

STATION: 46011

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (10/1980 - 12/2001) (140919 RECORDS, 99.3% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	#
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	-	-	-	-	1	999	-	-	4	999	
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	1	#	2	999	-	-	5	999	
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	2	999	
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	-	-	3	999	-	-	-	-	8	999	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	999	-	-	3	999	2	999	-	-	14	999	
22	-	-	-	-	-	-	3	#	-	-	-	-	-	-	22	999	5	#	19	999	6	999	-	-	55	999	
21	-	-	2	#	-	-	1	999	-	-	2	#	-	-	28	997	43	999	33	998	9	999	-	-	118	999	
20	2	#	1	999	-	-	11	999	-	-	1	999	-	-	47	995	108	997	82	995	21	998	1	#	274	999	
19	7	999	3	999	-	-	10	999	-	-	3	999	4	#	96	992	282	989	247	989	40	996	5	999	697	997	
18	17	999	19	999	2	#	21	998	4	#	39	999	73	999	550	986	949	969	638	969	163	992	24	999	2499	992	
17	58	997	31	997	6	999	44	996	24	999	98	997	393	994	1374	949	1590	901	1081	919	536	977	83	997	5318	974	
16	184	990	114	993	66	999	83	992	154	998	291	989	1278	966	2177	856	2505	787	2323	834	1052	927	344	988	10571	936	
15	841	968	630	979	476	993	424	985	558	986	1220	967	3102	872	3745	709	3639	608	3385	651	1953	828	913	950	20886	861	
14	1526	867	1282	903	1895	949	1500	950	1345	945	3068	874	4669	646	4018	457	3235	347	3041	384	2788	645	1822	851	30189	713	
13	2206	685	2036	747	2527	774	2790	824	3436	844	4103	642	3083	305	2248	186	1359	116	1400	145	2400	384	2313	652	29901	499	
12	1899	421	2013	500	2684	541	3184	590	4574	587	3124	330	976	80	491	35	240	18	303	35	1102	159	1886	399	22476	287	
11	1055	194	1286	255	2297	292	2796	323	2706	245	1094	93	115	9	21	1	17	1	73	11	436	56	930	193	12826	127	
10	421	68	569	99	715	80	864	88	535	42	133	10	9	1	-	-	-	-	25	5	119	15	434	92	3824	36	
9	118	17	160	30	115	14	157	15	29	2	-	-	-	-	-	-	-	-	30	3	41	4	188	45	838	9	
8	26	3	46	11	36	4	24	2	-	-	-	-	-	-	-	-	-	-	9	1	3	*	102	24	246	3	
7	2	*	23	5	2	*	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	13	89	1	
6	-	-	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	6	37	1	
5	-	-	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	3	27	*	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	4	*	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	9	*	
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	1	*	
MEAN	12.7		12.4		12.3		12.2		12.3		13.0		14.1		14.8		15.2		15.0		14.0		12.7		13.5		
S.D.	1.5		1.6		1.4		1.4		1.2		1.3		1.2		1.5		1.6		1.7		1.7		1.8		1.9		
TOTAL	8362		8235		10821		11913		13365		13176		13702		14838		13972		12696		10675		9164		140919		
MAX	20.0		20.8		18.3		22.3		18.0		21.3		18.8		27.0		21.9		26.0		28.2		20.4		28.2		
DATE	1983011301		1995020221		1988032618		1989040619		1996052819		1981061516		1992071223		1994080600		1982092403		1987100514		1999110100		1980123122		1999110100		
MIN	7.0		4.7		7.2		6.8		8.9		9.5		10.0		10.9		10.8		7.6		7.5		2.4		2.4		
DATE	1989010714		1989020613		1991031515		1999041119		1991052414		1991060512		1988070211		1981080615		1994090417		1986100815		1985111216		1990122212		1990122212		

STATION: 46011

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (10/1980 - 12/2001) (141113 RECORDS, 99.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	-	-	-	-	-	-	-	-	-	4	#
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	-	-	-	-	-	-	-	-	-	5	999
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	999	-	-	-	-	-	-	-	-	-	11	999
26	-	-	-	-	-	-	-	-	1	#	-	-	-	-	15	999	-	-	-	-	-	-	-	-	-	16	999
25	-	-	-	-	-	-	-	-	1	999	-	-	-	-	15	998	-	-	-	-	-	-	-	-	-	16	999
24	-	-	-	-	-	-	-	-	1	999	-	-	-	-	28	997	-	-	-	-	-	-	-	-	-	29	999
23	-	-	-	-	-	-	-	-	1	999	-	-	-	-	16	995	-	-	-	-	-	-	-	-	-	17	999
22	-	-	-	-	-	-	-	-	1	999	-	-	-	-	5	994	-	-	-	-	-	-	-	-	-	6	999
21	-	-	-	-	-	-	-	-	2	999	-	-	-	-	16	993	11	#	4	#	-	-	-	-	-	33	999
20	-	-	-	-	-	-	-	-	2	999	-	-	-	-	24	992	209	999	148	999	78	#	-	-	461	999	
19	-	-	-	-	-	-	-	-	2	999	2	#	52	#	130	991	757	984	341	988	96	993	-	-	1380	996	
18	-	-	-	-	-	-	-	-	2	999	29	999	321	996	1160	982	1436	930	994	962	556	984	-	-	4498	986	
17	7	#	1	#	-	-	-	-	5	999	191	998	920	973	1943	904	1879	828	2125	884	780	932	363	#	8214	954	
16	850	999	201	999	205	#	65	#	345	999	876	983	1975	906	2600	773	3300	694	2790	718	896	859	471	960	14574	896	
15	1050	898	984	975	990	981	297	995	737	973	1665	917	3615	762	3330	597	3424	459	3628	501	3111	775	1338	909	24169	793	
14	2186	772	1856	856	2797	890	2195	970	1380	918	2279	790	3577	498	3804	373	2214	216	2171	218	3361	483	2452	763	30272	621	
13	3265	511	2500	631	2669	631	3698	785	3327	814	3120	617	2473	237	1548	116	816	58	592	49	1475	168	3541	495	29024	407	
12	638	120	1916	327	2014	384	2794	475	3684	565	3520	380	771	56	176	12	-	-	31	2	295	30	949	109	16788	201	
11	368	44	765	95	2040	198	2614	240	2831	290	1456	113	-	-	-	-	-	-	-	-	29	3	50	5	10153	82	
10	-	-	14	2	104	10	249	21	1037	78	35	3	-	-	-	-	-	-	-	-	-	-	-	-	1439	10	
9	-	-	-	-	-	-	-	-	4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*
MEAN	13.6		13.1		12.9		12.5		12.3		13.2		14.5		15.3		15.8		15.6		14.7		13.7		14.0		
S.D.	1.2		1.2		1.3		1.1		1.4		1.5		1.4		1.7		1.6		1.5		1.5		1.2		1.9		
TOTAL	8364		8237		10819		11912		13363		13173		13704		14830		14046		12824		10677		9164		141113		

MAX	17.0	16.6	16.3	16.0	26.1	18.6	19.1	29.2	20.7	20.8	20.3	17.3	29.2
DATE	1983011422	1983020423	1992033020	1982041221	1996052819	1992063019	1984071922	1994080601	1984091421	1983100522	1997110503	1997120811	1994080601
MIN	10.5	10.2	10.0	9.8	9.2	10.0	11.5	11.9	12.5	12.1	11.2	11.0	9.2
DATE	1989012012	1997022818	1997030417	1997043017	1991051012	1991060112	1988070111	1999080510	2001093016	1996102815	1988112909	2001121616	1991051012

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

STATION: 46011

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (10/1980 - 12/2001) (140881 RECORDS, 99.3% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	#	
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	2	999	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
10	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
9	-	-	-	-	-	-	3	#	-	-	2	999	-	-	-	-	-	-	1	#	1	999	-	-	7	999	
8	-	-	-	-	-	-	1	999	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	3	999	
7	-	-	1	#	-	-	15	999	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	18	999	
6	1	#	2	999	1	#	15	998	-	-	2	999	-	-	-	-	-	-	5	999	-	-	1	#	27	999	
5	1	999	8	999	3	999	15	997	1	#	4	999	-	-	1	#	1	#	17	999	8	999	1	999	60	999	
4	9	999	26	999	8	999	21	996	1	999	7	999	3	#	5	999	7	999	33	998	12	999	11	999	143	999	
3	44	999	77	996	31	999	90	994	34	999	46	999	20	999	17	999	52	999	79	995	49	998	48	999	587	998	
2	169	993	258	986	200	996	309	987	485	997	740	995	368	998	226	998	487	996	385	989	241	993	212	993	4080	994	
1	803	973	871	955	1190	978	1851	961	3209	961	2934	939	2107	971	2148	983	2022	961	1735	959	1256	970	978	970	21104	965	
0	2041	877	2210	849	3666	868	4650	805	5749	721	4842	716	4633	818	5267	838	3959	816	3652	822	3102	853	2423	863	46194	815	
-1	2933	633	2781	581	3878	529	3581	415	3158	291	3271	349	4404	480	4987	483	4756	533	3723	534	3096	562	2644	599	43212	487	
-2	1542	282	1436	243	1458	170	1113	114	652	54	1129	100	1816	158	1938	147	2082	192	2326	241	1868	272	1424	311	18784	181	
-3	648	98	415	69	284	35	193	21	67	6	177	15	306	26	191	16	451	43	568	58	768	97	751	155	4819	47	
-4	137	20	117	18	71	9	36	4	3	1	15	1	41	3	25	3	142	11	93	13	191	25	353	73	1224	13	
-5	30	4	16	4	19	3	16	1	1	*	-	-	3	*	16	1	8	1	37	6	51	7	182	35	379	4	
-6	4	*	14	2	9	1	-	-	1	*	-	-	-	-	4	*	-	-	30	3	21	2	78	15	161	2	
-7	-	-	3	*	-	-	-	-	1	*	-	-	-	-	-	-	-	-	5	*	4	*	25	6	38	1	
-8	-	-	-	-	-	-	-	-	1	*	-	-	-	-	1	*	-	-	-	-	1	*	13	4	16	*	
-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2	6	*	
-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2	6	*	
-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1	8	*	
-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	-0.9		-0.7		-0.6		-0.3		-0.0		-0.1		-0.4		-0.5		-0.5		-0.6		-0.8		-1.0		-0.5		
S.D.	1.2		1.3		1.0		1.1		0.9		1.0		1.0		0.9		1.1		1.3		1.3		1.6		1.2		
TOTAL	8362		8235		10818		11909		13363		13172		13701		14826		13967		12691		10673		9164		140881		
MAX	5.5		6.6		5.6		9.2		4.5		10.2		4.3		4.6		5.0		8.7		13.6		5.5		13.6		
DATE	1986011222		1995020222		1988032609		1989040619		2000052201		1981061516		1983071011		1984083023		1985092519		1987100514		1999110100		1980123122		1999110100		
MIN	-5.9		-6.7		-6.1		-5.1		-8.1		-4.0		-4.6		-7.9		-4.6		-7.1		-7.5		-11.3		-11.3		
DATE	1998010615		1989020613		1998032913		1998040116		1996052819		1984060113		1983071216		1994081001		1996092514		1986100815		1985111216		1990122212		1990122212		

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

STATION: 46011

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (2/1989 - 12/2001) (33930 RECORDS, 23.9% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	12	#	-	-	-	-	-	-	-	15	#
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	999	49	997	18	#	14	#	-	-	-	115	999
16	-	-	-	-	-	-	-	-	1	#	1	#	1	#	137	990	248	983	61	992	40	994	-	-	-	489	996
15	-	-	-	-	-	-	-	-	13	999	93	999	123	999	353	954	724	913	311	965	162	977	-	-	-	1779	982
14	-	-	8	#	6	#	15	#	119	996	329	979	442	967	720	860	1057	711	690	825	279	910	24	#	3689	929	
13	6	#	39	996	53	997	187	995	352	966	653	905	949	847	1327	669	1081	415	545	517	278	793	194	985	5664	821	
12	73	995	217	978	231	971	330	929	511	877	1089	758	1296	591	623	317	358	112	342	273	431	676	321	862	5822	654	
11	132	934	339	879	467	859	581	814	782	747	1054	513	673	241	193	151	41	11	144	120	333	496	339	660	5078	482	
10	192	824	510	724	431	633	607	610	1010	548	960	276	26	59	165	100	-	-	37	55	216	357	228	446	4382	332	
9	195	664	251	490	226	424	517	397	667	291	219	61	2	52	163	56	-	-	33	38	128	266	181	302	2582	203	
8	209	502	181	375	213	315	266	216	297	122	44	11	7	52	49	13	-	-	30	24	133	213	108	188	1537	127	
7	120	328	187	292	168	211	158	123	167	46	7	2	34	50	-	-	-	-	17	10	130	157	83	119	1071	82	
6	127	228	139	207	142	130	113	67	15	4	-	-	59	41	-	-	-	-	3	3	96	103	36	67	730	50	
5	52	122	106	143	63	61	48	28	-	-	-	-	63	25	-	-	-	-	1	1	65	62	21	44	419	29	
4	29	78	65	94	37	31	15	11	-	-	-	-	14	8	-	-	-	-	2	1	41	35	11	31	214	16	
3	18	54	24	65	16	13	5	6	-	-	-	-	2	4	-	-	-	-	-	-	10	18	9	24	84	10	
2	8	39	18	54	6	5	8	4	-	-	-	-	1	4	-	-	-	-	-	-	15	14	11	18	67	8	
1	17	33	11	45	4	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	12	8	9	11	55	6	
0	11	18	7	40	-	-	1	*	-	-	-	-	3	3	-	-	-	-	-	-	6	3	9	6	37	4	





23	44	983	74	964	169	964	245	936	266	956	213	979	86	987	47	996	86	993	102	986	90	986	78	978	1500	977
22	57	977	100	954	189	947	304	914	339	935	309	962	139	981	83	993	86	987	139	978	106	977	83	970	1934	966
21	74	970	141	941	249	928	371	888	439	908	395	937	196	971	131	988	137	981	199	967	144	967	105	960	2581	952
20	103	960	193	923	360	903	416	855	504	874	460	906	242	956	184	979	195	971	247	951	206	953	149	948	3259	933
19	177	947	257	897	474	868	608	818	685	834	556	870	378	939	351	966	306	957	338	932	296	933	224	931	4650	909
18	186	923	258	863	453	821	534	764	696	781	490	826	475	911	372	943	337	935	384	905	320	905	259	906	4764	875
17	219	899	288	829	467	776	543	717	677	726	580	787	491	877	455	918	405	912	418	875	390	874	307	876	5240	840
16	270	870	295	791	562	729	554	669	689	673	534	742	589	841	588	887	483	883	495	842	456	836	338	841	5853	801
15	284	834	312	752	488	673	579	621	635	619	629	700	621	798	713	847	561	848	496	803	442	792	360	803	6120	759
14	354	797	362	711	511	625	521	570	610	569	567	650	649	752	804	799	586	808	559	764	493	750	382	762	6398	714
13	349	750	395	663	516	574	535	524	659	522	527	605	726	705	945	745	707	767	568	720	524	702	436	719	6887	667
12	440	704	483	611	644	523	630	476	707	470	692	564	889	652	1147	681	857	716	791	675	619	652	517	669	8416	616
11	416	646	383	547	528	459	507	421	539	415	575	509	768	587	970	604	833	655	691	613	539	592	444	610	7193	555
10	433	591	423	496	494	407	544	376	528	372	601	464	838	531	1053	539	936	596	674	559	576	540	444	560	7544	502
9	405	534	411	440	469	358	465	328	472	331	624	416	778	470	976	468	933	529	721	506	561	485	456	509	7271	447
8	419	480	364	386	496	311	478	287	469	294	620	367	794	413	898	402	889	463	694	449	631	431	458	457	7210	393
7	410	425	382	338	453	262	501	245	491	257	595	318	829	355	903	341	883	400	742	395	620	370	488	405	7297	341
6	506	371	417	287	409	217	447	201	534	219	644	271	771	295	880	281	932	337	752	336	643	311	537	350	7472	287
5	668	304	513	232	536	176	570	161	589	177	837	220	954	239	1050	221	1208	270	1104	277	757	249	704	288	9490	232
4	493	216	402	164	358	123	421	111	474	131	599	154	687	169	707	150	820	184	791	190	541	176	585	208	6878	163
3	439	151	356	111	326	87	314	74	424	94	519	107	647	119	623	103	732	126	683	128	497	124	459	142	6019	112
2	365	93	242	64	243	55	231	46	348	61	404	66	501	72	444	61	539	74	503	74	375	76	365	90	4560	68
1	203	45	159	32	185	31	154	26	225	33	269	34	313	35	293	31	333	36	286	35	253	40	272	48	2945	35
0	139	18	85	11	125	12	138	12	201	16	161	13	169	12	165	11	166	12	157	12	161	15	150	17	1817	13
MEAN		9.5		11.0		12.2		13.0		12.7		11.5		10.3		10.0		9.5		10.0		10.2		10.0		10.8
S.D.		5.8		6.4		6.3		6.7		6.6		6.4		5.7		5.1		5.3		5.8		5.8		6.1		6.1
TOTAL		7580		7566		10069		11336		12768		12670		13706		14834		14046		12716		10389		8789		136469
MAX		39.3		41.0		37.3		35.8		34.4		29.5		30.3		27.6		27.4		30.3		31.9		39.5		41.0
DATE	1988011803	1998020307	1995031017	1999040403	1988050100	1995060602	2000071922	1988081602	1982092613	1997100704	1994111810	1987121609	1998020307													
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	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	1998010117	1995022809	1997031713	2000041223	1997052009	2001062705	2001070706	1999081015	2001091919	2001102722	1999111518	1997122915	2001102722													

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

STATION: 46011

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

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

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (10/1980 - 12/2001) (136360 RECORDS, 96.1% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	#	
54	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
52	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
51	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
50	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
49	1	999	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
48	1	999	3	999	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	6	999	
47	1	999	1	999	1	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	3	999	7	999	
46	-	-	1	999	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	3	999	
45	-	-	2	999	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
44	1	999	-	-	-	-	1	#	2	999	-	-	-	-	-	-	-	-	-	-	-	-	1	999	5	999	
43	1	999	1	998	3	999	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	8	999	
42	2	999	3	998	1	999	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	11	999	
41	2	999	5	998	3	999	7	999	2	999	-	-	-	-	-	-	-	-	-	-	-	-	4	999	23	999	
40	1	999	4	997	1	999	6	999	-	-	-	-	-	-	-	-	-	-	-	-	2	#	3	998	17	999	
39	5	999	8	997	3	999	7	998	2	999	-	-	-	-	-	-	-	-	-	-	1	999	2	998	28	999	
38	5	998	13	995	4	999	13	998	2	999	1	#	-	-	-	-	-	-	2	#	-	-	6	998	46	999	
37	3	997	9	994	12	998	12	997	10	999	2	999	1	#	-	-	-	-	1	999	-	-	4	997	54	999	
36	7	997	8	993	9	997	21	996	7	999	3	999	2	999	-	-	-	-	3	999	3	999	11	997	74	998	
35	4	996	16	991	14	996	40	994	24	998	5	999	1	999	-	-	-	-	13	999	11	999	17	995	145	998	
34	15	995	17	989	18	995	66	990	36	996	9	999	15	999	2	#	-	-	7	999	11	998	16	993	212	997	
33	14	993	28	987	38	993	92	984	62	993	20	998	14	999	-	-	2	#	12	998	13	997	28	992	323	995	
32	10	992	29	983	39	989	82	976	69	988	41	997	19	998	2	999	9	999	28	997	17	996	28	988	373	993	
31	24	990	40	980	74	985	116	969	113	983	65	994	43	996	18	999	20	999	33	995	23	994	23	985	592	990	
30	23	987	51	974	85	978	143	959	142	974	85	988	43	993	7	999	37	998	47	992	45	992	43	983	751	986	
29	46	984	67	967	117	969	157	946	190	963	121	982	50	990	36	998	33	995	61	989	46	988	55	978	979	980	
28	40	978	61	958	122	958	208	932	216	948	162	972	77	986	42	996	62	993	82	984	77	983	54	971	1203	973	
27	49	973	81	950	148	946	2																				

17	311	778	301	701	439	611	444	562	514	558	430	640	551	742	698	786	534	803	455	755	440	738	325	749	5442	703
16	280	737	335	661	422	567	426	523	528	518	433	606	588	702	743	739	563	765	520	719	424	696	373	712	5635	663
15	329	700	339	616	471	525	453	485	509	477	506	571	645	659	845	689	616	725	554	678	451	655	354	669	6072	622
14	357	657	335	571	425	479	446	445	484	437	501	531	650	612	804	632	687	681	576	635	468	612	391	629	6124	577
13	362	610	368	526	435	436	448	406	470	399	518	492	700	564	851	578	813	632	597	589	470	567	386	585	6418	532
12	412	562	413	478	531	393	553	366	515	362	621	451	807	513	1043	520	975	574	731	542	569	521	455	541	7625	485
11	328	508	355	423	415	340	426	318	427	322	532	402	699	454	858	450	817	505	641	485	543	467	414	489	6455	429
10	387	464	325	375	435	299	439	280	418	288	551	360	741	403	801	392	754	447	630	434	583	414	427	442	6491	382
9	373	413	339	332	399	256	420	241	408	256	531	316	688	349	798	338	759	393	647	385	548	358	413	393	6323	334
8	436	364	382	287	394	216	419	204	473	224	599	274	671	299	775	284	811	339	658	334	538	305	491	346	6647	288
7	477	306	381	236	379	177	391	167	451	187	551	227	606	250	712	232	817	281	688	282	556	254	455	290	6464	239
6	480	244	400	185	349	140	418	133	441	151	635	184	780	206	790	184	892	223	840	228	553	200	564	239	7142	192
5	492	180	396	132	371	105	411	96	489	117	611	133	708	149	677	130	846	159	789	162	568	147	582	174	6940	139
4	333	115	272	79	245	68	258	60	375	78	418	85	523	97	540	85	587	99	549	100	371	92	363	108	4834	88
3	284	71	160	43	215	44	189	37	286	49	323	52	417	59	351	48	431	57	386	56	279	56	297	67	3618	53
2	160	34	109	22	127	22	102	20	165	27	198	27	247	29	220	25	240	27	220	26	187	29	183	33	2158	26
1	70	13	41	7	65	10	69	11	101	14	94	11	117	11	107	10	84	9	73	9	93	11	76	12	990	11
0	27	4	15	2	33	3	57	5	74	6	46	4	30	2	37	2	48	3	37	3	26	3	32	4	462	3
MEAN	12.2		13.8		15.2		16.1		15.8		14.3		12.9		12.5		11.9		12.6		12.9		12.6		13.5	
S.D.	7.0		7.6		7.5		8.0		7.9		7.6		6.7		5.9		6.2		6.8		6.8		7.3		7.2	
TOTAL	7580		7514		10068		11333		12767		12662		13702		14817		14037		12706		10385		8789		136360	
MAX	50.0		53.8		47.6		43.9		46.5		38.3		36.7		34.4		33.4		37.7		40.4		55.0		55.0	
DATE	1988011803	1998020307	1995031017	1985042603	1988050101	1995060602	1989071500	1988081602	1982092614	1996102606	1982113013	1987121609	1987121609													
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	1986012720	1995022809	1995030103	1997041904	1997051907	1998060619	1986070315	1996081115	1999090211	2001102722	1980110105	1985122621	2001102722													

