Summary created: 09-Sep-2003 05:10:08

STATION: 46023

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (4/1982 - 12/2001) (147926 RECORDS, 98.4% 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | - | - | - | - | 1 | # |
| 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 | - | - | - | - | 1 | 999 |
| 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | # | 4 | 999 | - | - | - | - | 6 | 999 |
| 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 | 10 | 999 | - | - | - | - | 11 | 999 |
| 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 999 | 19 | 999 | 2 | # | - | - | 25 | 999 |
| 22 | - | - | - | - | - | - | 3 | # | - | - | - | - | - | - | - | - | 20 | 999 | 22 | 997 | 3 | 999 | - | - | 48 | 999 |
| 21 | - | - | 1 | # | - | - | 5 | 999 | - | - | - | - | 3 | # | 5 | # | 62 | 998 | 85 | 996 | 22 | 999 | - | - | 183 | 999 |
| 20 | 1 | # | 5 | 999 | - | - | 10 | 999 | - | - | - | - | 5 | 999 | 21 | 999 | 202 | 993 | 213 | 990 | 44 | 998 | - | - | 501 | 998 |
| 19 | 11 | 999 | 10 | 999 | - | - | 8 | 998 | - | - | - | - | 44 | 999 | 139 | 998 | 498 | 979 | 400 | 974 | 105 | 994 | 5 | # | 1220 | 995 |
| 18 | 35 | 999 | 33 | 999 | 3 | # | 16 | 998 | 8 | # | 44 | # | 230 | 996 | 986 | 988 | 1327 | 942 | 921 | 945 | 405 | 985 | 17 | 999 | 4025 | 987 |
| 17 | 85 | 996 | 72 | 995 | 15 | 999 | 34 | 996 | 36 | 999 | 137 | 997 | 699 | 980 | 1585 | 918 | 1734 | 844 | 1796 | 877 | 1216 | 950 | 160 | 998 | 7569 | 959 |
| 16 | 395 | 989 | 320 | 989 | 144 | 998 | 98 | 993 | 212 | 996 | 419 | 986 | 2011 | 930 | 2784 | 805 | 3210 | 716 | 3437 | 745 | 2080 | 847 | 715 | 984 | 15825 | 908 |
| 15 | 1147 | 955 | 1154 | 959 | 795 | 986 | 556 | 984 | 668 | 977 | 1712 | 955 | 3546 | 786 | 4039 | 607 | 3510 | 479 | 3597 | 493 | 2397 | 669 | 1868 | 923 | 24989 | 801 |
| 14 | 2669 | 857 | 2287 | 852 | 2707 | 918 | 1515 | 932 | 1864 | 917 | 3804 | 827 | 4724 | 532 | 3256 | 320 | 2413 | 220 | 2495 | 229 | 2668 | 465 | 3090 | 763 | 33492 | 632 |
| 13 | 3441 | 628 | 2901 | 641 | 3233 | 685 | 3046 | 791 | 3374 | 750 | 4465 | 541 | 2382 | 194 | 1162 | 88 | 546 | 42 | 576 | 45 | 2008 | 237 | 2885 | 499 | 30019 | 406 |
| 12 | 2237 | 333 | 1991 | 372 | 2424 | 406 | 2844 | 508 | 2806 | 448 | 1957 | 206 | 315 | 24 | 82 | 6 | 22 | 2 | 41 | 3 | 566 | 66 | 1702 | 252 | 16987 | 203 |
| 11 | 1255 | 141 | 1337 | 188 | 1728 | 198 | 1944 | 243 | 1789 | 197 | 720 | 59 | 15 | 1 | - | - | - | - | - | - | 180 | 17 | 798 | 106 | 9766 | 88 |
| 10 | 314 | 34 | 461 | 64 | 457 | 49 | 578 | 62 | 354 | 36 | 71 | 5 | - | - | - | - | - | - | - | - | 19 | 2 | 219 | 37 | 2473 | 22 |
| 9 | 63 | 7 | 148 | 21 | 70 | 10 | 77 | 8 | 40 | 5 | - | - | - | - | - | - | - | - | - | - | 3 | * | 92 | 19 | 493 | 5 |
| 8 | 15 | 1 | 49 | 7 | 36 | 4 | 13 | 1 | 13 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | * | 45 | 11 | 172 | 2 |
| 7 | 2 | * | 25 | 3 | 5 | * | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 41 | 7 | 74 | 1 |
| 6 | - | - | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 20 | 3 | 26 | * |
| 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19 | 2 | 19 | * |
| 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * | 1 | * |
| MEAN | 13.0 | | 12.9 | | 12.7 | | 12.4 | | 12.6 | | 13.4 | | 14.5 | | 15.2 | | 15.7 | | 15.7 | | 14.7 | | 13.3 | | 13.9 | |
| S.D. | 1.4 | | 1.6 | | 1.4 | | 1.4 | | 1.3 | | 1.2 | | 1.2 | | 1.4 | | 1.6 | | 1.6 | | 1.7 | | 1.6 | | 1.9 | |
| TOTAL | 11670 | | 10800 | | 11617 | | 10748 | | 11164 | | 13329 | | 13974 | | 14059 | | 13551 | | 13618 | | 11719 | | 11677 | | 147926 | |
| MAX | 19.7 | | 20.5 | | 18.0 | | 22.1 | | 18.0 | | 18.3 | | 21.2 | | 21.3 | | 25.0 | | 27.3 | | 23.0 | | 19.2 | | 27.3 | |
| DATE | 1986011121 | | 1996021222 | | 1996030723 | | 1989040719 | | 1992051100 | | 1992063000 | | 1983071121 | | 1997081919 | | 1984091021 | | 1987100423 | | 1997110223 | | 1989120717 | | 1987100423 | |
| MIN | 7.2 | | 5.8 | | 6.7 | | 7.4 | | 7.8 | | 9.9 | | 10.8 | | 11.7 | | 11.6 | | 11.5 | | 8.2 | | 4.4 | | 4.4 | |
| DATE | 1987011619 | | 1989020515 | | 1999031513 | | 1999040907 | | 1988050513 | | 1991060509 | | 1986070115 | | 1999082411 | | 1988090714 | | 2000101615 | | 1985111209 | | 1990122206 | | 1990122206 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (4/1982 - 12/2001) (148920 RECORDS, 99.1% 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 |
| 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | # |
| 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | # | - | - | - | - | - | - | 2 | # |
| 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 26 | 999 | 3 | # | - | - | - | - | 29 | 999 |
| 21 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 76 | 998 | 17 | 999 | 7 | # | - | - | 100 | 999 |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | 10 | # | 225 | # | 359 | 992 | 276 | 999 | 85 | 999 | - | - | 955 | 999 |
| 19 | - | - | - | - | - | - | - | - | - | - | 3 | # | 157 | 999 | 600 | 984 | 956 | 966 | 300 | 978 | 116 | 992 | - | - | 2132 | 993 |
| 18 | - | - | - | - | - | - | - | - | 4 | # | 53 | 999 | 795 | 988 | 1481 | 941 | 1567 | 895 | 1550 | 956 | 940 | 982 | - | - | 6390 | 978 |
| 17 | 2 | # | - | - | 1 | # | 5 | # | 29 | 999 | 514 | 996 | 1653 | 931 | 2068 | 836 | 2144 | 780 | 2720 | 842 | 1670 | 902 | 350 | # | 11156 | 935 |
| 16 | 956 | 999 | 398 | # | 206 | 999 | 62 | 999 | 308 | 997 | 990 | 957 | 2519 | 813 | 2615 | 689 | 3879 | 621 | 4290 | 642 | 2668 | 760 | 1623 | 970 | 20514 | 861 |
| 15 | 1267 | 918 | 1426 | 963 | 1612 | 982 | 595 | 994 | 1155 | 970 | 1912 | 883 | 3643 | 632 | 3539 | 503 | 2929 | 335 | 3227 | 327 | 2920 | 532 | 2384 | 831 | 26609 | 723 |
| 14 | 4272 | 809 | 3428 | 830 | 3539 | 845 | 2315 | 942 | 1804 | 870 | 2873 | 739 | 3157 | 372 | 2681 | 252 | 1124 | 119 | 1092 | 90 | 2224 | 284 | 3568 | 627 | 32077 | 544 |
| 13 | 4109 | 443 | 3530 | 509 | 3431 | 543 | 3752 | 739 | 2588 | 713 | 3843 | 523 | 1784 | 145 | 828 | 62 | 448 | 36 | 127 | 9 | 855 | 94 | 2856 | 321 | 28151 | 329 |
| 12 | 796 | 91 | 1396 | 180 | 2373 | 250 | 2582 | 410 | 2714 | 488 | 2329 | 235 | 244 | 18 | 38 | 3 | 35 | 3 | 1 | * | 240 | 21 | 827 | 77 | 13575 | 140 |
| 11 | 272 | 23 | 526 | 49 | 552 | 47 | 2043 | 184 | 2480 | 252 | 796 | 60 | 3 | * | - | - | - | - | - | - | 8 | 1 | 70 | 6 | 6750 | 49 |
| 10 | - | - | - | - | 1 | * | 53 | 5 | 424 | 37 | 2 | * | - | - | - | - | - | - | - | - | - | - | - | - | 480 | 3 |
| 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| MEAN | 13.7 | | 13.4 | | 13.3 | | 12.7 | | 12.6 | | 13.5 | | 15.1 | | 15.7 | | 16.2 | | 16.1 | | 15.4 | | 14.1 | | 14.4 | |
| S.D. | 1.1 | | 1.1 | | 1.1 | | 1.1 | | 1.4 | | 1.5 | | 1.5 | | 1.6 | | 1.6 | | 1.3 | | 1.5 | | 1.2 | | 1.9 | |
| TOTAL | 11674 | | 10704 | | 11715 | | 11407 | | 11506 | | 13315 | | 13965 | | 14075 | | 13545 | | 13603 | | 11733 | | 11678 | | 148920 | |
| MAX | 16.9 | | 16.4 | | 16.6 | | 17.3 | | 18.1 | | 19.1 | | 19.8 | | 20.4 | | 23.4 | | 22.0 | | 20.7 | | 17.3 | | 23.4 | |
| DATE | 1983011423 | | 1995022823 | | 1996030722 | | 1996041500 | | 1984052823 | | 2001062800 | | 1993072503 | | 1997081622 | | 1984091022 | | 1983100522 | | 1997110321 | | 1997120223 | | 1984091022 | |
| MIN | 11.0 | | 10.9 | | 10.4 | | 9.6 | | 9.8 | | 10.4 | | 11.3 | | 11.9 | | 12.1 | | 12.4 | | 11.3 | | 11.0 | | 9.6 | |
| DATE | 1996013019 | | 2001020817 | | 1985032414 | | 1995041913 | | 1999051714 | | 1988060411 | | 1992072213 | | 1986083012 | | 1999090103 | | 1988101116 | | 1988112416 | | 2001121808 | | 1995041913 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (4/1982 - 12/2001) (147655 RECORDS, 98.3% 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 |
| 9 | - | - | - | - | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # |
| 8 | - | - | - | - | - | - | 7 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 999 |
| 7 | - | - | - | - | - | - | 9 | 999 | - | - | - | - | - | - | - | - | - | - | 4 | # | - | - | - | - | 13 | 999 |
| 6 | - | - | 3 | # | - | - | 4 | 998 | 1 | # | - | - | - | - | - | - | - | - | 5 | 999 | - | - | - | - | 13 | 999 |
| 5 | 4 | # | 16 | 999 | - | - | 16 | 998 | - | - | - | - | 1 | # | - | - | 3 | # | 11 | 999 | 3 | # | 4 | # | 58 | 999 |
| 4 | 13 | 999 | 35 | 998 | - | - | 34 | 997 | 7 | 999 | 1 | # | 5 | 999 | 2 | # | 7 | 999 | 28 | 999 | 17 | 999 | 9 | 999 | 158 | 999 |
| 3 | 58 | 999 | 118 | 995 | 21 | # | 80 | 993 | 20 | 999 | 50 | 999 | 50 | 999 | 15 | 999 | 34 | 999 | 134 | 996 | 76 | 998 | 57 | 999 | 713 | 998 |
| 2 | 334 | 994 | 318 | 984 | 172 | 998 | 379 | 986 | 280 | 997 | 778 | 996 | 473 | 996 | 288 | 999 | 390 | 997 | 504 | 987 | 257 | 992 | 279 | 994 | 4452 | 993 |
| 1 | 1311 | 965 | 1075 | 954 | 1126 | 983 | 2011 | 951 | 2666 | 972 | 2730 | 938 | 1899 | 962 | 1916 | 978 | 1793 | 968 | 1982 | 950 | 1346 | 970 | 1268 | 970 | 21123 | 963 |
| 0 | 3229 | 852 | 3247 | 854 | 4006 | 886 | 3863 | 763 | 4946 | 734 | 4556 | 733 | 3916 | 826 | 4832 | 842 | 4718 | 836 | 4178 | 804 | 3631 | 855 | 3373 | 861 | 48495 | 820 |
| -1 | 3989 | 575 | 3712 | 550 | 4502 | 541 | 3143 | 404 | 2623 | 290 | 3628 | 390 | 4727 | 545 | 4850 | 497 | 4211 | 487 | 4196 | 496 | 3641 | 545 | 3637 | 572 | 46859 | 492 |
| -2 | 2004 | 233 | 1671 | 203 | 1498 | 153 | 1016 | 111 | 532 | 55 | 1355 | 117 | 2432 | 206 | 1822 | 152 | 2083 | 176 | 2028 | 188 | 2036 | 234 | 2005 | 261 | 20482 | 174 |
| -3 | 555 | 61 | 362 | 47 | 200 | 24 | 158 | 16 | 78 | 8 | 198 | 16 | 407 | 31 | 298 | 22 | 281 | 22 | 486 | 39 | 549 | 60 | 636 | 89 | 4208 | 36 |
| -4 | 132 | 14 | 89 | 13 | 54 | 7 | 12 | 2 | 7 | 1 | 10 | 1 | 32 | 2 | 11 | 1 | 18 | 1 | 39 | 3 | 88 | 13 | 243 | 34 | 735 | 7 |
| -5 | 22 | 2 | 34 | 4 | 19 | 2 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | * | 52 | 6 | 92 | 14 | 227 | 2 |
| -6 | 7 | 1 | 12 | 1 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12 | 1 | 30 | 6 | 69 | 1 |
| -7 | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | * | 21 | 3 | 25 | * |
| -8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * | 12 | 1 | 13 | * |
| -9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | * | 4 | * |
| -10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| MEAN | -0.7 | | -0.6 | | -0.6 | | -0.2 | | -0.1 | | -0.2 | | -0.5 | | -0.5 | | -0.5 | | -0.4 | | -0.7 | | -0.8 | | -0.5 | |
| S.D. | 1.2 | | 1.2 | | 0.9 | | 1.1 | | 0.8 | | 1.0 | | 1.1 | | 0.9 | | 1.0 | | 1.2 | | 1.2 | | 1.3 | | 1.1 | |
| TOTAL | 11658 | | 10693 | | 11606 | | 10740 | | 11160 | | 13306 | | 13942 | | 14034 | | 13538 | | 13596 | | 11712 | | 11670 | | 147655 | |
| MAX | 5.0 | | 6.4 | | 3.4 | | 8.7 | | 5.5 | | 3.9 | | 4.7 | | 3.6 | | 5.4 | | 7.4 | | 5.1 | | 5.0 | | 8.7 | |
| DATE | 1986011121 | | 1995020208 | | 1988032508 | | 1989040719 | | 1993051002 | | 1987060617 | | 1985070500 | | 1991081319 | | 1984090920 | | 1987100419 | | 1989111909 | | 1989120717 | | 1989040719 | |
| MIN | -6.1 | | -6.6 | | -6.2 | | -5.2 | | -4.0 | | -3.8 | | -4.0 | | -3.9 | | -3.9 | | -4.5 | | -7.6 | | -9.2 | | -9.2 | |
| DATE | 1987011619 | | 1987022420 | | 1998032822 | | 1998040111 | | 1984052904 | | 1991061513 | | 1993071812 | | 1998080811 | | 2001090517 | | 2000101715 | | 1985111209 | | 1990122206 | | 1990122206 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (2/1989 - 12/2001) (65420 RECORDS, 43.5% 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 |
| 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | # | 5 | # | - | - | - | - | - | - | 8 | # |
| 18 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | # | 17 | 999 | 62 | 999 | 2 | # | 3 | # | - | - | 86 | 999 |
| 17 | - | - | - | - | - | - | - | - | 2 | # | 1 | # | 34 | 999 | 84 | 996 | 145 | 988 | 73 | 999 | 33 | 999 | - | - | 372 | 999 |
| 16 | - | - | - | - | - | - | - | - | 72 | 999 | 41 | 999 | 69 | 993 | 238 | 978 | 558 | 963 | 380 | 986 | 138 | 994 | - | - | 1496 | 993 |
| 15 | 36 | # | 22 | # | 26 | # | 15 | # | 173 | 986 | 146 | 993 | 131 | 978 | 461 | 926 | 803 | 866 | 500 | 914 | 277 | 969 | 31 | # | 2621 | 970 |
| 14 | 210 | 994 | 132 | 996 | 161 | 996 | 149 | 997 | 376 | 953 | 428 | 966 | 560 | 951 | 1070 | 827 | 1359 | 726 | 967 | 820 | 583 | 920 | 280 | 995 | 6275 | 930 |
| 13 | 514 | 957 | 326 | 970 | 544 | 968 | 388 | 967 | 768 | 881 | 1127 | 890 | 1745 | 835 | 1960 | 597 | 1721 | 489 | 1392 | 638 | 875 | 816 | 413 | 954 | 11773 | 834 |
| 12 | 622 | 869 | 726 | 907 | 891 | 875 | 574 | 887 | 743 | 735 | 1515 | 689 | 1604 | 472 | 762 | 174 | 972 | 189 | 1242 | 375 | 1221 | 661 | 815 | 893 | 11687 | 654 |
| 11 | 1015 | 761 | 1021 | 766 | 954 | 724 | 999 | 770 | 742 | 593 | 1055 | 419 | 608 | 139 | 48 | 10 | 106 | 19 | 512 | 141 | 887 | 444 | 950 | 772 | 8897 | 475 |
| 10 | 1055 | 586 | 985 | 567 | 947 | 561 | 950 | 567 | 862 | 451 | 782 | 231 | 54 | 12 | - | - | 3 | 1 | 142 | 44 | 562 | 287 | 982 | 631 | 7324 | 339 |
| 9 | 726 | 403 | 559 | 376 | 716 | 400 | 656 | 373 | 663 | 287 | 390 | 91 | - | - | - | - | - | - | 54 | 18 | 326 | 187 | 768 | 485 | 4858 | 227 |
| 8 | 478 | 278 | 471 | 268 | 634 | 278 | 424 | 239 | 493 | 160 | 115 | 22 | - | - | - | - | 1 | * | 28 | 7 | 242 | 129 | 569 | 371 | 3455 | 153 |
| 7 | 356 | 195 | 360 | 176 | 387 | 170 | 269 | 153 | 299 | 66 | 7 | 1 | - | - | - | - | - | - | 10 | 2 | 211 | 86 | 505 | 286 | 2404 | 100 |
| 6 | 311 | 134 | 331 | 106 | 203 | 104 | 241 | 98 | 40 | 9 | - | - | - | - | - | - | - | - | - | - | 130 | 49 | 407 | 211 | 1663 | 64 |
| 5 | 176 | 80 | 109 | 42 | 172 | 69 | 147 | 49 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 80 | 26 | 288 | 151 | 979 | 38 |
| 4 | 121 | 50 | 46 | 21 | 126 | 40 | 64 | 19 | - | - | - | - | - | - | - | - | - | - | 1 | * | 36 | 11 | 219 | 108 | 613 | 23 |
| 3 | 62 | 29 | 23 | 12 | 64 | 19 | 26 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 20 | 5 | 165 | 76 | 360 | 14 |
| 2 | 54 | 18 | 17 | 7 | 16 | 8 | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 1 | 97 | 51 | 191 | 8 |
| 1 | 33 | 9 | 7 | 4 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | * | 59 | 37 | 105 | 5 |
| 0 | 9 | 3 | 4 | 3 | 7 | 4 | - | - | - | - | - | - | 6 | 1 | - | - | - | - | - | - | - | - | 47 | 28 | 73 | 4 |
| -1 | 7 | 2 | 2 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 36 | 21 | 49 | 3 |
| -2 | 2 | * | 1 | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 30 | 16 | 38 | 2 |
| -3 | - | - | 6 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 27 | 11 | 37 | 1 |
| -4 | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 20 | 7 | 21 | 1 |
| -5 | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13 | 4 | 14 | 1 |
| -6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 3 | 6 | * |
| -7 | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 2 | 7 | * |
| -8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 3 | * |
| -9 | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * | 2 | * |
| -10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| -11 | - | - | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * | 2 | * |
| -12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| -13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| -14 | - | - | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| MEAN | 9.6 | | 9.7 | | 9.7 | | 9.8 | | 10.8 | | 11.7 | | 12.6 | | 13.4 | | 13.7 | | 13.0 | | 11.4 | | 8.8 | | 11.1 | |
| S.D. | 2.7 | | 2.4 | | 2.6 | | 2.3 | | 2.2 | | 1.6 | | 1.2 | | 1.2 | | 1.4 | | 1.6 | | 2.5 | | 3.5 | | 2.8 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 5787 | 5149 | 5870 | 4903 | 5240 | 5607 | 4813 | 4643 | 5735 | 5303 | 5632 | 6738 | 65420 |
| MAX | 15.2 | 15.2 | 15.2 | 15.0 | 16.5 | 16.5 | 17.8 | 18.8 | 19.0 | 18.1 | 18.2 | 14.8 | 19.0 |
| DATE | 1993010708 | 1996020520 | 1995030510 | 1996040200 | 1993053002 | 2001060102 | 1992071301 | 1997081923 | 1997092821 | 1997101622 | 1997110319 | 1995121311 | 1997092821 |
| MIN | -1.6 | -3.6 | -13.7 | 2.2 | 4.8 | 6.7 | 0.0 | 10.7 | 8.3 | 3.6 | 1.2 | -10.5 | -13.7 |
| DATE | 2001011700 | 2001020820 | 1991031917 | 1999040403 | 1991050118 | 1999060308 | 2000072811 | 1999083102 | 1994091709 | 1997102508 | 1990112717 | 1990122220 | 1991031917 |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: AIR - DEW POINT TEMPERATURE (DEGREES C) -- POR: (2/1989 - 12/2001) (65386 RECORDS, 43.5% 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 |
| 26 | - | - | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # |
| 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 23 | - | - | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 21 | - | - | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | 1 | 999 |
| 19 | - | - | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 18 | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 | 2 | 999 |
| 17 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | 4 | 999 | 6 | 999 |
| 16 | 1 | # | 1 | 999 | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 | 4 | 999 |
| 15 | - | - | - | - | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | 1 | 999 | 11 | 999 | 15 | 999 |
| 14 | - | - | 2 | 999 | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 | 17 | 997 | 23 | 999 |
| 13 | 3 | 999 | 2 | 999 | 3 | 998 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 | 4 | 999 | 56 | 995 | 70 | 999 |
| 12 | 10 | 999 | 6 | 999 | 9 | 998 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 999 | 46 | 986 | 80 | 998 |
| 11 | 19 | 998 | 6 | 997 | 9 | 996 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 999 | 25 | 997 | 106 | 980 | 171 | 997 |
| 10 | 39 | 994 | 6 | 996 | 11 | 995 | - | - | - | - | - | - | - | - | - | - | - | - | 14 | 998 | 48 | 993 | 138 | 964 | 256 | 994 |
| 9 | 80 | 988 | 11 | 995 | 18 | 993 | - | - | - | - | - | - | - | - | - | - | - | - | 18 | 996 | 88 | 984 | 198 | 943 | 413 | 990 |
| 8 | 140 | 974 | 46 | 993 | 58 | 990 | 5 | # | - | - | - | - | - | - | - | - | 1 | # | 26 | 992 | 118 | 968 | 301 | 914 | 695 | 984 |
| 7 | 248 | 950 | 127 | 984 | 124 | 980 | 47 | 999 | - | - | - | - | - | - | - | - | - | - | 55 | 987 | 190 | 947 | 473 | 869 | 1264 | 973 |
| 6 | 328 | 907 | 289 | 959 | 237 | 959 | 183 | 989 | 13 | # | 2 | # | 4 | # | - | - | - | - | 111 | 977 | 368 | 914 | 654 | 799 | 2189 | 954 |
| 5 | 544 | 850 | 519 | 903 | 434 | 919 | 333 | 952 | 105 | 998 | 22 | 999 | 21 | 999 | 7 | # | 42 | 999 | 182 | 956 | 540 | 848 | 788 | 702 | 3537 | 921 |
| 4 | 792 | 756 | 645 | 802 | 742 | 845 | 578 | 884 | 386 | 977 | 238 | 996 | 153 | 995 | 74 | 998 | 308 | 993 | 460 | 922 | 715 | 752 | 945 | 585 | 6036 | 866 |
| 3 | 986 | 619 | 860 | 677 | 1136 | 718 | 927 | 766 | 846 | 904 | 1050 | 953 | 959 | 963 | 440 | 983 | 909 | 939 | 1055 | 835 | 995 | 625 | 1025 | 445 | 11188 | 774 |
| 2 | 1393 | 449 | 1268 | 510 | 1315 | 525 | 1497 | 577 | 1754 | 742 | 1980 | 766 | 1880 | 763 | 1919 | 888 | 1900 | 780 | 1663 | 636 | 1364 | 448 | 1009 | 293 | 18942 | 603 |
| 1 | 853 | 208 | 1009 | 264 | 1216 | 301 | 979 | 272 | 1537 | 407 | 1756 | 413 | 1565 | 372 | 1848 | 474 | 1927 | 449 | 1282 | 322 | 938 | 205 | 722 | 143 | 15632 | 313 |
| 0 | 351 | 61 | 349 | 68 | 549 | 94 | 354 | 72 | 596 | 114 | 558 | 100 | 222 | 46 | 353 | 76 | 647 | 113 | 423 | 80 | 217 | 39 | 239 | 35 | 4858 | 74 |
| MEAN | 3.2 | | 2.8 | | 2.7 | | 2.4 | | 1.8 | | 1.7 | | 1.8 | | 1.5 | | 1.7 | | 2.3 | | 3.2 | | 4.3 | | 2.5 | |
| S.D. | 2.2 | | 1.9 | | 2.0 | | 1.5 | | 1.1 | | 1.0 | | 0.9 | | 0.8 | | 1.0 | | 1.6 | | 2.2 | | 2.8 | | 1.9 | |
| TOTAL | 5787 | | 5148 | | 5870 | | 4903 | | 5237 | | 5606 | | 4804 | | 4641 | | 5734 | | 5298 | | 5623 | | 6735 | | 65386 | |
| MAX | 15.7 | | 17.6 | | 25.5 | | 7.8 | | 6.2 | | 5.7 | | 6.4 | | 4.9 | | 7.8 | | 14.5 | | 17.3 | | 20.0 | | 25.5 | |
| DATE | 2001010400 | | 1996021213 | | 1991031917 | | 1999041620 | | 1991050118 | | 1998062118 | | 1992070101 | | 1997081118 | | 1994091709 | | 1997102508 | | 1989111909 | | 1999122321 | | 1991031917 | |
| 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 | 2001010613 | | 1999021807 | | 2001033116 | | 2001042610 | | 2001053123 | | 2001061719 | | 2000073015 | | 2001082418 | | 2001090217 | | 2001101516 | | 1999111217 | | 2001123122 | | 2001123122 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (4/1982 - 12/2001) (149013 RECORDS, 99.2% 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 |
| 1033 | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # |
| 1032 | 4 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | # | 13 | 999 |
| 1031 | 14 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 22 | 999 | 36 | 999 |
| 1030 | 28 | 998 | 12 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 79 | 997 | 119 | 999 |
| 1029 | 42 | 996 | 23 | 999 | - | - | 5 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 80 | 991 | 150 | 999 |
| 1028 | 77 | 992 | 53 | 997 | - | - | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | 17 | # | 105 | 984 | 254 | 998 |
| 1027 | 124 | 986 | 103 | 992 | 17 | # | 8 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | 50 | 999 | 168 | 975 | 470 | 996 |
| 1026 | 243 | 975 | 107 | 982 | 52 | 999 | 19 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | 75 | 994 | 231 | 960 | 727 | 993 |
| 1025 | 422 | 954 | 190 | 972 | 93 | 994 | 42 | 997 | 2 | # | - | - | - | - | - | - | - | - | - | - | 173 | 988 | 458 | 941 | 1380 | 988 |
| 1024 | 653 | 918 | 383 | 955 | 198 | 986 | 70 | 993 | 9 | 999 | - | - | - | - | - | - | - | - | - | - | 289 | 973 | 779 | 901 | 2381 | 979 |
| 1023 | 710 | 862 | 550 | 919 | 344 | 969 | 147 | 987 | 29 | 999 | 3 | # | - | - | - | - | - | - | 26 | # | 405 | 949 | 855 | 835 | 3069 | 963 |
| 1022 | 885 | 801 | 700 | 868 | 667 | 940 | 279 | 974 | 56 | 997 | 11 | 999 | 26 | # | - | - | - | - | 101 | 998 | 603 | 914 | 903 | 761 | 4231 | 942 |
| 1021 | 1082 | 726 | 974 | 804 | 799 | 883 | 445 | 950 | 137 | 992 | 44 | 999 | 51 | 998 | 6 | # | 17 | # | 234 | 991 | 797 | 863 | 978 | 684 | 5564 | 914 |
| 1020 | 1224 | 633 | 1186 | 713 | 1042 | 815 | 609 | 911 | 305 | 980 | 127 | 996 | 158 | 994 | 70 | 999 | 71 | 999 | 525 | 974 | 997 | 795 | 1060 | 600 | 7374 | 877 |
| 1019 | 1203 | 528 | 1076 | 604 | 1199 | 726 | 1012 | 857 | 661 | 953 | 246 | 986 | 405 | 983 | 249 | 995 | 175 | 994 | 846 | 935 | 1238 | 710 | 1253 | 510 | 9563 | 827 |
| 1018 | 1091 | 425 | 965 | 504 | 1212 | 623 | 1378 | 768 | 979 | 896 | 530 | 968 | 787 | 954 | 726 | 977 | 398 | 981 | 1202 | 873 | 1392 | 604 | 1040 | 402 | 11700 | 763 |
| 1017 | 887 | 332 | 784 | 415 | 1277 | 520 | 1759 | 647 | 1363 | 811 | 1184 | 928 | 1451 | 898 | 1411 | 925 | 742 | 951 | 1767 | 785 | 1509 | 486 | 911 | 313 | 15045 | 684 |
| 1016 | 733 | 256 | 704 | 342 | 1125 | 411 | 1622 | 493 | 1692 | 692 | 1837 | 839 | 2067 | 794 | 2115 | 825 | 1297 | 896 | 2147 | 655 | 1298 | 357 | 797 | 235 | 17434 | 583 |
| 1015 | 525 | 193 | 641 | 277 | 952 | 315 | 1328 | 350 | 1687 | 545 | 1900 | 701 | 2291 | 646 | 2276 | 675 | 1770 | 801 | 1685 | 497 | 892 | 247 | 536 | 167 | 16483 | 466 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1014 | 417 | 148 | 545 | 218 | 783 | 234 | 961 | 234 | 1573 | 398 | 2145 | 558 | 2261 | 482 | 2283 | 513 | 2042 | 670 | 1582 | 374 | 618 | 171 | 411 | 121 | 15621 | 356 |
| 1013 | 350 | 112 | 472 | 167 | 554 | 167 | 717 | 149 | 1584 | 262 | 1951 | 396 | 1923 | 320 | 2107 | 351 | 2216 | 519 | 1482 | 258 | 439 | 118 | 268 | 86 | 14063 | 251 |
| 1012 | 233 | 82 | 316 | 123 | 337 | 119 | 424 | 86 | 745 | 124 | 1345 | 250 | 1174 | 183 | 1302 | 201 | 1634 | 356 | 907 | 149 | 248 | 81 | 175 | 63 | 8840 | 157 |
| 1011 | 158 | 62 | 185 | 94 | 199 | 91 | 242 | 49 | 335 | 59 | 934 | 149 | 704 | 99 | 727 | 109 | 1290 | 235 | 496 | 82 | 196 | 60 | 140 | 48 | 5606 | 97 |
| 1010 | 124 | 49 | 136 | 77 | 176 | 74 | 126 | 28 | 168 | 30 | 578 | 78 | 460 | 48 | 432 | 57 | 928 | 140 | 289 | 46 | 167 | 43 | 193 | 36 | 3777 | 60 |
| 1009 | 130 | 38 | 107 | 64 | 197 | 59 | 70 | 17 | 91 | 15 | 249 | 35 | 150 | 15 | 162 | 26 | 466 | 72 | 144 | 25 | 122 | 29 | 77 | 19 | 1965 | 34 |
| 1008 | 73 | 27 | 79 | 54 | 145 | 42 | 49 | 11 | 36 | 8 | 130 | 16 | 58 | 5 | 120 | 15 | 211 | 37 | 74 | 14 | 58 | 18 | 27 | 13 | 1060 | 21 |
| 1007 | 77 | 21 | 117 | 47 | 80 | 29 | 23 | 6 | 26 | 4 | 58 | 6 | 8 | 1 | 48 | 6 | 155 | 22 | 67 | 9 | 54 | 13 | 25 | 10 | 738 | 14 |
| 1006 | 70 | 14 | 87 | 36 | 46 | 23 | 16 | 4 | 24 | 2 | 19 | 2 | - | - | 34 | 3 | 85 | 10 | 28 | 4 | 46 | 9 | 29 | 8 | 484 | 9 |
| 1005 | 35 | 8 | 83 | 28 | 36 | 19 | 19 | 3 | 1 | * | 4 | 1 | - | - | 6 | * | 41 | 4 | 21 | 2 | 22 | 5 | 26 | 6 | 294 | 6 |
| 1004 | 25 | 5 | 61 | 21 | 32 | 16 | 7 | 1 | - | - | 4 | * | - | - | - | - | 8 | 1 | - | - | 10 | 3 | 8 | 4 | 155 | 4 |
| 1003 | 12 | 3 | 59 | 15 | 24 | 13 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | * | - | - | 12 | 2 | 13 | 3 | 128 | 3 |
| 1002 | 13 | 2 | 23 | 9 | 17 | 11 | 4 | * | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 1 | 7 | 2 | 72 | 2 |
| 1001 | 3 | 1 | 7 | 7 | 9 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | * | 6 | 1 | 29 | 1 |
| 1000 | 3 | 1 | 7 | 7 | 12 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 1 | 28 | 1 |
| 999 | 1 | * | 5 | 6 | 10 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | * | 18 | 1 |
| 998 | 2 | * | 8 | 6 | 18 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 28 | 1 |
| 997 | - | - | 11 | 5 | 22 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 33 | 1 |
| 996 | - | - | 20 | 4 | 9 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 29 | 1 |
| 995 | - | - | 9 | 2 | 16 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 | * |
| 994 | - | - | 4 | 1 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11 | * |
| 993 | - | - | - | - | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | * |
| 992 | - | - | 4 | 1 | 2 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | * |
| 991 | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| 990 | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| 989 | - | - | 2 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | * |
| 988 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| MEAN | 1018.8 | | 1017.6 | | 1016.8 | | 1016.4 | | 1015.2 | | 1014.0 | | 1014.5 | | 1014.3 | | 1013.3 | | 1015.3 | | 1017.5 | | 1019.3 | | 1016.0 | |
| S.D. | 4.5 | | 5.0 | | 4.4 | | 3.1 | | 2.6 | | 2.5 | | 2.3 | | 2.3 | | 2.6 | | 2.8 | | 3.7 | | 4.4 | | 3.9 | |
| TOTAL | 11674 | | 10800 | | 11713 | | 11388 | | 11503 | | 13299 | | 13974 | | 14074 | | 13549 | | 13623 | | 11739 | | 11677 | | 149013 | |
| MAX | 1032.9 | | 1030.3 | | 1027.4 | | 1029.3 | | 1024.6 | | 1022.6 | | 1022.0 | | 1020.9 | | 1021.2 | | 1023.4 | | 1028.4 | | 1032.0 | | 1032.9 | |
| DATE | 1989010819 | | 1999021019 | | 1985033019 | | 1999040919 | | 1988050119 | | 1998061320 | | 1999072321 | | 1983082121 | | 1988092619 | | 2000101317 | | 1992112708 | | 1997121205 | | 1989010819 | |
| MIN | 997.8 | | 988.9 | | 992.4 | | 1002.0 | | 1005.4 | | 1004.0 | | 1007.0 | | 1005.2 | | 1003.1 | | 1004.6 | | 1000.6 | | 999.3 | | 988.9 | |
| DATE | 1983012904 | | 1998020312 | | 1983030313 | | 1983042013 | | 1998051304 | | 1997060703 | | 1984070702 | | 1995081002 | | 1984092201 | | 1994101511 | | 1982113015 | | 1997120613 | | 1998020312 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (4/1982 - 12/2001) (144145 RECORDS, 95.9% 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 |
| 49 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | # |
| 48 | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # |
| 47 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 46 | - | - | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 45 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 44 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 43 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 42 | - | - | 1 | 999 | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 41 | - | - | 4 | 999 | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 999 |
| 40 | - | - | 1 | 999 | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 999 |
| 39 | - | - | - | - | - | - | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 38 | - | - | 1 | 999 | 3 | 999 | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 999 |
| 37 | - | - | 1 | 999 | 3 | 999 | 6 | 999 | 2 | # | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | 13 | 999 |
| 36 | - | - | 3 | 999 | 3 | 999 | 9 | 999 | 8 | 999 | - | - | - | - | - | - | - | - | 2 | # | - | - | 2 | 999 | 27 | 999 |
| 35 | - | - | 9 | 998 | 7 | 999 | 13 | 998 | 4 | 999 | - | - | - | - | - | - | - | - | 3 | 999 | - | - | 6 | 999 | 42 | 999 |
| 34 | 1 | # | 10 | 997 | 6 | 998 | 20 | 997 | 13 | 999 | 1 | # | - | - | 2 | # | - | - | 1 | 999 | - | - | 2 | 999 | 56 | 999 |
| 33 | 3 | 999 | 17 | 997 | 22 | 998 | 50 | 995 | 29 | 998 | 7 | 999 | - | - | 2 | 999 | - | - | 1 | 999 | 3 | # | 11 | 999 | 145 | 999 |
| 32 | 8 | 999 | 18 | 995 | 19 | 996 | 43 | 991 | 40 | 995 | 13 | 999 | - | - | 1 | 999 | - | - | 4 | 999 | 5 | 999 | 12 | 998 | 163 | 998 |
| 31 | 10 | 999 | 18 | 993 | 37 | 994 | 71 | 987 | 45 | 991 | 35 | 998 | 3 | # | 5 | 999 | 1 | # | 12 | 999 | 21 | 999 | 20 | 997 | 278 | 997 |
| 30 | 14 | 998 | 29 | 992 | 59 | 991 | 82 | 981 | 62 | 987 | 34 | 996 | 10 | 999 | 11 | 999 | 3 | 999 | 16 | 998 | 21 | 997 | 23 | 995 | 364 | 995 |
| 29 | 24 | 997 | 43 | 989 | 87 | 986 | 134 | 974 | 84 | 981 | 49 | 993 | 22 | 999 | 10 | 998 | 10 | 999 | 41 | 997 | 38 | 996 | 43 | 993 | 585 | 992 |
| 28 | 50 | 995 | 65 | 985 | 90 | 979 | 157 | 962 | 105 | 974 | 89 | 990 | 26 | 997 | 21 | 998 | 18 | 999 | 64 | 994 | 66 | 992 | 51 | 989 | 802 | 988 |
| 27 | 48 | 990 | 82 | 979 | 150 | 971 | 195 | 948 | 157 | 964 | 120 | 983 | 48 | 996 | 24 | 996 | 40 | 998 | 91 | 989 | 101 | 986 | 68 | 985 | 1124 | 983 |
| 26 | 77 | 986 | 135 | 971 | 226 | 958 | 241 | 931 | 227 | 950 | 255 | 974 | 131 | 992 | 65 | 994 | 106 | 994 | 131 | 982 | 128 | 977 | 116 | 979 | 1838 | 975 |
| 25 | 113 | 978 | 152 | 958 | 268 | 939 | 277 | 909 | 277 | 929 | 277 | 955 | 176 | 983 | 133 | 989 | 130 | 986 | 168 | 972 | 147 | 966 | 142 | 968 | 2260 | 962 |
| 24 | 151 | 968 | 180 | 944 | 297 | 916 | 347 | 885 | 306 | 903 | 368 | 934 | 246 | 970 | 209 | 979 | 205 | 976 | 202 | 959 | 224 | 953 | 199 | 956 | 2934 | 946 |
| 23 | 214 | 954 | 232 | 927 | 382 | 891 | 441 | 854 | 465 | 875 | 534 | 906 | 323 | 952 | 354 | 964 | 275 | 960 | 255 | 943 | 223 | 933 | 275 | 938 | 3973 | 926 |
| 22 | 236 | 935 | 289 | 905 | 390 | 858 | 465 | 815 | 480 | 832 | 629 | 866 | 448 | 928 | 491 | 937 | 331 | 939 | 297 | 923 | 291 | 914 | 322 | 914 | 4669 | 899 |
| 21 | 304 | 913 | 337 | 878 | 528 | 825 | 542 | 774 | 545 | 788 | 692 | 819 | 598 | 896 | 632 | 901 | 403 | 913 | 403 | 900 | 415 | 888 | 347 | 885 | 5746 | 866 |
| 20 | 363 | 885 | 339 | 846 | 451 | 780 | 574 | 726 | 568 | 738 | 754 | 767 | 750 | 852 | 744 | 853 | 545 | 881 | 473 | 869 | 429 | 851 | 430 | 854 | 6420 | 826 |
| 19 | 527 | 852 | 528 | 814 | 705 | 741 | 712 | 675 | 689 | 686 | 827 | 710 | 985 | 798 | 1100 | 798 | 747 | 839 | 599 | 832 | 595 | 814 | 534 | 816 | 8548 | 782 |
| 18 | 501 | 804 | 522 | 765 | 638 | 681 | 617 | 612 | 554 | 623 | 676 | 648 | 875 | 726 | 883 | 715 | 713 | 781 | 575 | 785 | 490 | 761 | 464 | 768 | 7508 | 722 |
| 17 | 500 | 758 | 482 | 716 | 510 | 626 | 479 | 558 | 527 | 572 | 558 | 597 | 859 | 662 | 905 | 649 | 682 | 725 | 576 | 741 | 579 | 718 | 470 | 727 | 7127 | 670 |
| 16 | 548 | 712 | 587 | 670 | 554 | 583 | 560 | 515 | 576 | 524 | 551 | 555 | 837 | 600 | 876 | 581 | 717 | 672 | 567 | 696 | 556 | 667 | 483 | 685 | 7412 | 621 |
| 15 | 530 | 662 | 475 | 615 | 514 | 535 | 470 | 466 | 476 | 471 | 533 | 514 | 760 | 539 | 764 | 516 | 728 | 616 | 568 | 652 | 528 | 618 | 482 | 642 | 6828 | 569 |
| 14 | 561 | 614 | 564 | 571 | 616 | 491 | 501 | 424 | 502 | 427 | 543 | 474 | 770 | 484 | 778 | 458 | 740 | 559 | 625 | 608 | 495 | 571 | 445 | 599 | 7140 | 522 |
| 13 | 529 | 562 | 479 | 517 | 534 | 439 | 440 | 380 | 428 | 381 | 570 | 433 | 722 | 428 | 642 | 400 | 730 | 502 | 631 | 559 | 516 | 527 | 467 | 560 | 6688 | 473 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 606 | 514 | 595 | 472 | 703 | 393 | 567 | 341 | 543 | 342 | 673 | 390 | 680 | 375 | 771 | 352 | 784 | 445 | 815 | 510 | 627 | 482 | 534 | 518 | 7898 | 426 |
| 11 | 511 | 458 | 472 | 416 | 451 | 333 | 351 | 291 | 390 | 292 | 529 | 340 | 548 | 326 | 555 | 294 | 623 | 384 | 671 | 447 | 530 | 427 | 515 | 471 | 6146 | 371 |
| 10 | 484 | 412 | 550 | 372 | 495 | 294 | 404 | 260 | 407 | 256 | 525 | 300 | 522 | 286 | 538 | 253 | 575 | 335 | 661 | 395 | 529 | 380 | 487 | 425 | 6177 | 329 |
| 9 | 481 | 367 | 413 | 320 | 405 | 252 | 337 | 224 | 366 | 218 | 460 | 260 | 478 | 248 | 504 | 213 | 530 | 290 | 618 | 344 | 519 | 333 | 449 | 382 | 5560 | 286 |
| 8 | 485 | 323 | 511 | 282 | 430 | 218 | 384 | 194 | 372 | 185 | 459 | 226 | 435 | 213 | 473 | 175 | 527 | 249 | 554 | 296 | 529 | 287 | 517 | 342 | 5676 | 247 |
| 7 | 461 | 279 | 424 | 233 | 397 | 181 | 313 | 160 | 309 | 151 | 490 | 191 | 418 | 182 | 395 | 139 | 482 | 208 | 606 | 253 | 482 | 241 | 545 | 296 | 5322 | 208 |
| 6 | 497 | 237 | 451 | 194 | 431 | 147 | 379 | 133 | 296 | 122 | 484 | 154 | 428 | 151 | 340 | 110 | 448 | 170 | 607 | 206 | 476 | 198 | 513 | 247 | 5350 | 171 |
| 5 | 578 | 191 | 494 | 151 | 389 | 110 | 307 | 99 | 336 | 95 | 513 | 118 | 466 | 120 | 339 | 84 | 523 | 135 | 679 | 158 | 518 | 156 | 639 | 202 | 5781 | 134 |
| 4 | 467 | 138 | 405 | 105 | 285 | 77 | 276 | 72 | 242 | 64 | 344 | 80 | 383 | 86 | 233 | 59 | 354 | 94 | 463 | 106 | 426 | 110 | 529 | 145 | 4407 | 94 |
| 3 | 358 | 96 | 284 | 67 | 247 | 52 | 181 | 47 | 187 | 42 | 314 | 54 | 340 | 58 | 205 | 41 | 322 | 67 | 409 | 70 | 319 | 73 | 478 | 98 | 3644 | 63 |
| 2 | 314 | 63 | 251 | 40 | 176 | 31 | 186 | 31 | 133 | 25 | 203 | 30 | 244 | 34 | 174 | 26 | 258 | 42 | 259 | 38 | 264 | 45 | 305 | 55 | 2767 | 38 |
| 1 | 194 | 34 | 102 | 16 | 115 | 16 | 99 | 15 | 75 | 13 | 124 | 15 | 162 | 16 | 102 | 13 | 143 | 22 | 144 | 18 | 122 | 21 | 174 | 28 | 1556 | 19 |
| 0 | 179 | 16 | 72 | 7 | 76 | 6 | 70 | 6 | 63 | 6 | 73 | 5 | 56 | 4 | 73 | 5 | 135 | 11 | 86 | 7 | 121 | 11 | 143 | 13 | 1147 | 8 |
| MEAN | | 12.3 | | 13.3 | | 14.7 | | 15.7 | | 15.6 | | 14.7 | | 14.1 | | 14.5 | | 13.2 | | 12.7 | | 13.1 | | 12.5 | | 13.8 |
| S.D. | | 6.6 | | 6.9 | | 7.0 | | 7.4 | | 7.0 | | 6.9 | | 6.2 | | 5.8 | | 6.2 | | 6.5 | | 6.7 | | 7.0 | | 6.8 |
| TOTAL | | 10927 | | 10634 | | 11702 | | 11304 | | 10888 | | 13306 | | 13749 | | 13354 | | 12828 | | 12877 | | 11333 | | 11243 | | 144145 |
| MAX | | 34.2 | | 48.4 | | 41.8 | | 40.6 | | 37.3 | | 34.4 | | 31.1 | | 34.2 | | 30.7 | | 35.6 | | 32.9 | | 37.3 | | 48.4 |
| DATE | | 1990012713 | | 1998020611 | | 2001030417 | | 1999040403 | | 1984051507 | | 1984061013 | | 1984072511 | | 1984083110 | | 2001092823 | | 1997100703 | | 1983112106 | | 2001122916 | | 1998020611 |
| 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 | | 2001010601 | | 1996021106 | | 2001032220 | | 2000041406 | | 2001052711 | | 2001062714 | | 2001072512 | | 2000082816 | | 2001093018 | | 2001103002 | | 2001110808 | | 1998121910 | | 2001110808 |

