

STATION: 46013

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (4/1981 - 12/2001) (154279 RECORDS, 96.3% HAVE ELEMENT)

Table with 13 columns for months (JAN-DEC) and ANN, and 13 sub-columns for Frequency (F) and Percent Frequency (CPF). Data rows include values for various temperature points (11 to -10), MEAN, S.D., TOTAL, MAX, and DATE/MIN for 1991012123 and 1992012317.

STATION: 46013

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (3/1989 - 7/2001) (30051 RECORDS, 18.8% HAVE ELEMENT)

Table with 13 columns for months (JAN-DEC) and ANN, and 13 sub-columns for Frequency (F) and Percent Frequency (CPF). Data rows include values for various temperature points (18 to -12), MEAN, S.D., and DATE/MIN for 1991012123 and 1992012317.

DATE 1995010704 1987022305 2001030419 1991041102 2001050201 1981062700 1989071002 2001082902 1982092903 1994101502 1982113022 2001121014 2001121014
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 1991011102 1991020910 1987030112 2000040301 1984050113 2000062612 2001071002 2001081221 2001092323 2001102822 2001111907 1988121811 2001111907
(* < 0.05% , # = 100.0%)

STATION: 46013

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (3/1998 - 12/2001) (32083 RECORDS, 16.1% HAVE ELEMENT)

Table with 13 columns for months (JAN-DEC) and ANN (Annual), each with F and CPF sub-columns. Rows contain wind gust frequency data for various wind speeds from 0 to 55 knots. Summary statistics (MEAN, S.D., TOTAL, MAX) are provided at the bottom.

DATE 2001011018 2001020622 2001030417 1999040323 2001050200 2001060400 1999070207 2001082902 2000091400 2000102123 2001112415 2001121014 2001121014
MIN 2.9 2.5 2.3 2.1 1.7 1.4 1.0 0.0 1.2 0.2 1.4 0.0 0.0
DATE 1999010223 1999022702 2001032307 2000041917 2001051219 2000060217 2001071001 2001081220 1998093022 2001100700 2001110806 2001123013 2001123013
(* < 0.05% , # = 100.0%)

STATION: 46013

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (4/1981 - 12/2001) (151183 RECORDS, 94.4% HAVE ELEMENT)

Table with columns for months (JAN-DEC) and ANN, and sub-columns for frequency (F) and cumulative percent (CPF). Rows show data for wave heights from 9.0 to 0.0 meters, including MEAN, S.D., TOTAL, and MAX values.

STATION: 46013

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (4/1981 - 12/2001) (151163 RECORDS, 94.3% HAVE ELEMENT)

Table with columns for months (JAN-DEC) and ANN, and sub-columns for frequency (F) and cumulative percent (CPF). Rows show data for wave periods from 17 to 3 seconds, including MEAN, S.D., TOTAL, and MAX values.

STATION: 46013

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (4/1981 - 12/2001) (151153 RECORDS, 94.3% HAVE ELEMENT)

Table header for dominant wave period with columns for months (JAN-DEC) and ANN, and sub-columns for frequency (F) and cumulative percent (CPF).

	DAY-HR	01-07	24-03	19-22	20-07	-	-	-	-	-	-	-	-	FEB
	MINIMUM	5.0	8.7	8.7	0.0	-	-	-	-	-	-	-	-	0.0
	DAY-HR	14-11	27-14	18-11	16-10	-	-	-	-	-	-	-	-	APR
	# OBS	618	632	708	438	-	-	-	-	-	-	-	-	2396
1998	MEAN	-	-	11.7	10.9	12.3	12.7	12.3	12.4	13.2	13.1	11.9	10.0	12.1
	MAXIMUM	-	-	13.9	13.1	15.0	14.9	15.3	15.4	15.7	15.9	14.2	13.4	15.9
	DAY-HR	-	-	23-19	24-00	03-21	02-00	31-01	01-02	14-02	22-00	07-17	03-09	OCT
	MINIMUM	-	-	7.5	8.4	9.9	9.8	9.4	10.1	10.7	9.2	9.4	4.8	4.8
	DAY-HR	-	-	31-23	13-14	12-00	18-15	07-14	27-13	02-13	19-16	12-14	20-20	DEC
	# OBS	-	-	183	660	700	681	730	781	708	701	717	738	6599
1999	MEAN	10.1	9.9	9.7	9.7	9.4	10.4	11.5	13.1	12.4	12.2	12.5	11.0	10.9
	MAXIMUM	12.9	12.1	11.7	14.4	11.7	12.3	14.3	15.3	15.5	15.5	14.3	17.3	17.3
	DAY-HR	20-23	09-09	20-22	16-20	31-21	30-23	28-23	22-03	13-04	16-17	19-23	22-09	DEC
	MINIMUM	5.9	6.7	7.4	5.9	8.2	8.7	8.4	10.5	10.0	9.1	10.5	7.4	5.9
	DAY-HR	10-16	11-17	14-20	08-21	14-14	12-15	10-15	25-17	17-13	19-16	14-07	25-16	APR
	# OBS	739	660	716	716	737	712	731	725	621	559	678	736	8330
2000	MEAN	11.1	11.5	10.6	11.3	11.6	11.6	11.9	12.0	14.0	12.6	11.0	11.5	11.7
	MAXIMUM	14.2	14.7	16.5	19.6	13.6	14.1	14.8	15.6	19.4	17.5	14.3	14.1	19.6
	DAY-HR	15-23	20-00	31-17	01-15	23-03	18-22	13-02	09-21	18-20	23-07	04-03	05-22	APR
	MINIMUM	8.9	8.2	8.4	8.8	9.6	9.1	9.4	8.9	9.5	10.3	7.8	7.8	7.8
	DAY-HR	28-17	25-02	08-19	11-17	31-13	01-14	06-16	03-07	12-12	15-16	14-18	29-13	DEC
	# OBS	709	674	706	683	707	709	742	743	718	736	717	740	8584
2001	MEAN	10.8	10.2	11.0	9.6	10.7	11.2	11.5	12.6	12.4	12.3	11.9	11.1	11.3
	MAXIMUM	14.2	13.5	14.4	11.4	15.4	14.7	13.9	15.9	15.7	15.3	15.0	13.8	15.9
	DAY-HR	04-01	28-13	21-01	30-02	03-14	01-00	26-21	11-00	25-21	15-00	24-14	02-18	AUG
	MINIMUM	8.2	5.5	8.2	6.6	9.2	9.4	9.2	9.6	9.7	9.1	8.5	9.0	5.5
	DAY-HR	26-01	12-20	13-08	08-16	10-13	06-16	09-12	16-15	18-12	19-13	01-12	16-15	FEB
	# OBS	741	672	736	717	743	713	743	742	718	743	717	426	8411
POR	MEAN	10.8	11.0	11.0	10.9	11.2	11.6	12.2	12.9	13.3	13.1	12.2	11.0	11.8
	MAXIMUM	16.0	17.7	16.9	19.6	16.1	17.8	17.3	19.2	20.7	23.7	19.5	17.7	23.7
	YEAR	1994	1987	1987	2000	1993	1987	1988	1987	1983	1987	1990	1982	OCT/1987
	MINIMUM	4.2	2.3	5.6	0.0	7.8	8.3	6.3	8.7	8.9	8.5	6.2	0.8	0.0
	YEAR	1992	1989	1982	1997	1989	1985	1985	1981	1993	1981	1985	1990	APR/1997
	# OBS	13076	11036	11937	13238	13221	12989	14090	13338	13492	14340	13815	13418	157990

STATION: 46013 -- POR (4/1981 - 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
1981	MEAN	-	-	-	9.1	9.2	9.4	10.1	10.5	11.6	11.9	13.7	12.9	10.9
	MAXIMUM	-	-	-	11.1	11.7	11.6	12.1	12.7	14.3	14.1	14.9	13.5	14.9
	DAY-HR	-	-	-	01-01	19-18	30-01	03-20	19-23	16-22	31-23	18-02	15-00	NOV
	MINIMUM	-	-	-	8.1	8.0	8.5	9.1	9.5	9.6	10.0	12.9	11.9	8.0
	DAY-HR	-	-	-	09-20	10-16	23-14	19-11	05-18	02-15	05-16	04-17	31-18	MAY
	# OBS	-	-	-	717	742	715	741	744	708	719	718	735	6539
1982	MEAN	11.4	11.9	11.8	11.9	9.8	11.3	11.0	11.5	12.6	13.4	14.4	13.3	12.0
	MAXIMUM	12.6	13.4	13.0	13.7	14.0	15.1	13.5	14.5	15.7	15.3	15.5	14.1	15.7
	DAY-HR	31-23	20-01	11-21	22-23	31-02	29-11	19-00	14-21	18-22	25-07	04-22	01-23	SEP
	MINIMUM	10.1	10.2	10.9	10.0	8.6	9.1	9.7	9.6	10.2	11.2	13.7	11.5	8.6
	DAY-HR	07-21	25-15	17-12	29-14	23-10	07-14	16-18	02-23	08-07	08-14	27-09	20-12	MAY
	# OBS	731	668	706	718	741	718	744	743	719	737	720	743	8688
1983	MEAN	13.2	13.7	12.6	11.9	11.7	10.5	11.7	14.3	15.7	15.2	14.7	12.9	13.2
	MAXIMUM	14.5	14.3	12.8	13.4	14.5	12.8	13.9	17.1	17.5	18.1	16.3	13.6	18.1
	DAY-HR	30-22	15-00	31-23	02-01	06-22	06-20	20-01	23-02	23-22	10-22	06-00	03-14	OCT
	MINIMUM	12.2	12.8	12.4	10.2	9.5	9.1	10.3	11.3	14.4	12.5	13.2	12.2	9.1
	DAY-HR	08-20	04-16	31-14	14-14	18-18	21-20	16-16	01-09	18-08	23-09	30-23	29-12	JUN
	# OBS	740	340	49	684	740	709	742	741	719	737	717	637	7555
1984	MEAN	11.9	12.0	11.5	9.9	9.5	9.1	12.1	12.5	13.1	12.9	12.5	12.2	11.6
	MAXIMUM	12.7	13.1	12.6	11.6	12.5	10.5	15.3	15.1	15.2	16.4	13.5	13.5	16.4
	DAY-HR	01-00	07-01	10-01	05-13	03-19	07-00	24-20	29-02	19-22	08-16	14-00	07-00	OCT
	MINIMUM	11.1	10.8	9.3	8.0	8.0	8.5	9.3	10.0	11.7	10.9	11.0	11.3	8.0
	DAY-HR	28-17	25-20	29-16	28-16	27-11	13-17	01-14	05-20	03-12	27-19	02-17	31-15	MAY
	# OBS	742	693	738	716	735	715	736	406	717	741	712	730	8381
1985	MEAN	11.6	10.6	9.6	9.4	9.3	10.8	11.4	12.5	13.2	11.7	10.3	11.1	11.0
	MAXIMUM	12.4	11.5	10.9	10.9	11.5	13.2	14.1	15.8	15.9	14.4	11.7	11.7	15.9
	DAY-HR	28-00	01-02	15-00	16-00	18-01	22-08	31-23	19-06	10-22	04-00	10-11	08-23	SEP
	MINIMUM	11.2	9.4	8.7	8.1	8.1	9.1	9.7	10.5	10.5	10.0	9.7	10.1	8.1
	DAY-HR	17-18	23-15	31-16	28-11	09-14	14-16	07-04	08-15	01-10	18-22	23-17	01-08	MAY

	# OBS	618	510	-	-	-	-	-	-	-	-	-	-	1128
1998	MEAN	-	-	12.9	11.9	12.4	12.4	11.3	12.5	13.1	12.7	11.9	11.2	12.2
	MAXIMUM	-	-	13.5	13.7	14.3	14.5	14.8	14.8	15.0	16.3	13.8	12.8	16.3
	DAY-HR	-	-	26-00	14-21	07-23	03-03	31-23	01-01	14-02	21-23	27-21	02-23	OCT
	MINIMUM	-	-	11.7	10.2	10.5	10.6	9.7	11.5	11.7	10.7	10.7	9.7	9.7
	DAY-HR	-	-	30-15	27-15	01-00	16-10	05-16	25-13	22-02	31-17	07-16	22-18	DEC
	# OBS	-	-	184	660	699	680	732	779	709	693	714	738	6588
1999	MEAN	10.8	10.4	10.5	9.7	8.3	9.2	10.8	12.1	13.4	12.5	12.5	11.2	10.6
	MAXIMUM	11.8	11.3	11.5	12.2	11.1	11.4	14.4	15.1	22.2	13.1	13.3	12.7	22.2
	DAY-HR	20-06	26-22	24-02	16-20	31-00	02-00	29-23	07-21	03-00	13-22	21-02	28-23	SEP
	MINIMUM	9.9	9.7	9.8	8.5	7.0	8.3	8.5	9.8	9.8	12.0	11.6	9.8	7.0
	DAY-HR	03-10	11-12	17-16	30-16	14-11	22-04	08-16	31-22	01-02	13-05	07-17	22-13	MAY
	# OBS	738	660	714	713	733	710	729	722	82	24	678	735	7238
2000	MEAN	11.4	11.9	10.8	10.9	10.6	10.6	10.7	10.7	13.6	12.4	11.2	11.8	11.4
	MAXIMUM	12.1	12.9	12.3	13.4	13.5	13.0	15.2	14.0	17.8	13.7	13.1	12.5	17.8
	DAY-HR	05-23	22-02	02-23	19-21	16-02	28-20	13-23	10-00	19-00	13-23	04-00	15-10	SEP
	MINIMUM	10.9	11.1	9.0	9.5	8.6	8.8	9.3	9.5	11.1	10.9	10.0	11.0	8.6
	DAY-HR	24-15	01-13	21-16	30-14	31-13	01-15	30-15	19-19	11-12	22-12	14-17	28-17	MAY
	# OBS	709	674	706	683	705	708	739	743	719	732	717	744	8579
2001	MEAN	11.5	10.7	11.2	9.5	9.8	9.5	10.9	11.5	11.6	11.6	11.9	11.6	10.9
	MAXIMUM	12.1	11.6	13.8	11.7	12.2	11.4	12.8	14.5	13.7	14.9	13.3	12.8	14.9
	DAY-HR	11-14	27-22	21-00	17-21	31-23	01-01	26-21	10-22	27-00	02-04	21-22	07-23	OCT
	MINIMUM	10.8	9.5	9.8	8.8	8.7	8.6	9.9	9.7	10.1	10.0	10.4	9.5	8.6
	DAY-HR	31-17	14-08	31-12	14-13	03-14	13-14	06-19	29-10	05-19	26-19	08-16	16-05	JUN
	# OBS	740	671	736	714	740	713	743	740	717	743	718	425	8400
POR	MEAN	11.8	11.8	11.5	10.8	10.3	10.3	11.2	12.1	12.9	13.0	12.5	12.0	11.7
	MAXIMUM	14.5	15.3	14.9	14.9	15.6	16.4	16.1	18.0	22.2	18.1	16.8	14.4	22.2
	YEAR	1983	1996	1996	1996	1993	1993	1988	1987	1999	1983	1993	1995	SEP/1999
	MINIMUM	9.4	9.0	8.6	8.0	7.0	8.2	8.3	9.4	9.6	10.0	9.7	9.4	7.0
	YEAR	1991	1987	1988	1984	1999	1987	1988	1996	1981	2001	1985	1990	MAY/1999
	# OBS	13072	10893	11224	12792	13206	12680	13341	13219	12950	13781	13807	13419	154384

STATION: 46013 -- POR (3/1989 - 7/2001)

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	-	-	8.5	8.2	9.2	10.7	11.0	11.9	14.1	11.6	10.6	8.5	10.2
	MAXIMUM	-	-	11.7	13.1	12.2	14.3	13.7	14.0	15.9	15.6	13.7	12.5	15.9
	DAY-HR	-	-	21-18	20-19	24-22	06-01	31-23	08-00	27-21	09-22	04-00	04-22	SEP
	MINIMUM	-	-	2.0	-0.9	4.8	8.5	8.3	9.7	12.2	1.8	4.4	4.6	-0.9
	DAY-HR	-	-	27-03	24-08	06-15	28-15	23-14	03-13	28-15	29-13	29-11	25-18	APR
	# OBS	-	-	389	718	311	653	709	272	97	741	718	562	5170
1990	MEAN	8.5	6.0	8.5	10.2	10.0	11.4	12.4	13.1	13.3	10.3	8.0	4.5	9.7
	MAXIMUM	13.4	10.9	12.4	13.6	13.4	15.4	16.0	17.0	16.7	14.0	12.9	11.3	17.0
	DAY-HR	12-19	24-22	17-23	20-19	30-22	03-20	06-00	28-20	04-22	05-06	25-19	05-09	AUG
	MINIMUM	0.8	-8.5	1.7	3.2	7.4	8.7	9.3	10.7	9.7	6.2	0.0	-11.3	-11.3
	DAY-HR	02-18	14-19	08-18	30-17	14-21	13-13	26-12	02-07	19-14	09-20	12-00	22-03	DEC
	# OBS	741	669	742	710	732	715	738	743	713	740	718	741	8702
1991	MEAN	7.0	10.2	8.5	-	-	9.3	10.2	-	-	-	-	-	8.8
	MAXIMUM	11.2	11.7	13.6	-	-	13.2	12.0	-	-	-	-	-	13.6
	DAY-HR	12-05	28-23	04-19	-	-	29-04	03-20	-	-	-	-	-	MAR
	MINIMUM	-1.7	8.1	2.2	-	-	4.8	7.2	-	-	-	-	-	-1.7
	DAY-HR	01-20	27-17	06-14	-	-	14-07	05-09	-	-	-	-	-	JAN
	# OBS	234	39	183	-	-	465	105	-	-	-	-	-	1026
1999	MEAN	-	-	-	-	-	-	-	-	-	10.9	10.9	8.0	9.8
	MAXIMUM	-	-	-	-	-	-	-	-	-	14.3	13.3	12.1	14.3
	DAY-HR	-	-	-	-	-	-	-	-	-	28-02	15-16	02-17	OCT
	MINIMUM	-	-	-	-	-	-	-	-	-	8.3	4.2	0.6	0.6
	DAY-HR	-	-	-	-	-	-	-	-	-	23-14	22-16	22-09	DEC
	# OBS	-	-	-	-	-	-	-	-	-	559	678	736	1973
2000	MEAN	9.2	9.4	7.7	9.3	9.8	11.0	11.5	11.6	13.4	11.6	9.5	9.9	10.4
	MAXIMUM	12.6	13.3	11.8	12.8	12.7	13.5	14.6	14.1	17.4	14.6	13.1	13.1	17.4
	DAY-HR	19-17	14-05	05-01	03-02	08-11	28-01	13-02	04-22	20-01	09-22	29-14	14-09	SEP
	MINIMUM	4.1	3.6	-0.1	0.5	5.3	8.3	9.3	8.8	9.5	0.6	4.1	4.3	-0.1
	DAY-HR	05-18	24-13	31-17	01-15	10-22	01-00	06-16	02-14	12-12	23-07	13-12	18-12	MAR
	# OBS	708	674	706	683	706	709	742	742	718	735	715	741	8579
2001	MEAN	8.3	8.4	10.1	8.4	10.3	10.8	11.2	-	-	-	-	-	9.5

	MAXIMUM	12.6	12.4	13.6	11.4	14.6	14.7	13.0	-	-	-	-	-	14.7
	DAY-HR	10-02	05-04	20-23	17-10	31-23	01-00	08-20	-	-	-	-	-	JUN
	MINIMUM	-4.4	-1.0	5.9	3.3	1.3	8.9	9.2	-	-	-	-	-	-4.4
	DAY-HR	16-17	28-15	02-22	03-08	03-14	03-16	09-12	-	-	-	-	-	JAN
	# OBS	741	672	735	714	742	712	285	-	-	-	-	-	4601
POR	MEAN	8.5	8.0	8.7	9.0	9.9	10.7	11.5	12.3	13.4	11.1	9.7	7.7	9.9
	MAXIMUM	13.4	13.3	13.6	13.6	14.6	15.4	16.0	17.0	17.4	15.6	13.7	13.1	17.4
	YEAR	1990	2000	2001	1990	2001	1990	1990	1990	2000	1989	1989	2000	SEP/2000
	MINIMUM	-4.4	-8.5	-0.1	-0.9	1.3	4.8	7.2	8.8	9.5	0.6	0.0	-11.3	-11.3
	YEAR	2001	1990	2000	1989	2001	1991	1991	2000	2000	2000	1990	1990	DEC/1990
	# OBS	2424	2054	2755	2825	2491	3254	2579	1757	1528	2775	2829	2780	30051