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

STATION: 46011

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (6/1998 - 12/2001) (26746 RECORDS, 16.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F
46	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
45	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
43	-	-	-	-	4	#	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	999
42	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
41	2	#	4	999	1	997	3	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	999	
40	2	999	4	996	1	997	6	997	1	#	-	-	-	-	-	-	-	-	-	-	-	-	2	#	16	999	
39	3	997	5	993	-	-	5	994	3	999	-	-	-	-	-	-	-	-	-	-	1	#	2	999	19	999	
38	1	995	2	989	3	996	5	991	3	998	-	-	-	-	-	-	-	-	2	#	1	999	1	998	18	998	
37	1	995	2	988	2	994	13	989	10	997	-	-	1	#	-	-	-	-	1	999	2	999	3	998	35	997	
36	1	994	5	986	1	992	13	982	14	992	1	#	4	999	-	-	-	-	-	-	1	998	9	996	49	996	
35	1	993	4	983	6	992	19	976	12	986	3	999	-	-	-	-	-	-	3	999	2	998	5	992	55	994	
34	4	993	3	980	12	988	16	967	20	981	5	998	2	998	1	#	1	#	2	997	1	997	5	990	72	992	
33	5	990	11	977	15	979	30	959	32	972	11	996	9	998	4	999	2	999	6	997	4	997	10	988	139	989	
32	3	987	7	969	29	969	26	944	38	957	15	991	12	995	4	998	8	999	14	994	5	995	12	983	173	984	
31	6	985	7	964	31	949	40	931	42	940	25	985	14	990	6	997	15	996	9	988	10	993	5	978	210	978	
30	7	981	12	959	33	928	45	912	52	921	27	974	11	986	6	995	17	991	22	984	11	989	11	976	254	970	
29	6	976	14	950	36	905	39	890	57	897	42	962	22	982	14	993	17	985	21	975	17	985	20	971	305	960	
28	8	972	12	939	38	880	67	871	68	872	73	944	37	974	30	988	26	979	27	966	21	978	10	962	417	949	
27	13	967	23	930	34	854	58	838	64	841	48	913	35	962	28	978	30	970	32	955	33	970	29	957	427	933	
26	27	958	28	913	49	831	83	809	113	812	81	892	63	950	56	969	48	959	37	941	48	957	46	944	679	917	
25	24	940	30	892	52	797	63	769	98	761	82	857	67	928	43	950	48	942	44	925	49	938	45	924	645	892	
24	28	924	29	869	50	762	84	738	82	717	70	821	68	906	75	936	39	926	33	907	63	919	41	903	662	868	
23	51	906	38	847	50	727	99	697	64	680	69	791	91	882	70	911	45	912	39	892	82	894	59	885	757	843	
22	46	872	33	819	64	693	93	648	72	651	72	761	111	851	97	887	45	896	50	876	97	861	73	858	853	815	
21	49	841	50	794	58	649	76	603	74	618	68	730	136	814	102	855	58	880	57	855	141	823	91	825	960	783	
20	60	809	62	756	61	609	79	565	57	585	70	700	115	767	111	821	49	860	59	830	110	768	82	785	915	747	
19	76	769	89	710	87	567	105	527	89	559	102	670	149	728	195	784	79	843	106	805	135	724	96	748	1308	713	
18	58	718	71	643	65	508	81	475	55	519	83	626	138	677	186	719	85	815	73	760	128	671	103	704	1126	664	
17	81	680	69	589	48	463	92	436	68	494	93	590	167	630	178	657	77	785	83	729	122	620	98	658	1176	622	
16	55	626	61	538	51	430	86	390	48	463	82	550	145	573	177	597	94	758	108	694	91	572	97	614	1095	578	
15	60	590	64	492	68	395	71	348	51	442	106	514	153	524	185	538	131	725	111	648	122	536	84	570	1206	537	
14	84	550	74	444	39	348	61	314	31	419	85	468	137	472	164	476	129	679	121	601	93	488	92	533	1110	492	
13	68	494	72																								

2	-	-	-	-	3	2	3	1	3	1	5	3	12	4	3	1	8	3	9	4	5	2	6	3	57	2
1	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	1	*	1	*	-	-	4	*
MEAN	14.3		16.2		18.2		19.0		17.4		15.9		15.3		14.9		12.7		13.8		14.9		14.6		15.4	
S.D.	6.9		7.3		8.0		8.2		9.2		7.7		6.6		6.0		6.5		6.8		6.8		7.1		7.4	
TOTAL	1506		1330		1456		2041		2214		2309		2935		2994		2851		2353		2534		2223		26746	
MAX	40.8		42.2		43.0		45.9		40.0		36.0		36.5		34.4		34.2		38.3		39.1		40.4		45.9	
DATE	2001011018	2001022419	2001030422	1999040403	1999050901	2000061101	2000071921	2001082422	2000091523	1998101001	2001112912	2001121421	1999040403													
MIN	2.5		2.7		1.7		2.3		1.6		1.4		1.6		1.9		1.7		1.2		1.0		1.9		1.0	
DATE	1999010314	2001021604	2001032207	2000041518	2001050710	2001062705	1999071515	1999081014	2001091118	2001100610	1999111517	2001121722	1999111517													

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

STATION: 46011

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (10/1980 - 12/2001) (136822 RECORDS, 96.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
9.0	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	
8.5	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	
8.0	1	999	2	#	5	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	10	999	
7.5	6	999	2	999	8	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	17	999	
7.0	16	999	18	999	7	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	999	53	999	
6.5	27	997	37	997	18	998	5	#	1	#	-	-	-	-	-	-	-	-	-	-	2	#	32	998	122	999	
6.0	50	994	59	993	44	996	14	999	3	999	-	-	-	-	-	-	-	-	-	-	32	999	61	995	263	998	
5.5	100	988	128	986	59	992	30	998	13	999	-	-	-	-	-	-	-	-	-	1	#	53	997	131	988	515	997
5.0	149	976	195	970	142	987	88	996	25	999	4	#	-	-	-	-	-	-	25	999	127	992	162	974	917	993	
4.5	263	958	322	946	336	973	191	988	56	997	17	999	-	-	-	-	6	#	111	998	245	980	317	956	1864	986	
4.0	485	926	542	907	622	941	440	972	169	992	89	998	-	-	-	-	22	999	215	989	419	956	472	922	3475	972	
3.5	809	868	765	841	1097	883	810	935	406	979	306	991	24	#	3	#	160	998	436	971	785	917	763	870	6364	947	
3.0	1050	771	1087	748	1629	779	1348	867	1130	947	886	967	254	998	78	999	390	986	814	935	1380	842	1145	787	11191	901	
2.5	1625	646	1349	615	2185	625	1822	753	2355	859	2185	897	1119	978	764	994	1126	958	1631	869	1915	711	1562	661	19638	819	
2.0	1820	451	1728	451	2239	418	2652	600	3531	674	3385	724	2987	892	3024	940	2954	875	2844	735	2310	529	1814	491	31288	675	
1.5	1544	233	1330	241	1499	206	2830	376	3468	397	3487	456	5217	661	5727	723	5656	659	3861	501	2049	310	1687	293	38355	447	
1.0	356	49	596	79	603	64	1525	138	1440	125	1960	180	3200	257	4126	313	3224	246	2037	185	877	115	885	108	20829	166	
0.5	50	6	49	6	77	7	103	9	133	12	309	24	122	9	92	18	136	10	215	18	334	32	105	11	1725	14	
0.0	-	-	-	-	-	4	*	20	2	-	-	-	-	-	163	12	-	-	-	-	5	*	-	-	192	1	
MEAN	2.6		2.6		2.6		2.2		2.0		1.9		1.6		1.5		1.6		1.9		2.3		2.5		2.0		
S.D.	1.1		1.1		1.0		0.9		0.7		0.7		0.5		0.5		0.5		0.8		1.0		1.1		0.9		
TOTAL	8355		8209		10570		11862		12750		12628		12923		13977		13674		12190		10533		9151		136822		
MAX	9.2		8.2		8.2		6.6		6.3		5.1		3.5		3.4		4.7		5.3		6.7		8.0		9.2		
DATE	1988011812	1998020300	1983030204	1999040405	2001050218	1995060704	1999070709	1999083105	1997092719	2000102921	2001113009	1985120307	1988011812														
MIN	0.5		0.4		0.3		0.2		0.0		0.3		0.6		0.0		0.4		0.3		0.2		0.5		0.0		
DATE	1991013123	1981020815	1984030613	1983041614	1996052820	1982062518	1995071913	1994080915	1986091704	1982102211	1999111505	1982122817	1996052820														

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

STATION: 46011

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (10/1980 - 12/2001) (136770 RECORDS, 96.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
17	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	3	#	
16	7	999	7	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	17	999	
15	20	999	14	999	5	#	-	-	1	#	-	-	-	-	-	2	#	-	-	1	#	27	999	70	999		
14	102	997	51	997	8	999	-	-	6	999	-	-	-	-	-	18	999	4	#	16	999	75	997	280	999		
13	266	984	186	991	76	999	-	-	6	999	-	-	-	-	-	33	999	22	999	97	998	256	988	942	997		
12	563	952	404	968	280	992	34	#	22	999	-	-	1	#	2	#	44	996	155	998	310	989	475	960	2290	990	
11	985	885	620	919	533	965	179	997	46	997	16	#	-	-	14	999	90	993	342	985	586	960	806	909	4217	974	
10	1408	767	1120	843	1047	915	416	982	208	994	158	999	23	999	105	999	333	986	768	957	1308	904	1255	820	8149	943	
9	1696	599	1596	706	1850	816	1106	947	785	977	696	986	314	998	470	991	1279	962	1685	894	2029	780	1754	683	15260	883	
8	1566	396	1768	510	2627	641	2378	854	1742	916	2093	931	1665	974	1463	958	2520	868	2617	756	2559	587	1864	492	24862	772	
7	1049	208	1330	293	2446	392	3442	653	3423	779	3609	765	3250	845	3003	853	3408	684	3002	541	2185	344	1345	288	31492	590	
6	520	83	848	130	1403	161	3122	363	4541	511	4294	480	4974	594	5373	638	3598	435	2595	295	1110	137	922	141	33300	360	
5	170	20	200	26	282	28	1080	100	1837	155	1677	140	2575	209	3168	254	2201	172	906	82	302	32	331	40	14729	116	
4	1	*	13	2	13	1	105	9	115	10	85	7	121	9	245	27	148	11	94	8	30	3	37	4	1007	8	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
0	-	-	-	-	-	-	-	-	18	1	-	-	-	-	-	134	10	-	-	-	-	-	-	-	-	152	1
MEAN	9.1		8.6		8.0		7.0		6.6		6.6		6.3		6.2		6.8		7.4		8.2		8.6		7.3		
S.D.	1.9		1.9		1.6		1.4		1.2		1.1		1.0		1.3		1.4		1.6		1.6		2.0		1.7		
TOTAL	8355		8157		10570		11862		12750		12628		12923		13977		13674		12190		10533		9151		136770		

MAX 16.7 15.9 15.4 12.2 14.8 11.4 12.0 12.3 14.9 14.3 14.7 16.7 16.7  
 DATE 1986012313 1999021709 1999032123 1982042304 1996052802 1995061516 1995072818 1994080512 1990092611 1987102319 1987110915 1985122315 1986012313  
 MIN 4.4 3.8 3.9 3.8 0.0 3.6 3.9 0.0 3.5 3.8 3.7 3.6 0.0  
 DATE 1991012800 1981020818 1989030212 1981042023 1996052820 1982062600 1992072803 1994080915 1990090500 1983101012 1982112302 1982120922 1996052820  
 (\* < 0.05% , # = 100.0%)

STATION: 46011

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (10/1980 - 12/2001) (136787 RECORDS, 96.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
25	36	#	21	#	24	#	4	#	3	#	-	-	2	#	2	#	30	#	4	#	5	#	18	#	149	#	
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
20	406	996	369	997	420	998	126	999	143	999	105	#	77	999	132	999	201	998	220	999	221	999	336	998	2756	999	
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	979	
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	979	
17	1426	947	1559	952	1449	958	888	989	731	989	737	992	717	994	912	990	985	983	1010	982	1410	979	1438	961	13262	979	
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	882	
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	882	
14	2991	776	2503	763	2991	821	1968	914	1171	931	963	933	871	938	912	925	1511	911	2154	899	2719	845	2547	804	23301	882	
13	1953	418	1869	458	2530	538	2275	748	1330	839	845	857	374	871	423	860	1418	800	2365	722	2638	586	2383	526	20403	711	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	562	
11	702	184	910	230	1392	298	1848	556	1620	735	1346	790	836	842	716	830	1661	697	1873	528	1667	336	1147	265	15718	562	
10	291	100	349	119	621	167	1482	401	1918	608	2083	683	1719	777	1670	778	2131	575	1430	374	766	178	499	140	14959	447	
9	172	65	183	77	336	108	1063	276	1592	458	2130	518	2292	644	2056	659	1548	419	937	257	331	105	282	86	12922	338	
8	191	45	228	54	424	76	1176	186	1947	333	2632	350	3202	467	3309	512	1808	306	1058	180	453	73	230	55	16658	244	
7	89	22	116	27	194	36	465	87	1359	180	1066	141	1687	219	2134	275	1075	174	565	93	169	30	113	30	9032	122	
6	57	11	65	12	142	18	381	48	721	73	554	57	813	89	1134	122	915	95	391	47	104	14	100	17	5377	56	
5	37	5	35	5	32	4	151	15	154	17	135	13	293	26	390	41	341	28	153	15	36	4	40	6	1797	16	
4	1	*	2	*	10	1	32	3	41	5	27	2	37	3	50	13	40	3	19	2	10	1	17	2	286	3	
3	-	-	-	-	1	*	-	-	1	1	1	*	1	*	3	10	2	*	4	*	-	-	1	*	14	1	
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	
0	-	-	-	-	-	-	-	18	1	-	-	-	-	-	134	10	-	-	1	*	-	-	-	-	153	1	
MEAN	13.8		13.6		13.1		11.4		10.2		10.0		9.4		9.3		10.5		11.6		12.8		13.2		11.3		
S.D.	2.8		2.9		3.0		3.0		3.1		2.9		2.9		3.2		3.3		3.1		2.7		2.9		3.4		
TOTAL	8352		8209		10566		11859		12749		12624		12921		13977		13666		12184		10529		9151		136787		
MAX	25.0		25.0		25.0		25.0		25.0		20.0		25.0		25.0		25.0		25.0		25.0		25.0		25.0		
DATE	2001011905		1999022818		1999032516		1988041623		1998050100		2000062902		1996072401		1994080414		2000092807		1997100418		2001110911		2001122712		2001122712		
MIN	4.3		3.8		3.4		3.6		0.0		3.4		3.3		0.0		3.4		0.0		3.6		3.4		0.0		
DATE	1997012507		1981020818		1989030212		1995040100		1996052820		1982062603		1995070304		1994080915		1990090423		1980100718		1982112222		1982120918		1996052820		
(* < 0.05% , # = 100.0%)																											

ELEMENT SUMMARY FOR STATION: 46011

(A) TOTAL STDNET RECORDS READ = 141910  
 (B) TOTAL CWIND RECORDS READ = 162420  
 (C) TOTAL RECORDS USED IN STATS = 304330

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	140919	141113	140881	33930	140354	136469	136360	26746	136822	136770	136787	0
(E) ELEMENT OUT OF RANGE	991	797	1029	107980	1556	5441	5550	135674	5088	5140	5123	141910

STATION: 46011 -- POR (10/1980 - 12/2001)

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

ELEMENT: AIR TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	-	-	-	-	-	14.4	14.2	14.1	14.2
	MAXIMUM	-	-	-	-	-	-	-	-	-	19.4	18.4	20.4	20.4
	DAY-HR	-	-	-	-	-	-	-	-	-	30-22	03-22	31-22	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	11.4	11.7	10.3	10.3
	DAY-HR	-	-	-	-	-	-	-	-	-	22-15	26-11	08-11	DEC
	# OBS	-	-	-	-	-	-	-	-	-	580	717	736	2033
1981	MEAN	13.7	13.1	12.9	11.7	12.0	13.4	13.9	13.9	14.2	14.0	14.1	13.3	13.4
	MAXIMUM	17.8	18.6	16.0	19.9	14.9	21.3	17.7	17.2	16.6	17.8	21.0	14.5	21.3
	DAY-HR	01-00	18-22	17-22	29-15	19-00	15-16	08-21	15-00	30-18	01-23	02-00	01-22	JUN
	MINIMUM	8.4	8.8	8.1	9.3	9.8	11.0	11.3	10.9	11.8	10.4	9.9	12.3	8.1

	DAY-HR	30-15	26-08	05-11	14-15	12-05	01-15	19-15	06-15	02-10	22-17	28-08	01-15	MAR
	# OBS	733	668	733	718	739	716	741	737	702	719	718	24	7948
1982	MEAN	-	-	11.9	12.9	12.4	12.9	13.2	14.0	15.9	15.7	15.4	13.8	13.9
	MAXIMUM	-	-	15.2	17.6	15.9	15.6	15.8	17.9	21.9	21.9	19.2	17.1	21.9
	DAY-HR	-	-	11-00	21-02	31-18	30-22	01-01	13-23	24-03	23-18	27-00	10-00	OCT
	MINIMUM	-	-	8.9	8.4	10.3	11.0	10.7	11.8	12.4	12.5	10.6	9.3	8.4
	DAY-HR	-	-	17-02	01-13	23-15	15-16	31-16	02-16	06-17	14-15	09-12	25-15	APR
	# OBS	-	-	504	718	741	719	740	741	720	742	719	744	7088
1983	MEAN	14.3	13.9	13.4	12.6	12.4	13.4	14.8	16.8	17.0	16.9	17.1	-	14.6
	MAXIMUM	20.0	16.0	15.9	15.3	13.8	15.1	18.0	19.0	20.9	23.6	18.4	-	23.6
	DAY-HR	13-01	22-20	01-03	19-20	05-21	11-06	10-11	07-21	20-20	27-01	03-17	-	OCT
	MINIMUM	10.0	10.3	9.5	8.6	10.5	10.1	12.5	14.2	14.8	13.5	15.7	-	8.6
	DAY-HR	21-15	02-20	21-13	12-05	19-16	06-11	12-16	01-14	04-16	22-08	01-11	-	APR
	# OBS	737	670	744	647	739	708	740	744	717	742	116	-	7304
1984	MEAN	-	12.4	12.7	11.2	11.7	12.6	15.1	16.0	17.9	15.1	13.8	12.3	13.8
	MAXIMUM	-	15.7	15.8	16.3	16.0	14.5	18.4	20.2	21.6	18.3	16.9	17.6	21.6
	DAY-HR	-	27-21	05-22	15-00	27-22	30-01	19-22	30-23	29-01	13-18	04-22	06-22	SEP
	MINIMUM	-	9.6	9.8	8.0	9.2	11.0	11.9	12.8	14.1	12.1	10.7	7.5	7.5
	DAY-HR	-	22-15	31-13	27-14	01-15	25-14	02-10	06-17	03-15	31-17	22-19	17-14	DEC
	# OBS	-	421	736	719	739	718	742	742	717	743	718	743	7738
1985	MEAN	12.1	11.7	11.1	11.5	11.8	12.6	14.3	14.6	15.4	14.8	12.6	12.7	12.9
	MAXIMUM	16.0	16.5	14.4	17.2	14.6	15.2	16.3	18.8	19.7	22.2	17.7	18.2	22.2
	DAY-HR	04-23	14-04	10-00	02-05	27-21	12-20	25-23	13-22	25-19	04-01	06-21	25-23	OCT
	MINIMUM	8.7	8.8	8.8	8.3	9.6	10.6	12.4	11.9	12.1	12.0	7.5	7.7	7.5
	DAY-HR	18-15	04-18	06-15	28-05	01-16	09-05	24-11	10-13	22-16	29-15	12-16	12-13	NOV
	# OBS	743	671	742	718	743	322	297	721	694	743	720	743	7857
1986	MEAN	13.6	13.1	13.1	12.5	11.8	13.7	14.0	13.9	14.5	13.2	-	-	13.3
	MAXIMUM	19.6	18.0	16.9	17.8	14.5	15.9	18.1	16.9	16.6	16.7	-	-	19.6
	DAY-HR	12-22	26-10	26-23	20-20	03-02	18-02	24-23	15-21	18-01	14-16	-	-	JAN
	MINIMUM	10.9	9.6	9.7	10.5	9.8	10.9	10.6	11.3	11.6	7.6	-	-	7.6
	DAY-HR	13-16	10-16	16-23	30-13	13-14	22-06	02-15	26-13	21-15	08-15	-	-	OCT
	# OBS	742	668	732	716	731	716	740	741	545	335	-	-	6666
1987	MEAN	-	-	-	12.9	13.0	12.8	14.0	14.9	14.8	16.1	14.6	11.9	14.1
	MAXIMUM	-	-	-	13.6	15.6	18.1	17.3	19.2	17.4	26.0	18.3	16.0	26.0
	DAY-HR	-	-	-	30-22	06-02	15-02	21-21	22-22	08-21	05-14	20-00	11-06	OCT
	MINIMUM	-	-	-	11.8	11.2	9.9	11.3	11.5	12.6	13.1	10.5	7.0	7.0
	DAY-HR	-	-	-	30-15	30-12	03-13	07-16	02-13	15-13	15-15	28-15	25-12	DEC
	# OBS	-	-	-	26	741	717	742	743	677	678	239	248	4811
1988	MEAN	12.1	13.0	12.6	12.9	12.2	13.0	14.0	15.6	14.2	14.2	13.4	11.8	13.4
	MAXIMUM	16.6	17.0	18.3	17.1	16.2	17.0	17.5	18.8	16.9	19.0	19.1	18.4	19.1
	DAY-HR	27-21	19-21	26-18	10-22	21-00	20-21	24-22	03-20	28-17	17-01	05-08	01-23	NOV
	MINIMUM	9.3	9.6	9.2	10.6	10.4	10.4	10.0	11.3	10.8	12.1	9.9	6.6	6.6
	DAY-HR	20-15	01-18	17-15	12-12	05-12	13-15	02-11	17-17	07-15	01-15	09-18	25-19	DEC
	# OBS	246	231	248	638	743	719	736	739	717	741	718	742	7218
1989	MEAN	10.8	10.4	11.6	13.3	12.4	13.0	13.1	13.9	13.9	14.6	-	-	12.6
	MAXIMUM	16.7	15.1	14.9	22.3	15.3	17.8	15.6	17.3	16.1	17.8	-	-	22.3
	DAY-HR	21-01	26-00	20-18	06-19	03-23	29-19	06-23	22-01	27-01	09-01	-	-	APR
	MINIMUM	7.0	4.7	8.7	10.6	9.3	9.7	10.9	11.0	12.4	-	-	-	4.7
	DAY-HR	07-14	06-13	03-18	26-11	31-15	01-09	17-14	05-15	14-10	07-12	-	-	FEB
	# OBS	744	670	742	719	728	716	738	736	719	383	-	-	6895
1990	MEAN	-	11.4	11.2	12.9	12.5	13.0	14.5	16.0	15.5	16.0	14.5	12.0	13.7
	MAXIMUM	-	15.9	14.1	14.9	14.8	15.4	16.8	18.2	18.2	21.5	20.1	17.5	21.5
	DAY-HR	-	24-20	16-23	04-19	30-23	21-01	16-23	28-00	24-01	10-00	11-22	03-00	OCT
	MINIMUM	-	8.2	8.2	9.9	10.7	10.5	11.5	13.9	12.3	12.7	11.2	2.4	2.4
	DAY-HR	-	20-15	11-17	01-13	16-10	19-13	03-16	01-18	15-15	30-16	28-14	22-12	DEC
	# OBS	-	243	742	714	732	713	739	743	718	741	718	742	7545
1991	MEAN	12.2	12.6	11.7	11.7	10.9	11.8	13.8	14.7	14.7	14.2	-	-	12.7
	MAXIMUM	15.2	16.0	14.2	14.8	12.5	15.6	16.1	19.3	16.8	16.2	-	-	19.3
	DAY-HR	17-00	15-00	08-23	04-18	03-00	30-17	07-00	13-21	06-22	08-23	-	-	AUG
	MINIMUM	9.4	9.0	7.2	9.4	8.9	9.5	11.2	12.5	12.9	12.9	-	-	7.2
	DAY-HR	24-16	09-16	15-15	16-17	24-14	05-12	03-14	29-13	29-16	10-05	-	-	MAR
	# OBS	741	671	743	717	744	715	743	740	720	234	-	-	6768
1992	MEAN	-	-	14.0	14.0	14.6	14.8	15.0	14.6	15.2	-	-	-	14.6
	MAXIMUM	-	-	16.2	16.3	17.3	18.5	18.8	18.2	17.8	-	-	-	18.8
	DAY-HR	-	-	27-00	30-00	11-00	29-23	12-23	31-00	26-23	-	-	-	JUL
	MINIMUM	-	-	11.5	12.0	12.1	11.8	12.6	12.2	13.0	-	-	-	11.5
	DAY-HR	-	-	18-14	22-14	03-14	18-14	24-17	02-17	08-14	-	-	-	MAR
	# OBS	-	-	499	719	741	716	742	734	621	-	-	-	4772
1994	MEAN	-	-	-	-	-	-	-	16.1	14.7	14.9	12.4	12.2	14.0
	MAXIMUM	-	-	-	-	-	-	-	27.0	18.0	22.1	15.7	14.9	27.0
	DAY-HR	-	-	-	-	-	-	-	06-00	24-23	08-20	01-00	22-23	AUG
	MINIMUM	-	-	-	-	-	-	-	12.2	10.8	11.0	8.8	8.9	8.8