(* < 0.05% , # = 100.0%)

STATION: 46023

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: (4/1982 - 12/2001) (144014 RECORDS, 95.8% 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 |
| 63 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | # |
| 62 | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # |
| 61 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 60 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 59 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 58 | - | - | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 57 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 56 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 55 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 54 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 53 | - | - | 3 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 999 |
| 52 | - | - | 1 | 999 | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 51 | - | - | 1 | 999 | 1 | # | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 999 |
| 50 | - | - | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 49 | - | - | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 48 | - | - | 1 | 999 | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 47 | - | - | - | - | 2 | 999 | 6 | 999 | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 999 |
| 46 | - | - | 7 | 999 | 2 | 999 | 4 | 999 | 4 | 999 | - | - | - | - | - | - | - | - | - | - | 1 | # | 1 | # | 19 | 999 |
| 45 | - | - | 5 | 998 | 4 | 999 | 6 | 999 | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 | 17 | 999 |
| 44 | - | - | 5 | 998 | 7 | 999 | 10 | 998 | 11 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 999 | 36 | 999 |
| 43 | - | - | 5 | 997 | 7 | 998 | 15 | 997 | 8 | 998 | - | - | - | - | - | - | - | - | 2 | # | 1 | 999 | 4 | 999 | 42 | 999 |
| 42 | 6 | # | 14 | 997 | 6 | 998 | 13 | 996 | 12 | 998 | 5 | # | - | - | 1 | # | - | - | 5 | 999 | - | - | 2 | 999 | 64 | 999 |
| 41 | 2 | 999 | 13 | 995 | 14 | 997 | 23 | 995 | 19 | 997 | 1 | 999 | - | - | 4 | 999 | - | - | 1 | 999 | - | - | 8 | 999 | 85 | 999 |
| 40 | 5 | 999 | 20 | 994 | 25 | 996 | 45 | 993 | 25 | 995 | 15 | 999 | 1 | # | 5 | 999 | - | - | 1 | 999 | 9 | 999 | 13 | 998 | 164 | 998 |
| 39 | 11 | 999 | 16 | 992 | 20 | 994 | 49 | 989 | 32 | 993 | 25 | 998 | 3 | 999 | 3 | 999 | - | - | 5 | 999 | 11 | 999 | 6 | 997 | 181 | 997 |
| 38 | 18 | 998 | 25 | 991 | 30 | 992 | 53 | 985 | 40 | 990 | 16 | 997 | 2 | 999 | 2 | 999 | 1 | # | 8 | 999 | 16 | 998 | 24 | 997 | 235 | 996 |
| 37 | 12 | 996 | 34 | 988 | 37 | 990 | 69 | 980 | 57 | 986 | 33 | 995 | 7 | 999 | 8 | 999 | - | - | 10 | 998 | 23 | 997 | 19 | 994 | 309 | 994 |
| 36 | 19 | 995 | 32 | 985 | 70 | 986 | 88 | 974 | 51 | 981 | 36 | 993 | 11 | 999 | 12 | 998 | 5 | 999 | 23 | 998 | 17 | 995 | 31 | 993 | 395 | 992 |
| 35 | 24 | 993 | 52 | 982 | 75 | 980 | 119 | 966 | 86 | 976 | 42 | 990 | 22 | 998 | 9 | 997 | 7 | 999 | 38 | 996 | 48 | 993 | 46 | 990 | 568 | 989 |
| 34 | 33 | 991 | 49 | 977 | 97 | 974 | 151 | 955 | 100 | 968 | 82 | 987 | 33 | 997 | 11 | 997 | 22 | 999 | 59 | 993 | 54 | 989 | 42 | 986 | 733 | 985 |
| 33 | 59 | 988 | 94 | 973 | 155 | 966 | 163 | 942 | 166 | 959 | 111 | 981 | 53 | 994 | 31 | 996 | 35 | 997 | 82 | 988 | 96 | 984 | 59 | 982 | 1104 | 980 |
| 32 | 54 | 983 | 101 | 964 | 132 | 952 | 173 | 928 | 175 | 944 | 172 | 972 | 64 | 990 | 41 | 994 | 53 | 995 | 93 | 982 | 88 | 976 | 85 | 977 | 1231 | 972 |
| 31 | 79 | 978 | 98 | 954 | 195 | 941 | 207 | 912 | 216 | 928 | 229 | 960 | 126 | 986 | 72 | 990 | 88 | 990 | 111 | 975 | 104 | 968 | 95 | 969 | 1620 | 964 |
| 30 | 85 | 971 | 148 | 945 | 225 | 924 | 245 | 894 | 243 | 908 | 293 | 942 | 155 | 977 | 117 | 985 | 129 | 984 | 116 | 966 | 139 | 959 | 137 | 961 | 2032 | 953 |
| 29 | 148 | 963 | 160 | 931 | 317 | 905 | 324 | 872 | 310 | 885 | 327 | 920 | 245 | 965 | 192 | 976 | 169 | 973 | 195 | 957 | 185 | 946 | 185 | 949 | 2757 | 938 |
| 28 | 163 | 949 | 180 | 916 | 280 | 878 | 343 | 843 | 328 | 857 | 414 | 896 | 233 | 947 | 261 | 962 | 220 | 960 | 206 | 942 | 205 | 930 | 193 | 932 | 3026 | 919 |
| 27 | 204 | 934 | 222 | 899 | 346 | 854 | 366 | 813 | 415 | 827 | 479 | 865 | 364 | 930 | 370 | 942 | 271 | 943 | 258 | 926 | 215 | 912 | 251 | 915 | 3761 | 898 |
| 26 | 279 | 916 | 297 | 878 | 413 | 825 | 466 | 781 | 504 | 789 | 629 | 828 | 533 | 904 | 610 | 915 | 390 | 922 | 353 | 906 | 353 | 893 | 356 | 893 | 5183 | 872 |
| 25 | 263 | 890 | 266 | 850 | 409 | 789 | 501 | 739 | 463 | 742 | 621 | 781 | 546 | 865 | 544 | 869 | 372 | 892 | 342 | 878 | 305 | 862 | 306 | 861 | 4938 | 836 |
| 24 | 316 | 866 | 312 | 825 | 381 | 754 | 481 | 695 | 452 | 700 | 548 | 734 | 585 | 825 | 651 | 828 | 477 | 863 | 431 | 852 | 400 | 835 | 353 | 834 | 5387 | 802 |
| 23 | 365 | 837 | 376 | 796 | 491 | 722 | 516 | 652 | 439 | 658 | 509 | 693 | 709 | 783 | 718 | 779 | 536 | 825 | 392 | 818 | 385 | 800 | 357 | 802 | 5793 | 764 |
| 22 | 401 | 804 | 376 | 760 | 440 | 679 | 396 | 607 | 388 | 618 | 575 | 655 | 711 | 731 | 729 | 726 | 542 | 784 | 464 | 788 | 418 | 766 | 382 | 771 | 5822 | 724 |
| 21 | 422 | 767 | 484 | 725 | 520 | 642 | 454 | 571 | 477 | 582 | 508 | 612 | 676 | 679 | 705 | 671 | 564 | 741 | 479 | 752 | 468 | 729 | 411 | 737 | 6168 | 684 |
| 20 | 417 | 728 | 371 | 680 | 414 | 597 | 387 | 531 | 381 | 538 | 472 | 573 | 673 | 630 | 758 | 618 | 568 | 697 | 437 | 715 | 442 | 687 | 408 | 700 | 5728 | 641 |
| 19 | 529 | 690 | 560 | 645 | 553 | 562 | 509 | 497 | 511 | 503 | 533 | 538 | 806 | 581 | 820 | 561 | 670 | 653 | 582 | 681 | 531 | 648 | 452 | 664 | 7056 | 601 |
| 18 | 479 | 642 | 435 | 592 | 500 | 515 | 472 | 452 | 465 | 456 | 432 | 498 | 638 | 522 | 668 | 500 | 618 | 601 | 465 | 635 | 456 | 602 | 420 | 624 | 6048 | 552 |
| 17 | 441 | 598 | 382 | 551 | 422 | 472 | 324 | 410 | 353 | 414 | 446 | 465 | 643 | 476 | 613 | 450 | 609 | 553 | 508 | 599 | 409 | 561 | 378 | 586 | 5528 | 510 |
| 16 | 422 | 557 | 485 | 515 | 506 | 436 | 393 | 381 | 341 | 381 | 428 | 432 | 591 | 429 | 534 | 404 | 614 | 505 | 551 | 560 | 451 | 525 | 354 | 553 | 5670 | 472 |
| 15 | 440 | 519 | 368 | 469 | 438 | 392 | 343 | 346 | 346 | 350 | 449 | 400 | 498 | 386 | 546 | 364 | 589 | 457 | 538 | 517 | 417 | 485 | 368 | 521 | 5340 | 432 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 423 | 478 | 445 | 435 | 448 | 355 | 425 | 316 | 394 | 318 | 501 | 366 | 468 | 350 | 494 | 323 | 527 | 411 | 563 | 475 | 462 | 449 | 411 | 488 | 5561 | 395 |
| 13 | 413 | 440 | 388 | 393 | 405 | 316 | 304 | 278 | 347 | 282 | 449 | 328 | 466 | 316 | 504 | 286 | 537 | 370 | 640 | 432 | 481 | 408 | 419 | 452 | 5353 | 357 |
| 12 | 492 | 402 | 559 | 356 | 476 | 282 | 395 | 251 | 376 | 250 | 520 | 294 | 526 | 282 | 531 | 248 | 608 | 328 | 628 | 382 | 529 | 365 | 503 | 414 | 6143 | 320 |
| 11 | 411 | 357 | 386 | 304 | 366 | 241 | 250 | 216 | 317 | 215 | 414 | 255 | 441 | 244 | 425 | 208 | 429 | 281 | 512 | 333 | 451 | 319 | 413 | 370 | 4815 | 277 |
| 10 | 471 | 319 | 438 | 267 | 410 | 210 | 371 | 194 | 337 | 186 | 409 | 224 | 402 | 211 | 432 | 176 | 474 | 248 | 518 | 293 | 450 | 279 | 437 | 333 | 5149 | 244 |
| 9 | 400 | 276 | 362 | 226 | 326 | 175 | 269 | 161 | 289 | 155 | 416 | 193 | 348 | 182 | 358 | 144 | 414 | 211 | 494 | 253 | 441 | 239 | 482 | 294 | 4599 | 208 |
| 8 | 440 | 239 | 411 | 192 | 365 | 147 | 356 | 137 | 257 | 129 | 435 | 162 | 400 | 157 | 331 | 117 | 427 | 178 | 544 | 215 | 436 | 200 | 490 | 251 | 4892 | 176 |
| 7 | 419 | 199 | 360 | 153 | 302 | 115 | 235 | 106 | 264 | 105 | 408 | 129 | 348 | 128 | 276 | 92 | 387 | 145 | 515 | 172 | 404 | 162 | 476 | 208 | 4394 | 142 |
| 6 | 504 | 161 | 426 | 119 | 302 | 90 | 277 | 85 | 261 | 81 | 361 | 99 | 377 | 102 | 243 | 72 | 383 | 115 | 531 | 132 | 399 | 126 | 485 | 165 | 4549 | 111 |
| 5 | 441 | 114 | 337 | 79 | 251 | 64 | 232 | 60 | 247 | 57 | 369 | 71 | 372 | 75 | 247 | 53 | 412 | 85 | 478 | 91 | 407 | 91 | 564 | 122 | 4357 | 80 |
| 4 | 341 | 74 | 244 | 47 | 232 | 42 | 205 | 40 | 159 | 34 | 262 | 44 | 289 | 48 | 195 | 35 | 251 | 53 | 352 | 54 | 265 | 55 | 372 | 72 | 3167 | 50 |
| 3 | 213 | 43 | 128 | 24 | 130 | 22 | 117 | 22 | 103 | 20 | 172 | 24 | 197 | 27 | 132 | 20 | 210 | 33 | 193 | 27 | 169 | 31 | 210 | 39 | 1974 | 28 |
| 2 | 138 | 23 | 94 | 12 | 81 | 11 | 91 | 11 | 73 | 10 | 90 | 11 | 129 | 12 | 79 | 10 | 101 | 17 | 88 | 12 | 95 | 17 | 142 | 20 | 1201 | 14 |
| 1 | 69 | 11 | 22 | 4 | 36 | 4 | 29 | 3 | 17 | 3 | 37 | 4 | 31 | 3 | 38 | 4 | 79 | 9 | 43 | 5 | 60 | 8 | 55 | 7 | 516 | 5 |
| 0 | 47 | 4 | 16 | 2 | 14 | 1 | 8 | 1 | 21 | 2 | 20 | 2 | 11 | 1 | 22 | 2 | 36 | 3 | 19 | 1 | 32 | 3 | 29 | 3 | 275 | 2 |
| MEAN | | 15.3 | | 16.6 | | 18.2 | | 19.4 | | 19.2 | | 18.0 | | 17.2 | | 17.6 | | 16.1 | | 15.7 | | 16.2 | | 15.5 | | 17.1 |
| S.D. | | 7.9 | | 8.3 | | 8.4 | | 8.9 | | 8.6 | | 8.3 | | 7.4 | | 6.9 | | 7.3 | | 7.8 | | 8.0 | | 8.4 | | 8.1 |
| TOTAL | | 10918 | | 10621 | | 11681 | | 11281 | | 10882 | | 13293 | | 13733 | | 13342 | | 12824 | | 12873 | | 11328 | | 11238 | | 144014 |
| MAX | | 42.2 | | 62.4 | | 51.1 | | 51.7 | | 47.4 | | 42.4 | | 39.5 | | 42.0 | | 38.3 | | 43.0 | | 45.5 | | 46.3 | | 62.4 |
| DATE | | 1990012713 | | 1998020611 | | 2001030417 | | 1984042604 | | 1984051503 | | 1984061013 | | 1984072513 | | 1984083109 | | 2001092823 | | 1997100703 | | 1983112106 | | 1997120605 | | 1998020611 |
| 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 | | 1988012822 | | 1988022407 | | 2001032220 | | 2000041405 | | 2001052710 | | 2001062711 | | 2000071020 | | 1987082218 | | 1985090818 | | 2001103002 | | 1999111608 | | 1986121906 | | 2001103002 |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (12/1995 - 6/2001) (37525 RECORDS, 16.2% 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 |
| 68 | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # |
| 67 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 66 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 65 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 64 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 63 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 62 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 61 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 60 | - | - | 2 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 59 | - | - | 1 | 998 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 58 | - | - | 2 | 998 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 999 |
| 57 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 56 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 55 | - | - | 1 | 997 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 54 | - | - | 3 | 997 | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 999 |
| 53 | - | - | 2 | 996 | 1 | 999 | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 999 |
| 52 | - | - | 1 | 995 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 51 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 999 |
| 50 | - | - | 1 | 995 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 49 | - | - | 1 | 995 | 2 | 999 | 2 | 999 | - | - | 1 | # | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 999 |
| 48 | - | - | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 |
| 47 | - | - | 1 | 994 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | # | 4 | 999 |
| 46 | - | - | 6 | 994 | 3 | 999 | 1 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 999 | 11 | 999 |
| 45 | 2 | # | 2 | 992 | 4 | 998 | 5 | 998 | 1 | # | - | - | - | - | - | - | - | - | 3 | # | - | - | 3 | 999 | 20 | 999 |
| 44 | - | - | 5 | 992 | 6 | 997 | 6 | 997 | 1 | 999 | - | - | - | - | - | - | - | - | 1 | 999 | - | - | 2 | 998 | 21 | 998 |
| 43 | - | - | 3 | 990 | 2 | 995 | 7 | 995 | 2 | 999 | 1 | 999 | - | - | - | - | - | - | 1 | 999 | 1 | # | 3 | 997 | 20 | 998 |
| 42 | 1 | 999 | 8 | 989 | 7 | 994 | 7 | 993 | 7 | 999 | 1 | 999 | - | - | - | - | - | - | 3 | 998 | 1 | 999 | 4 | 996 | 39 | 997 |
| 41 | 2 | 999 | 6 | 987 | 5 | 992 | 15 | 991 | 10 | 996 | - | - | - | - | - | - | - | - | 1 | 997 | 1 | 999 | 5 | 995 | 45 | 996 |
| 40 | 1 | 999 | 11 | 985 | 14 | 991 | 19 | 986 | 10 | 993 | 2 | 999 | - | - | - | - | - | - | 6 | 997 | - | - | 7 | 993 | 70 | 995 |
| 39 | 5 | 998 | 11 | 982 | 13 | 987 | 20 | 980 | 18 | 989 | 5 | 999 | - | - | - | - | - | - | 5 | 995 | 1 | 999 | 9 | 991 | 87 | 993 |
| 38 | 5 | 997 | 14 | 979 | 29 | 984 | 30 | 974 | 24 | 983 | 5 | 997 | 3 | # | - | - | 1 | # | 5 | 993 | 5 | 999 | 14 | 988 | 135 | 991 |
| 37 | 5 | 996 | 22 | 974 | 22 | 976 | 26 | 964 | 22 | 975 | 5 | 996 | 2 | 999 | 2 | # | 2 | 999 | 7 | 991 | 10 | 997 | 10 | 983 | 135 | 987 |
| 36 | 10 | 994 | 19 | 968 | 30 | 969 | 43 | 956 | 25 | 967 | 9 | 995 | 8 | 998 | 1 | 999 | 5 | 999 | 16 | 989 | 7 | 993 | 8 | 980 | 181 | 984 |
| 35 | 18 | 991 | 19 | 962 | 46 | 961 | 42 | 943 | 54 | 959 | 20 | 992 | 12 | 995 | 3 | 999 | 7 | 997 | 15 | 984 | 14 | 991 | 11 | 977 | 261 | 979 |
| 34 | 19 | 986 | 20 | 956 | 53 | 948 | 57 | 930 | 41 | 940 | 46 | 987 | 14 | 991 | 4 | 998 | 14 | 995 | 20 | 978 | 25 | 986 | 18 | 973 | 331 | 972 |
| 33 | 23 | 981 | 38 | 951 | 73 | 933 | 73 | 912 | 74 | 926 | 66 | 974 | 22 | 986 | 13 | 997 | 15 | 990 | 39 | 972 | 25 | 977 | 26 | 967 | 487 | 963 |
| 32 | 27 | 975 | 44 | 939 | 82 | 913 | 81 | 889 | 90 | 901 | 54 | 956 | 21 | 978 | 17 | 992 | 16 | 985 | 38 | 958 | 28 | 968 | 36 | 958 | 534 | 950 |
| 31 | 35 | 967 | 52 | 926 | 89 | 890 | 74 | 864 | 74 | 870 | 84 | 941 | 50 | 970 | 32 | 986 | 31 | 979 | 42 | 945 | 36 | 958 | 42 | 946 | 641 | 936 |
| 30 | 56 | 957 | 68 | 911 | 98 | 866 | 102 | 841 | 112 | 844 | 94 | 918 | 27 | 952 | 41 | 976 | 34 | 968 | 40 | 931 | 35 | 945 | 47 | 932 | 754 | 919 |
| 29 | 51 | 942 | 45 | 890 | 103 | 838 | 104 | 809 | 97 | 806 | 100 | 893 | 58 | 942 | 57 | 962 | 44 | 956 | 60 | 917 | 43 | 933 | 55 | 916 | 817 | 899 |
| 28 | 51 | 928 | 81 | 877 | 107 | 810 | 112 | 776 | 97 | 772 | 128 | 866 | 59 | 920 | 60 | 943 | 44 | 941 | 47 | 896 | 60 | 917 | 64 | 897 | 910 | 877 |
| 27 | 82 | 913 | 83 | 853 | 120 | 780 | 104 | 741 | 105 | 739 | 120 | 831 | 73 | 899 | 95 | 922 | 42 | 925 | 55 | 880 | 65 | 896 | 74 | 876 | 1018 | 853 |
| 26 | 108 | 891 | 127 | 828 | 152 | 746 | 144 | 709 | 115 | 703 | 144 | 798 | 102 | 872 | 116 | 890 | 46 | 910 | 59 | 862 | 105 | 873 | 111 | 851 | 1329 | 825 |
| 25 | 116 | 861 | 96 | 790 | 117 | 704 | 122 | 664 | 86 | 663 | 124 | 759 | 89 | 834 | 119 | 851 | 54 | 894 | 83 | 841 | 111 | 836 | 111 | 813 | 1228 | 790 |
| 24 | 139 | 828 | 130 | 762 | 114 | 671 | 96 | 626 | 97 | 633 | 122 | 725 | 104 | 802 | 102 | 811 | 52 | 875 | 92 | 813 | 123 | 796 | 112 | 776 | 1283 | 757 |
| 23 | 130 | 790 | 129 | 723 | 137 | 640 | 94 | 596 | 65 | 600 | 122 | 692 | 113 | 763 | 145 | 776 | 64 | 857 | 77 | 781 | 119 | 752 | 110 | 738 | 1305 | 723 |
| 22 | 144 | 753 | 141 | 684 | 131 | 602 | 115 | 567 | 104 | 578 | 130 | 658 | 94 | 722 | 152 | 727 | 70 | 835 | 64 | 755 | 110 | 710 | 110 | 701 | 1365 | 688 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 155 | 713 | 142 | 642 | 117 | 565 | 115 | 531 | 90 | 542 | 113 | 623 | 126 | 687 | 160 | 676 | 92 | 810 | 86 | 733 | 114 | 671 | 92 | 663 | 1402 | 652 |
| 20 | 148 | 670 | 124 | 600 | 108 | 533 | 130 | 495 | 96 | 511 | 125 | 592 | 124 | 641 | 131 | 622 | 107 | 778 | 116 | 703 | 103 | 630 | 115 | 632 | 1427 | 615 |
| 19 | 217 | 629 | 153 | 563 | 142 | 503 | 135 | 454 | 113 | 478 | 130 | 558 | 156 | 596 | 142 | 577 | 164 | 740 | 155 | 664 | 117 | 594 | 150 | 593 | 1774 | 577 |
| 18 | 158 | 568 | 143 | 517 | 112 | 463 | 113 | 412 | 76 | 439 | 119 | 523 | 140 | 538 | 123 | 529 | 130 | 683 | 129 | 611 | 98 | 552 | 95 | 543 | 1436 | 529 |
| 17 | 163 | 524 | 119 | 475 | 132 | 432 | 113 | 377 | 64 | 413 | 134 | 490 | 107 | 487 | 141 | 488 | 150 | 637 | 139 | 566 | 95 | 517 | 93 | 510 | 1450 | 491 |
| 16 | 138 | 479 | 134 | 439 | 126 | 395 | 98 | 341 | 72 | 391 | 149 | 454 | 82 | 448 | 130 | 440 | 140 | 584 | 173 | 519 | 96 | 483 | 87 | 479 | 1425 | 452 |
| 15 | 113 | 441 | 106 | 399 | 122 | 360 | 98 | 311 | 76 | 366 | 124 | 413 | 89 | 418 | 140 | 396 | 115 | 535 | 150 | 459 | 112 | 449 | 80 | 450 | 1325 | 414 |
| 14 | 108 | 409 | 117 | 368 | 127 | 326 | 87 | 280 | 84 | 340 | 130 | 379 | 89 | 385 | 100 | 349 | 148 | 495 | 144 | 408 | 121 | 409 | 98 | 423 | 1353 | 379 |
| 13 | 137 | 379 | 130 | 333 | 124 | 291 | 84 | 253 | 68 | 311 | 137 | 344 | 108 | 352 | 153 | 315 | 132 | 443 | 137 | 359 | 119 | 366 | 115 | 389 | 1444 | 343 |
| 12 | 169 | 341 | 163 | 294 | 162 | 256 | 103 | 227 | 100 | 287 | 181 | 306 | 128 | 313 | 148 | 263 | 188 | 396 | 141 | 312 | 147 | 324 | 130 | 350 | 1760 | 305 |
| 11 | 177 | 294 | 149 | 246 | 126 | 211 | 81 | 195 | 93 | 253 | 134 | 257 | 105 | 266 | 112 | 213 | 125 | 330 | 111 | 263 | 121 | 272 | 121 | 306 | 1455 | 258 |
| 10 | 147 | 245 | 125 | 201 | 102 | 176 | 107 | 169 | 94 | 221 | 146 | 221 | 100 | 227 | 127 | 175 | 133 | 287 | 126 | 225 | 135 | 228 | 141 | 266 | 1483 | 219 |
| 9 | 168 | 204 | 114 | 164 | 102 | 148 | 94 | 136 | 117 | 189 | 132 | 181 | 106 | 190 | 86 | 132 | 145 | 240 | 121 | 182 | 117 | 180 | 143 | 218 | 1445 | 179 |
| 8 | 134 | 157 | 123 | 130 | 84 | 119 | 90 | 106 | 101 | 148 | 130 | 145 | 78 | 151 | 75 | 103 | 132 | 189 | 116 | 141 | 104 | 139 | 146 | 169 | 1313 | 141 |
| 7 | 165 | 120 | 108 | 93 | 95 | 96 | 95 | 78 | 90 | 114 | 144 | 109 | 109 | 123 | 65 | 78 | 131 | 143 | 107 | 101 | 101 | 102 | 132 | 120 | 1342 | 106 |
| 6 | 120 | 74 | 99 | 61 | 101 | 69 | 59 | 49 | 89 | 83 | 96 | 70 | 77 | 83 | 63 | 56 | 113 | 97 | 89 | 64 | 67 | 66 | 104 | 75 | 1077 | 70 |
| 5 | 99 | 40 | 63 | 32 | 83 | 41 | 56 | 30 | 71 | 52 | 87 | 44 | 80 | 54 | 72 | 34 | 97 | 57 | 58 | 34 | 68 | 42 | 83 | 40 | 917 | 41 |
| 4 | 35 | 13 | 28 | 13 | 40 | 18 | 22 | 13 | 53 | 28 | 50 | 20 | 35 | 25 | 24 | 10 | 40 | 23 | 24 | 14 | 32 | 18 | 22 | 12 | 405 | 17 |
| 3 | 7 | 3 | 10 | 4 | 21 | 7 | 13 | 6 | 18 | 9 | 19 | 7 | 23 | 12 | 4 | 2 | 20 | 9 | 14 | 5 | 13 | 6 | 11 | 5 | 173 | 6 |
| 2 | 4 | 1 | 4 | 1 | 4 | 1 | 6 | 2 | 8 | 3 | 4 | 1 | 10 | 4 | 2 | 1 | 5 | 2 | 2 | 1 | 4 | 2 | 3 | 1 | 56 | 2 |
| 1 | - | - | 1 | * | - | - | - | - | 1 | * | 1 | * | - | - | - | - | - | - | - | - | 1 | * | - | - | 4 | * |
| MEAN | 16.9 | | 18.6 | | 19.8 | | 20.8 | | 19.9 | | 18.2 | | 17.3 | | 17.7 | | 15.4 | | 17.1 | | 17.4 | | 17.5 | | 18.1 | |
| S.D. | 7.6 | | 8.9 | | 9.1 | | 9.2 | | 9.6 | | 8.4 | | 7.7 | | 6.9 | | 7.2 | | 7.9 | | 7.8 | | 8.4 | | 8.4 | |
| TOTAL | 3592 | | 3355 | | 3592 | | 3202 | | 2905 | | 3668 | | 2723 | | 2957 | | 2848 | | 2917 | | 2810 | | 2956 | | 37525 | |
| MAX | 45.1 | | 67.5 | | 54.2 | | 52.7 | | 44.9 | | 49.0 | | 38.3 | | 36.9 | | 37.9 | | 45.3 | | 43.4 | | 46.7 | | 67.5 | |
| DATE | 2001011020 | | 1998020308 | | 2001030417 | | 1999040402 | | 1999050901 | | 2001060320 | | 2000071922 | | 1999083104 | | 1998091823 | | 1997100702 | | 1997112615 | | 1997120603 | | 1998020308 | |
| MIN | 1.7 | | 1.2 | | 2.1 | | 1.9 | | 1.4 | | 1.2 | | 1.9 | | 1.7 | | 1.7 | | 1.9 | | 1.2 | | 2.1 | | 1.2 | |
| DATE | 1998010720 | | 1996021105 | | 1996030722 | | 1998040423 | | 2001053103 | | 2001062710 | | 1999070116 | | 1997081915 | | 1998092717 | | 1997101617 | | 1997112311 | | 1998121909 | | 2001062710 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (4/1982 - 12/2001) (143915 RECORDS, 95.8% 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 |
| 9.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | # |
| 8.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | # |
| 8.0 | - | - | 2 | # | 3 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | 2 | # | 8 | # |
| 7.5 | 4 | # | 3 | 999 | 3 | 999 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | 1 | 999 | 9 | 999 | 21 | 999 |
| 7.0 | 9 | 999 | 14 | 999 | 11 | 999 | - | - | - | - | 1 | # | - | - | - | - | - | - | 1 | 999 | 10 | 999 | 20 | 999 | 66 | 999 |
| 6.5 | 28 | 999 | 45 | 998 | 31 | 999 | 12 | # | - | - | - | - | - | - | - | - | - | - | 6 | 999 | 23 | 999 | 52 | 997 | 197 | 999 |
| 6.0 | 57 | 996 | 66 | 994 | 43 | 996 | 25 | 999 | 2 | # | - | - | - | - | - | - | - | - | 10 | 999 | 28 | 997 | 61 | 992 | 292 | 998 |
| 5.5 | 74 | 991 | 133 | 988 | 88 | 992 | 69 | 997 | 9 | 999 | - | - | - | - | - | - | 1 | # | 20 | 999 | 75 | 994 | 126 | 987 | 595 | 996 |
| 5.0 | 159 | 984 | 255 | 975 | 191 | 985 | 164 | 990 | 50 | 999 | 6 | 999 | - | - | - | - | 5 | 999 | 29 | 997 | 125 | 987 | 211 | 975 | 1195 | 992 |
| 4.5 | 339 | 970 | 402 | 952 | 450 | 968 | 336 | 975 | 124 | 994 | 33 | 999 | - | - | 1 | # | 19 | 999 | 128 | 995 | 246 | 975 | 401 | 956 | 2479 | 984 |
| 4.0 | 646 | 939 | 689 | 914 | 923 | 930 | 597 | 943 | 286 | 983 | 116 | 997 | 2 | # | 4 | 999 | 63 | 998 | 272 | 985 | 549 | 951 | 720 | 919 | 4867 | 966 |
| 3.5 | 1026 | 881 | 1090 | 849 | 1375 | 850 | 920 | 887 | 536 | 957 | 483 | 988 | 56 | 999 | 30 | 999 | 191 | 993 | 550 | 965 | 852 | 898 | 1158 | 853 | 8267 | 932 |
| 3.0 | 1693 | 788 | 1674 | 747 | 2024 | 732 | 1435 | 801 | 1080 | 908 | 1299 | 952 | 459 | 996 | 199 | 998 | 462 | 979 | 1120 | 923 | 1488 | 816 | 1675 | 746 | 14608 | 875 |
| 2.5 | 2277 | 635 | 2255 | 591 | 2238 | 558 | 1795 | 667 | 2205 | 810 | 2628 | 853 | 1777 | 963 | 1338 | 983 | 1454 | 945 | 2121 | 838 | 1927 | 672 | 1876 | 592 | 23891 | 774 |
| 2.0 | 2516 | 428 | 2243 | 379 | 2178 | 366 | 2393 | 498 | 3286 | 609 | 3524 | 654 | 4185 | 834 | 4424 | 888 | 3523 | 836 | 3443 | 678 | 2226 | 486 | 2070 | 419 | 36011 | 608 |
| 1.5 | 1698 | 201 | 1257 | 169 | 1464 | 179 | 1995 | 274 | 2433 | 310 | 3361 | 386 | 5303 | 531 | 5769 | 572 | 5556 | 574 | 3962 | 418 | 2068 | 271 | 1792 | 229 | 36658 | 357 |
| 1.0 | 477 | 47 | 546 | 52 | 564 | 53 | 909 | 87 | 955 | 89 | 1608 | 131 | 2024 | 148 | 2233 | 161 | 2106 | 160 | 1488 | 118 | 707 | 71 | 674 | 64 | 14291 | 103 |
| 0.5 | 40 | 4 | 7 | 1 | 52 | 4 | 19 | 2 | 20 | 2 | 119 | 9 | 15 | 1 | 17 | 1 | 37 | 3 | 73 | 6 | 29 | 3 | 21 | 2 | 449 | 3 |
| 0.0 | - | - | - | - | - | - | - | - | - | - | 2 | * | 2 | * | 4 | * | 4 | * | 3 | * | 2 | * | 3 | * | 20 | * |
| MEAN | 2.6 | | 2.7 | | 2.7 | | 2.4 | | 2.2 | | 2.0 | | 1.8 | | 1.7 | | 1.8 | | 2.0 | | 2.4 | | 2.6 | | 2.2 | |
| S.D. | 1.0 | | 1.1 | | 1.0 | | 1.0 | | 0.8 | | 0.7 | | 0.5 | | 0.4 | | 0.6 | | 0.8 | | 1.0 | | 1.1 | | 0.9 | |
| TOTAL | 11043 | | 10681 | | 11638 | | 10669 | | 10986 | | 13180 | | 13823 | | 14019 | | 13421 | | 13227 | | 10357 | | 10871 | | 143915 | |
| MAX | 7.7 | | 8.1 | | 8.0 | | 6.7 | | 5.9 | | 7.1 | | 3.8 | | 4.3 | | 5.5 | | 7.5 | | 8.0 | | 8.0 | | 8.1 | |
| DATE | 2001011122 | | 1998020314 | | 1986031612 | | 1984042508 | | 2001050219 | | 1997060702 | | 1998070203 | | 1984083110 | | 1997092722 | | 1999102823 | | 1991113000 | | 1982120112 | | 1998020314 | |
| MIN | 0.5 | | 0.6 | | 0.3 | | 0.5 | | 0.6 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | |
| DATE | 1991013120 | | 1991020104 | | 1984030612 | | 1982041007 | | 1983050518 | | 2000061411 | | 1999070207 | | 2001081720 | | 2000092509 | | 2001102712 | | 2001110909 | | 2000121722 | | 2001110909 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (4/1982 - 12/2001) (143914 RECORDS, 95.8% 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 |
| 17 | 2 | # | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | # | - | - | 2 | # | 5 | # |
| 16 | 16 | 999 | 8 | # | - | - | 6 | # | - | - | - | - | - | - | - | - | - | - | 2 | 999 | - | - | 12 | 999 | 44 | 999 |
| 15 | 70 | 998 | 13 | 999 | 6 | # | 4 | 999 | - | - | - | - | - | - | - | - | 8 | # | 4 | 999 | 9 | # | 47 | 999 | 161 | 999 |
| 14 | 161 | 992 | 56 | 998 | 21 | 999 | 3 | 999 | 2 | # | - | - | - | - | - | - | 12 | 999 | 10 | 999 | 23 | 999 | 125 | 994 | 413 | 999 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 334 | 977 | 165 | 993 | 99 | 998 | 18 | 999 | 5 | 999 | 1 | # | - | - | - | - | 7 | 999 | 37 | 999 | 126 | 997 | 415 | 983 | 1207 | 996 |
| 12 | 587 | 947 | 490 | 977 | 358 | 989 | 69 | 997 | 27 | 999 | 2 | 999 | - | - | 2 | # | 51 | 998 | 153 | 996 | 334 | 985 | 786 | 945 | 2859 | 987 |
| 11 | 919 | 894 | 964 | 931 | 630 | 958 | 200 | 991 | 84 | 997 | 25 | 999 | - | - | 9 | 999 | 111 | 994 | 359 | 984 | 671 | 952 | 1119 | 872 | 5091 | 967 |
| 10 | 1458 | 811 | 1470 | 841 | 1292 | 904 | 526 | 972 | 306 | 989 | 211 | 998 | 84 | # | 151 | 999 | 455 | 986 | 1009 | 957 | 1213 | 888 | 1673 | 769 | 9848 | 932 |
| 9 | 2311 | 679 | 2001 | 704 | 2044 | 793 | 1256 | 923 | 751 | 961 | 1059 | 982 | 660 | 994 | 664 | 988 | 1334 | 952 | 1917 | 881 | 1910 | 771 | 2111 | 616 | 18018 | 864 |
| 8 | 2309 | 470 | 2307 | 516 | 2631 | 618 | 2391 | 805 | 1923 | 893 | 2397 | 902 | 2041 | 946 | 1568 | 941 | 2086 | 853 | 2668 | 736 | 2379 | 586 | 1972 | 421 | 26672 | 738 |
| 7 | 1769 | 260 | 1791 | 300 | 2786 | 392 | 3037 | 581 | 3141 | 718 | 3659 | 720 | 3281 | 799 | 2975 | 829 | 2793 | 697 | 3330 | 534 | 2239 | 356 | 1477 | 240 | 32278 | 553 |
| 6 | 869 | 100 | 1107 | 132 | 1517 | 152 | 2229 | 296 | 3376 | 432 | 4099 | 442 | 5061 | 561 | 5363 | 617 | 3935 | 489 | 2743 | 283 | 1126 | 140 | 921 | 104 | 32346 | 329 |
| 5 | 229 | 22 | 301 | 29 | 233 | 22 | 818 | 87 | 1231 | 125 | 1459 | 131 | 2519 | 195 | 2947 | 234 | 2492 | 196 | 917 | 75 | 291 | 32 | 191 | 19 | 13628 | 104 |
| 4 | 9 | 1 | 7 | 1 | 21 | 2 | 104 | 10 | 140 | 13 | 252 | 20 | 175 | 13 | 334 | 24 | 133 | 10 | 74 | 6 | 22 | 3 | 17 | 2 | 1288 | 9 |
| 3 | - | - | - | - | - | - | 8 | 1 | - | - | 14 | 1 | - | - | 2 | * | - | - | - | - | 12 | 1 | - | - | 36 | * |
| 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| 0 | - | - | - | - | - | - | - | - | - | - | 2 | * | 2 | * | 4 | * | 4 | * | 3 | * | 2 | * | 3 | * | 20 | * |
| MEAN | 8.8 | | 8.5 | | 8.1 | | 7.3 | | 6.8 | | 6.7 | | 6.4 | | 6.3 | | 6.8 | | 7.5 | | 8.2 | | 9.0 | | 7.5 | |
| S.D. | 2.0 | | 1.8 | | 1.7 | | 1.5 | | 1.3 | | 1.2 | | 1.1 | | 1.2 | | 1.5 | | 1.6 | | 1.7 | | 2.0 | | 1.8 | |
| TOTAL | 11043 | | 10680 | | 11638 | | 10669 | | 10986 | | 13180 | | 13823 | | 14019 | | 13421 | | 13227 | | 10357 | | 10871 | | 143914 | |
| MAX | 16.5 | | 16.3 | | 15.3 | | 15.8 | | 13.7 | | 12.7 | | 10.3 | | 12.0 | | 15.4 | | 16.9 | | 15.2 | | 16.9 | | 16.9 | |
| DATE | 1986011308 | | 1984022814 | | 2000032120 | | 1987040220 | | 1986050204 | | 1985061404 | | 1987072201 | | 1987082122 | | 1991092520 | | 1999102821 | | 2001112202 | | 1985122321 | | 1999102821 | |
| MIN | 4.1 | | 4.2 | | 3.9 | | 2.8 | | 3.5 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | |
| DATE | 1983011615 | | 1991022710 | | 1986032413 | | 1983041515 | | 1983052912 | | 2000061411 | | 1999070207 | | 2001081720 | | 2000092509 | | 2001102712 | | 2001110909 | | 2000121722 | | 2001110909 | |

(* < 0.05% , # = 100.0%)

STATION: 46023

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (4/1982 - 12/2001) (143883 RECORDS, 95.7% 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 |
| 25 | 94 | # | 34 | # | 49 | # | 4 | # | 5 | # | 2 | # | - | - | - | - | 23 | # | 5 | # | 27 | # | 50 | # | 293 | # |
| 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 998 |
| 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 998 |
| 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 998 |
| 21 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 998 |
| 20 | 724 | 991 | 479 | 997 | 591 | 996 | 194 | 999 | 195 | 999 | 172 | 999 | 83 | # | 163 | # | 265 | 998 | 280 | 999 | 341 | 997 | 639 | 995 | 4126 | 998 |
| 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 969 |
| 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 969 |
| 17 | 2055 | 926 | 1976 | 952 | 1829 | 945 | 1090 | 981 | 824 | 982 | 875 | 987 | 850 | 994 | 982 | 988 | 1209 | 979 | 1320 | 978 | 1389 | 964 | 1994 | 937 | 16393 | 969 |
| 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 855 |
| 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 855 |
| 14 | 3513 | 740 | 3530 | 767 | 3298 | 788 | 2045 | 879 | 1238 | 907 | 916 | 920 | 860 | 932 | 1079 | 918 | 1652 | 888 | 2497 | 879 | 2808 | 830 | 3666 | 753 | 27102 | 855 |
| 13 | 2405 | 421 | 2344 | 436 | 2522 | 504 | 2071 | 688 | 1022 | 794 | 884 | 851 | 448 | 870 | 516 | 841 | 1357 | 765 | 2625 | 690 | 2547 | 559 | 2385 | 416 | 21126 | 667 |
| 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | 520 |
| 11 | 908 | 204 | 1031 | 217 | 1368 | 288 | 1584 | 493 | 1354 | 701 | 1534 | 784 | 1085 | 838 | 829 | 805 | 1710 | 664 | 1809 | 491 | 1396 | 313 | 894 | 197 | 15502 | 520 |
| 10 | 460 | 121 | 390 | 120 | 670 | 170 | 1259 | 345 | 1638 | 578 | 2295 | 667 | 2067 | 759 | 1683 | 745 | 1891 | 537 | 1418 | 355 | 661 | 179 | 501 | 114 | 14933 | 412 |
| 9 | 241 | 80 | 251 | 84 | 401 | 112 | 827 | 227 | 1403 | 429 | 2237 | 493 | 2380 | 610 | 1990 | 625 | 1335 | 396 | 1005 | 247 | 411 | 115 | 227 | 68 | 12708 | 309 |
| 8 | 324 | 58 | 260 | 60 | 492 | 78 | 804 | 149 | 1603 | 301 | 2751 | 323 | 3548 | 437 | 3314 | 483 | 1831 | 296 | 1072 | 171 | 414 | 75 | 228 | 47 | 16641 | 220 |
| 7 | 166 | 28 | 168 | 36 | 250 | 36 | 383 | 74 | 1056 | 155 | 871 | 115 | 1436 | 181 | 1923 | 247 | 1036 | 160 | 618 | 90 | 203 | 35 | 120 | 26 | 8230 | 105 |
| 6 | 102 | 13 | 166 | 20 | 123 | 14 | 305 | 38 | 507 | 59 | 458 | 48 | 737 | 77 | 1049 | 110 | 758 | 83 | 400 | 43 | 108 | 15 | 134 | 15 | 4847 | 47 |
| 5 | 42 | 4 | 46 | 5 | 38 | 4 | 85 | 9 | 114 | 12 | 139 | 14 | 264 | 23 | 434 | 35 | 288 | 26 | 158 | 13 | 33 | 5 | 27 | 3 | 1668 | 14 |
| 4 | 4 | * | 6 | 1 | 4 | * | 10 | 1 | 23 | 2 | 36 | 3 | 56 | 4 | 53 | 4 | 55 | 5 | 14 | 1 | 8 | 2 | 2 | * | 271 | 2 |
| 3 | - | - | - | - | - | - | 5 | 1 | - | - | 3 | * | - | - | - | - | 5 | 1 | - | - | 8 | 1 | - | - | 21 | * |
| 2 | - | - | - | - | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * | - | - | 2 | * |
| 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| 0 | - | - | - | - | - | - | - | - | - | - | 2 | * | 2 | * | 4 | * | 4 | * | 3 | * | 2 | * | 3 | * | 20 | * |
| MEAN | 13.9 | | 13.6 | | 13.3 | | 11.9 | | 10.6 | | 10.2 | | 9.6 | | 9.6 | | 10.8 | | 11.8 | | 13.0 | | 13.8 | | 11.7 | |
| S.D. | 3.1 | | 3.0 | | 3.1 | | 3.1 | | 3.2 | | 2.9 | | 2.9 | | 3.2 | | 3.4 | | 3.2 | | 2.9 | | 3.0 | | 3.5 | |
| TOTAL | 11038 | | 10681 | | 11635 | | 10667 | | 10982 | | 13175 | | 13816 | | 14019 | | 13419 | | 13224 | | 10357 | | 10870 | | 143883 | |
| MAX | 25.0 | | 25.0 | | 25.0 | | 25.0 | | 25.0 | | 25.0 | | 20.0 | | 20.0 | | 25.0 | | 25.0 | | 25.0 | | 25.0 | | 25.0 | |
| DATE | 2001011904 | | 2000021413 | | 2000032608 | | 1998043023 | | 1998050100 | | 1997061221 | | 2000073123 | | 2001081309 | | 1997092501 | | 1997100417 | | 2001110912 | | 2001122713 | | 2001122713 | |
| MIN | 4.3 | | 4.0 | | 4.0 | | 2.3 | | 3.6 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | |
| DATE | 1998010915 | | 1985021518 | | 1986032413 | | 1983041514 | | 1985051100 | | 2000061411 | | 1999070207 | | 2001081720 | | 2000092509 | | 2001102712 | | 2001110909 | | 2000121722 | | 2001110909 | |