STATION: 46013 -- POR (4/1981 - 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
1981	MEAN	-	-	-	1017.0	1016.3	1015.8	1015.3	1014.9	1016.7	1017.3	1018.1	1020.8	1016.9
	MAXIMUM	-	-	-	1027.0	1023.2	1024.6	1019.6	1021.7	1022.0	1027.9	1030.2	1030.0	1030.2
	DAY-HR	-	-	-	04-19	08-19	13-18	20-20	15-19	08-18	30-19	18-07	22-18	NOV
	MINIMUM	-	-	-	1009.5	1011.6	1009.5	1011.3	1007.0	1008.4	1007.4	999.4	1006.1	999.4
	DAY-HR	-	-	-	18-11	12-02	28-03	25-03	29-03	02-03	28-05	14-01	31-23	NOV
	# OBS	-	-	-	717	742	715	741	744	708	719	718	735	6539
1982	MEAN	1020.4	1020.7	1016.0	1018.9	1015.0	1015.8	1016.1	1016.6	1014.6	1018.3	1016.2	1018.9	1017.3
	MAXIMUM	1034.4	1027.2	1027.2	1026.2	1023.8	1021.4	1021.4	1021.3	1021.0	1027.8	1026.9	1032.3	1034.4
	DAY-HR	23-19	01-19	19-20	18-20	06-19	04-19	03-19	05-19	01-20	27-18	11-20	24-17	JAN
	MINIMUM	1000.4	1011.4	1003.4	1007.9	1007.5	1009.4	1008.0	1010.8	1009.7	1006.2	992.4	989.1	989.1
	DAY-HR	20-22	04-05	29-17	11-12	27-03	18-03	15-11	02-10	08-02	30-11	30-11	22-23	DEC
	# OBS	731	668	706	718	741	718	744	743	719	744	720	743	8695
1983	MEAN	1017.1	1014.0	1022.0	1014.8	1017.4	1015.1	1016.2	1016.5	1014.0	1017.6	1017.5	1019.5	1016.5
	MAXIMUM	1028.8	1027.3	1025.1	1024.3	1027.1	1020.3	1024.5	1022.0	1020.6	1025.1	1028.3	1031.0	1031.0
	DAY-HR	07-19	14-03	31-19	01-02	02-19	28-17	09-20	25-20	25-20	10-19	27-18	31-19	DEC
	MINIMUM	996.7	1001.9	1019.8	1003.1	1008.6	1007.3	1008.3	1012.1	1004.8	1008.0	1001.4	985.3	985.3
	DAY-HR	29-04	02-23	31-03	18-11	31-23	01-12	16-13	31-13	30-11	01-00	10-21	03-17	DEC
	# OBS	739	357	49	684	740	710	742	743	719	735	717	635	7570
1984	MEAN	1023.6	1022.1	1020.3	1019.4	1018.6	1015.4	1014.0	1015.0	1011.8	1017.1	1017.1	1016.5	1017.7
	MAXIMUM	1031.0	1029.0	1030.1	1026.9	1023.8	1022.0	1022.7	1021.0	1018.2	1026.2	1026.5	1028.3	1031.0
	DAY-HR	01-19	17-19	18-16	21-16	18-17	07-19	25-18	30-19	29-19	18-19	09-19	30-19	JAN
	MINIMUM	1012.2	1015.6	1008.7	1010.5	1011.9	1010.0	1006.6	1008.4	1002.9	999.7	997.9	1006.3	997.9
	DAY-HR	14-01	13-21	13-16	06-04	28-04	06-14	07-04	06-17	11-03	17-00	13-06	15-23	NOV
	# OBS	742	693	738	716	736	715	736	406	717	741	713	730	8383
1985	MEAN	1021.3	1019.6	1018.8	1017.2	1015.9	1015.5	1015.6	1016.0	1015.2	1016.4	1017.4	1022.5	1017.6
	MAXIMUM	1028.3	1028.7	1029.3	1024.9	1023.9	1021.4	1022.3	1021.5	1022.8	1022.2	1030.1	1030.1	1030.1
	DAY-HR	11-19	10-19	30-19	23-19	29-19	30-22	02-22	27-19	12-18	23-18	19-17	13-19	DEC
	MINIMUM	1012.4	1009.5	1005.4	1008.9	1008.5	1008.1	1008.6	1009.9	1007.3	1003.5	995.7	999.8	995.7
	DAY-HR	07-23	08-12	27-01	21-12	15-13	16-04	24-12	16-11	18-10	21-04	29-13	02-13	NOV
	# OBS	736	669	736	717	733	698	729	741	715	742	715	733	8664
1986	MEAN	1021.2	-	-	-	-	-	-	-	1015.3	1017.6	1021.2	1020.6	1019.3
	MAXIMUM	1031.0	-	-	-	-	-	-	-	1020.0	1024.6	1031.4	1029.3	1031.4
	DAY-HR	06-18	-	-	-	-	-	-	-	20-18	30-17	22-19	29-19	NOV
	MINIMUM	1006.7	-	-	-	-	-	-	-	1002.9	1007.3	1010.9	1011.6	1002.9
	DAY-HR	29-12	-	-	-	-	-	-	-	24-12	02-03	18-10	15-16	SEP
	# OBS	675	-	-	-	-	-	-	-	605	743	691	742	3456
1987	MEAN	1021.3	1018.0	1017.6	1018.2	1015.4	1016.1	1014.4	1015.5	1016.8	1016.8	1019.4	-	1017.1
	MAXIMUM	1030.9	1026.1	1023.6	1024.2	1023.3	1020.6	1019.7	1020.9	1022.1	1025.4	1026.5	-	1030.9
	DAY-HR	13-18	17-19	26-19	19-18	02-19	18-21	22-21	23-19	10-18	25-17	10-19	-	JAN
	MINIMUM	1009.8	1000.8	1007.5	1011.1	1010.7	1009.5	1006.7	1008.6	1010.0	1009.8	1009.8	-	1000.8
	DAY-HR	05-08	24-01	04-23	30-04	16-01	11-05	10-02	14-13	13-02	23-02	01-02	-	FEB
	# OBS	738	672	742	720	741	719	742	744	679	742	464	-	7703
1988	MEAN	-	-	1022.3	1016.4	1017.9	1015.3	1014.9	1013.2	1014.6	1017.0	1019.9	1021.6	1017.1
	MAXIMUM	-	-	1027.6	1026.8	1029.0	1022.4	1020.3	1019.1	1024.2	1025.3	1029.8	1030.5	1030.5
	DAY-HR	-	-	18-17	30-20	01-17	08-18	21-20	24-19	27-18	08-19	29-18	29-19	DEC
	MINIMUM	-	-	1013.6	1003.8	1010.8	1006.4	1008.3	1006.2	1006.0	1011.4	1006.2	1002.0	1002.0
	DAY-HR	-	-	15-17	20-03	29-01	25-01	10-12	31-12	21-03	27-11	25-05	24-13	DEC
	# OBS	-	-	391	719	742	720	743	741	719	744	718	740	6977
1989	MEAN	1023.7	1022.2	1018.7	1017.3	1017.2	1014.9	1015.9	1014.9	1015.9	1016.8	1018.5	1021.3	1018.5
	MAXIMUM	1033.6	1031.3	1027.8	1028.4	1025.1	1020.4	1021.3	1018.8	1020.8	1023.8	1026.8	1029.5	1033.6
	DAY-HR	15-19	11-06	13-20	03-18	23-22	12-19	12-19	12-20	30-19	26-19	27-10	23-18	JAN
	MINIMUM	1009.8	1011.9	1000.7	1009.5	1009.5	1003.0	1009.0	1010.1	1012.9	1008.2	1005.8	1011.7	1000.7

	DAY-HR	11-00	24-17	04-19	21-02	19-04	04-12	16-02	29-12	30-22	01-02	24-15	02-13	NOV
	# OBS	741	671	737	717	739	714	743	742	719	743	718	426	8410
POR	MEAN	1019.8	1018.6	1017.7	1017.7	1016.0	1015.0	1014.9	1014.8	1014.3	1016.5	1018.9	1020.3	1017.0
	MAXIMUM	1034.4	1032.7	1030.1	1030.5	1029.0	1024.6	1024.5	1022.0	1024.2	1027.9	1032.2	1035.3	1035.3
	YEAR	1982	1999	1984	1999	1988	1981	1983	1991	1988	1981	1999	1998	DEC/1998
	MINIMUM	994.8	992.4	988.8	1002.5	1002.1	1003.0	1004.8	1003.7	1002.9	999.7	992.4	985.3	985.3
	YEAR	1995	1991	1998	1998	1998	1993	1989	1995	1986	1984	1982	1983	DEC/1983
	# OBS	13077	11038	11938	13213	13209	13004	13854	13341	13577	14316	13814	13421	157802

STATION: 46013 -- POR (4/1981 - 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
1981	MEAN	-	-	-	18.0	19.9	19.6	13.9	15.4	12.6	9.2	10.8	13.1	14.8
	MAXIMUM	-	-	-	34.0	30.7	36.0	31.3	31.9	30.5	27.0	31.5	30.9	36.0
	DAY-HR	-	-	-	08-01	10-09	27-02	10-03	05-02	23-01	27-19	14-01	21-19	JUN
	MINIMUM	-	-	-	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	-	-	-	15-21	26-17	30-21	28-11	19-21	28-01	25-10	22-12	30-10	DEC
	# OBS	-	-	-	717	742	715	741	743	708	719	718	735	6538
1982	MEAN	10.9	12.2	12.7	13.8	17.4	10.7	15.3	13.7	13.2	9.5	11.1	11.0	12.6
	MAXIMUM	34.2	34.0	31.7	34.2	35.8	25.5	29.2	27.8	33.4	24.5	33.8	36.7	36.7
	DAY-HR	04-11	22-10	15-03	29-03	08-19	06-04	16-04	01-05	29-03	08-03	30-14	23-00	DEC
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	31-08	20-11	27-10	22-17	24-21	25-12	24-21	31-19	24-14	31-19	24-22	30-18	DEC
	# OBS	729	668	705	718	740	717	744	715	719	741	719	743	8658
1983	MEAN	13.8	12.7	-	10.2	14.0	16.7	16.2	11.1	9.5	10.0	12.2	12.1	12.7
	MAXIMUM	34.6	29.2	-	22.9	29.7	30.7	31.5	27.8	28.2	27.4	30.3	37.9	37.9
	DAY-HR	26-19	12-06	-	21-04	31-13	20-05	15-00	03-02	09-05	13-01	10-19	03-21	DEC
	MINIMUM	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	25-01	14-07	-	18-20	22-22	07-09	30-18	29-16	28-21	26-08	28-19	31-22	DEC
	# OBS	739	357	-	449	737	710	742	742	719	723	718	634	7270
1984	MEAN	9.3	9.5	13.2	15.7	16.2	17.5	10.7	13.6	11.8	10.5	10.5	10.8	12.4
	MAXIMUM	28.4	23.5	30.1	33.4	29.5	29.9	29.2	27.6	27.6	30.5	28.2	29.0	33.4
	DAY-HR	26-06	22-07	29-01	25-03	15-02	19-02	28-02	05-02	23-01	15-03	27-15	12-18	APR
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	31-03	29-22	16-08	30-20	28-17	15-08	24-17	29-10	28-16	29-20	17-13	31-21	DEC
	# OBS	742	693	737	716	736	715	736	407	717	741	713	730	8383
1985	MEAN	8.1	11.8	13.0	12.2	13.4	9.4	9.0	11.2	7.5	10.8	12.1	9.2	10.7
	MAXIMUM	26.0	27.2	30.9	30.3	26.0	28.2	22.9	27.0	26.0	26.6	26.6	28.2	30.9
	DAY-HR	31-14	20-08	03-00	26-03	06-02	15-06	05-02	07-02	03-01	07-22	17-11	02-08	MAR
	MINIMUM	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	27-22	28-20	14-16	16-22	26-21	25-11	31-19	22-20	30-15	29-20	28-01	17-04	DEC
	# OBS	736	669	736	717	733	700	728	741	715	742	715	734	8666
1986	MEAN	8.8	-	-	-	-	-	-	-	9.7	8.8	10.5	9.6	9.5
	MAXIMUM	25.9	-	-	-	-	-	-	-	27.4	31.5	32.3	25.3	32.3
	DAY-HR	04-09	-	-	-	-	-	-	-	30-02	02-01	07-01	15-22	NOV
	MINIMUM	0.0	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
	DAY-HR	27-22	-	-	-	-	-	-	-	22-20	30-04	27-06	26-06	DEC
	# OBS	675	-	-	-	-	-	-	-	605	743	691	742	3456
1987	MEAN	11.4	12.9	13.4	13.2	14.2	11.3	13.9	5.8	10.5	6.7	9.7	-	11.2
	MAXIMUM	34.0	37.3	31.5	31.7	33.4	27.4	34.2	26.6	30.7	26.4	26.0	-	37.3
	DAY-HR	15-05	23-09	05-10	12-00	16-01	10-03	09-03	14-06	26-01	03-02	14-16	-	FEB
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	31-17	28-21	29-05	29-06	30-17	29-18	23-18	26-09	29-17	29-19	16-23	-	NOV
	# OBS	737	672	742	720	741	719	742	744	680	742	464	-	7703
1988	MEAN	-	-	17.7	12.7	16.6	16.5	15.0	10.9	10.8	9.3	10.9	11.1	12.9
	MAXIMUM	-	-	35.4	30.1	34.4	33.4	34.6	28.6	30.5	28.8	29.9	31.7	35.4
	DAY-HR	-	-	27-12	07-23	23-21	28-23	01-03	18-01	20-06	19-00	06-23	15-07	MAR
	MINIMUM	-	-	0.2	0.4	0.4	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0
	DAY-HR	-	-	23-04	18-14	08-15	15-00	31-21	05-21	13-12	29-21	30-01	18-11	DEC
	# OBS	-	-	391	718	742	720	740	741	719	744	717	738	6970
1989	MEAN	10.6	11.4	13.0	9.1	18.4	13.6	20.5	11.9	5.1	11.1	10.6	8.3	12.6
	MAXIMUM	32.9	29.5	27.6	31.3	34.2	33.4	32.9	26.4	14.2	29.4	27.0	23.3	34.2
	DAY-HR	10-23	28-01	03-03	11-00	12-01	09-18	21-03	13-02	30-22	23-10	07-03	29-03	MAY
	MINIMUM	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0
	DAY-HR	30-09	20-08	01-15	26-18	22-16	25-04	22-22	06-19	30-11	10-03	01-20	16-00	DEC
	# OBS	743	668	736	716	734	716	742	294	102	743	719	739	7652

1990	MEAN	13.4	12.8	12.6	13.8	15.3	16.4	10.6	11.1	12.6	13.4	12.6	12.3	13.1
	MAXIMUM	33.8	35.6	29.9	34.6	31.3	32.9	28.6	31.1	27.4	30.1	31.1	31.1	35.6
	DAY-HR	02-10	12-17	06-00	30-01	14-19	13-04	07-02	14-01	02-04	03-03	06-04	28-16	FEB
	MINIMUM	0.2	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.6	0.0	0.0
	DAY-HR	31-23	20-09	29-14	20-13	21-00	20-19	20-20	28-11	20-19	08-16	28-11	26-21	DEC
	# OBS	742	670	742	710	732	715	738	743	715	740	718	741	8706
1991	MEAN	8.8	10.1	15.1	15.8	17.6	15.8	9.7	10.7	8.6	10.8	13.0	12.3	12.4
	MAXIMUM	26.0	28.2	32.9	35.8	32.5	33.0	29.5	28.4	25.9	29.7	33.2	31.1	35.8
	DAY-HR	16-01	02-10	15-07	11-02	10-03	13-02	24-23	10-02	09-01	29-22	29-15	27-14	APR
	MINIMUM	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.0
	DAY-HR	23-07	14-18	18-20	19-11	22-15	05-12	07-19	29-13	02-17	30-16	22-21	21-07	DEC
	# OBS	740	417	742	720	741	720	743	737	719	742	717	744	8482
1992	MEAN	11.7	10.9	13.1	-	-	4.8	10.0	12.9	10.7	8.8	12.9	13.2	11.3
	MAXIMUM	34.4	33.6	29.0	-	-	17.3	27.2	29.7	32.1	25.7	29.5	29.2	34.4
	DAY-HR	05-04	10-00	01-08	-	-	29-20	24-02	06-00	25-03	14-01	08-01	15-05	JAN
	MINIMUM	0.0	0.0	1.0	-	-	0.4	0.2	0.4	0.2	0.2	0.4	0.6	0.0
	DAY-HR	26-15	07-07	07-00	-	-	24-18	26-09	30-06	01-21	15-20	17-01	20-03	FEB
	# OBS	739	688	375	-	-	189	739	736	709	733	699	741	6348
1993	MEAN	13.6	12.3	10.9	13.2	12.9	18.6	14.1	12.9	11.9	9.1	11.2	12.3	12.7
	MAXIMUM	35.6	32.1	27.2	31.9	31.7	31.3	30.7	29.5	26.6	26.0	31.7	29.5	35.6
	DAY-HR	13-00	20-00	29-02	30-03	01-02	16-10	14-07	24-02	12-03	08-02	11-22	14-01	JAN
	MINIMUM	0.4	0.6	0.4	0.4	0.2	1.6	0.0	0.2	0.2	0.2	0.2	0.6	0.0
	DAY-HR	27-08	28-20	15-21	21-11	21-08	18-04	29-00	01-18	21-19	05-17	02-19	23-16	JUL
	# OBS	732	637	730	719	738	716	735	737	713	742	715	741	8655
1994	MEAN	10.2	12.2	11.8	15.2	15.9	17.7	11.3	18.0	6.0	11.8	12.8	12.2	12.9
	MAXIMUM	28.6	33.8	29.2	30.9	33.2	30.3	30.1	30.3	22.2	32.5	29.7	29.2	33.8
	DAY-HR	24-08	17-09	24-09	27-02	26-01	25-01	30-04	05-02	30-03	16-00	18-07	25-18	FEB
	MINIMUM	0.6	0.8	0.4	0.2	0.4	0.2	0.0	2.5	0.0	0.0	0.8	0.2	0.0
	DAY-HR	10-20	23-18	21-10	17-15	16-17	04-13	24-05	13-19	22-19	25-02	19-19	09-15	OCT
	# OBS	739	651	721	715	738	714	715	319	425	736	716	739	7928
1995	MEAN	15.9	7.7	13.0	15.0	14.7	14.9	10.7	13.9	11.7	11.4	9.9	11.7	12.6
	MAXIMUM	37.5	24.1	33.4	34.0	30.9	32.1	26.8	29.7	28.4	31.1	29.5	36.4	37.5
	DAY-HR	07-04	15-03	09-03	19-04	05-02	06-22	05-03	08-02	06-02	21-23	10-08	12-12	JAN
	MINIMUM	0.4	0.2	0.4	0.2	0.4	0.0	0.2	0.2	0.2	0.2	0.0	0.4	0.0
	DAY-HR	31-21	27-16	02-00	12-08	25-14	30-02	18-20	01-18	13-16	31-04	14-18	07-22	NOV
	# OBS	738	668	740	716	741	713	740	728	715	739	712	740	8690
1996	MEAN	12.4	10.4	13.2	13.0	17.0	20.1	10.8	14.7	10.0	11.0	12.3	10.7	13.1
	MAXIMUM	28.6	24.5	30.7	29.2	31.7	30.9	29.2	31.1	27.8	28.8	29.0	27.0	31.7
	DAY-HR	17-08	04-14	13-13	27-06	28-06	22-02	19-02	04-01	18-02	26-03	19-17	01-20	MAY
	MINIMUM	0.2	0.2	0.6	0.4	1.2	1.2	0.0	0.2	0.4	0.0	0.4	0.6	0.0
	DAY-HR	18-06	11-11	30-20	08-20	16-14	26-18	23-20	25-13	27-19	12-23	12-17	25-18	OCT
	# OBS	738	689	743	734	736	716	819	777	763	509	540	510	8274
1997	MEAN	12.8	15.4	14.7	15.3	-	-	-	-	-	-	-	-	14.6
	MAXIMUM	30.1	36.7	31.3	32.5	-	-	-	-	-	-	-	-	36.7
	DAY-HR	15-02	27-01	24-03	11-03	-	-	-	-	-	-	-	-	FEB
	MINIMUM	0.6	0.6	0.4	1.0	-	-	-	-	-	-	-	-	0.4
	DAY-HR	10-20	09-22	19-19	21-04	-	-	-	-	-	-	-	-	MAR
	# OBS	494	628	696	399	-	-	-	-	-	-	-	-	2217
1998	MEAN	-	-	16.5	13.8	13.4	11.4	13.7	14.8	9.9	11.3	10.0	10.9	12.3
	MAXIMUM	-	-	31.9	30.1	28.2	31.1	30.7	29.4	29.0	30.9	30.1	31.5	31.9
	DAY-HR	-	-	29-01	11-22	09-00	16-16	04-03	07-02	20-01	16-01	30-13	20-19	MAR
	MINIMUM	-	-	0.4	0.2	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0
	DAY-HR	-	-	25-11	13-17	27-10	20-07	26-09	27-20	30-23	22-00	10-04	28-13	DEC
	# OBS	-	-	183	656	699	681	732	781	709	705	717	738	6601
1999	MEAN	10.9	11.5	13.1	16.7	17.9	17.0	12.4	12.1	7.0	9.9	11.3	12.1	12.8
	MAXIMUM	28.0	29.5	30.3	37.5	35.6	30.1	32.7	28.8	25.3	26.8	33.4	29.2	37.5
	DAY-HR	31-18	09-15	27-03	04-00	08-22	27-01	02-08	21-02	01-06	15-02	07-22	11-00	APR
	MINIMUM	0.2	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.0
	DAY-HR	25-19	14-22	29-14	25-23	31-19	12-14	28-03	28-05	30-16	13-05	02-07	21-07	SEP
	# OBS	739	660	716	717	738	714	730	728	706	559	678	736	8421
2000	MEAN	12.1	12.2	16.4	11.8	16.9	10.4	16.2	13.7	9.2	12.1	10.8	9.8	12.6
	MAXIMUM	27.0	29.0	35.4	28.2	35.0	28.8	31.1	31.7	29.5	31.9	29.4	25.9	35.4
	DAY-HR	05-10	22-23	20-06	23-22	31-02	13-06	03-12	17-02	30-01	22-01	06-13	17-13	MAR
	MINIMUM	0.4	0.6	0.6	0.0	0.2	0.0	0.2	0.2	0.0	0.6	0.0	0.2	0.0
	DAY-HR	06-14	11-06	08-13	03-01	02-14	26-12	11-12	27-14	01-16	12-13	17-21	01-21	NOV
	# OBS	709	674	706	683	707	709	743	744	718	737	717	744	8591
2001	MEAN	12.5	14.0	16.6	16.3	14.9	20.6	13.1	14.9	9.8	9.2	9.5	15.6	13.8
	MAXIMUM	34.8	34.8	38.7	31.3	39.5	33.2	31.3	34.4	31.1	29.7	33.2	41.4	41.4
	DAY-HR	10-19	07-03	04-19	02-06	02-02	20-01	29-00	29-03	06-04	25-01	29-03	10-14	DEC
	MINIMUM	0.4	0.4	0.2	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	DAY-HR	06-05	27-03	23-07	08-15	22-23	26-06	26-21	12-21	25-20	29-06	27-12	08-23	NOV
	# OBS	742	672	738	716	741	714	742	742	718	743	717	426	8411