	DAY-HR	-	-	-	-	-	-	-	31-15	04-17	19-15	19-17	09-15	NOV
	# OBS	-	-	-	-	-	-	-	715	712	739	715	735	3616
1995	MEAN	12.8	13.5	13.6	12.4	12.1	12.3	14.1	14.1	14.4	15.0	14.5	-	13.5
	MAXIMUM	15.3	20.8	16.0	15.2	15.6	14.9	17.6	16.7	17.5	19.8	17.3	-	20.8
	DAY-HR	31-22	02-21	31-01	29-23	01-20	30-23	06-14	09-00	07-02	04-19	28-22	-	FEB
	MINIMUM	9.8	10.5	9.7	9.0	9.5	9.8	11.8	11.7	11.8	12.5	11.3	-	9.0
	DAY-HR	18-14	15-14	23-19	16-07	30-14	23-10	26-18	12-16	01-16	28-15	20-15	-	APR
	# OBS	737	665	738	706	740	710	739	734	715	739	663	-	7886
1996	MEAN	-	-	-	-	12.7	12.2	13.2	13.5	14.2	14.2	13.7	13.2	13.4
	MAXIMUM	-	-	-	-	18.0	16.0	17.6	16.0	16.5	16.5	16.4	16.5	18.0
	DAY-HR	-	-	-	-	28-19	03-02	28-01	13-21	21-22	15-15	09-22	17-21	MAY
	MINIMUM	-	-	-	-	10.6	9.8	11.0	11.4	11.8	10.3	10.9	10.5	9.8
	DAY-HR	-	-	-	-	30-17	01-13	03-16	23-15	02-15	28-13	11-15	08-15	JUN
	# OBS	-	-	-	-	95	714	835	789	716	736	693	739	5317
1997	MEAN	12.8	12.3	11.7	11.6	13.1	13.7	14.4	16.7	17.6	16.8	16.4	14.1	14.3
	MAXIMUM	15.7	15.3	14.9	14.5	17.0	16.7	17.0	20.7	20.7	20.3	22.7	18.0	22.7
	DAY-HR	29-23	15-21	10-11	21-02	31-21	01-00	30-02	19-20	29-01	16-21	03-01	04-22	NOV
	MINIMUM	9.5	9.5	9.4	9.3	9.4	11.4	12.0	13.7	14.9	13.7	12.1	9.4	9.3
	DAY-HR	14-21	28-18	02-13	15-16	13-14	24-16	04-16	07-17	21-14	11-17	30-18	25-15	APR
	# OBS	738	657	741	712	739	712	734	735	712	735	707	743	8665
1998	MEAN	13.9	13.3	13.0	12.0	13.0	14.3	14.5	15.5	16.1	14.9	13.4	11.3	13.8
	MAXIMUM	16.2	15.7	16.4	17.0	15.6	16.7	17.4	17.0	17.9	21.5	15.0	14.9	21.5
	DAY-HR	01-17	02-20	11-11	22-00	04-17	18-02	31-01	11-23	07-06	07-01	19-21	16-23	OCT
	MINIMUM	9.8	9.6	7.5	8.2	10.4	12.3	11.9	13.9	14.1	12.4	9.6	4.7	4.7
	DAY-HR	06-15	15-13	29-13	01-16	13-07	28-14	05-16	27-11	26-21	24-16	11-09	21-15	DEC
	# OBS	719	669	718	695	716	696	735	792	716	742	719	738	8655
1999	MEAN	12.3	11.6	10.8	11.1	11.1	11.7	13.8	13.6	14.0	14.3	13.5	-	12.3
	MAXIMUM	15.9	14.1	12.7	18.1	13.6	14.0	16.5	15.5	16.4	16.4	28.2	-	28.2
	DAY-HR	03-22	02-23	25-06	16-21	31-21	23-02	13-18	07-02	11-00	05-22	01-00	-	NOV
	MINIMUM	8.9	8.3	7.4	6.8	9.2	10.0	11.9	11.3	12.1	12.1	9.1	-	6.8
	DAY-HR	25-11	10-14	15-14	11-19	15-16	11-16	06-13	24-08	03-11	01-15	10-15	-	APR
	# OBS	741	659	721	720	744	719	735	730	716	144	361	-	6990
2000	MEAN	-	-	-	11.9	11.8	13.3	13.8	14.0	15.7	14.6	12.8	13.3	13.5
	MAXIMUM	-	-	-	14.0	15.3	16.1	16.8	16.5	21.0	17.4	15.9	18.4	21.0
	DAY-HR	-	-	-	13-23	22-02	19-00	13-03	31-23	13-23	01-01	04-04	06-00	SEP
	MINIMUM	-	-	-	8.7	9.6	10.4	11.5	11.9	11.5	10.9	9.7	9.0	8.7
	DAY-HR	-	-	-	12-13	13-14	02-14	22-13	01-11	17-15	16-14	16-11	31-17	APR
	# OBS	-	-	-	594	727	713	741	744	701	737	717	743	6417
2001	MEAN	11.9	11.4	12.0	10.9	12.7	13.3	14.2	13.7	14.4	14.1	14.1	12.1	12.9
	MAXIMUM	15.2	16.4	14.3	12.9	16.7	17.1	16.3	15.7	18.7	17.1	17.1	15.0	18.7
	DAY-HR	04-22	04-09	20-00	17-23	31-00	27-22	04-01	24-01	11-23	12-20	12-00	09-00	SEP
	MINIMUM	7.9	6.8	9.9	8.1	9.6	10.0	11.7	11.5	12.1	11.7	10.4	8.4	6.8
	DAY-HR	17-14	13-16	02-21	21-10	06-15	17-16	23-17	15-16	01-17	10-13	28-14	19-15	FEB
	# OBS	741	672	738	717	743	717	743	738	717	743	717	744	8730
POR	MEAN	12.7	12.4	12.3	12.2	12.3	13.0	14.1	14.8	15.2	15.0	14.0	12.7	13.5
	MAXIMUM	20.0	20.8	18.3	22.3	18.0	21.3	18.8	27.0	21.9	26.0	28.2	20.4	28.2
	YEAR	1983	1995	1988	1989	1996	1981	1992	1994	1982	1987	1999	1980	NOV/1999
	MINIMUM	7.0	4.7	7.2	6.8	8.9	9.5	10.0	10.9	10.8	7.6	7.5	2.4	2.4
	YEAR	1989	1989	1991	1999	1991	1991	1988	1981	1994	1986	1985	1990	DEC/1990
	# OBS	8362	8235	10821	11913	13365	13176	13702	14838	13972	12696	10675	9164	140919

STATION: 46011 -- POR (10/1980 - 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
1980	MEAN	-	-	-	-	-	-	-	-	-	14.9	14.5	14.4	14.6
	MAXIMUM	-	-	-	-	-	-	-	-	-	16.4	16.2	16.0	16.4
	DAY-HR	-	-	-	-	-	-	-	-	-	30-23	03-22	26-23	OCT
	MINIMUM	-	-	-	-	-	-	-	-	-	12.9	12.9	13.8	12.9
	DAY-HR	-	-	-	-	-	-	-	-	-	28-10	26-09	15-17	NOV
	# OBS	-	-	-	-	-	-	-	-	-	580	717	736	2033
1981	MEAN	14.5	13.5	13.5	11.5	12.0	12.9	14.9	14.2	14.9	14.3	14.6	13.9	13.7
	MAXIMUM	15.6	15.1	14.7	14.3	13.5	16.9	17.7	16.7	16.6	16.3	17.2	14.1	17.7
	DAY-HR	12-20	22-23	20-22	01-22	26-01	23-01	09-00	15-00	05-22	31-22	01-23	01-22	JUL
	MINIMUM	13.8	12.2	11.4	9.9	10.9	10.9	12.9	13.1	12.6	12.4	12.7	13.6	9.9
	DAY-HR	31-16	25-08	31-01	11-11	18-08	15-08	18-19	23-14	25-07	26-03	29-15	01-08	APR
	# OBS	733	668	733	718	739	716	741	737	702	719	718	24	7948

1982	MEAN	-	-	12.9	13.6	12.4	13.5	13.1	14.3	16.6	16.3	16.9	15.1	14.5
	MAXIMUM	-	-	14.4	16.0	15.6	16.0	15.7	17.0	19.3	19.1	18.5	16.1	19.3
	DAY-HR	-	-	11-00	12-21	04-23	30-20	03-22	28-23	21-23	24-23	03-21	01-02	SEP
	MINIMUM	-	-	12.0	11.9	10.9	11.7	11.9	12.3	13.4	14.1	15.7	13.6	10.9
	DAY-HR	-	-	29-14	19-14	18-15	12-15	25-15	12-07	05-15	09-10	02-16	09-15	MAY
	# OBS	-	-	503	718	741	719	741	741	720	742	720	744	7089
1983	MEAN	15.4	15.3	14.8	13.6	13.2	14.1	15.7	17.4	18.0	17.9	18.1	-	15.6
	MAXIMUM	17.0	16.6	16.2	14.8	15.3	16.0	18.5	18.9	20.3	20.8	18.6	-	20.8
	DAY-HR	14-22	04-23	13-00	16-21	21-01	23-23	13-23	21-23	20-20	05-22	01-23	-	OCT
	MINIMUM	14.6	14.7	13.4	12.2	11.9	12.1	13.7	15.3	15.8	15.2	17.7	-	11.9
	DAY-HR	05-15	28-18	29-09	05-14	11-09	01-19	10-11	04-16	05-15	19-15	05-19	-	MAY
	# OBS	739	671	744	647	739	708	740	744	717	742	116	-	7307
1984	MEAN	-	13.5	13.1	11.4	11.5	13.5	16.2	16.6	18.2	15.3	14.5	13.4	14.3
	MAXIMUM	-	14.4	14.4	13.9	16.3	16.0	19.1	18.8	20.7	19.2	15.9	14.7	20.7
	DAY-HR	-	14-01	06-19	15-00	31-22	01-06	19-22	18-03	14-21	02-21	06-21	07-23	SEP
	MINIMUM	-	12.5	11.9	10.0	10.0	11.5	12.9	13.7	14.2	12.4	13.3	12.8	10.0
	DAY-HR	-	28-10	30-17	30-12	06-01	11-15	02-17	06-14	01-13	31-05	01-15	27-14	MAY
	# OBS	-	421	736	717	739	718	742	742	717	743	718	743	7736
1985	MEAN	13.4	12.6	11.9	11.9	11.7	11.6	14.5	14.8	15.5	14.7	14.1	13.5	13.4
	MAXIMUM	14.3	13.6	14.2	14.4	13.2	13.7	15.4	18.5	18.4	18.6	16.4	14.5	18.6
	DAY-HR	17-21	01-23	10-00	14-00	17-21	12-22	28-02	13-22	28-00	04-00	07-20	25-23	OCT
	MINIMUM	12.5	11.7	10.3	10.4	10.4	10.4	13.4	13.0	13.7	13.0	12.4	12.6	10.3
	DAY-HR	01-12	21-15	26-17	07-03	25-12	09-14	26-02	26-12	24-15	16-07	26-05	12-06	MAR
	# OBS	743	671	742	718	743	322	297	721	694	743	720	743	7857
1986	MEAN	13.7	13.5	13.8	13.1	12.1	14.0	14.6	14.6	14.7	15.7	-	-	13.9
	MAXIMUM	14.7	15.2	15.8	15.4	14.2	16.0	16.8	16.5	16.5	17.0	-	-	17.0
	DAY-HR	07-23	26-23	19-23	20-22	03-02	12-01	25-02	16-01	17-22	12-21	-	-	OCT
	MINIMUM	12.8	12.8	12.9	11.2	10.6	12.0	11.7	12.6	13.1	14.1	-	-	10.6
	DAY-HR	25-16	15-05	26-08	30-14	25-14	30-23	01-13	26-11	01-00	09-17	-	-	MAY
	# OBS	742	668	732	717	731	716	740	741	545	335	-	-	6667
1987	MEAN	-	-	-	13.1	13.7	12.9	13.9	15.3	15.6	17.0	15.4	13.6	14.7
	MAXIMUM	-	-	-	14.1	15.9	16.8	17.3	18.8	17.5	18.6	17.2	15.1	18.8
	DAY-HR	-	-	-	30-22	21-01	14-23	21-21	22-22	30-23	11-22	06-21	01-21	AUG
	MINIMUM	-	-	-	12.7	11.2	11.1	12.6	12.6	13.4	14.9	13.0	12.5	11.1
	DAY-HR	-	-	-	30-13	31-12	01-10	31-11	03-15	15-13	11-09	26-12	25-18	JUN
	# OBS	-	-	-	26	741	717	742	743	677	678	239	248	4811
1988	MEAN	12.5	12.9	12.8	13.2	12.1	12.5	14.8	16.1	14.6	15.0	13.2	13.0	13.7
	MAXIMUM	13.3	14.9	13.8	15.1	14.1	15.0	18.3	18.6	18.0	16.5	15.1	15.1	18.6
	DAY-HR	25-21	12-00	08-21	29-00	13-00	22-22	20-23	02-21	13-20	17-01	03-09	01-23	AUG
	MINIMUM	11.6	11.7	11.9	11.9	10.3	10.4	11.5	12.8	12.5	13.6	11.2	12.0	10.3
	DAY-HR	31-15	01-15	27-15	04-15	31-15	30-10	01-11	17-08	07-14	16-05	29-09	07-16	MAY
	# OBS	246	232	247	638	743	719	736	739	717	741	718	742	7218
1989	MEAN	11.4	11.4	11.3	12.6	12.1	12.5	13.4	14.5	14.2	15.0	-	-	12.7
	MAXIMUM	12.4	13.1	12.8	15.1	14.5	18.5	15.6	16.4	15.4	16.3	-	-	18.5
	DAY-HR	01-01	26-00	08-22	07-21	01-00	29-20	11-08	17-22	29-22	08-20	-	-	JUN
	MINIMUM	10.5	11.0	10.6	10.6	10.3	10.4	11.7	12.3	12.9	13.1	-	-	10.3
	DAY-HR	20-12	28-23	28-16	02-08	29-17	01-16	19-08	02-08	19-08	01-17	-	-	MAY
	# OBS	744	670	742	719	728	716	738	735	719	383	-	-	6894
1990	MEAN	-	11.4	11.2	13.0	12.5	12.3	14.2	16.1	14.9	16.5	14.7	14.1	13.9
	MAXIMUM	-	12.8	12.6	14.6	14.4	15.0	15.9	18.1	17.7	19.1	16.3	15.6	19.1
	DAY-HR	-	22-23	30-21	09-01	30-23	20-21	19-02	10-01	24-01	05-23	01-05	13-05	OCT
	MINIMUM	-	10.6	10.5	11.1	11.3	10.5	11.8	14.4	12.6	14.4	13.0	12.0	10.5
	DAY-HR	-	21-15	23-15	01-11	28-05	13-11	03-16	20-15	17-13	14-14	08-12	31-20	JUN
	# OBS	-	243	742	714	732	713	739	743	717	741	719	742	7545
1991	MEAN	13.1	13.2	12.5	11.7	10.6	11.9	14.5	14.9	15.6	15.6	-	-	13.2
	MAXIMUM	13.7	14.6	14.0	13.3	12.0	13.2	16.9	16.9	16.6	16.1	-	-	16.9
	DAY-HR	31-01	14-23	08-23	01-22	03-00	30-01	22-05	14-18	10-23	01-01	-	-	AUG
	MINIMUM	11.6	12.1	11.4	10.3	9.2	10.0	12.4	13.1	13.5	14.8	-	-	9.2
	DAY-HR	01-05	26-09	22-21	14-18	10-12	01-12	01-13	27-10	01-11	04-16	-	-	MAY
	# OBS	741	671	743	717	744	715	743	740	720	235	-	-	6769
1992	MEAN	-	-	14.9	14.0	15.0	15.2	14.4	15.0	15.8	16.7	-	-	14.9
	MAXIMUM	-	-	16.3	15.9	16.5	18.6	17.8	18.1	17.9	17.9	-	-	18.6
	DAY-HR	-	-	30-20	29-20	23-21	30-19	13-04	30-22	30-23	01-00	-	-	JUN
	MINIMUM	-	-	14.3	12.4	12.9	11.2	11.9	12.9	13.8	16.0	-	-	11.2
	DAY-HR	-	-	20-11	23-15	01-16	18-02	24-18	04-15	25-14	02-17	-	-	JUN
	# OBS	-	-	499	719	741	715	742	733	697	132	-	-	4978
1994	MEAN	-	-	-	-	-	-	-	17.1	14.9	15.2	13.6	13.2	14.8
	MAXIMUM	-	-	-	-	-	-	-	29.2	17.6	18.9	14.9	14.4	29.2
	DAY-HR	-	-	-	-	-	-	-	06-01	25-00	08-21	15-00	23-23	AUG
	MINIMUM	-	-	-	-	-	-	-	12.8	12.6	12.8	11.8	11.8	11.8
	DAY-HR	-	-	-	-	-	-	-	10-14	04-08	16-18	27-05	10-11	DEC
	# OBS	-	-	-	-	-	-	-	715	712	738	715	735	3615

1995	MEAN	13.4	13.6	14.0	13.0	12.0	12.3	14.0	14.5	14.3	15.6	15.4	-	13.8
	MAXIMUM	14.1	15.6	15.3	15.3	14.9	15.7	16.0	16.4	16.8	18.0	16.4	-	18.0
	DAY-HR	14-03	03-01	30-21	07-22	01-21	30-23	02-02	23-22	07-23	05-23	11-21	-	OCT
	MINIMUM	12.9	12.9	12.8	9.8	10.6	10.3	11.7	12.6	12.5	13.4	14.4	-	9.8
	DAY-HR	23-18	18-20	24-17	21-16	13-00	07-14	14-12	18-08	01-18	02-17	10-20	-	APR
	# OBS	737	665	738	707	739	709	740	731	715	739	663	-	7883
1996	MEAN	-	-	-	-	13.0	12.2	13.8	14.0	15.6	14.4	13.8	13.3	13.9
	MAXIMUM	-	-	-	-	26.1	14.4	16.8	15.9	19.5	16.8	14.9	14.4	26.1
	DAY-HR	-	-	-	-	28-19	27-21	30-01	15-01	24-23	01-23	23-01	19-04	MAY
	MINIMUM	-	-	-	-	10.1	10.5	12.1	12.4	12.6	12.1	12.6	12.1	10.1
	DAY-HR	-	-	-	-	29-13	01-09	06-17	24-15	02-13	28-15	16-16	04-13	MAY
	# OBS	-	-	-	-	95	713	835	789	716	736	693	739	5316
1997	MEAN	13.3	12.5	11.9	11.5	12.8	13.6	15.2	16.9	18.0	17.5	18.0	16.4	14.8
	MAXIMUM	14.5	14.1	14.1	12.9	16.0	15.7	17.5	19.1	19.6	20.5	20.3	17.3	20.5
	DAY-HR	31-00	15-01	22-00	19-04	23-22	16-02	29-21	16-22	29-20	01-13	05-03	08-11	OCT
	MINIMUM	12.6	10.2	10.0	9.8	9.5	11.8	12.9	14.5	15.6	15.7	16.8	15.2	9.5
	DAY-HR	15-12	28-18	04-17	30-17	06-06	07-11	08-13	07-17	16-13	13-16	28-18	30-18	MAY
	# OBS	738	657	741	713	739	712	734	735	712	735	707	743	8666
1998	MEAN	15.5	14.8	14.0	13.0	13.1	14.4	15.5	17.1	16.8	15.2	13.8	12.4	14.6
	MAXIMUM	16.4	15.7	15.3	15.6	14.6	17.0	18.7	18.7	18.3	18.3	14.7	13.5	18.7
	DAY-HR	09-00	10-22	22-20	22-00	31-21	21-20	26-02	12-21	08-22	06-23	17-21	01-22	AUG
	MINIMUM	14.8	13.7	13.4	11.4	11.8	12.2	11.6	15.0	15.6	13.4	12.8	11.5	11.4
	DAY-HR	22-15	28-19	29-12	20-09	21-14	30-23	04-18	02-09	21-14	15-17	12-13	25-00	APR
	# OBS	719	669	718	695	716	696	736	789	716	741	720	738	8653
1999	MEAN	13.2	12.2	11.4	11.6	11.3	12.4	14.5	13.4	15.0	15.0	14.2	-	12.9
	MAXIMUM	14.3	13.2	12.7	14.3	14.5	15.6	16.7	15.2	16.9	16.5	16.0	-	16.9
	DAY-HR	04-22	21-00	11-22	17-22	31-22	24-21	13-21	07-00	11-00	07-00	15-21	-	SEP
	MINIMUM	11.3	11.5	10.5	10.5	9.6	10.6	12.3	11.9	12.5	14.2	13.4	-	9.6
	DAY-HR	02-16	28-17	07-13	23-03	15-16	19-12	31-15	05-10	02-08	02-17	02-14	-	MAY
	# OBS	741	659	721	718	744	720	735	732	717	144	361	-	6992
2000	MEAN	-	-	-	11.6	11.0	13.7	14.3	14.5	16.2	15.5	13.6	13.6	13.8
	MAXIMUM	-	-	-	13.7	13.7	17.3	16.5	16.2	18.5	17.9	15.7	15.0	18.5
	DAY-HR	-	-	-	19-00	25-01	22-00	14-01	31-22	02-20	01-23	01-00	02-23	SEP
	MINIMUM	-	-	-	10.6	9.9	11.0	12.2	12.7	14.0	13.5	11.9	12.5	9.9
	DAY-HR	-	-	-	30-19	06-09	13-16	30-14	03-10	10-10	25-13	26-12	28-08	MAY
	# OBS	-	-	-	594	727	712	740	744	701	734	716	743	6411
2001	MEAN	13.2	12.0	12.4	11.6	13.0	13.7	14.5	13.8	15.5	14.7	15.0	12.4	13.5
	MAXIMUM	14.3	13.0	14.2	13.7	16.6	17.5	17.4	15.3	19.9	16.3	16.4	14.3	19.9
	DAY-HR	04-22	05-00	23-00	05-21	31-00	27-23	08-23	31-00	11-23	31-22	03-23	09-00	SEP
	MINIMUM	12.3	10.8	11.2	10.4	10.5	11.5	12.9	12.0	12.5	12.9	12.9	11.0	10.4
	DAY-HR	31-17	13-10	31-13	30-11	02-10	14-15	23-18	25-12	30-16	01-13	30-17	16-16	APR
	# OBS	741	672	738	717	742	717	743	736	715	743	717	744	8725
POR	MEAN	13.6	13.1	12.9	12.5	12.3	13.2	14.5	15.3	15.8	15.6	14.7	13.7	14.0
	MAXIMUM	17.0	16.6	16.3	16.0	26.1	18.6	19.1	29.2	20.7	20.8	20.3	17.3	29.2
	YEAR	1983	1983	1992	1982	1996	1992	1994	1994	1984	1983	1997	1997	AUG/1994
	MINIMUM	10.5	10.2	10.0	9.8	9.2	10.0	11.5	11.9	12.5	12.1	11.2	11.0	9.2
	YEAR	1989	1997	1997	1997	1991	1991	1988	1999	2001	1996	1988	2001	MAY/1991
	# OBS	8364	8237	10819	11912	13363	13173	13704	14830	14046	12824	10677	9164	141113