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: 46023
(A) TOTAL STDMET RECORDS READ = 150270
(B) TOTAL CWIND RECORDS READ = 231477
(C) TOTAL RECORDS USED IN STATS = 381747

| | AIR TMP | SEA TMP | AIR-SEA | DEWPT | SLP | AVWS | PKGS-8M | PKGS-5S | SIGWVHT | AVWVPD | DWVPD | VSBY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (D) ELEMENT RECORDS AVAILABLE | 147926 | 148920 | 147655 | 65420 | 149013 | 144145 | 144014 | 37525 | 143915 | 143914 | 143883 | 0 |
| (E) ELEMENT OUT OF RANGE | 2344 | 1350 | 2615 | 84850 | 1257 | 6125 | 6256 | 193952 | 6355 | 6356 | 6387 | 150270 |

STATION: 46023 -- POR (4/1982 - 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1982 | MEAN | - | - | - | 12.7 | 12.6 | 13.5 | 13.7 | 14.8 | 16.6 | 16.7 | 16.2 | 14.4 | 14.6 |
| | MAXIMUM | - | - | - | 15.7 | 15.2 | 16.0 | 15.9 | 18.4 | 20.7 | 21.9 | 20.4 | 17.5 | 21.9 |
| | DAY-HR | - | - | - | 21-21 | 27-22 | 30-01 | 01-02 | 13-22 | 24-04 | 10-13 | 03-00 | 10-22 | OCT |
| | MINIMUM | - | - | - | 9.8 | 10.2 | 11.6 | 11.9 | 12.8 | 13.2 | 13.9 | 10.8 | 10.7 | 9.8 |
| | DAY-HR | - | - | - | 07-14 | 19-16 | 15-17 | 06-16 | 02-17 | 06-10 | 15-15 | 11-00 | 25-11 | APR |
| | # OBS | - | - | - | 574 | 741 | 720 | 742 | 741 | 718 | 744 | 720 | 742 | 6442 |
| 1983 | MEAN | 15.0 | 14.6 | 14.2 | 13.2 | 13.1 | 14.1 | 15.7 | 17.2 | 18.2 | 18.2 | 15.7 | 13.9 | 15.3 |
| | MAXIMUM | 19.0 | 16.0 | 16.8 | 15.6 | 14.7 | 15.8 | 21.2 | 20.0 | 22.9 | 25.1 | 19.0 | 16.4 | 25.1 |
| | DAY-HR | 12-22 | 27-10 | 01-06 | 29-20 | 05-22 | 28-23 | 11-21 | 06-22 | 12-21 | 26-16 | 03-23 | 02-00 | OCT |
| | MINIMUM | 11.6 | 11.9 | 11.7 | 10.3 | 11.5 | 12.3 | 14.1 | 14.3 | 16.1 | 15.3 | 10.1 | 10.8 | 10.1 |
| | DAY-HR | 20-15 | 24-10 | 25-12 | 12-11 | 19-16 | 06-12 | 05-10 | 01-10 | 05-13 | 22-01 | 21-11 | 21-14 | NOV |
| | # OBS | 741 | 672 | 743 | 641 | 739 | 708 | 741 | 744 | 718 | 741 | 695 | 617 | 8500 |
| 1984 | MEAN | 13.8 | 13.1 | 13.2 | 11.9 | 12.6 | 13.2 | 15.2 | 16.6 | 18.5 | 15.3 | 14.1 | 13.8 | 14.3 |
| | MAXIMUM | 17.4 | 15.9 | 15.7 | 15.6 | 16.7 | 14.9 | 18.0 | 20.7 | 25.0 | 17.9 | 17.7 | 16.4 | 25.0 |
| | DAY-HR | 02-23 | 26-23 | 19-23 | 15-00 | 27-20 | 30-01 | 18-22 | 18-20 | 10-21 | 02-22 | 01-18 | 07-21 | SEP |
| | MINIMUM | 11.4 | 10.0 | 10.6 | 9.5 | 10.2 | 11.8 | 12.5 | 13.6 | 15.3 | 12.3 | 11.0 | 10.7 | 9.5 |
| | DAY-HR | 30-17 | 17-14 | 31-14 | 27-16 | 01-17 | 25-14 | 02-14 | 06-15 | 03-12 | 19-16 | 26-15 | 03-10 | APR |
| | # OBS | 674 | 692 | 737 | 715 | 736 | 714 | 742 | 737 | 714 | 743 | 716 | 281 | 8201 |
| 1985 | MEAN | 12.5 | 12.1 | 11.6 | 11.9 | 12.2 | 13.8 | 14.7 | 15.0 | 16.1 | 15.5 | 13.3 | 13.1 | 13.5 |
| | MAXIMUM | 15.8 | 18.8 | 13.8 | 18.2 | 14.2 | 17.6 | 18.8 | 18.7 | 20.5 | 23.1 | 19.2 | 17.2 | 23.1 |
| | DAY-HR | 25-22 | 14-20 | 10-22 | 02-06 | 17-22 | 23-01 | 09-20 | 13-22 | 08-00 | 03-23 | 02-22 | 26-16 | OCT |
| | MINIMUM | 9.6 | 9.5 | 8.5 | 9.1 | 10.2 | 11.6 | 11.9 | 12.4 | 12.9 | 13.0 | 8.2 | 9.7 | 8.2 |
| | DAY-HR | 28-21 | 05-15 | 02-19 | 28-17 | 01-17 | 16-07 | 15-14 | 26-15 | 23-15 | 29-15 | 12-09 | 12-14 | NOV |
| | # OBS | 628 | 671 | 736 | 715 | 738 | 706 | 734 | 736 | 715 | 742 | 718 | 743 | 8582 |
| 1986 | MEAN | 14.0 | 13.3 | 13.4 | 12.7 | 12.2 | 13.4 | 14.3 | 13.8 | 14.9 | 15.5 | 15.5 | 14.6 | 14.0 |
| | MAXIMUM | 19.7 | 15.7 | 17.2 | 18.3 | 14.7 | 15.1 | 19.2 | 17.2 | 17.8 | 21.2 | 18.7 | 18.0 | 21.2 |
| | DAY-HR | 11-21 | 23-19 | 27-01 | 20-20 | 04-00 | 15-01 | 24-19 | 14-21 | 27-20 | 04-23 | 11-21 | 17-18 | OCT |
| | MINIMUM | 11.1 | 9.0 | 10.7 | 11.0 | 10.4 | 11.3 | 10.8 | 11.8 | 12.4 | 13.3 | 12.8 | 12.6 | 9.0 |
| | DAY-HR | 13-16 | 08-00 | 17-04 | 30-13 | 19-16 | 22-10 | 01-15 | 24-14 | 21-16 | 20-15 | 05-15 | 20-17 | FEB |
| | # OBS | 741 | 664 | 733 | 715 | 737 | 717 | 743 | 743 | 718 | 741 | 695 | 741 | 8688 |
| 1987 | MEAN | 12.6 | 13.0 | 12.4 | 12.5 | 13.5 | 13.2 | 14.5 | 15.2 | 15.5 | 16.8 | - | - | 13.7 |
| | MAXIMUM | 16.0 | 18.0 | 16.3 | 19.7 | 16.4 | 17.0 | 17.4 | 19.5 | 18.5 | 27.3 | - | - | 27.3 |
| | DAY-HR | 02-23 | 08-00 | 31-12 | 21-19 | 14-22 | 29-20 | 11-21 | 30-22 | 22-19 | 04-23 | - | - | OCT |
| | MINIMUM | 7.2 | 6.4 | 8.9 | 10.0 | 12.0 | 11.1 | 12.6 | 11.8 | 13.9 | 14.3 | - | - | 6.4 |
| | DAY-HR | 16-19 | 24-20 | 22-13 | 16-13 | 13-15 | 25-14 | 31-17 | 02-16 | 21-14 | 02-16 | - | - | FEB |
| | # OBS | 737 | 669 | 724 | 717 | 743 | 716 | 744 | 744 | 679 | 311 | - | - | 6784 |
| 1988 | MEAN | 12.1 | 13.2 | 12.9 | 13.6 | 11.8 | 13.1 | 14.8 | 15.9 | 14.8 | 14.9 | 13.9 | 12.3 | 13.8 |
| | MAXIMUM | 14.1 | 17.2 | 15.9 | 15.1 | 15.4 | 16.6 | 18.7 | 19.6 | 18.2 | 19.9 | 18.4 | 16.8 | 19.9 |
| | DAY-HR | 28-18 | 12-23 | 25-08 | 28-20 | 20-22 | 25-20 | 20-20 | 02-21 | 12-20 | 16-21 | 05-06 | 02-00 | OCT |
| | MINIMUM | 9.8 | 10.2 | 11.0 | 11.9 | 7.8 | 10.7 | 10.9 | 12.5 | 11.6 | 13.1 | 11.0 | 8.1 | 7.8 |
| | DAY-HR | 29-09 | 02-15 | 17-15 | 30-23 | 05-13 | 14-16 | 02-11 | 17-15 | 07-14 | 18-02 | 22-16 | 25-22 | MAY |
| | # OBS | 102 | 695 | 640 | 61 | 400 | 716 | 742 | 742 | 712 | 744 | 717 | 738 | 7009 |
| 1989 | MEAN | 11.4 | 10.7 | 11.9 | 13.6 | 12.6 | 13.5 | 13.9 | 14.6 | 14.3 | 15.6 | 15.5 | 14.8 | 13.5 |
| | MAXIMUM | 16.4 | 14.8 | 14.8 | 22.1 | 15.4 | 18.1 | 16.5 | 18.2 | 18.2 | 21.1 | 21.5 | 19.2 | 22.1 |
| | DAY-HR | 21-00 | 21-21 | 08-22 | 07-19 | 04-01 | 25-17 | 07-22 | 22-21 | 17-19 | 20-01 | 19-09 | 07-17 | APR |
| | MINIMUM | 7.9 | 5.8 | 9.6 | 9.4 | 9.9 | 10.0 | 11.8 | 12.5 | 12.5 | 13.3 | 12.3 | 10.7 | 5.8 |
| | DAY-HR | 08-14 | 05-15 | 01-14 | 25-23 | 31-16 | 01-15 | 17-17 | 15-16 | 18-14 | 18-17 | 12-09 | 09-12 | FEB |
| | # OBS | 742 | 669 | 740 | 720 | 737 | 699 | 729 | 738 | 717 | 743 | 715 | 739 | 8688 |
| 1990 | MEAN | 13.3 | 12.1 | - | - | 13.2 | 13.2 | 14.7 | 16.2 | 16.0 | 16.0 | 14.9 | 12.6 | 14.6 |
| | MAXIMUM | 16.6 | 12.9 | - | - | 14.5 | 16.0 | 17.9 | 18.3 | 19.4 | 20.6 | 20.0 | 17.7 | 20.6 |
| | DAY-HR | 25-08 | 02-23 | - | - | 30-23 | 09-00 | 17-02 | 27-01 | 23-00 | 09-22 | 10-20 | 09-21 | OCT |
| | MINIMUM | 8.8 | 10.9 | - | - | 12.2 | 10.9 | 12.3 | 14.2 | 13.6 | 13.2 | 11.4 | 4.4 | 4.4 |
| | DAY-HR | 17-14 | 01-20 | - | - | 27-12 | 19-15 | 01-00 | 18-17 | 16-19 | 26-15 | 27-08 | 22-06 | DEC |
| | # OBS | 744 | 60 | - | - | 126 | 713 | 737 | 743 | 715 | 742 | 717 | 740 | 6037 |
| 1991 | MEAN | 12.3 | 12.6 | 11.7 | 11.7 | 10.9 | 12.0 | 14.0 | 14.9 | 14.9 | 14.9 | 14.2 | 13.6 | 13.1 |
| | MAXIMUM | 15.1 | 16.5 | 14.9 | 14.1 | 12.5 | 15.8 | 17.3 | 19.3 | 17.5 | 18.0 | 16.4 | 17.2 | 19.3 |
| | DAY-HR | 17-21 | 14-23 | 08-22 | 03-21 | 07-23 | 30-19 | 06-21 | 13-19 | 07-00 | 23-00 | 26-17 | 15-22 | AUG |
| | MINIMUM | 9.9 | 10.3 | 8.0 | 9.5 | 9.1 | 9.9 | 12.1 | 12.8 | 12.6 | 12.9 | 11.4 | 11.3 | 8.0 |
| | DAY-HR | 09-17 | 21-18 | 15-17 | 14-12 | 05-15 | 05-09 | 04-15 | 24-16 | 01-17 | 13-09 | 30-16 | 08-14 | MAR |
| | # OBS | 742 | 672 | 743 | 719 | 744 | 719 | 741 | 740 | 719 | 743 | 715 | 741 | 8738 |
| 1992 | MEAN | 13.5 | 14.2 | 14.1 | 14.3 | 14.6 | 14.8 | 15.7 | 15.2 | 15.6 | 16.2 | 16.0 | 13.5 | 14.8 |
| | MAXIMUM | 16.5 | 18.0 | 16.0 | 16.0 | 18.0 | 18.3 | 20.1 | 19.0 | 18.8 | 20.6 | 19.9 | 16.5 | 20.6 |
| | DAY-HR | 20-00 | 27-22 | 27-01 | 13-01 | 11-00 | 30-00 | 13-23 | 25-19 | 26-13 | 23-14 | 04-08 | 10-21 | OCT |
| | MINIMUM | 10.5 | 11.5 | 11.3 | 12.3 | 12.6 | 11.8 | 13.3 | 12.6 | 13.6 | 13.3 | 12.6 | 9.6 | 9.6 |
| | DAY-HR | 06-01 | 15-14 | 07-17 | 28-13 | 03-12 | 20-15 | 31-15 | 02-17 | 22-16 | 10-17 | 23-14 | 19-11 | DEC |
| | # OBS | 740 | 689 | 737 | 719 | 742 | 716 | 741 | 738 | 714 | 737 | 705 | 741 | 8719 |
| 1993 | MEAN | 13.3 | 13.5 | 13.4 | 12.6 | 13.7 | 14.1 | 15.5 | 15.6 | 15.1 | 15.9 | 16.0 | - | 14.4 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | 17.8 | 16.7 | 15.2 | 14.5 | 17.3 | 17.5 | 19.0 | 18.8 | 18.1 | 22.2 | 19.9 | - | 22.2 |
| | DAY-HR | 27-23 | 19-01 | 17-01 | 02-23 | 10-02 | 25-09 | 28-21 | 02-01 | 27-21 | 28-00 | 03-00 | - | OCT |
| | MINIMUM | 8.6 | 11.1 | 10.5 | 10.5 | 11.1 | 11.7 | 12.0 | 12.9 | 12.5 | 12.9 | 12.8 | - | 8.6 |
| | DAY-HR | 03-17 | 27-14 | 28-03 | 30-15 | 05-18 | 18-12 | 02-11 | 26-10 | 24-14 | 08-16 | 12-20 | - | JAN |
| | # OBS | 731 | 633 | 729 | 720 | 736 | 720 | 734 | 738 | 716 | 742 | 401 | - | 7600 |
| 1994 | MEAN | - | - | - | - | - | 12.7 | 13.8 | 15.1 | 15.7 | 15.8 | 16.7 | 12.7 | 14.6 |
| | MAXIMUM | - | - | - | - | - | 14.0 | 16.0 | 19.6 | 17.8 | 21.7 | 16.7 | 15.2 | 21.7 |
| | DAY-HR | - | - | - | - | - | 27-02 | 24-00 | 14-22 | 24-00 | 08-22 | 01-00 | 21-00 | OCT |
| | MINIMUM | - | - | - | - | - | 10.9 | 11.4 | 12.5 | 12.9 | 13.0 | 16.7 | 10.5 | 10.5 |
| | DAY-HR | - | - | - | - | - | 30-13 | 02-16 | 03-12 | 05-11 | 23-16 | 01-00 | 29-15 | DEC |
| | # OBS | - | - | - | - | - | 364 | 740 | 741 | 718 | 738 | 1 | 426 | 3728 |
| 1995 | MEAN | 13.1 | 13.7 | 13.7 | 12.4 | 11.8 | 12.6 | 14.3 | 14.4 | 14.7 | 15.8 | 14.9 | 13.6 | 13.9 |
| | MAXIMUM | 15.7 | 19.8 | 16.7 | 15.5 | 13.3 | 15.9 | 17.5 | 17.2 | 17.9 | 20.3 | 18.4 | 16.0 | 20.3 |
| | DAY-HR | 31-23 | 20-14 | 29-23 | 22-18 | 17-23 | 25-22 | 31-21 | 15-22 | 06-19 | 03-16 | 29-20 | 06-01 | OCT |
| | MINIMUM | 10.2 | 11.3 | 9.7 | 9.0 | 10.4 | 10.6 | 12.5 | 12.1 | 12.5 | 13.3 | 12.5 | 10.6 | 9.0 |
| | DAY-HR | 16-09 | 15-17 | 23-16 | 16-09 | 30-11 | 09-12 | 28-15 | 13-11 | 01-12 | 28-08 | 20-15 | 23-00 | APR |
| | # OBS | 737 | 665 | 737 | 510 | 340 | 709 | 735 | 733 | 712 | 741 | 711 | 721 | 8051 |
| 1996 | MEAN | 13.2 | 13.0 | 13.3 | 13.5 | - | 12.3 | 13.7 | - | - | - | - | - | 13.1 |
| | MAXIMUM | 18.0 | 20.5 | 18.0 | 18.5 | - | 15.3 | 16.3 | - | - | - | - | - | 20.5 |
| | DAY-HR | 11-12 | 12-22 | 07-23 | 15-00 | - | 27-23 | 10-21 | - | - | - | - | - | FEB |
| | MINIMUM | 9.4 | 7.3 | 11.0 | 11.1 | - | 11.0 | 12.1 | - | - | - | - | - | 7.3 |
| | DAY-HR | 23-11 | 26-11 | 29-14 | 07-13 | - | 17-16 | 10-09 | - | - | - | - | - | FEB |
| | # OBS | 692 | 664 | 715 | 407 | - | 334 | 154 | - | - | - | - | - | 2966 |
| 1997 | MEAN | - | - | - | - | - | 13.8 | 14.8 | 17.1 | 17.8 | 16.9 | 16.5 | 14.3 | 16.0 |
| | MAXIMUM | - | - | - | - | - | 16.7 | 17.5 | 21.3 | 21.4 | 23.0 | 23.0 | 17.6 | 23.0 |
| | DAY-HR | - | - | - | - | - | 15-18 | 14-00 | 19-19 | 28-21 | 15-22 | 02-23 | 31-00 | NOV |
| | MINIMUM | - | - | - | - | - | 12.5 | 12.6 | 14.1 | 15.2 | 14.3 | 11.8 | 10.5 | 10.5 |
| | DAY-HR | - | - | - | - | - | 24-14 | 09-15 | 07-16 | 21-15 | 11-13 | 27-05 | 25-18 | DEC |
| | # OBS | - | - | - | - | - | 536 | 543 | 731 | 707 | 732 | 699 | 738 | 4686 |
| 1998 | MEAN | 14.0 | 13.4 | 13.1 | 12.2 | 13.2 | 14.3 | 14.5 | 15.4 | 16.0 | 14.9 | 13.3 | 11.3 | 13.8 |
| | MAXIMUM | 16.2 | 15.7 | 16.4 | 15.8 | 15.2 | 16.7 | 17.5 | 17.2 | 18.4 | 21.1 | 14.9 | 15.4 | 21.1 |
| | DAY-HR | 07-22 | 03-05 | 11-11 | 21-23 | 07-01 | 17-19 | 24-22 | 11-18 | 27-18 | 06-22 | 23-23 | 16-23 | OCT |
| | MINIMUM | 11.0 | 9.5 | 7.8 | 8.2 | 10.5 | 12.6 | 12.1 | 13.6 | 14.1 | 12.2 | 10.5 | 4.8 | 4.8 |
| | DAY-HR | 06-15 | 15-13 | 29-07 | 01-11 | 12-22 | 28-14 | 07-12 | 27-14 | 02-15 | 23-13 | 10-15 | 21-17 | DEC |
| | # OBS | 711 | 663 | 709 | 688 | 707 | 679 | 728 | 786 | 712 | 744 | 706 | 740 | 8573 |
| 1999 | MEAN | 12.1 | 11.5 | 10.7 | 10.9 | 11.0 | 11.7 | 13.7 | 14.0 | 14.3 | 14.4 | 13.6 | 12.8 | 12.5 |
| | MAXIMUM | 15.3 | 13.6 | 12.6 | 17.0 | 13.8 | 14.8 | 16.5 | 17.9 | 18.1 | 18.0 | 18.3 | 16.8 | 18.3 |
| | DAY-HR | 04-01 | 12-00 | 01-00 | 16-20 | 31-23 | 30-20 | 15-19 | 10-20 | 10-20 | 09-01 | 15-22 | 28-23 | NOV |
| | MINIMUM | 9.0 | 8.6 | 6.7 | 7.4 | 9.1 | 10.1 | 11.7 | 11.7 | 12.1 | 12.1 | 10.2 | 9.4 | 6.7 |
| | DAY-HR | 25-13 | 11-16 | 15-13 | 09-07 | 16-13 | 17-18 | 09-15 | 24-11 | 05-16 | 22-18 | 28-13 | 10-02 | MAR |
| | # OBS | 740 | 660 | 718 | 718 | 741 | 720 | 730 | 704 | 711 | 724 | 658 | 743 | 8567 |
| 2000 | MEAN | 12.3 | 12.4 | 11.8 | 12.1 | 12.2 | 13.4 | 14.0 | 14.3 | 15.8 | 14.6 | 13.0 | 13.3 | 13.3 |
| | MAXIMUM | 15.2 | 16.7 | 14.5 | 15.9 | 16.5 | 17.1 | 17.4 | 17.6 | 19.1 | 17.5 | 17.2 | 19.0 | 19.1 |
| | DAY-HR | 19-01 | 03-01 | 18-19 | 01-22 | 22-02 | 18-22 | 13-03 | 31-21 | 13-20 | 02-00 | 04-06 | 06-00 | SEP |
| | MINIMUM | 9.8 | 9.5 | 8.1 | 8.9 | 10.3 | 10.3 | 11.7 | 12.2 | 13.0 | 11.5 | 9.8 | 9.8 | 8.1 |
| | DAY-HR | 28-15 | 25-09 | 06-10 | 12-13 | 21-12 | 04-14 | 28-14 | 01-06 | 12-15 | 16-15 | 16-12 | 31-18 | MAR |
| | # OBS | 724 | 690 | 737 | 692 | 715 | 706 | 732 | 740 | 719 | 722 | 711 | 742 | 8630 |
| 2001 | MEAN | 11.8 | 11.3 | 11.9 | 11.0 | 12.9 | 13.6 | 14.4 | 14.0 | 14.5 | 14.3 | 14.0 | 12.2 | 13.0 |
| | MAXIMUM | 17.3 | 15.9 | 15.6 | 13.4 | 17.7 | 17.9 | 17.6 | 16.0 | 20.3 | 18.3 | 16.4 | 15.7 | 20.3 |
| | DAY-HR | 04-00 | 03-23 | 22-20 | 19-02 | 31-00 | 27-21 | 06-21 | 09-22 | 11-19 | 12-21 | 14-22 | 28-04 | SEP |
| | MINIMUM | 8.3 | 7.0 | 9.4 | 8.6 | 9.9 | 10.6 | 12.1 | 12.1 | 12.0 | 11.8 | 11.0 | 9.0 | 7.0 |
| | DAY-HR | 17-15 | 13-17 | 02-20 | 09-14 | 05-15 | 18-12 | 23-18 | 19-15 | 01-16 | 16-11 | 27-12 | 16-14 | FEB |
| | # OBS | 744 | 672 | 739 | 717 | 742 | 717 | 742 | 740 | 717 | 744 | 719 | 744 | 8737 |
| POR | MEAN | 13.0 | 12.9 | 12.7 | 12.4 | 12.6 | 13.4 | 14.5 | 15.2 | 15.7 | 15.7 | 14.7 | 13.3 | 13.9 |
| | MAXIMUM | 19.7 | 20.5 | 18.0 | 22.1 | 18.0 | 18.3 | 21.2 | 21.3 | 25.0 | 27.3 | 23.0 | 19.2 | 27.3 |
| | YEAR | 1986 | 1996 | 1996 | 1989 | 1992 | 1992 | 1983 | 1997 | 1984 | 1987 | 1997 | 1989 | OCT/1987 |
| | MINIMUM | 7.2 | 5.8 | 6.7 | 7.4 | 7.8 | 9.9 | 10.8 | 11.7 | 11.6 | 11.5 | 8.2 | 4.4 | 4.4 |
| | YEAR | 1987 | 1989 | 1999 | 1999 | 1988 | 1991 | 1986 | 1999 | 1988 | 2000 | 1985 | 1990 | DEC/1990 |
| | # OBS | 11670 | 10800 | 11617 | 10748 | 11164 | 13329 | 13974 | 14059 | 13551 | 13618 | 11719 | 11677 | 147926 |

STATION: 46023 -- POR (4/1982 - 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1982 | MEAN | - | - | - | 12.4 | 12.9 | 13.4 | 13.7 | 15.3 | 16.9 | 16.8 | 17.3 | 15.4 | 15.0 |
| | MAXIMUM | - | - | - | 14.5 | 15.6 | 15.9 | 15.9 | 18.3 | 19.6 | 18.5 | 18.7 | 16.4 | 19.6 |
| | DAY-HR | - | - | - | 26-01 | 31-21 | 30-03 | 31-04 | 14-01 | 18-23 | 25-09 | 04-00 | 01-01 | SEP |
| | MINIMUM | - | - | - | 10.6 | 10.8 | 11.8 | 12.3 | 13.5 | 13.5 | 15.0 | 16.1 | 14.7 | 10.6 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY-HR | - | - | - | 17-14 | 14-14 | 08-12 | 07-12 | 10-17 | 07-14 | 06-02 | 10-05 | 31-08 | APR |
| | # OBS | - | - | - | 574 | 741 | 720 | 742 | 741 | 718 | 744 | 720 | 743 | 6443 |
| 1983 | MEAN | 15.5 | 15.4 | 14.9 | 13.3 | 13.4 | 14.7 | 16.3 | 17.8 | 18.9 | 18.6 | 16.4 | 14.4 | 15.9 |
| | MAXIMUM | 16.9 | 16.1 | 15.9 | 15.4 | 15.2 | 17.0 | 18.1 | 20.2 | 21.7 | 22.0 | 19.4 | 15.3 | 22.0 |
| | DAY-HR | 14-23 | 12-00 | 13-02 | 29-19 | 20-22 | 23-00 | 29-07 | 23-02 | 12-21 | 05-22 | 01-00 | 11-00 | OCT |
| | MINIMUM | 14.8 | 15.1 | 13.2 | 11.7 | 11.0 | 12.3 | 14.2 | 14.2 | 16.5 | 16.0 | 13.9 | 13.8 | 11.0 |
| | DAY-HR | 02-14 | 28-23 | 31-23 | 04-15 | 14-17 | 04-10 | 07-12 | 03-17 | 09-15 | 15-18 | 29-17 | 24-12 | MAY |
| | # OBS | 740 | 672 | 744 | 641 | 739 | 706 | 731 | 739 | 718 | 735 | 695 | 617 | 8477 |
| 1984 | MEAN | 14.5 | 13.9 | 13.4 | 12.6 | 12.8 | 14.5 | 16.4 | 17.8 | 18.6 | 15.4 | 15.0 | 13.9 | 15.0 |
| | MAXIMUM | 15.8 | 15.4 | 14.5 | 14.9 | 18.1 | 16.5 | 19.0 | 20.3 | 23.4 | 18.7 | 16.6 | 14.8 | 23.4 |
| | DAY-HR | 06-21 | 09-20 | 04-21 | 15-01 | 28-23 | 01-00 | 18-22 | 23-01 | 10-22 | 01-00 | 01-21 | 11-23 | SEP |
| | MINIMUM | 13.8 | 12.2 | 12.2 | 10.3 | 10.4 | 12.9 | 14.1 | 14.8 | 15.7 | 13.4 | 13.3 | 13.0 | 10.3 |
| | DAY-HR | 28-12 | 24-14 | 23-16 | 28-11 | 05-15 | 10-08 | 07-14 | 05-04 | 01-16 | 22-09 | 30-03 | 05-13 | APR |
| | # OBS | 674 | 693 | 737 | 715 | 736 | 713 | 742 | 737 | 714 | 743 | 716 | 281 | 8201 |
| 1985 | MEAN | 13.6 | 12.8 | 12.2 | 12.2 | 12.2 | 13.9 | 14.5 | 15.1 | 16.4 | 15.9 | 14.6 | 13.5 | 13.9 |
| | MAXIMUM | 15.0 | 15.0 | 14.9 | 15.7 | 14.2 | 17.7 | 17.3 | 18.5 | 19.6 | 19.5 | 17.2 | 15.2 | 19.6 |
| | DAY-HR | 25-23 | 14-22 | 17-23 | 01-22 | 07-21 | 23-01 | 27-01 | 13-23 | 06-23 | 04-01 | 02-23 | 21-23 | SEP |
| | MINIMUM | 13.1 | 11.9 | 10.4 | 10.3 | 10.5 | 11.1 | 12.4 | 12.6 | 13.4 | 14.1 | 12.0 | 12.7 | 10.3 |
| | DAY-HR | 31-13 | 10-17 | 24-14 | 30-19 | 05-08 | 05-13 | 05-14 | 26-20 | 13-07 | 23-17 | 21-00 | 18-15 | APR |
| | # OBS | 628 | 671 | 736 | 715 | 738 | 703 | 733 | 736 | 715 | 742 | 718 | 743 | 8578 |
| 1986 | MEAN | 13.8 | 13.6 | 13.4 | 12.6 | 12.3 | 12.9 | 14.9 | 13.8 | 15.0 | 16.3 | 15.8 | 15.8 | 14.2 |
| | MAXIMUM | 15.4 | 15.4 | 15.9 | 16.1 | 14.4 | 14.4 | 18.6 | 17.2 | 18.1 | 18.3 | 17.0 | 17.3 | 18.6 |
| | DAY-HR | 28-00 | 26-23 | 19-23 | 20-23 | 18-00 | 27-00 | 24-21 | 14-23 | 12-22 | 24-21 | 08-00 | 03-22 | JUL |
| | MINIMUM | 13.2 | 12.7 | 12.1 | 11.0 | 10.7 | 11.2 | 12.5 | 11.9 | 12.8 | 14.1 | 14.4 | 14.5 | 10.7 |
| | DAY-HR | 31-15 | 15-03 | 26-10 | 27-09 | 12-13 | 20-16 | 31-16 | 30-12 | 21-14 | 21-07 | 30-13 | 29-08 | MAY |
| | # OBS | 740 | 663 | 733 | 715 | 737 | 717 | 743 | 743 | 718 | 741 | 695 | 741 | 8686 |
| 1987 | MEAN | 13.8 | 13.4 | 12.9 | 12.7 | 14.1 | 13.3 | 14.6 | 15.7 | 16.5 | 17.3 | - | - | 14.3 |
| | MAXIMUM | 16.0 | 15.1 | 15.3 | 16.1 | 16.3 | 16.2 | 17.5 | 18.7 | 18.3 | 21.5 | - | - | 21.5 |
| | DAY-HR | 02-23 | 05-23 | 12-23 | 21-20 | 14-20 | 30-02 | 21-23 | 30-22 | 29-03 | 06-00 | - | - | OCT |
| | MINIMUM | 11.8 | 12.1 | 11.0 | 11.2 | 12.2 | 11.0 | 12.3 | 13.3 | 14.0 | 15.2 | - | - | 11.0 |
| | DAY-HR | 19-16 | 25-09 | 25-15 | 09-16 | 31-13 | 23-13 | 31-17 | 02-13 | 12-10 | 03-10 | - | - | JUN |
| | # OBS | 737 | 669 | 724 | 717 | 743 | 716 | 744 | 744 | 679 | 311 | - | - | 6784 |
| 1988 | MEAN | 12.6 | 13.0 | 13.3 | 13.4 | 11.7 | 12.1 | 15.4 | 15.4 | 14.6 | 15.2 | 13.5 | 12.7 | 13.7 |
| | MAXIMUM | 14.8 | 15.2 | 15.9 | 15.1 | 14.0 | 15.0 | 19.3 | 19.0 | 16.9 | 17.2 | 15.6 | 15.1 | 19.3 |
| | DAY-HR | 27-17 | 12-23 | 18-21 | 10-00 | 20-23 | 21-03 | 20-20 | 02-23 | 22-00 | 23-01 | 11-00 | 10-23 | JUL |
| | MINIMUM | 12.2 | 12.0 | 12.4 | 12.0 | 10.2 | 10.4 | 12.6 | 12.8 | 12.1 | 12.4 | 11.3 | 11.6 | 10.2 |
| | DAY-HR | 30-10 | 03-19 | 28-09 | 30-23 | 19-15 | 04-11 | 01-08 | 17-07 | 04-20 | 11-16 | 24-16 | 27-16 | MAY |
| | # OBS | 102 | 695 | 741 | 720 | 741 | 715 | 742 | 742 | 711 | 744 | 717 | 738 | 8108 |
| 1989 | MEAN | 11.7 | 11.6 | 11.9 | 13.4 | 12.3 | 13.0 | 14.0 | 15.1 | 14.3 | 15.6 | 15.5 | 15.1 | 13.6 |
| | MAXIMUM | 13.0 | 13.7 | 13.9 | 17.3 | 14.5 | 17.1 | 16.5 | 18.4 | 16.6 | 17.9 | 17.1 | 16.7 | 18.4 |
| | DAY-HR | 21-23 | 21-21 | 08-22 | 08-00 | 01-02 | 29-22 | 12-01 | 22-22 | 17-20 | 10-00 | 21-01 | 27-00 | AUG |
| | MINIMUM | 11.1 | 11.0 | 10.9 | 10.7 | 10.6 | 11.0 | 11.5 | 13.2 | 12.5 | 13.3 | 14.2 | 14.0 | 10.6 |
| | DAY-HR | 14-17 | 08-15 | 31-18 | 04-15 | 25-19 | 01-16 | 03-12 | 10-10 | 27-09 | 01-15 | 14-10 | 06-17 | MAY |
| | # OBS | 741 | 669 | 740 | 720 | 737 | 698 | 728 | 738 | 717 | 743 | 715 | 738 | 8684 |
| 1990 | MEAN | 13.9 | 13.2 | - | - | 12.5 | 13.0 | 15.3 | 16.7 | 15.9 | 15.8 | 15.2 | 14.2 | 14.9 |
| | MAXIMUM | 15.5 | 13.4 | - | - | 13.6 | 15.6 | 19.1 | 19.2 | 18.3 | 18.8 | 16.7 | 16.4 | 19.2 |
| | DAY-HR | 01-04 | 01-12 | - | - | 31-23 | 15-23 | 17-01 | 03-21 | 23-02 | 24-22 | 15-23 | 09-23 | AUG |
| | MINIMUM | 12.8 | 12.7 | - | - | 11.4 | 11.0 | 11.9 | 14.4 | 13.7 | 13.2 | 13.6 | 12.3 | 11.0 |
| | DAY-HR | 28-16 | 03-11 | - | - | 26-17 | 06-16 | 01-04 | 18-10 | 09-17 | 03-06 | 29-09 | 28-22 | JUN |
| | # OBS | 744 | 60 | - | - | 126 | 713 | 737 | 743 | 714 | 742 | 717 | 740 | 6036 |
| 1991 | MEAN | 13.2 | 13.5 | 12.6 | 11.7 | 10.8 | 12.9 | 15.3 | 15.4 | 15.6 | 15.7 | 14.3 | 14.0 | 13.7 |
| | MAXIMUM | 13.9 | 15.1 | 15.2 | 13.9 | 12.5 | 15.7 | 17.6 | 18.0 | 17.2 | 17.6 | 15.6 | 15.2 | 18.0 |
| | DAY-HR | 27-00 | 14-23 | 08-22 | 20-00 | 24-21 | 30-01 | 27-22 | 11-23 | 12-13 | 23-04 | 26-22 | 17-00 | AUG |
| | MINIMUM | 12.6 | 12.4 | 11.4 | 10.2 | 9.9 | 10.7 | 12.9 | 13.5 | 13.3 | 13.6 | 13.3 | 12.8 | 9.9 |
| | DAY-HR | 18-16 | 28-18 | 31-11 | 16-06 | 10-17 | 01-14 | 12-06 | 31-11 | 01-18 | 13-14 | 18-19 | 03-03 | MAY |
| | # OBS | 742 | 672 | 743 | 719 | 744 | 719 | 741 | 740 | 719 | 743 | 715 | 741 | 8738 |
| 1992 | MEAN | 13.7 | 14.3 | 14.8 | 14.3 | 14.7 | 15.2 | 15.3 | 15.7 | 16.2 | 16.5 | 16.5 | 14.6 | 15.1 |
| | MAXIMUM | 14.5 | 15.9 | 15.7 | 16.0 | 17.1 | 18.3 | 19.1 | 18.8 | 18.0 | 18.3 | 18.0 | 16.1 | 19.1 |
| | DAY-HR | 31-22 | 27-22 | 30-20 | 13-18 | 11-03 | 30-23 | 12-01 | 30-22 | 27-19 | 23-23 | 01-04 | 10-22 | JUL |
| | MINIMUM | 13.3 | 13.6 | 14.4 | 11.8 | 12.1 | 11.4 | 11.3 | 13.7 | 14.5 | 14.2 | 14.5 | 13.7 | 11.3 |
| | DAY-HR | 25-20 | 12-18 | 23-15 | 24-16 | 01-16 | 17-15 | 22-13 | 23-15 | 22-08 | 06-09 | 30-16 | 31-23 | JUL |
| | # OBS | 740 | 689 | 737 | 719 | 742 | 716 | 741 | 738 | 712 | 736 | 704 | 738 | 8712 |
| 1993 | MEAN | 13.9 | 14.1 | 13.9 | 12.2 | 13.3 | 13.9 | 16.9 | 15.8 | 15.4 | 16.3 | 16.8 | - | 14.7 |
| | MAXIMUM | 16.0 | 14.8 | 14.9 | 14.1 | 16.8 | 17.6 | 19.8 | 19.1 | 17.6 | 18.5 | 18.4 | - | 19.8 |
| | DAY-HR | 27-00 | 06-02 | 16-23 | 05-00 | 30-01 | 26-23 | 25-03 | 01-23 | 27-21 | 27-23 | 07-23 | - | JUL |
| | MINIMUM | 13.3 | 13.6 | 12.6 | 10.4 | 10.3 | 10.6 | 13.6 | 13.4 | 13.4 | 14.5 | 15.2 | - | 10.3 |
| | DAY-HR | 13-16 | 28-17 | 22-13 | 26-14 | 09-15 | 10-21 | 01-13 | 17-16 | 11-15 | 03-14 | 17-16 | - | MAY |
| | # OBS | 731 | 632 | 729 | 720 | 737 | 719 | 734 | 736 | 715 | 742 | 401 | - | 7596 |
| 1994 | MEAN | - | - | - | - | - | 13.2 | 14.4 | 15.6 | 16.2 | 15.8 | 16.1 | 13.4 | 15.0 |
| | MAXIMUM | - | - | - | - | - | 14.4 | 16.4 | 19.9 | 18.8 | 19.6 | 16.1 | 14.2 | 19.9 |
| | DAY-HR | - | - | - | - | - | 25-07 | 16-21 | 18-07 | 22-20 | 08-21 | 01-00 | 23-23 | AUG |
| | MINIMUM | - | - | - | - | - | 11.9 | 11.9 | 13.0 | 14.1 | 13.4 | 16.1 | 12.8 | 11.9 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY-HR | - | - | - | - | - | 16-15 | 09-11 | 01-17 | 03-15 | 15-08 | 01-00 | 30-17 | JUL |
| | # OBS | - | - | - | - | - | 364 | 740 | 741 | 718 | 738 | 1 | 424 | 3726 |
| 1995 | MEAN | 13.5 | 13.8 | 14.1 | 12.0 | 11.5 | 12.6 | 14.0 | 14.6 | 14.5 | 16.6 | 15.8 | 14.4 | 14.1 |
| | MAXIMUM | 14.4 | 16.4 | 15.8 | 14.1 | 12.8 | 16.0 | 17.3 | 17.6 | 17.3 | 19.8 | 17.6 | 16.0 | 19.8 |
| | DAY-HR | 19-22 | 28-23 | 29-23 | 13-00 | 17-22 | 28-14 | 08-01 | 15-23 | 08-00 | 02-21 | 01-21 | 10-04 | OCT |
| | MINIMUM | 12.9 | 13.4 | 12.8 | 9.6 | 10.4 | 10.5 | 12.1 | 12.1 | 12.2 | 14.8 | 13.6 | 12.8 | 9.6 |
| | DAY-HR | 21-23 | 19-10 | 27-13 | 19-13 | 27-17 | 12-17 | 24-18 | 08-17 | 03-14 | 23-16 | 28-18 | 26-01 | APR |
| | # OBS | 737 | 569 | 734 | 507 | 339 | 707 | 730 | 734 | 712 | 741 | 709 | 726 | 7945 |
| 1996 | MEAN | 13.2 | 13.5 | 14.4 | 14.1 | - | 12.7 | 14.1 | - | - | - | - | - | 13.7 |
| | MAXIMUM | 15.1 | 15.2 | 16.6 | 17.3 | - | 15.7 | 16.5 | - | - | - | - | - | 17.3 |
| | DAY-HR | 12-22 | 14-20 | 07-22 | 15-00 | - | 27-23 | 11-00 | - | - | - | - | - | APR |
| | MINIMUM | 11.0 | 11.8 | 13.3 | 13.3 | - | 11.7 | 12.6 | - | - | - | - | - | 11.0 |
| | DAY-HR | 30-19 | 02-14 | 03-18 | 05-13 | - | 16-14 | 09-03 | - | - | - | - | - | JAN |
| | # OBS | 700 | 665 | 714 | 411 | - | 333 | 147 | - | - | - | - | - | 2970 |
| 1997 | MEAN | - | - | - | - | - | 13.9 | 15.6 | 17.7 | 18.5 | 17.9 | 18.2 | 16.2 | 17.0 |
| | MAXIMUM | - | - | - | - | - | 15.9 | 18.3 | 20.4 | 20.3 | 20.6 | 20.7 | 17.3 | 20.7 |
| | DAY-HR | - | - | - | - | - | 16-01 | 13-23 | 16-22 | 24-00 | 02-18 | 03-21 | 02-23 | NOV |
| | MINIMUM | - | - | - | - | - | 12.5 | 13.4 | 14.2 | 17.5 | 15.3 | 17.2 | 15.2 | 12.5 |
| | DAY-HR | - | - | - | - | - | 07-20 | 17-16 | 06-05 | 19-18 | 13-16 | 30-23 | 29-17 | JUN |
| | # OBS | - | - | - | - | - | 536 | 543 | 724 | 706 | 721 | 699 | 738 | 4667 |
| 1998 | MEAN | 15.6 | 14.9 | 14.2 | 13.3 | 13.5 | 14.5 | 15.4 | 17.0 | 16.9 | 15.2 | 13.7 | 12.5 | 14.8 |
| | MAXIMUM | 16.4 | 16.0 | 15.7 | 16.0 | 15.2 | 16.5 | 18.7 | 18.7 | 18.4 | 17.2 | 15.3 | 14.1 | 18.7 |
| | DAY-HR | 07-22 | 04-23 | 23-23 | 21-23 | 07-04 | 14-00 | 26-00 | 16-11 | 08-23 | 07-00 | 17-22 | 03-21 | AUG |
| | MINIMUM | 14.9 | 14.1 | 13.6 | 12.1 | 11.8 | 12.5 | 11.8 | 15.2 | 15.7 | 13.4 | 12.1 | 11.3 | 11.3 |
| | DAY-HR | 28-17 | 28-16 | 31-23 | 17-18 | 02-08 | 30-23 | 04-19 | 02-07 | 28-16 | 16-18 | 08-14 | 23-19 | DEC |
| | # OBS | 711 | 663 | 710 | 688 | 708 | 678 | 728 | 786 | 711 | 743 | 719 | 740 | 8585 |
| 1999 | MEAN | 13.0 | 12.1 | 11.7 | 11.8 | 11.3 | 12.6 | 14.5 | 13.8 | 15.5 | 15.0 | 14.0 | 13.1 | 13.2 |
| | MAXIMUM | 14.2 | 13.3 | 12.8 | 14.1 | 13.4 | 15.9 | 16.8 | 17.3 | 18.1 | 16.4 | 15.4 | 14.6 | 18.1 |
| | DAY-HR | 21-03 | 12-22 | 21-22 | 17-23 | 31-01 | 23-23 | 16-01 | 11-00 | 10-22 | 11-05 | 15-21 | 05-01 | SEP |
| | MINIMUM | 11.8 | 11.4 | 10.5 | 10.9 | 9.8 | 10.5 | 12.6 | 12.1 | 12.1 | 12.8 | 12.0 | 11.7 | 9.8 |
| | DAY-HR | 04-08 | 27-05 | 08-16 | 05-15 | 17-14 | 18-10 | 27-05 | 31-19 | 01-03 | 31-15 | 26-17 | 17-04 | MAY |
| | # OBS | 739 | 660 | 717 | 717 | 742 | 719 | 736 | 733 | 713 | 721 | 656 | 743 | 8596 |
| 2000 | MEAN | 12.9 | 13.1 | 12.1 | 11.9 | 11.6 | 13.8 | 14.7 | 15.0 | 16.1 | 15.7 | 14.2 | 13.6 | 13.7 |
| | MAXIMUM | 14.1 | 14.1 | 13.3 | 14.4 | 14.2 | 16.7 | 17.2 | 17.2 | 18.1 | 17.3 | 15.6 | 14.9 | 18.1 |
| | DAY-HR | 19-23 | 19-01 | 26-22 | 02-00 | 22-01 | 29-00 | 12-23 | 31-23 | 26-00 | 12-22 | 04-23 | 03-00 | SEP |
| | MINIMUM | 12.1 | 12.5 | 11.0 | 10.5 | 10.2 | 11.3 | 12.5 | 13.4 | 14.1 | 13.3 | 12.1 | 12.6 | 10.2 |
| | DAY-HR | 16-22 | 25-16 | 24-18 | 12-16 | 20-11 | 14-09 | 26-00 | 01-00 | 09-10 | 25-19 | 20-16 | 26-13 | MAY |
| | # OBS | 724 | 690 | 737 | 692 | 715 | 706 | 741 | 743 | 719 | 729 | 717 | 743 | 8656 |
| 2001 | MEAN | 13.1 | 11.9 | 12.5 | 11.9 | 13.3 | 14.4 | 15.1 | 14.4 | 15.7 | 15.1 | 15.0 | 12.7 | 13.8 |
| | MAXIMUM | 14.1 | 12.9 | 14.9 | 13.1 | 16.5 | 19.1 | 17.7 | 16.0 | 19.1 | 16.6 | 16.0 | 14.4 | 19.1 |
| | DAY-HR | 07-06 | 27-22 | 23-00 | 16-23 | 31-00 | 28-00 | 08-23 | 14-00 | 12-01 | 01-00 | 06-02 | 08-23 | SEP |
| | MINIMUM | 12.0 | 10.9 | 11.8 | 10.5 | 10.5 | 12.4 | 12.8 | 12.5 | 12.9 | 13.6 | 12.9 | 11.0 | 10.5 |
| | DAY-HR | 31-14 | 08-17 | 28-16 | 03-18 | 04-15 | 12-08 | 23-14 | 26-18 | 30-10 | 03-21 | 30-11 | 18-08 | MAY |
| | # OBS | 744 | 672 | 739 | 717 | 741 | 717 | 742 | 737 | 716 | 744 | 719 | 744 | 8732 |
| POR | MEAN | 13.7 | 13.4 | 13.3 | 12.7 | 12.6 | 13.5 | 15.1 | 15.7 | 16.2 | 16.1 | 15.4 | 14.1 | 14.4 |
| | MAXIMUM | 16.9 | 16.4 | 16.6 | 17.3 | 18.1 | 19.1 | 19.8 | 20.4 | 23.4 | 22.0 | 20.7 | 17.3 | 23.4 |
| | YEAR | 1983 | 1995 | 1996 | 1996 | 1984 | 2001 | 1993 | 1997 | 1984 | 1983 | 1997 | 1997 | SEP/1984 |
| | MINIMUM | 11.0 | 10.9 | 10.4 | 9.6 | 9.8 | 10.4 | 11.3 | 11.9 | 12.1 | 12.4 | 11.3 | 11.0 | 9.6 |
| | YEAR | 1996 | 2001 | 1985 | 1995 | 1999 | 1988 | 1992 | 1986 | 1999 | 1988 | 1988 | 2001 | APR/1995 |
| | # OBS | 11674 | 10704 | 11715 | 11407 | 11506 | 13315 | 13965 | 14075 | 13545 | 13603 | 11733 | 11678 | 148920 |