POR	MEAN	11.5	11.8	13.7	14.0	15.9	15.3	13.0	12.7	10.2	10.2	11.3	11.4	12.6
	MAXIMUM	37.5	37.3	38.7	37.5	39.5	36.0	34.6	34.4	33.4	32.5	33.8	41.4	41.4
	YEAR	1995	1987	2001	1999	2001	1981	1988	2001	1982	1994	1982	2001	DEC/2001
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	1992	1992	1987	2000	1998	2000	2001	2001	2001	2001	2001	1998	NOV/2001
	# OBS	12953	10781	11879	12956	13216	13013	14091	12899	13294	14323	13820	13395	156620

STATION: 46013 -- POR (4/1981 - 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
1981	MEAN	-	-	-	22.5	24.7	24.2	17.5	19.0	15.6	11.4	13.6	16.3	18.3
	MAXIMUM	-	-	-	45.3	40.4	45.3	39.3	40.4	39.5	33.8	44.3	41.2	45.3
	DAY-HR	-	-	-	02-23	03-06	27-00	10-01	05-02	23-01	27-18	14-01	21-19	JUN
	# OBS	-	-	-	717	742	713	741	743	707	719	718	735	6535
1982	MEAN	13.9	15.2	15.9	17.3	22.0	13.3	18.7	16.5	16.3	11.9	14.1	14.0	15.8
	MAXIMUM	43.4	41.6	39.3	44.9	48.4	33.4	35.8	35.6	43.2	31.7	50.3	48.2	50.3
	DAY-HR	04-11	22-10	15-03	29-03	08-23	06-02	16-04	01-04	29-03	08-03	30-22	23-01	NOV
	# OBS	729	668	705	718	740	717	744	715	719	741	719	743	8658
1983	MEAN	17.7	16.3	-	13.2	17.5	20.5	19.8	13.9	12.0	12.6	15.7	15.5	16.0
	MAXIMUM	46.1	39.3	-	33.2	38.7	38.9	39.9	34.4	35.8	35.4	41.6	49.0	49.0
	DAY-HR	26-17	12-04	-	23-14	31-14	20-06	15-04	03-05	09-05	13-02	10-18	03-21	DEC
	# OBS	739	357	-	449	737	710	742	742	719	723	714	634	7266
1984	MEAN	11.8	12.1	16.5	19.5	19.9	21.5	13.3	16.8	14.4	13.1	13.2	13.6	15.4
	MAXIMUM	36.4	29.5	36.7	43.7	38.1	38.1	35.8	34.6	32.5	38.5	35.6	35.6	43.7
	DAY-HR	26-06	22-01	27-02	25-01	14-19	20-04	28-03	04-03	24-01	15-03	27-15	12-18	APR
	# OBS	742	693	737	716	736	715	736	407	717	741	713	730	8383
1985	MEAN	10.4	14.6	16.3	15.0	16.2	11.6	11.3	14.1	9.6	13.6	15.2	11.7	13.3
	MAXIMUM	32.3	32.9	39.7	36.9	32.9	33.8	29.7	34.0	31.5	34.2	36.7	36.9	39.7
	DAY-HR	31-14	20-12	02-10	26-03	06-02	15-01	06-03	07-02	03-01	07-22	29-13	02-08	MAR
	# OBS	736	669	736	717	733	700	728	739	715	741	715	732	8661
1986	MEAN	11.2	-	-	-	-	-	-	-	11.9	11.2	13.1	11.9	11.9
	MAXIMUM	32.7	-	-	-	-	-	-	-	35.2	39.5	41.4	32.9	41.4
	DAY-HR	04-09	-	-	-	-	-	-	-	30-02	01-07	07-00	15-16	NOV
	# OBS	675	-	-	-	-	-	-	-	605	743	691	742	3456
1987	MEAN	14.4	16.4	17.0	16.6	17.8	14.5	17.0	7.5	12.7	8.3	11.8	-	14.1
	MAXIMUM	43.0	47.6	40.4	43.4	41.4	35.2	42.0	32.5	35.8	30.9	31.3	-	47.6
	DAY-HR	15-05	23-05	04-23	12-00	16-01	22-03	09-03	14-06	26-01	03-02	14-16	-	FEB
	# OBS	736	672	742	720	741	719	742	744	680	742	464	-	7702
1988	MEAN	-	-	22.4	15.8	21.0	20.7	18.6	13.9	13.7	11.8	13.8	14.2	16.3
	MAXIMUM	-	-	46.1	38.7	45.3	42.2	43.0	35.6	38.5	34.8	37.3	43.4	46.1
	DAY-HR	-	-	27-12	07-20	23-21	29-00	01-03	18-01	20-06	19-00	06-23	15-07	MAR
	# OBS	-	-	391	716	742	720	740	741	719	744	714	738	6965
1989	MEAN	13.5	14.6	16.1	11.6	23.3	16.7	25.3	15.1	6.7	14.0	13.2	10.5	15.8
	MAXIMUM	41.8	37.3	36.2	40.6	45.3	43.9	43.5	33.4	17.1	38.3	34.4	29.4	45.3
	DAY-HR	10-23	28-04	03-03	11-00	12-00	09-02	10-02	09-03	30-23	23-10	25-19	29-03	MAY
	# OBS	743	668	736	716	734	716	742	294	102	743	719	739	7652
1990	MEAN	16.9	16.3	15.8	17.3	19.1	20.3	13.4	13.7	15.2	16.6	15.7	15.6	16.3
	MAXIMUM	44.1	46.5	38.3	45.9	41.0	44.1	36.9	40.4	35.0	38.9	40.8	40.6	46.5
	DAY-HR	02-10	13-00	06-00	30-02	14-19	13-03	25-00	14-01	01-03	03-01	06-02	19-14	FEB
	# OBS	742	670	742	710	732	715	738	743	715	740	718	741	8706
1991	MEAN	11.2	12.8	19.1	19.9	22.2	19.9	12.5	13.4	11.0	14.0	16.3	15.3	15.7
	MAXIMUM	34.8	35.4	42.6	47.4	43.0	43.2	38.7	36.4	34.2	38.5	43.5	39.3	47.4
	DAY-HR	16-01	02-12	17-09	11-02	10-03	13-02	15-01	10-03	09-01	27-00	29-11	27-14	APR
	# OBS	740	417	742	720	741	720	743	737	719	742	717	744	8482
1992	MEAN	14.8	13.6	16.3	-	-	6.1	12.5	15.7	13.4	11.2	16.0	16.6	14.1
	MAXIMUM	43.0	42.4	35.2	-	-	20.8	34.6	36.2	38.3	37.5	35.4	37.5	43.0
	DAY-HR	05-04	09-22	01-08	-	-	29-20	24-01	06-01	25-03	29-16	08-20	06-22	JAN
	# OBS	739	688	375	-	-	189	739	736	707	732	691	736	6332
1993	MEAN	17.0	15.6	13.8	16.4	15.9	22.5	17.5	15.8	14.6	11.4	14.0	15.7	15.8
	MAXIMUM	43.9	40.8	33.8	37.7	39.3	38.1	39.5	36.7	33.4	31.9	40.0	36.2	43.9
	DAY-HR	13-00	20-00	26-22	30-23	01-02	16-10	14-07	25-01	12-03	08-02	11-22	11-11	JAN
	# OBS	732	632	728	716	738	711	733	735	711	741	715	741	8633
1994	MEAN	12.9	15.4	15.0	18.8	19.5	21.3	14.4	21.7	7.9	14.7	16.1	15.6	16.1

	MAXIMUM	35.2	43.2	39.1	39.1	43.0	38.1	36.5	38.9	26.4	41.6	36.4	37.3	43.2
	DAY-HR	24-07	17-09	24-09	27-02	13-05	25-00	30-03	05-02	30-03	15-02	18-05	25-18	FEB
	# OBS	739	649	717	714	737	711	701	316	425	733	716	739	7897
1995	MEAN	20.1	10.0	16.0	18.4	18.0	18.0	12.7	16.8	14.2	14.2	12.3	14.8	15.5
	MAXIMUM	48.6	29.9	43.2	41.2	38.1	39.9	32.7	35.6	34.2	38.9	37.5	45.7	48.6
	DAY-HR	07-04	15-03	09-05	19-04	05-02	06-22	26-05	08-01	06-02	04-00	10-08	12-13	JAN
	# OBS	738	668	740	716	741	713	740	728	715	739	712	740	8690
1996	MEAN	15.5	13.4	16.2	16.0	20.5	24.1	13.3	17.9	12.3	13.5	15.1	13.6	16.1
	MAXIMUM	35.0	32.1	38.3	35.2	39.9	39.9	34.2	38.1	33.8	36.0	35.6	33.8	39.9
	DAY-HR	17-05	04-14	20-01	27-13	27-10	21-23	19-02	04-01	18-02	16-03	19-17	29-16	JUN
	# OBS	738	689	743	734	736	716	819	777	762	508	536	510	8268
1997	MEAN	16.1	18.9	17.9	19.9	-	-	-	-	-	-	-	-	18.1
	MAXIMUM	36.0	47.0	39.9	41.4	-	-	-	-	-	-	-	-	47.0
	DAY-HR	22-22	28-01	24-03	11-03	-	-	-	-	-	-	-	-	FEB
	# OBS	494	627	684	319	-	-	-	-	-	-	-	-	2124
1998	MEAN	-	-	20.6	17.3	16.4	14.0	16.7	18.2	12.5	13.8	13.0	14.2	15.3
	MAXIMUM	-	-	40.4	38.5	35.4	38.9	41.6	37.3	35.8	40.6	38.1	40.8	41.6
	DAY-HR	-	-	29-01	11-22	09-00	16-15	04-03	17-03	20-01	16-01	30-12	20-18	JUL
	# OBS	-	-	183	654	698	679	729	780	709	689	714	738	6573
1999	MEAN	13.8	14.8	16.5	20.6	21.9	20.8	15.3	14.5	9.4	12.6	14.3	15.1	15.9
	MAXIMUM	35.6	38.5	38.9	46.1	44.7	39.7	40.6	35.2	31.9	32.5	43.5	36.4	46.1
	DAY-HR	31-18	09-15	27-00	04-02	08-22	22-00	02-08	31-04	01-06	15-02	07-22	11-00	APR
	# OBS	739	660	716	711	734	710	726	717	706	559	678	735	8391
2000	MEAN	15.0	15.8	20.4	14.5	20.4	12.9	19.7	16.4	11.4	15.0	13.7	12.5	15.6
	MAXIMUM	32.9	36.5	46.5	34.2	43.9	35.2	37.5	38.9	37.1	39.5	36.2	31.7	46.5
	DAY-HR	05-12	22-23	05-17	23-22	30-23	30-23	25-13	14-01	30-01	22-01	07-02	17-13	MAR
	# OBS	709	674	706	682	704	707	742	739	719	735	717	744	8578
2001	MEAN	16.1	17.5	20.5	19.9	18.3	24.8	16.5	18.8	13.0	12.7	13.4	20.0	17.5
	MAXIMUM	44.1	42.6	47.8	39.5	49.2	41.4	37.5	42.8	38.5	36.7	43.4	50.3	50.3
	DAY-HR	10-19	07-05	04-19	02-02	02-01	03-01	29-00	29-02	06-04	11-02	25-01	10-14	DEC
	# OBS	741	672	738	713	733	710	741	735	715	743	716	426	8383
POR	MEAN	14.5	14.9	17.1	17.4	19.7	18.8	16.1	15.6	12.8	12.9	14.2	14.5	15.7
	MAXIMUM	48.6	47.6	47.8	47.4	49.2	45.3	43.5	42.8	43.2	41.6	50.3	50.3	50.3
	YEAR	1995	1987	2001	1991	2001	1981	1989	2001	1982	1994	1982	2001	DEC/2001
	# OBS	12951	10773	11861	12858	13199	12991	14066	12868	13286	14298	13797	13387	156335

STATION: 46013 -- POR (3/1998 - 12/2001)

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

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1998	MEAN	-	-	22.5	19.0	17.9	15.7	18.9	19.7	14.7	15.3	14.9	16.0	17.1
	MAXIMUM	-	-	40.6	38.5	36.5	39.9	41.6	37.5	37.5	40.6	39.3	55.0	55.0
	DAY-HR	-	-	29-00	11-22	08-23	16-15	04-02	17-01	20-01	16-00	30-13	06-01	DEC
	MINIMUM	-	-	4.1	3.5	1.9	1.7	1.4	3.1	1.2	2.1	1.9	3.3	1.2
	DAY-HR	-	-	25-11	04-04	05-03	02-14	26-06	27-21	30-22	01-18	14-07	25-20	SEP
	# OBS	-	-	183	651	695	677	722	774	708	667	737	737	6551
1999	MEAN	15.7	16.7	18.2	22.4	23.3	22.5	16.8	15.9	10.9	14.1	15.8	16.7	17.5
	MAXIMUM	40.2	40.0	40.4	50.2	45.1	39.9	44.3	37.5	32.9	34.8	43.5	39.1	50.2
	DAY-HR	31-06	09-20	27-00	03-23	09-04	27-00	02-07	21-02	01-02	15-01	07-21	09-09	APR
	MINIMUM	2.9	2.5	3.1	2.1	1.9	2.9	1.4	1.6	1.4	2.1	3.1	3.1	1.4
	DAY-HR	02-23	27-02	29-13	25-16	24-20	24-01	19-08	07-08	29-13	13-04	28-09	23-22	SEP
	# OBS	761	660	715	710	728	710	723	716	705	558	678	735	8399
2000	MEAN	16.5	17.6	21.9	16.1	22.0	14.5	21.0	17.6	12.9	16.7	15.2	14.1	17.2
	MAXIMUM	40.4	41.4	46.7	36.5	47.4	35.6	39.5	41.4	41.2	41.0	38.5	34.4	47.4
	DAY-HR	30-14	12-00	20-06	29-03	30-23	13-23	01-04	17-01	14-00	21-23	07-01	17-14	MAY
	MINIMUM	3.7	3.7	3.7	2.1	2.5	1.4	1.7	1.6	2.1	3.7	3.1	2.9	1.4
	DAY-HR	27-20	18-20	08-06	19-17	07-01	02-17	08-17	08-12	01-14	16-17	19-13	20-23	JUN
	# OBS	708	671	703	681	702	698	705	721	717	716	706	738	8466
2001	MEAN	18.0	19.3	22.3	21.5	19.8	26.4	18.1	20.5	14.6	14.3	15.3	16.6	18.9
	MAXIMUM	52.1	44.1	54.6	41.4	52.9	41.8	39.3	44.9	39.3	38.7	45.7	55.0	55.0
	DAY-HR	10-18	06-22	04-17	02-00	02-00	04-00	29-22	29-02	06-01	24-00	24-15	10-14	DEC
	MINIMUM	3.3	3.1	2.3	3.3	1.7	3.1	1.0	0.0	1.4	0.2	1.4	0.0	0.0
	DAY-HR	17-15	27-09	23-07	17-11	12-19	28-10	10-01	12-20	23-18	07-00	08-06	30-13	DEC
	# OBS	741	666	728	713	732	705	738	734	713	742	715	740	8667
POR	MEAN	16.7	17.9	20.9	19.8	20.8	19.8	18.7	18.5	13.3	15.1	15.3	15.9	17.7

MAXIMUM	52.1	44.1	54.6	50.2	52.9	41.8	44.3	44.9	41.2	41.0	45.7	55.0	55.0
YEAR	2001	2001	2001	1999	2001	2001	1999	2001	2000	2000	2001	2001	DEC/2001
MINIMUM	2.9	2.5	2.3	2.1	1.7	1.4	1.0	0.0	1.2	0.2	1.4	0.0	0.0
YEAR	1999	1999	2001	2000	2001	2000	2001	2001	1998	2001	2001	2001	DEC/2001
# OBS	2210	1997	2329	2755	2857	2790	2888	2945	2843	2683	2836	2950	32083