STATION: 46011 -- POR (2/1989 - 12/2001)

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1989	MEAN	-	6.8	9.4	-	9.6	11.1	11.7	10.4	-	4.3	-	-	10.0
	MAXIMUM	-	12.1	13.8	-	12.0	14.9	14.7	13.7	-	5.2	-	-	14.9
	DAY-HR	-	25-23	11-19	-	17-20	30-22	01-00	03-20	-	03-11	-	-	JUN
	MINIMUM	-	-11.1	1.0	-	6.2	8.8	10.5	7.5	-	3.6	-	-	-11.1
	DAY-HR	-	07-21	04-10	-	24-17	10-17	31-05	29-16	-	03-12	-	-	FEB
	# OBS	-	669	287	-	338	716	738	734	-	3	-	-	3485
1990	MEAN	-	7.8	10.1	11.5	11.2	12.0	-	15.3	14.3	12.6	10.2	7.0	11.8
	MAXIMUM	-	12.4	11.7	14.1	14.8	13.7	-	17.5	17.3	17.1	14.7	12.1	17.5
	DAY-HR	-	25-07	21-17	23-19	30-23	04-03	-	28-02	22-20	04-20	12-22	04-08	AUG
	MINIMUM	-	-0.8	7.4	7.7	8.2	10.2	-	13.0	11.8	6.0	-0.2	0.0	-0.8
	DAY-HR	-	19-12	29-16	30-08	24-16	01-15	-	24-15	15-15	16-15	28-16	26-18	FEB
	# OBS	-	171	296	713	696	174	-	370	717	374	603	97	4211
1991	MEAN	8.6	10.8	8.1	9.2	9.2	10.5	13.1	13.9	13.9	14.0	-	-	10.7
	MAXIMUM	12.3	13.8	13.5	12.1	11.2	13.2	14.8	17.7	15.8	16.1	-	-	17.7
	DAY-HR	14-00	15-09	05-01	22-01	30-17	28-07	27-22	13-23	06-21	08-23	-	-	AUG

	MINIMUM	3.4	7.0	2.9	0.4	6.2	8.3	11.2	11.8	11.1	12.9	-	-	0.4
	DAY-HR	22-17	02-12	11-20	11-17	01-20	14-15	03-14	26-18	09-21	10-05	-	-	APR
	# OBS	460	671	743	717	744	714	389	453	720	234	-	-	5845
1998	MEAN	-	-	-	-	10.9	12.0	7.9	-	-	-	-	-	10.6
	MAXIMUM	-	-	-	-	12.8	14.5	12.2	-	-	-	-	-	14.5
	DAY-HR	-	-	-	-	28-21	18-05	06-23	-	-	-	-	-	JUN
	MINIMUM	-	-	-	-	9.4	9.1	-1.5	-	-	-	-	-	-1.5
	DAY-HR	-	-	-	-	30-15	11-14	15-23	-	-	-	-	-	JUL
	# OBS	-	-	-	-	80	696	358	-	-	-	-	-	1134
1999	MEAN	-	-	-	7.9	8.9	10.3	12.1	12.6	12.6	12.5	10.8	-	11.3
	MAXIMUM	-	-	-	11.7	11.2	12.6	15.1	14.3	14.3	15.1	14.0	-	15.1
	DAY-HR	-	-	-	13-01	24-04	24-00	14-11	11-23	23-18	06-23	02-03	-	OCT
	MINIMUM	-	-	-	2.6	5.9	7.2	10.0	10.5	10.5	10.5	0.6	-	0.6
	DAY-HR	-	-	-	11-19	15-16	03-19	28-17	31-02	01-03	03-19	01-03	-	NOV
	# OBS	-	-	-	112	606	719	735	729	716	144	352	-	4113
2000	MEAN	-	-	-	10.1	10.6	12.3	12.3	13.1	14.4	12.7	9.4	10.5	11.7
	MAXIMUM	-	-	-	13.3	14.2	14.9	13.6	15.4	18.2	15.9	13.8	14.0	18.2
	DAY-HR	-	-	-	13-21	24-02	19-00	13-09	31-21	14-20	10-03	05-01	08-06	SEP
	MINIMUM	-	-	-	6.3	5.9	8.5	10.4	11.4	11.0	6.0	0.8	3.9	0.8
	DAY-HR	-	-	-	28-17	11-17	05-11	03-19	09-17	10-19	22-17	18-20	27-18	NOV
	# OBS	-	-	-	594	727	713	741	744	701	736	717	743	6416
2001	MEAN	7.9	7.9	10.2	8.6	11.9	12.4	13.3	13.4	13.7	13.7	13.0	10.3	11.4
	MAXIMUM	13.1	12.6	13.9	12.1	15.5	15.5	15.5	15.3	17.3	16.2	17.0	13.6	17.3
	DAY-HR	11-01	22-07	20-00	21-02	31-04	21-02	04-10	24-02	12-03	30-19	12-04	09-03	SEP
	MINIMUM	-2.2	-4.3	5.2	1.5	8.5	9.7	10.4	11.5	11.6	11.3	4.5	0.1	-4.3
	DAY-HR	16-22	08-20	09-15	03-17	04-11	03-16	11-19	15-16	28-07	24-15	27-18	15-19	FEB
	# OBS	740	672	737	717	743	717	743	737	716	743	717	744	8726
POR	MEAN	8.1	8.4	9.3	9.8	10.3	11.4	12.0	12.9	13.8	13.1	10.9	10.2	11.2
	MAXIMUM	13.1	13.8	13.9	14.1	15.5	15.5	15.5	17.7	18.2	17.1	17.0	14.0	18.2
	YEAR	2001	1991	2001	1990	2001	2001	2001	1991	2000	1990	2000	2000	SEP/2000
	MINIMUM	-2.2	-11.1	1.0	0.4	5.9	7.2	-1.5	7.5	10.5	3.6	-0.2	0.0	-11.1
	YEAR	2001	1989	1989	1991	2000	1999	1998	1989	1999	1989	1990	1990	FEB/1989
	# OBS	1200	2183	2063	2853	3934	4449	3704	3767	3570	2234	2389	1584	33930

STATION: 46011 -- POR (10/1980 - 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
1980	MEAN	-	-	-	-	-	-	-	-	-	1016.2	1018.8	1018.3	1017.9
	MAXIMUM	-	-	-	-	-	-	-	-	-	1024.7	1026.7	1026.4	1026.7
	DAY-HR	-	-	-	-	-	-	-	-	-	29-17	25-19	10-18	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	1009.6	1009.9	1008.1	1008.1
	DAY-HR	-	-	-	-	-	-	-	-	-	09-02	10-01	04-03	DEC
	# OBS	-	-	-	-	-	-	-	-	-	580	717	736	2033
1981	MEAN	1017.5	1017.9	1016.2	1016.0	1013.8	1012.0	1013.5	1012.3	1013.8	1015.2	1017.1	1023.1	1015.0
	MAXIMUM	1026.9	1026.2	1024.1	1023.8	1018.3	1016.8	1017.7	1018.3	1019.2	1023.1	1025.6	1024.3	1026.9
	DAY-HR	31-19	01-07	22-20	04-20	21-18	13-19	31-19	15-19	24-20	31-19	30-18	01-08	JAN
	MINIMUM	1007.5	1008.6	1002.9	1008.9	1010.4	1006.5	1009.5	1005.2	1008.2	1008.9	1004.8	1020.1	1002.9
	DAY-HR	28-00	09-05	01-13	29-13	11-12	05-03	06-12	28-12	05-02	01-03	27-12	01-23	MAR
	# OBS	730	668	733	718	739	716	741	737	702	719	718	24	7945
1982	MEAN	-	-	1014.0	1017.2	1014.0	1014.4	1014.5	1014.7	1012.1	1016.1	1014.8	1017.5	1014.9
	MAXIMUM	-	-	1025.2	1023.4	1021.6	1018.1	1019.0	1018.4	1018.0	1024.1	1023.8	1026.7	1026.7
	DAY-HR	-	-	19-20	04-18	06-18	07-20	28-16	20-19	01-18	27-18	11-18	16-08	DEC
	MINIMUM	-	-	1003.5	1010.5	1008.4	1009.2	1009.0	1009.2	1006.9	1008.4	998.6	1001.6	998.6
	DAY-HR	-	-	17-22	20-13	26-13	30-02	15-10	02-01	29-23	30-15	30-13	01-00	NOV
	# OBS	-	-	504	718	742	719	741	741	720	742	720	744	7091
1983	MEAN	1016.3	1015.1	1013.5	1014.2	1015.3	1013.3	1013.9	1015.4	1013.2	1016.1	1017.5	-	1014.7
	MAXIMUM	1026.6	1024.4	1023.5	1021.4	1025.0	1018.9	1018.9	1020.8	1020.0	1021.3	1021.9	-	1026.6
	DAY-HR	01-18	13-19	30-07	22-19	02-18	28-07	09-17	25-19	25-18	10-17	02-18	-	JAN
	MINIMUM	996.0	999.8	991.9	1000.4	1007.7	1007.0	1009.3	1010.3	1006.3	1007.7	1014.9	-	991.9
	DAY-HR	29-04	02-21	03-12	18-11	31-23	01-01	16-10	09-02	30-13	01-01	05-00	-	MAR
	# OBS	739	671	744	647	739	708	740	744	717	742	116	-	7307
1984	MEAN	-	1020.8	1017.8	1016.9	1015.2	1014.3	1013.6	1014.5	1012.0	1016.7	1019.2	1016.4	1015.9
	MAXIMUM	-	1026.3	1026.4	1024.8	1021.3	1019.2	1020.6	1019.3	1018.0	1025.1	1026.7	1026.3	1026.7
	DAY-HR	-	17-19	18-09	29-22	02-19	07-17	24-20	29-16	27-19	18-18	09-18	30-07	NOV
	MINIMUM	-	1015.9	1010.1	1007.8	1010.4	1009.4	1007.4	1009.3	1002.9	1008.7	1006.5	1007.4	1002.9
	DAY-HR	-	23-01	30-01	06-11	26-02	10-03	07-02	09-12	22-01	17-04	13-05	27-13	SEP
	# OBS	-	421	736	719	739	718	742	743	717	743	718	743	7739

1985	MEAN	1021.2	1019.4	1019.9	1016.9	1016.4	1015.2	1014.8	1015.4	1015.0	1015.4	1016.6	1021.3	1017.6
	MAXIMUM	1028.6	1028.2	1028.6	1022.6	1021.3	1019.8	1018.0	1019.0	1020.1	1021.8	1027.5	1028.2	1028.6
	DAY-HR	02-18	11-19	30-19	29-18	17-19	01-19	19-20	12-10	12-10	19-17	19-17	13-19	MAR
	MINIMUM	1015.7	1009.0	1013.5	1009.3	1011.1	1010.5	1011.0	1010.1	1008.9	1008.0	1001.0	1008.0	1001.0
	DAY-HR	08-12	21-01	02-23	26-03	15-12	10-11	24-11	16-12	18-12	09-12	25-14	02-15	NOV
	# OBS	743	671	742	718	743	322	297	721	694	743	720	743	7857
1986	MEAN	1020.2	1017.8	1017.5	1016.9	1014.5	1014.5	1016.1	1014.0	1013.1	-	-	-	1016.3
	MAXIMUM	1030.1	1026.6	1027.1	1024.6	1020.9	1018.7	1021.8	1018.1	1015.2	-	-	-	1030.1
	DAY-HR	08-18	21-18	21-07	17-19	04-19	14-18	19-18	21-19	01-18	-	-	-	JAN
	MINIMUM	1005.9	1004.2	1003.0	1009.7	1009.8	1010.3	1011.5	1010.1	1011.0	-	-	-	1003.0
	DAY-HR	30-15	14-22	16-13	05-14	25-13	09-11	22-00	24-03	07-01	-	-	-	MAR
	# OBS	742	668	732	717	731	716	740	741	230	-	-	-	6017
1987	MEAN	-	-	-	1015.8	1014.7	1015.1	1013.4	1015.0	1015.2	1015.9	1018.3	1018.7	1015.2
	MAXIMUM	-	-	-	1019.2	1019.8	1019.9	1018.5	1019.9	1019.8	1022.9	1024.8	1026.5	1026.5
	DAY-HR	-	-	-	30-19	01-18	13-16	01-20	22-19	14-18	25-17	19-18	30-18	DEC
	MINIMUM	-	-	-	1012.8	1010.8	1010.0	1009.3	1009.7	1009.9	1007.7	1007.1	996.3	996.3
	DAY-HR	-	-	-	30-06	13-13	23-02	09-12	06-02	12-03	31-21	01-00	17-03	DEC
	# OBS	-	-	-	26	741	717	740	743	653	678	239	248	4785
1988	MEAN	1020.4	1018.6	1018.9	1016.0	1017.3	1015.4	1015.5	1013.6	1014.3	1016.7	1019.8	1021.2	1016.9
	MAXIMUM	1029.6	1026.1	1026.2	1024.0	1025.9	1022.9	1020.0	1019.2	1022.1	1023.9	1026.9	1029.4	1029.6
	DAY-HR	20-18	05-18	09-18	24-19	01-18	08-07	21-18	03-19	26-18	08-18	29-18	27-07	JAN
	MINIMUM	987.9	1011.3	1011.0	1006.1	1011.5	1009.8	1010.4	1007.4	1008.5	1012.3	1010.3	1009.8	987.9
	DAY-HR	17-21	28-00	31-00	21-12	19-02	30-01	01-03	31-03	01-00	27-11	25-11	15-22	JAN
	# OBS	246	232	248	638	743	719	736	739	717	741	718	742	7219
1989	MEAN	1022.1	1021.5	1019.1	1016.9	1017.1	1015.0	1015.7	1014.7	1014.1	1016.2	-	-	1017.3
	MAXIMUM	1034.5	1030.8	1026.3	1023.9	1022.9	1020.5	1021.3	1018.8	1019.3	1020.1	-	-	1034.5
	DAY-HR	08-18	10-19	05-17	03-18	23-17	29-20	12-20	05-18	29-18	07-06	-	-	JAN
	MINIMUM	1011.2	1011.4	1007.6	1009.7	1010.9	1006.9	1010.7	1010.8	1009.5	1010.2	-	-	1006.9
	DAY-HR	23-14	28-12	02-16	09-03	09-12	23-09	21-03	31-03	23-01	05-11	-	-	JUN
	# OBS	744	670	742	719	729	716	738	736	719	286	-	-	6799
1990	MEAN	-	1022.3	1018.6	1016.2	1015.8	1014.8	1014.7	1015.8	1014.8	1015.9	1018.8	1019.8	1016.7
	MAXIMUM	-	1027.4	1026.7	1023.5	1020.8	1020.5	1019.0	1020.6	1019.9	1021.4	1026.0	1027.2	1027.4
	DAY-HR	-	20-17	14-18	10-19	20-21	18-19	26-18	27-18	25-18	09-17	29-06	23-18	FEB
	MINIMUM	-	1017.7	1012.3	1007.7	1006.5	1008.0	1010.0	1012.3	1009.6	1010.9	1009.6	1009.5	1006.5
	DAY-HR	-	25-12	09-12	16-12	28-11	29-02	15-11	24-02	20-13	03-02	20-00	20-01	MAY
	# OBS	-	243	742	714	732	713	739	743	718	741	718	742	7545
1991	MEAN	1020.7	1018.8	1016.0	1018.3	1016.7	1015.2	1015.7	1016.6	1014.6	1014.7	-	-	1016.9
	MAXIMUM	1027.9	1028.3	1025.2	1024.6	1022.1	1019.1	1020.8	1021.1	1020.6	1020.4	-	-	1028.3
	DAY-HR	12-18	19-19	12-06	02-16	12-06	19-19	27-20	12-19	30-18	01-06	-	-	FEB
	MINIMUM	1012.1	994.7	994.2	1012.0	1009.5	1009.2	1008.8	1010.0	1009.0	1010.1	-	-	994.2
	DAY-HR	09-14	28-15	01-11	30-03	31-03	01-02	01-12	10-01	06-03	03-12	-	-	MAR
	# OBS	741	671	743	717	744	715	743	740	720	235	-	-	6769
1992	MEAN	-	-	1015.1	1015.7	1014.1	1013.4	1014.5	1014.9	1013.3	1013.2	-	-	1014.4
	MAXIMUM	-	-	1019.8	1019.9	1020.3	1021.3	1019.1	1020.3	1018.6	1015.4	-	-	1021.3
	DAY-HR	-	-	24-18	06-19	07-19	12-18	25-20	26-19	03-18	01-18	-	-	JUN
	MINIMUM	-	-	1006.5	1011.1	1006.4	1007.6	1009.8	1006.1	1006.6	1010.5	-	-	1006.1
	DAY-HR	-	-	21-02	02-02	10-02	06-11	03-12	24-02	26-00	04-12	-	-	AUG
	# OBS	-	-	499	719	741	716	742	733	697	132	-	-	4979
1994	MEAN	-	-	-	-	-	-	-	1013.2	1014.6	1013.2	1018.3	1018.2	1015.5
	MAXIMUM	-	-	-	-	-	-	-	1018.4	1019.5	1019.7	1028.7	1027.5	1028.7
	DAY-HR	-	-	-	-	-	-	-	25-19	05-19	24-18	27-18	08-18	NOV
	MINIMUM	-	-	-	-	-	-	-	1008.6	1008.1	1002.2	1008.2	1010.6	1002.2
	DAY-HR	-	-	-	-	-	-	-	08-01	30-23	15-02	12-00	24-00	OCT
	# OBS	-	-	-	-	-	-	-	716	712	739	715	735	3617
1995	MEAN	1015.9	1017.4	1015.5	1016.0	1014.6	1013.6	1013.9	1011.2	1013.0	1013.5	1017.4	-	1014.7
	MAXIMUM	1025.1	1024.2	1024.2	1021.4	1020.4	1018.9	1018.5	1017.4	1017.2	1021.7	1021.3	-	1025.1
	DAY-HR	30-19	18-17	13-17	08-18	09-19	17-20	22-18	21-18	12-17	20-18	17-18	-	JAN
	MINIMUM	997.9	1004.0	1000.9	1007.7	1006.9	1007.7	1008.7	1005.4	1008.5	1006.1	1009.4	-	997.9
	DAY-HR	05-01	14-14	10-15	16-12	13-13	26-03	31-02	10-02	15-13	05-00	01-12	-	JAN
	# OBS	737	664	738	707	740	710	738	733	715	739	664	-	7885
1996	MEAN	-	-	-	-	1014.3	1013.6	1013.4	1013.2	1012.3	1014.1	1016.9	1017.8	1014.4
	MAXIMUM	-	-	-	-	1016.5	1017.5	1018.8	1017.9	1017.7	1023.4	1023.5	1027.0	1027.0
	DAY-HR	-	-	-	-	30-20	28-17	22-20	19-19	28-18	22-07	24-18	23-19	DEC
	MINIMUM	-	-	-	-	1010.9	1008.8	1009.1	1008.2	1006.6	1006.8	1006.6	1000.9	1000.9
	DAY-HR	-	-	-	-	28-02	19-09	09-03	31-04	06-02	29-22	22-00	09-23	DEC
	# OBS	-	-	-	-	95	713	835	789	716	736	693	739	5316
1997	MEAN	1018.1	1018.3	1017.6	1015.6	1013.7	1012.1	1013.7	1013.9	1011.1	1014.2	1014.3	1017.4	1015.0
	MAXIMUM	1025.8	1024.5	1026.2	1020.8	1018.4	1018.1	1018.7	1018.1	1018.8	1021.3	1024.8	1031.4	1031.4
	DAY-HR	17-18	13-19	18-18	07-18	05-19	30-20	31-19	21-20	26-19	30-17	17-18	12-06	DEC
	MINIMUM	1002.6	1001.6	1009.5	1007.1	1009.6	1002.6	1007.9	1008.8	1003.9	1007.3	1000.0	998.0	998.0
	DAY-HR	13-04	28-01	11-13	04-01	19-02	07-02	03-02	31-11	25-14	06-02	26-12	06-12	DEC
	# OBS	738	657	741	713	739	712	734	735	712	735	707	743	8666

1998	MEAN	1016.7	1013.1	1014.6	1016.4	1015.6	1015.5	1014.2	1013.9	1011.0	1014.7	1017.8	1021.9	1015.5
	MAXIMUM	1024.3	1024.2	1021.2	1024.1	1021.4	1022.5	1017.9	1019.1	1017.2	1021.3	1024.2	1030.9	1030.9
	DAY-HR	14-19	10-19	09-19	08-18	29-18	13-19	07-20	13-18	23-18	23-17	24-18	10-18	DEC
	MINIMUM	1005.6	986.6	1005.2	1004.2	1004.5	1008.2	1008.6	1008.0	1003.8	1008.5	1003.6	1013.1	986.6
	DAY-HR	09-22	03-12	25-13	11-17	13-06	17-01	16-11	31-23	03-10	15-04	28-13	30-23	FEB
	# OBS	719	669	718	695	716	696	737	792	716	741	719	738	8656
1999	MEAN	1019.7	1021.5	1016.8	1016.3	1015.7	1014.0	1014.7	1013.9	1012.3	1014.1	1017.4	-	1016.1
	MAXIMUM	1027.2	1029.9	1022.8	1028.7	1019.9	1020.0	1021.1	1019.4	1017.4	1018.2	1020.7	-	1029.9
	DAY-HR	28-18	10-19	28-19	09-18	31-16	05-19	23-18	17-19	25-19	04-18	08-18	-	FEB
	MINIMUM	1008.8	1010.8	1006.2	1006.1	1010.9	1008.3	1008.5	1006.8	1008.4	1010.2	1013.4	-	1006.1
	DAY-HR	25-09	05-00	25-11	23-01	13-02	21-13	02-03	26-16	15-11	02-01	08-02	-	APR
	# OBS	741	659	721	719	744	719	735	730	716	144	361	-	6989
2000	MEAN	-	-	-	1017.5	1015.2	1014.2	1015.8	1014.5	1012.7	1014.8	1018.6	1019.9	1015.9
	MAXIMUM	-	-	-	1022.1	1022.0	1020.3	1020.8	1018.7	1019.4	1022.9	1027.2	1028.8	1028.8
	DAY-HR	-	-	-	19-18	11-18	03-21	13-20	19-18	27-19	13-17	18-19	15-18	DEC
	MINIMUM	-	-	-	1009.3	1010.9	1005.9	1011.0	1009.2	1005.0	1007.3	1008.3	1014.6	1005.0
	DAY-HR	-	-	-	17-13	22-09	17-03	31-03	14-02	22-03	22-23	06-23	12-13	SEP
	# OBS	-	-	-	594	727	712	740	744	701	736	716	743	6413
2001	MEAN	1019.7	1017.0	1016.5	1017.5	1014.5	1014.5	1015.0	1014.9	1013.2	1015.9	1017.7	1019.9	1016.4
	MAXIMUM	1028.0	1027.6	1023.0	1025.5	1019.7	1021.4	1019.7	1020.1	1016.9	1022.6	1023.6	1028.6	1028.6
	DAY-HR	17-19	02-06	08-20	22-19	13-19	27-19	08-20	13-18	21-16	29-18	19-19	06-17	DEC
	MINIMUM	1005.5	1001.2	1007.1	1011.6	1008.8	1008.8	1009.6	1007.4	1006.5	1007.8	1007.7	1009.5	1001.2
	DAY-HR	11-01	13-13	06-05	03-01	03-02	14-01	03-03	29-02	30-03	01-00	29-13	11-00	FEB
	# OBS	741	672	738	717	743	717	743	737	715	743	717	744	8727
POR	MEAN	1019.0	1018.3	1016.7	1016.5	1015.2	1014.2	1014.5	1014.3	1013.3	1015.2	1017.6	1019.1	1015.8
	MAXIMUM	1034.5	1030.8	1028.6	1028.7	1025.9	1022.9	1021.8	1021.1	1022.1	1025.1	1028.7	1031.4	1034.5
	YEAR	1989	1989	1985	1999	1988	1988	1991	1988	1984	1984	1994	1997	JAN/1989
	MINIMUM	987.9	986.6	991.9	1000.4	1004.5	1002.6	1007.4	1005.2	1002.9	1002.2	998.6	996.3	986.6
	YEAR	1988	1998	1983	1983	1998	1997	1984	1981	1984	1994	1982	1987	FEB/1998
	# OBS	8361	8236	10821	11915	13367	13174	13701	14837	13707	12395	10676	9164	140354