STATION: 46023 -- POR (2/1989 - 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1989 | MEAN | - | 9.7 | 10.4 | 10.6 | - | - | - | 13.1 | 13.0 | 13.2 | 11.7 | 10.6 | 11.6 |
| | MAXIMUM | - | 12.8 | 13.7 | 12.1 | - | - | - | 14.7 | 16.0 | 17.0 | 15.7 | 14.6 | 17.0 |
| | DAY-HR | - | 21-21 | 11-20 | 02-21 | - | - | - | 25-04 | 18-00 | 24-05 | 21-00 | 27-00 | OCT |
| | MINIMUM | - | 5.4 | 2.4 | 8.0 | - | - | - | 11.5 | 10.8 | 6.8 | 3.5 | 2.8 | 2.4 |
| | DAY-HR | - | 15-15 | 03-19 | 04-13 | - | - | - | 27-13 | 19-09 | 29-21 | 27-07 | 14-13 | MAR |
| | # OBS | - | 342 | 740 | 99 | - | - | - | 167 | 717 | 742 | 714 | 736 | 4257 |
| 1990 | MEAN | 8.8 | 7.0 | - | - | 13.0 | 12.5 | - | 13.4 | 12.6 | 13.6 | 10.7 | 6.7 | 9.8 |
| | MAXIMUM | 14.3 | 8.8 | - | - | 14.5 | 15.5 | - | 14.1 | 14.7 | 14.0 | 15.6 | 14.4 | 15.6 |
| | DAY-HR | 12-20 | 02-12 | - | - | 30-23 | 08-23 | - | 31-23 | 06-05 | 31-10 | 11-00 | 09-20 | NOV |
| | MINIMUM | -0.5 | 5.1 | - | - | 11.8 | 11.0 | - | 12.5 | 10.9 | 13.2 | 1.2 | -10.5 | -10.5 |
| | DAY-HR | 27-11 | 01-14 | - | - | 29-20 | 05-07 | - | 31-14 | 13-16 | 31-22 | 27-17 | 22-20 | DEC |
| | # OBS | 744 | 28 | - | - | 118 | 229 | - | 34 | 472 | 24 | 713 | 740 | 3102 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1991 | MEAN | 9.5 | 11.2 | 7.1 | 8.6 | 8.1 | 9.6 | 12.2 | 13.3 | 13.6 | - | - | - | 10.6 |
| | MAXIMUM | 12.8 | 14.7 | 13.7 | 11.0 | 10.7 | 13.2 | 15.1 | 17.7 | 15.7 | - | - | - | 17.7 |
| | DAY-HR | 05-03 | 14-23 | 02-22 | 25-02 | 30-17 | 28-23 | 06-21 | 13-21 | 18-21 | - | - | - | AUG |
| | MINIMUM | 2.4 | 7.8 | -13.7 | 6.6 | 4.8 | 7.3 | 9.9 | 10.9 | 10.7 | - | - | - | -13.7 |
| | DAY-HR | 22-15 | 26-23 | 19-17 | 23-16 | 01-18 | 06-14 | 19-17 | 04-11 | 09-18 | - | - | - | MAR |
| | # OBS | 741 | 659 | 491 | 176 | 744 | 719 | 741 | 740 | 558 | - | - | - | 5569 |
| 1992 | MEAN | - | - | 11.2 | 12.2 | 13.3 | 12.9 | 13.3 | - | 14.3 | 14.7 | 12.4 | 9.4 | 12.6 |
| | MAXIMUM | - | - | 14.8 | 15.0 | 16.4 | 15.9 | 17.8 | - | 17.5 | 17.2 | 16.5 | 14.8 | 17.8 |
| | DAY-HR | - | - | 24-23 | 29-21 | 10-22 | 30-13 | 13-01 | - | 26-09 | 30-12 | 14-23 | 09-19 | JUL |
| | MINIMUM | - | - | 7.0 | 8.0 | 10.9 | 10.2 | 10.3 | - | 11.8 | 11.0 | 4.4 | 0.5 | 0.5 |
| | DAY-HR | - | - | 31-07 | 11-17 | 01-13 | 14-12 | 22-20 | - | 18-17 | 15-19 | 21-19 | 19-07 | DEC |
| | # OBS | - | - | 175 | 716 | 742 | 716 | 589 | - | 332 | 737 | 704 | 741 | 5452 |
| 1993 | MEAN | 10.2 | 10.2 | 11.8 | 10.8 | 12.5 | 12.9 | - | - | - | - | - | - | 11.3 |
| | MAXIMUM | 15.2 | 15.1 | 14.9 | 13.8 | 16.5 | 16.3 | - | - | - | - | - | - | 16.5 |
| | DAY-HR | 07-08 | 08-05 | 18-00 | 18-03 | 30-02 | 17-23 | - | - | - | - | - | - | MAY |
| | MINIMUM | -0.2 | 4.2 | 4.0 | 6.3 | 8.2 | 10.5 | - | - | - | - | - | - | -0.2 |
| | DAY-HR | 04-08 | 28-00 | 27-12 | 12-16 | 12-12 | 12-00 | - | - | - | - | - | - | JAN |
| | # OBS | 731 | 633 | 695 | 720 | 731 | 420 | - | - | - | - | - | - | 3930 |
| 1994 | MEAN | - | - | - | - | - | 12.4 | - | - | 15.0 | - | - | 7.6 | 11.8 |
| | MAXIMUM | - | - | - | - | - | 13.4 | - | - | 17.5 | - | - | 11.9 | 17.5 |
| | DAY-HR | - | - | - | - | - | 23-02 | - | - | 16-13 | - | - | 15-04 | SEP |
| | MINIMUM | - | - | - | - | - | 11.2 | - | - | 8.3 | - | - | -0.3 | -0.3 |
| | DAY-HR | - | - | - | - | - | 15-23 | - | - | 17-09 | - | - | 16-09 | DEC |
| | # OBS | - | - | - | - | - | 166 | - | - | 92 | - | - | 99 | 357 |
| 1995 | MEAN | - | 10.5 | 10.9 | - | - | - | - | - | - | 12.0 | 7.4 | 10.7 | 10.8 |
| | MAXIMUM | - | 14.1 | 15.2 | - | - | - | - | - | - | 13.5 | 8.6 | 14.8 | 15.2 |
| | DAY-HR | - | 14-11 | 05-10 | - | - | - | - | - | - | 24-22 | 01-05 | 13-11 | MAR |
| | MINIMUM | - | 0.3 | -0.1 | - | - | - | - | - | - | 9.3 | 4.9 | 4.2 | -0.1 |
| | DAY-HR | - | 15-17 | 06-05 | - | - | - | - | - | - | 30-10 | 01-08 | 17-08 | MAR |
| | # OBS | - | 497 | 185 | - | - | - | - | - | - | 135 | 5 | 714 | 1536 |
| 1996 | MEAN | 10.5 | 11.4 | 10.9 | 11.6 | - | - | - | - | - | - | - | - | 11.0 |
| | MAXIMUM | 14.9 | 15.2 | 15.1 | 15.0 | - | - | - | - | - | - | - | - | 15.2 |
| | DAY-HR | 17-01 | 05-20 | 10-19 | 02-00 | - | - | - | - | - | - | - | - | FEB |
| | MINIMUM | -0.4 | -2.7 | 5.6 | 8.4 | - | - | - | - | - | - | - | - | -2.7 |
| | DAY-HR | 23-22 | 12-13 | 23-18 | 13-00 | - | - | - | - | - | - | - | - | FEB |
| | # OBS | 656 | 308 | 682 | 378 | - | - | - | - | - | - | - | - | 2024 |
| 1997 | MEAN | - | - | - | - | - | 11.4 | 12.9 | 15.0 | 15.8 | 13.1 | 12.4 | 8.2 | 12.7 |
| | MAXIMUM | - | - | - | - | - | 13.6 | 15.1 | 18.8 | 19.0 | 18.1 | 18.2 | 14.5 | 19.0 |
| | DAY-HR | - | - | - | - | - | 15-18 | 23-19 | 19-23 | 28-21 | 16-22 | 03-19 | 06-13 | SEP |
| | MINIMUM | - | - | - | - | - | 9.8 | 11.3 | 12.4 | 12.7 | 3.6 | 7.6 | -2.4 | -2.4 |
| | DAY-HR | - | - | - | - | - | 22-14 | 11-07 | 11-18 | 19-12 | 25-08 | 30-20 | 22-16 | DEC |
| | # OBS | - | - | - | - | - | 536 | 543 | 731 | 705 | 728 | 699 | 738 | 4680 |
| 1998 | MEAN | 10.3 | 9.3 | 9.5 | 8.8 | 10.4 | 12.0 | 13.0 | 13.8 | 13.9 | 12.2 | 10.9 | 7.1 | 11.0 |
| | MAXIMUM | 14.7 | 14.8 | 14.6 | 13.9 | 14.0 | 14.8 | 15.8 | 15.6 | 17.0 | 15.4 | 13.6 | 12.7 | 17.0 |
| | DAY-HR | 16-03 | 14-17 | 24-22 | 21-23 | 05-23 | 18-02 | 20-21 | 11-18 | 07-20 | 21-20 | 04-05 | 03-20 | SEP |
| | MINIMUM | 2.3 | 2.2 | 1.7 | 3.8 | 6.1 | 9.5 | 10.8 | 11.8 | 10.4 | 7.4 | 5.6 | -4.4 | -4.4 |
| | DAY-HR | 06-04 | 11-03 | 07-19 | 12-14 | 12-22 | 21-18 | 02-17 | 26-11 | 22-13 | 20-16 | 10-15 | 23-19 | DEC |
| | # OBS | 711 | 661 | 709 | 687 | 707 | 679 | 728 | 786 | 712 | 744 | 704 | 740 | 8568 |
| 1999 | MEAN | 9.2 | 8.2 | 7.6 | 7.7 | 8.8 | 10.2 | 11.8 | 12.8 | 12.7 | 12.7 | 11.1 | 6.9 | 10.0 |
| | MAXIMUM | 13.8 | 12.5 | 11.7 | 12.6 | 11.2 | 13.3 | 15.2 | 15.6 | 14.6 | 16.1 | 15.8 | 11.3 | 16.1 |
| | DAY-HR | 20-14 | 09-12 | 03-20 | 17-22 | 31-02 | 23-23 | 13-18 | 10-21 | 22-22 | 10-23 | 15-22 | 03-02 | OCT |
| | MINIMUM | 2.6 | 0.1 | 2.7 | 2.2 | 6.3 | 6.7 | 10.0 | 10.7 | 10.7 | 9.8 | 1.9 | -4.4 | -4.4 |
| | DAY-HR | 29-19 | 11-17 | 10-05 | 04-03 | 15-17 | 03-08 | 19-17 | 31-02 | 01-04 | 29-15 | 22-17 | 23-21 | DEC |
| | # OBS | 736 | 660 | 717 | 718 | 741 | 720 | 730 | 704 | 711 | 724 | 658 | 743 | 8562 |
| 2000 | MEAN | 10.1 | 10.0 | 9.0 | 10.2 | 10.8 | 12.1 | 12.2 | 12.9 | 14.3 | 12.7 | 9.8 | 10.8 | 11.2 |
| | MAXIMUM | 14.2 | 13.4 | 12.3 | 14.7 | 14.2 | 14.8 | 14.1 | 15.8 | 18.1 | 15.5 | 13.8 | 13.9 | 18.1 |
| | DAY-HR | 19-01 | 14-18 | 23-00 | 12-22 | 22-00 | 18-21 | 10-21 | 31-20 | 14-20 | 10-03 | 05-01 | 07-20 | SEP |
| | MINIMUM | 2.7 | 3.3 | 3.2 | 6.5 | 6.5 | 8.4 | 0.0 | 11.5 | 11.1 | 8.2 | 3.3 | 1.2 | 0.0 |
| | DAY-HR | 06-14 | 24-09 | 06-04 | 28-16 | 11-16 | 05-13 | 28-11 | 09-17 | 10-13 | 22-18 | 17-16 | 12-03 | JUL |
| | # OBS | 724 | 689 | 737 | 692 | 715 | 705 | 740 | 742 | 719 | 725 | 717 | 743 | 8648 |
| 2001 | MEAN | 8.2 | 8.2 | 10.0 | 8.5 | 11.5 | 12.0 | 12.8 | 12.9 | 12.8 | 12.7 | 11.8 | 9.4 | 10.9 |
| | MAXIMUM | 12.6 | 12.2 | 12.8 | 11.8 | 15.8 | 16.5 | 15.8 | 14.5 | 16.7 | 16.1 | 15.7 | 13.7 | 16.7 |
| | DAY-HR | 06-00 | 22-07 | 25-12 | 18-02 | 31-00 | 01-02 | 08-21 | 24-02 | 11-21 | 30-21 | 12-11 | 09-00 | SEP |
| | MINIMUM | -1.6 | -3.6 | 5.3 | 2.7 | 7.4 | 9.6 | 10.8 | 11.4 | 11.2 | 10.1 | 3.7 | 0.1 | -3.6 |
| | DAY-HR | 17-00 | 08-20 | 09-16 | 03-16 | 04-17 | 13-10 | 11-15 | 20-15 | 28-10 | 22-09 | 28-06 | 15-15 | FEB |
| | # OBS | 744 | 672 | 739 | 717 | 742 | 717 | 742 | 739 | 717 | 744 | 718 | 744 | 8735 |
| POR | MEAN | 9.6 | 9.7 | 9.7 | 9.8 | 10.8 | 11.7 | 12.6 | 13.4 | 13.7 | 13.0 | 11.4 | 8.8 | 11.1 |
| | MAXIMUM | 15.2 | 15.2 | 15.2 | 15.0 | 16.5 | 16.5 | 17.8 | 18.8 | 19.0 | 18.1 | 18.2 | 14.8 | 19.0 |
| | YEAR | 1993 | 1996 | 1995 | 1996 | 1993 | 2001 | 1992 | 1997 | 1997 | 1997 | 1997 | 1995 | SEP/1997 |
| | MINIMUM | -1.6 | -3.6 | -13.7 | 2.2 | 4.8 | 6.7 | 0.0 | 10.7 | 8.3 | 3.6 | 1.2 | -10.5 | -13.7 |
| | YEAR | 2001 | 2001 | 1991 | 1999 | 1991 | 1999 | 2000 | 1999 | 1994 | 1997 | 1990 | 1990 | MAR/1991 |
| | # OBS | 5787 | 5149 | 5870 | 4903 | 5240 | 5607 | 4813 | 4643 | 5735 | 5303 | 5632 | 6738 | 65420 |

STATION: 46023 -- POR (4/1982 - 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1982 | MEAN | - | - | - | 1016.8 | 1013.9 | 1014.3 | 1014.1 | 1014.3 | 1011.8 | 1015.7 | 1014.9 | 1017.2 | 1014.7 |
| | MAXIMUM | - | - | - | 1022.6 | 1021.5 | 1018.3 | 1018.5 | 1017.9 | 1016.9 | 1022.4 | 1023.5 | 1026.4 | 1026.4 |
| | DAY-HR | - | - | - | 12-19 | 06-18 | 07-20 | 28-18 | 13-19 | 01-18 | 27-19 | 12-07 | 16-08 | DEC |
| | MINIMUM | - | - | - | 1010.6 | 1008.3 | 1009.6 | 1009.0 | 1009.9 | 1006.8 | 1009.3 | 1000.6 | 1002.7 | 1000.6 |
| | DAY-HR | - | - | - | 20-13 | 26-12 | 30-04 | 15-10 | 02-03 | 30-00 | 30-15 | 30-15 | 01-00 | NOV |
| | # OBS | - | - | - | 574 | 741 | 720 | 742 | 741 | 718 | 744 | 720 | 743 | 6443 |
| 1983 | MEAN | 1016.3 | 1015.1 | 1013.6 | 1014.7 | 1014.6 | 1012.8 | 1013.3 | 1014.8 | 1012.9 | 1015.7 | 1017.2 | 1018.9 | 1015.0 |
| | MAXIMUM | 1026.3 | 1023.7 | 1023.1 | 1021.1 | 1023.7 | 1018.0 | 1018.7 | 1020.9 | 1020.1 | 1021.4 | 1024.3 | 1027.0 | 1027.0 |
| | DAY-HR | 01-18 | 13-19 | 30-08 | 22-19 | 02-18 | 28-07 | 28-20 | 21-21 | 26-18 | 29-20 | 27-18 | 29-19 | DEC |
| | MINIMUM | 997.8 | 1001.5 | 992.4 | 1002.0 | 1006.4 | 1006.9 | 1008.6 | 1009.7 | 1006.6 | 1007.7 | 1005.9 | 1003.5 | 992.4 |
| | DAY-HR | 29-04 | 02-23 | 03-13 | 20-13 | 31-12 | 01-02 | 16-10 | 09-04 | 30-15 | 01-02 | 30-23 | 01-12 | MAR |
| | # OBS | 741 | 672 | 744 | 641 | 739 | 710 | 741 | 744 | 718 | 741 | 695 | 617 | 8503 |
| 1984 | MEAN | 1020.4 | 1019.9 | 1017.4 | 1016.5 | 1014.9 | 1014.0 | 1013.4 | 1014.1 | 1011.7 | 1016.1 | 1018.8 | 1016.1 | 1016.1 |
| | MAXIMUM | 1026.1 | 1025.6 | 1024.5 | 1025.2 | 1020.6 | 1019.1 | 1020.9 | 1018.9 | 1018.3 | 1023.3 | 1026.6 | 1021.0 | 1026.6 |
| | DAY-HR | 09-19 | 17-20 | 18-07 | 29-21 | 02-18 | 24-21 | 24-20 | 28-19 | 27-19 | 18-17 | 27-18 | 09-07 | NOV |
| | MINIMUM | 1011.1 | 1015.4 | 1009.4 | 1006.9 | 1009.4 | 1008.6 | 1007.0 | 1009.3 | 1003.1 | 1009.9 | 1009.0 | 1009.9 | 1003.1 |
| | DAY-HR | 13-22 | 22-12 | 30-01 | 06-10 | 26-02 | 10-13 | 07-02 | 09-11 | 22-01 | 25-02 | 13-04 | 11-05 | SEP |
| | # OBS | 674 | 693 | 737 | 716 | 736 | 714 | 742 | 737 | 714 | 743 | 716 | 281 | 8203 |
| 1985 | MEAN | 1019.6 | 1018.7 | 1019.4 | 1016.4 | 1016.0 | 1014.8 | 1014.9 | 1015.6 | 1015.2 | 1015.1 | 1016.6 | 1021.2 | 1016.9 |
| | MAXIMUM | 1026.0 | 1027.3 | 1027.4 | 1022.4 | 1021.3 | 1019.2 | 1019.9 | 1019.6 | 1021.0 | 1021.4 | 1027.5 | 1028.1 | 1028.1 |
| | DAY-HR | 17-18 | 11-19 | 30-19 | 29-18 | 17-19 | 01-20 | 10-20 | 18-22 | 08-19 | 19-16 | 19-18 | 13-19 | DEC |
| | MINIMUM | 1014.5 | 1007.6 | 1013.2 | 1009.2 | 1010.6 | 1009.7 | 1010.5 | 1010.2 | 1008.9 | 1007.9 | 1002.4 | 1011.0 | 1002.4 |
| | DAY-HR | 08-00 | 21-00 | 03-02 | 26-03 | 15-13 | 10-08 | 04-09 | 16-11 | 18-12 | 09-12 | 25-14 | 02-15 | NOV |
| | # OBS | 628 | 671 | 736 | 715 | 738 | 706 | 735 | 736 | 715 | 742 | 718 | 743 | 8583 |
| 1986 | MEAN | 1020.2 | 1018.0 | 1017.8 | 1017.1 | 1014.8 | 1014.8 | 1016.6 | 1014.2 | 1015.3 | 1016.2 | 1017.6 | 1018.5 | 1016.7 |
| | MAXIMUM | 1029.8 | 1025.3 | 1026.7 | 1024.8 | 1021.5 | 1019.2 | 1021.9 | 1018.3 | 1021.1 | 1023.3 | 1026.1 | 1025.9 | 1029.8 |
| | DAY-HR | 08-19 | 03-07 | 20-19 | 08-19 | 04-19 | 14-17 | 25-18 | 03-18 | 16-19 | 24-19 | 23-16 | 29-18 | JAN |
| | MINIMUM | 1007.3 | 1006.7 | 1004.5 | 1010.1 | 1010.0 | 1010.1 | 1011.6 | 1009.9 | 1008.6 | 1006.3 | 1008.5 | 1013.5 | 1004.5 |
| | DAY-HR | 30-11 | 14-23 | 16-13 | 05-12 | 25-12 | 09-10 | 21-09 | 24-02 | 24-22 | 02-11 | 18-08 | 16-00 | MAR |
| | # OBS | 741 | 664 | 733 | 715 | 737 | 717 | 743 | 743 | 718 | 741 | 695 | 741 | 8688 |
| 1987 | MEAN | 1019.1 | 1016.5 | 1016.9 | 1015.7 | 1014.4 | 1014.9 | 1013.1 | 1014.5 | 1014.5 | 1014.9 | - | - | 1015.5 |
| | MAXIMUM | 1027.4 | 1023.3 | 1024.2 | 1020.1 | 1019.3 | 1020.0 | 1018.3 | 1019.8 | 1018.9 | 1018.1 | - | - | 1027.4 |
| | DAY-HR | 09-19 | 12-20 | 11-19 | 20-19 | 23-20 | 13-16 | 01-19 | 22-19 | 23-18 | 11-19 | - | - | JAN |
| | MINIMUM | 1005.4 | 1002.2 | 1009.8 | 1010.4 | 1010.0 | 1010.1 | 1009.0 | 1008.4 | 1010.0 | 1011.7 | - | - | 1002.2 |
| | DAY-HR | 05-01 | 24-09 | 15-13 | 18-11 | 13-12 | 23-02 | 30-10 | 06-02 | 12-12 | 06-01 | - | - | FEB |
| | # OBS | 737 | 669 | 725 | 717 | 743 | 716 | 744 | 744 | 679 | 311 | - | - | 6785 |
| 1988 | MEAN | 1017.4 | 1017.9 | 1018.1 | 1014.8 | 1016.0 | 1014.6 | 1014.6 | 1012.7 | 1013.1 | 1015.7 | 1018.7 | 1020.4 | 1016.1 |
| | MAXIMUM | 1020.3 | 1025.3 | 1025.2 | 1022.6 | 1024.6 | 1021.7 | 1019.0 | 1018.3 | 1021.2 | 1022.5 | 1025.8 | 1028.5 | 1028.5 |
| | DAY-HR | 30-16 | 05-19 | 17-19 | 24-18 | 01-19 | 08-06 | 21-16 | 03-19 | 26-19 | 08-19 | 29-18 | 27-18 | DEC |
| | MINIMUM | 1014.7 | 1010.9 | 1010.4 | 1004.2 | 1009.7 | 1008.9 | 1009.2 | 1006.2 | 1007.2 | 1011.6 | 1010.2 | 1009.6 | 1004.2 |
| | DAY-HR | 31-23 | 28-01 | 31-03 | 21-10 | 19-11 | 29-04 | 01-02 | 31-03 | 01-01 | 27-11 | 25-12 | 15-22 | APR |
| | # OBS | 102 | 695 | 741 | 720 | 742 | 717 | 742 | 742 | 712 | 744 | 717 | 739 | 8113 |
| 1989 | MEAN | 1021.0 | 1020.5 | 1018.1 | 1015.9 | 1016.1 | 1014.0 | 1014.6 | 1013.6 | 1012.8 | 1016.4 | 1016.8 | 1019.3 | 1016.6 |
| | MAXIMUM | 1032.9 | 1030.0 | 1025.1 | 1021.9 | 1021.6 | 1019.9 | 1020.4 | 1017.9 | 1018.1 | 1022.1 | 1025.2 | 1026.3 | 1032.9 |
| | DAY-HR | 08-19 | 10-19 | 05-18 | 03-18 | 23-19 | 29-20 | 12-19 | 05-19 | 29-18 | 26-18 | 30-18 | 22-19 | JAN |
| | MINIMUM | 1010.9 | 1010.2 | 1008.2 | 1009.1 | 1010.0 | 1007.0 | 1009.8 | 1009.6 | 1007.5 | 1009.0 | 1008.2 | 1011.3 | 1007.0 |
| | DAY-HR | 23-22 | 28-11 | 02-16 | 09-02 | 09-13 | 23-04 | 21-02 | 31-07 | 22-12 | 05-11 | 17-23 | 17-01 | JUN |
| | # OBS | 742 | 669 | 740 | 720 | 737 | 699 | 730 | 738 | 717 | 743 | 715 | 739 | 8689 |
| 1990 | MEAN | 1018.8 | 1019.7 | - | - | 1014.1 | 1013.4 | 1013.4 | 1014.6 | 1013.5 | 1014.6 | 1017.5 | 1018.3 | 1015.5 |
| | MAXIMUM | 1028.7 | 1024.9 | - | - | 1017.7 | 1019.4 | 1017.3 | 1019.3 | 1018.7 | 1020.1 | 1024.8 | 1025.9 | 1028.7 |
| | DAY-HR | 07-18 | 03-07 | - | - | 26-19 | 18-19 | 26-18 | 27-18 | 25-18 | 09-18 | 29-07 | 23-19 | JAN |
| | MINIMUM | 1008.7 | 1011.8 | - | - | 1006.1 | 1006.7 | 1008.4 | 1011.3 | 1008.7 | 1009.6 | 1008.5 | 1008.7 | 1006.1 |
| | DAY-HR | 30-22 | 01-00 | - | - | 28-10 | 29-01 | 07-08 | 24-03 | 20-13 | 03-02 | 20-00 | 20-01 | MAY |
| | # OBS | 744 | 60 | - | - | 126 | 713 | 737 | 743 | 715 | 742 | 717 | 740 | 6037 |
| 1991 | MEAN | 1019.3 | 1017.5 | 1015.1 | 1016.8 | 1015.3 | 1013.9 | 1014.6 | 1015.2 | 1013.6 | 1014.0 | 1017.4 | 1017.0 | 1015.8 |
| | MAXIMUM | 1025.9 | 1027.2 | 1024.2 | 1023.2 | 1020.9 | 1017.8 | 1020.0 | 1020.1 | 1019.7 | 1022.4 | 1026.7 | 1025.7 | 1027.2 |
| | DAY-HR | 12-18 | 19-19 | 03-07 | 02-16 | 12-05 | 19-21 | 27-19 | 12-19 | 30-18 | 31-18 | 19-19 | 02-17 | FEB |
| | MINIMUM | 1011.2 | 994.3 | 994.7 | 1011.3 | 1009.2 | 1008.5 | 1008.0 | 1008.8 | 1007.9 | 1005.4 | 1008.7 | 1004.7 | 994.3 |
| | DAY-HR | 09-15 | 28-15 | 01-12 | 16-02 | 31-04 | 01-02 | 01-10 | 10-03 | 06-03 | 21-01 | 14-23 | 29-22 | FEB |
| | # OBS | 742 | 672 | 743 | 719 | 744 | 719 | 741 | 740 | 719 | 743 | 716 | 741 | 8739 |
| 1992 | MEAN | 1017.0 | 1015.6 | 1014.2 | 1015.2 | 1013.9 | 1013.0 | 1014.1 | 1014.3 | 1012.7 | 1014.4 | 1017.7 | 1017.6 | 1015.0 |
| | MAXIMUM | 1025.0 | 1023.0 | 1021.3 | 1019.6 | 1020.2 | 1020.5 | 1019.0 | 1020.1 | 1018.1 | 1020.4 | 1028.4 | 1024.9 | 1028.4 |
| | DAY-HR | 16-07 | 22-05 | 10-16 | 06-20 | 07-19 | 12-18 | 25-19 | 26-19 | 03-18 | 15-19 | 27-08 | 09-08 | NOV |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MINIMUM | 1003.8 | 1002.1 | 1001.1 | 1010.4 | 1006.5 | 1007.5 | 1009.6 | 1005.9 | 1006.1 | 1009.6 | 1010.4 | 1007.7 | 1001.1 |
| | DAY-HR | 05-22 | 07-01 | 02-13 | 19-02 | 10-01 | 06-12 | 03-13 | 24-03 | 25-11 | 04-12 | 09-01 | 07-14 | MAR |
| | # OBS | 740 | 689 | 737 | 719 | 742 | 716 | 741 | 738 | 713 | 737 | 707 | 741 | 8720 |
| 1993 | MEAN | 1014.9 | 1015.3 | 1018.4 | 1016.1 | 1014.3 | 1012.0 | 1013.8 | 1013.5 | 1013.7 | 1015.4 | 1016.1 | - | 1014.8 |
| | MAXIMUM | 1027.4 | 1025.7 | 1026.3 | 1021.9 | 1019.6 | 1019.1 | 1018.7 | 1020.4 | 1019.4 | 1021.1 | 1023.6 | - | 1027.4 |
| | DAY-HR | 20-19 | 01-19 | 01-19 | 17-20 | 29-20 | 07-06 | 19-19 | 10-18 | 03-19 | 20-18 | 09-18 | - | JAN |
| | MINIMUM | 1002.2 | 995.9 | 1006.9 | 1011.4 | 1009.2 | 1006.3 | 1007.5 | 1009.5 | 1007.2 | 1008.6 | 1009.4 | - | 995.9 |
| | DAY-HR | 18-12 | 08-12 | 25-22 | 13-01 | 09-10 | 17-03 | 01-03 | 07-03 | 13-02 | 29-11 | 12-22 | - | FEB |
| | # OBS | 731 | 634 | 729 | 720 | 737 | 719 | 734 | 736 | 715 | 743 | 401 | - | 7599 |
| 1994 | MEAN | - | - | - | - | - | 1014.7 | 1015.4 | 1014.1 | 1015.0 | 1013.8 | 1017.1 | 1018.2 | 1015.0 |
| | MAXIMUM | - | - | - | - | - | 1018.8 | 1019.8 | 1018.6 | 1019.7 | 1020.7 | 1017.1 | 1023.6 | 1023.6 |
| | DAY-HR | - | - | - | - | - | 20-20 | 19-19 | 01-19 | 05-18 | 24-18 | 01-00 | 15-18 | DEC |
| | MINIMUM | - | - | - | - | - | 1010.8 | 1010.7 | 1010.1 | 1009.2 | 1004.6 | 1017.1 | 1011.3 | 1004.6 |
| | DAY-HR | - | - | - | - | - | 25-10 | 08-12 | 12-11 | 30-23 | 15-11 | 01-00 | 23-23 | OCT |
| | # OBS | - | - | - | - | - | 364 | 740 | 741 | 718 | 738 | 1 | 425 | 3727 |
| 1995 | MEAN | 1016.3 | 1016.9 | 1015.3 | 1015.7 | 1014.5 | 1013.1 | 1013.5 | 1011.1 | 1012.9 | 1013.6 | 1017.5 | 1018.8 | 1014.9 |
| | MAXIMUM | 1024.5 | 1022.9 | 1023.6 | 1020.4 | 1017.6 | 1018.4 | 1018.5 | 1017.2 | 1016.8 | 1021.7 | 1021.8 | 1025.7 | 1025.7 |
| | DAY-HR | 28-19 | 17-19 | 13-17 | 17-22 | 18-18 | 17-20 | 22-19 | 21-18 | 11-18 | 20-18 | 07-18 | 14-19 | DEC |
| | MINIMUM | 1000.2 | 1003.0 | 1001.3 | 1007.3 | 1011.6 | 1007.1 | 1009.2 | 1005.2 | 1008.4 | 1005.8 | 1011.1 | 1013.5 | 1000.2 |
| | DAY-HR | 05-01 | 14-14 | 11-03 | 16-12 | 30-03 | 26-03 | 31-02 | 10-02 | 15-13 | 04-14 | 01-13 | 12-22 | JAN |
| | # OBS | 736 | 663 | 734 | 509 | 339 | 679 | 732 | 732 | 712 | 741 | 711 | 720 | 8008 |
| 1996 | MEAN | 1018.7 | 1017.0 | 1017.0 | 1016.6 | - | 1013.4 | 1014.1 | - | - | - | - | - | 1016.8 |
| | MAXIMUM | 1027.7 | 1027.2 | 1024.9 | 1023.8 | - | 1017.7 | 1018.6 | - | - | - | - | - | 1027.7 |
| | DAY-HR | 23-20 | 05-19 | 11-18 | 18-19 | - | 17-19 | 22-18 | - | - | - | - | - | JAN |
| | MINIMUM | 1003.8 | 1003.8 | 1007.5 | 1010.9 | - | 1009.0 | 1009.1 | - | - | - | - | - | 1003.8 |
| | DAY-HR | 31-23 | 01-01 | 13-13 | 07-12 | - | 19-08 | 09-03 | - | - | - | - | - | FEB |
| | # OBS | 697 | 663 | 711 | 408 | - | 330 | 147 | - | - | - | - | - | 2956 |
| 1997 | MEAN | - | - | - | - | - | 1012.4 | 1015.0 | 1014.8 | 1012.1 | 1015.2 | 1015.2 | 1018.2 | 1014.8 |
| | MAXIMUM | - | - | - | - | - | 1017.9 | 1019.3 | 1018.9 | 1019.7 | 1022.1 | 1025.2 | 1032.0 | 1032.0 |
| | DAY-HR | - | - | - | - | - | 28-19 | 31-20 | 22-17 | 26-19 | 30-18 | 17-18 | 12-05 | DEC |
| | MINIMUM | - | - | - | - | - | 1004.0 | 1012.2 | 1010.1 | 1004.3 | 1009.0 | 1001.8 | 999.3 | 999.3 |
| | DAY-HR | - | - | - | - | - | 07-03 | 10-04 | 31-13 | 25-11 | 06-02 | 26-14 | 06-13 | DEC |
| | # OBS | - | - | - | - | - | 536 | 544 | 730 | 707 | 731 | 699 | 738 | 4685 |
| 1998 | MEAN | 1017.6 | 1014.3 | 1015.7 | 1017.5 | 1016.6 | 1015.9 | 1014.7 | 1014.5 | 1011.5 | 1015.3 | 1018.4 | 1022.5 | 1016.2 |
| | MAXIMUM | 1025.3 | 1025.0 | 1022.7 | 1025.2 | 1022.0 | 1022.6 | 1018.1 | 1019.4 | 1017.5 | 1021.8 | 1024.8 | 1031.0 | 1031.0 |
| | DAY-HR | 14-19 | 10-19 | 01-06 | 08-20 | 15-06 | 13-20 | 07-20 | 13-18 | 23-18 | 23-19 | 24-18 | 10-18 | DEC |
| | MINIMUM | 1007.1 | 988.9 | 1006.1 | 1004.9 | 1005.4 | 1008.3 | 1009.4 | 1008.6 | 1004.7 | 1010.1 | 1004.5 | 1013.7 | 988.9 |
| | DAY-HR | 09-23 | 03-12 | 25-13 | 11-17 | 13-04 | 17-01 | 16-11 | 31-23 | 03-13 | 15-02 | 28-13 | 30-22 | FEB |
| | # OBS | 711 | 664 | 710 | 688 | 708 | 679 | 722 | 776 | 708 | 743 | 717 | 739 | 8565 |
| 1999 | MEAN | 1020.2 | 1022.1 | 1017.6 | 1017.3 | 1016.9 | 1015.1 | 1015.7 | 1014.9 | 1013.2 | 1016.7 | 1020.0 | 1022.4 | 1017.6 |
| | MAXIMUM | 1027.3 | 1030.3 | 1023.9 | 1029.3 | 1020.4 | 1020.7 | 1022.0 | 1020.3 | 1018.1 | 1022.6 | 1028.2 | 1029.8 | 1030.3 |
| | DAY-HR | 28-17 | 10-19 | 28-19 | 09-19 | 31-19 | 05-19 | 23-21 | 17-19 | 25-19 | 28-18 | 24-19 | 24-17 | FEB |
| | MINIMUM | 1009.6 | 1011.4 | 1008.0 | 1008.1 | 1011.9 | 1009.4 | 1009.4 | 1008.5 | 1009.5 | 1010.1 | 1014.1 | 1015.0 | 1008.0 |
| | DAY-HR | 25-10 | 05-00 | 15-11 | 23-10 | 22-12 | 22-14 | 02-03 | 26-16 | 28-01 | 15-13 | 26-23 | 22-01 | MAR |
| | # OBS | 740 | 660 | 717 | 700 | 738 | 720 | 736 | 732 | 715 | 724 | 658 | 743 | 8583 |
| 2000 | MEAN | 1021.7 | 1018.8 | 1017.8 | 1018.0 | 1015.6 | 1014.5 | 1016.3 | 1014.9 | 1013.1 | 1015.2 | 1019.0 | 1020.2 | 1017.1 |
| | MAXIMUM | 1030.2 | 1026.9 | 1027.0 | 1023.4 | 1022.5 | 1020.5 | 1021.1 | 1019.2 | 1019.6 | 1023.4 | 1027.4 | 1028.9 | 1030.2 |
| | DAY-HR | 04-18 | 01-05 | 11-06 | 04-19 | 11-18 | 03-21 | 13-20 | 19-19 | 27-20 | 13-17 | 18-19 | 15-18 | JAN |
| | MINIMUM | 1013.5 | 1003.2 | 1002.4 | 1009.5 | 1011.3 | 1006.2 | 1011.5 | 1010.2 | 1005.4 | 1007.9 | 1009.2 | 1015.2 | 1002.4 |
| | DAY-HR | 15-23 | 20-23 | 05-12 | 17-13 | 22-09 | 17-03 | 26-10 | 14-02 | 22-11 | 22-23 | 06-23 | 08-01 | MAR |
| | # OBS | 724 | 690 | 737 | 692 | 715 | 707 | 739 | 742 | 719 | 728 | 717 | 743 | 8653 |
| 2001 | MEAN | 1020.0 | 1017.5 | 1016.9 | 1018.1 | 1014.9 | 1014.9 | 1015.3 | 1015.2 | 1013.5 | 1016.2 | 1018.0 | 1020.2 | 1016.7 |
| | MAXIMUM | 1028.3 | 1027.8 | 1023.6 | 1026.3 | 1020.4 | 1021.6 | 1019.8 | 1020.4 | 1017.2 | 1022.7 | 1023.8 | 1028.8 | 1028.8 |
| | DAY-HR | 17-19 | 02-19 | 08-19 | 22-19 | 14-19 | 27-19 | 08-18 | 13-18 | 21-18 | 29-19 | 19-19 | 06-08 | DEC |
| | MINIMUM | 1006.7 | 1001.7 | 1007.7 | 1012.1 | 1009.5 | 1009.3 | 1009.8 | 1007.8 | 1007.1 | 1008.0 | 1008.7 | 1010.0 | 1001.7 |
| | DAY-HR | 11-01 | 13-13 | 06-04 | 02-01 | 03-02 | 14-01 | 03-02 | 29-02 | 30-12 | 01-00 | 24-21 | 10-22 | FEB |
| | # OBS | 744 | 672 | 739 | 715 | 741 | 718 | 742 | 739 | 717 | 744 | 719 | 744 | 8734 |
| POR | MEAN | 1018.8 | 1017.6 | 1016.8 | 1016.4 | 1015.2 | 1014.0 | 1014.5 | 1014.3 | 1013.3 | 1015.3 | 1017.5 | 1019.3 | 1016.0 |
| | MAXIMUM | 1032.9 | 1030.3 | 1027.4 | 1029.3 | 1024.6 | 1022.6 | 1022.0 | 1020.9 | 1021.2 | 1023.4 | 1028.4 | 1032.0 | 1032.9 |
| | YEAR | 1989 | 1999 | 1985 | 1999 | 1988 | 1998 | 1999 | 1983 | 1988 | 2000 | 1992 | 1997 | JAN/1989 |
| | MINIMUM | 997.8 | 988.9 | 992.4 | 1002.0 | 1005.4 | 1004.0 | 1007.0 | 1005.2 | 1003.1 | 1004.6 | 1000.6 | 999.3 | 988.9 |
| | YEAR | 1983 | 1998 | 1983 | 1983 | 1998 | 1997 | 1984 | 1995 | 1984 | 1994 | 1982 | 1997 | FEB/1998 |
| | # OBS | 11674 | 10800 | 11713 | 11388 | 11503 | 13299 | 13974 | 14074 | 13549 | 13623 | 11739 | 11677 | 149013 |