STATION: 46013 -- POR (4/1981 - 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
1981	MEAN	-	-	-	2.3	2.1	2.2	1.8	1.9	1.8	1.5	2.5	2.8	2.1
	MAXIMUM	-	-	-	5.1	3.9	4.5	3.2	2.5	3.5	4.2	6.6	4.4	6.6
	DAY-HR	-	-	-	07-06	03-08	27-05	16-06	01-04	30-02	29-17	27-09	06-14	NOV
	# OBS	-	-	-	712	728	700	741	133	460	703	553	222	4952
1982	MEAN	2.4	1.8	2.4	2.1	2.3	1.3	1.9	1.4	1.7	1.7	1.9	2.6	1.9
	MAXIMUM	5.2	3.8	5.4	6.0	4.8	2.9	3.4	2.8	3.6	3.8	6.6	7.1	7.1
	DAY-HR	28-23	22-12	30-12	03-11	09-05	14-04	16-09	01-00	27-14	07-16	30-19	16-19	DEC
	# OBS	409	666	704	718	740	717	741	740	718	743	720	741	8357
1983	MEAN	2.8	3.3	2.9	2.2	2.0	2.4	2.2	1.7	1.9	1.8	3.3	2.7	2.3
	MAXIMUM	8.3	7.0	3.7	5.7	4.7	4.7	4.7	3.1	3.8	3.2	7.2	8.4	8.4
	DAY-HR	26-22	10-14	31-23	03-01	31-09	01-04	15-12	11-08	29-13	13-03	13-23	03-21	DEC
	# OBS	737	356	49	683	740	708	741	740	715	732	713	637	7551
1984	MEAN	2.0	2.7	2.9	3.0	2.3	2.5	1.9	1.9	1.9	2.3	3.3	2.4	2.4
	MAXIMUM	4.3	7.3	6.1	6.0	4.6	4.5	3.6	3.0	4.2	5.2	7.3	4.7	7.3
	DAY-HR	11-20	25-03	14-11	11-20	24-14	03-05	01-04	04-12	22-02	17-07	18-19	12-23	NOV
	# OBS	740	689	737	714	736	714	728	403	715	731	702	717	8326
1985	MEAN	2.4	2.4	2.9	2.1	1.9	1.9	1.5	1.7	1.7	2.2	2.1	2.4	2.1
	MAXIMUM	4.6	4.4	6.1	4.6	4.4	4.0	2.8	3.4	3.1	4.1	5.7	8.7	8.7
	DAY-HR	21-11	21-02	02-16	25-04	15-08	15-04	14-11	09-03	23-02	13-04	30-08	02-21	DEC
	# OBS	710	663	710	699	706	647	713	728	698	720	696	688	8378
1986	MEAN	2.6	-	-	-	-	-	-	-	1.5	1.9	2.2	2.5	2.2
	MAXIMUM	7.0	-	-	-	-	-	-	-	5.4	4.3	5.4	5.8	7.0
	DAY-HR	15-08	-	-	-	-	-	-	-	26-00	02-02	19-15	23-06	JAN
	# OBS	649	-	-	-	-	-	-	-	605	740	691	742	3427
1987	MEAN	3.0	2.9	2.6	2.4	2.1	2.0	1.8	1.6	1.8	1.5	2.6	-	2.2
	MAXIMUM	5.3	5.4	6.2	4.5	4.5	4.5	5.1	3.0	4.8	3.2	4.3	-	6.2
	DAY-HR	13-11	16-13	05-03	12-08	16-02	01-02	17-02	07-07	16-00	31-23	09-11	-	MAR
	# OBS	735	665	735	717	740	715	738	740	678	741	360	-	7564
1988	MEAN	-	-	2.6	2.1	2.2	2.2	1.7	1.7	1.8	1.6	3.0	2.5	2.1
	MAXIMUM	-	-	5.3	4.9	4.3	4.4	3.5	2.9	3.5	3.0	6.3	7.0	7.0
	DAY-HR	-	-	24-17	17-06	01-06	04-02	01-05	26-23	30-15	14-21	23-23	21-21	DEC
	# OBS	-	-	389	718	742	719	741	735	704	732	715	738	6933
1989	MEAN	2.4	1.9	2.2	-	2.0	1.8	2.1	1.4	1.2	1.8	2.0	1.9	2.0
	MAXIMUM	5.1	4.2	4.3	-	3.6	3.7	4.1	1.5	1.5	4.8	3.8	4.7	5.1
	DAY-HR	01-00	25-02	27-00	-	28-08	21-03	09-09	01-10	30-11	23-16	05-03	29-02	JAN
	# OBS	741	666	705	-	189	692	695	10	54	739	283	475	5249
1990	MEAN	3.0	2.8	2.2	1.9	2.1	2.1	1.6	1.4	1.7	2.2	2.0	2.3	2.2
	MAXIMUM	7.8	6.1	4.4	4.1	4.6	4.0	2.9	2.6	3.0	4.4	4.0	6.2	7.8
	DAY-HR	31-02	06-16	08-09	30-04	31-15	13-07	15-19	06-16	20-14	03-06	26-20	19-23	JAN
	# OBS	740	668	740	707	731	714	737	187	385	740	718	738	7805
1991	MEAN	2.0	2.4	3.0	2.4	2.3	2.0	1.6	1.4	1.8	1.9	2.6	2.6	2.2
	MAXIMUM	4.8	4.5	5.7	5.8	4.9	4.4	3.2	3.3	3.6	4.6	5.4	5.1	5.8
	DAY-HR	14-14	12-11	21-04	05-11	10-04	13-06	26-07	10-10	25-14	27-01	19-02	08-11	APR
	# OBS	740	669	739	714	738	718	741	735	719	742	717	740	8712
1992	MEAN	2.9	2.6	2.3	-	-	1.1	1.5	1.6	1.8	2.1	2.3	2.9	2.2
	MAXIMUM	5.8	4.5	3.3	-	-	2.4	3.3	3.2	4.0	5.0	4.4	6.2	6.2
	DAY-HR	29-15	16-05	03-06	-	-	30-23	24-00	24-05	26-05	31-13	01-07	09-22	DEC
	# OBS	739	688	268	-	-	187	723	729	699	711	672	721	6137
1993	MEAN	2.4	2.7	2.6	3.0	2.3	2.2	2.4	1.8	1.6	1.6	2.1	3.1	2.3
	MAXIMUM	6.0	5.7	6.3	5.9	5.4	3.7	3.9	4.2	3.2	3.5	5.5	6.7	6.7
	DAY-HR	20-17	20-01	24-00	01-20	04-18	27-05	13-05	24-21	13-03	24-19	12-18	14-19	DEC
	# OBS	723	623	726	703	732	686	720	729	704	735	711	738	8530
1994	MEAN	2.3	2.5	2.6	2.6	2.4	2.0	1.9	1.8	1.6	2.1	2.7	3.0	2.3
	MAXIMUM	5.1	6.1	5.0	6.8	4.7	4.2	3.6	3.4	3.0	4.3	6.5	5.5	6.8

	DAY-HR	25-21	17-10	23-01	26-02	26-13	14-10	15-08	06-04	02-09	29-07	10-10	17-05	APR
	# OBS	734	639	708	713	732	701	664	720	706	732	715	739	8503
1995	MEAN	3.6	2.0	2.7	2.5	2.2	2.1	1.4	1.8	1.8	2.2	2.1	3.0	2.3
	MAXIMUM	7.3	4.2	6.9	5.4	5.3	4.5	2.9	3.8	3.9	4.7	3.7	8.8	8.8
	DAY-HR	22-22	03-07	23-18	19-00	13-09	07-04	30-07	08-04	29-23	22-03	27-08	12-15	DEC
	# OBS	737	668	739	715	741	712	740	726	715	739	712	740	8684
1996	MEAN	2.6	2.9	2.3	2.7	2.2	2.3	1.7	1.8	1.8	2.1	2.3	2.8	2.3
	MAXIMUM	5.2	5.5	5.3	6.4	4.4	3.8	2.9	3.3	3.5	5.1	5.7	5.6	6.4
	DAY-HR	01-05	25-00	13-04	17-08	27-08	22-05	05-06	18-05	17-02	26-09	19-21	29-21	APR
	# OBS	738	689	743	733	736	716	818	777	753	473	517	527	8220
1997	MEAN	2.7	2.8	2.6	2.2	-	-	-	-	-	-	-	-	2.6
	MAXIMUM	5.3	6.1	4.7	4.4	-	-	-	-	-	-	-	-	6.1
	DAY-HR	01-10	27-04	03-05	11-04	-	-	-	-	-	-	-	-	FEB
	# OBS	584	620	675	336	-	-	-	-	-	-	-	-	2215
1998	MEAN	-	-	3.6	2.7	2.2	2.0	1.8	2.0	2.1	2.2	3.0	3.2	2.4
	MAXIMUM	-	-	5.8	5.2	5.3	4.4	3.6	3.6	4.2	4.7	7.6	7.7	7.7
	DAY-HR	-	-	29-10	02-01	02-04	16-18	19-10	17-10	09-11	30-01	24-10	01-02	DEC
	# OBS	-	-	180	654	696	677	720	773	695	677	714	734	6520
1999	MEAN	2.6	3.5	3.3	2.8	2.5	2.5	1.8	1.6	2.0	2.1	2.7	2.8	2.5
	MAXIMUM	6.5	6.7	6.9	6.4	5.5	4.3	4.9	3.5	4.2	8.3	6.0	6.1	8.3
	DAY-HR	26-18	16-23	30-05	06-08	09-04	22-15	02-08	31-22	27-08	28-15	19-20	10-08	OCT
	# OBS	734	660	714	709	725	702	716	719	638	559	676	735	8287
2000	MEAN	2.4	3.4	3.4	2.1	2.3	1.8	1.8	1.8	1.7	2.4	2.5	2.6	2.3
	MAXIMUM	7.8	7.0	6.8	4.6	4.8	4.4	3.5	3.5	3.7	6.3	5.4	7.7	7.8
	DAY-HR	31-13	14-22	03-19	29-11	31-01	14-12	03-11	15-00	30-07	29-08	30-21	22-18	JAN
	# OBS	706	671	702	681	703	703	727	737	718	733	714	739	8534
2001	MEAN	3.3	2.9	3.0	2.2	2.2	2.1	2.0	2.0	1.9	2.1	2.9	3.4	2.5
	MAXIMUM	8.1	6.2	6.5	4.0	7.5	4.2	3.4	4.1	4.0	5.3	7.3	7.0	8.1
	DAY-HR	11-16	20-09	04-21	10-05	02-04	04-01	16-02	29-14	27-11	24-13	21-21	03-12	JAN
	# OBS	740	666	728	668	735	705	739	734	713	738	714	419	8299
POR	MEAN	2.6	2.7	2.7	2.4	2.2	2.1	1.8	1.7	1.8	2.0	2.5	2.7	2.3
	MAXIMUM	8.3	7.3	6.9	6.8	7.5	4.7	5.1	4.2	5.4	8.3	7.6	8.8	8.8
	YEAR	1983	1984	1999	1994	2001	1983	1987	1993	1986	1999	1998	1995	DEC/1995
	# OBS	12636	10966	11691	12294	12590	12833	13883	11795	12792	14160	13013	12530	151183

STATION: 46013

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

Month: JAN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.6	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	0.1	0.1	*	0.1	*	1.6	202
1 - 3		0.9	0.9	1.0	1.2	1.0	0.7	0.5	0.5	0.5	0.7	0.8	0.9		9.7	1256
4 - 6		1.2	0.7	1.4	2.4	1.6	1.0	0.8	0.7	0.5	0.8	1.6	1.7		14.3	1847
7 - 10		0.9	0.6	2.0	5.8	2.4	1.8	1.0	0.7	0.7	0.7	2.2	3.7		22.4	2904
11 - 15		0.7	0.2	1.9	7.1	2.4	1.7	1.2	0.9	0.8	0.7	3.3	4.8		25.6	3317
16 - 20		0.3	0.1	0.4	3.5	1.1	1.3	1.0	0.5	0.3	0.3	3.0	4.3		16.3	2116
21 - 24		0.1	*	0.3	0.9	0.3	0.7	0.5	0.2	0.1	0.1	1.2	2.2		6.7	865
25 - 33		-	-	0.1	0.6	0.2	0.7	0.2	*	*	*	0.7	0.8		3.3	431
34 - 47		-	-	*	*	*	*	*	-	-	-	-	*		0.1	15
> 48		-	-	-	-	-	-	-	-	-	-	-	-		0.0	0
TOTAL %	0.6	4.3	2.6	7.1	21.6	9.2	7.8	5.4	3.5	3.0	3.5	12.9	18.4	100.0		
TOTAL N	83	552	339	918	2804	1195	1014	698	458	388	449	1673	2382		12953	

(* < 0.05%)

STATION: 46013

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

Month: FEB

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.7	*	*	*	0.1	*	*	0.1	*	0.1	0.2	0.1	0.1		1.5	162
1 - 3		0.7	0.7	0.7	0.8	0.9	0.7	0.6	0.5	0.7	0.9	1.2	1.1		9.5	1025
4 - 6		1.0	0.5	1.0	1.5	1.5	1.4	0.9	0.6	0.9	1.3	2.2	2.1		14.8	1595
7 - 10		0.8	0.4	1.0	2.8	2.4	2.2	1.5	0.9	1.1	1.4	3.8	3.9		22.2	2396
11 - 15		0.7	0.1	1.0	2.4	2.0	2.7	1.4	1.2	1.0	1.1	4.6	5.3		23.6	2541
16 - 20		0.6	*	0.2	1.2	1.2	2.0	1.3	0.7	0.4	0.7	3.9	4.3		16.6	1785
21 - 24		0.2	-	0.1	0.3	0.3	1.2	0.6	0.2	0.1	0.1	1.7	2.5		7.2	781
25 - 33		0.1	*	*	0.1	0.1	0.4	0.4	*	*	*	1.0	2.1		4.4	471
34 - 47		-	-	-	-	-	*	*	-	-	-	*	0.2		0.2	25
> 48		-	-	-	-	-	-	-	-	-	-	-	-		0.0	0

TOTAL %	0.7	4.2	1.9	4.1	9.1	8.5	10.6	6.7	4.2	4.3	5.6	18.4	21.6	100.0	
TOTAL N	79	454	202	438	980	920	1147	727	456	468	602	1983	2325		10781

(* < 0.05%)

STATION: 46013

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

Month: MAR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	*	0.1	*	*	0.1	*	0.1	*	*	0.1	0.1	*	0.6	77
1 - 3		0.4	0.4	0.5	0.4	0.7	0.7	0.7	0.5	0.7	0.8	0.6	0.5	7.0	826
4 - 6		0.9	0.3	0.5	0.8	1.1	1.1	1.4	1.0	1.0	1.4	1.9	1.4	12.6	1493
7 - 10		1.0	0.2	0.4	1.2	1.2	2.1	1.4	1.1	0.9	1.7	4.0	3.3	18.4	2180
11 - 15		1.1	0.1	0.2	0.7	1.2	2.1	1.3	0.8	0.8	1.2	6.6	5.1	21.2	2523
16 - 20		1.2	0.1	0.1	0.3	0.7	1.7	0.7	0.5	0.4	0.7	7.4	5.8	19.6	2328
21 - 24		1.0	*	*	*	0.2	1.0	0.4	0.4	0.1	0.1	4.8	4.8	12.9	1528
25 - 33		0.5	-	-	-	0.1	0.5	0.3	0.1	*	-	2.2	3.9	7.6	898
34 - 47		-	-	-	-	-	*	-	-	-	-	-	0.2	0.2	25
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	6.0	1.2	1.6	3.3	5.4	9.2	6.2	4.5	4.0	5.9	27.5	25.1	100.0	
TOTAL N	21	714	140	195	394	642	1090	733	536	471	701	3261	2980		11878

(* < 0.05%)

STATION: 46013

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

Month: APR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	*	*	*	0.1	*	0.1	0.1	*	*	*	0.1	*	1.0	129
1 - 3		0.5	0.3	0.3	0.4	0.6	0.7	0.7	0.6	0.6	0.8	0.9	0.7	7.1	921
4 - 6		0.5	0.2	0.2	0.5	0.7	1.2	1.4	0.8	0.9	1.7	2.6	1.7	12.3	1590
7 - 10		0.7	0.1	0.2	0.4	0.7	1.4	1.0	0.7	0.8	2.0	5.4	3.2	16.5	2140
11 - 15		1.1	0.4	*	0.2	0.5	1.2	1.1	0.6	0.4	1.3	8.9	5.7	21.3	2759
16 - 20		2.0	0.1	*	*	0.2	0.6	0.3	0.2	*	0.1	9.8	5.6	19.2	2484
21 - 24		1.4	-	*	-	*	0.1	0.1	*	-	*	7.0	3.9	12.5	1622
25 - 33		1.0	-	-	-	*	0.1	*	*	-	-	5.2	3.6	10.0	1291
34 - 47		*	-	-	-	-	-	-	-	-	-	*	0.1	0.1	19
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	7.3	1.2	0.8	1.7	2.8	5.3	4.7	2.9	2.8	5.9	39.9	24.4	100.0	
TOTAL N	50	946	154	101	217	363	686	605	382	357	767	5163	3164		12955

(* < 0.05%)

STATION: 46013

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

Month: MAY

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	*	*	-	*	*	*	*	*	0.1	*	0.1	*	0.7	87
1 - 3		0.2	0.2	0.1	0.2	0.4	0.5	0.6	0.4	0.5	0.7	0.6	0.4	4.9	643
4 - 6		0.2	0.1	0.1	0.2	0.7	0.9	1.0	0.8	0.7	1.4	1.7	0.9	8.8	1169
7 - 10		0.5	0.1	*	0.2	1.1	1.8	0.7	0.4	0.5	1.8	4.9	2.1	13.9	1842
11 - 15		0.7	*	*	0.2	0.7	1.4	0.3	0.3	0.1	0.9	9.6	4.3	18.3	2419
16 - 20		1.0	-	-	-	0.2	0.6	0.2	0.1	*	0.3	14.4	5.1	21.9	2896
21 - 24		1.1	-	-	-	0.1	0.2	*	-	-	*	11.4	3.8	16.6	2193
25 - 33		0.7	-	-	-	-	*	-	-	-	-	10.0	4.0	14.6	1933
34 - 47		-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.2	29
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
TOTAL %	0.3	4.5	0.3	0.3	0.8	3.2	5.4	2.9	2.0	1.9	5.2	52.7	20.7	100.0	
TOTAL N	37	588	45	38	107	418	709	377	261	255	681	6964	2732		13212

(* < 0.05%)

STATION: 46013

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

Month: JUN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	*	2.1	271
1 - 3		0.5	0.4	0.3	0.5	0.8	0.9	0.9	0.7	0.6	1.0	1.1	0.7	8.5	1101
4 - 6		0.3	0.1	0.1	0.3	1.1	1.3	0.8	0.7	0.6	1.6	2.4	1.0	10.4	1357
7 - 10		0.3	*	*	0.1	0.6	1.2	0.4	0.1	0.3	1.5	4.5	1.7	10.8	1410
11 - 15		0.8	*	*	*	0.3	0.5	0.1	*	-	0.9	8.6	4.0	15.1	1959
16 - 20		1.3	*	-	-	*	0.1	*	-	-	0.3	12.7	5.6	20.1	2614
21 - 24		1.4	-	-	-	-	-	-	-	-	0.1	13.6	3.8	18.9	2461

25 - 33	1.1	-	-	-	-	-	-	-	-	-	-	10.3	2.6	14.0	1821
34 - 47	-	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	11
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.2	5.8	0.6	0.5	1.0	2.9	4.1	2.4	1.7	1.6	5.3	53.5	19.4	100.0	
TOTAL N	154	751	83	68	125	383	529	310	225	211	689	6959	2518		13005

(* < 0.05%)

STATION: 46013

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

Month: JUL

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.2	*	0.1	*	*	0.1	0.1	0.3	0.2	0.1	0.2	0.1	0.1	2.5	359
1 - 3		0.8	0.6	0.8	0.8	1.0	1.4	1.9	1.3	1.4	1.9	1.8	1.2	14.8	2092
4 - 6		0.5	0.3	0.2	0.4	0.9	1.4	1.0	0.6	0.8	2.1	3.1	1.8	13.2	1859
7 - 10		0.5	0.1	*	0.1	0.4	0.9	0.4	0.2	0.2	1.4	5.6	2.4	12.1	1710
11 - 15		0.7	*	-	-	*	0.2	*	*	*	0.7	9.0	4.9	15.6	2196
16 - 20		1.2	*	-	-	-	-	-	-	-	0.7	11.9	4.7	18.6	2614
21 - 24		0.8	*	-	-	-	-	-	-	-	0.4	10.8	2.1	14.2	2002
25 - 33		0.3	-	-	-	-	-	-	-	-	0.1	7.5	1.1	8.9	1253
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	3
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.2	4.9	1.1	1.0	1.2	2.5	4.0	3.6	2.3	2.5	7.4	50.0	18.3	100.0	
TOTAL N	173	685	160	142	173	353	560	506	319	357	1043	7045	2572		14088

(* < 0.05%)

STATION: 46013

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

Month: AUG

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.0	0.1	0.1	*	0.1	0.1	0.1	0.2	0.1	*	0.1	0.1	*	1.9	249
1 - 3		0.8	0.5	0.5	0.9	1.2	1.3	1.1	0.9	1.1	1.6	1.6	1.0	12.5	1616
4 - 6		0.4	0.3	0.2	0.3	1.1	1.4	1.2	0.6	0.9	2.3	3.0	1.6	13.4	1728
7 - 10		0.4	*	*	0.1	0.7	1.1	0.3	0.1	0.2	2.1	6.5	3.7	15.2	1965
11 - 15		0.3	*	-	-	0.2	0.4	*	*	-	0.8	10.3	6.4	18.5	2381
16 - 20		0.3	*	*	*	*	0.1	-	*	*	0.2	12.3	6.4	19.5	2509
21 - 24		0.4	*	*	*	-	-	-	-	-	0.1	9.5	3.2	13.2	1700
25 - 33		0.1	-	-	*	-	-	-	-	-	*	4.6	1.0	5.8	746
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	2
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.0	2.8	1.0	0.8	1.4	3.3	4.4	2.8	1.7	2.3	7.2	47.9	23.5	100.0	
TOTAL N	127	366	126	109	178	422	565	365	216	295	924	6175	3028		12896

