: VENF1

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

Month: MAY

| WIND SPEED  |     | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|-------------|-----|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             |     | CALM           | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 |       |       |
| 0           | 0.2 | -              | *     | *     | -     | *     | *     | *     | -     | -     | *     | -     | -     | 0.3   | 17    |
| 1 - 3       |     | 0.6            | 1.3   | 1.8   | 2.1   | 0.7   | 0.3   | 0.4   | 0.3   | 0.6   | 0.4   | 0.4   | 0.4   | 9.4   | 508   |
| 4 - 6       |     | 1.7            | 2.3   | 6.7   | 7.6   | 2.5   | 0.4   | 0.6   | 1.0   | 1.6   | 2.5   | 1.7   | 0.6   | 29.4  | 1595  |
| 7 - 10      |     | 1.8            | 1.4   | 3.4   | 4.3   | 2.3   | 0.6   | 1.5   | 3.1   | 4.2   | 6.4   | 6.1   | 2.0   | 37.0  | 2009  |
| 11 - 15     |     | 0.6            | 0.3   | 0.9   | 0.8   | 0.3   | 0.7   | 2.0   | 1.4   | 1.3   | 2.3   | 6.1   | 2.9   | 19.7  | 1071  |
| 16 - 20     |     | *              | -     | *     | -     | -     | 0.2   | 0.3   | 0.3   | 0.2   | 0.2   | 1.2   | 1.3   | 3.8   | 208   |
| 21 - 24     |     | -              | -     | -     | -     | -     | *     | *     | -     | 0.1   | *     | 0.1   | 0.2   | 0.4   | 22    |
| 25 - 33     |     | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| 34 - 47     |     | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| > 48        |     | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %     |     | 0.2            | 4.8   | 5.3   | 12.9  | 14.8  | 5.9   | 2.2   | 4.9   | 6.1   | 8.0   | 12.0  | 15.6  | 7.5   | 100.0 |
| TOTAL N     |     | 9              | 259   | 288   | 699   | 803   | 322   | 117   | 264   | 332   | 436   | 651   | 845   | 405   | 5430  |
| (* < 0.05%) |     |                |       |       |       |       |       |       |       |       |       |       |       |       |       |

STATION: VENF1

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

Month: JUN

| WIND SPEED  |     | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|-------------|-----|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             |     | CALM           | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 |       |       |
| 0           | 0.2 | 0.1            | *     | 0.1   | *     | *     | -     | -     | *     | -     | -     | *     | 0.1   | 0.5   | 24    |
| 1 - 3       |     | 0.4            | 1.0   | 1.6   | 2.6   | 1.0   | 0.4   | 0.4   | 0.5   | 0.6   | 0.6   | 0.5   | 0.4   | 9.9   | 508   |
| 4 - 6       |     | 1.3            | 2.1   | 8.8   | 8.7   | 3.2   | 0.6   | 1.0   | 1.5   | 2.5   | 2.5   | 1.8   | 0.5   | 34.5  | 1764  |
| 7 - 10      |     | 0.6            | 1.2   | 4.0   | 4.7   | 2.3   | 0.9   | 1.8   | 3.8   | 4.2   | 5.1   | 5.0   | 1.8   | 35.5  | 1817  |
| 11 - 15     |     | 0.1            | 0.2   | 1.1   | 0.6   | 0.4   | 0.6   | 1.8   | 2.3   | 1.6   | 1.9   | 4.3   | 1.9   | 16.8  | 858   |
| 16 - 20     |     | -              | -     | 0.1   | *     | *     | 0.3   | 0.2   | 0.3   | 0.4   | *     | 0.5   | 0.5   | 2.4   | 121   |
| 21 - 24     |     | -              | -     | -     | -     | -     | 0.1   | 0.1   | 0.1   | -     | -     | *     | -     | 0.3   | 15    |
| 25 - 33     |     | -              | -     | -     | -     | -     | 0.1   | 0.1   | -     | -     | *     | *     | -     | 0.2   | 10    |
| 34 - 47     |     | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| > 48        |     | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %     |     | 0.2            | 2.4   | 4.4   | 15.7  | 16.6  | 7.0   | 2.8   | 5.3   | 8.5   | 9.3   | 10.1  | 12.3  | 100.0 |       |
| TOTAL N     |     | 8              | 125   | 227   | 802   | 850   | 359   | 145   | 272   | 436   | 477   | 516   | 628   |       | 5117  |
| (* < 0.05%) |     |                |       |       |       |       |       |       |       |       |       |       |       |       |       |