STATION: 46023 -- POR (4/1982 - 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1982 | MEAN | - | - | - | 13.4 | 9.9 | 13.8 | 16.9 | 16.6 | 13.3 | 12.8 | 9.5 | 12.6 | 13.6 |
| | MAXIMUM | - | - | - | 27.0 | 19.1 | 28.0 | 27.0 | 24.7 | 26.0 | 25.7 | 31.1 | 29.2 | 31.1 |
| | DAY-HR | - | - | - | 16-05 | 30-07 | 03-05 | 20-12 | 09-10 | 04-11 | 07-23 | 30-18 | 02-03 | NOV |
| | MINIMUM | - | - | - | 0.0 | 1.9 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DAY-HR | - | - | - | 21-08 | 27-16 | 30-03 | 03-20 | 28-17 | 25-15 | 10-09 | 27-15 | 31-21 | DEC |
| | # OBS | - | - | - | 479 | 120 | 718 | 741 | 741 | 718 | 741 | 720 | 743 | 5721 |
| 1983 | MEAN | 10.7 | 13.5 | 13.9 | 13.4 | 17.1 | 15.5 | 18.3 | 15.4 | 12.3 | 12.6 | 14.7 | 16.3 | 14.5 |
| | MAXIMUM | 31.3 | 26.6 | 28.4 | 30.3 | 30.3 | 26.2 | 29.7 | 25.3 | 22.9 | 31.3 | 32.9 | 30.9 | 32.9 |
| | DAY-HR | 29-02 | 02-21 | 01-07 | 03-03 | 09-07 | 15-10 | 09-06 | 26-07 | 02-07 | 13-14 | 21-06 | 01-08 | NOV |
| | MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DAY-HR | 31-17 | 24-08 | 27-20 | 29-15 | 20-19 | 08-10 | 11-20 | 12-12 | 20-07 | 28-11 | 30-02 | 23-10 | DEC |
| | # OBS | 742 | 668 | 732 | 636 | 740 | 711 | 740 | 744 | 718 | 740 | 693 | 614 | 8478 |
| 1984 | MEAN | 12.6 | 17.8 | 19.8 | 23.3 | 21.4 | 21.2 | 15.1 | 16.8 | 13.5 | 19.2 | 14.8 | 16.2 | 17.8 |
| | MAXIMUM | 31.5 | 34.8 | 37.9 | 39.1 | 37.3 | 34.4 | 31.1 | 34.2 | 30.1 | 31.9 | 32.7 | 29.2 | 39.1 |
| | DAY-HR | 11-18 | 25-12 | 30-01 | 26-04 | 15-07 | 10-13 | 25-11 | 31-10 | 20-22 | 15-00 | 19-00 | 12-14 | APR |
| | MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| | DAY-HR | 28-12 | 26-23 | 13-16 | 04-16 | 28-14 | 16-20 | 18-20 | 18-20 | 29-20 | 25-18 | 26-21 | 05-01 | NOV |
| | # OBS | 674 | 693 | 737 | 716 | 736 | 714 | 742 | 737 | 710 | 743 | 716 | 278 | 8196 |
| 1985 | MEAN | 10.3 | 13.0 | 15.3 | 14.5 | 15.8 | 11.8 | 14.0 | 13.8 | 12.0 | 13.9 | 13.2 | 9.2 | 13.1 |
| | MAXIMUM | 23.7 | 29.2 | 32.9 | 32.7 | 27.0 | 26.4 | 27.4 | 26.0 | 25.5 | 27.2 | 26.8 | 27.4 | 32.9 |
| | DAY-HR | 14-10 | 21-02 | 02-17 | 26-01 | 20-09 | 08-09 | 13-09 | 26-08 | 02-14 | 31-10 | 18-05 | 08-13 | MAR |
| | MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| | DAY-HR | 28-16 | 18-05 | 17-20 | 16-12 | 15-20 | 20-16 | 25-13 | 21-18 | 19-04 | 03-21 | 23-10 | 28-04 | DEC |
| | # OBS | 628 | 671 | 737 | 716 | 738 | 707 | 737 | 736 | 715 | 742 | 718 | 743 | 8588 |
| 1986 | MEAN | 11.3 | 13.2 | 11.3 | 13.9 | 15.0 | 14.9 | 11.9 | 14.7 | 12.0 | 12.1 | 13.3 | 10.8 | 12.9 |
| | MAXIMUM | 27.8 | 29.0 | 27.0 | 27.2 | 24.7 | 27.8 | 23.1 | 25.3 | 22.6 | 26.6 | 29.4 | 25.7 | 29.4 |
| | DAY-HR | 30-03 | 14-21 | 10-11 | 02-10 | 22-07 | 03-13 | 20-10 | 23-01 | 09-06 | 31-01 | 29-18 | 24-03 | NOV |
| | MINIMUM | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DAY-HR | 28-11 | 08-09 | 29-22 | 19-17 | 17-20 | 23-15 | 24-19 | 14-21 | 03-00 | 09-06 | 30-15 | 19-06 | DEC |
| | # OBS | 741 | 664 | 735 | 715 | 737 | 716 | 743 | 743 | 717 | 741 | 695 | 741 | 8688 |
| 1987 | MEAN | 13.6 | 12.7 | 13.5 | 14.0 | 14.0 | 12.3 | 14.5 | 10.8 | 15.0 | 12.9 | - | - | 13.4 |
| | MAXIMUM | 32.3 | 30.5 | 29.4 | 27.8 | 25.9 | 24.3 | 28.8 | 22.4 | 27.0 | 22.6 | - | - | 32.3 |
| | DAY-HR | 14-06 | 23-23 | 16-05 | 19-01 | 02-05 | 22-13 | 08-10 | 05-08 | 10-11 | 08-02 | - | - | JAN |
| | MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | - | - | 0.0 |
| | DAY-HR | 02-21 | 28-20 | 31-16 | 01-06 | 15-07 | 29-20 | 09-19 | 30-22 | 17-14 | 11-19 | - | - | OCT |
| | # OBS | 737 | 669 | 725 | 717 | 743 | 716 | 739 | 744 | 679 | 311 | - | - | 6780 |
| 1988 | MEAN | 8.8 | 10.7 | 15.6 | 11.7 | 16.8 | 13.1 | 12.3 | 11.6 | 12.4 | 11.4 | 14.4 | 11.6 | 12.8 |
| | MAXIMUM | 21.4 | 23.3 | 27.2 | 29.2 | 33.0 | 28.0 | 27.6 | 27.4 | 25.3 | 27.6 | 31.3 | 26.0 | 33.0 |
| | DAY-HR | 31-10 | 29-07 | 27-19 | 30-22 | 01-01 | 28-09 | 16-06 | 16-02 | 03-05 | 11-06 | 29-01 | 25-14 | MAY |
| | MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.2 | 0.2 | 0.8 | 0.0 | 0.2 | 0.0 | 0.4 | 0.0 |
| | DAY-HR | 29-20 | 26-21 | 31-17 | 28-20 | 07-16 | 25-15 | 18-18 | 02-20 | 12-20 | 16-20 | 13-11 | 31-21 | NOV |
| | # OBS | 103 | 695 | 741 | 720 | 742 | 706 | 742 | 741 | 713 | 744 | 717 | 738 | 8102 |
| 1989 | MEAN | 13.2 | 14.8 | 16.1 | 12.6 | 17.3 | 14.3 | 16.9 | 13.4 | 15.4 | 12.4 | 11.5 | 9.4 | 13.9 |
| | MAXIMUM | 30.5 | 36.5 | 28.8 | 25.5 | 28.0 | 27.4 | 30.1 | 26.2 | 26.2 | 25.5 | 27.4 | 26.8 | 36.5 |
| | DAY-HR | 25-08 | 08-16 | 14-13 | 04-13 | 24-10 | 13-14 | 15-07 | 01-06 | 12-02 | 15-22 | 27-07 | 06-02 | FEB |
| | MINIMUM | 0.2 | 0.0 | 1.2 | 0.4 | 0.0 | 0.2 | 0.2 | 1.7 | 0.4 | 0.2 | 1.4 | 0.0 | 0.0 |
| | DAY-HR | 26-17 | 03-20 | 25-12 | 08-21 | 07-03 | 25-16 | 07-12 | 22-18 | 14-16 | 18-20 | 15-14 | 08-16 | DEC |
| | # OBS | 742 | 669 | 740 | 720 | 734 | 699 | 733 | 738 | 717 | 744 | 715 | 739 | 8690 |
| 1990 | MEAN | 14.6 | 20.6 | - | - | 10.7 | 17.6 | 15.8 | 14.3 | 16.3 | 12.8 | 13.0 | 13.4 | 14.7 |
| | MAXIMUM | 34.2 | 33.4 | - | - | 16.3 | 28.2 | 26.0 | 26.0 | 26.4 | 25.7 | 30.9 | 33.0 | 34.2 |
| | DAY-HR | 27-13 | 01-13 | - | - | 31-23 | 28-12 | 24-08 | 13-07 | 11-18 | 20-00 | 26-11 | 20-13 | JAN |
| | MINIMUM | 0.0 | 6.8 | - | - | 1.7 | 1.0 | 0.2 | 0.0 | 0.0 | 0.8 | 0.2 | 0.2 | 0.0 |
| | DAY-HR | 24-20 | 03-10 | - | - | 27-17 | 09-13 | 16-11 | 03-11 | 23-04 | 24-19 | 12-11 | 11-03 | SEP |
| | # OBS | 744 | 60 | - | - | 126 | 713 | 737 | 743 | 715 | 742 | 717 | 741 | 6038 |
| 1991 | MEAN | 11.1 | 13.9 | 14.1 | 17.8 | 17.9 | 14.4 | 11.3 | 16.2 | 11.6 | 13.2 | 13.7 | 10.6 | 13.8 |
| | MAXIMUM | 28.4 | 30.3 | 33.0 | 35.8 | 29.5 | 27.2 | 23.9 | 27.2 | 26.2 | 27.4 | 32.1 | 30.5 | 35.8 |
| | DAY-HR | 16-04 | 27-21 | 19-06 | 11-02 | 09-11 | 20-03 | 14-09 | 31-05 | 01-07 | 27-13 | 30-00 | 27-23 | APR |
| | MINIMUM | 0.6 | 0.2 | 0.4 | 1.6 | 1.7 | 1.0 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.2 |
| | DAY-HR | 29-19 | 15-03 | 26-07 | 19-19 | 24-19 | 06-16 | 31-13 | 12-06 | 06-11 | 31-21 | 23-09 | 16-19 | SEP |
| | # OBS | 742 | 672 | 742 | 718 | 744 | 719 | 741 | 740 | 719 | 742 | 716 | 741 | 8736 |
| 1992 | MEAN | 12.4 | 11.5 | 12.5 | 16.2 | 11.4 | 12.6 | 14.0 | 15.0 | 14.5 | 10.9 | 13.2 | 10.5 | 12.9 |
| | MAXIMUM | 27.4 | 29.5 | 29.5 | 29.4 | 26.0 | 24.9 | 24.5 | 24.3 | 24.5 | 22.0 | 25.1 | 23.9 | 29.5 |
| | DAY-HR | 11-18 | 10-00 | 02-11 | 18-12 | 01-08 | 13-23 | 19-11 | 01-04 | 05-05 | 22-07 | 23-14 | 06-17 | MAR |
| | MINIMUM | 0.4 | 0.2 | 0.4 | 0.6 | 0.2 | 0.4 | 0.6 | 0.4 | 0.6 | 0.6 | 0.2 | 0.0 | 0.0 |
| | DAY-HR | 16-10 | 19-12 | 30-19 | 12-13 | 31-17 | 22-02 | 10-13 | 25-14 | 14-16 | 26-06 | 30-18 | 26-06 | DEC |
| | # OBS | 740 | 689 | 737 | 719 | 742 | 716 | 741 | 738 | 714 | 736 | 706 | 742 | 8720 |
| 1993 | MEAN | 11.6 | 11.9 | 13.7 | 18.6 | 12.1 | 14.5 | 12.5 | - | - | - | - | - | 13.6 |
| | MAXIMUM | 33.0 | 28.2 | 27.0 | 27.8 | 27.8 | 27.4 | 26.4 | - | - | - | - | - | 33.0 |
| | DAY-HR | 12-21 | 18-10 | 21-09 | 02-08 | 08-13 | 22-21 | 22-13 | - | - | - | - | - | JAN |
| | MINIMUM | 0.0 | 0.4 | 0.8 | 0.8 | 0.0 | 0.4 | 0.2 | - | - | - | - | - | 0.0 |
| | DAY-HR | 20-13 | 03-13 | 26-05 | 17-21 | 26-01 | 19-19 | 05-13 | - | - | - | - | - | MAY |
| | # OBS | 731 | 636 | 729 | 720 | 738 | 718 | 535 | - | - | - | - | - | 4807 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | MEAN | - | - | - | - | - | 20.1 | 13.9 | 17.1 | 14.0 | 12.7 | 5.4 | - | 15.0 |
| | MAXIMUM | - | - | - | - | - | 25.5 | 25.1 | 26.0 | 23.5 | 29.0 | 5.4 | - | 29.0 |
| | DAY-HR | - | - | - | - | - | 28-07 | 02-23 | 05-05 | 03-00 | 13-06 | 01-00 | - | OCT |
| | MINIMUM | - | - | - | - | - | 9.3 | 0.2 | 1.6 | 0.2 | 0.4 | 5.4 | - | 0.2 |
| | DAY-HR | - | - | - | - | - | 30-17 | 06-17 | 17-14 | 21-11 | 23-09 | 01-00 | - | SEP |
| | # OBS | - | - | - | - | - | 364 | 740 | 741 | 718 | 738 | 1 | - | 3302 |
| 1995 | MEAN | - | 9.8 | 14.2 | 18.0 | 14.3 | 16.0 | 14.8 | 16.2 | 16.5 | 11.0 | 13.1 | 16.9 | 14.7 |
| | MAXIMUM | - | 24.7 | 31.1 | 35.8 | 23.9 | 32.7 | 29.2 | 26.0 | 29.2 | 27.2 | 31.3 | 31.1 | 35.8 |
| | DAY-HR | - | 15-03 | 10-19 | 19-02 | 27-04 | 05-23 | 29-11 | 26-01 | 14-06 | 17-03 | 27-08 | 24-19 | APR |
| | MINIMUM | - | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 | 0.6 | 0.4 | 0.0 | 0.0 | 0.2 | 0.0 |
| | DAY-HR | - | 12-11 | 08-07 | 18-09 | 31-17 | 23-20 | 08-01 | 15-13 | 27-18 | 14-17 | 07-16 | 22-13 | NOV |
| | # OBS | - | 504 | 740 | 513 | 340 | 700 | 722 | 729 | 707 | 740 | 708 | 716 | 7119 |
| 1996 | MEAN | 13.9 | 11.9 | 13.1 | 15.9 | - | 19.4 | 9.9 | - | - | - | - | - | 14.0 |
| | MAXIMUM | 31.5 | 31.9 | 30.9 | 32.5 | - | 28.8 | 18.7 | - | - | - | - | - | 32.5 |
| | DAY-HR | 22-17 | 07-13 | 23-09 | 10-21 | - | 18-08 | 14-02 | - | - | - | - | - | APR |
| | MINIMUM | 0.4 | 0.0 | 0.0 | 0.0 | - | 2.1 | 0.6 | - | - | - | - | - | 0.0 |
| | DAY-HR | 29-21 | 11-06 | 07-21 | 14-19 | - | 27-17 | 09-20 | - | - | - | - | - | APR |
| | # OBS | 684 | 659 | 703 | 400 | - | 330 | 123 | - | - | - | - | - | 2899 |
| 1997 | MEAN | - | - | - | - | - | 14.3 | 8.5 | 13.8 | 14.6 | 14.1 | 10.8 | 14.7 | 13.1 |
| | MAXIMUM | - | - | - | - | - | 32.7 | 23.3 | 26.6 | 28.6 | 35.6 | 28.0 | 36.2 | 36.2 |
| | DAY-HR | - | - | - | - | - | 06-03 | 18-14 | 29-01 | 12-02 | 07-03 | 30-18 | 06-05 | DEC |
| | MINIMUM | - | - | - | - | - | 0.0 | 0.0 | 0.4 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 |
| | DAY-HR | - | - | - | - | - | 15-18 | 13-18 | 19-15 | 29-04 | 15-19 | 23-12 | 30-06 | NOV |
| | # OBS | - | - | - | - | - | 536 | 544 | 733 | 708 | 732 | 699 | 738 | 4690 |
| 1998 | MEAN | 12.1 | 16.7 | 13.7 | 14.6 | 15.7 | 10.5 | 13.3 | 13.6 | 10.5 | 15.2 | 14.9 | 14.5 | 13.8 |
| | MAXIMUM | 28.2 | 48.4 | 29.7 | 32.3 | 28.0 | 29.2 | 29.2 | 26.2 | 29.7 | 34.2 | 30.7 | 31.7 | 48.4 |
| | DAY-HR | 09-21 | 06-11 | 28-13 | 25-05 | 01-19 | 30-23 | 27-21 | 24-00 | 19-00 | 10-03 | 06-02 | 06-14 | FEB |
| | MINIMUM | 0.2 | 0.2 | 0.0 | 0.0 | 1.0 | 0.2 | 0.4 | 0.6 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| | DAY-HR | 12-10 | 20-05 | 21-13 | 21-18 | 29-03 | 17-10 | 25-10 | 02-17 | 27-17 | 28-02 | 27-17 | 19-10 | DEC |
| | # OBS | 711 | 663 | 710 | 688 | 708 | 678 | 729 | 785 | 712 | 743 | 718 | 740 | 8585 |
| 1999 | MEAN | 12.4 | 14.2 | 15.8 | 16.0 | 18.8 | 15.8 | 13.6 | 13.7 | 8.8 | 10.9 | 11.4 | 12.3 | 13.7 |
| | MAXIMUM | 28.2 | 29.9 | 34.8 | 40.6 | 34.4 | 31.1 | 28.6 | 29.4 | 27.0 | 28.6 | 31.1 | 30.7 | 40.6 |
| | DAY-HR | 13-00 | 10-04 | 19-14 | 04-03 | 09-01 | 09-01 | 25-00 | 31-04 | 01-04 | 07-03 | 21-21 | 08-03 | APR |
| | MINIMUM | 0.6 | 0.2 | 0.4 | 0.0 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.4 | 0.0 |
| | DAY-HR | 23-10 | 20-14 | 24-12 | 24-04 | 31-04 | 22-12 | 08-16 | 23-13 | 27-09 | 30-17 | 28-09 | 20-19 | NOV |
| | # OBS | 740 | 660 | 718 | 718 | 742 | 719 | 740 | 740 | 715 | 724 | 658 | 743 | 8617 |
| 2000 | MEAN | 13.3 | 12.0 | 16.4 | 15.2 | 15.9 | 11.9 | 16.5 | 13.0 | 12.3 | 11.1 | 14.4 | 10.3 | 13.5 |
| | MAXIMUM | 28.2 | 31.3 | 34.6 | 34.6 | 33.6 | 29.4 | 30.7 | 28.4 | 28.4 | 30.9 | 29.0 | 25.3 | 34.6 |
| | DAY-HR | 02-13 | 20-23 | 20-04 | 17-06 | 11-03 | 11-02 | 19-20 | 20-11 | 16-06 | 22-01 | 06-21 | 16-00 | APR |
| | MINIMUM | 0.0 | 0.4 | 0.2 | 0.0 | 1.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.8 | 0.2 | 0.2 | 0.0 |
| | DAY-HR | 20-07 | 04-03 | 23-10 | 14-06 | 14-06 | 17-02 | 12-08 | 28-16 | 02-14 | 29-19 | 30-01 | 26-23 | AUG |
| | # OBS | 724 | 690 | 737 | 692 | 715 | 708 | 740 | 743 | 718 | 730 | 718 | 742 | 8657 |
| 2001 | MEAN | 11.1 | 13.0 | 15.7 | 17.6 | 10.9 | 14.5 | 11.9 | 14.4 | 12.0 | 9.8 | 13.0 | 13.7 | 13.1 |
| | MAXIMUM | 33.4 | 35.4 | 41.8 | 31.7 | 29.7 | 30.9 | 24.1 | 28.2 | 30.7 | 29.7 | 28.8 | 37.3 | 41.8 |
| | DAY-HR | 10-20 | 07-00 | 04-17 | 03-05 | 01-19 | 13-03 | 14-12 | 24-20 | 28-23 | 24-00 | 24-19 | 29-16 | MAR |
| | MINIMUM | 0.0 | 0.2 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 |
| | DAY-HR | 06-01 | 13-00 | 22-20 | 19-10 | 27-11 | 27-14 | 25-12 | 09-17 | 30-18 | 30-02 | 08-08 | 18-00 | NOV |
| | # OBS | 744 | 672 | 739 | 717 | 743 | 718 | 740 | 738 | 715 | 744 | 718 | 744 | 8732 |
| POR | MEAN | 12.3 | 13.3 | 14.7 | 15.7 | 15.6 | 14.7 | 14.1 | 14.5 | 13.2 | 12.7 | 13.1 | 12.5 | 13.8 |
| | MAXIMUM | 34.2 | 48.4 | 41.8 | 40.6 | 37.3 | 34.4 | 31.1 | 34.2 | 30.7 | 35.6 | 32.9 | 37.3 | 48.4 |
| | YEAR | 1990 | 1998 | 2001 | 1999 | 1984 | 1984 | 1984 | 1984 | 2001 | 1997 | 1983 | 2001 | FEB/1998 |
| | MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | YEAR | 2001 | 1996 | 2001 | 2000 | 2001 | 2001 | 2001 | 2000 | 2001 | 2001 | 2001 | 1998 | NOV/2001 |
| | # OBS | 10927 | 10634 | 11702 | 11304 | 10888 | 13306 | 13749 | 13354 | 12828 | 12877 | 11333 | 11243 | 144145 |

STATION: 46023 -- POR (4/1982 - 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1982 | MEAN | - | - | - | 16.5 | 12.7 | 17.1 | 20.6 | 20.3 | 16.4 | 15.7 | 12.1 | 16.0 | 16.8 |
| | MAXIMUM | - | - | - | 33.8 | 25.7 | 33.8 | 32.9 | 31.3 | 32.1 | 31.7 | 37.7 | 38.5 | 38.5 |
| | DAY-HR | - | - | - | 16-03 | 30-07 | 03-05 | 21-13 | 10-21 | 04-12 | 07-23 | 30-18 | 01-15 | DEC |
| | # OBS | - | - | - | 479 | 120 | 718 | 741 | 741 | 718 | 741 | 720 | 743 | 5721 |
| 1983 | MEAN | 13.8 | 17.1 | 17.6 | 16.8 | 21.7 | 19.4 | 22.6 | 18.9 | 15.2 | 15.6 | 18.3 | 20.3 | 18.1 |
| | MAXIMUM | 41.8 | 31.5 | 36.4 | 37.7 | 38.5 | 34.2 | 39.1 | 32.9 | 28.2 | 38.3 | 45.5 | 43.9 | 45.5 |
| | DAY-HR | 29-01 | 02-13 | 01-07 | 04-01 | 10-08 | 30-07 | 09-05 | 10-02 | 02-07 | 13-14 | 21-06 | 01-12 | NOV |
| | # OBS | 742 | 668 | 729 | 636 | 740 | 711 | 740 | 744 | 718 | 740 | 693 | 614 | 8475 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1984 | MEAN | 15.9 | 22.7 | 24.8 | 29.3 | 26.7 | 26.4 | 18.9 | 20.7 | 16.5 | 23.6 | 18.6 | 20.3 | 22.2 |
| | MAXIMUM | 41.0 | 43.9 | 47.8 | 51.7 | 47.4 | 42.4 | 39.5 | 42.0 | 36.0 | 40.6 | 40.4 | 37.3 | 51.7 |
| | DAY-HR | 11-18 | 25-12 | 27-07 | 26-04 | 15-03 | 10-13 | 25-13 | 31-09 | 01-00 | 15-00 | 04-00 | 12-11 | APR |
| | # OBS | 674 | 693 | 737 | 716 | 736 | 714 | 742 | 737 | 709 | 743 | 716 | 278 | 8195 |
| 1985 | MEAN | 12.8 | 16.1 | 19.0 | 17.9 | 19.4 | 14.4 | 16.9 | 16.9 | 14.6 | 17.0 | 16.4 | 11.5 | 16.1 |
| | MAXIMUM | 28.6 | 36.5 | 43.0 | 43.4 | 32.5 | 34.0 | 34.4 | 34.2 | 31.9 | 32.5 | 34.2 | 34.4 | 43.4 |
| | DAY-HR | 14-11 | 21-00 | 02-17 | 26-01 | 20-06 | 09-02 | 13-10 | 25-12 | 02-14 | 31-10 | 17-10 | 08-13 | APR |
| | # OBS | 628 | 671 | 737 | 716 | 738 | 707 | 736 | 736 | 715 | 742 | 718 | 743 | 8587 |
| 1986 | MEAN | 13.9 | 16.5 | 14.0 | 17.2 | 18.6 | 18.3 | 14.5 | 18.1 | 14.7 | 15.0 | 16.5 | 13.6 | 15.9 |
| | MAXIMUM | 36.5 | 39.7 | 36.4 | 35.4 | 30.9 | 32.7 | 29.4 | 30.7 | 28.4 | 34.0 | 37.5 | 32.5 | 39.7 |
| | DAY-HR | 30-02 | 14-23 | 10-11 | 02-10 | 22-07 | 03-12 | 20-10 | 23-01 | 06-07 | 31-00 | 29-18 | 24-03 | FEB |
| | # OBS | 741 | 664 | 734 | 715 | 737 | 716 | 743 | 743 | 717 | 741 | 695 | 741 | 8687 |
| 1987 | MEAN | 17.2 | 16.0 | 16.8 | 17.5 | 17.5 | 15.5 | 17.8 | 13.1 | 18.5 | 15.8 | - | - | 16.6 |
| | MAXIMUM | 41.8 | 41.6 | 37.7 | 36.5 | 33.2 | 32.1 | 35.0 | 26.6 | 34.0 | 28.0 | - | - | 41.8 |
| | DAY-HR | 14-06 | 23-23 | 16-05 | 19-04 | 03-01 | 22-10 | 08-10 | 05-08 | 10-11 | 02-11 | - | - | JAN |
| | # OBS | 737 | 669 | 725 | 717 | 743 | 716 | 739 | 744 | 679 | 311 | - | - | 6780 |
| 1988 | MEAN | 11.4 | 13.9 | 19.7 | 15.1 | 21.1 | 16.2 | 15.3 | 14.4 | 15.5 | 14.3 | 17.9 | 14.5 | 16.1 |
| | MAXIMUM | 27.2 | 29.2 | 35.0 | 36.9 | 40.8 | 36.7 | 34.6 | 35.4 | 31.7 | 34.0 | 39.1 | 33.2 | 40.8 |
| | DAY-HR | 31-08 | 18-15 | 24-22 | 30-14 | 01-05 | 28-09 | 16-03 | 15-23 | 03-04 | 11-06 | 29-01 | 16-20 | MAY |
| | # OBS | 102 | 695 | 741 | 720 | 742 | 706 | 742 | 741 | 713 | 744 | 717 | 738 | 8101 |
| 1989 | MEAN | 16.5 | 18.6 | 19.9 | 15.5 | 21.5 | 17.7 | 21.0 | 16.7 | 19.0 | 15.4 | 14.4 | 11.7 | 17.3 |
| | MAXIMUM | 38.3 | 46.3 | 37.5 | 32.9 | 35.8 | 35.4 | 38.1 | 33.8 | 30.9 | 34.0 | 35.4 | 32.7 | 46.3 |
| | DAY-HR | 11-03 | 08-11 | 14-03 | 03-22 | 09-13 | 13-02 | 15-07 | 01-06 | 12-02 | 28-03 | 27-07 | 06-02 | FEB |
| | # OBS | 742 | 669 | 740 | 716 | 734 | 699 | 731 | 738 | 717 | 744 | 715 | 738 | 8683 |
| 1990 | MEAN | 18.2 | 26.2 | - | - | 12.6 | 21.5 | 19.0 | 17.5 | 19.7 | 15.5 | 15.8 | 16.6 | 17.9 |
| | MAXIMUM | 42.2 | 45.7 | - | - | 19.4 | 35.0 | 33.6 | 32.9 | 32.5 | 31.9 | 39.3 | 43.2 | 45.7 |
| | DAY-HR | 27-13 | 01-13 | - | - | 31-23 | 29-08 | 24-08 | 17-13 | 11-18 | 20-00 | 26-13 | 20-13 | FEB |
| | # OBS | 744 | 60 | - | - | 126 | 713 | 737 | 743 | 715 | 742 | 717 | 741 | 6038 |
| 1991 | MEAN | 13.7 | 17.0 | 17.7 | 21.9 | 21.8 | 17.7 | 14.0 | 19.9 | 14.5 | 16.5 | 17.3 | 13.7 | 17.1 |
| | MAXIMUM | 36.9 | 39.1 | 40.6 | 47.2 | 37.9 | 33.6 | 29.7 | 33.2 | 31.9 | 34.0 | 42.6 | 40.2 | 47.2 |
| | DAY-HR | 16-04 | 17-22 | 19-06 | 11-02 | 18-05 | 20-03 | 14-04 | 21-13 | 01-06 | 27-14 | 29-22 | 27-22 | APR |
| | # OBS | 742 | 672 | 742 | 718 | 744 | 719 | 741 | 740 | 719 | 742 | 715 | 741 | 8735 |
| 1992 | MEAN | 15.7 | 14.7 | 15.8 | 20.0 | 14.2 | 15.7 | 17.3 | 18.5 | 18.1 | 13.8 | 16.5 | 13.6 | 16.2 |
| | MAXIMUM | 35.0 | 37.9 | 39.3 | 35.4 | 32.9 | 32.1 | 31.3 | 29.9 | 31.3 | 28.4 | 32.5 | 30.3 | 39.3 |
| | DAY-HR | 11-18 | 10-00 | 02-11 | 18-12 | 01-08 | 14-07 | 19-11 | 22-23 | 25-06 | 22-07 | 20-14 | 06-17 | MAR |
| | # OBS | 740 | 689 | 737 | 719 | 742 | 716 | 741 | 738 | 713 | 734 | 704 | 740 | 8713 |
| 1993 | MEAN | 14.8 | 15.2 | 17.4 | 23.3 | 15.2 | 18.2 | 15.8 | - | - | - | - | - | 17.2 |
| | MAXIMUM | 41.8 | 37.3 | 34.2 | 36.0 | 36.4 | 35.2 | 35.0 | - | - | - | - | - | 41.8 |
| | DAY-HR | 12-21 | 08-04 | 21-09 | 02-08 | 08-04 | 22-21 | 22-03 | - | - | - | - | - | JAN |
| | # OBS | 731 | 632 | 729 | 720 | 738 | 714 | 533 | - | - | - | - | - | 4797 |
| 1994 | MEAN | - | - | - | - | - | 24.3 | 16.9 | 20.7 | 17.0 | 15.5 | 7.4 | - | 18.3 |
| | MAXIMUM | - | - | - | - | - | 31.3 | 29.7 | 31.1 | 29.5 | 35.0 | 7.4 | - | 35.0 |
| | DAY-HR | - | - | - | - | - | 28-08 | 02-22 | 05-07 | 10-14 | 15-05 | 01-00 | - | OCT |
| | # OBS | - | - | - | - | - | 364 | 740 | 741 | 718 | 738 | 1 | - | 3302 |
| 1995 | MEAN | - | 11.9 | 17.1 | 21.5 | 17.2 | 19.3 | 17.7 | 19.3 | 19.8 | 13.5 | 15.9 | 20.4 | 17.7 |
| | MAXIMUM | - | 29.4 | 40.4 | 43.2 | 28.0 | 39.5 | 35.8 | 30.9 | 35.0 | 34.4 | 38.1 | 40.6 | 43.2 |
| | DAY-HR | - | 15-03 | 10-17 | 19-02 | 28-10 | 05-22 | 29-11 | 26-01 | 14-06 | 17-03 | 27-08 | 25-14 | APR |
| | # OBS | - | 504 | 731 | 504 | 339 | 697 | 721 | 728 | 707 | 740 | 707 | 713 | 7091 |
| 1996 | MEAN | 16.6 | 14.6 | 15.8 | 19.2 | - | 23.1 | 12.0 | - | - | - | - | - | 16.9 |
| | MAXIMUM | 39.1 | 37.9 | 39.1 | 37.3 | - | 34.4 | 23.5 | - | - | - | - | - | 39.1 |
| | DAY-HR | 22-17 | 07-13 | 12-23 | 10-21 | - | 18-08 | 17-04 | - | - | - | - | - | MAR |
| | # OBS | 677 | 651 | 699 | 396 | - | 328 | 118 | - | - | - | - | - | 2869 |
| 1997 | MEAN | - | - | - | - | - | 17.5 | 10.6 | 16.5 | 17.5 | 17.1 | 13.6 | 18.0 | 16.0 |
| | MAXIMUM | - | - | - | - | - | 41.8 | 28.4 | 33.6 | 35.6 | 43.0 | 36.0 | 46.3 | 46.3 |
| | DAY-HR | - | - | - | - | - | 06-03 | 18-13 | 22-23 | 12-02 | 07-03 | 26-17 | 06-05 | DEC |
| | # OBS | - | - | - | - | - | 536 | 544 | 728 | 708 | 732 | 699 | 738 | 4685 |
| 1998 | MEAN | 15.1 | 21.0 | 16.7 | 17.8 | 18.8 | 12.9 | 16.1 | 16.6 | 12.9 | 18.3 | 18.1 | 17.8 | 16.8 |
| | MAXIMUM | 34.0 | 62.4 | 36.7 | 41.0 | 33.4 | 34.0 | 36.4 | 31.5 | 36.4 | 41.8 | 37.9 | 39.9 | 62.4 |
| | DAY-HR | 09-21 | 06-11 | 28-20 | 25-05 | 01-19 | 30-23 | 02-02 | 24-00 | 19-02 | 10-03 | 06-02 | 21-03 | FEB |
| | # OBS | 711 | 662 | 710 | 683 | 705 | 677 | 729 | 784 | 712 | 743 | 718 | 740 | 8574 |
| 1999 | MEAN | 15.1 | 17.2 | 19.2 | 19.5 | 22.6 | 19.2 | 16.4 | 16.6 | 11.0 | 13.4 | 13.9 | 14.9 | 16.6 |
| | MAXIMUM | 35.0 | 36.9 | 42.0 | 50.7 | 42.2 | 37.3 | 34.2 | 35.2 | 32.1 | 34.0 | 37.7 | 37.9 | 50.7 |
| | DAY-HR | 01-03 | 22-01 | 19-14 | 04-03 | 09-01 | 09-01 | 25-00 | 31-04 | 01-04 | 07-04 | 21-20 | 08-03 | APR |
| | # OBS | 739 | 660 | 717 | 718 | 741 | 719 | 738 | 737 | 713 | 724 | 658 | 743 | 8607 |
| 2000 | MEAN | 16.0 | 15.1 | 19.9 | 18.5 | 19.0 | 14.5 | 19.8 | 15.7 | 14.9 | 13.7 | 17.4 | 12.6 | 16.4 |
| | MAXIMUM | 36.5 | 41.2 | 44.1 | 41.2 | 43.0 | 36.2 | 36.5 | 33.4 | 34.0 | 36.2 | 35.4 | 30.9 | 44.1 |
| | DAY-HR | 02-13 | 20-23 | 17-03 | 24-01 | 11-03 | 11-02 | 20-00 | 20-11 | 05-03 | 22-01 | 06-22 | 23-02 | MAR |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | # OBS | 724 | 690 | 737 | 692 | 715 | 706 | 737 | 742 | 718 | 728 | 717 | 743 | 8649 |
| 2001 | MEAN | 13.9 | 15.9 | 19.2 | 21.1 | 13.5 | 17.4 | 14.5 | 17.4 | 14.8 | 12.2 | 16.0 | 16.9 | 16.0 |
| | MAXIMUM | 41.6 | 45.7 | 51.1 | 37.3 | 36.7 | 38.5 | 29.2 | 35.8 | 38.3 | 35.8 | 35.0 | 44.7 | 51.1 |
| | DAY-HR | 10-20 | 07-00 | 04-17 | 03-05 | 01-20 | 13-03 | 14-11 | 25-00 | 28-23 | 23-21 | 24-19 | 29-16 | MAR |
| | # OBS | 744 | 672 | 736 | 716 | 742 | 717 | 740 | 737 | 715 | 744 | 718 | 744 | 8725 |
| POR | MEAN | 15.3 | 16.6 | 18.2 | 19.4 | 19.2 | 18.0 | 17.2 | 17.6 | 16.1 | 15.7 | 16.2 | 15.5 | 17.1 |
| | MAXIMUM | 42.2 | 62.4 | 51.1 | 51.7 | 47.4 | 42.4 | 39.5 | 42.0 | 38.3 | 43.0 | 45.5 | 46.3 | 62.4 |
| | YEAR | 1990 | 1998 | 2001 | 1984 | 1984 | 1984 | 1984 | 1984 | 2001 | 1997 | 1983 | 1997 | FEB/1998 |
| | # OBS | 10918 | 10621 | 11681 | 11281 | 10882 | 13293 | 13733 | 13342 | 12824 | 12873 | 11328 | 11238 | 144014 |

STATION: 46023 -- POR (12/1995 - 6/2001)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1995 | MEAN | - | - | - | - | - | - | - | - | - | - | - | 31.5 | 31.5 |
| | MAXIMUM | - | - | - | - | - | - | - | - | - | - | - | 31.5 | 31.5 |
| | DAY-HR | - | - | - | - | - | - | - | - | - | - | - | 31-23 | DEC |
| | MINIMUM | - | - | - | - | - | - | - | - | - | - | - | 31.5 | 31.5 |
| | DAY-HR | - | - | - | - | - | - | - | - | - | - | - | 31-23 | DEC |
| | # OBS | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| 1996 | MEAN | 18.2 | 16.2 | 17.2 | 20.7 | - | 24.3 | - | - | - | - | - | - | 18.5 |
| | MAXIMUM | 41.4 | 39.1 | 39.1 | 38.3 | - | 35.2 | - | - | - | - | - | - | 41.4 |
| | DAY-HR | 22-16 | 07-13 | 12-22 | 13-01 | - | 18-10 | - | - | - | - | - | - | JAN |
| | MINIMUM | 2.1 | 1.2 | 2.1 | 2.1 | - | 3.5 | - | - | - | - | - | - | 1.2 |
| | DAY-HR | 30-04 | 11-05 | 07-22 | 16-17 | - | 27-16 | - | - | - | - | - | - | FEB |
| | # OBS | 676 | 674 | 692 | 390 | - | 321 | - | - | - | - | - | - | 2753 |
| 1997 | MEAN | - | - | - | - | - | 18.9 | 12.0 | 17.7 | 18.9 | 18.5 | 15.2 | 19.9 | 17.5 |
| | MAXIMUM | - | - | - | - | - | 43.2 | 29.0 | 33.6 | 35.6 | 45.3 | 43.4 | 46.7 | 46.7 |
| | DAY-HR | - | - | - | - | - | 06-03 | 18-12 | 22-22 | 12-01 | 07-02 | 26-15 | 06-03 | DEC |
| | MINIMUM | - | - | - | - | - | 1.6 | 1.9 | 1.7 | 1.7 | 1.9 | 1.2 | 2.3 | 1.2 |
| | DAY-HR | - | - | - | - | - | 15-17 | 29-15 | 19-15 | 29-03 | 16-17 | 23-11 | 15-05 | NOV |
| | # OBS | - | - | - | - | - | 535 | 541 | 706 | 707 | 731 | 699 | 737 | 4656 |
| 1998 | MEAN | 16.7 | 23.2 | 18.4 | 19.4 | 20.3 | 14.3 | 17.4 | 17.8 | 14.2 | 19.8 | 19.7 | 19.5 | 18.4 |
| | MAXIMUM | 36.5 | 67.5 | 45.3 | 42.0 | 34.4 | 34.4 | 36.4 | 34.4 | 37.9 | 41.8 | 38.3 | 40.8 | 67.5 |
| | DAY-HR | 09-20 | 03-08 | 28-11 | 25-04 | 01-17 | 30-22 | 02-02 | 23-23 | 18-23 | 10-02 | 06-02 | 06-08 | FEB |
| | MINIMUM | 1.7 | 2.9 | 2.3 | 1.9 | 2.7 | 2.1 | 2.5 | 3.7 | 1.7 | 2.9 | 2.9 | 2.1 | 1.7 |
| | DAY-HR | 07-20 | 13-02 | 22-13 | 04-23 | 29-02 | 15-13 | 20-10 | 02-16 | 27-17 | 28-01 | 10-15 | 19-09 | SEP |
| | # OBS | 711 | 661 | 710 | 685 | 707 | 678 | 729 | 782 | 711 | 740 | 740 | 739 | 8593 |
| 1999 | MEAN | 16.6 | 18.8 | 20.9 | 21.0 | 24.2 | 20.6 | 17.6 | 18.1 | 12.3 | 14.8 | 15.3 | 16.4 | 18.1 |
| | MAXIMUM | 39.3 | 38.7 | 42.0 | 52.7 | 44.9 | 39.5 | 36.4 | 36.9 | 34.0 | 36.0 | 38.1 | 39.5 | 52.7 |
| | DAY-HR | 26-12 | 10-04 | 19-13 | 04-02 | 09-01 | 28-18 | 24-23 | 31-04 | 01-07 | 07-04 | 21-20 | 07-20 | APR |
| | MINIMUM | 3.5 | 3.5 | 2.9 | 3.5 | 2.3 | 2.7 | 1.9 | 2.5 | 2.3 | 2.3 | 2.1 | 2.9 | 1.9 |
| | DAY-HR | 29-22 | 12-20 | 18-11 | 30-13 | 30-15 | 29-16 | 01-16 | 10-19 | 02-18 | 10-12 | 19-03 | 31-19 | JUL |
| | # OBS | 739 | 660 | 717 | 718 | 742 | 719 | 736 | 732 | 715 | 723 | 659 | 743 | 8603 |
| 2000 | MEAN | 17.5 | 17.0 | 21.4 | 20.0 | 20.6 | 15.8 | 21.1 | 17.0 | 16.2 | 15.4 | 19.0 | 14.0 | 17.9 |
| | MAXIMUM | 38.7 | 43.0 | 46.1 | 45.1 | 44.1 | 39.1 | 38.3 | 35.0 | 34.8 | 36.7 | 38.3 | 31.5 | 46.1 |
| | DAY-HR | 02-05 | 21-13 | 05-20 | 17-05 | 11-02 | 11-01 | 19-22 | 21-01 | 16-05 | 21-23 | 06-12 | 24-06 | MAR |
| | MINIMUM | 2.5 | 2.9 | 3.5 | 2.1 | 2.1 | 3.1 | 2.1 | 3.1 | 2.7 | 2.9 | 2.5 | 2.9 | 2.1 |
| | DAY-HR | 20-06 | 18-22 | 07-09 | 14-06 | 14-05 | 18-21 | 12-07 | 31-17 | 02-14 | 06-20 | 30-00 | 26-22 | JUL |
| | # OBS | 724 | 690 | 736 | 692 | 716 | 699 | 717 | 737 | 715 | 723 | 712 | 736 | 8597 |
| 2001 | MEAN | 15.6 | 17.7 | 20.8 | 22.7 | 14.7 | 18.8 | - | - | - | - | - | - | 18.4 |
| | MAXIMUM | 45.1 | 45.9 | 54.2 | 39.3 | 39.1 | 49.0 | - | - | - | - | - | - | 54.2 |
| | DAY-HR | 10-20 | 07-12 | 04-17 | 03-05 | 01-19 | 03-20 | - | - | - | - | - | - | MAR |
| | MINIMUM | 1.9 | 3.5 | 2.3 | 3.5 | 1.4 | 1.2 | - | - | - | - | - | - | 1.2 |
| | DAY-HR | 10-08 | 15-07 | 19-15 | 19-03 | 31-03 | 27-10 | - | - | - | - | - | - | JUN |
| | # OBS | 742 | 670 | 737 | 717 | 740 | 716 | - | - | - | - | - | - | 4322 |
| POR | MEAN | 16.9 | 18.6 | 19.8 | 20.8 | 19.9 | 18.2 | 17.3 | 17.7 | 15.4 | 17.1 | 17.4 | 17.5 | 18.1 |
| | MAXIMUM | 45.1 | 67.5 | 54.2 | 52.7 | 44.9 | 49.0 | 38.3 | 36.9 | 37.9 | 45.3 | 43.4 | 46.7 | 67.5 |
| | YEAR | 2001 | 1998 | 2001 | 1999 | 1999 | 2001 | 2000 | 1999 | 1998 | 1997 | 1997 | 1997 | FEB/1998 |
| | MINIMUM | 1.7 | 1.2 | 2.1 | 1.9 | 1.4 | 1.2 | 1.9 | 1.7 | 1.7 | 1.9 | 1.2 | 2.1 | 1.2 |
| | YEAR | 1998 | 1996 | 1996 | 1998 | 2001 | 2001 | 1999 | 1997 | 1998 | 1997 | 1997 | 1998 | JUN/2001 |
| | # OBS | 3592 | 3355 | 3592 | 3202 | 2905 | 3668 | 2723 | 2957 | 2848 | 2917 | 2810 | 2956 | 37525 |

STATION: 46023 -- POR (4/1982 - 12/2001)