(* < 0.05%)

STATION: 46013

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

Month: SEP

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.1	2.9	383
1 - 3		1.1	0.8	0.9	1.0	1.4	1.4	1.4	1.5	1.6	1.7	2.2	1.4	16.5	2190
4 - 6		0.8	0.4	0.3	0.7	1.7	2.0	1.7	0.8	1.0	2.4	4.2	3.0	18.9	2512
7 - 10		0.5	0.1	0.1	0.3	1.2	1.9	0.7	0.2	0.4	1.9	7.5	4.6	19.5	2595
11 - 15		0.2	*	0.1	0.1	0.3	0.5	0.1	*	0.1	0.9	8.9	6.6	17.7	2350
16 - 20		*	*	*	*	-	*	-	*	*	0.3	8.3	5.6	14.3	1906
21 - 24		-	-	-	-	-	-	-	-	-	*	4.6	2.7	7.2	963
25 - 33		-	-	-	-	-	-	-	-	-	-	2.2	0.8	2.9	391
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.3	2.7	1.5	1.4	2.2	4.7	5.8	4.2	2.7	3.1	7.6	38.0	24.8	100.0	
TOTAL N	175	354	193	192	287	630	772	560	360	412	1007	5056	3292		13290

(* < 0.05%)

STATION: 46013

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

Month: OCT

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.1	0.2	*	*	0.1	0.1	*	0.2	0.1	0.1	0.1	0.1	0.1	2.3	322
1 - 3		1.1	0.9	0.9	1.0	1.3	1.3	1.0	1.1	1.2	1.5	2.0	1.9	15.1	2161
4 - 6		1.1	0.4	0.6	1.3	1.5	1.6	1.3	0.8	1.0	2.0	4.5	3.5	19.6	2798

7 - 10	0.4	0.1	0.3	0.6	1.0	1.7	0.9	0.4	0.5	1.4	7.6	5.9	20.7	2964
11 - 15	0.2	*	0.1	0.2	0.6	1.2	0.4	0.2	0.1	0.6	8.6	7.3	19.5	2785
16 - 20	-	*	*	-	0.2	0.5	0.2	*	0.1	0.2	6.9	5.4	13.4	1912
21 - 24	*	-	*	*	*	0.1	0.1	-	*	*	3.1	3.0	6.3	906
25 - 33	-	-	-	-	-	0.1	*	*	-	-	1.6	1.5	3.2	456
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
TOTAL %	1.1	2.9	1.5	1.9	3.1	4.7	6.5	4.0	2.6	3.1	5.8	34.5	28.5	100.0
TOTAL N	153	419	208	266	449	666	926	574	371	437	825	4931	4080	14305

(* < 0.05%)

STATION: 46013

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

Month: NOV

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.6	0.1	0.1	*	0.1	0.1	*	0.1	0.1	*	0.1	0.1	0.1	1.4	187
1 - 3		1.1	1.1	1.0	1.2	1.1	0.8	0.8	0.7	0.7	0.8	1.2	1.3	11.8	1626
4 - 6		1.4	0.5	1.1	1.6	1.6	1.1	1.0	0.7	0.7	1.1	2.5	2.9	16.1	2228
7 - 10		0.9	0.2	0.9	2.9	1.9	1.6	1.0	0.6	0.7	1.4	4.3	5.6	21.9	3027
11 - 15		0.4	0.1	0.6	2.4	1.6	2.1	0.7	0.6	0.6	0.7	4.3	7.7	21.8	3018
16 - 20		0.2	*	0.1	0.9	0.8	1.7	0.7	0.2	0.3	0.3	4.4	6.3	16.0	2207
21 - 24		0.1	*	-	0.1	0.3	0.5	0.2	0.1	*	0.1	2.4	3.8	7.6	1047
25 - 33		*	-	-	0.1	*	0.3	0.2	*	-	*	0.9	2.0	3.5	477
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	2
> 48		-	-	-	-	-	-	*	-	-	-	-	*	0.0	2
TOTAL %	0.6	4.0	2.1	3.7	9.2	7.4	8.2	4.6	3.0	3.0	4.5	20.0	29.7	100.0	
TOTAL N	77	554	288	513	1277	1018	1132	637	412	418	627	2768	4100	13821	

(* < 0.05%)

STATION: 46013

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

Month: DEC

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	*	0.1	0.1	0.1	0.1	*	0.1	*	*	0.1	*	0.1	1.1	148
1 - 3		1.1	1.0	0.9	1.2	1.0	0.6	0.4	0.5	0.5	0.8	1.0	1.1	10.0	1335
4 - 6		1.7	0.9	1.4	2.7	1.1	0.7	0.6	0.6	0.5	0.7	1.7	2.3	14.9	1995
7 - 10		1.1	0.5	2.2	5.5	2.0	1.0	1.0	0.9	0.9	0.9	3.0	4.7	23.4	3136
11 - 15		0.5	0.1	2.3	6.3	2.1	1.4	1.0	0.6	0.7	0.7	3.0	5.7	24.4	3269
16 - 20		0.4	*	0.9	2.9	1.1	1.0	1.1	0.5	0.3	0.4	2.6	5.4	16.5	2212
21 - 24		0.1	*	0.1	0.4	0.3	0.6	0.5	0.2	0.1	0.1	1.2	2.6	6.3	845
25 - 33		*	*	*	0.1	0.1	0.3	0.2	0.1	*	0.1	0.6	1.8	3.3	440
34 - 47		-	-	-	-	-	*	*	*	-	-	*	*	0.1	14
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	4.9	2.7	7.8	19.1	7.8	5.5	4.8	3.3	3.0	3.7	13.2	23.7	100.0	
TOTAL N	63	660	365	1051	2553	1049	740	648	436	399	492	1768	3170	13394	

(* < 0.05%)

STATION: 46013

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

All Months: Annual

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	0.1	0.1	*	0.1	0.1	*	0.1	0.1	0.1	0.1	0.1	0.1	1.6	2576
1 - 3		0.8	0.7	0.7	0.8	1.0	0.9	0.9	0.8	0.9	1.1	1.3	1.0	10.7	16792
4 - 6		0.8	0.4	0.6	1.1	1.2	1.2	1.1	0.7	0.8	1.6	2.6	2.0	14.2	22171
7 - 10		0.7	0.2	0.6	1.6	1.3	1.5	0.8	0.5	0.6	1.5	5.0	3.7	18.1	28269
11 - 15		0.6	0.1	0.5	1.6	1.0	1.2	0.6	0.4	0.4	0.8	7.2	5.7	20.1	31517
16 - 20		0.7	*	0.2	0.7	0.5	0.8	0.4	0.2	0.1	0.4	8.2	5.4	17.6	27583
21 - 24		0.5	*	*	0.1	0.1	0.4	0.2	0.1	*	0.1	6.0	3.2	10.8	16913
25 - 33		0.3	*	*	0.1	*	0.2	0.1	*	*	*	3.9	2.1	6.8	10608
34 - 47		*	-	*	*	*	*	*	*	-	-	*	*	0.1	145
> 48		-	-	-	-	*	-	*	-	-	-	-	*	0.0	4
TOTAL %	0.8	4.5	1.5	2.6	6.1	5.1	6.3	4.3	2.8	2.9	5.6	34.3	23.2	100.0	
TOTAL N	1192	7043	2303	4031	9544	8059	9870	6740	4432	4468	8807	53746	36343	156578	

(* < 0.05%)

STATION: 46013

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	0.1	*	0.1	*	*	0.1	0.1	*	1.4	512
1 - 3		0.9	0.9	0.9	1.1	1.0	0.6	0.5	0.5	0.6	0.8	1.0	1.0	9.7	3616
4 - 6		1.3	0.7	1.3	2.2	1.4	1.0	0.8	0.6	0.6	0.9	1.8	2.0	14.6	5437
7 - 10		1.0	0.5	1.8	4.8	2.2	1.6	1.1	0.8	0.9	1.0	3.0	4.1	22.7	8436
11 - 15		0.6	0.2	1.8	5.4	2.2	1.8	1.2	0.9	0.8	0.8	3.6	5.3	24.6	9127
16 - 20		0.4	0.1	0.5	2.6	1.2	1.4	1.1	0.6	0.3	0.4	3.1	4.7	16.5	6113
21 - 24		0.1	*	0.2	0.6	0.3	0.8	0.5	0.2	0.1	0.1	1.3	2.4	6.7	2491
25 - 33		*	*	*	0.2	0.1	0.5	0.3	*	*	*	0.7	1.5	3.6	1342
34 - 47		-	-	*	*	*	*	*	*	-	-	*	0.1	0.1	54
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.6	4.5	2.4	6.5	17.1	8.5	7.8	5.6	3.6	3.4	4.2	14.6	21.2	100.0	
TOTAL N	225	1666	906	2407	6337	3164	2901	2073	1350	1255	1543	5424	7877		37128

(* < 0.05%)

STATION: 46013

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	*	*	*	0.1	*	*	0.1	*	*	*	0.1	*	0.8	293
1 - 3		0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.5	0.6	0.8	0.7	0.5	6.3	2390
4 - 6		0.5	0.2	0.3	0.5	0.8	1.0	1.2	0.9	0.9	1.5	2.1	1.3	11.2	4252
7 - 10		0.7	0.1	0.2	0.6	1.0	1.7	1.0	0.7	0.7	1.8	4.8	2.8	16.2	6162
11 - 15		1.0	0.2	0.1	0.3	0.8	1.5	0.9	0.6	0.4	1.1	8.4	5.0	20.2	7701
16 - 20		1.4	0.1	*	0.1	0.4	1.0	0.4	0.2	0.1	0.4	10.7	5.5	20.3	7708
21 - 24		1.1	*	*	*	0.1	0.4	0.1	0.1	*	*	7.8	4.2	14.0	5343
25 - 33		0.7	-	-	-	*	0.2	0.1	*	*	-	5.9	3.8	10.8	4122
34 - 47		*	-	-	-	-	*	-	-	-	-	*	0.1	0.2	73
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
TOTAL %	0.3	5.9	0.9	0.9	1.9	3.7	6.5	4.5	3.1	2.8	5.6	40.4	23.3	100.0	
TOTAL N	108	2248	339	334	718	1423	2485	1715	1179	1083	2149	15388	8876		38045

(* < 0.05%)

STATION: 46013

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	2.2	879
1 - 3		0.7	0.5	0.5	0.7	1.0	1.2	1.3	1.0	1.0	1.5	1.5	1.0	12.0	4809
4 - 6		0.4	0.2	0.2	0.3	1.0	1.4	1.0	0.7	0.8	2.0	2.8	1.5	12.4	4944
7 - 10		0.4	*	*	0.1	0.6	1.1	0.4	0.1	0.3	1.6	5.6	2.6	12.7	5085
11 - 15		0.6	*	*	*	0.2	0.3	*	*	*	0.8	9.3	5.1	16.3	6536
16 - 20		0.9	*	*	*	*	0.1	*	*	*	0.4	12.3	5.5	19.3	7737
21 - 24		0.9	*	*	*	-	-	-	-	-	0.2	11.3	3.0	15.4	6163
25 - 33		0.5	-	-	*	-	-	-	-	-	*	7.5	1.6	9.6	3820
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	16
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.1	4.5	0.9	0.8	1.2	2.9	4.1	3.0	1.9	2.2	6.6	50.5	20.3	100.0	
TOTAL N	454	1802	369	319	476	1158	1654	1181	760	863	2656	20179	8118		39989

(* < 0.05%)

STATION: 46013

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.0	0.1	0.1	*	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	2.2	892
1 - 3		1.1	0.9	0.9	1.0	1.2	1.2	1.1	1.1	1.2	1.3	1.8	1.6	14.4	5977
4 - 6		1.1	0.5	0.7	1.2	1.6	1.5	1.3	0.8	0.9	1.8	3.7	3.1	18.2	7538
7 - 10		0.6	0.1	0.4	1.3	1.4	1.7	0.9	0.4	0.5	1.6	6.5	5.4	20.7	8586
11 - 15		0.2	*	0.2	0.9	0.8	1.3	0.4	0.3	0.3	0.7	7.3	7.2	19.7	8153
16 - 20		0.1	*	0.1	0.3	0.3	0.7	0.3	0.1	0.1	0.3	6.5	5.7	14.5	6025
21 - 24		*	*	*	*	0.1	0.2	0.1	*	*	*	3.3	3.1	7.0	2916
25 - 33		*	-	-	*	*	0.1	0.1	*	-	*	1.5	1.4	3.2	1324
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	2
> 48		-	-	-	-	*	-	*	-	-	-	-	*	0.0	3
TOTAL %	1.0	3.2	1.7	2.3	4.9	5.6	6.8	4.3	2.8	3.1	5.9	30.8	27.7	100.0	
TOTAL N	405	1327	689	971	2013	2314	2830	1771	1143	1267	2459	12755	11472		41416

(* < 0.05%)

STATION: 46013

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

Month: JAN

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	*	0.2	0.8	0.3	0.2	*	-	-	-	-	-	-	-	-	-	-	1.5	192
1 - 3	*	1.1	4.8	2.6	0.9	0.2	*	-	-	-	-	-	-	-	-	-	9.5	1204
4 - 6	*	1.6	6.8	3.6	1.7	0.3	*	*	*	-	-	-	-	-	-	-	14.1	1778
7 - 10	-	2.7	10.1	6.0	2.6	0.6	0.1	*	*	-	-	-	-	-	-	-	22.2	2805
11 - 15	-	2.7	10.0	8.3	3.4	0.9	0.3	0.1	-	-	-	-	-	-	-	-	25.6	3240
16 - 20	-	0.6	5.6	6.1	2.8	0.8	0.3	0.1	*	-	-	-	-	-	-	-	16.3	2063
21 - 24	-	*	1.1	3.1	1.7	0.4	0.1	0.1	*	-	-	-	-	-	-	-	6.6	835
25 - 33	-	*	0.4	1.0	1.0	0.6	0.2	*	*	-	-	-	-	-	-	-	3.2	409
34 - 47	-	-	-	*	*	*	*	*	-	-	-	-	-	-	-	-	0.1	14
> 48	-	*	0.3	0.2	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.8	96
TOTAL %	0.1	8.9	39.9	31.3	14.5	3.8	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	8	1130	5042	3954	1826	485	130	48	13	0	0	0	0	0	0	0		12636

STATION: 46013

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

Month: FEB

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	*	0.4	0.8	0.2	*	*	-	-	-	-	-	-	-	-	-	-	1.5	161
1 - 3	*	2.0	3.9	2.5	0.7	0.2	*	*	-	-	-	-	-	-	-	-	9.3	1024
4 - 6	0.1	2.3	6.1	4.3	1.4	0.4	*	*	-	-	-	-	-	-	-	-	14.5	1588
7 - 10	*	3.0	8.3	7.2	2.4	0.7	0.1	*	-	-	-	-	-	-	-	-	21.7	2383
11 - 15	*	2.6	7.9	8.0	3.2	1.0	0.3	-	-	-	-	-	-	-	-	-	23.1	2532
16 - 20	-	0.5	4.0	7.4	2.8	1.0	0.3	0.1	-	-	-	-	-	-	-	-	16.1	1767
21 - 24	-	*	1.2	3.2	2.0	0.4	0.1	*	-	-	-	-	-	-	-	-	7.0	769
25 - 33	-	-	0.2	1.6	1.9	0.6	*	-	-	-	-	-	-	-	-	-	4.2	462
34 - 47	-	-	-	-	0.1	0.1	*	-	-	-	-	-	-	-	-	-	0.2	25
> 48	-	0.4	1.3	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	2.3	255
TOTAL %	0.1	11.3	33.7	34.9	14.4	4.4	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	1241	3693	3827	1581	485	111	16	0	0	0	0	0	0	0	0		10966

STATION: 46013

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

Month: MAR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	-	0.2	0.3	0.1	*	*	-	-	-	-	-	-	-	-	-	-	0.7	76
1 - 3	-	1.7	2.9	1.6	0.5	0.1	*	-	-	-	-	-	-	-	-	-	6.9	806
4 - 6	*	2.8	5.0	3.4	1.2	0.2	*	-	-	-	-	-	-	-	-	-	12.6	1471
7 - 10	*	2.8	7.8	5.7	1.7	0.4	0.1	*	-	-	-	-	-	-	-	-	18.4	2155
11 - 15	0.1	2.2	8.4	6.4	2.9	0.8	0.1	0.1	-	-	-	-	-	-	-	-	21.0	2456
16 - 20	-	0.6	6.4	8.2	3.1	0.9	0.2	0.1	-	-	-	-	-	-	-	-	19.5	2279
21 - 24	-	*	1.8	6.3	3.5	0.9	0.2	*	-	-	-	-	-	-	-	-	12.7	1484
25 - 33	-	-	0.1	2.4	3.4	1.5	0.2	*	-	-	-	-	-	-	-	-	7.6	885
34 - 47	-	-	-	-	*	0.1	0.1	*	-	-	-	-	-	-	-	-	0.2	22
> 48	-	-	*	0.4	*	-	-	-	-	-	-	-	-	-	-	-	0.5	57
TOTAL %	0.1	10.4	32.8	34.5	16.4	4.9	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	1220	3829	4032	1915	570	94	19	0	0	0	0	0	0	0	0		11691

STATION: 46013

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

Month: APR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	*	0.4	0.3	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.8	104
1 - 3	*	2.2	3.2	0.9	0.2	0.1	*	-	-	-	-	-	-	-	-	-	6.5	797
4 - 6	*	3.9	5.2	1.6	0.4	0.1	0.1	-	-	-	-	-	-	-	-	-	11.4	1404
7 - 10	0.1	3.9	7.8	3.1	0.6	0.3	0.1	*	-	-	-	-	-	-	-	-	15.9	1952
11 - 15	*	3.3	10.9	4.9	1.3	0.4	*	*	-	-	-	-	-	-	-	-	21.0	2577
16 - 20	-	0.7	10.2	6.2	1.9	0.3	*	-	-	-	-	-	-	-	-	-	19.4	2380
21 - 24	-	*	3.4	6.4	2.6	0.3	-	-	-	-	-	-	-	-	-	-	12.8	1571
25 - 33	-	-	0.7	4.5	3.9	0.9	0.1	-	-	-	-	-	-	-	-	-	10.0	1232
34 - 47	-	-	-	*	*	*	*	-	-	-	-	-	-	-	-	-	0.2	19
> 48	-	0.4	0.6	0.6	0.3	0.2	*	-	-	-	-	-	-	-	-	-	2.1	258
TOTAL %	0.2	14.8	42.3	28.4	11.3	2.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

TOTAL N 19 1814 5200 3494 1384 335 44 4 0 0 0 0 0 0 0 12294
 (* < 0.05%)

STATION: 46013

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

Month: MAY

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.7	83
1 - 3	-	0.2	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	5.0	634
4 - 6	-	1.6	3.0	0.4	*	-	-	-	-	-	-	-	-	-	-	9.1	1148
7 - 10	-	2.9	5.3	0.8	0.1	*	-	-	-	-	-	-	-	-	-	14.3	1799
11 - 15	-	5.0	7.4	1.7	0.2	-	-	-	-	-	-	-	-	-	-	18.3	2299
16 - 20	-	4.6	10.4	3.0	0.3	0.1	-	-	-	-	-	-	-	-	-	21.6	2716
21 - 24	-	1.2	14.4	5.5	0.4	0.1	*	-	-	-	-	-	-	-	-	16.6	2089
25 - 33	-	0.2	7.3	7.6	1.4	0.1	*	-	-	-	-	-	-	-	-	14.2	1787
34 - 47	-	*	1.8	8.1	3.9	0.4	*	*	-	-	-	-	-	-	-	0.2	27
> 48	-	-	-	-	0.1	0.1	*	*	*	-	-	-	-	-	-	0.1	8
TOTAL %	0.0	15.7	49.9	27.1	6.4	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1974	6279	3418	809	91	13	5	1	0	0	0	0	0	0		12590

STATION: 46013

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

Month: JUN

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	2.1	267
1 - 3	0.1	1.2	0.7	0.1	-	-	-	-	-	-	-	-	-	-	-	8.5	1088
4 - 6	0.1	4.2	3.5	0.7	*	-	-	-	-	-	-	-	-	-	-	10.5	1346
7 - 10	0.1	5.2	4.4	0.8	*	-	-	-	-	-	-	-	-	-	-	10.9	1399
11 - 15	*	4.5	5.5	0.9	*	-	-	-	-	-	-	-	-	-	-	15.1	1937
16 - 20	-	4.1	8.9	1.8	0.3	-	-	-	-	-	-	-	-	-	-	20.0	2570
21 - 24	-	2.2	12.9	4.5	0.4	-	-	-	-	-	-	-	-	-	-	18.8	2416
25 - 33	-	0.3	9.7	8.0	0.9	-	-	-	-	-	-	-	-	-	-	14.0	1797
34 - 47	-	-	2.4	8.9	2.6	0.1	-	-	-	-	-	-	-	-	-	0.1	10
> 48	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.3	21.7	48.0	25.6	4.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	36	2785	6162	3285	551	14	0	0	0	0	0	0	0	0	0		12833