STATION: VENF1

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

Month: JUL

| WIND SPEED  |     | WIND DIRECTION |       |       |       |       |       |       |       |       |       |       |       |       | TOT % | TOT N |
|-------------|-----|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             |     | CALM           | 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           | 0.4 | *              | 0.1   | *     | *     | 0.1   | *     | *     | -     | *     | *     | 0.1   | -     | 0.7   | 41    |       |
| 1 - 3       |     | 0.5            | 1.2   | 2.5   | 2.8   | 1.4   | 0.4   | 0.2   | 0.5   | 0.3   | 0.6   | 0.5   | 0.3   | 11.2  | 648   |       |
| 4 - 6       |     | 0.7            | 2.0   | 7.3   | 11.0  | 4.6   | 0.7   | 1.2   | 1.6   | 2.8   | 2.8   | 1.5   | 0.5   | 36.9  | 2141  |       |
| 7 - 10      |     | 0.4            | 0.5   | 2.2   | 4.4   | 3.3   | 1.1   | 1.8   | 3.0   | 4.8   | 5.7   | 4.1   | 1.3   | 32.6  | 1894  |       |
| 11 - 15     |     | 0.1            | 0.1   | 0.3   | 0.6   | 0.6   | 0.4   | 1.3   | 1.8   | 2.8   | 3.4   | 3.1   | 1.0   | 15.5  | 898   |       |
| 16 - 20     |     | -              | *     | *     | -     | 0.1   | 0.2   | 0.1   | 0.2   | 0.5   | 0.6   | 0.3   | 0.2   | 2.3   | 131   |       |
| 21 - 24     |     | -              | *     | -     | -     | -     | 0.1   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | *     | 0.6   | 35    |       |
| 25 - 33     |     | -              | -     | -     | -     | -     | *     | 0.1   | 0.2   | *     | -     | -     | -     | 0.3   | 19    |       |
| 34 - 47     |     | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |       |
| > 48        |     | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |       |
| TOTAL %     |     | 0.4            | 1.7   | 4.0   | 12.3  | 18.9  | 10.0  | 3.0   | 5.0   | 7.4   | 11.3  | 13.1  | 9.6   | 3.4   | 100.0 |       |
| TOTAL N     |     | 23             | 98    | 230   | 713   | 1097  | 580   | 172   | 288   | 428   | 659   | 763   | 560   | 196   | 5807  |       |
| (* < 0.05%) |     |                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

STATION: VENF1

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

Month: AUG

WIND DIRECTION





STATION: VENF1

## 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          | 0.2  | *              | -     | -     | *     | *     | -     | *     | *     | -     | -     | -     | *     | 0.3   | 16    |
| 1 - 3      |      | 1.0            | 1.7   | 1.6   | 1.3   | 0.9   | 0.5   | 0.3   | 0.3   | 0.2   | 0.3   | 0.5   | 0.5   | 8.8   | 459   |
| 4 - 6      |      | 3.0            | 5.8   | 9.5   | 6.8   | 2.3   | 1.3   | 1.0   | 0.7   | 0.5   | 0.8   | 1.0   | 1.2   | 34.0  | 1764  |
| 7 - 10     |      | 3.9            | 6.8   | 7.4   | 4.2   | 2.3   | 2.5   | 1.6   | 0.6   | 0.4   | 0.5   | 1.1   | 2.1   | 33.4  | 1733  |
| 11 - 15    |      | 2.2            | 2.8   | 1.2   | 0.5   | 0.7   | 3.6   | 0.5   | 0.1   | 0.4   | 0.4   | 0.9   | 2.3   | 15.6  | 808   |
| 16 - 20    |      | 0.4            | *     | *     | -     | *     | 0.7   | 0.1   | *     | 0.1   | 0.2   | 0.6   | 2.3   | 4.6   | 240   |
| 21 - 24    |      | 0.1            | -     | -     | -     | -     | 0.1   | *     | *     | -     | 0.1   | 0.5   | 1.0   | 1.7   | 90    |
| 25 - 33    |      | 0.1            | -     | -     | -     | -     | -     | *     | -     | -     | 0.1   | 0.5   | 0.8   | 1.4   | 74    |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | *     | *     | 0.1   | 3     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 0.2  | 10.8           | 17.2  | 19.8  | 12.8  | 6.2   | 8.7   | 3.5   | 1.8   | 1.6   | 2.3   | 5.0   | 10.2  | 100.0 |       |
| TOTAL N    | 9    | 559            | 890   | 1027  | 662   | 323   | 450   | 184   | 93    | 84    | 119   | 258   | 529   |       | 5187  |