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS)

| YEAR | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1982 | MEAN | - | - | - | 2.2 | 2.3 | 1.6 | 2.0 | 1.8 | 2.1 | 2.1 | 2.2 | 3.0 | 2.1 |
| | MAXIMUM | - | - | - | 5.0 | 4.9 | 3.4 | 3.4 | 3.8 | 4.5 | 4.6 | 6.6 | 8.0 | 8.0 |
| | DAY-HR | - | - | - | 16-08 | 18-12 | 05-08 | 30-12 | 10-21 | 27-08 | 27-14 | 30-23 | 01-12 | DEC |
| | # OBS | - | - | - | 570 | 737 | 720 | 739 | 738 | 717 | 743 | 718 | 743 | 6425 |
| 1983 | MEAN | 2.8 | 3.3 | 3.3 | 2.4 | 2.0 | 2.3 | 2.0 | 1.6 | 1.7 | 1.9 | 1.4 | - | 2.3 |
| | MAXIMUM | 7.4 | 6.4 | 7.9 | 5.8 | 5.1 | 4.5 | 3.8 | 2.8 | 3.8 | 4.2 | 1.7 | - | 7.9 |
| | DAY-HR | 27-08 | 10-19 | 02-01 | 04-04 | 10-14 | 01-04 | 09-08 | 04-20 | 29-13 | 13-16 | 01-13 | - | MAR |
| | # OBS | 737 | 668 | 736 | 641 | 737 | 709 | 740 | 742 | 640 | 648 | 33 | - | 7031 |
| 1984 | MEAN | 1.9 | 2.5 | 2.9 | 3.1 | 2.6 | 2.3 | 1.8 | 1.9 | 1.8 | 2.4 | 3.0 | 2.3 | 2.4 |
| | MAXIMUM | 3.5 | 7.0 | 5.3 | 6.7 | 5.5 | 4.2 | 3.2 | 4.3 | 3.3 | 4.9 | 7.3 | 4.0 | 7.3 |
| | DAY-HR | 27-11 | 25-20 | 30-04 | 25-08 | 15-07 | 10-15 | 01-06 | 31-10 | 22-03 | 15-13 | 04-06 | 06-16 | NOV |
| | # OBS | 127 | 690 | 734 | 710 | 736 | 710 | 738 | 727 | 711 | 741 | 715 | 213 | 7552 |
| 1985 | MEAN | 2.3 | 2.2 | 2.9 | 2.2 | 1.9 | 1.9 | 1.6 | 1.7 | 1.6 | 2.2 | 3.0 | 2.1 | 2.1 |
| | MAXIMUM | 4.2 | 5.3 | 7.0 | 6.3 | 3.6 | 3.5 | 3.2 | 2.7 | 2.9 | 4.1 | 3.6 | 5.1 | 7.0 |
| | DAY-HR | 21-15 | 21-02 | 02-21 | 26-07 | 05-01 | 06-10 | 13-03 | 26-14 | 15-11 | 13-23 | 01-04 | 09-04 | MAR |
| | # OBS | 627 | 670 | 734 | 709 | 716 | 681 | 717 | 725 | 709 | 738 | 30 | 650 | 7706 |
| 1986 | MEAN | 2.5 | 3.0 | 2.6 | 2.4 | 2.2 | 1.8 | 1.8 | 1.6 | 1.5 | 2.1 | 2.4 | 2.8 | 2.2 |
| | MAXIMUM | 5.2 | 6.7 | 8.0 | 4.6 | 4.8 | 3.9 | 2.9 | 2.3 | 3.7 | 4.1 | 6.0 | 5.4 | 8.0 |
| | DAY-HR | 15-15 | 01-20 | 16-12 | 26-23 | 02-08 | 20-14 | 16-23 | 29-23 | 26-10 | 31-07 | 22-05 | 23-17 | MAR |
| | # OBS | 735 | 653 | 725 | 709 | 730 | 715 | 739 | 739 | 717 | 739 | 694 | 741 | 8636 |
| 1987 | MEAN | 3.0 | 2.9 | 2.5 | 2.4 | 2.1 | 2.0 | 1.8 | 1.5 | 1.8 | 1.6 | - | - | 2.2 |
| | MAXIMUM | 6.4 | 6.4 | 5.3 | 4.9 | 4.0 | 4.1 | 3.5 | 2.6 | 4.5 | 1.8 | - | - | 6.4 |
| | DAY-HR | 31-12 | 23-22 | 16-06 | 19-06 | 03-08 | 01-10 | 09-19 | 08-16 | 16-15 | 01-10 | - | - | FEB |
| | # OBS | 736 | 668 | 724 | 714 | 742 | 713 | 744 | 743 | 679 | 34 | - | - | 6497 |
| 1988 | MEAN | 2.0 | 2.3 | 2.9 | 1.8 | 2.3 | 2.0 | 1.6 | 1.6 | 1.8 | 1.7 | 2.9 | 2.2 | 2.1 |
| | MAXIMUM | 3.0 | 4.7 | 5.1 | 2.8 | 4.6 | 4.2 | 3.0 | 3.1 | 3.3 | 3.1 | 5.6 | 6.2 | 6.2 |
| | DAY-HR | 31-11 | 19-00 | 27-18 | 01-00 | 30-07 | 29-06 | 16-10 | 16-04 | 18-20 | 01-07 | 24-19 | 22-07 | DEC |
| | # OBS | 102 | 693 | 735 | 51 | 288 | 711 | 737 | 732 | 711 | 741 | 715 | 727 | 6943 |
| 1989 | MEAN | 2.4 | 2.1 | 2.1 | 1.7 | 2.2 | 1.9 | 2.2 | 1.6 | 1.6 | 1.7 | 1.9 | 2.0 | 2.0 |
| | MAXIMUM | 5.5 | 4.0 | 4.9 | 3.3 | 3.7 | 3.5 | 3.4 | 2.4 | 2.5 | 3.1 | 4.1 | 4.9 | 5.5 |
| | DAY-HR | 01-01 | 09-02 | 29-00 | 23-03 | 12-00 | 21-12 | 20-12 | 24-10 | 07-13 | 25-19 | 27-12 | 03-21 | JAN |
| | # OBS | 738 | 664 | 738 | 712 | 719 | 676 | 696 | 732 | 712 | 741 | 713 | 735 | 8576 |
| 1990 | MEAN | 2.6 | - | - | - | 2.0 | 2.2 | 1.6 | 1.6 | 1.7 | 2.1 | 2.1 | 2.2 | 2.0 |
| | MAXIMUM | 5.4 | - | - | - | 4.1 | 4.2 | 2.8 | 2.6 | 3.2 | 3.8 | 4.7 | 6.0 | 6.0 |
| | DAY-HR | 03-09 | - | - | - | 31-23 | 01-04 | 07-11 | 28-08 | 27-13 | 07-06 | 26-12 | 20-13 | DEC |
| | # OBS | 683 | - | - | - | 125 | 712 | 736 | 743 | 714 | 742 | 716 | 740 | 5911 |
| 1991 | MEAN | 2.0 | 2.3 | 2.9 | 2.6 | 2.4 | 2.0 | 1.5 | 1.7 | 1.7 | 1.9 | 2.7 | 2.7 | 2.2 |
| | MAXIMUM | 4.8 | 4.5 | 5.8 | 6.3 | 4.6 | 3.2 | 2.4 | 3.2 | 4.5 | 5.1 | 8.0 | 5.4 | 8.0 |
| | DAY-HR | 14-21 | 04-05 | 02-19 | 11-08 | 10-07 | 13-23 | 26-22 | 10-20 | 25-20 | 27-16 | 30-00 | 30-05 | NOV |
| | # OBS | 740 | 670 | 743 | 715 | 744 | 716 | 741 | 740 | 719 | 742 | 715 | 741 | 8726 |
| 1992 | MEAN | 2.8 | 2.4 | 2.3 | 2.1 | 1.7 | 1.7 | 1.8 | 1.6 | 1.8 | 2.0 | 2.3 | 2.6 | 2.1 |
| | MAXIMUM | 5.2 | 4.3 | 4.1 | 4.5 | 4.0 | 3.6 | 3.1 | 2.7 | 3.8 | 4.0 | 5.0 | 5.8 | 5.8 |
| | DAY-HR | 29-23 | 11-06 | 16-03 | 05-05 | 01-11 | 14-08 | 24-20 | 06-07 | 26-07 | 31-23 | 27-14 | 08-12 | DEC |
| | # OBS | 740 | 689 | 737 | 719 | 741 | 715 | 741 | 738 | 711 | 736 | 692 | 736 | 8695 |
| 1993 | MEAN | 2.2 | 2.5 | 2.5 | 3.2 | 2.1 | 2.3 | 2.1 | 1.8 | 1.7 | 1.6 | 2.2 | - | 2.2 |
| | MAXIMUM | 5.2 | 4.1 | 4.9 | 5.7 | 5.0 | 4.1 | 3.7 | 3.0 | 3.3 | 2.9 | 5.0 | - | 5.7 |
| | DAY-HR | 14-15 | 08-22 | 24-11 | 26-23 | 08-07 | 23-08 | 16-08 | 26-04 | 12-07 | 25-09 | 13-08 | - | APR |
| | # OBS | 731 | 629 | 728 | 720 | 734 | 712 | 728 | 732 | 710 | 741 | 400 | - | 7565 |
| 1994 | MEAN | - | - | - | - | - | 2.4 | 1.8 | 2.1 | 1.7 | 2.2 | 2.3 | 3.4 | 2.1 |
| | MAXIMUM | - | - | - | - | - | 3.6 | 3.0 | 3.2 | 3.0 | 5.2 | 2.3 | 5.9 | 5.9 |
| | DAY-HR | - | - | - | - | - | 15-21 | 28-07 | 30-17 | 10-17 | 15-08 | 01-00 | 19-11 | DEC |
| | # OBS | - | - | - | - | - | 364 | 732 | 740 | 715 | 737 | 1 | 422 | 3711 |
| 1995 | MEAN | 3.2 | 1.9 | 2.5 | 2.8 | 1.8 | 2.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.1 | 3.0 | 2.2 |
| | MAXIMUM | 6.6 | 4.3 | 6.6 | 5.7 | 2.8 | 5.2 | 2.7 | 2.8 | 4.0 | 4.0 | 4.0 | 7.0 | 7.0 |
| | DAY-HR | 23-10 | 03-09 | 23-21 | 09-03 | 24-20 | 06-10 | 13-08 | 11-00 | 26-08 | 22-19 | 27-03 | 14-00 | DEC |
| | # OBS | 735 | 651 | 704 | 491 | 332 | 692 | 717 | 719 | 705 | 736 | 709 | 723 | 7914 |
| 1996 | MEAN | 2.3 | 2.7 | 2.2 | 2.5 | - | 2.1 | 1.6 | - | - | - | - | - | 2.3 |
| | MAXIMUM | 5.3 | 5.7 | 5.4 | 5.2 | - | 3.3 | 2.6 | - | - | - | - | - | 5.7 |
| | DAY-HR | 23-02 | 25-13 | 13-15 | 17-16 | - | 18-13 | 10-05 | - | - | - | - | - | FEB |
| | # OBS | 695 | 656 | 698 | 400 | - | 325 | 102 | - | - | - | - | - | 2876 |
| 1997 | MEAN | - | - | - | - | - | 2.5 | 1.5 | 1.6 | 2.0 | 2.2 | 2.7 | 2.8 | 2.2 |
| | MAXIMUM | - | - | - | - | - | 7.1 | 2.7 | 3.0 | 5.5 | 5.3 | 6.3 | 5.0 | 7.1 |
| | DAY-HR | - | - | - | - | - | 07-02 | 18-15 | 06-09 | 27-22 | 06-05 | 15-09 | 22-09 | JUN |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | # OBS | - | - | - | - | - | 487 | 529 | 726 | 708 | 731 | 699 | 738 | 4618 |
| 1998 | MEAN | 2.9 | 4.4 | 2.6 | 2.5 | 2.1 | 1.8 | 1.9 | 1.8 | 1.8 | 2.2 | 2.7 | 3.2 | 2.5 |
| | MAXIMUM | 7.5 | 8.1 | 4.7 | 4.7 | 4.4 | 3.6 | 3.8 | 3.0 | 3.6 | 4.3 | 5.7 | 6.8 | 8.1 |
| | DAY-HR | 30-14 | 03-14 | 29-23 | 01-21 | 02-12 | 17-07 | 02-03 | 08-03 | 10-07 | 30-06 | 26-21 | 09-16 | FEB |
| | # OBS | 711 | 660 | 709 | 687 | 707 | 679 | 729 | 786 | 694 | 741 | 713 | 736 | 8552 |
| 1999 | MEAN | 2.5 | 3.1 | 3.0 | 2.6 | 2.5 | 2.1 | 1.6 | 1.5 | 1.7 | 1.9 | 2.2 | 2.5 | 2.3 |
| | MAXIMUM | 6.3 | 5.7 | 6.1 | 6.6 | 5.3 | 3.6 | 3.1 | 3.6 | 3.3 | 7.5 | 4.5 | 5.5 | 7.5 |
| | DAY-HR | 27-18 | 26-10 | 30-17 | 04-07 | 09-00 | 15-02 | 07-20 | 31-06 | 27-20 | 28-23 | 23-06 | 10-18 | OCT |
| | # OBS | 739 | 659 | 718 | 717 | 741 | 718 | 738 | 737 | 714 | 722 | 657 | 742 | 8602 |
| 2000 | MEAN | 2.1 | 3.0 | 3.1 | 2.2 | 2.2 | 1.6 | 1.8 | 1.7 | 1.6 | 2.3 | 2.5 | 2.4 | 2.2 |
| | MAXIMUM | 6.5 | 6.8 | 5.8 | 4.9 | 4.2 | 3.7 | 3.3 | 2.9 | 2.8 | 6.7 | 4.2 | 6.8 | 6.8 |
| | DAY-HR | 31-22 | 21-21 | 05-22 | 29-07 | 11-06 | 11-08 | 20-02 | 21-01 | 30-14 | 29-17 | 07-07 | 23-03 | DEC |
| | # OBS | 723 | 690 | 737 | 692 | 715 | 707 | 739 | 741 | 718 | 730 | 718 | 740 | 8650 |
| 2001 | MEAN | 3.0 | 2.7 | 2.7 | 2.3 | 2.0 | 1.9 | 1.6 | 1.8 | 1.7 | 2.0 | 2.7 | 3.1 | 2.3 |
| | MAXIMUM | 7.7 | 5.9 | 5.3 | 4.1 | 5.9 | 3.8 | 3.1 | 3.4 | 4.4 | 4.6 | 6.3 | 7.1 | 7.7 |
| | DAY-HR | 11-22 | 20-13 | 10-08 | 08-13 | 02-19 | 04-04 | 14-16 | 24-00 | 28-00 | 24-21 | 22-10 | 21-06 | JAN |
| | # OBS | 744 | 671 | 738 | 712 | 742 | 718 | 741 | 739 | 717 | 744 | 719 | 744 | 8729 |
| POR | MEAN | 2.6 | 2.7 | 2.7 | 2.4 | 2.2 | 2.0 | 1.8 | 1.7 | 1.8 | 2.0 | 2.4 | 2.6 | 2.2 |
| | MAXIMUM | 7.7 | 8.1 | 8.0 | 6.7 | 5.9 | 7.1 | 3.8 | 4.3 | 5.5 | 7.5 | 8.0 | 8.0 | 8.1 |
| | YEAR | 2001 | 1998 | 1986 | 1984 | 2001 | 1997 | 1998 | 1984 | 1997 | 1999 | 1991 | 1982 | FEB/1998 |
| | # OBS | 11043 | 10681 | 11638 | 10669 | 10986 | 13180 | 13823 | 14019 | 13421 | 13227 | 10357 | 10871 | 143915 |

STATION: 46023

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

Month: JAN

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.9 | * | 0.1 | 0.1 | * | 0.2 | * | * | 0.1 | * | 0.1 | 0.1 | 0.1 | 1.6 | 179 |
| 1 - 3 | | 0.9 | 0.7 | 0.8 | 0.8 | 0.9 | 0.6 | 0.4 | 0.5 | 0.5 | 0.7 | 0.9 | 0.9 | 8.6 | 936 |
| 4 - 6 | | 1.5 | 0.7 | 0.9 | 1.3 | 1.0 | 0.8 | 0.5 | 0.5 | 0.6 | 1.0 | 1.9 | 2.8 | 13.5 | 1472 |
| 7 - 10 | | 1.7 | 0.4 | 0.6 | 1.1 | 1.0 | 0.6 | 0.5 | 0.4 | 0.7 | 1.3 | 4.4 | 5.7 | 18.5 | 2019 |
| 11 - 15 | | 2.0 | 0.2 | 0.1 | 0.4 | 1.2 | 1.3 | 0.7 | 0.5 | 0.4 | 0.8 | 6.2 | 10.2 | 24.1 | 2629 |
| 16 - 20 | | 1.9 | 0.1 | - | 0.3 | 1.2 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 5.6 | 11.1 | 22.3 | 2439 |
| 21 - 24 | | 0.5 | - | - | 0.3 | 0.4 | 0.2 | 0.1 | * | 0.1 | 0.1 | 2.1 | 4.6 | 8.5 | 927 |
| 25 - 33 | | 0.5 | - | - | 0.2 | 0.3 | 0.1 | * | * | * | * | 0.6 | 1.2 | 3.0 | 324 |
| 34 - 47 | | * | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.9 | 9.1 | 2.2 | 2.5 | 4.5 | 6.2 | 4.4 | 2.7 | 2.2 | 2.6 | 4.5 | 21.8 | 36.5 | 100.0 | |
| TOTAL N | 97 | 994 | 241 | 269 | 488 | 676 | 481 | 294 | 244 | 283 | 493 | 2380 | 3986 | | 10926 |

(* < 0.05%)

STATION: 46023

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

Month: FEB

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.3 | * | * | * | - | * | * | * | * | * | 0.1 | * | * | 0.7 | 72 |
| 1 - 3 | | 0.6 | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.7 | 6.6 | 698 |
| 4 - 6 | | 1.2 | 0.5 | 0.6 | 0.7 | 1.1 | 0.6 | 0.7 | 0.7 | 1.0 | 1.4 | 1.7 | 1.9 | 12.1 | 1289 |
| 7 - 10 | | 1.3 | 0.3 | 0.4 | 0.9 | 1.4 | 1.7 | 1.3 | 0.9 | 0.9 | 1.8 | 3.6 | 4.2 | 18.7 | 1988 |
| 11 - 15 | | 0.9 | 0.2 | 0.1 | 0.8 | 1.9 | 2.1 | 1.4 | 0.8 | 0.6 | 1.0 | 5.4 | 8.4 | 23.5 | 2495 |
| 16 - 20 | | 1.0 | 0.1 | - | 0.6 | 1.7 | 1.1 | 0.6 | 0.4 | 0.2 | 0.6 | 5.1 | 11.6 | 23.1 | 2458 |
| 21 - 24 | | 0.4 | * | - | 0.5 | 1.0 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 2.0 | 5.2 | 10.1 | 1070 |
| 25 - 33 | | 0.1 | - | - | 0.3 | 0.6 | 0.5 | * | * | * | * | 1.0 | 2.3 | 5.0 | 527 |
| 34 - 47 | | - | - | - | 0.1 | 0.2 | * | * | - | - | - | - | * | 0.3 | 36 |
| > 48 | | - | - | - | - | * | - | - | - | - | - | - | - | 0.0 | 1 |
| TOTAL % | 0.3 | 5.5 | 1.7 | 1.6 | 4.3 | 8.4 | 6.9 | 4.7 | 3.4 | 3.6 | 5.7 | 19.6 | 34.4 | 100.0 | |
| TOTAL N | 36 | 583 | 179 | 166 | 455 | 888 | 739 | 500 | 361 | 382 | 601 | 2088 | 3656 | | 10634 |

(* < 0.05%)

STATION: 46023

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

Month: MAR

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.3 | * | * | * | * | * | * | * | * | * | * | 0.1 | * | 0.6 | 76 |
| 1 - 3 | | 0.4 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.7 | 0.5 | 5.2 | 605 |
| 4 - 6 | | 0.8 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.7 | 0.9 | 1.4 | 1.6 | 8.9 | 1038 |
| 7 - 10 | | 0.8 | 0.1 | 0.1 | 0.5 | 0.8 | 0.8 | 0.9 | 0.6 | 0.9 | 1.6 | 3.9 | 4.3 | 15.4 | 1802 |
| 11 - 15 | | 0.7 | 0.1 | 0.1 | 0.4 | 1.4 | 1.2 | 0.6 | 0.3 | 0.8 | 1.2 | 6.7 | 10.1 | 23.4 | 2743 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 - 20 | 0.5 | * | * | 0.3 | 0.9 | 0.7 | 0.4 | 0.2 | 0.2 | 0.4 | 6.8 | 14.0 | 24.4 | 2858 |
| 21 - 24 | 0.1 | - | - | 0.1 | 0.4 | 0.2 | 0.1 | * | * | 0.1 | 4.3 | 8.7 | 14.1 | 1655 |
| 25 - 33 | * | - | - | 0.1 | 0.5 | 0.1 | * | * | * | 0.1 | 2.4 | 4.4 | 7.7 | 900 |
| 34 - 47 | - | - | - | - | 0.1 | * | - | - | - | - | * | 0.1 | 0.2 | 25 |
| > 48 | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.3 | 3.4 | 0.9 | 0.9 | 2.4 | 4.9 | 3.8 | 3.0 | 2.2 | 3.1 | 4.9 | 26.4 | 43.7 | 100.0 |
| TOTAL N | 35 | 399 | 108 | 106 | 280 | 579 | 445 | 349 | 257 | 368 | 574 | 3084 | 5118 | 11702 |

(* < 0.05%)

STATION: 46023

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

Month: APR

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.3 | 0.1 | * | * | * | * | * | * | * | - | * | * | * | 0.6 | 70 |
| 1 - 3 | | 0.4 | 0.2 | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.5 | 0.3 | 0.5 | 0.5 | 0.5 | 4.5 | 509 |
| 4 - 6 | | 0.6 | 0.3 | 0.2 | 0.4 | 0.5 | 0.5 | 0.5 | 0.7 | 0.8 | 1.2 | 1.2 | 1.4 | 8.1 | 919 |
| 7 - 10 | | 0.8 | 0.2 | 0.1 | 0.3 | 0.7 | 0.8 | 0.6 | 0.5 | 0.6 | 1.1 | 3.3 | 4.4 | 13.3 | 1507 |
| 11 - 15 | | 0.5 | * | 0.1 | 0.1 | 0.8 | 0.5 | 0.3 | 0.1 | 0.2 | 0.7 | 6.1 | 10.6 | 20.0 | 2260 |
| 16 - 20 | | 0.2 | - | - | * | 0.3 | 0.2 | 0.1 | * | * | 0.2 | 7.1 | 17.8 | 26.0 | 2942 |
| 21 - 24 | | 0.1 | - | - | * | 0.1 | * | * | - | * | * | 5.1 | 11.1 | 16.4 | 1858 |
| 25 - 33 | | * | - | - | - | 0.1 | - | - | - | - | * | 3.3 | 7.1 | 10.5 | 1187 |
| 34 - 47 | | - | - | - | - | * | - | - | - | - | - | 0.2 | 0.2 | 0.5 | 52 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.3 | 2.7 | 0.7 | 0.7 | 1.0 | 2.8 | 2.4 | 1.8 | 1.9 | 1.9 | 3.7 | 26.9 | 53.0 | 100.0 | |
| TOTAL N | 33 | 303 | 78 | 84 | 118 | 319 | 276 | 207 | 217 | 219 | 415 | 3039 | 5996 | | 11304 |

(* < 0.05%)

STATION: 46023

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

Month: MAY

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.3 | * | * | * | * | * | 0.1 | * | * | * | * | * | * | 0.6 | 63 |
| 1 - 3 | | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.4 | 3.9 | 429 |
| 4 - 6 | | 0.6 | 0.2 | 0.1 | 0.2 | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 | 1.0 | 1.5 | 1.8 | 7.7 | 840 |
| 7 - 10 | | 0.6 | 0.1 | 0.1 | 0.1 | 0.4 | 0.6 | 0.6 | 0.3 | 0.2 | 1.1 | 4.6 | 5.4 | 14.1 | 1540 |
| 11 - 15 | | 0.4 | * | * | * | 0.3 | 0.4 | 0.2 | * | 0.1 | 0.3 | 7.4 | 11.5 | 20.7 | 2253 |
| 16 - 20 | | 0.2 | - | - | - | 0.2 | 0.1 | * | * | * | 0.1 | 8.2 | 18.1 | 26.8 | 2914 |
| 21 - 24 | | * | - | - | - | 0.1 | - | - | - | - | * | 5.7 | 11.3 | 17.1 | 1863 |
| 25 - 33 | | * | - | - | - | 0.1 | - | - | - | - | - | 4.1 | 4.6 | 8.8 | 959 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | * | 0.2 | 0.2 | 27 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.3 | 2.3 | 0.6 | 0.5 | 0.6 | 1.7 | 2.0 | 1.5 | 1.0 | 1.2 | 3.0 | 32.1 | 53.3 | 100.0 | |
| TOTAL N | 30 | 248 | 61 | 50 | 64 | 180 | 220 | 160 | 113 | 127 | 330 | 3497 | 5808 | | 10888 |

(* < 0.05%)

STATION: 46023

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

Month: JUN

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.2 | * | * | * | * | * | * | * | * | 0.1 | * | * | * | 0.5 | 66 |
| 1 - 3 | | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 | 0.6 | 1.0 | 0.6 | 5.2 | 678 |
| 4 - 6 | | 0.5 | 0.2 | 0.2 | 0.2 | 0.6 | 0.7 | 0.5 | 0.6 | 0.6 | 1.5 | 2.1 | 1.7 | 9.3 | 1207 |
| 7 - 10 | | 0.7 | 0.1 | 0.1 | 0.2 | 0.5 | 0.5 | 0.5 | 0.2 | 0.2 | 1.1 | 6.2 | 4.7 | 15.1 | 1951 |
| 11 - 15 | | 0.6 | * | * | * | 0.2 | 0.3 | 0.1 | * | * | 0.4 | 8.5 | 10.4 | 20.6 | 2662 |
| 16 - 20 | | 0.4 | * | - | - | - | * | * | - | * | 0.1 | 8.8 | 16.1 | 25.4 | 3292 |
| 21 - 24 | | 0.1 | - | - | - | - | - | - | - | - | * | 5.3 | 12.1 | 17.6 | 2279 |
| 25 - 33 | | * | - | - | - | - | - | - | - | - | - | 2.1 | 4.1 | 6.2 | 809 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | * | 0.0 | 1 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | * | - | 0.0 | 1 |
| TOTAL % | 0.2 | 2.8 | 0.5 | 0.6 | 0.7 | 1.6 | 1.9 | 1.4 | 1.4 | 1.4 | 3.8 | 34.0 | 49.7 | 100.0 | |
| TOTAL N | 25 | 360 | 59 | 75 | 97 | 212 | 245 | 181 | 179 | 179 | 497 | 4402 | 6435 | | 12946 |

(* < 0.05%)

STATION: 46023

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

Month: JUL

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.2 | * | * | * | - | * | * | * | * | * | * | * | * | 0.4 | 54 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 - 3 | 0.4 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 | 0.9 | 0.6 | 5.9 | 761 |
| 4 - 6 | 0.4 | 0.1 | 0.1 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 1.5 | 2.3 | 1.6 | 8.6 | 1117 |
| 7 - 10 | 0.5 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 1.4 | 6.0 | 5.0 | 13.8 | 1798 |
| 11 - 15 | 0.4 | * | * | 0.1 | * | * | - | - | * | 0.3 | 10.9 | 12.6 | 24.3 | 3165 |
| 16 - 20 | 0.3 | - | - | - | - | - | - | - | - | * | 11.5 | 19.8 | 31.7 | 4120 |
| 21 - 24 | 0.2 | * | - | - | - | - | - | - | - | * | 3.6 | 8.6 | 12.4 | 1614 |
| 25 - 33 | * | - | * | - | - | - | - | - | - | - | 0.9 | 2.0 | 2.9 | 379 |
| 34 - 47 | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.2 | 2.2 | 0.4 | 0.5 | 0.8 | 0.9 | 0.9 | 0.9 | 1.0 | 1.9 | 4.0 | 36.1 | 50.2 | 100.0 |
| TOTAL N | 20 | 292 | 58 | 65 | 99 | 116 | 122 | 122 | 127 | 242 | 520 | 4695 | 6530 | 13008 |

(* < 0.05%)

STATION: 46023

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

Month: AUG

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.4 | * | * | * | * | * | * | * | * | * | * | * | * | 0.6 | 72 |
| 1 - 3 | | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.5 | 0.8 | 0.4 | 4.0 | 505 |
| 4 - 6 | | 0.7 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 1.1 | 1.6 | 1.6 | 6.5 | 823 |
| 7 - 10 | | 0.7 | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.9 | 5.9 | 6.7 | 15.3 | 1925 |
| 11 - 15 | | 0.4 | * | * | * | 0.1 | 0.1 | 0.1 | * | * | 0.5 | 10.0 | 13.9 | 25.1 | 3161 |
| 16 - 20 | | 0.1 | - | - | - | * | * | - | - | * | * | 12.9 | 20.5 | 33.6 | 4238 |
| 21 - 24 | | - | - | - | - | * | * | - | - | - | * | 5.1 | 8.2 | 13.3 | 1679 |
| 25 - 33 | | * | - | - | - | * | - | - | - | - | - | 0.7 | 0.9 | 1.7 | 210 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | * | 0.0 | 2 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | * | 0.0 | 1 |
| TOTAL % | 0.4 | 2.2 | 0.5 | 0.3 | 0.4 | 0.6 | 0.6 | 0.8 | 0.9 | 1.0 | 3.0 | 37.0 | 52.2 | 100.0 | |
| TOTAL N | 47 | 274 | 68 | 43 | 52 | 81 | 71 | 101 | 116 | 129 | 383 | 4667 | 6584 | | 12616 |

(* < 0.05%)

STATION: 46023

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

Month: SEP

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.5 | * | 0.1 | * | * | * | * | * | 0.1 | * | * | 0.1 | * | 1.1 | 128 |
| 1 - 3 | | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.5 | 0.5 | 0.6 | 0.4 | 0.6 | 0.8 | 0.7 | 5.9 | 716 |
| 4 - 6 | | 0.7 | 0.3 | 0.1 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.5 | 1.0 | 2.2 | 2.2 | 9.6 | 1166 |
| 7 - 10 | | 1.0 | 0.1 | 0.1 | 0.2 | 0.5 | 0.6 | 0.7 | 0.4 | 0.3 | 1.1 | 6.0 | 6.3 | 17.2 | 2080 |
| 11 - 15 | | 0.8 | * | * | 0.1 | 0.1 | 0.3 | 0.2 | 0.1 | * | 0.3 | 10.3 | 15.2 | 27.4 | 3316 |
| 16 - 20 | | 0.2 | - | - | - | 0.1 | * | * | * | * | * | 9.1 | 17.6 | 27.1 | 3279 |
| 21 - 24 | | * | - | - | - | - | - | - | - | - | - | 3.2 | 6.5 | 9.8 | 1186 |
| 25 - 33 | | - | - | - | - | - | - | - | - | - | - | 0.8 | 1.2 | 2.0 | 242 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.5 | 3.1 | 0.8 | 0.6 | 1.0 | 1.7 | 1.8 | 2.1 | 1.7 | 1.2 | 3.2 | 32.6 | 49.7 | 100.0 | |
| TOTAL N | 63 | 375 | 91 | 68 | 116 | 204 | 224 | 249 | 211 | 151 | 389 | 3947 | 6025 | | 12113 |

(* < 0.05%)

STATION: 46023

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

Month: OCT

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.3 | * | 0.1 | * | * | * | * | * | * | * | * | 0.1 | * | 0.7 | 81 |
| 1 - 3 | | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.8 | 1.0 | 6.5 | 794 |
| 4 - 6 | | 1.4 | 0.6 | 0.5 | 0.7 | 0.7 | 0.8 | 0.5 | 0.6 | 0.5 | 1.1 | 2.5 | 2.8 | 12.5 | 1518 |
| 7 - 10 | | 1.5 | 0.2 | 0.3 | 0.3 | 0.6 | 1.0 | 0.6 | 0.2 | 0.3 | 1.0 | 6.4 | 7.3 | 19.6 | 2377 |
| 11 - 15 | | 0.8 | * | * | 0.1 | 0.4 | 0.5 | 0.3 | 0.1 | 0.1 | 0.3 | 8.8 | 13.3 | 24.8 | 3007 |
| 16 - 20 | | 0.5 | * | - | * | 0.1 | 0.1 | * | - | * | 0.3 | 5.8 | 15.6 | 22.3 | 2711 |
| 21 - 24 | | 0.1 | - | - | - | - | - | - | - | * | * | 2.7 | 6.8 | 9.7 | 1171 |
| 25 - 33 | | * | - | - | - | - | - | - | - | - | * | 1.5 | 2.3 | 3.8 | 467 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | * | - | 0.0 | 6 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | * | 0.0 | 1 |
| TOTAL % | 0.3 | 4.9 | 1.4 | 1.3 | 1.5 | 2.2 | 2.8 | 1.8 | 1.3 | 1.3 | 3.4 | 28.6 | 49.1 | 100.0 | |
| TOTAL N | 34 | 595 | 175 | 161 | 185 | 261 | 343 | 223 | 163 | 156 | 413 | 3469 | 5955 | | 12133 |

(* < 0.05%)

STATION: 46023

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

Month: NOV

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.6 | - | 0.1 | * | * | 0.1 | * | * | 0.1 | * | * | * | 0.1 | 1.1 | 119 |
| 1 - 3 | | 0.9 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.7 | 0.9 | 1.0 | 7.0 | 748 |
| 4 - 6 | | 1.4 | 0.5 | 0.7 | 0.7 | 0.6 | 0.6 | 0.8 | 0.4 | 0.5 | 1.2 | 2.1 | 2.6 | 12.1 | 1282 |
| 7 - 10 | | 1.9 | 0.3 | 0.3 | 0.6 | 1.0 | 0.9 | 0.8 | 0.5 | 0.4 | 1.1 | 4.6 | 6.5 | 18.9 | 2010 |
| 11 - 15 | | 1.8 | 0.1 | * | 0.3 | 0.6 | 0.7 | 0.5 | 0.3 | 0.3 | 0.6 | 5.9 | 11.4 | 22.4 | 2378 |
| 16 - 20 | | 1.2 | * | * | 0.2 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 5.6 | 14.3 | 23.1 | 2452 |
| 21 - 24 | | 0.4 | - | * | - | 0.4 | 0.2 | * | * | 0.1 | 0.1 | 2.5 | 7.0 | 10.7 | 1136 |
| 25 - 33 | | 0.3 | - | - | - | 0.1 | * | * | - | * | * | 1.5 | 2.6 | 4.6 | 490 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.6 | 7.8 | 1.6 | 1.7 | 2.4 | 3.7 | 3.2 | 2.6 | 1.8 | 1.8 | 4.1 | 23.1 | 45.6 | 100.0 | |
| TOTAL N | 65 | 827 | 173 | 176 | 251 | 398 | 335 | 281 | 188 | 194 | 431 | 2457 | 4839 | | 10615 |

(* < 0.05%)

STATION: 46023

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

Month: DEC

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.6 | * | 0.1 | * | * | 0.1 | * | 0.1 | * | 0.1 | 0.1 | 0.1 | * | 1.3 | 141 |
| 1 - 3 | | 0.9 | 0.8 | 0.7 | 0.8 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.3 | 1.0 | 9.5 | 998 |
| 4 - 6 | | 1.5 | 0.8 | 1.2 | 0.9 | 1.0 | 0.8 | 0.6 | 0.4 | 0.7 | 1.3 | 2.4 | 2.8 | 14.3 | 1500 |
| 7 - 10 | | 1.8 | 0.7 | 0.7 | 0.8 | 1.0 | 0.8 | 0.6 | 0.5 | 0.4 | 1.0 | 4.0 | 6.3 | 18.7 | 1966 |
| 11 - 15 | | 2.2 | 0.5 | 0.3 | 0.4 | 1.3 | 0.9 | 0.4 | 0.3 | 0.2 | 0.4 | 4.2 | 9.6 | 20.6 | 2163 |
| 16 - 20 | | 2.8 | 0.3 | * | 0.2 | 1.3 | 0.5 | 0.2 | 0.1 | 0.1 | 0.2 | 4.7 | 10.6 | 21.1 | 2221 |
| 21 - 24 | | 0.8 | 0.1 | * | 0.2 | 0.8 | 0.2 | * | * | * | 0.1 | 2.5 | 5.8 | 10.7 | 1120 |
| 25 - 33 | | * | - | - | 0.3 | 0.6 | 0.1 | - | - | - | * | 1.2 | 1.4 | 3.7 | 385 |
| 34 - 47 | | - | - | - | * | * | - | - | - | - | - | - | - | 0.0 | 5 |
| > 48 | | - | - | - | - | - | - | * | * | - | - | * | - | 0.0 | 4 |
| TOTAL % | 0.6 | 10.1 | 3.3 | 3.0 | 3.7 | 6.7 | 4.0 | 2.5 | 2.0 | 2.1 | 4.0 | 20.4 | 37.5 | 100.0 | |
| TOTAL N | 67 | 1064 | 349 | 316 | 389 | 706 | 418 | 265 | 209 | 225 | 416 | 2144 | 3935 | | 10503 |

(* < 0.05%)

STATION: 46023

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

All Months: Annual

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.4 | * | * | * | * | * | * | * | * | * | * | 0.1 | * | 0.8 | 1121 |
| 1 - 3 | | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.7 | 0.8 | 0.7 | 6.0 | 8377 |
| 4 - 6 | | 0.9 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.6 | 1.2 | 1.9 | 2.0 | 10.2 | 14171 |
| 7 - 10 | | 1.1 | 0.2 | 0.2 | 0.4 | 0.7 | 0.7 | 0.6 | 0.4 | 0.4 | 1.2 | 5.0 | 5.6 | 16.5 | 22963 |
| 11 - 15 | | 0.9 | 0.1 | 0.1 | 0.2 | 0.7 | 0.7 | 0.4 | 0.2 | 0.2 | 0.6 | 7.7 | 11.5 | 23.1 | 32232 |
| 16 - 20 | | 0.7 | * | * | 0.1 | 0.5 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 7.7 | 15.8 | 25.8 | 35924 |
| 21 - 24 | | 0.2 | * | * | 0.1 | 0.3 | 0.1 | * | * | * | * | 3.7 | 8.1 | 12.6 | 17558 |
| 25 - 33 | | 0.1 | - | * | 0.1 | 0.2 | 0.1 | * | * | * | * | 1.7 | 2.8 | 4.9 | 6879 |
| 34 - 47 | | * | - | - | * | * | * | * | - | - | - | * | 0.1 | 0.1 | 155 |
| > 48 | | - | - | - | - | * | - | * | * | - | - | * | * | 0.0 | 8 |
| TOTAL % | 0.4 | 4.5 | 1.2 | 1.1 | 1.9 | 3.3 | 2.8 | 2.1 | 1.7 | 1.9 | 3.9 | 28.6 | 46.5 | 100.0 | |
| TOTAL N | 552 | 6314 | 1640 | 1579 | 2594 | 4620 | 3919 | 2932 | 2385 | 2655 | 5462 | 39869 | 64867 | | 139388 |

(* < 0.05%)

STATION: 46023

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

Months: DEC, JAN, FEB (Winter)

WIND DIRECTION

| 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 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.6 | * | 0.1 | * | * | 0.1 | * | * | * | * | 0.1 | 0.1 | * | 1.2 | 392 |
| 1 - 3 | | 0.8 | 0.7 | 0.6 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 1.0 | 0.9 | 8.2 | 2632 |
| 4 - 6 | | 1.4 | 0.7 | 0.9 | 1.0 | 1.0 | 0.7 | 0.6 | 0.5 | 0.8 | 1.2 | 2.0 | 2.5 | 13.3 | 4261 |
| 7 - 10 | | 1.6 | 0.5 | 0.6 | 0.9 | 1.1 | 1.0 | 0.8 | 0.6 | 0.7 | 1.3 | 4.0 | 5.4 | 18.6 | 5973 |
| 11 - 15 | | 1.7 | 0.3 | 0.2 | 0.5 | 1.4 | 1.4 | 0.8 | 0.5 | 0.4 | 0.8 | 5.3 | 9.4 | 22.7 | 7287 |
| 16 - 20 | | 1.9 | 0.1 | * | 0.4 | 1.4 | 0.8 | 0.4 | 0.3 | 0.2 | 0.4 | 5.1 | 11.1 | 22.2 | 7118 |
| 21 - 24 | | 0.6 | * | * | 0.3 | 0.7 | 0.3 | 0.1 | * | 0.1 | 0.1 | 2.2 | 5.2 | 9.7 | 3117 |
| 25 - 33 | | 0.2 | - | - | 0.3 | 0.5 | 0.2 | * | * | * | * | 0.9 | 1.6 | 3.9 | 1236 |
| 34 - 47 | | * | - | - | * | 0.1 | * | * | - | - | - | - | * | 0.1 | 42 |
| > 48 | | - | - | - | - | * | - | * | * | - | - | * | - | 0.0 | 5 |
| TOTAL % | 0.6 | 8.2 | 2.4 | 2.3 | 4.2 | 7.1 | 5.1 | 3.3 | 2.5 | 2.8 | 4.7 | 20.6 | 36.1 | 100.0 | |
| TOTAL N | 200 | 2641 | 769 | 751 | 1332 | 2270 | 1638 | 1059 | 814 | 890 | 1510 | 6612 | 11577 | | 32063 |

(* < 0.05%)

STATION: 46023

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

Months: MAR, APR, MAY (Spring)

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.3 | * | * | * | * | * | * | * | * | * | * | * | * | 0.6 | 209 |
| 1 - 3 | | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 0.5 | 4.6 | 1543 |
| 4 - 6 | | 0.7 | 0.3 | 0.2 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 1.0 | 1.4 | 1.6 | 8.3 | 2797 |
| 7 - 10 | | 0.7 | 0.1 | 0.1 | 0.3 | 0.7 | 0.7 | 0.7 | 0.5 | 0.6 | 1.2 | 4.0 | 4.7 | 14.3 | 4849 |
| 11 - 15 | | 0.5 | * | * | 0.2 | 0.8 | 0.7 | 0.4 | 0.2 | 0.4 | 0.8 | 6.7 | 10.7 | 21.4 | 7256 |
| 16 - 20 | | 0.3 | * | * | 0.1 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 | 7.4 | 16.6 | 25.7 | 8714 |
| 21 - 24 | | 0.1 | - | - | * | 0.2 | 0.1 | * | * | * | 0.1 | 5.0 | 10.3 | 15.9 | 5376 |
| 25 - 33 | | * | - | - | * | 0.2 | * | * | * | * | * | 3.3 | 5.4 | 9.0 | 3046 |
| 34 - 47 | | - | - | - | - | * | * | - | - | - | - | 0.1 | 0.2 | 0.3 | 104 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 0.3 | 2.8 | 0.7 | 0.7 | 1.4 | 3.2 | 2.8 | 2.1 | 1.7 | 2.1 | 3.9 | 28.4 | 49.9 | 100.0 | |
| TOTAL N | 98 | 950 | 247 | 240 | 462 | 1078 | 941 | 716 | 587 | 714 | 1319 | 9620 | 16922 | | 33894 |

(* < 0.05%)

STATION: 46023

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

Months: JUN, JUL, AUG (Summer)

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.2 | * | * | * | * | * | * | * | * | * | * | * | * | 0.5 | 192 |
| 1 - 3 | | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.6 | 0.6 | 0.9 | 0.5 | 5.0 | 1944 |
| 4 - 6 | | 0.5 | 0.2 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 1.4 | 2.0 | 1.6 | 8.2 | 3147 |
| 7 - 10 | | 0.7 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 1.1 | 6.1 | 5.4 | 14.7 | 5674 |
| 11 - 15 | | 0.4 | * | * | * | 0.1 | 0.1 | * | * | * | 0.4 | 9.8 | 12.3 | 23.3 | 8988 |
| 16 - 20 | | 0.3 | * | - | - | * | * | * | - | * | 0.1 | 11.0 | 18.8 | 30.2 | 11650 |
| 21 - 24 | | 0.1 | * | - | - | * | * | - | - | - | * | 4.7 | 9.6 | 14.4 | 5572 |
| 25 - 33 | | * | - | * | - | * | - | - | - | - | - | 1.2 | 2.4 | 3.6 | 1398 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | * | 0.0 | 3 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | * | * | 0.0 | 2 |
| TOTAL % | 0.2 | 2.4 | 0.5 | 0.5 | 0.6 | 1.1 | 1.1 | 1.0 | 1.1 | 1.4 | 3.6 | 35.7 | 50.7 | 100.0 | |
| TOTAL N | 92 | 926 | 185 | 183 | 248 | 409 | 438 | 404 | 422 | 550 | 1400 | 13764 | 19549 | | 38570 |

(* < 0.05%)

STATION: 46023

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

Months: SEP, OCT, NOV (Autumn)

| | WIND DIRECTION | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | TOT % | TOT N |
| 0 | 0.5 | * | 0.1 | * | * | * | * | * | 0.1 | * | * | 0.1 | * | 0.9 | 328 |
| 1 - 3 | | 0.6 | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 | 0.7 | 0.8 | 0.9 | 6.5 | 2258 |
| 4 - 6 | | 1.2 | 0.5 | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 1.1 | 2.3 | 2.5 | 11.4 | 3966 |
| 7 - 10 | | 1.4 | 0.2 | 0.2 | 0.4 | 0.7 | 0.8 | 0.7 | 0.3 | 0.3 | 1.1 | 5.7 | 6.7 | 18.6 | 6467 |
| 11 - 15 | | 1.1 | 0.1 | * | 0.1 | 0.4 | 0.5 | 0.3 | 0.1 | 0.1 | 0.4 | 8.5 | 13.4 | 25.0 | 8701 |
| 16 - 20 | | 0.6 | * | * | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 6.9 | 15.9 | 24.2 | 8442 |
| 21 - 24 | | 0.2 | - | * | - | 0.1 | 0.1 | * | * | * | * | 2.8 | 6.8 | 10.0 | 3493 |
| 25 - 33 | | 0.1 | - | - | - | * | * | * | - | * | * | 1.3 | 2.0 | 3.4 | 1199 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | * | - | 0.0 | 6 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | * | 0.0 | 1 |
| TOTAL % | 0.5 | 5.2 | 1.3 | 1.2 | 1.6 | 2.5 | 2.6 | 2.2 | 1.6 | 1.4 | 3.5 | 28.3 | 48.2 | 100.0 | |
| TOTAL N | 162 | 1797 | 439 | 405 | 552 | 863 | 902 | 753 | 562 | 501 | 1233 | 9873 | 16819 | | 34861 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: JAN

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.5 | 0.6 | 0.2 | 0.1 | * | - | - | - | - | - | - | - | - | - | 1.4 | 155 |
| 1 - 3 | - | 1.6 | 3.7 | 1.9 | 0.6 | 0.1 | * | * | - | - | - | - | - | - | - | 8.0 | 885 |
| 4 - 6 | - | 2.0 | 6.2 | 3.1 | 0.9 | 0.4 | 0.1 | * | - | - | - | - | - | - | - | 12.7 | 1407 |
| 7 - 10 | - | 2.4 | 8.5 | 4.7 | 1.4 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | 17.6 | 1944 |
| 11 - 15 | - | 2.1 | 10.7 | 6.8 | 1.9 | 0.5 | 0.3 | 0.1 | - | - | - | - | - | - | - | 22.5 | 2483 |
| 16 - 20 | - | 0.6 | 8.3 | 8.2 | 2.9 | 0.5 | 0.2 | * | - | - | - | - | - | - | - | 20.8 | 2300 |
| 21 - 24 | - | * | 2.3 | 3.1 | 1.5 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | 7.5 | 826 |
| 25 - 33 | - | - | 0.3 | 1.0 | 0.9 | 0.3 | * | * | - | - | - | - | - | - | - | 2.6 | 291 |
| 34 - 47 | - | - | - | - | * | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| > 48 | - | 0.4 | 1.6 | 2.1 | 2.0 | 0.6 | 0.1 | * | - | - | - | - | - | - | - | 6.8 | 751 |
| TOTAL % | 0.0 | 9.7 | 42.3 | 31.1 | 12.3 | 3.4 | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1068 | 4669 | 3433 | 1363 | 370 | 111 | 27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 11043 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: FEB

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.1 | 0.3 | 0.2 | * | - | - | - | - | - | - | - | - | - | - | 0.7 | 72 |
| 1 - 3 | - | 1.0 | 2.9 | 1.9 | 0.4 | 0.1 | 0.1 | * | - | - | - | - | - | - | - | 6.5 | 698 |
| 4 - 6 | - | 1.8 | 5.8 | 3.2 | 0.9 | 0.3 | 0.1 | * | - | - | - | - | - | - | - | 12.0 | 1285 |
| 7 - 10 | - | 2.0 | 8.2 | 5.5 | 2.0 | 0.6 | 0.2 | 0.1 | - | - | - | - | - | - | - | 18.5 | 1972 |
| 11 - 15 | - | 2.5 | 9.0 | 7.7 | 3.0 | 0.7 | 0.3 | * | * | - | - | - | - | - | - | 23.2 | 2478 |
| 16 - 20 | - | 1.1 | 8.2 | 7.8 | 3.7 | 1.4 | 0.4 | 0.1 | - | - | - | - | - | - | - | 22.6 | 2415 |
| 21 - 24 | - | 0.2 | 2.8 | 3.6 | 2.2 | 0.9 | 0.1 | 0.1 | - | - | - | - | - | - | - | 9.8 | 1044 |
| 25 - 33 | - | * | 0.4 | 1.4 | 1.9 | 0.7 | 0.3 | 0.1 | - | - | - | - | - | - | - | 4.8 | 511 |
| 34 - 47 | - | - | - | * | 0.1 | 0.1 | * | * | * | - | - | - | - | - | - | 0.3 | 36 |
| > 48 | - | * | 0.7 | 0.7 | 0.2 | - | * | - | - | - | - | - | - | - | - | 1.6 | 170 |
| TOTAL % | 0.0 | 8.7 | 38.5 | 32.0 | 14.3 | 4.7 | 1.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 925 | 4109 | 3415 | 1527 | 506 | 152 | 44 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | | 10681 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: MAR