STATION: 46013

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

Month: JUL

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	2.5	354
1 - 3	*	1.8	0.8	*	-	-	-	-	-	-	-	-	-	-	-	14.8	2060
4 - 6	*	8.6	5.5	0.8	-	-	-	-	-	-	-	-	-	-	-	13.3	1843
7 - 10	*	7.4	5.5	0.4	-	-	-	-	-	-	-	-	-	-	-	12.2	1694
11 - 15	*	6.5	5.5	0.2	-	-	-	-	-	-	-	-	-	-	-	15.6	2168
16 - 20	*	6.6	8.2	0.8	*	-	-	-	-	-	-	-	-	-	-	18.5	2572
21 - 24	-	3.0	12.2	3.3	*	-	-	-	-	-	-	-	-	-	-	14.1	1951
25 - 33	-	0.3	8.4	5.2	0.2	*	-	-	-	-	-	-	-	-	-	8.8	1228
34 - 47	-	-	2.2	5.6	0.9	0.1	-	-	-	-	-	-	-	-	-	0.0	3
> 48	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.1	10
TOTAL %	0.1	34.1	48.1	16.3	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	13	4734	6682	2266	169	19	0	0	0	0	0	0	0	0	0		13883

STATION: 46013

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

Month: AUG

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.9	228
1 - 3	-	1.1	0.8	*	-	-	-	-	-	-	-	-	-	-	-	12.4	1462
4 - 6	*	7.1	4.9	0.3	-	-	-	-	-	-	-	-	-	-	-	13.1	1547
7 - 10	-	8.0	4.8	0.2	-	-	-	-	-	-	-	-	-	-	-	14.4	1703
TOTAL %	0.1	34.1	48.1	16.3	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	13	4734	6682	2266	169	19	0	0	0	0	0	0	0	0	0		13883

11 - 15	*	7.5	9.5	0.7	-	-	-	-	-	-	-	-	-	-	-	17.6	2077
16 - 20	-	3.6	13.3	1.4	0.1	-	-	-	-	-	-	-	-	-	-	18.3	2160
21 - 24	-	0.2	8.7	4.0	0.1	-	-	-	-	-	-	-	-	-	-	13.0	1538
25 - 33	-	-	1.8	3.2	0.3	-	-	-	-	-	-	-	-	-	-	5.3	631
34 - 47	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
> 48	-	1.0	2.0	0.8	-	-	-	-	-	-	-	-	-	-	-	3.8	447
TOTAL %	0.1	36.2	52.3	10.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	4268	6169	1290	56	0	0	0	0	0	0	0	0	0	0		11795

(* < 0.05%)

STATION: 46013

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

Month: SEP

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	2.9	365
1 - 3	*	7.1	7.7	1.2	0.2	-	-	-	-	-	-	-	-	-	-	16.0	2048
4 - 6	*	9.0	8.2	1.3	0.1	*	-	-	-	-	-	-	-	-	-	18.7	2392
7 - 10	*	9.1	8.7	1.4	0.2	*	-	-	-	-	-	-	-	-	-	19.4	2483
11 - 15	-	6.5	8.9	1.7	0.1	-	-	-	-	-	-	-	-	-	-	17.2	2206
16 - 20	-	1.9	8.7	3.2	0.2	-	-	-	-	-	-	-	-	-	-	14.0	1789
21 - 24	-	0.2	3.1	3.0	0.5	-	-	-	-	-	-	-	-	-	-	6.8	867
25 - 33	-	*	0.8	1.7	0.3	*	-	-	-	-	-	-	-	-	-	2.8	359
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	0.7	1.3	0.2	-	-	-	-	-	-	-	-	-	-	-	2.2	283
TOTAL %	0.1	35.9	48.6	13.8	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	9	4592	6219	1759	201	12	0	0	0	0	0	0	0	0	0		12792

(* < 0.05%)

STATION: 46013

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

Month: OCT

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	2.3	320
1 - 3	-	0.8	1.3	0.1	-	-	-	-	-	-	-	-	-	-	-	15.1	2141
4 - 6	*	5.9	7.8	1.4	*	*	-	-	-	-	-	-	-	-	-	19.6	2770
7 - 10	*	7.4	9.7	2.2	0.2	0.1	-	-	-	-	-	-	-	-	-	20.7	2931
11 - 15	-	6.8	10.4	3.0	0.4	0.1	0.1	*	*	-	-	-	-	-	-	19.4	2749
16 - 20	-	5.1	10.0	3.7	0.5	*	-	*	-	-	-	-	-	-	-	13.3	1889
21 - 24	-	1.1	7.9	3.5	0.7	0.1	*	*	-	-	-	-	-	-	-	6.2	884
25 - 33	-	*	2.4	2.7	1.0	0.2	*	*	-	-	-	-	-	-	-	3.1	442
34 - 47	-	-	0.3	1.5	1.1	0.1	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	27.3	50.0	18.0	4.0	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	3861	7074	2548	567	81	16	11	1	0	0	0	0	0	0		14160

(* < 0.05%)

STATION: 46013

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

Month: NOV

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.4	181
1 - 3	*	0.3	0.5	0.4	0.1	*	*	-	-	-	-	-	-	-	-	11.6	1510
4 - 6	*	1.9	5.0	3.1	1.1	0.4	0.1	-	-	-	-	-	-	-	-	16.1	2090
7 - 10	0.1	3.5	6.7	3.7	1.3	0.6	0.2	*	-	-	-	-	-	-	-	21.8	2833
11 - 15	*	4.5	8.8	5.2	2.2	0.7	0.3	*	*	-	-	-	-	-	-	21.5	2804
16 - 20	-	2.9	8.6	6.9	2.1	0.7	0.2	0.1	-	-	-	-	-	-	-	16.3	2122
21 - 24	-	0.6	6.1	6.8	2.0	0.5	0.2	*	-	-	-	-	-	-	-	7.7	1005
25 - 33	-	*	1.8	3.8	1.6	0.3	0.1	*	-	-	-	-	-	-	-	3.5	459
34 - 47	-	-	0.2	1.8	1.2	0.2	0.1	*	-	-	-	-	-	-	-	0.0	2
> 48	-	-	-	-	-	*	*	-	-	-	-	-	-	-	-	0.1	7
TOTAL %	0.1	13.8	37.8	31.8	11.6	3.5	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	18	1792	4915	4134	1504	458	161	28	3	0	0	0	0	0	0		13013

(* < 0.05%)

STATION: 46013

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

Month: DEC

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.1	135
1 - 3	-	1.8	4.1	2.5	1.0	0.3	0.1	*	-	-	-	-	-	-	-	9.9	1239
4 - 6	-	2.9	6.3	3.5	1.5	0.6	0.1	*	*	-	-	-	-	-	-	14.9	1863
7 - 10	-	3.9	9.3	6.7	2.6	0.7	0.1	0.1	*	-	-	-	-	-	-	23.5	2941
11 - 15	-	2.4	9.3	7.8	3.7	0.9	0.2	0.1	*	*	-	-	-	-	-	24.5	3066
16 - 20	-	0.5	4.5	5.9	3.9	1.2	0.2	0.1	*	-	-	-	-	-	-	16.4	2053
21 - 24	-	*	0.7	2.3	2.1	0.8	0.2	0.1	*	-	-	-	-	-	-	6.2	777
25 - 33	-	-	0.1	0.7	1.2	0.9	0.3	0.1	*	*	-	-	-	-	-	3.3	410
34 - 47	-	-	-	-	-	*	*	-	*	-	-	-	-	-	-	0.1	12
> 48	-	*	*	*	0.2	*	-	-	-	-	-	-	-	-	-	0.3	34
TOTAL %	0.0	11.7	34.8	29.7	16.3	5.5	1.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1464	4366	3724	2039	689	171	53	22	2	0	0	0	0	0		12530

(* < 0.05%)

STATION: 46013

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

All Months: Annual

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.6	2466
1 - 3	*	3.8	4.7	1.5	0.4	0.1	*	*	-	-	-	-	-	-	-	10.6	16013
4 - 6	*	4.8	6.2	2.1	0.7	0.2	*	*	*	-	-	-	-	-	-	14.0	21240
7 - 10	*	5.1	8.0	3.4	1.0	0.3	0.1	*	*	-	-	-	-	-	-	17.9	27078
11 - 15	*	4.3	9.3	4.4	1.4	0.4	0.1	*	*	*	-	-	-	-	-	19.9	30111
16 - 20	-	1.4	8.9	5.1	1.5	0.4	0.1	*	*	-	-	-	-	-	-	17.4	26360
21 - 24	-	0.1	4.2	4.6	1.4	0.3	0.1	*	*	-	-	-	-	-	-	10.7	16186
25 - 33	-	*	0.9	3.4	1.8	0.4	0.1	*	*	*	-	-	-	-	-	6.7	10101
34 - 47	-	-	-	*	*	*	*	*	*	-	-	-	-	-	-	0.1	136
> 48	-	0.2	0.5	0.2	0.1	*	*	-	-	-	-	-	-	-	-	1.0	1492
TOTAL %	0.1	20.4	43.4	25.0	8.3	2.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	140	30875	65630	37731	12602	3239	740	184	40	2	0	0	0	0	0		151183

(* < 0.05%)

STATION: 46013

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.4	488
1 - 3	*	1.6	4.3	2.5	0.9	0.2	0.1	*	-	-	-	-	-	-	-	9.6	3467
4 - 6	*	2.2	6.4	3.8	1.5	0.4	0.1	*	*	-	-	-	-	-	-	14.5	5229
7 - 10	*	3.2	9.3	6.6	2.5	0.7	0.1	*	*	-	-	-	-	-	-	22.5	8129
11 - 15	*	2.6	9.1	8.0	3.4	0.9	0.2	0.1	*	*	-	-	-	-	-	24.5	8838
16 - 20	-	0.5	4.7	6.4	3.2	1.0	0.3	0.1	*	-	-	-	-	-	-	16.3	5883
21 - 24	-	*	1.0	2.9	1.9	0.5	0.2	*	*	-	-	-	-	-	-	6.6	2381
25 - 33	-	*	0.2	1.1	1.3	0.7	0.2	*	*	*	-	-	-	-	-	3.5	1281
34 - 47	-	-	-	*	*	0.1	*	*	*	-	-	-	-	-	-	0.1	51
> 48	-	0.1	0.5	0.2	0.1	*	-	-	-	-	-	-	-	-	-	1.1	385
TOTAL %	0.1	10.6	36.3	31.8	15.1	4.6	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	20	3835	13101	11505	5446	1659	412	117	35	2	0	0	0	0	0		36132

(* < 0.05%)

STATION: 46013

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.7	263
1 - 3	*	1.8	3.0	1.0	0.2	0.1	*	-	-	-	-	-	-	-	-	6.1	2237
4 - 6	*	3.2	5.2	1.9	0.6	0.1	*	-	-	-	-	-	-	-	-	11.0	4023
7 - 10	*	3.9	7.7	3.5	0.8	0.2	0.1	*	-	-	-	-	-	-	-	16.1	5906
11 - 15	*	3.4	9.9	4.7	1.5	0.4	*	*	-	-	-	-	-	-	-	20.0	7332
16 - 20	-	0.8	10.4	6.6	1.8	0.4	0.1	*	-	-	-	-	-	-	-	20.2	7375
21 - 24	-	0.1	4.2	6.8	2.5	0.4	0.1	*	-	-	-	-	-	-	-	14.1	5144
25 - 33	-	*	0.9	5.1	3.7	0.9	0.1	*	-	-	-	-	-	-	-	10.7	3904
34 - 47	-	-	-	*	0.1	0.1	*	*	*	-	-	-	-	-	-	0.2	68
> 48	-	0.1	0.2	0.3	0.1	0.1	*	-	-	-	-	-	-	-	-	0.9	323
TOTAL %	0.1	13.7	41.9	29.9	11.2	2.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

TOTAL N 31 5008 15308 10944 4108 996 151 28 1 0 0 0 0 0 0 36575
 (* < 0.05%)

STATION: 46013

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	2.2	849	
1 - 3	*	1.4	0.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	12.0	4610
4 - 6	0.1	6.7	4.7	0.6	*	-	-	-	-	-	-	-	-	-	-	-	12.3	4736
7 - 10	*	6.2	5.8	0.4	*	-	-	-	-	-	-	-	-	-	-	-	12.5	4796
11 - 15	*	6.0	8.8	1.1	0.1	-	-	-	-	-	-	-	-	-	-	-	16.1	6182
16 - 20	-	2.9	12.7	3.1	0.2	-	-	-	-	-	-	-	-	-	-	-	19.0	7302
21 - 24	-	0.3	8.9	5.8	0.4	*	-	-	-	-	-	-	-	-	-	-	15.3	5905
25 - 33	-	-	2.1	6.0	1.3	0.1	-	-	-	-	-	-	-	-	-	-	9.5	3656
34 - 47	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	15
> 48	-	0.3	0.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.2	460
TOTAL %	0.2	30.6	49.4	17.8	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	61	11787	19013	6841	776	33	0	0	0	0	0	0	0	0	0		38511	

STATION: 46013

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	2.2	866	
1 - 3	*	0.8	1.0	0.2	*	*	-	-	-	-	-	-	-	-	-	-	14.3	5699
4 - 6	*	5.0	6.8	1.9	0.4	0.1	*	-	-	-	-	-	-	-	-	-	18.1	7252
7 - 10	*	6.6	8.3	2.4	0.6	0.2	0.1	*	*	-	-	-	-	-	-	-	20.6	8247
11 - 15	-	6.7	9.3	3.2	0.9	0.3	0.1	*	*	-	-	-	-	-	-	-	19.4	7759
16 - 20	-	4.8	9.2	4.1	0.9	0.3	0.1	*	-	-	-	-	-	-	-	-	14.5	5800
21 - 24	-	1.2	7.6	4.5	1.0	0.2	0.1	*	-	-	-	-	-	-	-	-	6.9	2756
25 - 33	-	0.1	2.4	3.2	1.0	0.2	*	*	-	-	-	-	-	-	-	-	3.2	1260
34 - 47	-	*	0.4	1.7	0.9	0.1	*	*	-	-	-	-	-	-	-	-	0.0	2
> 48	-	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.8	324
TOTAL %	0.1	25.6	45.6	21.1	5.7	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	28	10245	18208	8441	2272	551	177	39	4	0	0	0	0	0	0		39965	

STATION: 46013

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

Month: JAN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.0	0	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
2.5 - 3.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4	
3.5 - 4.4	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.2	21	
4.5 - 5.4	-	0.2	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.4	49	
5.5 - 6.4	-	0.1	0.5	0.3	-	-	-	-	-	-	-	-	-	-	-	0.9	108	
6.5 - 7.4	*	0.2	0.6	0.6	0.1	*	-	-	-	-	-	-	-	-	-	1.6	206	
7.5 - 8.4	*	0.9	1.7	1.3	0.4	0.1	*	-	-	-	-	-	-	-	-	4.4	558	
8.5 - 9.4	*	0.8	1.5	0.8	0.2	0.1	0.1	*	-	-	-	-	-	-	-	3.5	438	
9.5 - 10.4	*	1.0	2.6	1.1	0.3	0.1	0.1	*	-	-	-	-	-	-	-	5.2	655	
10.5 - 11.4	-	1.4	5.7	2.7	1.1	0.3	0.1	*	-	-	-	-	-	-	-	11.2	1414	
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
12.5 - 13.4	-	2.2	11.7	7.9	2.9	0.5	0.1	*	-	-	-	-	-	-	-	25.3	3198	
13.5 - 14.4	-	1.5	9.7	11.2	5.4	1.5	0.3	0.1	*	-	-	-	-	-	-	29.5	3733	
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
16.5 - 17.4	-	0.4	4.3	4.2	3.1	1.1	0.3	0.2	*	-	-	-	-	-	-	13.5	1708	
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
19.5 - 20.4	-	0.2	1.3	1.1	0.9	0.2	0.1	0.1	0.1	-	-	-	-	-	-	3.9	490	
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	52	
TOTAL %	0.1	8.9	39.9	31.3	14.5	3.8	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	8	1129	5041	3954	1826	485	130	48	13	0	0	0	0	0	0		12634	

(* < 0.05%)

STATION: 46013

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

Month: FEB

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	1
3.5 - 4.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
4.5 - 5.4	-	0.2	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.3	28
5.5 - 6.4	*	0.3	0.6	0.3	-	-	-	-	-	-	-	-	-	-	-	1.2	131
6.5 - 7.4	0.1	0.4	0.8	1.0	0.1	-	-	-	-	-	-	-	-	-	-	2.4	263
7.5 - 8.4	-	0.7	1.4	1.8	0.6	0.1	*	-	-	-	-	-	-	-	-	4.6	504
8.5 - 9.4	-	0.5	1.7	1.2	0.7	0.1	*	-	-	-	-	-	-	-	-	4.3	467
9.5 - 10.4	-	1.3	2.4	1.7	0.8	0.2	*	-	-	-	-	-	-	-	-	6.5	713
10.5 - 11.4	-	1.4	6.1	4.4	1.2	0.1	*	-	-	-	-	-	-	-	-	13.3	1453
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	2.1	9.3	9.9	3.3	0.6	0.1	*	-	-	-	-	-	-	-	25.4	2782
13.5 - 14.4	-	3.0	7.2	9.9	5.3	1.9	0.2	-	-	-	-	-	-	-	-	27.5	3018
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.0	2.7	3.6	2.0	1.2	0.5	0.1	-	-	-	-	-	-	-	11.2	1225
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	1.3	1.0	0.2	0.1	0.2	*	-	-	-	-	-	-	-	3.3	358
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	18
TOTAL %	0.1	11.3	33.7	34.9	14.4	4.4	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	1241	3693	3827	1580	485	111	16	0	0	0	0	0	0	0		10965

(* < 0.05%)

STATION: 46013

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	22
4.5 - 5.4	-	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.4	52
5.5 - 6.4	-	0.1	0.7	0.4	-	-	-	-	-	-	-	-	-	-	-	1.2	143
6.5 - 7.4	*	0.1	0.8	1.0	0.2	*	-	-	-	-	-	-	-	-	-	2.1	249
7.5 - 8.4	0.1	0.5	1.4	1.4	0.9	*	-	-	-	-	-	-	-	-	-	4.4	510
8.5 - 9.4	-	0.6	1.3	1.3	0.6	0.2	*	-	-	-	-	-	-	-	-	4.1	475
9.5 - 10.4	-	1.1	2.7	1.8	0.6	0.4	0.1	*	-	-	-	-	-	-	-	6.7	786
10.5 - 11.4	-	1.2	6.1	5.4	1.7	0.4	0.1	-	-	-	-	-	-	-	-	14.9	1737
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.6	8.7	9.5	3.5	0.9	0.2	-	-	-	-	-	-	-	-	25.4	2964
13.5 - 14.4	-	2.8	6.1	8.6	5.6	1.8	0.1	*	-	-	-	-	-	-	-	25.0	2923
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.8	3.6	3.7	2.6	0.7	0.3	0.1	-	-	-	-	-	-	-	12.0	1398
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	1.0	1.2	0.5	0.3	*	-	-	-	-	-	-	-	-	3.2	376
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	0.1	-	-	-	-	-	-	-	-	-	0.4	41
TOTAL %	0.1	10.4	32.7	34.5	16.4	4.9	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	1218	3825	4031	1915	570	94	19	0	0	0	0	0	0	0		11684

(* < 0.05%)