(\* &lt; 0.05%)

STATION: VENF1

## 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          | 0.2  | *              | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 0.4   | 254   |
| 1 - 3      |      | 0.7            | 1.2   | 1.7   | 1.8   | 1.0   | 0.4   | 0.3   | 0.4   | 0.4   | 0.4   | 0.4   | 0.3   | 9.0   | 5646  |
| 4 - 6      |      | 1.9            | 3.6   | 8.2   | 7.5   | 2.5   | 0.8   | 1.0   | 1.2   | 1.5   | 1.7   | 1.3   | 0.8   | 31.9  | 19903 |
| 7 - 10     |      | 2.3            | 3.9   | 5.2   | 4.8   | 2.5   | 1.8   | 2.0   | 1.9   | 2.3   | 3.2   | 3.1   | 1.8   | 34.8  | 21727 |
| 11 - 15    |      | 1.0            | 1.4   | 1.3   | 1.0   | 0.8   | 1.7   | 1.5   | 1.0   | 1.0   | 1.2   | 2.7   | 2.2   | 16.9  | 10551 |
| 16 - 20    |      | 0.2            | 0.1   | 0.1   | 0.1   | 0.1   | 0.7   | 0.4   | 0.2   | 0.2   | 0.2   | 0.9   | 1.5   | 4.9   | 3037  |
| 21 - 24    |      | *              | *     | *     | *     | *     | 0.2   | 0.1   | 0.1   | *     | 0.1   | 0.3   | 0.6   | 1.5   | 907   |
| 25 - 33    |      | *              | *     | -     | *     | *     | 0.1   | 0.1   | *     | *     | *     | 0.2   | 0.3   | 0.7   | 419   |
| 34 - 47    |      | -              | -     | -     | -     | -     | *     | *     | -     | -     | -     | *     | *     | 0.0   | 11    |
| > 48       |      | -              | -     | *     | -     | -     | -     | -     | -     | -     | -     | *     | *     | 0.0   | 3     |
| TOTAL %    | 0.2  | 6.2            | 10.2  | 16.5  | 15.2  | 6.9   | 5.7   | 5.4   | 4.9   | 5.4   | 6.8   | 9.0   | 7.6   | 100.0 |       |
| TOTAL N    | 129  | 3886           | 6375  | 10331 | 9476  | 4281  | 3555  | 3395  | 3055  | 3395  | 4247  | 5616  | 4717  |       | 62458 |

(\* &lt; 0.05%)