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.1 | 0.3 | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | 0.7 | 76 |
| 1 - 3 | - | 1.0 | 2.4 | 1.1 | 0.5 | 0.1 | * | - | - | - | - | - | - | - | - | 5.2 | 602 |
| 4 - 6 | * | 1.7 | 4.3 | 1.9 | 0.7 | 0.2 | 0.1 | * | - | - | - | - | - | - | - | 8.9 | 1034 |
| 7 - 10 | * | 2.7 | 6.7 | 4.2 | 1.2 | 0.4 | 0.1 | - | - | - | - | - | - | - | - | 15.4 | 1793 |
| 11 - 15 | * | 3.2 | 9.2 | 7.3 | 2.8 | 0.5 | 0.2 | 0.1 | * | - | - | - | - | - | - | 23.4 | 2722 |
| 16 - 20 | - | 0.8 | 9.2 | 9.1 | 4.2 | 0.9 | 0.2 | 0.1 | * | - | - | - | - | - | - | 24.4 | 2834 |
| 21 - 24 | - | * | 2.5 | 6.7 | 3.9 | 0.7 | 0.1 | * | * | - | - | - | - | - | - | 14.1 | 1636 |
| 25 - 33 | - | - | 0.5 | 2.8 | 3.1 | 1.1 | 0.1 | 0.1 | - | - | - | - | - | - | - | 7.7 | 896 |
| 34 - 47 | - | - | - | 0.1 | * | 0.1 | - | - | - | - | - | - | - | - | - | 0.2 | 25 |
| > 48 | - | * | 0.1 | 0.1 | * | * | - | - | - | - | - | - | - | - | - | 0.2 | 20 |
| TOTAL % | 0.0 | 9.6 | 35.3 | 33.4 | 16.6 | 3.9 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 5 | 1118 | 4104 | 3888 | 1927 | 457 | 105 | 29 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | 11638 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: APR

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.2 | 0.3 | * | * | - | - | - | - | - | - | - | - | - | - | 0.6 | 59 |
| 1 - 3 | - | 1.4 | 2.0 | 0.9 | 0.1 | * | - | - | - | - | - | - | - | - | - | 4.4 | 471 |
| 4 - 6 | - | 2.5 | 3.7 | 0.9 | 0.2 | * | * | - | - | - | - | - | - | - | - | 7.4 | 789 |
| 7 - 10 | - | 4.3 | 6.5 | 1.7 | 0.3 | * | - | - | - | - | - | - | - | - | - | 12.8 | 1370 |
| 11 - 15 | - | 5.0 | 10.7 | 3.5 | 0.5 | 0.1 | * | - | - | - | - | - | - | - | - | 19.9 | 2123 |
| 16 - 20 | - | 1.8 | 12.6 | 8.0 | 2.9 | 0.4 | * | - | - | - | - | - | - | - | - | 25.7 | 2743 |
| 21 - 24 | - | 0.2 | 4.5 | 7.8 | 3.7 | 0.7 | 0.1 | - | - | - | - | - | - | - | - | 16.9 | 1805 |
| 25 - 33 | - | * | 0.8 | 3.7 | 3.8 | 2.1 | 0.3 | - | - | - | - | - | - | - | - | 10.8 | 1149 |
| 34 - 47 | - | - | - | * | 0.1 | 0.2 | 0.2 | * | - | - | - | - | - | - | - | 0.5 | 52 |
| > 48 | - | * | 0.6 | 0.4 | * | - | - | - | - | - | - | - | - | - | - | 1.0 | 108 |
| TOTAL % | 0.0 | 15.4 | 41.6 | 27.0 | 11.7 | 3.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1640 | 4442 | 2878 | 1250 | 389 | 67 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10669 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: MAY

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.2 | 0.3 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 0.6 | 62 |
| 1 - 3 | - | 1.1 | 2.3 | 0.5 | 0.1 | - | - | - | - | - | - | - | - | - | - | 3.9 | 427 |
| 4 - 6 | - | 2.2 | 4.3 | 0.8 | 0.1 | - | - | - | - | - | - | - | - | - | - | 7.4 | 809 |
| 7 - 10 | - | 4.1 | 7.6 | 1.6 | 0.1 | * | - | - | - | - | - | - | - | - | - | 13.4 | 1470 |
| 11 - 15 | - | 5.2 | 11.1 | 2.8 | 0.4 | * | - | - | - | - | - | - | - | - | - | 19.5 | 2147 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 - 20 | - | 2.6 | 15.9 | 5.6 | 0.5 | 0.1 | * | - | - | - | - | - | - | - | - | 24.8 | 2723 |
| 21 - 24 | - | 0.3 | 8.0 | 6.3 | 1.2 | 0.2 | * | - | - | - | - | - | - | - | - | 16.1 | 1770 |
| 25 - 33 | - | 0.1 | 1.6 | 3.4 | 2.8 | 0.5 | * | - | - | - | - | - | - | - | - | 8.4 | 927 |
| 34 - 47 | - | - | - | - | 0.1 | 0.1 | * | - | - | - | - | - | - | - | - | 0.2 | 27 |
| > 48 | - | 0.5 | 3.0 | 1.6 | 0.5 | 0.1 | - | - | - | - | - | - | - | - | - | 5.7 | 624 |
| TOTAL % | 0.0 | 16.3 | 54.2 | 22.8 | 5.6 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1786 | 5950 | 2510 | 616 | 117 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10986 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: JUN

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.2 | 0.3 | * | - | - | - | - | - | - | - | - | - | - | - | 0.5 | 72 |
| 1 - 3 | * | 1.9 | 3.0 | 0.5 | * | - | - | - | - | - | - | - | - | - | - | 5.4 | 708 |
| 4 - 6 | - | 3.5 | 5.2 | 0.9 | * | - | - | - | - | - | - | - | - | - | - | 9.6 | 1264 |
| 7 - 10 | - | 6.4 | 7.6 | 1.3 | 0.1 | - | - | - | - | - | - | - | - | - | - | 15.3 | 2022 |
| 11 - 15 | - | 7.3 | 10.7 | 2.3 | 0.3 | - | - | - | - | - | - | - | - | - | - | 20.6 | 2713 |
| 16 - 20 | - | 2.6 | 15.8 | 6.2 | 0.6 | * | - | - | - | - | - | - | - | - | - | 25.2 | 3323 |
| 21 - 24 | - | 0.3 | 8.1 | 7.9 | 0.9 | * | - | - | - | - | - | - | - | - | - | 17.2 | 2270 |
| 25 - 33 | * | * | 1.5 | 3.6 | 0.8 | 0.1 | - | * | - | - | - | - | - | - | - | 5.9 | 784 |
| 34 - 47 | - | - | - | - | * | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| > 48 | - | * | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 23 |
| TOTAL % | 0.0 | 22.2 | 52.2 | 22.8 | 2.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 2 | 2925 | 6884 | 3005 | 343 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13180 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: JUL

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.2 | 0.2 | * | * | - | - | - | - | - | - | - | - | - | - | 0.4 | 55 |
| 1 - 3 | - | 2.1 | 3.7 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 5.9 | 810 |
| 4 - 6 | * | 3.3 | 5.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 8.6 | 1188 |
| 7 - 10 | - | 6.0 | 7.6 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | 13.9 | 1928 |
| 11 - 15 | * | 10.3 | 13.0 | 0.9 | - | - | - | - | - | - | - | - | - | - | - | 24.2 | 3349 |
| 16 - 20 | - | 5.8 | 21.7 | 3.4 | * | - | - | - | - | - | - | - | - | - | - | 30.8 | 4264 |
| 21 - 24 | - | 0.4 | 8.1 | 3.3 | * | - | - | - | - | - | - | - | - | - | - | 11.8 | 1635 |
| 25 - 33 | - | * | 1.0 | 1.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | 2.7 | 376 |
| 34 - 47 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | - | 0.4 | 1.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 1.6 | 218 |
| TOTAL % | 0.0 | 28.4 | 61.6 | 9.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 2 | 3931 | 8519 | 1359 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13823 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: AUG

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | - | 0.2 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | - | 0.5 | 73 |
| 1 - 3 | * | 1.6 | 2.1 | * | - | - | - | - | - | - | - | - | - | - | - | 3.8 | 527 |
| 4 - 6 | - | 2.9 | 3.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 6.1 | 859 |
| 7 - 10 | * | 7.3 | 6.9 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 14.3 | 2004 |
| 11 - 15 | * | 11.6 | 12.2 | 0.4 | - | - | - | - | - | - | - | - | - | - | - | 24.2 | 3396 |
| 16 - 20 | * | 6.5 | 23.7 | 1.8 | - | - | - | - | - | - | - | - | - | - | - | 32.0 | 4483 |
| 21 - 24 | - | 0.3 | 10.0 | 1.9 | 0.1 | - | - | - | - | - | - | - | - | - | - | 12.2 | 1715 |
| 25 - 33 | - | - | 0.6 | 0.9 | 0.1 | - | - | - | - | - | - | - | - | - | - | 1.6 | 223 |
| 34 - 47 | - | - | - | - | * | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| > 48 | - | 1.0 | 3.7 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | 5.3 | 737 |
| TOTAL % | 0.0 | 31.4 | 62.7 | 5.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 4 | 4404 | 8788 | 798 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 14019 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: SEP

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | 0.3 | 0.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 1.0 | 135 |
| 1 - 3 | - | 1.9 | 3.4 | 0.4 | * | - | - | - | - | - | - | - | - | - | - | 5.8 | 774 |
| 4 - 6 | * | 3.7 | 5.0 | 0.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | 9.4 | 1265 |
| 7 - 10 | * | 6.6 | 8.3 | 1.3 | 0.1 | * | - | - | - | - | - | - | - | - | - | 16.3 | 2192 |
| 11 - 15 | * | 11.6 | 12.5 | 1.3 | 0.3 | * | - | - | - | - | - | - | - | - | - | 25.7 | 3454 |
| 16 - 20 | - | 5.9 | 16.7 | 2.2 | 0.3 | * | - | - | - | - | - | - | - | - | - | 25.1 | 3366 |
| 21 - 24 | * | 0.5 | 6.0 | 2.3 | 0.3 | * | * | - | - | - | - | - | - | - | - | 9.2 | 1241 |
| 25 - 33 | - | * | 1.0 | 0.9 | 0.1 | - | - | - | - | - | - | - | - | - | - | 2.0 | 272 |
| 34 - 47 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | - | 1.8 | 3.2 | 0.4 | - | - | - | - | - | - | - | - | - | - | - | 5.4 | 722 |
| TOTAL % | 0.0 | 32.4 | 56.7 | 9.5 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 4 | 4351 | 7616 | 1269 | 169 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13421 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: OCT

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | * | 0.1 | 0.4 | * | * | - | - | - | - | - | - | - | - | - | - | 0.6 | 76 |
| 1 - 3 | * | 1.8 | 3.7 | 0.7 | 0.2 | * | * | * | - | - | - | - | - | - | - | 6.5 | 854 |
| 4 - 6 | * | 4.2 | 6.5 | 1.3 | 0.2 | * | * | - | - | - | - | - | - | - | - | 12.1 | 1605 |
| 7 - 10 | * | 6.2 | 10.4 | 2.2 | 0.2 | * | * | - | - | - | - | - | - | - | - | 19.0 | 2508 |
| 11 - 15 | * | 6.2 | 12.8 | 3.5 | 0.5 | 0.1 | * | - | - | - | - | - | - | - | - | 23.3 | 3080 |
| 16 - 20 | * | 1.8 | 11.4 | 5.4 | 1.5 | 0.2 | * | - | - | - | - | - | - | - | - | 20.3 | 2687 |
| 21 - 24 | - | 0.1 | 3.6 | 3.8 | 1.1 | 0.2 | * | * | * | - | - | - | - | - | - | 8.9 | 1181 |
| 25 - 33 | - | - | 0.6 | 1.8 | 1.0 | 0.2 | * | * | - | - | - | - | - | - | - | 3.6 | 482 |
| 34 - 47 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 6 |
| > 48 | - | 2.5 | 2.9 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | 5.7 | 748 |
| TOTAL % | 0.1 | 22.9 | 52.3 | 19.1 | 4.7 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 9 | 3032 | 6914 | 2522 | 617 | 107 | 20 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 13227 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: NOV

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | 0.2 | 0.5 | 0.2 | * | * | - | - | - | - | - | - | - | - | - | 1.0 | 103 |
| 1 - 3 | - | 1.7 | 3.2 | 1.4 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | - | 6.8 | 708 |
| 4 - 6 | * | 2.8 | 5.9 | 2.2 | 0.5 | 0.2 | 0.1 | - | - | - | - | - | - | - | - | 11.7 | 1214 |
| 7 - 10 | * | 4.3 | 8.0 | 4.5 | 1.3 | 0.3 | 0.1 | - | - | - | - | - | - | - | - | 18.6 | 1925 |
| 11 - 15 | - | 3.3 | 10.1 | 6.3 | 1.9 | 0.4 | * | - | - | - | - | - | - | - | - | 22.0 | 2276 |
| 16 - 20 | - | 1.1 | 9.0 | 8.3 | 3.1 | 0.6 | 0.1 | * | - | - | - | - | - | - | - | 22.2 | 2301 |
| 21 - 24 | - | 0.1 | 2.9 | 4.1 | 2.0 | 0.4 | 0.1 | * | - | - | - | - | - | - | - | 9.7 | 1000 |
| 25 - 33 | - | * | 0.3 | 1.4 | 1.5 | 0.5 | 0.3 | 0.2 | * | - | - | - | - | - | - | 4.1 | 427 |
| 34 - 47 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | - | 0.7 | 2.2 | 0.4 | 0.5 | * | - | - | - | - | - | - | - | - | - | 3.9 | 403 |
| TOTAL % | 0.0 | 14.1 | 42.0 | 28.9 | 11.3 | 2.6 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 1464 | 4353 | 2996 | 1167 | 266 | 84 | 23 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 10357 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Month: DEC

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | 0.5 | 0.5 | 0.1 | 0.1 | * | - | - | - | - | - | - | - | - | - | 1.2 | 132 |
| 1 - 3 | - | 2.7 | 4.0 | 1.8 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | - | 9.2 | 1001 |
| 4 - 6 | - | 3.0 | 6.9 | 3.0 | 0.8 | 0.2 | 0.1 | * | - | - | - | - | - | - | - | 14.0 | 1527 |
| 7 - 10 | - | 3.6 | 8.3 | 4.5 | 1.4 | 0.4 | 0.2 | * | - | - | - | - | - | - | - | 18.4 | 2000 |
| 11 - 15 | * | 2.0 | 7.8 | 6.1 | 3.1 | 1.0 | 0.2 | * | - | - | - | - | - | - | - | 20.3 | 2204 |
| 16 - 20 | * | 0.5 | 6.8 | 7.3 | 3.8 | 1.1 | 0.3 | 0.1 | - | - | - | - | - | - | - | 19.9 | 2168 |
| 21 - 24 | - | * | 2.3 | 3.5 | 2.0 | 0.9 | 0.4 | 0.1 | * | - | - | - | - | - | - | 9.2 | 999 |
| 25 - 33 | - | - | 0.2 | 1.5 | 1.1 | 0.4 | 0.1 | 0.2 | * | - | - | - | - | - | - | 3.6 | 390 |
| 34 - 47 | - | - | - | * | 0.1 | - | - | - | - | - | - | - | - | - | - | 0.1 | 11 |
| > 48 | - | * | 0.4 | 2.1 | 1.1 | 0.4 | * | - | - | - | - | - | - | - | - | 4.0 | 439 |
| TOTAL % | 0.0 | 12.4 | 37.2 | 30.0 | 13.9 | 4.6 | 1.4 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL N | 3 | 1349 | 4049 | 3259 | 1506 | 496 | 147 | 55 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 10871 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

All Months: Annual

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | * | 0.2 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | - | - | - | 0.7 | 1070 |
| 1 - 3 | * | 1.7 | 3.0 | 0.9 | 0.2 | * | * | * | - | - | - | - | - | - | - | 5.9 | 8465 |
| 4 - 6 | * | 2.9 | 5.1 | 1.4 | 0.3 | 0.1 | * | * | - | - | - | - | - | - | - | 9.9 | 14246 |
| 7 - 10 | * | 4.8 | 7.9 | 2.5 | 0.6 | 0.2 | 0.1 | * | * | - | - | - | - | - | - | 16.1 | 23128 |
| 11 - 15 | * | 6.2 | 10.9 | 3.9 | 1.1 | 0.3 | 0.1 | * | * | - | - | - | - | - | - | 22.5 | 32425 |
| 16 - 20 | * | 2.8 | 13.8 | 5.9 | 1.8 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | 24.7 | 35607 |
| 21 - 24 | * | 0.2 | 5.3 | 4.4 | 1.5 | 0.3 | 0.1 | * | * | - | - | - | - | - | - | 11.9 | 17122 |
| 25 - 33 | * | * | 0.8 | 2.0 | 1.3 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | 4.7 | 6728 |
| 34 - 47 | - | - | - | * | * | * | * | * | * | - | - | - | - | - | - | 0.1 | 161 |
| > 48 | - | 0.7 | 1.7 | 0.7 | 0.3 | 0.1 | * | * | - | - | - | - | - | - | - | 3.4 | 4963 |
| TOTAL % | 0.0 | 19.5 | 48.9 | 21.8 | 7.3 | 1.9 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 32 | 27993 | 70397 | 31332 | 10522 | 2739 | 694 | 187 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | | 143915 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Months: DEC, JAN, FEB (Winter)

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | 0.4 | 0.5 | 0.2 | 0.1 | * | - | - | - | - | - | - | - | - | - | 1.1 | 359 |
| 1 - 3 | - | 1.8 | 3.6 | 1.9 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | - | 7.9 | 2584 |
| 4 - 6 | - | 2.3 | 6.3 | 3.1 | 0.9 | 0.3 | 0.1 | * | - | - | - | - | - | - | - | 12.9 | 4219 |
| 7 - 10 | - | 2.7 | 8.4 | 4.9 | 1.6 | 0.5 | 0.2 | * | * | - | - | - | - | - | - | 18.2 | 5916 |
| 11 - 15 | * | 2.2 | 9.2 | 6.9 | 2.7 | 0.7 | 0.3 | 0.1 | * | - | - | - | - | - | - | 22.0 | 7165 |
| 16 - 20 | * | 0.7 | 7.8 | 7.8 | 3.5 | 1.0 | 0.3 | * | - | - | - | - | - | - | - | 21.1 | 6883 |
| 21 - 24 | - | 0.1 | 2.5 | 3.4 | 1.9 | 0.7 | 0.2 | 0.1 | * | - | - | - | - | - | - | 8.8 | 2869 |
| 25 - 33 | - | * | 0.3 | 1.3 | 1.3 | 0.5 | 0.1 | 0.1 | * | - | - | - | - | - | - | 3.7 | 1192 |
| 34 - 47 | - | - | - | * | 0.1 | * | * | * | * | - | - | - | - | - | - | 0.1 | 48 |
| > 48 | - | 0.1 | 0.9 | 1.6 | 1.1 | 0.4 | * | * | - | - | - | - | - | - | - | 4.2 | 1360 |
| TOTAL % | 0.0 | 10.3 | 39.4 | 31.0 | 13.5 | 4.2 | 1.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 3342 | 12827 | 10107 | 4396 | 1372 | 410 | 126 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | | 32595 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Months: MAR, APR, MAY (Spring)

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | 0.1 | 0.3 | 0.1 | * | - | - | - | - | - | - | - | - | - | - | 0.6 | 197 |
| 1 - 3 | - | 1.2 | 2.2 | 0.9 | 0.2 | * | * | - | - | - | - | - | - | - | - | 4.5 | 1500 |
| 4 - 6 | * | 2.1 | 4.1 | 1.2 | 0.3 | 0.1 | * | * | - | - | - | - | - | - | - | 7.9 | 2632 |
| 7 - 10 | * | 3.7 | 7.0 | 2.5 | 0.5 | 0.2 | * | - | - | - | - | - | - | - | - | 13.9 | 4633 |
| 11 - 15 | * | 4.5 | 10.3 | 4.6 | 1.3 | 0.2 | 0.1 | * | * | - | - | - | - | - | - | 21.0 | 6992 |
| 16 - 20 | - | 1.7 | 12.5 | 7.6 | 2.5 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | 24.9 | 8300 |
| 21 - 24 | - | 0.2 | 5.0 | 6.9 | 3.0 | 0.6 | 0.1 | * | * | - | - | - | - | - | - | 15.7 | 5211 |
| 25 - 33 | - | * | 0.9 | 3.3 | 3.3 | 1.2 | 0.2 | * | - | - | - | - | - | - | - | 8.9 | 2972 |
| 34 - 47 | - | - | - | * | 0.1 | 0.1 | 0.1 | * | - | - | - | - | - | - | - | 0.3 | 104 |
| > 48 | - | 0.2 | 1.2 | 0.7 | 0.2 | * | - | - | - | - | - | - | - | - | - | 2.3 | 752 |
| TOTAL % | 0.0 | 13.6 | 43.5 | 27.9 | 11.4 | 2.9 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 5 | 4544 | 14496 | 9276 | 3793 | 963 | 179 | 32 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | 33293 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Months: JUN, JUL, AUG (Summer)

WAVE HEIGHT

| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | 0.2 | 0.3 | * | * | - | - | - | - | - | - | - | - | - | - | 0.5 | 200 |
| 1 - 3 | * | 1.8 | 2.9 | 0.2 | * | - | - | - | - | - | - | - | - | - | - | 5.0 | 2045 |
| 4 - 6 | * | 3.2 | 4.5 | 0.4 | * | - | - | - | - | - | - | - | - | - | - | 8.1 | 3311 |
| 7 - 10 | * | 6.6 | 7.4 | 0.6 | * | - | - | - | - | - | - | - | - | - | - | 14.5 | 5954 |
| 11 - 15 | * | 9.8 | 12.0 | 1.2 | 0.1 | - | - | - | - | - | - | - | - | - | - | 23.1 | 9458 |
| 16 - 20 | * | 5.0 | 20.5 | 3.7 | 0.2 | * | - | - | - | - | - | - | - | - | - | 29.4 | 12070 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 - 24 | - | 0.3 | 8.8 | 4.3 | 0.3 | * | - | - | - | - | - | - | - | - | - | 13.7 | 5620 |
| 25 - 33 | * | * | 1.0 | 2.0 | 0.3 | * | - | * | - | - | - | - | - | - | - | 3.4 | 1383 |
| 34 - 47 | - | - | - | - | * | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| > 48 | - | 0.5 | 1.7 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 2.4 | 978 |
| TOTAL % | 0.0 | 27.4 | 59.0 | 12.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 8 | 11260 | 24191 | 5162 | 380 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 41022 |

(* < 0.05%)

STATION: 46023

4 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS SIGNIFICANT WAVE HEIGHT(METERS)

Months: SEP, OCT, NOV (Autumn)

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIND SPEED | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| 0 | * | 0.2 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | - | - | - | 0.8 | 314 |
| 1 - 3 | * | 1.8 | 3.4 | 0.8 | 0.2 | * | * | * | - | - | - | - | - | - | - | 6.3 | 2336 |
| 4 - 6 | * | 3.6 | 5.8 | 1.3 | 0.2 | 0.1 | * | - | - | - | - | - | - | - | - | 11.0 | 4084 |
| 7 - 10 | * | 5.8 | 9.0 | 2.5 | 0.5 | 0.1 | * | - | - | - | - | - | - | - | - | 17.9 | 6625 |
| 11 - 15 | * | 7.4 | 11.9 | 3.5 | 0.8 | 0.2 | * | - | - | - | - | - | - | - | - | 23.8 | 8810 |
| 16 - 20 | * | 3.1 | 12.7 | 5.0 | 1.5 | 0.2 | * | * | - | - | - | - | - | - | - | 22.6 | 8354 |
| 21 - 24 | * | 0.3 | 4.3 | 3.3 | 1.1 | 0.2 | * | * | * | - | - | - | - | - | - | 9.2 | 3422 |
| 25 - 33 | - | * | 0.7 | 1.4 | 0.8 | 0.2 | 0.1 | 0.1 | * | - | - | - | - | - | - | 3.2 | 1181 |
| 34 - 47 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 6 |
| > 48 | - | 1.8 | 2.8 | 0.3 | 0.1 | * | - | - | - | - | - | - | - | - | - | 5.1 | 1873 |
| TOTAL % | 0.0 | 23.9 | 51.0 | 18.3 | 5.3 | 1.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 16 | 8847 | 18883 | 6787 | 1953 | 384 | 105 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 37005 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: JAN

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | * | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 4.5 - 5.4 | - | 0.1 | 0.3 | * | - | - | - | - | - | - | - | - | - | - | - | 0.4 | 42 |
| 5.5 - 6.4 | - | * | 0.7 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 0.9 | 102 |
| 6.5 - 7.4 | - | 0.1 | 0.9 | 0.4 | * | - | - | - | - | - | - | - | - | - | - | 1.5 | 166 |
| 7.5 - 8.4 | - | 0.4 | 1.6 | 0.7 | 0.1 | * | - | - | - | - | - | - | - | - | - | 2.9 | 324 |
| 8.5 - 9.4 | - | 0.5 | 0.9 | 0.6 | 0.1 | * | - | - | - | - | - | - | - | - | - | 2.2 | 241 |
| 9.5 - 10.4 | - | 0.8 | 1.9 | 1.1 | 0.4 | * | - | - | - | - | - | - | - | - | - | 4.2 | 460 |
| 10.5 - 11.4 | - | 1.8 | 4.0 | 1.6 | 0.6 | 0.1 | - | - | - | - | - | - | - | - | - | 8.2 | 908 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 2.9 | 11.2 | 5.7 | 1.7 | 0.3 | * | - | - | - | - | - | - | - | - | 21.8 | 2405 |
| 13.5 - 14.4 | - | 1.8 | 12.6 | 11.9 | 4.7 | 0.7 | 0.1 | - | - | - | - | - | - | - | - | 31.8 | 3513 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 0.7 | 5.9 | 6.5 | 3.3 | 1.6 | 0.6 | 0.2 | * | - | - | - | - | - | - | 18.6 | 2055 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.3 | 2.0 | 2.0 | 1.2 | 0.6 | 0.3 | 0.1 | * | - | - | - | - | - | - | 6.6 | 724 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | 0.1 | 0.2 | 0.3 | 0.2 | * | * | - | - | - | - | - | - | - | - | 0.9 | 94 |
| TOTAL % | 0.0 | 9.7 | 42.3 | 31.1 | 12.3 | 3.4 | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1067 | 4666 | 3432 | 1363 | 370 | 111 | 27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 11038 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: FEB

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 6 |
| 4.5 - 5.4 | - | 0.2 | 0.2 | * | - | - | - | - | - | - | - | - | - | - | - | 0.4 | 46 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.5 - 6.4 | - | 0.1 | 1.1 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | 1.6 | 166 |
| 6.5 - 7.4 | - | * | 0.8 | 0.7 | 0.1 | - | - | - | - | - | - | - | - | - | - | 1.6 | 168 |
| 7.5 - 8.4 | - | 0.2 | 0.9 | 0.9 | 0.4 | * | * | - | - | - | - | - | - | - | - | 2.4 | 260 |
| 8.5 - 9.4 | - | 0.2 | 0.8 | 0.9 | 0.3 | 0.1 | - | * | - | - | - | - | - | - | - | 2.3 | 251 |
| 9.5 - 10.4 | - | 0.5 | 2.0 | 0.6 | 0.4 | 0.1 | - | - | - | - | - | - | - | - | - | 3.7 | 390 |
| 10.5 - 11.4 | - | 1.3 | 4.6 | 2.6 | 0.8 | 0.3 | - | - | - | - | - | - | - | - | - | 9.7 | 1031 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 2.3 | 9.9 | 7.4 | 1.9 | 0.4 | * | - | - | - | - | - | - | - | - | 21.9 | 2344 |
| 13.5 - 14.4 | - | 2.4 | 11.5 | 11.5 | 5.9 | 1.4 | 0.3 | * | - | - | - | - | - | - | - | 33.0 | 3530 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 1.2 | 5.0 | 5.4 | 3.8 | 2.0 | 0.8 | 0.3 | * | - | - | - | - | - | - | 18.5 | 1976 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.1 | 1.6 | 1.5 | 0.6 | 0.4 | 0.2 | 0.1 | - | - | - | - | - | - | - | 4.5 | 479 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | - | 0.1 | 0.1 | * | * | * | - | - | - | - | - | - | - | - | 0.3 | 34 |
| TOTAL % | 0.0 | 8.7 | 38.5 | 32.0 | 14.3 | 4.7 | 1.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 925 | 4109 | 3415 | 1527 | 506 | 152 | 44 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | | 10681 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: MAR

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | * | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 4.5 - 5.4 | - | 0.1 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | - | 0.3 | 38 |
| 5.5 - 6.4 | - | 0.1 | 0.9 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 1.1 | 123 |
| 6.5 - 7.4 | * | 0.2 | 1.0 | 0.9 | 0.1 | - | - | - | - | - | - | - | - | - | - | 2.1 | 250 |
| 7.5 - 8.4 | * | 0.2 | 1.2 | 2.2 | 0.6 | * | - | - | - | - | - | - | - | - | - | 4.2 | 492 |
| 8.5 - 9.4 | - | 0.4 | 1.2 | 1.1 | 0.7 | 0.1 | * | - | - | - | - | - | - | - | - | 3.4 | 401 |
| 9.5 - 10.4 | - | 0.8 | 2.0 | 1.4 | 1.3 | 0.3 | * | - | - | - | - | - | - | - | - | 5.8 | 670 |
| 10.5 - 11.4 | - | 1.5 | 5.0 | 3.5 | 1.4 | 0.3 | * | - | - | - | - | - | - | - | - | 11.8 | 1368 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 2.4 | 8.2 | 7.5 | 2.7 | 0.8 | 0.1 | * | - | - | - | - | - | - | - | 21.7 | 2522 |
| 13.5 - 14.4 | * | 2.8 | 8.6 | 9.8 | 5.7 | 1.2 | 0.2 | 0.1 | - | - | - | - | - | - | - | 28.3 | 3298 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 1.1 | 4.8 | 5.1 | 3.2 | 0.9 | 0.5 | 0.1 | * | - | - | - | - | - | - | 15.7 | 1829 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.1 | 2.0 | 1.6 | 0.9 | 0.3 | 0.1 | 0.1 | * | - | - | - | - | - | - | 5.1 | 591 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | 0.1 | 0.2 | 0.1 | - | - | - | - | - | - | - | - | - | - | 0.4 | 49 |
| TOTAL % | 0.0 | 9.6 | 35.2 | 33.4 | 16.6 | 3.9 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 5 | 1118 | 4101 | 3888 | 1927 | 457 | 105 | 29 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | 11635 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: APR

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 5 |
| 3.5 - 4.4 | - | * | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 10 |
| 4.5 - 5.4 | - | 0.3 | 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | 0.8 | 85 |
| 5.5 - 6.4 | - | 0.2 | 2.5 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 2.9 | 305 |
| 6.5 - 7.4 | - | 0.2 | 2.2 | 1.2 | * | - | - | - | - | - | - | - | - | - | - | 3.6 | 383 |
| 7.5 - 8.4 | - | 0.8 | 2.5 | 3.5 | 0.7 | * | - | - | - | - | - | - | - | - | - | 7.5 | 804 |
| 8.5 - 9.4 | - | 1.0 | 2.7 | 2.7 | 1.3 | 0.1 | - | - | - | - | - | - | - | - | - | 7.8 | 827 |
| 9.5 - 10.4 | - | 1.5 | 5.3 | 3.0 | 1.4 | 0.5 | * | - | - | - | - | - | - | - | - | 11.8 | 1259 |
| 10.5 - 11.4 | - | 2.3 | 6.6 | 3.7 | 1.4 | 0.7 | 0.2 | - | - | - | - | - | - | - | - | 14.8 | 1584 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 2.8 | 8.9 | 5.2 | 1.8 | 0.6 | 0.1 | * | - | - | - | - | - | - | - | 19.4 | 2071 |
| 13.5 - 14.4 | - | 4.0 | 6.6 | 4.8 | 3.0 | 0.7 | 0.1 | - | - | - | - | - | - | - | - | 19.2 | 2045 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 2.1 | 3.3 | 2.1 | 1.8 | 0.8 | 0.1 | - | - | - | - | - | - | - | - | 10.2 | 1090 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | * | 0.6 | 0.7 | 0.4 | 0.2 | * | - | - | - | - | - | - | - | - | 1.8 | 194 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | * | * | * | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| TOTAL % | 0.0 | 15.4 | 41.6 | 27.0 | 11.7 | 3.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1638 | 4442 | 2878 | 1250 | 389 | 67 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10667 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: MAY

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.2 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 23 |
| 4.5 - 5.4 | - | 0.6 | 0.4 | - | - | - | - | - | - | - | - | - | - | - | - | 1.0 | 114 |
| 5.5 - 6.4 | - | 1.3 | 3.2 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 4.6 | 507 |
| 6.5 - 7.4 | - | 0.9 | 7.1 | 1.6 | - | - | - | - | - | - | - | - | - | - | - | 9.6 | 1056 |
| 7.5 - 8.4 | - | 1.0 | 7.6 | 5.4 | 0.6 | - | - | - | - | - | - | - | - | - | - | 14.6 | 1603 |
| 8.5 - 9.4 | - | 1.5 | 6.0 | 4.0 | 1.2 | 0.1 | - | - | - | - | - | - | - | - | - | 12.8 | 1403 |
| 9.5 - 10.4 | - | 1.9 | 7.8 | 3.5 | 1.4 | 0.3 | * | - | - | - | - | - | - | - | - | 14.9 | 1638 |
| 10.5 - 11.4 | - | 1.2 | 6.6 | 3.1 | 1.0 | 0.4 | - | - | - | - | - | - | - | - | - | 12.3 | 1354 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 1.5 | 4.4 | 2.8 | 0.5 | 0.1 | - | - | - | - | - | - | - | - | - | 9.3 | 1022 |
| 13.5 - 14.4 | - | 4.2 | 4.8 | 1.4 | 0.6 | 0.2 | * | - | - | - | - | - | - | - | - | 11.3 | 1238 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 1.7 | 5.0 | 0.5 | 0.3 | * | * | - | - | - | - | - | - | - | - | 7.5 | 824 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.3 | 1.1 | 0.4 | * | - | - | - | - | - | - | - | - | - | - | 1.8 | 195 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | - | * | * | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 5 |
| TOTAL % | 0.0 | 16.3 | 54.2 | 22.9 | 5.6 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1785 | 5947 | 2510 | 616 | 117 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10982 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: JUN

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 3.5 - 4.4 | - | 0.2 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.3 | 36 |
| 4.5 - 5.4 | - | 0.3 | 0.7 | - | * | - | - | - | - | - | - | - | - | - | - | 1.1 | 139 |
| 5.5 - 6.4 | - | 0.6 | 2.8 | 0.1 | - | * | - | - | - | - | - | - | - | - | - | 3.5 | 458 |
| 6.5 - 7.4 | - | 0.3 | 5.4 | 0.9 | * | * | - | - | - | - | - | - | - | - | - | 6.6 | 871 |
| 7.5 - 8.4 | - | 2.8 | 10.9 | 7.0 | 0.2 | - | - | - | - | - | - | - | - | - | - | 20.9 | 2751 |
| 8.5 - 9.4 | - | 3.7 | 7.9 | 4.9 | 0.5 | - | - | - | - | - | - | - | - | - | - | 17.0 | 2237 |
| 9.5 - 10.4 | - | 3.0 | 9.4 | 4.3 | 0.7 | * | - | - | - | - | - | - | - | - | - | 17.4 | 2295 |
| 10.5 - 11.4 | - | 2.0 | 6.1 | 2.7 | 0.7 | 0.1 | - | * | - | - | - | - | - | - | - | 11.6 | 1534 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 1.9 | 2.9 | 1.7 | 0.2 | - | - | - | - | - | - | - | - | - | - | 6.7 | 884 |
| 13.5 - 14.4 | - | 3.6 | 2.1 | 1.0 | 0.2 | * | - | - | - | - | - | - | - | - | - | 7.0 | 916 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 3.1 | 3.3 | 0.3 | * | - | - | - | - | - | - | - | - | - | - | 6.6 | 875 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.6 | 0.7 | * | - | - | - | - | - | - | - | - | - | - | - | 1.3 | 172 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| TOTAL % | 0.0 | 22.2 | 52.2 | 22.8 | 2.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 2 | 2923 | 6883 | 3003 | 343 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13175 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: JUL

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.3 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | 0.4 | 56 |
| 4.5 - 5.4 | - | 1.0 | 0.9 | - | - | - | - | - | - | - | - | - | - | - | - | 1.9 | 264 |
| 5.5 - 6.4 | - | 1.0 | 4.3 | - | - | - | - | - | - | - | - | - | - | - | - | 5.3 | 737 |
| 6.5 - 7.4 | - | 1.3 | 8.5 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | 10.4 | 1436 |
| 7.5 - 8.4 | - | 5.0 | 16.4 | 4.2 | * | - | - | - | - | - | - | - | - | - | - | 25.7 | 3548 |
| 8.5 - 9.4 | - | 5.0 | 9.7 | 2.5 | 0.1 | - | - | - | - | - | - | - | - | - | - | 17.2 | 2380 |
| 9.5 - 10.4 | - | 3.3 | 10.3 | 1.3 | * | - | - | - | - | - | - | - | - | - | - | 15.0 | 2067 |
| 10.5 - 11.4 | - | 1.7 | 5.1 | 1.0 | * | - | - | - | - | - | - | - | - | - | - | 7.9 | 1085 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 1.5 | 1.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 3.2 | 448 |
| 13.5 - 14.4 | - | 5.0 | 1.2 | * | - | - | - | - | - | - | - | - | - | - | - | 6.2 | 860 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 2.9 | 3.3 | - | - | - | - | - | - | - | - | - | - | - | - | 6.2 | 850 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.3 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | - | 0.6 | 83 |
| TOTAL % | 0.0 | 28.4 | 61.6 | 9.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 2 | 3928 | 8517 | 1357 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13816 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: AUG

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.3 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.4 | 53 |
| 4.5 - 5.4 | - | 1.6 | 1.5 | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | 434 |
| 5.5 - 6.4 | - | 1.6 | 5.8 | * | - | - | - | - | - | - | - | - | - | - | - | 7.5 | 1049 |
| 6.5 - 7.4 | - | 1.8 | 11.2 | 0.7 | - | - | - | - | - | - | - | - | - | - | - | 13.7 | 1923 |
| 7.5 - 8.4 | - | 5.3 | 15.9 | 2.4 | 0.1 | - | - | - | - | - | - | - | - | - | - | 23.6 | 3314 |
| 8.5 - 9.4 | - | 4.7 | 8.3 | 1.0 | 0.1 | - | - | - | - | - | - | - | - | - | - | 14.2 | 1990 |
| 9.5 - 10.4 | - | 3.6 | 7.7 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | 12.0 | 1683 |
| 10.5 - 11.4 | - | 1.7 | 3.7 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | 5.9 | 829 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 1.7 | 1.8 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 3.7 | 516 |
| 13.5 - 14.4 | - | 4.9 | 2.6 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 7.7 | 1079 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 3.7 | 3.3 | * | - | - | - | - | - | - | - | - | - | - | - | 7.0 | 982 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.5 | 0.7 | - | - | - | - | - | - | - | - | - | - | - | - | 1.2 | 163 |
| TOTAL % | 0.0 | 31.4 | 62.7 | 5.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 4 | 4404 | 8788 | 798 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 14019 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: SEP

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 5 |
| 3.5 - 4.4 | - | 0.4 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.4 | 55 |
| 4.5 - 5.4 | - | 1.3 | 0.8 | - | - | - | - | - | - | - | - | - | - | - | - | 2.1 | 288 |
| 5.5 - 6.4 | - | 1.5 | 4.1 | * | - | - | - | - | - | - | - | - | - | - | - | 5.6 | 758 |
| 6.5 - 7.4 | - | 1.5 | 5.8 | 0.4 | - | - | - | - | - | - | - | - | - | - | - | 7.7 | 1036 |
| 7.5 - 8.4 | - | 3.5 | 7.9 | 2.2 | 0.1 | - | - | - | - | - | - | - | - | - | - | 13.6 | 1831 |
| 8.5 - 9.4 | - | 3.9 | 5.5 | 0.4 | 0.2 | * | - | - | - | - | - | - | - | - | - | 9.9 | 1335 |
| 9.5 - 10.4 | - | 4.3 | 8.6 | 1.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | 14.1 | 1891 |
| 10.5 - 11.4 | - | 3.2 | 7.7 | 1.7 | 0.1 | - | - | - | - | - | - | - | - | - | - | 12.7 | 1710 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 3.2 | 5.8 | 1.0 | 0.2 | * | - | - | - | - | - | - | - | - | - | 10.1 | 1357 |
| 13.5 - 14.4 | - | 5.4 | 5.4 | 1.3 | 0.2 | * | - | - | - | - | - | - | - | - | - | 12.3 | 1652 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 3.5 | 4.0 | 1.1 | 0.4 | 0.1 | * | - | - | - | - | - | - | - | - | 9.0 | 1209 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.7 | 1.0 | 0.3 | * | - | - | - | - | - | - | - | - | - | - | 2.0 | 265 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | 0.1 | * | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 23 |
| TOTAL % | 0.0 | 32.4 | 56.7 | 9.5 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 4 | 4351 | 7614 | 1269 | 169 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13419 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: OCT

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.1 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 14 |
| 4.5 - 5.4 | - | 0.6 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | - | 1.2 | 158 |
| 5.5 - 6.4 | - | 0.8 | 2.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 3.0 | 400 |
| 6.5 - 7.4 | - | 0.9 | 3.1 | 0.7 | - | - | - | - | - | - | - | - | - | - | - | 4.7 | 618 |
| 7.5 - 8.4 | * | 1.9 | 3.8 | 2.2 | 0.2 | - | - | - | - | - | - | - | - | - | - | 8.1 | 1072 |
| 8.5 - 9.4 | * | 2.2 | 3.8 | 1.3 | 0.3 | * | - | - | - | - | - | - | - | - | - | 7.6 | 1005 |
| 9.5 - 10.4 | * | 2.6 | 6.0 | 1.6 | 0.5 | 0.1 | - | - | - | - | - | - | - | - | - | 10.7 | 1418 |
| 10.5 - 11.4 | - | 3.1 | 7.0 | 2.3 | 1.0 | 0.2 | - | - | - | - | - | - | - | - | - | 13.7 | 1809 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 4.1 | 10.5 | 4.2 | 0.9 | 0.2 | - | - | - | - | - | - | - | - | - | 19.9 | 2625 |
| 13.5 - 14.4 | - | 4.0 | 9.1 | 4.5 | 1.2 | 0.1 | * | - | - | - | - | - | - | - | - | 18.9 | 2497 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 2.4 | 5.2 | 1.5 | 0.5 | 0.2 | 0.1 | * | - | - | - | - | - | - | - | 10.0 | 1320 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.2 | 1.1 | 0.6 | 0.1 | * | * | * | * | - | - | - | - | - | - | 2.1 | 280 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | - | * | * | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 5 |
| TOTAL % | 0.1 | 22.9 | 52.3 | 19.1 | 4.7 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 9 | 3031 | 6913 | 2522 | 616 | 107 | 20 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 13224 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: NOV

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| 2.5 - 3.4 | - | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 8 |
| 3.5 - 4.4 | - | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 8 |
| 4.5 - 5.4 | - | 0.1 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | - | 0.3 | 33 |
| 5.5 - 6.4 | - | 0.1 | 0.9 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 1.0 | 108 |
| 6.5 - 7.4 | * | 0.4 | 1.2 | 0.4 | - | - | - | - | - | - | - | - | - | - | - | 2.0 | 203 |
| 7.5 - 8.4 | - | 0.8 | 1.9 | 1.1 | 0.2 | * | - | - | - | - | - | - | - | - | - | 4.0 | 414 |
| 8.5 - 9.4 | - | 0.9 | 1.7 | 0.8 | 0.4 | 0.1 | - | - | - | - | - | - | - | - | - | 4.0 | 411 |
| 9.5 - 10.4 | - | 1.2 | 2.8 | 1.4 | 0.7 | 0.1 | 0.1 | * | - | - | - | - | - | - | - | 6.4 | 661 |
| 10.5 - 11.4 | - | 2.0 | 7.4 | 2.7 | 1.3 | 0.1 | * | * | - | - | - | - | - | - | - | 13.5 | 1396 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 3.4 | 11.1 | 7.8 | 2.1 | 0.1 | * | 0.1 | * | - | - | - | - | - | - | 24.6 | 2547 |
| 13.5 - 14.4 | - | 3.5 | 8.9 | 9.8 | 4.0 | 0.8 | * | * | - | - | - | - | - | - | - | 27.1 | 2808 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 1.2 | 4.6 | 3.5 | 2.2 | 1.2 | 0.6 | 0.1 | - | - | - | - | - | - | - | 13.4 | 1389 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.3 | 1.3 | 1.3 | 0.3 | 0.1 | * | - | - | - | - | - | - | - | - | 3.3 | 341 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | - | 0.1 | * | 0.1 | - | - | - | - | - | - | - | - | - | - | 0.3 | 27 |
| TOTAL % | 0.0 | 14.1 | 42.0 | 28.9 | 11.3 | 2.6 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 1464 | 4353 | 2996 | 1167 | 266 | 84 | 23 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 10357 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Month: DEC