STATION: 46013

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

Month: APR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	5
3.5 - 4.4	-	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	35
4.5 - 5.4	-	0.3	0.9	*	-	-	-	-	-	-	-	-	-	-	-	1.2	150
5.5 - 6.4	*	0.3	2.0	0.8	-	-	-	-	-	-	-	-	-	-	-	3.2	392
6.5 - 7.4	*	0.4	1.5	1.8	0.1	-	-	-	-	-	-	-	-	-	-	3.8	471
7.5 - 8.4	0.1	0.8	3.1	3.5	1.4	*	-	-	-	-	-	-	-	-	-	9.0	1103
8.5 - 9.4	-	1.2	3.7	1.8	0.9	0.1	-	-	-	-	-	-	-	-	-	7.7	943
9.5 - 10.4	-	2.0	5.9	2.8	0.9	0.3	*	-	-	-	-	-	-	-	-	12.0	1475
10.5 - 11.4	*	2.6	8.3	3.5	1.0	0.5	0.1	-	-	-	-	-	-	-	-	16.0	1965
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.6	8.4	7.0	2.1	0.4	*	-	-	-	-	-	-	-	-	21.5	2645
13.5 - 14.4	-	2.0	5.3	5.2	3.3	0.8	0.1	*	-	-	-	-	-	-	-	16.8	2065
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.0	2.6	1.4	1.3	0.6	0.1	*	-	-	-	-	-	-	-	7.1	875
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	0.4	0.4	0.3	0.1	*	-	-	-	-	-	-	-	-	1.3	165
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	3
TOTAL %	0.2	14.8	42.3	28.4	11.3	2.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	19	1814	5199	3493	1384	335	44	4	0	0	0	0	0	0	0		12292

(* < 0.05%)

STATION: 46013

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

Month: MAY

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	7
3.5 - 4.4	-	0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.6	78
4.5 - 5.4	-	0.7	2.8	-	-	-	-	-	-	-	-	-	-	-	-	3.4	434
5.5 - 6.4	-	0.5	5.9	1.0	-	-	-	-	-	-	-	-	-	-	-	7.4	934
6.5 - 7.4	-	0.7	4.4	2.9	0.2	-	-	-	-	-	-	-	-	-	-	8.1	1022
7.5 - 8.4	-	1.7	7.1	7.0	1.3	*	-	-	-	-	-	-	-	-	-	17.2	2159
8.5 - 9.4	-	1.6	5.5	4.2	1.3	0.1	*	-	-	-	-	-	-	-	-	12.7	1599
9.5 - 10.4	-	2.0	6.9	3.3	1.1	0.1	*	*	-	-	-	-	-	-	-	13.5	1693
10.5 - 11.4	-	1.4	7.0	4.0	1.0	0.1	*	*	*	-	-	-	-	-	-	13.4	1692
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.4	4.4	2.9	0.9	0.2	*	-	-	-	-	-	-	-	-	9.7	1223
13.5 - 14.4	-	3.2	3.4	1.3	0.6	0.2	0.1	-	-	-	-	-	-	-	-	8.7	1098
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.8	2.2	0.4	0.1	*	-	-	-	-	-	-	-	-	-	4.6	577
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	0.2	0.1	*	-	-	-	-	-	-	-	-	-	-	0.5	69
TOTAL %	0.0	15.7	49.9	27.2	6.4	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1971	6277	3418	809	91	13	5	1	0	0	0	0	0	0		12585

(* < 0.05%)

STATION: 46013

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	2
3.5 - 4.4	*	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.5	61
4.5 - 5.4	-	1.3	3.3	-	-	-	-	-	-	-	-	-	-	-	-	4.6	587
5.5 - 6.4	-	0.5	6.6	1.1	-	-	-	-	-	-	-	-	-	-	-	8.2	1052

(* < 0.05%)

STATION: 46013

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

Month: NOV

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	1
3.5 - 4.4	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.2	22
4.5 - 5.4	-	0.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	0.7	92
5.5 - 6.4	-	0.1	1.4	0.3	*	-	-	-	-	-	-	-	-	-	-	1.8	235
6.5 - 7.4	-	0.2	0.9	0.9	0.1	-	-	-	-	-	-	-	-	-	-	2.1	270
7.5 - 8.4	0.1	0.9	1.6	1.6	0.4	*	*	-	-	-	-	-	-	-	-	4.7	618
8.5 - 9.4	-	1.2	1.9	1.2	0.4	0.1	*	-	-	-	-	-	-	-	-	4.8	623
9.5 - 10.4	-	1.8	3.5	2.0	0.6	*	*	*	-	-	-	-	-	-	-	7.9	1031
10.5 - 11.4	*	2.5	9.2	4.5	1.2	0.2	0.1	*	-	-	-	-	-	-	-	17.6	2285
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.8	10.1	10.0	2.5	0.5	0.1	-	-	-	-	-	-	-	-	25.9	3374
13.5 - 14.4	-	2.9	5.6	8.3	4.4	1.5	0.4	*	*	-	-	-	-	-	-	23.3	3028
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.0	2.0	2.3	1.9	1.1	0.6	0.1	*	-	-	-	-	-	-	9.0	1176
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	0.8	0.5	0.2	*	0.1	*	-	-	-	-	-	-	-	1.9	241
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	16
TOTAL %	0.1	13.8	37.8	31.8	11.6	3.5	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	18	1791	4915	4134	1504	458	161	28	3	0	0	0	0	0	0		13012

(* < 0.05%)

STATION: 46013

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3	34
4.5 - 5.4	-	*	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.3	33
5.5 - 6.4	-	*	0.3	0.2	*	-	-	-	-	-	-	-	-	-	-	0.5	67
6.5 - 7.4	-	0.2	0.5	0.5	0.1	-	-	-	-	-	-	-	-	-	-	1.2	150
7.5 - 8.4	-	0.6	1.4	0.8	0.5	0.1	*	-	-	-	-	-	-	-	-	3.3	410
8.5 - 9.4	-	0.7	1.9	0.7	0.4	0.1	*	*	-	-	-	-	-	-	-	3.9	491
9.5 - 10.4	-	1.2	2.8	1.2	0.7	0.2	0.1	*	*	-	-	-	-	-	-	6.1	760
10.5 - 11.4	-	2.1	5.0	2.9	1.0	0.4	0.1	*	*	*	-	-	-	-	-	11.4	1434
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.4	9.2	8.8	3.7	0.8	0.2	0.1	*	-	-	-	-	-	-	26.2	3284
13.5 - 14.4	-	2.2	8.5	9.2	6.4	2.0	0.4	0.1	0.1	-	-	-	-	-	-	29.1	3641
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.8	3.6	4.3	2.9	1.7	0.5	0.2	0.1	*	-	-	-	-	-	14.2	1776
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	1.3	1.0	0.6	0.1	*	*	-	-	-	-	-	-	-	3.3	419
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	28
TOTAL %	0.0	11.7	34.8	29.7	16.3	5.5	1.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1464	4364	3723	2039	689	171	53	22	2	0	0	0	0	0		12527

(* < 0.05%)

STATION: 46013

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

All Months: Annual

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	54
3.5 - 4.4	*	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.4	605
4.5 - 5.4	-	0.8	1.3	*	-	-	-	-	-	-	-	-	-	-	-	2.1	3214
5.5 - 6.4	*	0.5	3.3	0.5	*	-	-	-	-	-	-	-	-	-	-	4.4	6638
6.5 - 7.4	*	0.9	3.1	1.7	0.1	*	-	-	-	-	-	-	-	-	-	5.9	8903
7.5 - 8.4	*	2.7	5.4	3.5	0.6	*	*	-	-	-	-	-	-	-	-	12.2	18457
8.5 - 9.4	*	2.4	4.1	1.9	0.6	0.1	*	*	-	-	-	-	-	-	-	9.2	13854
9.5 - 10.4	*	2.4	4.9	2.0	0.6	0.1	*	*	*	-	-	-	-	-	-	10.0	15114
10.5 - 11.4	*	2.3	6.0	2.8	0.8	0.2	*	*	*	*	-	-	-	-	-	12.1	18312
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	2.6	6.9	5.3	1.7	0.3	0.1	*	*	-	-	-	-	-	-	16.8	25413
13.5 - 14.4	*	3.3	4.9	4.9	2.7	0.8	0.1	*	*	-	-	-	-	-	-	16.8	25320
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.9	2.5	1.8	1.2	0.5	0.2	0.1	*	*	-	-	-	-	-	8.2	12335
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	0.7	0.5	0.2	0.1	*	*	*	-	-	-	-	-	-	1.8	2727
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	206
TOTAL %	0.1	20.4	43.4	25.0	8.3	2.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	140	30859	65620	37727	12601	3239	740	184	40	2	0	0	0	0	0		151152

(* < 0.05%)

STATION: 46013

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	5
3.5 - 4.4	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.2	59
4.5 - 5.4	-	0.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.3	110
5.5 - 6.4	*	0.1	0.5	0.2	*	-	-	-	-	-	-	-	-	-	-	0.8	306
6.5 - 7.4	*	0.3	0.6	0.7	0.1	*	-	-	-	-	-	-	-	-	-	1.7	619
7.5 - 8.4	*	0.7	1.5	1.2	0.5	0.1	*	-	-	-	-	-	-	-	-	4.1	1472
8.5 - 9.4	*	0.7	1.7	0.9	0.4	0.1	0.1	*	-	-	-	-	-	-	-	3.9	1396
9.5 - 10.4	*	1.2	2.6	1.3	0.6	0.2	0.1	*	*	-	-	-	-	-	-	5.9	2128
10.5 - 11.4	-	1.6	5.6	3.3	1.1	0.2	0.1	*	*	*	-	-	-	-	-	11.9	4301
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	2.6	10.1	8.8	3.3	0.7	0.1	*	*	-	-	-	-	-	-	25.6	9264
13.5 - 14.4	-	2.2	8.5	10.1	5.7	1.8	0.3	0.1	*	-	-	-	-	-	-	28.8	10392
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.7	3.6	4.1	2.7	1.4	0.4	0.2	*	*	-	-	-	-	-	13.0	4709
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	1.3	1.1	0.6	0.2	0.1	0.1	*	-	-	-	-	-	-	3.5	1267
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	98
TOTAL %	0.1	10.6	36.3	31.8	15.1	4.6	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	20	3834	13098	11504	5445	1659	412	117	35	2	0	0	0	0	0		36126

(* < 0.05%)

STATION: 46013

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	20
3.5 - 4.4	-	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	135
4.5 - 5.4	-	0.4	1.3	*	-	-	-	-	-	-	-	-	-	-	-	-	1.7	636
5.5 - 6.4	*	0.3	3.0	0.8	-	-	-	-	-	-	-	-	-	-	-	-	4.0	1469
6.5 - 7.4	*	0.4	2.3	1.9	0.2	*	-	-	-	-	-	-	-	-	-	-	4.8	1742
7.5 - 8.4	0.1	1.0	3.9	4.1	1.2	*	-	-	-	-	-	-	-	-	-	-	10.3	3772
8.5 - 9.4	-	1.1	3.6	2.5	0.9	0.1	*	-	-	-	-	-	-	-	-	-	8.3	3017
9.5 - 10.4	-	1.7	5.2	2.7	0.9	0.3	*	*	-	-	-	-	-	-	-	-	10.8	3954
10.5 - 11.4	*	1.7	7.1	4.3	1.2	0.3	0.1	*	*	-	-	-	-	-	-	-	14.8	5394
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.5	7.1	6.4	2.1	0.5	0.1	-	-	-	-	-	-	-	-	-	18.7	6832
13.5 - 14.4	-	2.7	4.9	4.9	3.1	0.9	0.1	*	-	-	-	-	-	-	-	-	16.6	6086
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.2	2.8	1.8	1.3	0.4	0.1	*	-	-	-	-	-	-	-	-	7.8	2850
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	0.5	0.6	0.3	0.1	*	-	-	-	-	-	-	-	-	-	1.7	610
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	44
TOTAL %	0.1	13.7	41.9	29.9	11.2	2.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	31	5003	15301	10942	4108	996	151	28	1	0	0	0	0	0	0	0		36561

(* < 0.05%)

STATION: 46013

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	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	23
3.5 - 4.4	*	0.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.8	300
4.5 - 5.4	-	1.9	2.9	*	-	-	-	-	-	-	-	-	-	-	-	4.8	1833
5.5 - 6.4	*	1.1	7.3	0.8	-	-	-	-	-	-	-	-	-	-	-	9.3	3586
6.5 - 7.4	*	1.9	7.4	3.3	*	-	-	-	-	-	-	-	-	-	-	12.7	4871
7.5 - 8.4	0.1	5.8	11.3	6.7	0.5	*	-	-	-	-	-	-	-	-	-	24.4	9376
8.5 - 9.4	-	4.6	6.8	2.9	0.7	*	-	-	-	-	-	-	-	-	-	15.0	5785
9.5 - 10.4	-	3.2	5.8	1.9	0.4	*	-	-	-	-	-	-	-	-	-	11.4	4374
10.5 - 11.4	*	1.8	3.5	1.0	0.1	*	-	-	-	-	-	-	-	-	-	6.4	2480
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	1.7	1.4	0.7	0.2	*	-	-	-	-	-	-	-	-	-	3.9	1519
13.5 - 14.4	*	4.3	1.1	0.4	0.1	*	-	-	-	-	-	-	-	-	-	5.9	2276
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	3.2	1.6	0.1	*	-	-	-	-	-	-	-	-	-	-	4.8	1841
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.4	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.6	235
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 %	0.2	30.6	49.4	17.8	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	61	11781	19013	6840	776	33	0	0	0	0	0	0	0	0	0		38504

(* < 0.05%)

STATION: 46013

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	6
3.5 - 4.4	-	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	111
4.5 - 5.4	-	0.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-	1.6	635
5.5 - 6.4	*	0.5	2.4	0.2	*	-	-	-	-	-	-	-	-	-	-	3.2	1277
6.5 - 7.4	-	1.1	2.1	0.9	*	-	-	-	-	-	-	-	-	-	-	4.2	1671
7.5 - 8.4	*	2.8	4.6	1.9	0.2	*	*	-	-	-	-	-	-	-	-	9.6	3837
8.5 - 9.4	*	3.0	4.3	1.4	0.3	*	*	-	-	-	-	-	-	-	-	9.1	3656
9.5 - 10.4	*	3.3	5.9	2.0	0.4	*	*	*	-	-	-	-	-	-	-	11.7	4658

10.5 - 11.4	*	4.0	7.8	2.8	0.7	0.1	*	*	-	-	-	-	-	-	-	15.4	6137
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.5	9.1	5.5	1.2	0.2	*	-	-	-	-	-	-	-	-	19.5	7798
13.5 - 14.4	-	3.8	5.2	4.6	2.0	0.6	0.1	*	*	*	-	-	-	-	-	16.4	6566
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.3	2.2	1.4	0.7	0.4	0.2	0.1	*	-	-	-	-	-	-	7.3	2935
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	0.8	0.4	0.1	*	*	*	*	-	-	-	-	-	-	1.5	615
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	59
TOTAL %	0.1	25.6	45.6	21.1	5.7	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	28	10241	18208	8441	2272	551	177	39	4	0	0	0	0	0	0		39961

(* < 0.05%)

STATION: 46013

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

Month: JAN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.0	0
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	-	0.7	*	-	-	-	-	-	-	-	-	-	-	-	-	0.7	94
4.5 - 5.4	0.1	1.7	1.7	0.4	-	-	-	-	-	-	-	-	-	-	-	3.9	489
5.5 - 6.4	-	2.6	5.9	2.4	0.2	-	-	-	-	-	-	-	-	-	-	11.1	1397
6.5 - 7.4	-	2.0	9.1	6.2	1.5	0.1	-	-	-	-	-	-	-	-	-	18.8	2378
7.5 - 8.4	-	1.1	10.1	7.5	2.5	0.7	0.2	*	-	-	-	-	-	-	-	22.1	2794
8.5 - 9.4	-	0.5	7.2	6.2	3.7	1.1	0.3	0.1	*	-	-	-	-	-	-	19.1	2409
9.5 - 10.4	-	0.3	3.9	4.9	3.1	0.9	0.2	0.1	*	-	-	-	-	-	-	13.4	1698
10.5 - 11.4	-	*	1.7	2.4	2.0	0.5	0.2	0.1	*	-	-	-	-	-	-	7.1	899
11.5 - 12.4	-	-	0.3	0.9	0.9	0.2	0.1	0.1	*	-	-	-	-	-	-	2.5	319
12.5 - 13.4	-	-	0.1	0.2	0.4	0.2	*	*	*	-	-	-	-	-	-	0.9	119
13.5 - 14.4	-	-	-	0.1	0.1	*	-	-	-	-	-	-	-	-	-	0.2	29
14.5 - 15.4	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.0	6
15.5 - 16.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.1	8.9	39.9	31.3	14.5	3.8	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	8	1130	5042	3954	1826	485	130	48	13	0	0	0	0	0	0		12636

(* < 0.05%)

STATION: 46013

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

Month: FEB

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	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	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	49
4.5 - 5.4	0.1	1.3	1.5	0.1	*	-	-	-	-	-	-	-	-	-	-	3.0	325
5.5 - 6.4	*	2.5	5.7	4.5	0.3	-	-	-	-	-	-	-	-	-	-	13.1	1432
6.5 - 7.4	-	2.3	7.2	8.0	3.4	0.4	-	-	-	-	-	-	-	-	-	21.3	2334
7.5 - 8.4	-	2.4	7.2	6.9	2.9	0.6	0.1	-	-	-	-	-	-	-	-	20.0	2192
8.5 - 9.4	-	1.5	5.8	6.9	3.2	0.8	0.1	-	-	-	-	-	-	-	-	18.2	1999
9.5 - 10.4	-	0.7	3.4	5.1	2.5	1.3	0.4	*	-	-	-	-	-	-	-	13.4	1466
10.5 - 11.4	-	0.2	2.0	2.7	1.6	0.9	0.2	0.1	-	-	-	-	-	-	-	7.6	837
11.5 - 12.4	-	*	0.8	0.6	0.4	0.3	0.1	*	-	-	-	-	-	-	-	2.1	234
12.5 - 13.4	-	-	0.2	0.2	0.1	0.1	0.1	*	-	-	-	-	-	-	-	0.7	75
13.5 - 14.4	-	-	*	*	*	*	0.1	*	-	-	-	-	-	-	-	0.2	17
14.5 - 15.4	-	-	-	-	-	-	*	*	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.1	11.3	33.7	34.9	14.4	4.4	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	1241	3693	3826	1580	485	111	16	0	0	0	0	0	0	0		10964

(* < 0.05%)

STATION: 46013

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	9
3.5 - 4.4	*	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	42
4.5 - 5.4	*	1.4	1.6	0.3	-	-	-	-	-	-	-	-	-	-	-	3.3	387
5.5 - 6.4	*	1.7	7.0	6.7	0.7	-	-	-	-	-	-	-	-	-	-	16.2	1895
6.5 - 7.4	-	2.5	9.0	9.8	4.1	0.3	-	-	-	-	-	-	-	-	-	25.7	3008
7.5 - 8.4	-	2.2	7.5	6.5	4.6	1.6	0.2	*	-	-	-	-	-	-	-	22.7	2657
8.5 - 9.4	-	1.2	4.4	5.4	3.3	1.3	0.1	*	-	-	-	-	-	-	-	15.8	1851
9.5 - 10.4	-	0.6	2.3	3.3	2.1	0.9	0.2	-	-	-	-	-	-	-	-	9.5	1114
10.5 - 11.4	-	0.3	0.8	1.6	0.9	0.4	0.1	0.1	-	-	-	-	-	-	-	4.2	492
11.5 - 12.4	-	*	0.1	0.7	0.4	0.1	0.1	*	-	-	-	-	-	-	-	1.4	167
12.5 - 13.4	-	-	0.1	0.1	0.2	0.1	*	*	-	-	-	-	-	-	-	0.4	52
13.5 - 14.4	-	-	-	-	*	0.1	-	-	-	-	-	-	-	-	-	0.1	11
14.5 - 15.4	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	3
15.5 - 16.4	-	-	-	-	-	*	*	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.1	10.4	32.8	34.5	16.4	4.9	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	1220	3829	4032	1915	570	94	19	0	0	0	0	0	0	0		11691

(* < 0.05%)

STATION: 46013

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

Month: APR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	0.6	-	-	-	-	-	-	-	-	-	-	-	-	1.5	189
4.5 - 5.4	0.1	2.0	7.1	1.6	-	-	-	-	-	-	-	-	-	-	-	10.9	1340
5.5 - 6.4	*	3.0	12.5	10.1	1.6	-	-	-	-	-	-	-	-	-	-	27.2	3348
6.5 - 7.4	-	3.2	9.3	6.8	4.2	0.7	*	-	-	-	-	-	-	-	-	24.2	2974
7.5 - 8.4	-	2.8	6.3	4.3	2.1	0.6	0.1	-	-	-	-	-	-	-	-	16.3	2000
8.5 - 9.4	-	1.7	4.1	3.4	1.4	0.3	*	-	-	-	-	-	-	-	-	11.0	1350
9.5 - 10.4	-	0.8	1.7	1.5	1.0	0.5	*	-	-	-	-	-	-	-	-	5.5	677
10.5 - 11.4	-	0.2	0.6	0.4	0.5	0.4	0.2	*	-	-	-	-	-	-	-	2.3	285
11.5 - 12.4	-	0.1	0.1	0.2	0.2	0.1	*	-	-	-	-	-	-	-	-	0.7	86
12.5 - 13.4	-	-	*	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	0.2	27
13.5 - 14.4	-	-	-	*	0.1	*	*	-	-	-	-	-	-	-	-	0.1	18
TOTAL %	0.2	14.8	42.3	28.4	11.3	2.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	19	1814	5200	3494	1384	335	44	4	0	0	0	0	0	0	0		12294