STATION: VENF1

## 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          | 0.3  | 0.1            | *     | -     | *     | *     | *     | *     | *     | -     | *     | *     | *     | 0.5   | 75    |
| 1 - 3      |      | 1.0            | 1.4   | 1.3   | 1.0   | 1.0   | 0.6   | 0.5   | 0.4   | 0.4   | 0.4   | 0.5   | 0.6   | 9.3   | 1443  |
| 4 - 6      |      | 2.6            | 4.4   | 7.3   | 5.5   | 1.8   | 1.5   | 1.5   | 1.1   | 0.8   | 0.8   | 1.1   | 1.3   | 29.8  | 4648  |
| 7 - 10     |      | 3.8            | 5.6   | 6.6   | 4.4   | 2.1   | 3.8   | 2.1   | 0.8   | 0.7   | 0.9   | 1.3   | 2.1   | 34.3  | 5357  |
| 11 - 15    |      | 1.7            | 2.2   | 1.4   | 0.9   | 0.9   | 3.7   | 0.8   | 0.2   | 0.3   | 0.4   | 1.3   | 2.5   | 16.4  | 2550  |
| 16 - 20    |      | 0.4            | 0.1   | 0.1   | 0.1   | 0.1   | 1.3   | 0.2   | *     | 0.1   | 0.1   | 1.0   | 2.3   | 5.8   | 903   |
| 21 - 24    |      | 0.1            | *     | -     | *     | *     | 0.3   | *     | *     | *     | *     | 0.7   | 1.3   | 2.5   | 391   |
| 25 - 33    |      | *              | -     | -     | *     | *     | 0.1   | *     | -     | -     | 0.1   | 0.5   | 0.7   | 1.4   | 221   |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | *     | *     | 0.1   | 8     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 0.3  | 9.7            | 13.7  | 16.8  | 12.0  | 6.0   | 11.2  | 5.3   | 2.6   | 2.3   | 2.8   | 6.4   | 10.9  | 100.0 |       |
| TOTAL N    | 42   | 1518           | 2129  | 2617  | 1877  | 934   | 1749  | 821   | 408   | 354   | 442   | 998   | 1707  |       | 15596 |

(\* &lt; 0.05%)

STATION: VENF1

## 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          | 0.1  | *              | *     | *     | *     | *     | *     | *     | -     | -     | *     | *     | *     | 0.3   | 43    |
| 1 - 3      |      | 0.7            | 1.0   | 1.4   | 1.6   | 0.7   | 0.3   | 0.3   | 0.4   | 0.4   | 0.3   | 0.4   | 0.3   | 7.8   | 1232  |
| 4 - 6      |      | 1.6            | 2.6   | 5.9   | 6.0   | 2.1   | 0.6   | 0.8   | 1.1   | 1.3   | 1.8   | 1.3   | 0.7   | 25.7  | 4078  |
| 7 - 10     |      | 2.2            | 2.7   | 3.7   | 4.7   | 2.7   | 1.3   | 2.5   | 2.7   | 3.0   | 4.2   | 3.9   | 1.9   | 35.4  | 5603  |
| 11 - 15    |      | 1.0            | 0.9   | 0.9   | 1.2   | 1.2   | 1.6   | 2.8   | 1.5   | 1.1   | 1.6   | 4.3   | 2.7   | 21.0  | 3326  |
| 16 - 20    |      | 0.3            | 0.1   | 0.1   | 0.1   | 0.1   | 0.9   | 0.8   | 0.3   | 0.2   | 0.3   | 2.0   | 2.4   | 7.5   | 1186  |
| 21 - 24    |      | *              | *     | *     | *     | -     | 0.3   | 0.1   | -     | 0.1   | 0.1   | 0.5   | 0.7   | 1.8   | 282   |
| 25 - 33    |      | -              | -     | -     | -     | -     | 0.1   | *     | *     | *     | *     | 0.3   | 0.2   | 0.6   | 95    |
| 34 - 47    |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| > 48       |      | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %    | 0.1  | 5.8            | 7.3   | 12.0  | 13.6  | 6.9   | 5.0   | 7.3   | 6.0   | 6.0   | 8.4   | 12.7  | 8.9   | 100.0 |       |
| TOTAL N    | 21   | 921            | 1157  | 1907  | 2157  | 1088  | 797   | 1152  | 945   | 954   | 1324  | 2015  | 1407  |       | 15845 |

(\* &lt; 0.05%)