STATION: 46011 -- POR (10/1980 - 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
1980	MEAN	-	-	-	-	-	-	-	-	-	9.9	10.3	8.9	9.7
	MAXIMUM	-	-	-	-	-	-	-	-	-	24.1	23.3	29.9	29.9
	DAY-HR	-	-	-	-	-	-	-	-	-	15-02	10-01	04-01	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	0.2	0.0	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	-	30-21	17-21	30-19	DEC
	# OBS	-	-	-	-	-	-	-	-	-	580	717	736	2033
1981	MEAN	8.7	9.4	12.6	13.0	14.1	11.7	8.6	11.2	10.7	10.5	8.1	13.4	10.9
	MAXIMUM	26.4	27.0	28.8	25.3	25.1	29.5	22.2	23.7	23.9	24.5	25.9	22.2	29.5
	DAY-HR	27-23	28-18	27-03	09-04	23-23	13-02	12-23	21-01	29-13	30-02	25-03	01-00	JUN
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	8.9	0.0
	DAY-HR	12-07	24-03	25-19	30-07	25-16	22-08	05-17	11-13	25-09	31-10	24-09	01-10	NOV
	# OBS	733	668	726	719	738	716	741	737	701	612	439	20	7550
1982	MEAN	-	-	10.9	11.8	9.7	10.9	11.8	11.1	10.9	10.1	9.0	10.8	10.7
	MAXIMUM	-	-	25.5	26.6	26.0	25.3	26.2	24.9	27.4	28.0	30.3	29.0	30.3
	DAY-HR	-	-	15-11	16-01	17-23	02-22	04-23	02-00	26-13	27-02	30-13	01-04	NOV
	MINIMUM	-	-	0.0	0.0	0.0	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0
	DAY-HR	-	-	27-17	22-15	31-18	23-21	16-14	27-15	18-04	21-11	26-01	29-20	DEC
	# OBS	-	-	504	717	741	719	741	738	718	740	713	743	7074
1983	MEAN	8.3	-	-	13.5	14.2	13.0	13.9	10.8	8.6	10.1	13.2	-	11.7
	MAXIMUM	22.7	-	-	31.5	28.6	25.3	28.0	22.4	20.8	25.3	24.9	-	31.5
	DAY-HR	22-11	-	-	03-02	09-02	12-01	08-22	23-23	03-12	13-17	05-06	-	APR
	MINIMUM	0.0	-	-	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	15-18	-	-	27-04	20-07	22-18	28-16	20-18	29-14	29-07	01-00	-	OCT
	# OBS	543	-	-	627	739	707	738	743	712	736	116	-	5661
1984	MEAN	-	14.1	14.3	17.2	15.8	13.5	8.7	10.7	8.7	13.5	10.3	11.1	12.4
	MAXIMUM	-	30.3	31.1	34.2	28.6	28.0	26.0	25.9	24.7	25.3	28.6	36.9	36.9
	DAY-HR	-	25-06	27-04	26-04	15-03	29-23	26-05	30-19	06-21	01-04	28-04	13-02	DEC
	MINIMUM	-	0.4	0.2	0.6	1.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	-	28-04	07-15	04-15	22-16	22-16	19-15	25-19	27-10	25-16	24-07	29-18	DEC
	# OBS	-	421	736	711	642	277	742	742	717	743	718	743	7192
1985	MEAN	7.5	10.0	12.5	11.7	12.2	12.7	10.0	9.1	8.7	10.9	11.2	7.2	10.2
	MAXIMUM	22.0	28.6	30.1	34.2	26.6	25.3	18.5	22.4	22.6	23.1	24.9	26.4	34.2

	DAY-HR	07-17	21-03	02-16	26-03	04-02	09-22	23-01	25-20	15-02	21-14	11-02	02-15	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	22-05	26-11	17-18	28-06	31-19	10-18	25-09	21-17	27-02	20-21	12-22	31-07	DEC
	# OBS	743	671	742	690	743	263	297	721	694	743	720	743	7770
1986	MEAN	8.9	12.0	9.7	12.2	11.6	11.8	7.5	8.9	8.0	7.3	-	-	10.0
	MAXIMUM	25.5	37.1	32.1	28.2	25.3	26.4	18.9	18.1	18.1	19.4	-	-	37.1
	DAY-HR	29-15	14-21	15-18	02-06	08-02	19-00	18-23	23-04	09-01	18-03	-	-	FEB
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0
	DAY-HR	28-17	10-07	30-08	08-07	30-16	24-17	24-18	24-19	23-05	22-09	-	-	OCT
	# OBS	742	668	732	717	731	716	740	741	545	335	-	-	6667
1987	MEAN	-	-	-	11.0	11.8	10.6	12.1	7.0	10.7	8.0	11.1	13.8	10.3
	MAXIMUM	-	-	-	20.6	25.1	26.2	26.6	17.1	25.5	23.3	26.4	39.5	39.5
	DAY-HR	-	-	-	30-08	03-00	23-02	08-10	24-06	11-01	13-01	14-09	16-09	DEC
	MINIMUM	-	-	-	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
	DAY-HR	-	-	-	30-15	20-13	26-16	16-12	21-16	17-16	25-05	19-06	04-06	OCT
	# OBS	-	-	-	26	741	717	743	743	677	678	239	248	4812
1988	MEAN	11.0	10.8	15.2	11.2	15.9	11.9	8.8	8.9	9.1	8.4	10.9	8.2	10.7
	MAXIMUM	39.3	26.0	31.3	32.5	34.4	25.5	25.3	27.6	22.7	24.7	27.2	21.4	39.3
	DAY-HR	18-03	29-09	10-00	30-23	01-00	28-23	16-00	16-02	03-20	10-22	18-02	16-13	JAN
	MINIMUM	0.2	0.0	1.4	0.0	1.6	0.8	0.6	0.2	0.2	1.2	0.2	0.8	0.0
	DAY-HR	28-15	15-09	08-12	27-00	20-14	13-18	18-04	22-18	30-03	24-18	02-19	12-16	APR
	# OBS	246	232	248	638	743	716	736	739	717	741	718	372	6846
1989	MEAN	7.7	10.4	13.8	9.6	15.1	12.0	13.6	8.7	10.2	10.2	-	-	11.5
	MAXIMUM	17.9	32.1	28.6	24.7	29.7	26.2	28.6	22.7	22.4	21.2	-	-	32.1
	DAY-HR	29-03	08-23	14-03	03-22	24-03	15-00	15-00	01-00	21-01	16-22	-	-	FEB
	MINIMUM	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0
	DAY-HR	29-18	26-00	08-17	30-11	17-19	30-07	23-04	22-10	18-09	08-17	-	-	OCT
	# OBS	156	670	741	719	729	716	739	735	719	383	-	-	6307
1990	MEAN	-	7.5	11.4	11.7	10.0	13.0	9.0	9.4	11.1	8.7	9.1	10.0	10.2
	MAXIMUM	-	20.6	22.6	27.6	22.9	24.9	21.6	22.9	23.7	23.7	28.8	26.8	28.8
	DAY-HR	-	19-03	11-17	30-03	25-01	04-21	06-23	17-23	08-23	20-01	26-09	19-23	NOV
	MINIMUM	-	1.0	0.2	0.6	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
	DAY-HR	-	25-12	30-11	04-03	27-09	20-13	16-11	26-19	29-22	18-12	28-20	10-03	DEC
	# OBS	-	243	742	714	732	713	739	743	718	741	718	742	7545
1991	MEAN	8.1	10.4	12.8	15.0	14.0	10.4	7.3	11.5	7.2	7.7	-	-	10.6
	MAXIMUM	23.5	26.6	31.9	33.4	28.6	22.6	18.7	25.9	20.0	20.8	-	-	33.4
	DAY-HR	16-04	18-03	17-18	11-01	31-03	20-04	01-02	22-23	01-21	01-23	-	-	APR
	MINIMUM	0.0	0.4	0.2	0.4	0.8	0.0	0.0	0.2	0.0	0.2	-	-	0.0
	DAY-HR	26-06	26-14	31-03	30-16	27-17	06-05	21-16	12-14	22-14	04-17	-	-	SEP
	# OBS	741	671	743	717	744	715	743	740	720	235	-	-	6769
1992	MEAN	-	-	10.5	13.5	9.3	9.5	10.2	10.0	10.4	11.2	-	-	10.5
	MAXIMUM	-	-	24.9	27.2	28.0	29.0	21.0	22.2	25.7	18.7	-	-	29.0
	DAY-HR	-	-	31-06	05-03	21-00	14-04	21-11	22-23	05-01	04-02	-	-	JUN
	MINIMUM	-	-	0.4	0.4	0.0	0.0	0.2	0.0	0.4	1.0	-	-	0.0
	DAY-HR	-	-	29-18	29-18	11-03	25-10	25-17	26-10	26-21	06-14	-	-	AUG
	# OBS	-	-	499	719	741	716	742	735	703	132	-	-	4987
1994	MEAN	-	-	-	-	-	-	-	9.4	9.6	10.9	10.8	9.4	10.0
	MAXIMUM	-	-	-	-	-	-	-	23.9	22.4	29.0	31.9	24.3	31.9
	DAY-HR	-	-	-	-	-	-	-	30-00	04-00	15-02	18-10	25-03	NOV
	MINIMUM	-	-	-	-	-	-	-	0.0	0.2	0.2	0.2	0.4	0.0
	DAY-HR	-	-	-	-	-	-	-	09-12	22-12	31-20	23-14	03-23	AUG
	# OBS	-	-	-	-	-	-	-	716	712	739	715	735	3617
1995	MEAN	12.9	7.6	12.0	10.8	10.0	12.0	10.5	9.4	10.9	8.2	9.9	-	10.4
	MAXIMUM	35.6	19.8	37.3	25.9	21.0	29.5	24.1	21.6	26.0	24.5	22.7	-	37.3
	DAY-HR	07-08	19-01	10-17	09-02	28-22	06-02	13-01	30-22	13-21	17-03	29-00	-	MAR
	MINIMUM	0.2	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.0	0.2	0.0	-	0.0
	DAY-HR	18-15	28-09	01-04	07-10	24-16	27-11	16-02	23-17	06-13	30-14	21-20	-	NOV
	# OBS	737	665	738	183	241	708	740	729	715	739	663	-	6858
1996	MEAN	-	-	-	-	12.5	11.5	8.8	9.6	8.3	12.0	11.2	9.6	10.2
	MAXIMUM	-	-	-	-	22.0	23.5	24.9	21.2	21.4	29.9	28.6	25.7	29.9
	DAY-HR	-	-	-	-	31-23	10-21	04-21	21-18	16-23	20-01	29-00	22-02	OCT
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
	DAY-HR	-	-	-	-	28-12	06-02	22-15	11-15	13-15	31-21	08-09	21-09	DEC
	# OBS	-	-	-	-	95	713	835	789	716	736	693	739	5316
1997	MEAN	10.7	12.9	10.0	14.3	12.8	12.0	9.1	10.7	10.9	11.2	9.3	11.7	11.3
	MAXIMUM	29.4	29.7	26.4	29.5	25.3	27.4	24.1	25.3	22.7	30.3	27.8	26.6	30.3
	DAY-HR	25-17	18-01	31-23	24-03	01-08	06-01	07-02	20-04	12-01	07-04	26-11	04-23	OCT
	MINIMUM	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
	DAY-HR	24-09	09-19	17-13	19-04	20-09	26-10	30-05	08-12	30-13	25-17	04-04	29-15	DEC
	# OBS	738	657	742	713	739	712	734	736	711	735	707	743	8667
1998	MEAN	10.2	14.0	11.4	12.0	12.7	8.8	11.2	11.0	8.6	12.2	12.1	11.7	11.3
	MAXIMUM	27.4	41.0	24.9	27.8	24.3	23.5	25.9	23.5	25.9	29.2	26.8	28.0	41.0

	DAY-HR	09-21	03-07	04-03	25-05	22-05	30-23	01-19	24-00	19-00	10-01	06-02	06-13	FEB
	MINIMUM	0.0	0.6	0.2	0.0	0.4	0.0	0.2	0.4	0.2	0.2	0.4	0.2	0.0
	DAY-HR	01-17	11-12	22-16	10-14	04-17	06-19	20-14	07-13	14-20	22-11	17-19	19-12	JUN
	# OBS	719	669	718	695	716	696	737	792	716	742	718	738	8656
1999	MEAN	9.9	11.7	13.3	13.6	16.0	13.0	11.2	10.9	7.0	10.0	4.3	-	11.4
	MAXIMUM	27.2	27.0	27.4	35.8	30.7	27.4	23.9	26.0	23.9	24.7	19.1	-	35.8
	DAY-HR	31-06	09-20	05-00	04-03	09-01	09-01	24-22	31-01	01-03	07-00	09-00	-	APR
	MINIMUM	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.8	0.0	-	0.0
	DAY-HR	18-13	12-06	23-07	25-07	31-04	29-17	15-19	10-15	02-11	03-12	15-18	-	NOV
	# OBS	741	659	721	720	744	720	735	731	717	144	361	-	6993
2000	MEAN	-	-	-	14.1	13.7	10.2	13.9	10.4	10.4	9.1	11.8	7.9	11.2
	MAXIMUM	-	-	-	29.9	30.1	28.2	30.3	25.9	25.3	25.7	25.7	22.6	30.3
	DAY-HR	-	-	-	24-02	11-03	11-02	19-22	21-01	16-01	22-00	06-13	18-03	JUL
	MINIMUM	-	-	-	0.0	0.2	0.2	0.4	0.2	0.0	0.0	0.2	0.2	0.0
	DAY-HR	-	-	-	12-23	24-15	20-17	13-16	31-18	01-02	24-00	30-00	31-12	OCT
	# OBS	-	-	-	594	727	713	741	744	701	739	717	743	6419
2001	MEAN	9.6	11.5	13.4	14.9	9.1	11.9	9.4	11.3	10.1	8.0	10.8	10.9	10.9
	MAXIMUM	30.9	31.9	34.6	28.2	27.4	27.6	20.8	25.7	25.5	27.4	30.3	29.5	34.6
	DAY-HR	10-21	24-19	04-22	03-05	01-23	12-23	14-13	25-00	29-00	23-22	29-13	14-23	MAR
	MINIMUM	0.2	0.2	0.2	0.4	0.2	0.0	0.0	0.4	0.0	0.0	0.2	0.2	0.0
	DAY-HR	06-01	16-04	19-15	01-05	31-06	27-05	07-06	30-19	19-19	27-22	08-03	31-17	OCT
	# OBS	741	672	737	717	742	717	743	740	717	743	717	744	8730
POR	MEAN	9.5	11.0	12.2	13.0	12.7	11.5	10.3	10.0	9.5	10.0	10.2	10.0	10.8
	MAXIMUM	39.3	41.0	37.3	35.8	34.4	29.5	30.3	27.6	27.4	30.3	31.9	39.5	41.0
	YEAR	1988	1998	1995	1999	1988	1995	2000	1988	1982	1997	1994	1987	FEB/1998
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	1998	1995	1997	2000	1997	2001	2001	1999	2001	2001	1999	1997	OCT/2001
	# OBS	7580	7566	10069	11336	12768	12670	13706	14834	14046	12716	10389	8789	136469

STATION: 46011 -- POR (10/1980 - 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
1980	MEAN	-	-	-	-	-	-	-	-	-	12.7	12.8	11.2	12.2
	MAXIMUM	-	-	-	-	-	-	-	-	-	30.7	28.8	40.0	40.0
	DAY-HR	-	-	-	-	-	-	-	-	-	15-04	13-01	04-02	DEC
	# OBS	-	-	-	-	-	-	-	-	-	580	717	736	2033
1981	MEAN	11.2	11.4	15.9	16.5	17.7	14.7	10.9	13.9	13.4	13.3	11.0	16.9	13.8
	MAXIMUM	34.2	34.0	39.7	34.0	33.4	36.0	26.8	29.2	29.7	28.6	33.4	26.8	39.7
	DAY-HR	28-02	28-18	26-19	03-05	05-04	13-02	12-23	21-22	29-13	30-02	25-03	01-00	MAR
	# OBS	733	617	726	719	738	714	741	737	701	612	439	20	7497
1982	MEAN	-	-	13.9	14.8	12.4	13.6	14.7	13.9	13.6	12.6	11.4	13.6	13.4
	MAXIMUM	-	-	32.3	33.6	34.4	31.9	32.9	30.9	33.4	35.2	40.4	39.3	40.4
	DAY-HR	-	-	15-08	16-02	18-00	05-02	04-23	02-00	26-14	27-02	30-13	01-01	NOV
	# OBS	-	-	504	717	741	719	741	738	718	740	711	743	7072
1983	MEAN	11.3	-	-	16.6	17.9	16.5	17.3	13.3	10.7	12.5	16.1	-	14.6
	MAXIMUM	32.5	-	-	40.6	37.1	33.6	35.0	27.6	24.7	31.7	31.3	-	40.6
	DAY-HR	19-05	-	-	03-02	09-02	12-02	09-03	23-22	03-16	14-04	05-01	-	APR
	# OBS	543	-	-	627	739	707	738	743	712	736	116	-	5661
1984	MEAN	-	17.2	17.4	20.9	19.2	16.9	11.0	13.1	10.6	16.5	12.7	13.7	15.1
	MAXIMUM	-	36.9	39.1	43.4	36.2	36.2	31.9	31.3	29.7	31.1	35.2	46.5	46.5
	DAY-HR	-	25-06	27-04	26-04	15-03	29-23	26-05	31-08	07-01	20-12	13-05	13-02	DEC
	# OBS	-	421	736	711	642	277	742	742	717	743	717	743	7191
1985	MEAN	9.4	12.4	15.4	14.5	14.9	15.4	12.2	11.2	10.7	13.4	14.0	9.1	12.6
	MAXIMUM	25.9	35.4	37.9	43.9	33.6	30.3	23.1	27.0	27.0	28.0	33.2	34.8	43.9
	DAY-HR	11-05	21-03	02-15	26-03	04-01	09-22	23-22	25-21	15-02	21-14	24-19	02-15	APR
	# OBS	743	671	742	690	743	263	297	721	694	743	720	743	7770
1986	MEAN	11.1	14.9	12.3	15.0	14.3	14.6	9.7	11.3	10.0	9.2	-	-	12.4
	MAXIMUM	31.7	50.7	40.8	33.2	32.1	33.4	22.4	22.4	22.0	23.9	-	-	50.7
	DAY-HR	29-15	14-21	15-18	12-23	22-01	19-00	18-22	29-18	19-00	18-03	-	-	FEB
	# OBS	742	667	732	717	731	716	740	741	545	335	-	-	6666
1987	MEAN	-	-	-	13.4	14.7	13.5	15.1	8.9	13.6	10.1	13.8	17.3	13.0
	MAXIMUM	-	-	-	24.7	32.9	33.6	34.4	21.4	31.7	27.4	32.7	55.0	55.0
	DAY-HR	-	-	-	30-08	02-04	23-21	08-09	24-06	11-01	13-01	25-15	16-09	DEC
	# OBS	-	-	-	26	741	717	743	743	677	678	239	248	4812

1988	MEAN	13.7	13.4	18.8	13.9	19.6	14.7	11.2	11.1	11.3	10.7	13.5	10.2	13.3
	MAXIMUM	50.0	34.2	37.9	42.4	46.5	32.1	31.7	34.4	27.8	30.9	33.2	26.8	50.0
	DAY-HR	18-03	29-09	10-00	30-23	01-01	29-01	16-00	16-02	03-19	10-23	18-02	16-13	JAN
	# OBS	246	232	248	638	743	716	736	739	717	741	718	372	6846
1989	MEAN	9.7	13.1	16.7	11.7	18.6	14.7	16.9	11.0	12.7	12.9	-	-	14.2
	MAXIMUM	22.2	40.6	36.5	30.7	37.1	32.3	36.7	29.9	27.4	27.8	-	-	40.6
	DAY-HR	29-03	08-23	14-03	03-22	24-03	13-22	15-00	01-00	21-01	16-22	-	-	FEB
	# OBS	156	670	741	719	729	716	738	735	719	383	-	-	6306
1990	MEAN	-	9.7	14.3	14.6	12.6	16.1	11.4	11.9	13.8	11.2	11.6	12.7	12.9
	MAXIMUM	-	24.3	28.2	33.8	27.8	30.9	27.4	28.2	30.5	29.4	35.4	34.8	35.4
	DAY-HR	-	19-03	11-17	30-02	25-01	28-11	06-23	17-23	09-01	20-01	26-08	20-03	NOV
	# OBS	-	243	742	714	732	713	739	743	718	741	718	742	7545
1991	MEAN	10.3	13.0	16.1	18.4	17.3	13.1	9.6	14.3	9.5	10.3	-	-	13.4
	MAXIMUM	28.2	33.2	42.2	41.4	35.2	28.4	22.9	31.3	25.5	25.9	-	-	42.2
	DAY-HR	16-04	18-03	17-18	11-01	18-04	21-01	14-04	22-23	01-00	01-23	-	-	MAR
	# OBS	741	671	743	717	744	715	743	740	720	235	-	-	6769
1992	MEAN	-	-	13.3	16.5	11.7	11.9	12.6	12.4	13.2	14.1	-	-	13.1
	MAXIMUM	-	-	29.9	34.4	34.6	34.4	25.5	28.4	30.9	22.4	-	-	34.6
	DAY-HR	-	-	31-06	21-22	21-00	14-04	21-21	22-23	25-01	04-00	-	-	MAY
	# OBS	-	-	499	719	741	715	742	732	694	132	-	-	4974
1994	MEAN	-	-	-	-	-	-	-	12.0	11.9	13.6	13.7	12.1	12.7
	MAXIMUM	-	-	-	-	-	-	-	29.4	28.4	35.6	39.5	30.1	39.5
	DAY-HR	-	-	-	-	-	-	-	29-23	04-00	15-02	18-10	25-02	NOV
	# OBS	-	-	-	-	-	-	-	714	712	738	714	735	3613
1995	MEAN	16.5	9.8	15.0	14.0	12.6	14.9	12.9	11.8	13.5	10.5	12.4	-	13.1
	MAXIMUM	43.2	24.9	47.6	34.8	25.1	38.3	29.5	27.2	31.1	31.1	27.2	-	47.6
	DAY-HR	07-08	18-00	10-17	09-00	29-00	06-02	13-01	30-22	13-21	17-03	27-01	-	MAR
	# OBS	737	665	737	183	241	707	740	728	715	739	663	-	6855
1996	MEAN	-	-	-	-	16.9	14.3	11.1	12.1	10.8	14.9	13.8	12.2	12.8
	MAXIMUM	-	-	-	-	28.2	28.8	31.1	26.8	25.3	37.7	35.4	32.7	37.7
	DAY-HR	-	-	-	-	29-07	18-20	04-23	21-20	16-05	26-06	29-03	09-17	OCT
	# OBS	-	-	-	-	95	713	835	789	716	736	693	739	5316
1997	MEAN	13.4	15.9	12.6	17.5	15.6	15.0	11.4	13.1	13.5	13.9	12.1	14.9	14.1
	MAXIMUM	36.2	37.7	33.0	36.0	31.7	33.2	29.9	29.7	27.6	37.5	34.2	34.6	37.7
	DAY-HR	25-17	27-14	31-23	24-03	01-08	06-01	06-22	20-06	12-02	07-03	26-11	04-23	FEB
	# OBS	738	657	741	712	739	712	734	735	711	735	707	743	8664
1998	MEAN	13.2	18.2	14.1	15.0	15.5	11.0	13.9	13.7	10.8	14.9	15.1	14.8	14.2
	MAXIMUM	33.6	53.8	29.9	34.0	29.0	28.8	33.6	28.8	31.5	36.4	31.7	37.9	53.8
	DAY-HR	09-21	03-07	29-01	25-05	22-05	30-23	01-19	23-23	10-05	10-01	06-02	21-02	FEB
	# OBS	719	669	718	694	715	695	736	789	716	741	718	738	8648
1999	MEAN	12.5	14.6	16.6	16.9	19.6	16.1	13.7	13.5	9.2	12.5	5.9	-	14.2
	MAXIMUM	35.6	34.6	33.2	42.2	36.9	33.4	29.2	31.7	29.0	28.6	22.4	-	42.2
	DAY-HR	31-06	09-20	27-04	04-03	09-01	08-01	24-22	31-01	01-03	07-00	09-00	-	APR
	# OBS	741	659	721	719	744	719	734	730	717	144	361	-	6989
2000	MEAN	-	-	-	17.4	16.7	12.8	16.8	13.0	12.9	11.7	14.5	10.1	13.9
	MAXIMUM	-	-	-	38.3	37.7	34.6	36.0	31.5	31.5	31.3	31.9	27.0	38.3
	DAY-HR	-	-	-	24-00	11-03	11-02	19-22	21-01	05-01	22-01	06-20	18-05	APR
	# OBS	-	-	-	594	727	712	740	744	701	731	717	743	6409
2001	MEAN	12.4	14.5	16.7	18.1	11.5	14.7	11.7	14.0	12.7	10.3	13.8	13.9	13.7
	MAXIMUM	39.1	41.8	42.6	41.0	33.6	32.7	25.5	31.1	31.7	34.2	39.1	37.5	42.6
	DAY-HR	10-23	24-20	04-23	21-03	01-23	12-23	14-12	24-23	29-00	23-23	29-13	14-22	MAR
	# OBS	741	672	738	717	742	716	743	734	717	743	717	744	8724
POR	MEAN	12.2	13.8	15.2	16.1	15.8	14.3	12.9	12.5	11.9	12.6	12.9	12.6	13.5
	MAXIMUM	50.0	53.8	47.6	43.9	46.5	38.3	36.7	34.4	33.4	37.7	40.4	55.0	55.0
	YEAR	1988	1998	1995	1985	1988	1995	1989	1988	1982	1996	1982	1987	DEC/1987
	# OBS	7580	7514	10068	11333	12767	12662	13702	14817	14037	12706	10385	8789	136360