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | - | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 4.5 - 5.4 | - | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 27 |
| 5.5 - 6.4 | - | 0.1 | 1.0 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 1.2 | 134 |
| 6.5 - 7.4 | - | * | 0.7 | 0.3 | * | - | - | - | - | - | - | - | - | - | - | 1.1 | 120 |
| 7.5 - 8.4 | - | 0.3 | 1.0 | 0.6 | 0.2 | - | - | - | - | - | - | - | - | - | - | 2.1 | 228 |
| 8.5 - 9.4 | - | 0.3 | 1.0 | 0.5 | 0.2 | * | - | - | - | - | - | - | - | - | - | 2.1 | 227 |
| 9.5 - 10.4 | - | 0.8 | 2.3 | 1.2 | 0.3 | 0.1 | - | - | - | - | - | - | - | - | - | 4.6 | 501 |
| 10.5 - 11.4 | - | 1.6 | 3.6 | 2.0 | 0.7 | 0.3 | * | * | - | - | - | - | - | - | - | 8.2 | 894 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 4.0 | 8.5 | 6.7 | 1.9 | 0.7 | 0.1 | 0.1 | * | - | - | - | - | - | - | 21.9 | 2385 |
| 13.5 - 14.4 | - | 3.6 | 12.2 | 10.3 | 5.8 | 1.3 | 0.3 | 0.2 | 0.1 | - | - | - | - | - | - | 33.7 | 3666 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 1.2 | 5.0 | 5.8 | 3.6 | 1.8 | 0.8 | 0.1 | - | - | - | - | - | - | - | 18.3 | 1994 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.4 | 1.8 | 2.3 | 1.1 | 0.3 | 0.1 | * | - | - | - | - | - | - | - | 5.9 | 639 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | 0.2 | 0.2 | - | * | - | - | - | - | - | - | - | - | - | 0.5 | 50 |
| TOTAL % | 0.0 | 12.4 | 37.2 | 30.0 | 13.9 | 4.6 | 1.4 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 1349 | 4049 | 3258 | 1506 | 496 | 147 | 55 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | | 10870 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

All Months: Annual

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 20 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 21 |
| 3.5 - 4.4 | - | 0.2 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 271 |
| 4.5 - 5.4 | - | 0.6 | 0.6 | * | * | - | - | - | - | - | - | - | - | - | - | 1.2 | 1668 |
| 5.5 - 6.4 | - | 0.7 | 2.6 | 0.1 | - | * | - | - | - | - | - | - | - | - | - | 3.4 | 4847 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.5 - 7.4 | * | 0.7 | 4.3 | 0.7 | * | * | - | - | - | - | - | - | - | - | - | 5.7 | 8230 |
| 7.5 - 8.4 | * | 2.0 | 6.5 | 2.8 | 0.3 | * | * | - | - | - | - | - | - | - | - | 11.6 | 16641 |
| 8.5 - 9.4 | * | 2.2 | 4.4 | 1.8 | 0.4 | * | * | * | - | - | - | - | - | - | - | 8.8 | 12708 |
| 9.5 - 10.4 | * | 2.2 | 5.8 | 1.7 | 0.6 | 0.1 | * | * | - | - | - | - | - | - | - | 10.4 | 14933 |
| 10.5 - 11.4 | - | 2.0 | 5.6 | 2.2 | 0.7 | 0.2 | * | * | - | - | - | - | - | - | - | 10.8 | 15502 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 2.6 | 6.8 | 3.9 | 1.1 | 0.2 | * | * | * | - | - | - | - | - | - | 14.7 | 21126 |
| 13.5 - 14.4 | * | 3.8 | 6.8 | 5.1 | 2.4 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | 18.8 | 27102 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 2.2 | 4.3 | 2.5 | 1.5 | 0.7 | 0.3 | 0.1 | * | - | - | - | - | - | - | 11.4 | 16393 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.3 | 1.2 | 0.8 | 0.4 | 0.2 | 0.1 | * | * | - | - | - | - | - | - | 2.9 | 4126 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | 0.1 | 0.1 | * | * | * | - | - | - | - | - | - | - | - | 0.2 | 293 |
| TOTAL % | 0.0 | 19.4 | 48.9 | 21.8 | 7.3 | 1.9 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 32 | 27983 | 70382 | 31326 | 10521 | 2739 | 694 | 187 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | | 143883 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Months: DEC, JAN, FEB (Winter)

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | * | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 12 |
| 4.5 - 5.4 | - | 0.1 | 0.2 | * | - | - | - | - | - | - | - | - | - | - | - | 0.4 | 115 |
| 5.5 - 6.4 | - | 0.1 | 0.9 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 1.2 | 402 |
| 6.5 - 7.4 | - | 0.1 | 0.8 | 0.5 | * | - | - | - | - | - | - | - | - | - | - | 1.4 | 454 |
| 7.5 - 8.4 | - | 0.3 | 1.2 | 0.7 | 0.3 | * | * | - | - | - | - | - | - | - | - | 2.5 | 812 |
| 8.5 - 9.4 | - | 0.3 | 0.9 | 0.7 | 0.2 | * | - | * | - | - | - | - | - | - | - | 2.2 | 719 |
| 9.5 - 10.4 | - | 0.7 | 2.1 | 1.0 | 0.3 | 0.1 | - | - | - | - | - | - | - | - | - | 4.1 | 1351 |
| 10.5 - 11.4 | - | 1.6 | 4.1 | 2.1 | 0.7 | 0.2 | * | * | - | - | - | - | - | - | - | 8.7 | 2833 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 3.1 | 9.8 | 6.6 | 1.8 | 0.5 | 0.1 | * | * | - | - | - | - | - | - | 21.9 | 7134 |
| 13.5 - 14.4 | - | 2.6 | 12.1 | 11.2 | 5.4 | 1.1 | 0.3 | 0.1 | * | - | - | - | - | - | - | 32.9 | 10709 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 1.0 | 5.3 | 5.9 | 3.6 | 1.8 | 0.7 | 0.2 | * | - | - | - | - | - | - | 18.5 | 6025 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.2 | 1.8 | 1.9 | 1.0 | 0.5 | 0.2 | 0.1 | * | - | - | - | - | - | - | 5.7 | 1842 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | 0.2 | 0.2 | 0.1 | * | * | - | - | - | - | - | - | - | - | 0.5 | 178 |
| TOTAL % | 0.0 | 10.3 | 39.4 | 31.0 | 13.5 | 4.2 | 1.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 3341 | 12824 | 10105 | 4396 | 1372 | 410 | 126 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | | 32589 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Months: MAR, APR, MAY (Spring)

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 5 |
| 3.5 - 4.4 | - | 0.1 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 37 |
| 4.5 - 5.4 | - | 0.3 | 0.4 | * | - | - | - | - | - | - | - | - | - | - | - | 0.7 | 237 |
| 5.5 - 6.4 | - | 0.5 | 2.2 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 2.8 | 935 |
| 6.5 - 7.4 | * | 0.4 | 3.4 | 1.2 | * | - | - | - | - | - | - | - | - | - | - | 5.1 | 1689 |
| 7.5 - 8.4 | * | 0.7 | 3.8 | 3.6 | 0.6 | * | - | - | - | - | - | - | - | - | - | 8.7 | 2899 |
| 8.5 - 9.4 | - | 0.9 | 3.3 | 2.6 | 1.1 | 0.1 | * | - | - | - | - | - | - | - | - | 7.9 | 2631 |
| 9.5 - 10.4 | - | 1.4 | 5.0 | 2.6 | 1.4 | 0.4 | * | - | - | - | - | - | - | - | - | 10.7 | 3567 |
| 10.5 - 11.4 | - | 1.7 | 6.1 | 3.4 | 1.3 | 0.4 | 0.1 | - | - | - | - | - | - | - | - | 12.9 | 4306 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 2.2 | 7.2 | 5.2 | 1.7 | 0.5 | 0.1 | * | - | - | - | - | - | - | - | 16.9 | 5615 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13.5 - 14.4 | * | 3.6 | 6.7 | 5.4 | 3.2 | 0.7 | 0.1 | * | - | - | - | - | - | - | - | 19.8 | 6581 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 1.6 | 4.4 | 2.6 | 1.8 | 0.6 | 0.2 | * | * | - | - | - | - | - | - | 11.2 | 3743 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.1 | 1.2 | 0.9 | 0.4 | 0.2 | * | * | * | - | - | - | - | - | - | 2.9 | 980 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | * | 0.1 | * | - | - | - | - | - | - | - | - | - | - | 0.2 | 58 |
| TOTAL % | 0.0 | 13.6 | 43.5 | 27.9 | 11.4 | 2.9 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 5 | 4541 | 14490 | 9276 | 3793 | 963 | 179 | 32 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | 33284 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Months: JUN, JUL, AUG (Summer)

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 8 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 3.5 - 4.4 | - | 0.3 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.4 | 145 |
| 4.5 - 5.4 | - | 1.0 | 1.1 | - | * | - | - | - | - | - | - | - | - | - | - | 2.0 | 837 |
| 5.5 - 6.4 | - | 1.1 | 4.3 | * | - | * | - | - | - | - | - | - | - | - | - | 5.5 | 2244 |
| 6.5 - 7.4 | - | 1.2 | 8.4 | 0.7 | * | * | - | - | - | - | - | - | - | - | - | 10.3 | 4230 |
| 7.5 - 8.4 | - | 4.4 | 14.5 | 4.5 | 0.1 | - | - | - | - | - | - | - | - | - | - | 23.4 | 9613 |
| 8.5 - 9.4 | - | 4.5 | 8.6 | 2.8 | 0.2 | - | - | - | - | - | - | - | - | - | - | 16.1 | 6607 |
| 9.5 - 10.4 | - | 3.3 | 9.1 | 2.0 | 0.2 | * | - | - | - | - | - | - | - | - | - | 14.7 | 6045 |
| 10.5 - 11.4 | - | 1.8 | 5.0 | 1.4 | 0.2 | * | - | * | - | - | - | - | - | - | - | 8.4 | 3448 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 1.7 | 2.1 | 0.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | 4.5 | 1848 |
| 13.5 - 14.4 | - | 4.5 | 2.0 | 0.4 | 0.1 | * | - | - | - | - | - | - | - | - | - | 7.0 | 2855 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 3.2 | 3.3 | 0.1 | * | - | - | - | - | - | - | - | - | - | - | 6.6 | 2707 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.4 | 0.6 | * | - | - | - | - | - | - | - | - | - | - | - | 1.0 | 418 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| TOTAL % | 0.0 | 27.4 | 59.0 | 12.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 8 | 11255 | 24188 | 5158 | 380 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 41010 |

(* < 0.05%)

STATION: 46023

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT WAVE PERIOD(SECONDS)

Months: SEP, OCT, NOV (Autumn)

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 9 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 13 |
| 3.5 - 4.4 | - | 0.2 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 77 |
| 4.5 - 5.4 | - | 0.7 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | - | 1.3 | 479 |
| 5.5 - 6.4 | - | 0.9 | 2.5 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 3.4 | 1266 |
| 6.5 - 7.4 | * | 1.0 | 3.5 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | 5.0 | 1857 |
| 7.5 - 8.4 | * | 2.2 | 4.7 | 1.9 | 0.1 | * | - | - | - | - | - | - | - | - | - | 9.0 | 3317 |
| 8.5 - 9.4 | * | 2.4 | 3.8 | 0.9 | 0.3 | 0.1 | - | - | - | - | - | - | - | - | - | 7.4 | 2751 |
| 9.5 - 10.4 | * | 2.8 | 6.0 | 1.3 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | - | 10.7 | 3970 |
| 10.5 - 11.4 | - | 2.8 | 7.4 | 2.2 | 0.8 | 0.1 | * | * | - | - | - | - | - | - | - | 13.3 | 4915 |
| 11.5 - 12.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 12.5 - 13.4 | - | 3.6 | 8.9 | 4.1 | 1.0 | 0.1 | * | * | * | - | - | - | - | - | - | 17.6 | 6529 |
| 13.5 - 14.4 | - | 4.4 | 7.7 | 4.8 | 1.6 | 0.3 | * | * | - | - | - | - | - | - | - | 18.8 | 6957 |
| 14.5 - 15.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 15.5 - 16.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 16.5 - 17.4 | - | 2.5 | 4.6 | 1.9 | 0.9 | 0.4 | 0.2 | * | - | - | - | - | - | - | - | 10.6 | 3918 |
| 17.5 - 18.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 18.5 - 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 19.5 - 20.4 | - | 0.4 | 1.1 | 0.7 | 0.1 | * | * | * | * | - | - | - | - | - | - | 2.4 | 886 |
| 20.5 - 21.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.5 - 22.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 22.5 - 23.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 23.5 - 24.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 24.5 - 25.4 | - | * | 0.1 | * | * | - | - | - | - | - | - | - | - | - | - | 0.1 | 55 |
| TOTAL % | 0.0 | 23.9 | 51.0 | 18.3 | 5.3 | 1.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 16 | 8846 | 18880 | 6787 | 1952 | 384 | 105 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 37000 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: JAN

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | * | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 9 |
| 4.5 - 5.4 | - | 0.5 | 1.4 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 2.1 | 229 |
| 5.5 - 6.4 | - | 1.2 | 5.3 | 1.3 | 0.1 | - | - | - | - | - | - | - | - | - | - | 7.9 | 869 |
| 6.5 - 7.4 | - | 2.4 | 8.3 | 4.3 | 0.9 | 0.1 | - | - | - | - | - | - | - | - | - | 16.0 | 1769 |
| 7.5 - 8.4 | - | 2.1 | 8.7 | 7.0 | 2.7 | 0.4 | - | - | - | - | - | - | - | - | - | 20.9 | 2309 |
| 8.5 - 9.4 | - | 1.8 | 8.6 | 7.0 | 2.8 | 0.5 | 0.1 | * | - | - | - | - | - | - | - | 20.9 | 2311 |
| 9.5 - 10.4 | - | 0.9 | 4.9 | 4.4 | 1.9 | 0.8 | 0.2 | 0.1 | - | - | - | - | - | - | - | 13.2 | 1458 |
| 10.5 - 11.4 | - | 0.6 | 2.6 | 2.8 | 1.5 | 0.6 | 0.2 | * | - | - | - | - | - | - | - | 8.3 | 919 |
| 11.5 - 12.4 | - | 0.1 | 1.4 | 2.2 | 1.0 | 0.3 | 0.3 | * | * | - | - | - | - | - | - | 5.3 | 587 |
| 12.5 - 13.4 | - | * | 0.5 | 1.3 | 0.7 | 0.3 | 0.1 | * | - | - | - | - | - | - | - | 3.0 | 334 |
| 13.5 - 14.4 | - | * | 0.3 | 0.4 | 0.5 | 0.1 | 0.1 | 0.1 | - | - | - | - | - | - | - | 1.5 | 161 |
| 14.5 - 15.4 | - | - | 0.1 | 0.2 | 0.1 | 0.1 | * | * | * | - | - | - | - | - | - | 0.6 | 70 |
| 15.5 - 16.4 | - | - | * | * | 0.1 | * | * | - | - | - | - | - | - | - | - | 0.1 | 16 |
| 16.5 - 17.4 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| TOTAL % | 0.0 | 9.7 | 42.3 | 31.1 | 12.3 | 3.4 | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1068 | 4669 | 3433 | 1363 | 370 | 111 | 27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 11043 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: FEB

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 7 |
| 4.5 - 5.4 | - | 1.1 | 1.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 2.8 | 301 |
| 5.5 - 6.4 | - | 1.8 | 6.2 | 2.3 | 0.1 | - | - | - | - | - | - | - | - | - | - | 10.4 | 1107 |
| 6.5 - 7.4 | - | 1.4 | 7.7 | 5.8 | 1.7 | 0.1 | - | - | - | - | - | - | - | - | - | 16.8 | 1791 |
| 7.5 - 8.4 | - | 1.8 | 9.1 | 7.6 | 2.6 | 0.5 | * | * | - | - | - | - | - | - | - | 21.6 | 2307 |
| 8.5 - 9.4 | - | 1.0 | 6.3 | 6.9 | 3.4 | 0.9 | 0.2 | * | * | - | - | - | - | - | - | 18.7 | 2001 |
| 9.5 - 10.4 | - | 0.6 | 3.5 | 4.9 | 3.2 | 1.2 | 0.3 | * | - | - | - | - | - | - | - | 13.8 | 1470 |
| 10.5 - 11.4 | - | 0.7 | 1.9 | 2.5 | 2.3 | 1.2 | 0.4 | 0.1 | * | - | - | - | - | - | - | 9.0 | 964 |
| 11.5 - 12.4 | - | 0.2 | 1.4 | 1.3 | 0.7 | 0.4 | 0.4 | 0.1 | - | - | - | - | - | - | - | 4.6 | 490 |
| 12.5 - 13.4 | - | * | 0.6 | 0.4 | 0.1 | 0.2 | 0.1 | 0.1 | - | - | - | - | - | - | - | 1.5 | 165 |
| 13.5 - 14.4 | - | - | 0.1 | 0.1 | 0.1 | 0.1 | * | * | * | - | - | - | - | - | - | 0.5 | 56 |
| 14.5 - 15.4 | - | - | * | * | * | * | * | - | - | - | - | - | - | - | - | 0.1 | 13 |
| 15.5 - 16.4 | - | - | * | * | * | * | - | - | - | - | - | - | - | - | - | 0.1 | 8 |
| TOTAL % | 0.0 | 8.7 | 38.5 | 32.0 | 14.3 | 4.7 | 1.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 925 | 4109 | 3415 | 1526 | 506 | 152 | 44 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | | 10680 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: MAR

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 21 |
| 4.5 - 5.4 | * | 0.7 | 1.2 | * | - | - | - | - | - | - | - | - | - | - | - | 2.0 | 233 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.5 - 6.4 | - | 1.8 | 7.7 | 3.5 | * | - | - | - | - | - | - | - | - | - | - | 13.0 | 1517 |
| 6.5 - 7.4 | * | 2.0 | 8.8 | 9.7 | 3.3 | 0.2 | * | - | - | - | - | - | - | - | - | 23.9 | 2786 |
| 7.5 - 8.4 | - | 2.0 | 6.5 | 8.1 | 4.9 | 1.0 | * | - | - | - | - | - | - | - | - | 22.6 | 2631 |
| 8.5 - 9.4 | - | 1.6 | 5.2 | 6.0 | 3.5 | 1.1 | 0.1 | * | - | - | - | - | - | - | - | 17.6 | 2044 |
| 9.5 - 10.4 | - | 1.0 | 3.2 | 3.2 | 2.7 | 0.7 | 0.2 | 0.1 | - | - | - | - | - | - | - | 11.1 | 1292 |
| 10.5 - 11.4 | - | 0.2 | 1.6 | 1.7 | 1.2 | 0.5 | 0.2 | * | * | - | - | - | - | - | - | 5.4 | 630 |
| 11.5 - 12.4 | - | 0.1 | 0.7 | 0.9 | 0.7 | 0.3 | 0.3 | * | * | - | - | - | - | - | - | 3.1 | 358 |
| 12.5 - 13.4 | - | * | 0.2 | 0.3 | 0.2 | * | * | * | * | - | - | - | - | - | - | 0.9 | 99 |
| 13.5 - 14.4 | - | - | * | * | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | 0.2 | 21 |
| 14.5 - 15.4 | - | - | * | * | * | - | - | - | - | - | - | - | - | - | - | 0.1 | 6 |
| TOTAL % | 0.0 | 9.6 | 35.3 | 33.4 | 16.6 | 3.9 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 5 | 1118 | 4104 | 3888 | 1927 | 457 | 105 | 29 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | 11638 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: APR

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 8 |
| 3.5 - 4.4 | - | 0.3 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | - | 1.0 | 104 |
| 4.5 - 5.4 | - | 3.0 | 4.4 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 7.7 | 818 |
| 5.5 - 6.4 | - | 3.0 | 11.6 | 6.0 | 0.2 | - | - | - | - | - | - | - | - | - | - | 20.9 | 2229 |
| 6.5 - 7.4 | - | 2.9 | 10.6 | 10.8 | 3.8 | 0.4 | - | - | - | - | - | - | - | - | - | 28.5 | 3037 |
| 7.5 - 8.4 | - | 2.3 | 7.2 | 5.7 | 4.9 | 2.0 | 0.3 | - | - | - | - | - | - | - | - | 22.4 | 2391 |
| 8.5 - 9.4 | - | 2.2 | 4.5 | 2.4 | 1.7 | 0.7 | 0.2 | * | - | - | - | - | - | - | - | 11.8 | 1256 |
| 9.5 - 10.4 | - | 1.2 | 1.8 | 1.2 | 0.5 | 0.3 | * | - | - | - | - | - | - | - | - | 4.9 | 526 |
| 10.5 - 11.4 | - | 0.2 | 0.7 | 0.4 | 0.4 | 0.2 | - | - | - | - | - | - | - | - | - | 1.9 | 200 |
| 11.5 - 12.4 | - | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | - | - | - | - | - | - | - | - | 0.6 | 69 |
| 12.5 - 13.4 | - | - | - | 0.1 | 0.1 | - | * | - | - | - | - | - | - | - | - | 0.2 | 18 |
| 13.5 - 14.4 | - | - | - | * | - | * | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 14.5 - 15.4 | - | - | - | * | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 15.5 - 16.4 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.1 | 6 |
| TOTAL % | 0.0 | 15.4 | 41.6 | 27.0 | 11.7 | 3.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1640 | 4442 | 2878 | 1250 | 389 | 67 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10669 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: MAY

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 1.0 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | - | 1.3 | 140 |
| 4.5 - 5.4 | - | 3.7 | 7.0 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | 11.2 | 1231 |
| 5.5 - 6.4 | - | 3.6 | 19.6 | 7.4 | 0.2 | - | - | - | - | - | - | - | - | - | - | 30.7 | 3376 |
| 6.5 - 7.4 | - | 3.9 | 12.8 | 8.4 | 3.3 | 0.2 | - | - | - | - | - | - | - | - | - | 28.6 | 3141 |
| 7.5 - 8.4 | - | 2.3 | 9.0 | 4.1 | 1.4 | 0.6 | * | - | - | - | - | - | - | - | - | 17.5 | 1923 |
| 8.5 - 9.4 | - | 1.1 | 3.6 | 1.7 | 0.3 | 0.2 | - | - | - | - | - | - | - | - | - | 6.8 | 751 |
| 9.5 - 10.4 | - | 0.4 | 1.4 | 0.6 | 0.2 | 0.1 | 0.1 | - | - | - | - | - | - | - | - | 2.8 | 306 |
| 10.5 - 11.4 | - | 0.2 | 0.4 | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | 0.8 | 84 |
| 11.5 - 12.4 | - | * | 0.1 | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | 0.2 | 27 |
| 12.5 - 13.4 | - | - | - | * | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 5 |
| 13.5 - 14.4 | - | - | - | * | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| TOTAL % | 0.0 | 16.3 | 54.2 | 22.8 | 5.6 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 0 | 1786 | 5950 | 2510 | 616 | 117 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10986 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: JUN

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.5 - 3.4 | - | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 14 |
| 3.5 - 4.4 | - | 1.3 | 0.6 | - | - | * | - | - | - | - | - | - | - | - | - | 1.9 | 252 |
| 4.5 - 5.4 | - | 3.2 | 7.1 | 0.7 | * | - | - | - | - | - | - | - | - | - | - | 11.1 | 1459 |
| 5.5 - 6.4 | - | 5.3 | 18.6 | 7.2 | * | - | - | - | - | - | - | - | - | - | - | 31.1 | 4099 |
| 6.5 - 7.4 | - | 5.4 | 11.6 | 9.5 | 1.2 | * | - | * | - | - | - | - | - | - | - | 27.8 | 3659 |
| 7.5 - 8.4 | - | 4.8 | 8.7 | 3.6 | 1.0 | 0.1 | - | - | - | - | - | - | - | - | - | 18.2 | 2397 |
| 8.5 - 9.4 | - | 1.6 | 4.5 | 1.6 | 0.3 | 0.1 | - | - | - | - | - | - | - | - | - | 8.0 | 1059 |
| 9.5 - 10.4 | - | 0.3 | 1.0 | 0.3 | * | - | - | - | - | - | - | - | - | - | - | 1.6 | 211 |
| 10.5 - 11.4 | - | 0.1 | 0.1 | - | * | - | - | - | - | - | - | - | - | - | - | 0.2 | 25 |
| 11.5 - 12.4 | - | - | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 12.5 - 13.4 | - | - | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| TOTAL % | 0.0 | 22.2 | 52.2 | 22.8 | 2.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 2 | 2925 | 6884 | 3005 | 343 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13180 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: JUL

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.7 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | - | 1.3 | 175 |
| 4.5 - 5.4 | - | 6.3 | 11.8 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 18.2 | 2519 |
| 5.5 - 6.4 | - | 8.7 | 22.9 | 5.0 | * | - | - | - | - | - | - | - | - | - | - | 36.6 | 5061 |
| 6.5 - 7.4 | - | 7.0 | 13.2 | 3.5 | 0.1 | - | - | - | - | - | - | - | - | - | - | 23.7 | 3281 |
| 7.5 - 8.4 | - | 5.0 | 8.8 | 0.9 | - | - | - | - | - | - | - | - | - | - | - | 14.8 | 2041 |
| 8.5 - 9.4 | - | 0.7 | 3.8 | 0.2 | * | - | - | - | - | - | - | - | - | - | - | 4.8 | 660 |
| 9.5 - 10.4 | - | 0.1 | 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | 0.6 | 84 |
| TOTAL % | 0.0 | 28.4 | 61.6 | 9.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 2 | 3931 | 8519 | 1359 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13823 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: AUG

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 3.5 - 4.4 | - | 1.1 | 1.3 | - | - | - | - | - | - | - | - | - | - | - | - | 2.4 | 334 |
| 4.5 - 5.4 | - | 7.8 | 13.0 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 21.0 | 2947 |
| 5.5 - 6.4 | - | 9.0 | 26.1 | 3.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | 38.3 | 5363 |
| 6.5 - 7.4 | - | 7.7 | 11.9 | 1.4 | 0.1 | - | - | - | - | - | - | - | - | - | - | 21.2 | 2975 |
| 7.5 - 8.4 | - | 4.4 | 6.1 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | 11.2 | 1568 |
| 8.5 - 9.4 | - | 0.9 | 3.5 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | 4.7 | 664 |
| 9.5 - 10.4 | - | 0.3 | 0.7 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 1.1 | 151 |
| 10.5 - 11.4 | - | * | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 9 |
| 11.5 - 12.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| TOTAL % | 0.0 | 31.4 | 62.7 | 5.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 4 | 4404 | 8788 | 798 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 14019 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: SEP

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.6 | 0.4 | - | - | - | - | - | - | - | - | - | - | - | - | 1.0 | 133 |
| 4.5 - 5.4 | - | 8.2 | 10.0 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | 18.6 | 2492 |
| 5.5 - 6.4 | - | 9.5 | 17.3 | 2.4 | 0.1 | - | - | - | - | - | - | - | - | - | - | 29.3 | 3935 |
| 6.5 - 7.4 | - | 6.9 | 11.5 | 2.1 | 0.3 | * | - | - | - | - | - | - | - | - | - | 20.8 | 2793 |
| 7.5 - 8.4 | - | 4.4 | 9.5 | 1.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | 15.5 | 2086 |
| 8.5 - 9.4 | - | 2.4 | 5.7 | 1.6 | 0.3 | * | - | - | - | - | - | - | - | - | - | 9.9 | 1334 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 - 10.4 | - | 0.4 | 1.9 | 0.9 | 0.3 | * | - | - | - | - | - | - | - | - | - | 3.4 | 455 |
| 10.5 - 11.4 | - | - | 0.4 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | - | - | 0.8 | 111 |
| 11.5 - 12.4 | - | - | 0.2 | 0.1 | 0.1 | - | - | - | - | - | - | - | - | - | - | 0.4 | 51 |
| 12.5 - 13.4 | - | - | * | * | * | - | - | - | - | - | - | - | - | - | - | 0.1 | 7 |
| 13.5 - 14.4 | - | - | - | 0.1 | * | - | - | - | - | - | - | - | - | - | - | 0.1 | 12 |
| 14.5 - 15.4 | - | - | - | * | * | * | - | - | - | - | - | - | - | - | - | 0.1 | 8 |
| TOTAL % | 0.0 | 32.4 | 56.7 | 9.5 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 4 | 4351 | 7616 | 1269 | 169 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 13421 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: OCT

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.4 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | - | 0.6 | 74 |
| 4.5 - 5.4 | * | 3.0 | 3.8 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 6.9 | 917 |
| 5.5 - 6.4 | * | 5.2 | 12.3 | 3.0 | 0.2 | - | - | - | - | - | - | - | - | - | - | 20.7 | 2743 |
| 6.5 - 7.4 | - | 5.5 | 12.7 | 5.5 | 1.4 | 0.1 | - | - | - | - | - | - | - | - | - | 25.2 | 3330 |
| 7.5 - 8.4 | - | 4.6 | 10.0 | 3.9 | 1.3 | 0.3 | - | - | - | - | - | - | - | - | - | 20.2 | 2668 |
| 8.5 - 9.4 | - | 2.8 | 7.3 | 3.4 | 0.9 | 0.1 | - | - | - | - | - | - | - | - | - | 14.5 | 1917 |
| 9.5 - 10.4 | - | 1.2 | 3.8 | 1.9 | 0.7 | 0.1 | - | - | - | - | - | - | - | - | - | 7.6 | 1009 |
| 10.5 - 11.4 | - | 0.2 | 1.6 | 0.7 | 0.2 | 0.1 | 0.1 | - | - | - | - | - | - | - | - | 2.7 | 359 |
| 11.5 - 12.4 | - | * | 0.5 | 0.4 | 0.1 | 0.1 | * | * | - | - | - | - | - | - | - | 1.2 | 153 |
| 12.5 - 13.4 | - | - | 0.1 | 0.1 | * | 0.1 | * | - | - | - | - | - | - | - | - | 0.3 | 37 |
| 13.5 - 14.4 | - | - | * | - | - | - | * | * | - | - | - | - | - | - | - | 0.1 | 10 |
| 14.5 - 15.4 | - | - | * | * | - | - | - | - | * | - | - | - | - | - | - | 0.0 | 4 |
| 15.5 - 16.4 | - | - | - | - | * | - | - | * | - | - | - | - | - | - | - | 0.0 | 2 |
| 16.5 - 17.4 | - | - | - | - | - | - | * | - | - | - | - | - | - | - | - | 0.0 | 1 |
| TOTAL % | 0.1 | 22.9 | 52.3 | 19.1 | 4.7 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 9 | 3032 | 6914 | 2522 | 617 | 107 | 20 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 13227 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: NOV

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | 0.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 12 |
| 3.5 - 4.4 | - | 0.2 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 22 |
| 4.5 - 5.4 | * | 1.6 | 1.2 | * | - | - | - | - | - | - | - | - | - | - | - | 2.8 | 291 |
| 5.5 - 6.4 | - | 2.8 | 6.9 | 1.2 | * | - | - | - | - | - | - | - | - | - | - | 10.9 | 1126 |
| 6.5 - 7.4 | - | 3.4 | 10.5 | 6.0 | 1.6 | 0.1 | * | - | - | - | - | - | - | - | - | 21.6 | 2239 |
| 7.5 - 8.4 | - | 3.0 | 9.5 | 7.4 | 2.8 | 0.2 | 0.1 | - | - | - | - | - | - | - | - | 23.0 | 2379 |
| 8.5 - 9.4 | - | 2.0 | 7.1 | 6.1 | 2.8 | 0.4 | * | 0.1 | - | - | - | - | - | - | - | 18.4 | 1910 |
| 9.5 - 10.4 | - | 0.9 | 4.0 | 4.4 | 1.8 | 0.5 | 0.1 | - | * | - | - | - | - | - | - | 11.7 | 1213 |
| 10.5 - 11.4 | - | 0.2 | 1.9 | 2.3 | 1.3 | 0.6 | 0.2 | * | - | - | - | - | - | - | - | 6.5 | 671 |
| 11.5 - 12.4 | - | * | 0.7 | 1.1 | 0.8 | 0.4 | 0.1 | 0.1 | - | - | - | - | - | - | - | 3.2 | 334 |
| 12.5 - 13.4 | - | - | 0.2 | 0.4 | 0.2 | 0.3 | 0.2 | * | - | - | - | - | - | - | - | 1.2 | 126 |
| 13.5 - 14.4 | - | - | * | 0.1 | * | * | 0.1 | - | - | - | - | - | - | - | - | 0.2 | 23 |
| 14.5 - 15.4 | - | - | - | - | * | * | * | - | - | - | - | - | - | - | - | 0.1 | 9 |
| TOTAL % | 0.0 | 14.1 | 42.0 | 28.9 | 11.3 | 2.6 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 1464 | 4353 | 2996 | 1167 | 266 | 84 | 23 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 10357 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Month: DEC

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 17 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.5 - 5.4 | - | 0.6 | 1.1 | * | - | - | - | - | - | - | - | - | - | - | - | 1.8 | 191 |
| 5.5 - 6.4 | - | 1.4 | 5.8 | 1.3 | * | - | - | - | - | - | - | - | - | - | - | 8.5 | 921 |
| 6.5 - 7.4 | - | 2.6 | 5.8 | 4.3 | 0.9 | * | - | - | - | - | - | - | - | - | - | 13.6 | 1477 |
| 7.5 - 8.4 | - | 3.0 | 5.4 | 7.0 | 2.2 | 0.4 | 0.1 | * | - | - | - | - | - | - | - | 18.1 | 1972 |
| 8.5 - 9.4 | - | 2.0 | 6.4 | 5.5 | 3.9 | 1.0 | 0.3 | 0.2 | * | - | - | - | - | - | - | 19.4 | 2111 |
| 9.5 - 10.4 | - | 1.8 | 4.7 | 4.8 | 2.6 | 1.3 | 0.2 | * | * | - | - | - | - | - | - | 15.4 | 1673 |
| 10.5 - 11.4 | - | 0.7 | 3.9 | 3.2 | 1.6 | 0.7 | 0.2 | * | - | - | - | - | - | - | - | 10.3 | 1119 |
| 11.5 - 12.4 | - | 0.2 | 3.0 | 1.8 | 1.2 | 0.6 | 0.3 | 0.1 | - | - | - | - | - | - | - | 7.2 | 786 |
| 12.5 - 13.4 | - | * | 1.0 | 1.1 | 1.0 | 0.4 | 0.2 | 0.1 | - | - | - | - | - | - | - | 3.8 | 415 |
| 13.5 - 14.4 | - | - | 0.1 | 0.5 | 0.3 | 0.2 | * | * | - | - | - | - | - | - | - | 1.1 | 125 |
| 14.5 - 15.4 | - | - | * | 0.3 | 0.1 | * | - | - | - | - | - | - | - | - | - | 0.4 | 47 |
| 15.5 - 16.4 | - | - | - | 0.1 | * | - | - | - | - | - | - | - | - | - | - | 0.1 | 12 |
| 16.5 - 17.4 | - | - | - | - | * | - | - | - | - | - | - | - | - | - | - | 0.0 | 2 |
| TOTAL % | 0.0 | 12.4 | 37.2 | 30.0 | 13.9 | 4.6 | 1.4 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 1349 | 4049 | 3259 | 1506 | 496 | 147 | 55 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | | 10871 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

All Months: Annual

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 20 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 36 |
| 3.5 - 4.4 | - | 0.5 | 0.4 | - | - | * | - | - | - | - | - | - | - | - | - | 0.9 | 1288 |
| 4.5 - 5.4 | * | 3.5 | 5.7 | 0.2 | * | - | - | - | - | - | - | - | - | - | - | 9.5 | 13628 |
| 5.5 - 6.4 | * | 4.7 | 14.0 | 3.7 | 0.1 | - | - | - | - | - | - | - | - | - | - | 22.5 | 32346 |
| 6.5 - 7.4 | * | 4.5 | 10.6 | 5.8 | 1.5 | 0.1 | * | * | - | - | - | - | - | - | - | 22.4 | 32278 |
| 7.5 - 8.4 | - | 3.4 | 8.2 | 4.5 | 1.9 | 0.4 | * | * | - | - | - | - | - | - | - | 18.5 | 26672 |
| 8.5 - 9.4 | - | 1.7 | 5.5 | 3.4 | 1.5 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | 12.5 | 18018 |
| 9.5 - 10.4 | - | 0.7 | 2.5 | 2.1 | 1.1 | 0.4 | 0.1 | * | * | - | - | - | - | - | - | 6.8 | 9848 |
| 10.5 - 11.4 | - | 0.2 | 1.2 | 1.1 | 0.6 | 0.3 | 0.1 | * | * | - | - | - | - | - | - | 3.5 | 5091 |
| 11.5 - 12.4 | - | 0.1 | 0.6 | 0.6 | 0.4 | 0.2 | 0.1 | * | * | - | - | - | - | - | - | 2.0 | 2859 |
| 12.5 - 13.4 | - | * | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | * | * | - | - | - | - | - | - | 0.8 | 1207 |
| 13.5 - 14.4 | - | * | * | 0.1 | 0.1 | * | * | * | * | - | - | - | - | - | - | 0.3 | 413 |
| 14.5 - 15.4 | - | - | * | * | * | * | * | * | * | - | - | - | - | - | - | 0.1 | 161 |
| 15.5 - 16.4 | - | - | * | * | * | * | * | * | - | - | - | - | - | - | - | 0.0 | 44 |
| 16.5 - 17.4 | - | - | - | - | * | * | * | - | - | - | - | - | - | - | - | 0.0 | 5 |
| TOTAL % | 0.0 | 19.5 | 48.9 | 21.8 | 7.3 | 1.9 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 32 | 27993 | 70397 | 31332 | 10521 | 2739 | 694 | 187 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | | 143914 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Months: DEC, JAN, FEB (Winter)

| | WAVE HEIGHT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 3 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 3.5 - 4.4 | - | 0.1 | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.1 | 33 |
| 4.5 - 5.4 | - | 0.7 | 1.4 | 0.1 | - | - | - | - | - | - | - | - | - | - | - | 2.2 | 721 |
| 5.5 - 6.4 | - | 1.5 | 5.7 | 1.6 | 0.1 | - | - | - | - | - | - | - | - | - | - | 8.9 | 2897 |
| 6.5 - 7.4 | - | 2.2 | 7.3 | 4.8 | 1.2 | 0.1 | - | - | - | - | - | - | - | - | - | 15.5 | 5037 |
| 7.5 - 8.4 | - | 2.3 | 7.8 | 7.2 | 2.5 | 0.4 | * | * | - | - | - | - | - | - | - | 20.2 | 6588 |
| 8.5 - 9.4 | - | 1.6 | 7.1 | 6.5 | 3.4 | 0.8 | 0.2 | 0.1 | * | - | - | - | - | - | - | 19.7 | 6423 |
| 9.5 - 10.4 | - | 1.1 | 4.4 | 4.7 | 2.6 | 1.1 | 0.2 | 0.1 | * | - | - | - | - | - | - | 14.1 | 4601 |
| 10.5 - 11.4 | - | 0.6 | 2.8 | 2.8 | 1.8 | 0.8 | 0.3 | 0.1 | * | - | - | - | - | - | - | 9.2 | 3002 |
| 11.5 - 12.4 | - | 0.2 | 1.9 | 1.8 | 1.0 | 0.4 | 0.3 | 0.1 | * | - | - | - | - | - | - | 5.7 | 1863 |
| 12.5 - 13.4 | - | * | 0.7 | 0.9 | 0.6 | 0.3 | 0.2 | 0.1 | - | - | - | - | - | - | - | 2.8 | 914 |
| 13.5 - 14.4 | - | * | 0.2 | 0.3 | 0.3 | 0.2 | * | * | * | - | - | - | - | - | - | 1.0 | 342 |
| 14.5 - 15.4 | - | - | * | 0.2 | 0.1 | 0.1 | * | * | * | - | - | - | - | - | - | 0.4 | 130 |
| 15.5 - 16.4 | - | - | * | * | * | * | * | - | - | - | - | - | - | - | - | 0.1 | 36 |
| 16.5 - 17.4 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| TOTAL % | 0.0 | 10.3 | 39.4 | 31.0 | 13.5 | 4.2 | 1.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 3 | 3342 | 12827 | 10107 | 4395 | 1372 | 410 | 126 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | | 32594 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Months: MAR, APR, MAY (Spring)

WAVE HEIGHT

| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| < 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 8 |
| 3.5 - 4.4 | - | 0.5 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | - | 0.8 | 265 |
| 4.5 - 5.4 | * | 2.4 | 4.2 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 6.9 | 2282 |
| 5.5 - 6.4 | - | 2.8 | 12.9 | 5.6 | 0.2 | - | - | - | - | - | - | - | - | - | - | 21.4 | 7122 |
| 6.5 - 7.4 | * | 2.9 | 10.7 | 9.6 | 3.5 | 0.2 | * | - | - | - | - | - | - | - | - | 26.9 | 8964 |
| 7.5 - 8.4 | - | 2.2 | 7.6 | 6.0 | 3.8 | 1.2 | 0.1 | - | - | - | - | - | - | - | - | 20.9 | 6945 |
| 8.5 - 9.4 | - | 1.6 | 4.4 | 3.4 | 1.9 | 0.7 | 0.1 | * | - | - | - | - | - | - | - | 12.2 | 4051 |
| 9.5 - 10.4 | - | 0.9 | 2.2 | 1.7 | 1.1 | 0.4 | 0.1 | * | - | - | - | - | - | - | - | 6.4 | 2124 |
| 10.5 - 11.4 | - | 0.2 | 0.9 | 0.8 | 0.5 | 0.2 | 0.1 | * | * | - | - | - | - | - | - | 2.7 | 914 |
| 11.5 - 12.4 | - | 0.1 | 0.3 | 0.4 | 0.3 | 0.1 | 0.1 | * | * | - | - | - | - | - | - | 1.4 | 454 |
| 12.5 - 13.4 | - | * | 0.1 | 0.1 | 0.1 | * | * | * | * | - | - | - | - | - | - | 0.4 | 122 |
| 13.5 - 14.4 | - | - | * | * | * | * | - | - | - | - | - | - | - | - | - | 0.1 | 26 |
| 14.5 - 15.4 | - | - | * | * | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 10 |
| 15.5 - 16.4 | - | - | - | - | * | * | - | - | - | - | - | - | - | - | - | 0.0 | 6 |
| TOTAL % | 0.0 | 13.6 | 43.5 | 27.9 | 11.4 | 2.9 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 5 | 4544 | 14496 | 9276 | 3793 | 963 | 179 | 32 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | 33293 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Months: JUN, JUL, AUG (Summer)

WAVE HEIGHT

| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 8 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 16 |
| 3.5 - 4.4 | - | 1.0 | 0.8 | - | - | * | - | - | - | - | - | - | - | - | - | 1.9 | 761 |
| 4.5 - 5.4 | - | 5.8 | 10.7 | 0.3 | * | - | - | - | - | - | - | - | - | - | - | 16.9 | 6925 |
| 5.5 - 6.4 | - | 7.7 | 22.6 | 5.0 | * | - | - | - | - | - | - | - | - | - | - | 35.4 | 14523 |
| 6.5 - 7.4 | - | 6.8 | 12.2 | 4.7 | 0.5 | * | - | * | - | - | - | - | - | - | - | 24.2 | 9915 |
| 7.5 - 8.4 | - | 4.8 | 7.8 | 1.7 | 0.3 | * | - | - | - | - | - | - | - | - | - | 14.6 | 6006 |
| 8.5 - 9.4 | - | 1.1 | 3.9 | 0.7 | 0.1 | * | - | - | - | - | - | - | - | - | - | 5.8 | 2383 |
| 9.5 - 10.4 | - | 0.3 | 0.7 | 0.1 | * | - | - | - | - | - | - | - | - | - | - | 1.1 | 446 |
| 10.5 - 11.4 | - | * | * | - | * | - | - | - | - | - | - | - | - | - | - | 0.1 | 34 |
| 11.5 - 12.4 | - | * | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 4 |
| 12.5 - 13.4 | - | - | * | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| TOTAL % | 0.0 | 27.4 | 59.0 | 12.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 8 | 11260 | 24191 | 5162 | 380 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 41022 |

(* < 0.05%)

STATION: 46023

6 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS AVERAGE WAVE PERIOD(SECONDS)

Months: SEP, OCT, NOV (Autumn)

WAVE HEIGHT

| WAVE PERIOD | 0.0-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-5.4 | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10.4 | 10.5-11.4 | 11.5-12.4 | 12.5-13.4 | >13.4 | TOT % | TOT N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| < 0.5 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 9 |
| 0.5 - 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 1.5 - 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 2.5 - 3.4 | - | * | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 12 |
| 3.5 - 4.4 | - | 0.4 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | - | 0.6 | 229 |
| 4.5 - 5.4 | * | 4.5 | 5.3 | 0.2 | - | - | - | - | - | - | - | - | - | - | - | 10.0 | 3700 |
| 5.5 - 6.4 | * | 6.1 | 12.6 | 2.3 | 0.1 | - | - | - | - | - | - | - | - | - | - | 21.1 | 7804 |
| 6.5 - 7.4 | - | 5.4 | 11.7 | 4.4 | 1.0 | * | * | - | - | - | - | - | - | - | - | 22.6 | 8362 |
| 7.5 - 8.4 | - | 4.1 | 9.7 | 4.0 | 1.3 | 0.2 | * | - | - | - | - | - | - | - | - | 19.3 | 7133 |
| 8.5 - 9.4 | - | 2.4 | 6.6 | 3.5 | 1.2 | 0.1 | * | * | - | - | - | - | - | - | - | 13.9 | 5161 |
| 9.5 - 10.4 | - | 0.8 | 3.2 | 2.2 | 0.9 | 0.2 | * | - | * | - | - | - | - | - | - | 7.2 | 2677 |
| 10.5 - 11.4 | - | 0.1 | 1.2 | 1.0 | 0.4 | 0.2 | 0.1 | * | - | - | - | - | - | - | - | 3.1 | 1141 |
| 11.5 - 12.4 | - | * | 0.4 | 0.5 | 0.3 | 0.1 | * | * | - | - | - | - | - | - | - | 1.5 | 538 |
| 12.5 - 13.4 | - | - | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | * | - | - | - | - | - | - | - | 0.5 | 170 |
| 13.5 - 14.4 | - | - | * | * | * | * | * | * | - | - | - | - | - | - | - | 0.1 | 45 |
| 14.5 - 15.4 | - | - | * | * | * | * | * | - | * | - | - | - | - | - | - | 0.1 | 21 |
| 15.5 - 16.4 | - | - | - | - | * | - | - | * | - | - | - | - | - | - | - | 0.0 | 2 |
| 16.5 - 17.4 | - | - | - | - | - | - | * | - | - | - | - | - | - | - | - | 0.0 | 1 |
| TOTAL % | 0.0 | 23.9 | 51.0 | 18.3 | 5.3 | 1.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| TOTAL N | 16 | 8847 | 18883 | 6787 | 1953 | 384 | 105 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 37005 |

(* < 0.05%)

Summary complete: 09-Sep-2003 05:19:05