STATION: VENF1

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

Months: JUN, JUL, AUG (Summer)

| WIND SPEED<br>Ø | CALM<br>0.2 | 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 |       |       |
|                 |             | *              | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 0.6   | 94    |
| 1 - 3           |             | 0.5            | 1.3   | 2.3   | 2.8   | 1.3   | 0.4   | 0.3   | 0.5   | 0.5   | 0.5   | 0.5   | 0.3   | 11.1  | 1882  |
| 4 - 6           |             | 1.2            | 2.5   | 8.8   | 10.6  | 3.7   | 0.7   | 1.0   | 1.5   | 2.5   | 2.7   | 1.7   | 0.6   | 37.5  | 6326  |
| 7 - 10          |             | 0.7            | 1.0   | 3.2   | 4.3   | 2.7   | 0.9   | 1.6   | 2.8   | 4.0   | 5.5   | 4.6   | 1.7   | 33.1  | 5595  |
| 11 - 15         |             | 0.1            | 0.1   | 0.6   | 0.6   | 0.5   | 0.5   | 1.4   | 1.6   | 2.0   | 2.3   | 3.3   | 1.5   | 14.6  | 2468  |
| 16 - 20         |             | *              | *     | 0.1   | *     | *     | 0.2   | 0.3   | 0.3   | 0.4   | 0.3   | 0.4   | 0.3   | 2.3   | 390   |
| 21 - 24         |             | -              | *     | *     | -     | *     | 0.1   | 0.2   | 0.1   | *     | *     | 0.1   | *     | 0.5   | 89    |
| 25 - 33         |             | -              | -     | -     | -     | -     | 0.1   | 0.1   | 0.1   | *     | *     | *     | -     | 0.2   | 40    |
| 34 - 47         |             | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| > 48            |             | -              | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.0   | 0     |
| TOTAL %         | 0.2         | 2.6            | 5.0   | 15.1  | 18.4  | 8.3   | 2.9   | 4.8   | 7.0   | 9.5   | 11.3  | 10.5  | 4.4   | 100.0 |       |
| TOTAL N         | 40          | 435            | 837   | 2551  | 3110  | 1397  | 484   | 815   | 1183  | 1599  | 1913  | 1777  | 743   |       | 16884 |

(\* < 0.05%)

STATION: VENF1

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

Months: SEP, OCT, NOV (Autumn)

| WIND SPEED<br>Ø | CALM<br>0.2 | 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   | 42    |
| 1 - 3           |             | 0.6            | 1.3   | 1.7   | 1.5   | 0.8   | 0.3   | 0.2   | 0.3   | 0.3   | 0.2   | 0.3   | 0.2   | 7.7   | 1089  |
| 4 - 6           |             | 2.1            | 5.2   | 10.8  | 7.8   | 2.1   | 0.6   | 0.6   | 1.0   | 1.1   | 1.4   | 1.0   | 0.7   | 34.3  | 4851  |
| 7 - 10          |             | 2.9            | 6.7   | 7.8   | 5.8   | 2.3   | 1.1   | 1.6   | 1.3   | 1.4   | 1.8   | 2.5   | 1.4   | 36.6  | 5172  |
| 11 - 15         |             | 1.3            | 2.5   | 2.5   | 1.3   | 0.8   | 1.1   | 1.0   | 0.7   | 0.5   | 0.4   | 1.6   | 2.1   | 15.6  | 2207  |
| 16 - 20         |             | 0.3            | 0.2   | 0.3   | 0.2   | 0.1   | 0.5   | 0.3   | 0.3   | 0.2   | *     | 0.3   | 1.2   | 3.9   | 558   |
| 21 - 24         |             | *              | *     | *     | -     | *     | 0.1   | 0.3   | 0.1   | *     | *     | 0.1   | 0.3   | 1.0   | 145   |
| 25 - 33         |             | -              | *     | -     | -     | -     | 0.1   | 0.2   | *     | -     | *     | -     | 0.1   | 0.4   | 63    |
| 34 - 47         |             | -              | -     | -     | -     | -     | *     | *     | -     | -     | -     | *     | -     | 0.0   | 3     |
| > 48            |             | -              | -     | *     | -     | -     | -     | -     | -     | -     | -     | *     | *     | 0.0   | 3     |
| TOTAL %         | 0.2         | 7.2            | 15.9  | 23.0  | 16.5  | 6.1   | 3.7   | 4.3   | 3.7   | 3.5   | 4.0   | 5.8   | 6.1   | 100.0 |       |
| TOTAL N         | 26          | 1012           | 2252  | 3256  | 2332  | 862   | 525   | 607   | 519   | 488   | 568   | 826   | 860   |       | 14133 |

(\* < 0.05%)

Summary complete: 09-Sep-2003 00:05:48