STATION: 46011 -- POR (6/1998 - 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	-	-	-	-	-	17.2	15.2	14.9	12.1	16.4	16.6	16.5	15.3
	MAXIMUM	-	-	-	-	-	30.9	34.0	29.4	31.9	38.3	33.4	39.1	39.1
	DAY-HR	-	-	-	-	-	30-23	01-21	23-23	19-04	10-01	06-01	21-00	DEC

	MINIMUM	-	-	-	-	-	4.9	2.3	3.5	2.5	2.3	2.7	2.5	2.3
	DAY-HR	-	-	-	-	-	25-18	05-12	02-14	27-05	17-15	17-18	19-11	OCT
	# OBS	-	-	-	-	-	169	737	788	717	741	742	737	4631
1999	MEAN	14.3	16.2	18.0	18.5	21.0	17.4	14.8	15.0	10.5	14.0	7.7	-	15.7
	MAXIMUM	35.6	35.0	36.9	45.9	40.0	34.6	33.4	32.5	30.3	30.5	23.5	-	45.9
	DAY-HR	31-05	10-00	27-04	04-03	09-01	09-01	24-22	31-01	01-02	07-00	08-23	-	APR
	MINIMUM	2.5	2.9	2.3	2.3	2.7	2.3	1.6	1.9	1.7	6.4	1.0	-	1.0
	DAY-HR	03-14	20-21	18-08	16-02	31-11	23-04	15-15	10-14	02-13	06-17	15-17	-	NOV
	# OBS	766	659	720	718	744	720	734	729	717	145	360	-	7012
2000	MEAN	-	-	-	18.9	18.3	13.9	18.1	14.2	14.2	13.3	16.0	11.6	15.3
	MAXIMUM	-	-	-	39.5	38.7	36.0	36.5	31.9	34.2	33.4	32.3	27.4	39.5
	DAY-HR	-	-	-	23-23	11-03	11-01	19-21	21-01	15-23	22-00	06-19	23-00	APR
	MINIMUM	-	-	-	2.3	2.5	2.7	2.1	2.3	2.3	1.9	2.5	1.9	1.9
	DAY-HR	-	-	-	15-18	24-15	17-00	13-16	31-15	02-13	07-10	03-18	04-06	DEC
	# OBS	-	-	-	608	727	704	721	742	701	725	715	743	6386
2001	MEAN	14.2	16.2	18.3	19.6	12.8	16.0	13.0	15.4	13.9	11.6	15.5	15.8	15.2
	MAXIMUM	40.8	42.2	43.0	41.0	33.6	34.6	26.8	34.4	32.7	34.2	39.1	40.4	43.0
	DAY-HR	10-18	24-19	04-22	21-02	01-22	12-23	14-13	24-22	28-22	23-22	29-12	14-21	MAR
	MINIMUM	2.7	2.7	1.7	3.3	1.6	1.4	2.1	2.7	1.7	1.2	2.3	1.9	1.2
	DAY-HR	04-19	16-04	22-07	01-05	07-10	27-05	25-04	30-16	11-18	06-10	08-03	17-22	OCT
	# OBS	740	671	736	715	743	716	743	735	716	742	717	743	8717
POR	MEAN	14.3	16.2	18.2	19.0	17.4	15.9	15.3	14.9	12.7	13.8	14.9	14.6	15.4
	MAXIMUM	40.8	42.2	43.0	45.9	40.0	36.0	36.5	34.4	34.2	38.3	39.1	40.4	45.9
	YEAR	2001	2001	2001	1999	1999	2000	2000	2001	2000	1998	2001	2001	APR/1999
	MINIMUM	2.5	2.7	1.7	2.3	1.6	1.4	1.6	1.9	1.7	1.2	1.0	1.9	1.0
	YEAR	1999	2001	2001	2000	2001	2001	1999	1999	2001	2001	1999	2001	NOV/1999
	# OBS	1506	1330	1456	2041	2214	2309	2935	2994	2851	2353	2534	2223	26746

STATION: 46011 -- POR (10/1980 - 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
1980	MEAN	-	-	-	-	-	-	-	-	-	2.0	2.1	1.6	1.9
	MAXIMUM	-	-	-	-	-	-	-	-	-	4.6	5.2	3.5	5.2
	DAY-HR	-	-	-	-	-	-	-	-	-	09-23	09-10	04-07	NOV
	# OBS	-	-	-	-	-	-	-	-	-	578	714	733	2025
1981	MEAN	2.6	2.0	2.8	2.2	2.1	2.1	1.5	1.6	1.6	1.5	2.3	2.2	2.0
	MAXIMUM	7.1	4.2	6.3	4.4	4.1	4.4	3.1	2.6	3.5	3.6	6.6	2.6	7.1
	DAY-HR	28-18	21-00	05-17	03-06	03-06	13-05	07-22	03-13	29-09	30-04	15-05	01-15	JAN
	# OBS	733	667	726	715	736	706	740	731	695	719	717	24	7909
1982	MEAN	-	-	2.4	2.0	1.9	1.3	1.6	1.5	1.8	1.7	2.0	2.8	1.9
	MAXIMUM	-	-	5.5	5.0	4.4	3.0	2.9	3.0	3.7	3.9	5.6	7.4	7.4
	DAY-HR	-	-	30-22	04-01	09-06	05-06	30-07	10-21	27-17	08-04	30-23	01-06	DEC
	# OBS	-	-	496	713	737	718	728	687	717	742	720	743	7001
1983	MEAN	2.8	3.3	3.1	2.0	1.8	2.1	1.8	1.4	1.5	1.6	2.6	-	2.1
	MAXIMUM	7.3	6.8	8.2	5.5	4.5	4.3	3.4	2.6	3.2	3.3	4.7	-	8.2
	DAY-HR	27-08	10-17	02-04	03-05	10-18	01-01	09-05	04-22	09-20	13-22	05-17	-	MAR
	# OBS	734	668	743	646	737	708	740	743	713	735	116	-	7283
1984	MEAN	-	2.9	2.5	2.8	2.1	1.7	-	-	1.8	2.2	2.7	2.2	2.4
	MAXIMUM	-	7.0	4.7	6.6	4.1	3.0	-	-	3.6	5.0	5.7	6.1	7.0
	DAY-HR	-	25-13	30-00	25-06	06-08	21-07	-	-	22-06	15-04	19-07	13-08	FEB
	# OBS	-	410	684	712	160	213	-	-	396	743	718	743	4779
1985	MEAN	2.2	2.0	2.7	1.9	1.8	1.8	1.2	1.4	1.4	1.9	1.9	2.2	1.9
	MAXIMUM	4.0	4.9	6.5	5.7	3.3	2.8	2.0	2.6	2.6	3.4	5.0	8.0	8.0
	DAY-HR	08-05	21-05	02-18	26-04	04-23	10-00	31-08	09-17	15-07	22-10	30-20	03-07	DEC
	# OBS	743	670	740	718	742	321	296	717	694	739	719	743	7842
1986	MEAN	2.4	3.2	2.5	2.2	2.1	1.7	1.6	1.4	1.2	1.7	-	-	2.0
	MAXIMUM	5.5	8.1	7.1	4.5	3.7	3.7	2.8	2.3	2.0	3.3	-	-	8.1
	DAY-HR	15-18	01-15	16-06	13-15	15-17	19-04	06-00	18-02	22-06	15-10	-	-	FEB
	# OBS	741	664	729	716	730	714	740	739	544	335	-	-	6652
1987	MEAN	-	-	-	1.1	1.9	1.8	1.6	1.3	1.6	1.4	2.5	3.2	1.7
	MAXIMUM	-	-	-	1.4	3.8	3.9	3.4	2.1	3.6	3.0	4.7	6.4	6.4
	DAY-HR	-	-	-	30-13	03-09	01-11	08-10	08-01	26-11	23-19	10-06	02-18	DEC
	# OBS	-	-	-	26	741	716	742	738	677	677	239	248	4804
1988	MEAN	2.5	2.2	2.6	1.9	2.2	1.9	1.5	1.5	1.6	1.6	2.8	2.2	1.9

	MAXIMUM	9.2	3.9	4.5	4.5	4.6	4.3	3.0	2.8	2.8	3.3	5.3	5.9	9.2
	DAY-HR	18-12	11-09	27-18	08-03	01-05	29-06	01-00	16-02	18-00	08-19	26-07	22-06	JAN
	# OBS	246	232	247	637	742	719	734	737	715	736	718	742	7205
1989	MEAN	2.3	1.8	2.0	1.7	2.1	1.8	2.0	1.4	1.4	1.6	-	-	1.8
	MAXIMUM	5.2	4.5	4.5	3.4	3.8	3.5	3.5	2.3	2.3	2.8	-	-	5.2
	DAY-HR	01-06	25-10	29-02	02-02	12-04	20-17	21-08	24-07	07-03	02-19	-	-	JAN
	# OBS	744	667	738	712	715	703	731	733	718	373	-	-	6834
1990	MEAN	-	1.5	2.2	2.0	1.9	2.1	1.4	1.4	1.7	2.4	2.0	2.1	1.9
	MAXIMUM	-	2.6	4.5	4.9	3.5	4.2	2.9	2.4	3.6	3.8	4.7	5.2	5.2
	DAY-HR	-	19-04	09-03	25-07	31-23	05-17	07-03	17-12	27-09	03-18	27-06	20-09	DEC
	# OBS	-	242	740	714	731	713	737	742	714	160	604	741	6838
1991	MEAN	1.8	2.2	3.0	2.3	2.3	1.9	1.5	1.5	1.7	1.7	-	-	2.0
	MAXIMUM	4.9	4.1	5.0	5.2	4.5	3.2	2.7	3.0	3.0	2.4	-	-	5.2
	DAY-HR	14-17	04-06	21-12	11-06	10-07	01-00	26-19	10-08	21-21	04-23	-	-	APR
	# OBS	740	671	573	714	742	715	742	739	720	225	-	-	6581
1992	MEAN	-	-	2.2	2.1	1.7	1.6	1.6	1.5	1.7	2.6	-	-	1.8
	MAXIMUM	-	-	3.8	4.2	3.6	3.5	2.8	2.7	3.8	3.9	-	-	4.2
	DAY-HR	-	-	31-06	21-22	21-11	14-07	23-06	22-09	26-04	03-01	-	-	APR
	# OBS	-	-	499	719	741	715	742	730	683	131	-	-	4960
1994	MEAN	-	-	-	-	-	-	-	1.2	1.4	2.1	2.7	2.8	2.0
	MAXIMUM	-	-	-	-	-	-	-	2.7	2.7	5.1	6.1	5.3	6.1
	DAY-HR	-	-	-	-	-	-	-	30-16	26-20	15-18	10-22	08-00	NOV
	# OBS	-	-	-	-	-	-	-	692	709	732	714	733	3580
1995	MEAN	3.3	1.9	2.5	2.3	2.0	2.0	1.4	1.6	1.9	2.1	2.0	-	2.1
	MAXIMUM	7.0	4.7	6.7	5.7	4.0	5.1	2.8	2.7	4.3	4.0	3.8	-	7.0
	DAY-HR	08-07	03-03	23-21	19-02	13-22	07-04	30-00	08-20	25-20	22-18	27-06	-	JAN
	# OBS	736	665	737	704	736	703	735	724	710	736	663	-	7849
1996	MEAN	-	-	-	-	2.0	2.0	1.6	1.6	1.7	2.2	2.1	2.2	1.9
	MAXIMUM	-	-	-	-	4.2	3.3	2.8	2.9	3.3	5.2	4.2	4.6	5.2
	DAY-HR	-	-	-	-	29-18	19-09	06-01	31-09	17-06	26-17	20-08	07-07	OCT
	# OBS	-	-	-	-	94	712	835	789	715	736	693	739	5313
1997	MEAN	2.3	2.6	2.4	2.3	1.7	2.2	1.5	1.6	1.9	2.2	2.7	2.8	2.2
	MAXIMUM	4.3	5.4	4.5	5.1	3.3	4.1	2.8	2.6	4.7	5.0	6.2	5.2	6.2
	DAY-HR	03-03	27-18	01-01	02-05	06-06	06-06	02-14	06-13	27-19	07-14	14-14	01-05	NOV
	# OBS	738	657	741	712	738	712	734	735	711	735	707	743	8663
1998	MEAN	3.0	4.3	2.5	2.4	2.0	1.7	1.8	1.8	1.8	2.1	2.7	3.1	2.4
	MAXIMUM	8.1	8.2	5.3	5.0	3.9	3.7	3.4	3.3	3.8	4.5	6.0	6.5	8.2
	DAY-HR	30-15	03-00	29-09	08-03	02-13	17-00	02-05	08-01	10-05	30-05	23-10	09-14	FEB
	# OBS	719	667	718	695	714	696	737	789	708	740	720	735	8638
1999	MEAN	2.6	3.0	3.1	2.6	2.5	2.1	1.7	1.4	1.6	1.2	0.5	-	2.2
	MAXIMUM	6.7	7.1	6.6	6.6	6.0	4.0	3.5	3.4	3.6	1.6	1.2	-	7.1
	DAY-HR	27-03	17-09	30-14	04-05	09-04	14-18	07-09	31-05	27-19	03-06	09-06	-	FEB
	# OBS	741	659	721	719	744	720	733	733	717	144	337	-	6968
2000	MEAN	-	-	-	2.2	2.2	1.6	1.8	1.7	1.6	2.3	2.4	2.4	2.0
	MAXIMUM	-	-	-	5.0	5.0	3.9	3.4	3.2	2.9	5.3	4.3	7.2	7.2
	DAY-HR	-	-	-	29-03	11-03	12-03	20-02	14-03	16-09	29-21	27-12	23-02	DEC
	# OBS	-	-	-	575	727	708	736	743	701	732	717	740	6379
2001	MEAN	3.0	2.7	2.6	2.2	2.0	1.9	1.6	1.8	1.7	1.8	2.6	3.1	2.2
	MAXIMUM	7.0	6.7	5.5	4.0	6.3	4.1	3.0	3.1	3.7	3.9	6.7	6.4	7.0
	DAY-HR	12-03	20-15	10-05	03-05	02-18	04-09	14-15	24-22	28-03	24-18	30-09	21-08	JAN
	# OBS	740	670	738	715	743	716	741	736	717	742	717	744	8719
POR	MEAN	2.6	2.6	2.6	2.2	2.0	1.9	1.6	1.5	1.6	1.9	2.3	2.5	2.0
	MAXIMUM	9.2	8.2	8.2	6.6	6.3	5.1	3.5	3.4	4.7	5.3	6.7	8.0	9.2
	YEAR	1988	1998	1983	1999	2001	1995	1999	1999	1997	2000	2001	1985	JAN/1988
	# OBS	8355	8209	10570	11862	12750	12628	12923	13977	13674	12190	10533	9151	136822

STATION: 46011

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

Month: JAN

		WIND DIRECTION														
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N	
0	0.7	0.2	0.1	0.1	0.1	*	0.1	0.1	0.1	*	0.2	*	*	1.8	139	
1 - 3		1.4	1.5	1.2	1.5	1.7	1.3	0.9	0.8	0.6	1.2	1.2	1.4	14.5	1097	
4 - 6		2.4	2.7	2.1	1.4	2.3	1.5	1.1	0.8	0.9	1.0	2.1	2.7	20.8	1577	
7 - 10		3.3	2.7	1.4	0.6	1.6	1.4	1.1	0.8	0.8	0.9	3.0	5.8	23.2	1760	
11 - 15		2.9	1.8	0.6	0.1	0.7	2.0	1.4	0.6	0.7	0.8	3.4	8.0	23.1	1750	
16 - 20		0.7	0.4	0.2	-	0.4	2.9	1.3	0.3	0.3	0.3	2.0	3.9	12.6	955	
21 - 24		*	*	*	*	0.3	1.0	0.3	0.1	0.1	0.1	0.3	0.6	2.8	211	

25 - 33	*	-	-	-	0.2	0.6	0.1	*	*	-	*	0.1	1.1	84
34 - 47	-	-	-	-	*	*	-	-	-	-	-	0.1	0.1	7
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.7	11.0	9.1	5.6	3.7	7.3	10.8	6.2	3.4	3.3	4.5	11.9	22.6	100.0
TOTAL N	53	835	687	424	281	551	816	469	257	252	338	905	1712	7580

(\* < 0.05%)

STATION: 46011

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	0.3	0.1	0.1	-	0.1	0.1	*	0.1	0.1	*	0.1	0.1	*	1.1	85
1 - 3		1.0	1.1	1.1	0.9	1.0	0.7	0.6	0.7	0.7	0.8	1.0	1.4	10.9	825
4 - 6		2.0	1.6	0.9	0.8	1.4	0.8	1.0	1.0	0.8	1.3	2.2	2.9	16.7	1264
7 - 10		3.5	1.9	1.0	0.3	1.3	0.8	1.0	0.9	0.7	0.7	3.0	6.8	22.0	1661
11 - 15		3.0	1.3	0.4	*	0.9	1.6	1.3	0.5	0.3	0.4	3.9	11.1	24.5	1854
16 - 20		0.8	0.3	0.3	-	0.3	1.5	0.7	0.2	*	0.2	3.5	9.3	17.1	1291
21 - 24		*	*	*	-	0.3	0.9	0.1	*	*	0.1	0.9	2.8	5.2	394
25 - 33		-	-	-	-	0.2	0.7	0.1	-	-	*	0.3	1.0	2.3	176
34 - 47		-	-	-	-	*	0.2	-	-	-	-	-	-	0.2	16
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	10.4	6.1	3.7	2.1	5.5	7.1	4.9	3.3	2.5	3.6	15.0	35.4	100.0	
TOTAL N	23	790	465	277	162	417	539	367	253	190	270	1138	2675	7566	

(\* < 0.05%)

STATION: 46011

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	0.5	0.1	*	*	0.1	0.1	*	0.1	*	*	0.1	0.1	0.1	1.2	125
1 - 3		0.8	0.7	0.7	0.6	0.6	0.4	0.4	0.5	0.6	0.9	0.9	1.1	8.1	818
4 - 6		1.7	1.1	0.6	0.4	0.7	0.7	0.7	0.5	0.7	1.0	1.9	2.4	12.3	1239
7 - 10		2.4	0.9	0.3	0.2	1.0	0.9	1.2	1.1	0.7	1.2	4.4	5.8	20.2	2031
11 - 15		2.1	0.3	0.1	0.1	0.9	1.5	1.3	0.5	0.6	0.9	5.1	12.2	25.5	2568
16 - 20		0.7	*	-	*	0.4	1.8	0.6	0.1	0.1	0.2	5.4	13.6	23.0	2316
21 - 24		0.1	-	-	-	0.2	0.6	0.2	*	*	*	1.9	4.3	7.5	757
25 - 33		*	-	-	-	0.1	0.3	*	-	-	-	0.6	1.0	2.1	210
34 - 47		-	-	-	-	-	*	-	-	-	-	-	-	0.0	5
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	7.9	3.2	1.7	1.4	4.0	6.2	4.4	2.8	2.8	4.4	20.3	40.5	100.0	
TOTAL N	48	791	318	173	141	403	627	445	278	279	446	2047	4073	10069	

(\* < 0.05%)

STATION: 46011

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	0.6	0.1	*	*	*	*	*	0.1	*	*	0.1	0.1	0.1	1.2	138
1 - 3		0.8	0.7	0.5	0.4	0.5	0.3	0.4	0.5	0.6	0.6	0.8	0.9	6.9	783
4 - 6		1.5	1.0	0.5	0.4	0.8	0.7	0.6	0.6	0.7	1.0	1.7	2.3	11.9	1354
7 - 10		1.6	0.5	0.2	0.2	0.8	0.8	0.8	0.6	0.6	1.2	4.6	6.7	18.6	2103
11 - 15		0.9	0.2	*	*	0.3	0.9	1.0	0.1	0.1	0.1	6.1	13.7	23.4	2657
16 - 20		0.2	*	-	-	0.1	0.7	0.2	0.1	*	0.1	6.5	15.5	23.4	2655
21 - 24		*	-	-	-	0.1	0.2	*	*	-	*	2.8	7.2	10.3	1166
25 - 33		-	-	-	*	*	*	-	-	-	-	1.7	2.4	4.2	475
34 - 47		-	-	-	-	-	-	-	-	-	-	*	*	0.0	5
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.6	5.1	2.4	1.2	1.1	2.7	3.8	3.0	1.9	2.0	3.1	24.3	48.8	100.0	
TOTAL N	72	574	275	141	125	301	426	339	217	230	347	2754	5535	11336	

(\* < 0.05%)

STATION: 46011

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	0.7	0.1	0.1	*	0.1	*	0.1	0.1	0.1	*	0.1	0.1	*	1.6	201
1 - 3		0.9	0.6	0.4	0.7	0.6	0.5	0.5	0.4	0.5	0.9	1.3	1.2	8.6	1093
4 - 6		1.2	0.2	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.5	2.8	3.0	11.8	1501

7 - 10	1.0	*	*	*	0.2	0.3	0.6	0.4	0.4	0.9	4.7	7.5	16.0	2049
11 - 15	0.7	*	-	*	*	0.3	0.3	*	*	0.2	6.5	15.9	24.0	3061
16 - 20	0.1	-	-	-	*	0.1	0.1	-	*	0.1	8.0	17.1	25.5	3251
21 - 24	-	-	-	-	-	*	-	-	-	-	4.2	6.0	10.2	1298
25 - 33	-	-	-	-	-	-	-	-	-	-	1.4	1.0	2.4	311
34 - 47	-	-	-	-	-	-	-	-	-	-	*	-	0.0	3
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.7	4.0	1.0	0.7	1.0	1.2	1.6	2.0	1.6	1.8	3.5	29.0	51.8	100.0
TOTAL N	95	517	130	84	132	148	209	258	199	234	444	3705	6613	12768

(\* < 0.05%)