(* < 0.05%)

STATION: 46013

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

Month: MAY

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	-	1.7	2.0	-	-	-	-	-	-	-	-	-	-	-	-	3.7	469
4.5 - 5.4	-	4.0	15.9	2.7	-	-	-	-	-	-	-	-	-	-	-	22.7	2859
5.5 - 6.4	-	3.9	12.4	14.9	1.6	-	-	-	-	-	-	-	-	-	-	32.8	4134
6.5 - 7.4	-	3.2	9.9	4.8	3.6	0.3	-	-	-	-	-	-	-	-	-	21.8	2741
7.5 - 8.4	-	1.7	6.9	3.1	0.8	0.2	*	-	-	-	-	-	-	-	-	12.7	1601
8.5 - 9.4	-	0.8	2.3	1.4	0.3	0.2	0.1	*	*	-	-	-	-	-	-	5.0	628
9.5 - 10.4	-	0.2	0.5	0.2	0.1	*	-	-	-	-	-	-	-	-	-	1.1	142
10.5 - 11.4	-	*	-	*	*	*	-	-	-	-	-	-	-	-	-	0.1	10
11.5 - 12.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	4
12.5 - 13.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	15.7	49.9	27.2	6.4	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1974	6278	3418	809	91	13	5	1	0	0	0	0	0	0		12589

(* < 0.05%)

STATION: 46013

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	2
3.5 - 4.4	0.1	1.6	1.9	-	-	-	-	-	-	-	-	-	-	-	-	3.6	462
4.5 - 5.4	0.2	3.9	17.7	3.5	-	-	-	-	-	-	-	-	-	-	-	25.3	3244
5.5 - 6.4	*	5.2	14.4	15.4	1.4	*	-	-	-	-	-	-	-	-	-	36.6	4693
6.5 - 7.4	*	6.0	7.7	4.3	2.2	0.1	-	-	-	-	-	-	-	-	-	20.2	2594
7.5 - 8.4	-	3.1	4.1	1.5	0.3	*	-	-	-	-	-	-	-	-	-	9.1	1170
8.5 - 9.4	-	1.3	1.8	0.5	0.2	-	-	-	-	-	-	-	-	-	-	3.8	492
9.5 - 10.4	-	0.5	0.3	0.1	0.1	-	-	-	-	-	-	-	-	-	-	1.0	123
10.5 - 11.4	-	*	*	0.2	0.1	-	-	-	-	-	-	-	-	-	-	0.3	41
11.5 - 12.4	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	3
12.5 - 13.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
13.5 - 14.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.3	21.7	48.0	25.6	4.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	36	2785	6160	3284	551	14	0	0	0	0	0	0	0	0	0		12830

(* < 0.05%)

STATION: 46013

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	3
3.5 - 4.4	0.1	2.6	1.1	-	-	-	-	-	-	-	-	-	-	-	-	3.8	523
4.5 - 5.4	*	7.6	17.9	2.7	-	-	-	-	-	-	-	-	-	-	-	28.2	3914
5.5 - 6.4	-	7.9	14.2	11.2	0.5	*	-	-	-	-	-	-	-	-	-	33.8	4692
6.5 - 7.4	-	9.7	10.1	1.4	0.7	0.1	-	-	-	-	-	-	-	-	-	22.0	3060
7.5 - 8.4	-	4.9	4.0	1.0	-	*	-	-	-	-	-	-	-	-	-	9.8	1364
8.5 - 9.4	-	1.3	0.7	0.1	-	-	-	-	-	-	-	-	-	-	-	2.1	289
9.5 - 10.4	-	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.2	30
10.5 - 11.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
11.5 - 12.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.1	34.1	48.1	16.3	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	13	4734	6682	2265	169	19	0	0	0	0	0	0	0	0	0		13882

(* < 0.05%)

STATION: 46013

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	14
3.5 - 4.4	0.1	4.1	1.3	-	-	-	-	-	-	-	-	-	-	-	-	5.5	643
4.5 - 5.4	*	8.7	20.3	2.0	-	-	-	-	-	-	-	-	-	-	-	31.0	3662
5.5 - 6.4	-	8.2	15.5	7.1	0.1	-	-	-	-	-	-	-	-	-	-	30.9	3643
6.5 - 7.4	-	8.9	9.9	1.1	0.3	-	-	-	-	-	-	-	-	-	-	20.2	2388
7.5 - 8.4	-	4.7	3.9	0.5	*	-	-	-	-	-	-	-	-	-	-	9.1	1077
8.5 - 9.4	-	1.3	1.1	0.1	-	-	-	-	-	-	-	-	-	-	-	2.5	293
9.5 - 10.4	-	0.2	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	0.5	62
10.5 - 11.4	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	11
11.5 - 12.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.1	36.2	52.3	10.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	12	4268	6169	1290	56	0	0	0	0	0	0	0	0	0	0		11795

(* < 0.05%)

STATION: 46013

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		

< 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	-	1.7	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	292
4.5 - 5.4	*	6.1	9.0	0.6	-	-	-	-	-	-	-	-	-	-	-	-	15.7	2011
5.5 - 6.4	*	7.7	12.9	5.0	0.1	-	-	-	-	-	-	-	-	-	-	-	25.7	3289
6.5 - 7.4	*	8.9	12.4	3.8	0.6	-	-	-	-	-	-	-	-	-	-	-	25.7	3288
7.5 - 8.4	-	7.4	8.6	2.3	0.4	*	-	-	-	-	-	-	-	-	-	-	18.6	2383
8.5 - 9.4	-	2.9	2.9	0.9	0.2	-	-	-	-	-	-	-	-	-	-	-	6.8	874
9.5 - 10.4	-	1.0	1.3	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	2.8	354
10.5 - 11.4	-	0.2	0.5	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.9	121
11.5 - 12.4	-	*	0.4	0.2	*	*	-	-	-	-	-	-	-	-	-	-	0.6	83
12.5 - 13.4	-	-	0.2	0.3	*	*	-	-	-	-	-	-	-	-	-	-	0.5	63
13.5 - 14.4	-	-	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.2	24
14.5 - 15.4	-	-	*	*	*	-	-	-	-	-	-	-	-	-	-	-	0.1	8
15.5 - 16.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
16.5 - 17.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.1	35.9	48.6	13.8	1.6	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	9	4592	6219	1759	201	12	0	0	0	0	0	0	0	0	0	0		12792

(* < 0.05%)

STATION: 46013

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

Month: OCT

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	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	-	0.8	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.0	142
4.5 - 5.4	*	3.6	6.1	0.4	-	-	-	-	-	-	-	-	-	-	-	10.1	1426
5.5 - 6.4	-	6.0	8.8	3.7	0.1	-	-	-	-	-	-	-	-	-	-	18.6	2638
6.5 - 7.4	-	6.8	11.6	4.2	1.5	*	-	-	-	-	-	-	-	-	-	24.1	3409
7.5 - 8.4	-	5.3	11.1	3.5	1.2	0.1	-	-	-	-	-	-	-	-	-	21.3	3012
8.5 - 9.4	-	3.3	6.5	3.1	0.7	0.1	-	-	-	-	-	-	-	-	-	13.7	1944
9.5 - 10.4	-	1.3	3.6	1.9	0.4	0.1	-	-	-	-	-	-	-	-	-	7.3	1033
10.5 - 11.4	-	0.2	1.7	0.8	0.1	0.1	0.1	-	-	-	-	-	-	-	-	3.0	420
11.5 - 12.4	-	-	0.3	0.3	-	*	*	*	-	-	-	-	-	-	-	0.7	102
12.5 - 13.4	-	-	0.1	*	*	*	*	*	-	-	-	-	-	-	-	0.2	30
13.5 - 14.4	-	-	*	-	-	-	-	*	-	-	-	-	-	-	-	0.0	2
14.5 - 15.4	-	-	-	-	-	-	-	*	*	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	27.3	50.0	18.0	4.0	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	3861	7074	2548	567	81	16	11	1	0	0	0	0	0	0		14160

(* < 0.05%)

STATION: 46013

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

Month: NOV

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.0	0
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	*	0.4	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.6	72
4.5 - 5.4	0.1	1.7	3.5	0.2	-	-	-	-	-	-	-	-	-	-	-	5.4	709
5.5 - 6.4	*	2.5	6.9	4.8	0.3	*	-	-	-	-	-	-	-	-	-	14.5	1887
6.5 - 7.4	-	3.7	8.3	7.7	2.2	0.2	*	-	-	-	-	-	-	-	-	22.1	2876
7.5 - 8.4	-	2.8	8.2	6.8	2.5	0.5	*	*	-	-	-	-	-	-	-	20.8	2701
8.5 - 9.4	-	1.8	6.4	6.8	2.3	0.7	0.1	*	-	-	-	-	-	-	-	18.0	2346
9.5 - 10.4	-	0.7	2.8	3.4	2.2	1.0	0.3	0.1	-	-	-	-	-	-	-	10.3	1343
10.5 - 11.4	-	0.2	1.1	1.4	1.2	0.8	0.4	0.1	*	-	-	-	-	-	-	5.2	681
11.5 - 12.4	-	*	0.4	0.5	0.7	0.3	0.2	0.1	-	-	-	-	-	-	-	2.2	282
12.5 - 13.4	-	-	0.1	0.1	0.2	0.1	0.1	*	-	-	-	-	-	-	-	0.7	88
13.5 - 14.4	-	-	0.1	*	*	*	*	*	-	-	-	-	-	-	-	0.2	23
14.5 - 15.4	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.1	13.8	37.8	31.8	11.6	3.5	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	18	1792	4915	4134	1504	458	161	28	3	0	0	0	0	0	0		13013

(* < 0.05%)

STATION: 46013

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	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
< 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	-	0.3	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.5	63
4.5 - 5.4	-	1.3	1.3	0.2	-	-	-	-	-	-	-	-	-	-	-	2.7	341
5.5 - 6.4	-	2.5	4.9	2.1	0.2	*	-	-	-	-	-	-	-	-	-	9.7	1219
6.5 - 7.4	-	2.7	8.1	5.3	1.9	0.2	*	-	-	-	-	-	-	-	-	18.2	2277
7.5 - 8.4	-	2.5	7.9	7.0	3.7	1.2	0.2	*	-	-	-	-	-	-	-	22.5	2819
8.5 - 9.4	-	1.4	6.3	6.4	4.0	1.2	0.3	0.1	0.1	-	-	-	-	-	-	19.7	2470
9.5 - 10.4	-	0.6	3.2	5.1	3.0	1.2	0.3	0.2	*	*	-	-	-	-	-	13.7	1711
10.5 - 11.4	-	0.3	1.9	2.3	2.2	1.2	0.3	0.1	*	-	-	-	-	-	-	8.2	1028
11.5 - 12.4	-	0.1	0.8	1.0	0.7	0.5	0.2	0.1	*	*	-	-	-	-	-	3.4	431
12.5 - 13.4	-	*	0.2	0.3	0.3	0.1	*	*	*	-	-	-	-	-	-	1.0	122
13.5 - 14.4	-	*	*	*	0.1	*	*	-	-	-	-	-	-	-	-	0.2	29
14.5 - 15.4	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.0	6
TOTAL %	0.0	11.7	34.9	29.8	16.2	5.5	1.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1464	4366	3724	2026	688	171	53	22	2	0	0	0	0	0		12516

(* < 0.05%)

STATION: 46013

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

All Months: Annual

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	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
< 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	33
3.5 - 4.4	*	1.3	0.7	-	-	-	-	-	-	-	-	-	-	-	-	2.0	3040
4.5 - 5.4	*	3.7	8.7	1.2	*	-	-	-	-	-	-	-	-	-	-	13.7	20707
5.5 - 6.4	*	4.6	10.1	7.3	0.6	*	-	-	-	-	-	-	-	-	-	22.7	34267
6.5 - 7.4	*	5.1	9.4	5.2	2.1	0.2	*	-	-	-	-	-	-	-	-	22.0	33327
7.5 - 8.4	-	3.5	7.2	4.2	1.7	0.4	0.1	*	-	-	-	-	-	-	-	17.0	25770
8.5 - 9.4	-	1.6	4.1	3.4	1.6	0.5	0.1	*	*	-	-	-	-	-	-	11.2	16945
9.5 - 10.4	-	0.6	1.9	2.1	1.2	0.5	0.1	*	*	*	-	-	-	-	-	6.5	9753
10.5 - 11.4	-	0.1	0.8	1.0	0.7	0.4	0.1	*	*	-	-	-	-	-	-	3.2	4829
11.5 - 12.4	-	*	0.3	0.4	0.3	0.1	0.1	*	*	*	-	-	-	-	-	1.1	1716
12.5 - 13.4	-	*	0.1	0.1	0.1	*	*	*	*	-	-	-	-	-	-	0.4	579
13.5 - 14.4	-	*	*	*	*	*	*	*	-	-	-	-	-	-	-	0.1	157
14.5 - 15.4	-	-	*	*	*	*	*	*	*	-	-	-	-	-	-	0.0	32
15.5 - 16.4	-	-	*	-	*	*	*	-	-	-	-	-	-	-	-	0.0	6
16.5 - 17.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.1	20.4	43.4	25.0	8.3	2.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	140	30875	65627	37728	12588	3238	740	184	40	2	0	0	0	0	0		151162

(* < 0.05%)

STATION: 46013

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	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
< 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	3
3.5 - 4.4	-	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.6	206
4.5 - 5.4	*	1.5	1.5	0.2	*	-	-	-	-	-	-	-	-	-	-	3.2	1155
5.5 - 6.4	*	2.5	5.5	2.9	0.2	*	-	-	-	-	-	-	-	-	-	11.2	4048
6.5 - 7.4	-	2.3	8.2	6.4	2.2	0.2	*	-	-	-	-	-	-	-	-	19.4	6989
7.5 - 8.4	-	2.0	8.5	7.1	3.1	0.8	0.2	*	-	-	-	-	-	-	-	21.6	7805
8.5 - 9.4	-	1.1	6.5	6.5	3.7	1.0	0.2	*	*	-	-	-	-	-	-	19.0	6878
9.5 - 10.4	-	0.5	3.5	5.0	2.9	1.2	0.3	0.1	*	*	-	-	-	-	-	13.5	4875
10.5 - 11.4	-	0.2	1.8	2.5	1.9	0.9	0.2	0.1	*	-	-	-	-	-	-	7.7	2764
11.5 - 12.4	-	*	0.6	0.8	0.7	0.3	0.1	*	*	*	-	-	-	-	-	2.7	984
12.5 - 13.4	-	*	0.2	0.3	0.3	0.1	*	*	*	-	-	-	-	-	-	0.9	316
13.5 - 14.4	-	*	*	*	0.1	*	*	*	-	-	-	-	-	-	-	0.2	75
14.5 - 15.4	-	-	-	*	*	*	*	*	-	-	-	-	-	-	-	0.0	16
15.5 - 16.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.1	10.6	36.3	31.9	15.0	4.6	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

TOTAL N 20 3835 13101 11504 5432 1658 412 117 35 2 0 0 0 0 0 36116
 (* < 0.05%)

STATION: 46013

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	9
3.5 - 4.4	*	1.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	1.9	700
4.5 - 5.4	0.1	2.5	8.4	1.6	-	-	-	-	-	-	-	-	-	-	-	12.5	4586
5.5 - 6.4	*	2.9	10.7	10.6	1.3	-	-	-	-	-	-	-	-	-	-	25.6	9377
6.5 - 7.4	-	3.0	9.4	7.1	4.0	0.4	*	-	-	-	-	-	-	-	-	23.9	8723
7.5 - 8.4	-	2.3	6.9	4.6	2.5	0.8	0.1	*	-	-	-	-	-	-	-	17.1	6258
8.5 - 9.4	-	1.2	3.6	3.3	1.6	0.6	0.1	*	*	-	-	-	-	-	-	10.5	3829
9.5 - 10.4	-	0.5	1.5	1.6	1.1	0.5	0.1	-	-	-	-	-	-	-	-	5.3	1933
10.5 - 11.4	-	0.2	0.4	0.7	0.5	0.3	0.1	*	-	-	-	-	-	-	-	2.2	787
11.5 - 12.4	-	*	0.1	0.3	0.2	0.1	*	*	-	-	-	-	-	-	-	0.7	257
12.5 - 13.4	-	-	*	*	0.1	*	*	*	-	-	-	-	-	-	-	0.2	80
13.5 - 14.4	-	-	-	*	*	*	*	-	-	-	-	-	-	-	-	0.1	29
14.5 - 15.4	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	3
15.5 - 16.4	-	-	-	-	-	*	*	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.1	13.7	41.9	29.9	11.2	2.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	31	5008	15307	10944	4108	996	151	28	1	0	0	0	0	0	0		36574

(* < 0.05%)

STATION: 46013

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	19
3.5 - 4.4	0.1	2.7	1.4	-	-	-	-	-	-	-	-	-	-	-	-	4.2	1628
4.5 - 5.4	0.1	6.7	18.6	2.8	-	-	-	-	-	-	-	-	-	-	-	28.1	10820
5.5 - 6.4	*	7.1	14.7	11.3	0.7	*	-	-	-	-	-	-	-	-	-	33.8	13028
6.5 - 7.4	*	8.2	9.2	2.3	1.1	0.1	-	-	-	-	-	-	-	-	-	20.9	8042
7.5 - 8.4	-	4.2	4.0	1.0	0.1	*	-	-	-	-	-	-	-	-	-	9.4	3611
8.5 - 9.4	-	1.3	1.2	0.2	0.1	-	-	-	-	-	-	-	-	-	-	2.8	1074
9.5 - 10.4	-	0.3	0.2	0.1	*	-	-	-	-	-	-	-	-	-	-	0.6	215
10.5 - 11.4	-	*	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	56
11.5 - 12.4	-	-	*	*	*	-	-	-	-	-	-	-	-	-	-	0.0	8
12.5 - 13.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
13.5 - 14.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.2	30.6	49.4	17.8	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	61	11787	19011	6839	776	33	0	0	0	0	0	0	0	0	0		38507

(* < 0.05%)

STATION: 46013

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	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		
< 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	2
3.5 - 4.4	*	0.9	0.3	-	-	-	-	-	-	-	-	-	-	-	-	1.3	506
4.5 - 5.4	*	3.8	6.1	0.4	-	-	-	-	-	-	-	-	-	-	-	10.4	4146
5.5 - 6.4	*	5.4	9.5	4.5	0.2	*	-	-	-	-	-	-	-	-	-	19.6	7814
6.5 - 7.4	*	6.5	10.7	5.2	1.4	0.1	*	-	-	-	-	-	-	-	-	24.0	9573
7.5 - 8.4	-	5.1	9.3	4.2	1.4	0.2	*	*	-	-	-	-	-	-	-	20.3	8096
8.5 - 9.4	-	2.7	5.3	3.6	1.0	0.3	*	*	-	-	-	-	-	-	-	12.9	5164
9.5 - 10.4	-	1.0	2.6	1.9	0.9	0.4	0.1	*	-	-	-	-	-	-	-	6.8	2730
10.5 - 11.4	-	0.2	1.1	0.8	0.4	0.3	0.2	*	*	-	-	-	-	-	-	3.1	1222
11.5 - 12.4	-	*	0.4	0.3	0.2	0.1	0.1	*	-	-	-	-	-	-	-	1.2	467
12.5 - 13.4	-	-	0.1	0.2	0.1	*	*	*	-	-	-	-	-	-	-	0.5	181
13.5 - 14.4	-	-	*	*	*	*	*	*	-	-	-	-	-	-	-	0.1	49
14.5 - 15.4	-	-	*	*	*	-	-	*	*	-	-	-	-	-	-	0.0	13
15.5 - 16.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
16.5 - 17.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1

TOTAL %	0.1	25.6	45.6	21.1	5.7	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
TOTAL N	28	10245	18208	8441	2272	551	177	39	4	0	0	0	0	0	0	39965

(* < 0.05%)

Summary complete: 09-Sep-2003 07:05:47