STATION: 46011

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	0.5	0.1	0.1	*	*	0.1	*	0.1	0.1	0.1	0.1	0.1	0.1	1.3	161
1 - 3		1.2	0.6	0.4	0.5	0.7	0.6	0.5	0.8	0.7	1.2	1.6	1.5	10.3	1302
4 - 6		1.4	0.5	0.2	0.2	0.5	0.7	0.8	0.9	0.9	1.6	4.1	3.7	15.5	1970
7 - 10		1.0	0.1	*	*	0.1	0.3	0.7	0.4	0.4	1.1	6.7	9.2	20.3	2569
11 - 15		0.6	*	-	-	-	0.2	0.4	0.1	-	0.1	6.7	14.5	22.6	2861
16 - 20		0.2	-	-	-	-	0.1	0.2	*	-	*	7.1	13.1	20.7	2620
21 - 24		*	-	-	-	-	-	-	-	-	-	3.8	4.5	8.4	1060
25 - 33		-	-	-	-	-	-	-	-	-	-	0.6	0.4	1.0	127
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	4.5	1.3	0.7	0.8	1.4	1.9	2.7	2.4	2.0	4.1	30.6	47.0	100.0	
TOTAL N	62	567	169	91	101	177	240	341	307	256	519	3883	5957		12670

(\* < 0.05%)

STATION: 46011

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	0.4	0.1	0.1	0.1	0.1	0.1	*	0.1	*	*	0.1	0.1	0.1	1.2	169
1 - 3		1.3	0.8	0.4	0.4	0.7	0.4	0.4	0.6	0.7	1.7	2.1	1.9	11.5	1581
4 - 6		1.9	0.4	0.1	0.1	0.2	0.3	0.5	0.6	0.9	1.9	5.1	4.9	16.7	2291
7 - 10		1.5	0.1	*	*	*	0.1	0.2	0.2	0.1	0.7	8.5	13.4	24.9	3409
11 - 15		0.7	*	-	-	-	-	*	*	*	*	7.1	17.5	25.4	3483
16 - 20		0.1	-	-	-	-	-	-	-	-	*	3.9	11.9	15.9	2175
21 - 24		*	-	-	-	-	-	-	-	-	-	1.1	2.6	3.7	502
25 - 33		-	-	-	-	-	-	-	-	-	-	0.3	0.4	0.7	95
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	5.6	1.3	0.6	0.6	1.0	0.8	1.2	1.4	1.7	4.5	28.1	52.7	100.0	
TOTAL N	60	761	179	86	88	134	113	168	191	238	614	3855	7218		13705

(\* < 0.05%)

STATION: 46011

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	0.5	0.1	0.1	*	*	0.1	*	*	0.1	*	0.1	0.1	0.1	1.1	165
1 - 3		1.3	1.0	0.6	0.5	0.5	0.3	0.5	0.6	1.0	1.6	1.5		9.9	1475
4 - 6		1.9	0.6	0.2	0.2	0.3	0.2	0.4	0.4	0.7	1.7	4.7	5.6	17.0	2522
7 - 10		1.7	0.1	*	*	*	*	0.1	0.2	0.3	0.5	8.7	15.2	27.0	4000
11 - 15		0.6	-	-	-	-	*	*	*	*	0.1	7.0	22.0	29.7	4409
16 - 20		0.1	-	-	-	-	*	*	-	*	*	4.0	9.1	13.1	1949
21 - 24		-	-	-	-	-	*	-	-	-	-	0.9	1.0	1.9	289
25 - 33		-	-	-	-	-	*	-	-	-	-	0.1	0.1	0.2	24
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	5.7	1.8	0.9	0.7	0.9	0.7	1.1	1.2	1.7	3.4	27.0	54.5	100.0	
TOTAL N	67	841	271	127	105	136	104	170	182	247	501	4002	8080		14833

(\* < 0.05%)

STATION: 46011

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

Month: SEP

WIND DIRECTION

WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
0	0.5	0.1	0.1	*	*	0.1	0.1	0.1	*	*	0.1	0.1	0.1	1.2	166
1 - 3		1.6	0.9	0.7	0.6	0.8	0.7	0.6	0.8	0.9	1.2	1.8	1.9	12.5	1754
4 - 6		3.0	1.1	0.5	0.3	0.5	0.6	0.6	0.7	0.9	1.6	4.5	5.7	20.0	2810
7 - 10		2.7	0.2	0.1	*	0.1	0.2	0.6	0.5	0.2	0.8	7.0	14.4	27.1	3801
11 - 15		1.3	*	*	*	*	0.1	0.2	*	-	0.1	6.4	15.9	24.1	3384
16 - 20		0.2	*	-	*	-	*	*	-	-	-	3.4	8.7	12.3	1726
21 - 24		*	-	-	-	-	-	-	-	-	-	0.7	1.9	2.6	368
25 - 33		-	-	-	-	-	-	-	-	-	-	*	0.2	0.3	37
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
TOTAL %	0.5	8.8	2.4	1.4	1.0	1.5	1.8	2.1	2.1	2.1	3.7	23.9	48.7	100.0	
TOTAL N	67	1243	334	202	139	212	249	291	294	292	520	3360	6844		14047

(\* < 0.05%)

STATION: 46011

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	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	*	1.2	157
1 - 3		1.5	1.4	1.1	1.1	1.1	0.8	0.8	0.7	0.8	0.8	1.3	1.4	12.7	1620
4 - 6		3.5	1.7	1.0	0.9	0.9	0.6	0.7	0.6	0.6	1.3	3.2	4.7	19.6	2498
7 - 10		3.5	0.8	0.4	0.1	0.3	0.4	0.8	0.5	0.3	0.8	5.0	10.3	23.2	2952
11 - 15		1.7	0.2	0.1	*	0.1	0.3	0.5	0.1	*	0.1	5.1	15.3	23.5	2984
16 - 20		0.2	-	*	-	-	0.1	0.2	*	*	*	4.0	10.2	14.8	1882
21 - 24		-	-	-	-	-	*	*	*	-	*	1.3	2.8	4.2	529
25 - 33		-	-	-	-	-	*	-	-	-	-	0.3	0.4	0.7	93
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	10.3	4.1	2.7	2.2	2.4	2.3	3.1	2.0	1.7	3.1	20.2	45.2	100.0	
TOTAL N	56	1314	524	348	282	310	297	391	258	222	399	2569	5745		12715

(\* < 0.05%)

STATION: 46011

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	0.4	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	*	0.1	0.1	0.1	1.5	160
1 - 3		1.5	1.4	1.3	0.9	1.2	0.7	0.6	0.4	0.5	0.7	1.1	1.4	11.7	1219
4 - 6		3.1	2.2	1.2	0.7	1.2	1.0	0.7	0.6	0.7	1.1	2.3	3.0	17.8	1847
7 - 10		3.8	2.6	0.9	0.2	1.5	1.0	0.8	0.4	0.4	0.9	3.8	7.7	24.0	2489
11 - 15		3.2	1.4	0.4	0.1	0.4	0.9	0.8	0.4	0.2	0.4	3.9	12.0	24.2	2516
16 - 20		0.7	0.2	0.1	0.1	0.1	0.9	0.3	0.2	0.3	0.2	3.4	9.6	16.1	1668
21 - 24		*	-	-	-	*	0.4	0.1	0.1	0.1	*	0.7	2.3	3.9	402
25 - 33		*	-	-	-	-	0.2	*	*	*	*	0.1	0.5	0.8	87
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	12.5	7.9	4.0	2.1	4.6	5.3	3.5	2.1	2.2	3.5	15.5	36.5	100.0	
TOTAL N	45	1294	825	414	219	475	546	360	223	225	364	1609	3789		10388

(\* < 0.05%)

STATION: 46011

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	0.6	0.2	0.1	0.1	0.1	*	0.1	0.1	0.1	*	0.1	*	0.1	1.7	150
1 - 3		1.4	1.3	1.5	1.5	1.4	1.0	0.8	0.6	0.8	0.9	1.1	1.4	13.7	1201
4 - 6		2.6	2.4	1.8	1.4	2.3	1.2	0.6	0.6	0.5	1.3	2.0	2.8	19.6	1721
7 - 10		3.5	3.7	1.4	0.4	1.9	1.1	1.0	0.3	0.3	0.5	2.4	5.5	22.1	1939
11 - 15		3.7	3.0	1.1	0.1	1.0	1.6	0.9	0.3	0.1	0.1	2.8	8.6	23.3	2045
16 - 20		1.7	0.9	0.4	*	0.6	1.7	0.5	0.1	*	0.1	1.9	6.5	14.5	1274
21 - 24		0.3	0.1	*	*	0.3	0.6	0.2	0.1	*	*	0.5	1.5	3.6	317
25 - 33		*	*	-	-	0.1	0.4	*	*	*	*	0.2	0.6	1.4	126
34 - 47		-	-	-	-	*	*	-	-	-	-	-	*	0.1	11
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.6	13.4	11.6	6.4	3.7	7.7	7.7	4.0	2.1	1.7	3.1	11.0	27.1	100.0	
TOTAL N	51	1179	1015	560	324	672	677	355	183	150	269	970	2379		8784

(\* < 0.05%)

STATION: 46011

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	0.5	0.1	0.1	*	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	0.1	1.3	1816	
1 - 3		1.2	1.0	0.8	0.8	0.8	0.6	0.6	0.6	0.7	1.0	1.4	1.4	10.8	14768	
4 - 6		2.2	1.2	0.7	0.5	0.8	0.7	0.6	0.7	0.8	1.4	3.3	3.8	16.6	22594	
7 - 10		2.3	0.9	0.4	0.2	0.6	0.5	0.7	0.5	0.4	0.9	5.5	9.6	22.5	30763	
11 - 15		1.6	0.5	0.2	*	0.3	0.6	0.6	0.2	0.1	0.2	5.6	14.6	24.6	33572	
16 - 20		0.4	0.1	0.1	*	0.1	0.6	0.3	0.1	0.1	0.1	4.6	11.0	17.4	23762	
21 - 24		*	*	*	*	0.1	0.2	0.1	*	*	*	1.7	3.2	5.3	7293	
25 - 33		*	*	-	*	*	0.1	*	*	*	*	0.5	0.7	1.4	1845	
34 - 47		-	-	-	-	*	*	-	-	-	-	*	*	0.0	47	
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1	
TOTAL %	0.5	7.8	3.8	2.1	1.5	2.9	3.5	2.9	2.1	2.1	3.7	22.6	44.4	100.0		
TOTAL N	699	10706	5192	2927	2099	3936	4843	3954	2842	2815	5031	30797	60620		136461	

(\* < 0.05%)

STATION: 46011

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	CALM	WIND DIRECTION													TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.5	0.2	0.1	0.1	0.1	*	0.1	0.1	0.1	*	0.2	0.1	0.1	1.6	374	
1 - 3		1.3	1.3	1.3	1.3	1.3	1.0	0.7	0.7	0.7	1.0	1.1	1.4	13.1	3123	
4 - 6		2.4	2.2	1.6	1.2	2.0	1.2	0.9	0.8	0.7	1.2	2.1	2.8	19.1	4562	
7 - 10		3.5	2.8	1.3	0.5	1.6	1.1	1.0	0.6	0.5	0.7	2.8	6.0	22.4	5360	
11 - 15		3.2	2.1	0.7	0.1	0.9	1.7	1.2	0.4	0.4	0.4	3.4	9.2	23.6	5649	
16 - 20		1.1	0.6	0.3	*	0.4	2.0	0.8	0.2	0.1	0.2	2.4	6.6	14.7	3520	
21 - 24		0.1	*	*	*	0.3	0.8	0.2	0.1	*	*	0.6	1.6	3.9	922	
25 - 33		*	*	-	-	0.2	0.5	0.1	*	*	*	0.2	0.6	1.6	386	
34 - 47		-	-	-	-	*	0.1	-	-	-	-	-	*	0.1	34	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.5	11.7	9.1	5.3	3.2	6.9	8.5	5.0	2.9	2.5	3.7	12.6	28.3	100.0		
TOTAL N	127	2804	2167	1261	767	1640	2032	1191	693	592	877	3013	6766		23930	

(\* < 0.05%)

STATION: 46011

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	0.6	0.1	*	*	0.1	*	*	0.1	0.1	*	0.1	0.1	0.1	1.4	464	
1 - 3		0.9	0.7	0.5	0.6	0.5	0.4	0.4	0.4	0.6	0.8	1.0	1.1	7.9	2694	
4 - 6		1.4	0.8	0.4	0.3	0.6	0.6	0.6	0.6	0.7	1.2	2.2	2.6	12.0	4094	
7 - 10		1.6	0.4	0.2	0.2	0.6	0.6	0.8	0.7	0.5	1.1	4.6	6.8	18.1	6183	
11 - 15		1.2	0.2	*	*	0.4	0.8	0.8	0.2	0.2	0.4	6.0	14.1	24.2	8286	
16 - 20		0.3	*	-	*	0.2	0.8	0.3	0.1	0.1	0.1	6.7	15.5	24.1	8222	
21 - 24		*	-	-	*	0.1	0.2	0.1	*	*	*	3.1	5.9	9.4	3221	
25 - 33		*	-	-	*	0.1	0.1	*	-	-	-	1.3	1.5	2.9	996	
34 - 47		-	-	-	-	-	*	-	-	-	-	*	*	0.0	13	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.6	5.5	2.1	1.2	1.2	2.5	3.7	3.0	2.0	2.2	3.6	24.9	47.5	100.0		
TOTAL N	215	1882	723	398	398	852	1262	1042	694	743	1237	8506	16221		34173	

(\* < 0.05%)

STATION: 46011

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	0.5	0.1	0.1	*	0.1	0.1	*	0.1	0.1	*	0.1	0.1	0.1	1.2	495	
1 - 3		1.3	0.8	0.5	0.5	0.6	0.4	0.5	0.6	0.7	1.3	1.8	1.6	10.6	4358	
4 - 6		1.7	0.5	0.2	0.2	0.3	0.4	0.5	0.6	0.8	1.7	4.6	4.8	16.5	6783	
7 - 10		1.4	0.1	*	*	0.1	0.2	0.3	0.3	0.2	0.8	8.0	12.8	24.2	9978	
11 - 15		0.6	*	-	-	-	0.1	0.2	*	*	0.1	6.9	18.2	26.1	10753	
16 - 20		0.1	-	-	-	-	*	0.1	*	*	*	4.9	11.2	16.4	6744	
21 - 24		*	-	-	-	-	*	-	-	-	-	1.9	2.6	4.5	1851	
25 - 33		-	-	-	-	-	*	-	-	-	-	0.3	0.3	0.6	246	
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.5	5.3	1.5	0.7	0.7	1.1	1.1	1.6	1.7	1.8	4.0	28.5	51.6	100.0		
TOTAL N	189	2169	619	304	294	447	457	679	680	741	1634	11740	21255		41208	

(\* < 0.05%)



> 48	-	*	2.2	2.7	1.5	0.4	0.1	0.1	0.1	-	-	-	-	-	-	7.1	752
TOTAL %	0.1	11.2	39.4	31.9	13.1	3.2	0.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	10	1184	4162	3377	1381	336	93	17	10	0	0	0	0	0	0		10570

(\* < 0.05%)

STATION: 46011

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	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	100.0	
1 - 3	*	0.6	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	1.2	137
4 - 6	0.1	2.6	3.3	0.6	0.1	-	-	-	-	-	-	-	-	-	-	6.6	778
7 - 10	0.1	4.7	5.1	1.2	0.3	*	-	-	-	-	-	-	-	-	-	11.4	1353
11 - 15	*	6.8	8.5	2.0	0.3	-	-	-	-	-	-	-	-	-	-	17.6	2093
16 - 20	-	5.2	12.1	4.2	0.8	*	-	-	-	-	-	-	-	-	-	22.2	2639
21 - 24	-	1.5	10.6	8.0	1.9	0.3	*	-	-	-	-	-	-	-	-	22.3	2642
25 - 33	-	0.1	1.8	5.0	2.5	0.4	*	-	-	-	-	-	-	-	-	9.8	1165
34 - 47	-	-	0.1	1.1	1.8	0.8	0.2	*	-	-	-	-	-	-	-	4.0	472
> 48	-	-	-	-	-	*	*	*	-	-	-	-	-	-	-	0.0	5
TOTAL %	0.2	22.6	43.9	23.1	8.3	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	18	2681	5213	2739	979	196	31	5	0	0	0	0	0	0	0		11862

(\* < 0.05%)

STATION: 46011

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	>13.4	100.0	
1 - 3	*	0.6	0.8	0.1	-	-	-	-	-	-	-	-	-	-	-	1.6	200
4 - 6	0.1	3.2	4.2	0.8	*	*	-	-	-	-	-	-	-	-	-	8.4	1066
7 - 10	*	4.5	5.7	1.0	*	-	-	-	-	-	-	-	-	-	-	11.4	1453
11 - 15	-	5.8	8.4	1.3	0.1	-	-	-	-	-	-	-	-	-	-	15.7	1999
16 - 20	-	5.4	14.9	2.6	0.2	*	-	-	-	-	-	-	-	-	-	23.1	2950
21 - 24	-	1.2	15.0	7.2	0.6	0.1	*	-	-	-	-	-	-	-	-	24.2	3087
25 - 33	-	*	3.4	4.8	1.0	0.1	*	-	-	-	-	-	-	-	-	9.5	1206
34 - 47	-	-	0.1	0.9	0.9	0.2	*	-	-	-	-	-	-	-	-	2.2	286
> 48	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.2	21.9	54.4	19.9	3.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	20	2790	6930	2540	400	62	8	0	0	0	0	0	0	0	0		12750

(\* < 0.05%)

STATION: 46011

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	>13.4	100.0	
1 - 3	*	0.5	0.7	0.1	-	-	-	-	-	-	-	-	-	-	-	1.3	160
4 - 6	0.1	4.4	4.8	1.1	*	-	-	-	-	-	-	-	-	-	-	10.3	1298
7 - 10	0.2	7.1	7.3	1.0	*	-	-	-	-	-	-	-	-	-	-	15.6	1967
11 - 15	0.1	9.0	9.8	1.4	*	-	-	-	-	-	-	-	-	-	-	20.2	2555
16 - 20	-	5.9	13.7	2.7	0.2	*	-	-	-	-	-	-	-	-	-	22.4	2832
21 - 24	-	1.2	12.6	6.1	0.6	*	-	-	-	-	-	-	-	-	-	20.5	2586
25 - 33	-	*	3.0	4.4	0.7	*	-	-	-	-	-	-	-	-	-	8.2	1035
34 - 47	-	-	0.2	0.5	0.3	*	-	-	-	-	-	-	-	-	-	1.0	121
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	28.2	52.4	17.2	1.9	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	3566	6611	2168	235	12	0	0	0	0	0	0	0	0	0		12628

(\* < 0.05%)

STATION: 46011

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	>13.4	100.0	
1 - 3	*	0.5	0.6	0.1	-	-	-	-	-	-	-	-	-	-	-	1.2	150

1 - 3	-	5.8	5.5	0.2	-	-	-	-	-	-	-	-	-	-	-	11.5	1486
4 - 6	-	9.7	6.6	0.2	-	-	-	-	-	-	-	-	-	-	-	16.5	2131
7 - 10	-	14.8	9.2	0.3	-	-	-	-	-	-	-	-	-	-	-	24.3	3135
11 - 15	-	9.9	14.9	1.0	*	-	-	-	-	-	-	-	-	-	-	25.8	3328
16 - 20	-	1.7	12.3	2.3	*	-	-	-	-	-	-	-	-	-	-	16.4	2116
21 - 24	-	*	2.2	1.6	-	-	-	-	-	-	-	-	-	-	-	3.8	487
25 - 33	-	-	0.2	0.5	-	-	-	-	-	-	-	-	-	-	-	0.7	88
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	42.4	51.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	5479	6653	789	2	0	0	0	0	0	0	0	0	0	0		12923

(\* < 0.05%)

STATION: 46011

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

Month: AUG

WAVE HEIGHT

WIND SPEED	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	TOT %	TOT N
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	152
1 - 3	0.1	0.6	0.4	*	-	-	-	-	-	-	-	-	-	-	-	10.0	1396
4 - 6	0.5	5.8	3.5	0.1	-	-	-	-	-	-	-	-	-	-	-	17.1	2392
7 - 10	0.3	10.4	6.3	0.1	-	-	-	-	-	-	-	-	-	-	-	26.8	3741
11 - 15	0.2	16.3	10.0	0.2	-	-	-	-	-	-	-	-	-	-	-	29.8	4164
16 - 20	*	12.8	16.2	0.8	-	-	-	-	-	-	-	-	-	-	-	13.3	1853
21 - 24	-	1.7	10.5	1.1	-	-	-	-	-	-	-	-	-	-	-	1.8	252
25 - 33	-	*	1.3	0.5	-	-	-	-	-	-	-	-	-	-	-	0.1	19
34 - 47	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	8
TOTAL %	1.2	47.7	48.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	163	6661	6751	402	0	0	0	0	0	0	0	0	0	0	0		13977

(\* < 0.05%)

STATION: 46011

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

Month: SEP

WAVE HEIGHT

WIND SPEED	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	TOT %	TOT N
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	-	1.2	161
1 - 3	-	0.6	0.5	*	-	-	-	-	-	-	-	-	-	-	-	12.5	1710
4 - 6	*	5.6	6.1	0.8	*	-	-	-	-	-	-	-	-	-	-	19.9	2717
7 - 10	*	10.0	8.7	1.1	*	-	-	-	-	-	-	-	-	-	-	26.8	3667
11 - 15	-	14.0	11.6	1.1	0.1	-	-	-	-	-	-	-	-	-	-	24.3	3327
16 - 20	-	10.6	12.1	1.5	0.1	-	-	-	-	-	-	-	-	-	-	12.4	1696
21 - 24	-	1.9	8.4	1.9	0.2	*	-	-	-	-	-	-	-	-	-	2.6	353
25 - 33	-	-	1.4	1.0	0.1	-	-	-	-	-	-	-	-	-	-	0.3	36
34 - 47	-	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	7
TOTAL %	0.0	42.8	49.0	7.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	5852	6698	1029	90	1	0	0	0	0	0	0	0	0	0		13674

(\* < 0.05%)

STATION: 46011

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

Month: OCT

WAVE HEIGHT

WIND SPEED	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	TOT %	TOT N
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	-	1.3	153
1 - 3	-	0.5	0.6	0.1	-	-	-	-	-	-	-	-	-	-	-	12.4	1509
4 - 6	0.1	5.2	5.9	0.9	0.2	*	-	-	-	-	-	-	-	-	-	19.5	2380
7 - 10	0.1	8.2	9.7	1.3	0.2	*	-	-	-	-	-	-	-	-	-	23.1	2813
11 - 15	*	9.0	10.5	2.9	0.6	0.1	-	-	-	-	-	-	-	-	-	23.1	2813
16 - 20	*	6.5	11.8	3.8	0.8	0.1	-	-	-	-	-	-	-	-	-	14.7	1797
21 - 24	-	1.2	8.2	4.0	1.1	0.2	-	-	-	-	-	-	-	-	-	4.3	519
25 - 33	-	*	1.3	2.0	0.7	0.2	-	-	-	-	-	-	-	-	-	0.8	92
34 - 47	-	*	0.1	0.3	0.3	0.1	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	31.1	48.6	15.4	4.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	29	3786	5920	1877	494	84	0	0	0	0	0	0	0	0	0		12190

(\* < 0.05%)

STATION: 46011

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	>13.4	TOT %	TOT N
1 - 3	0.2	0.6	0.6	0.2	*	-	-	-	-	-	-	-	-	-	-	1.5	157
4 - 6	1.1	3.4	4.9	1.4	0.4	0.1	*	-	-	-	-	-	-	-	-	11.4	1201
7 - 10	0.5	4.2	7.9	3.4	0.9	0.3	0.1	-	-	-	-	-	-	-	-	17.4	1828
11 - 15	0.1	4.7	10.8	5.4	1.8	0.4	*	-	-	-	-	-	-	-	-	23.3	2453
16 - 20	0.1	2.8	10.2	7.3	2.3	0.8	0.1	-	-	-	-	-	-	-	-	23.6	2485
21 - 24	*	0.9	5.8	6.3	1.9	0.6	0.1	*	-	-	-	-	-	-	-	15.6	1642
25 - 33	-	*	0.9	1.6	0.9	0.2	0.1	-	-	-	-	-	-	-	-	3.7	392
34 - 47	-	-	0.1	0.3	0.3	0.1	*	-	-	-	-	-	-	-	-	0.8	87
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	2.0	17.0	42.5	26.3	9.0	2.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	215	1788	4473	2769	946	284	56	2	0	0	0	0	0	0	0		10533

(\* < 0.05%)

STATION: 46011

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	>13.4	TOT %	TOT N
1 - 3	-	0.5	0.8	0.2	0.1	0.1	*	-	-	-	-	-	-	-	-	1.6	150
4 - 6	-	3.5	5.7	2.7	0.9	0.3	0.1	*	-	-	-	-	-	-	-	13.1	1201
7 - 10	-	5.1	7.6	3.9	1.5	0.3	0.2	*	-	-	-	-	-	-	-	18.8	1718
11 - 15	-	4.7	7.5	5.8	2.3	0.6	0.2	*	*	-	-	-	-	-	-	21.1	1934
16 - 20	-	2.9	9.1	5.9	3.2	1.0	0.3	*	*	-	-	-	-	-	-	22.3	2043
21 - 24	-	1.0	5.2	4.4	2.0	1.0	0.3	0.1	-	-	-	-	-	-	-	13.9	1275
25 - 33	-	0.1	0.9	1.1	0.6	0.6	0.2	0.1	-	-	-	-	-	-	-	3.5	318
34 - 47	-	-	0.2	0.3	0.3	0.2	0.3	0.1	-	-	-	-	-	-	-	1.4	126
> 48	-	-	*	*	*	0.1	-	-	-	-	-	-	-	-	-	0.1	11
TOTAL %	0.0	18.6	38.2	25.6	11.3	4.3	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1700	3498	2342	1036	395	150	28	2	0	0	0	0	0	0		9151

(\* < 0.05%)

STATION: 46011

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	>13.4	TOT %	TOT N
1 - 3	*	0.5	0.6	0.1	*	*	*	*	-	-	-	-	-	-	-	1.3	1767
4 - 6	0.2	4.1	4.8	1.1	0.2	0.1	*	*	*	-	-	-	-	-	-	10.5	14361
7 - 10	0.1	6.5	7.2	1.7	0.5	0.1	*	*	*	-	-	-	-	-	-	16.1	21992
11 - 15	*	8.5	9.5	2.6	0.8	0.2	0.1	*	*	-	-	-	-	-	-	21.8	29804
16 - 20	*	6.2	12.3	3.8	1.2	0.3	0.1	*	*	-	-	-	-	-	-	23.9	32688
21 - 24	*	1.2	9.2	4.9	1.2	0.3	0.1	*	-	-	-	-	-	-	-	16.9	23187
25 - 33	-	*	1.7	2.4	0.8	0.2	*	*	-	-	-	-	-	-	-	5.2	7053
34 - 47	-	*	0.1	0.5	0.4	0.2	0.1	*	*	*	-	-	-	-	-	1.3	1778
> 48	-	-	*	*	*	*	*	*	*	*	-	-	-	-	-	0.0	46
TOTAL %	0.4	27.4	46.5	18.0	5.6	1.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	505	37496	63617	24619	7711	2137	594	120	19	4	0	0	0	0	0		136822

(\* < 0.05%)

STATION: 46011

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	>13.4	TOT %	TOT N
1 - 3	-	0.4	0.7	0.2	0.1	*	*	*	-	-	-	-	-	-	-	1.5	374
4 - 6	*	3.0	5.5	2.5	0.8	0.2	0.1	*	*	-	-	-	-	-	-	12.1	3119
7 - 10	*	4.0	7.9	3.7	1.5	0.4	0.1	*	*	-	-	-	-	-	-	17.7	4558
11 - 15	*	3.5	8.6	5.5	2.2	0.7	0.3	*	*	-	-	-	-	-	-	20.8	5350
16 - 20	-	2.3	8.8	6.3	3.2	1.0	0.3	*	*	-	-	-	-	-	-	21.9	5642
21 - 24	-	0.6	4.9	4.8	2.1	0.9	0.3	0.1	-	-	-	-	-	-	-	13.6	3510
25 - 33	-	*	0.9	1.2	0.9	0.4	0.1	0.1	-	-	-	-	-	-	-	3.6	920
> 48	-	-	0.2	0.4	0.4	0.3	0.2	0.1	*	*	-	-	-	-	-	1.5	386





8.5 - 9.4	-	0.5	1.2	1.2	0.2	*	-	-	-	-	-	-	-	-	-	3.2	336
9.5 - 10.4	-	1.0	2.8	1.4	0.6	0.2	*	-	-	-	-	-	-	-	-	5.9	621
10.5 - 11.4	-	2.1	6.6	3.3	0.9	0.3	-	-	-	-	-	-	-	-	-	13.2	1392
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	2.7	10.3	7.3	2.7	0.8	0.2	-	-	-	-	-	-	-	-	23.9	2530
13.5 - 14.4	*	2.7	8.8	10.5	5.3	0.9	0.2	*	-	-	-	-	-	-	-	28.3	2991
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.8	4.5	4.6	2.6	0.7	0.5	0.1	*	-	-	-	-	-	-	13.7	1449
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	1.7	1.1	0.5	0.3	0.1	0.1	0.1	-	-	-	-	-	-	4.0	420
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	-	-	-	-	-	-	-	-	-	0.2	24
TOTAL %	0.1	11.2	39.4	31.9	13.1	3.2	0.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	10	1183	4161	3375	1381	336	93	17	10	0	0	0	0	0	0		10566

(\* < 0.05%)

STATION: 46011

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	0
3.5 - 4.4	-	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3	32
4.5 - 5.4	-	0.8	0.5	*	-	-	-	-	-	-	-	-	-	-	-	1.3	151
5.5 - 6.4	-	0.8	2.3	0.2	-	-	-	-	-	-	-	-	-	-	-	3.2	381
6.5 - 7.4	0.1	0.6	2.6	0.6	*	-	-	-	-	-	-	-	-	-	-	3.9	465
7.5 - 8.4	0.1	1.6	3.9	3.6	0.8	-	-	-	-	-	-	-	-	-	-	9.9	1176
8.5 - 9.4	-	1.8	3.1	2.9	1.1	0.1	-	-	-	-	-	-	-	-	-	9.0	1063
9.5 - 10.4	-	2.3	5.9	2.7	1.3	0.3	0.1	-	-	-	-	-	-	-	-	12.5	1482
10.5 - 11.4	-	3.3	7.0	3.6	1.2	0.4	0.1	*	-	-	-	-	-	-	-	15.6	1848
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	4.3	8.6	4.8	1.0	0.3	0.1	*	-	-	-	-	-	-	-	19.2	2275
13.5 - 14.4	*	4.7	6.7	3.1	1.8	0.2	-	-	-	-	-	-	-	-	-	16.6	1968
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.1	3.0	1.1	0.9	0.3	*	-	-	-	-	-	-	-	-	7.5	888
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	0.4	0.3	0.2	0.1	-	-	-	-	-	-	-	-	-	1.1	126
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.2	22.6	43.9	23.1	8.3	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	18	2680	5211	2739	979	196	31	5	0	0	0	0	0	0	0		11859

(\* < 0.05%)

STATION: 46011

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	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	18
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	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	41
4.5 - 5.4	-	0.9	0.3	-	-	-	-	-	-	-	-	-	-	-	-	1.2	154
5.5 - 6.4	-	1.5	3.9	0.2	-	-	-	-	-	-	-	-	-	-	-	5.7	721
6.5 - 7.4	-	0.9	8.3	1.4	*	-	-	-	-	-	-	-	-	-	-	10.7	1359
7.5 - 8.4	-	1.8	8.3	4.8	0.3	*	-	-	-	-	-	-	-	-	-	15.3	1947
8.5 - 9.4	-	2.2	6.3	3.2	0.7	*	-	-	-	-	-	-	-	-	-	12.5	1592
9.5 - 10.4	-	2.6	7.9	3.5	0.9	0.1	-	-	-	-	-	-	-	-	-	15.0	1918
10.5 - 11.4	-	1.6	7.2	2.9	0.7	0.2	*	-	-	-	-	-	-	-	-	12.7	1620
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.7	5.1	2.2	0.3	0.2	*	-	-	-	-	-	-	-	-	10.4	1330
13.5 - 14.4	-	4.7	3.3	1.0	0.1	*	*	-	-	-	-	-	-	-	-	9.2	1171



TOTAL %	0.0	42.4	51.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
TOTAL N	0	5477	6653	789	2	0	0	0	0	0	0	0	0	0	0	12921

(\* < 0.05%)

STATION: 46011

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT 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	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	134
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	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	50
4.5 - 5.4	-	2.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	2.8	390
5.5 - 6.4	-	3.7	4.4	*	-	-	-	-	-	-	-	-	-	-	-	8.1	1134
6.5 - 7.4	-	3.8	11.1	0.3	-	-	-	-	-	-	-	-	-	-	-	15.3	2134
7.5 - 8.4	0.1	9.1	13.2	1.3	-	-	-	-	-	-	-	-	-	-	-	23.7	3309
8.5 - 9.4	*	7.4	6.7	0.6	-	-	-	-	-	-	-	-	-	-	-	14.7	2056
9.5 - 10.4	*	5.5	6.0	0.4	-	-	-	-	-	-	-	-	-	-	-	11.9	1670
10.5 - 11.4	*	2.9	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	5.1	716
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	1.9	1.1	*	-	-	-	-	-	-	-	-	-	-	-	3.0	423
13.5 - 14.4	*	5.4	1.0	0.1	-	-	-	-	-	-	-	-	-	-	-	6.5	912
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	*	4.7	1.8	*	-	-	-	-	-	-	-	-	-	-	-	6.5	912
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	*	0.7	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.9	132
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	1.2	47.7	48.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	163	6661	6751	402	0	0	0	0	0	0	0	0	0	0	0	13977	

(\* < 0.05%)

STATION: 46011

5 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS DOMINANT 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	2
3.5 - 4.4	-	0.3	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	40
4.5 - 5.4	-	1.9	0.6	-	-	-	-	-	-	-	-	-	-	-	-	2.5	341
5.5 - 6.4	-	3.0	3.6	*	-	-	-	-	-	-	-	-	-	-	-	6.7	915
6.5 - 7.4	-	2.0	5.4	0.4	-	-	-	-	-	-	-	-	-	-	-	7.9	1075
7.5 - 8.4	-	5.4	6.8	1.0	0.1	-	-	-	-	-	-	-	-	-	-	13.2	1808
8.5 - 9.4	-	5.7	5.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	11.3	1548
9.5 - 10.4	-	6.4	8.1	1.1	0.1	-	-	-	-	-	-	-	-	-	-	15.6	2131
10.5 - 11.4	-	4.6	6.2	1.3	*	-	-	-	-	-	-	-	-	-	-	12.2	1661
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	3.9	5.2	1.2	0.1	-	-	-	-	-	-	-	-	-	-	10.4	1418
13.5 - 14.4	*	5.7	4.2	1.0	0.1	-	-	-	-	-	-	-	-	-	-	11.1	1511
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	3.4	2.7	0.8	0.3	*	-	-	-	-	-	-	-	-	-	7.2	985
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.4	0.8	0.2	-	-	-	-	-	-	-	-	-	-	-	1.5	201
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	-	-	-	-	-	-	-	-	-	-	-	-	0.2	30
TOTAL %	0.0	42.8	49.0	7.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	5849	6693	1029	90	1	0	0	0	0	0	0	0	0	0	13666	

(\* < 0.05%)

STATION: 46011

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

Month: OCT

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	4
3.5 - 4.4	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	19
4.5 - 5.4	-	0.9	0.4	-	-	-	-	-	-	-	-	-	-	-	-	1.3	153
5.5 - 6.4	-	1.6	1.5	*	-	-	-	-	-	-	-	-	-	-	-	3.2	391
6.5 - 7.4	*	1.1	3.1	0.5	*	-	-	-	-	-	-	-	-	-	-	4.6	565
7.5 - 8.4	*	3.2	3.8	1.5	0.2	*	-	-	-	-	-	-	-	-	-	8.7	1058
8.5 - 9.4	*	3.3	3.3	0.9	0.1	*	-	-	-	-	-	-	-	-	-	7.7	937
9.5 - 10.4	0.1	3.9	5.8	1.5	0.3	0.1	-	-	-	-	-	-	-	-	-	11.7	1430
10.5 - 11.4	*	5.0	7.2	2.1	0.9	0.2	-	-	-	-	-	-	-	-	-	15.4	1873
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	5.0	10.7	2.9	0.7	0.2	-	-	-	-	-	-	-	-	-	19.4	2365
13.5 - 14.4	-	4.6	7.8	4.0	1.2	0.1	-	-	-	-	-	-	-	-	-	17.7	2154
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.2	3.9	1.4	0.7	0.1	-	-	-	-	-	-	-	-	-	8.3	1010
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	1.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	1.8	220
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.2	31.1	48.6	15.4	4.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	29	3785	5916	1875	494	84	0	0	0	0	0	0	0	0	0		12183

(\* < 0.05%)

STATION: 46011

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	0
3.5 - 4.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	10
4.5 - 5.4	-	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.3	36
5.5 - 6.4	-	0.4	0.6	0.1	-	-	-	-	-	-	-	-	-	-	-	1.0	104
6.5 - 7.4	*	0.5	0.8	0.3	-	-	-	-	-	-	-	-	-	-	-	1.6	169
7.5 - 8.4	*	0.9	1.9	1.3	0.2	-	-	-	-	-	-	-	-	-	-	4.3	453
8.5 - 9.4	*	0.8	1.4	0.7	0.2	*	-	-	-	-	-	-	-	-	-	3.1	331
9.5 - 10.4	*	1.9	3.5	1.3	0.5	*	-	-	-	-	-	-	-	-	-	7.3	766
10.5 - 11.4	*	3.0	9.3	2.7	0.6	0.1	*	-	-	-	-	-	-	-	-	15.8	1667
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	0.2	4.0	12.2	7.2	1.4	0.1	*	-	-	-	-	-	-	-	-	25.1	2638
13.5 - 14.4	1.0	3.2	8.5	8.5	3.5	1.0	0.1	-	-	-	-	-	-	-	-	25.8	2719
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	0.8	1.8	3.4	3.3	2.3	1.5	0.4	*	-	-	-	-	-	-	-	13.4	1410
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	0.9	0.8	0.2	-	-	-	-	-	-	-	-	-	-	2.1	221
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 %	2.0	17.0	42.5	26.3	9.0	2.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	212	1788	4473	2768	946	284	56	2	0	0	0	0	0	0	0		10529

(\* < 0.05%)

STATION: 46011

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT											
	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	10.5- 11.4	12.5-







TOTAL N 0 939 3534 2338 1051 341 111 33 4 4 0 0 0 0 0 8355  
 (\* < 0.05%)

STATION: 46011

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

Month: FEB

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	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	*	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.2	13
4.5 - 5.4	*	1.5	1.0	*	-	-	-	-	-	-	-	-	-	-	-	2.5	200
5.5 - 6.4	0.1	3.1	5.8	1.5	*	-	-	-	-	-	-	-	-	-	-	10.4	848
6.5 - 7.4	*	2.5	9.0	3.6	1.0	*	-	-	-	-	-	-	-	-	-	16.3	1330
7.5 - 8.4	-	2.9	9.0	6.6	2.6	0.5	*	-	-	-	-	-	-	-	-	21.7	1768
8.5 - 9.4	-	1.8	6.9	6.7	3.3	0.7	0.1	0.1	-	-	-	-	-	-	-	19.6	1596
9.5 - 10.4	-	0.7	3.8	4.4	3.2	1.3	0.2	*	-	-	-	-	-	-	-	13.7	1120
10.5 - 11.4	-	0.4	1.5	2.0	1.8	1.3	0.6	*	-	-	-	-	-	-	-	7.6	620
11.5 - 12.4	-	0.1	1.2	1.4	0.8	0.9	0.4	*	*	-	-	-	-	-	-	5.0	404
12.5 - 13.4	-	*	0.5	0.5	0.5	0.4	0.3	0.1	-	-	-	-	-	-	-	2.3	186
13.5 - 14.4	-	-	0.1	0.3	*	0.1	0.1	*	*	-	-	-	-	-	-	0.6	51
14.5 - 15.4	-	-	-	0.1	-	*	*	*	*	-	-	-	-	-	-	0.2	14
15.5 - 16.4	-	-	-	*	-	-	-	*	-	-	-	-	-	-	-	0.1	7
TOTAL %	0.1	13.1	38.8	27.1	13.4	5.2	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	10	1070	3163	2209	1096	426	145	35	3	0	0	0	0	0	0		8157

STATION: 46011

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	13
4.5 - 5.4	0.1	1.1	1.5	*	-	-	-	-	-	-	-	-	-	-	-	2.7	282
5.5 - 6.4	*	2.2	8.5	2.6	*	-	-	-	-	-	-	-	-	-	-	13.3	1403
6.5 - 7.4	*	3.2	10.3	8.2	1.4	*	-	-	-	-	-	-	-	-	-	23.1	2446
7.5 - 8.4	-	2.3	8.4	9.3	3.9	0.8	*	-	-	-	-	-	-	-	-	24.9	2627
8.5 - 9.4	-	1.8	5.5	5.9	3.4	0.9	0.1	*	-	-	-	-	-	-	-	17.5	1850
9.5 - 10.4	-	0.2	3.0	3.4	2.2	0.8	0.3	*	-	-	-	-	-	-	-	9.9	1047
10.5 - 11.4	-	0.2	1.5	1.6	1.2	0.4	0.1	0.1	*	-	-	-	-	-	-	5.0	533
11.5 - 12.4	-	0.1	0.5	0.7	0.8	0.2	0.3	*	0.1	-	-	-	-	-	-	2.6	280
12.5 - 13.4	-	*	0.1	0.2	0.2	*	*	*	-	-	-	-	-	-	-	0.7	76
13.5 - 14.4	-	-	-	*	*	*	*	*	-	-	-	-	-	-	-	0.1	8
14.5 - 15.4	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	5
TOTAL %	0.1	11.2	39.4	31.9	13.1	3.2	0.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	10	1184	4162	3377	1381	336	93	17	10	0	0	0	0	0	0		10570

STATION: 46011

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	*	0.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.9	105
4.5 - 5.4	0.1	3.9	5.1	0.1	-	-	-	-	-	-	-	-	-	-	-	9.1	1080
5.5 - 6.4	*	5.5	15.0	5.6	0.2	-	-	-	-	-	-	-	-	-	-	26.3	3122
6.5 - 7.4	*	4.9	10.2	9.7	3.9	0.3	-	-	-	-	-	-	-	-	-	29.0	3442
7.5 - 8.4	-	3.7	7.8	4.8	2.7	0.9	0.2	*	-	-	-	-	-	-	-	20.0	2378
8.5 - 9.4	-	2.5	3.2	2.1	1.1	0.3	0.1	*	-	-	-	-	-	-	-	9.3	1106
9.5 - 10.4	-	1.0	1.5	0.6	0.2	0.1	*	-	-	-	-	-	-	-	-	3.5	416
10.5 - 11.4	-	0.4	0.8	0.2	0.2	*	-	-	-	-	-	-	-	-	-	1.5	179
11.5 - 12.4	-	*	0.2	-	*	*	-	-	-	-	-	-	-	-	-	0.3	34

TOTAL %	0.2	22.6	43.9	23.1	8.3	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	18	2681	5213	2739	979	196	31	5	0	0	0	0	0	0	0	11862

(\* < 0.05%)

STATION: 46011

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

Month: MAY

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	-	0.1	18
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	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.9	115
4.5 - 5.4	-	5.0	9.3	0.1	-	-	-	-	-	-	-	-	-	-	-	14.4	1837
5.5 - 6.4	-	5.4	21.8	8.3	0.2	-	-	-	-	-	-	-	-	-	-	35.6	4541
6.5 - 7.4	-	5.5	12.3	6.9	2.1	0.1	-	-	-	-	-	-	-	-	-	26.8	3423
7.5 - 8.4	-	3.1	6.9	2.8	0.6	0.3	-	-	-	-	-	-	-	-	-	13.7	1742
8.5 - 9.4	-	1.4	3.2	1.2	0.3	0.1	*	-	-	-	-	-	-	-	-	6.2	785
9.5 - 10.4	-	0.5	0.6	0.4	0.1	*	*	-	-	-	-	-	-	-	-	1.6	208
10.5 - 11.4	-	0.1	0.2	0.1	-	-	*	-	-	-	-	-	-	-	-	0.4	46
11.5 - 12.4	-	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.2	22
12.5 - 13.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	6
13.5 - 14.4	*	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	6
14.5 - 15.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.2	21.9	54.4	19.9	3.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	20	2790	6930	2540	400	62	8	0	0	0	0	0	0	0	0		12750

(\* < 0.05%)

STATION: 46011

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	*	0.6	*	-	-	-	-	-	-	-	-	-	-	-	-	0.7	85
4.5 - 5.4	0.2	4.9	7.9	0.2	-	-	-	-	-	-	-	-	-	-	-	13.3	1677
5.5 - 6.4	*	6.9	20.8	6.2	*	-	-	-	-	-	-	-	-	-	-	34.0	4294
6.5 - 7.4	-	8.2	12.7	6.7	1.0	*	-	-	-	-	-	-	-	-	-	28.6	3609
7.5 - 8.4	-	5.3	7.6	2.9	0.7	0.1	-	-	-	-	-	-	-	-	-	16.6	2093
8.5 - 9.4	-	1.7	2.6	1.1	0.1	*	-	-	-	-	-	-	-	-	-	5.5	696
9.5 - 10.4	-	0.5	0.6	0.1	*	-	-	-	-	-	-	-	-	-	-	1.3	158
10.5 - 11.4	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	16
TOTAL %	0.3	28.2	52.4	17.2	1.9	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	3566	6611	2168	235	12	0	0	0	0	0	0	0	0	0		12628

(\* < 0.05%)

STATION: 46011

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	-	0.9	*	-	-	-	-	-	-	-	-	-	-	-	-	0.9	121
4.5 - 5.4	-	10.5	9.4	*	-	-	-	-	-	-	-	-	-	-	-	19.9	2575
5.5 - 6.4	-	11.3	23.6	3.5	-	-	-	-	-	-	-	-	-	-	-	38.5	4974
6.5 - 7.4	-	12.3	10.9	1.9	*	-	-	-	-	-	-	-	-	-	-	25.1	3250
7.5 - 8.4	-	6.2	6.2	0.6	*	-	-	-	-	-	-	-	-	-	-	12.9	1665
8.5 - 9.4	-	1.0	1.3	0.1	-	-	-	-	-	-	-	-	-	-	-	2.4	314
9.5 - 10.4	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.2	23
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	42.4	51.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	5479	6653	789	2	0	0	0	0	0	0	0	0	0	0		12923

(\* < 0.05%)

STATION: 46011

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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		1.0	134
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	-	1.6	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.8	245
4.5 - 5.4	-	12.4	10.2	0.1	-	-	-	-	-	-	-	-	-	-	-	22.7	3168
5.5 - 6.4	0.1	14.3	22.5	1.6	-	-	-	-	-	-	-	-	-	-	-	38.4	5373
6.5 - 7.4	*	11.2	9.2	1.0	-	-	-	-	-	-	-	-	-	-	-	21.5	3003
7.5 - 8.4	0.1	6.0	4.1	0.2	-	-	-	-	-	-	-	-	-	-	-	10.5	1463
8.5 - 9.4	*	1.6	1.7	*	-	-	-	-	-	-	-	-	-	-	-	3.4	470
9.5 - 10.4	*	0.4	0.3	-	-	-	-	-	-	-	-	-	-	-	-	0.8	105
10.5 - 11.4	*	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	14
11.5 - 12.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	1.2	47.7	48.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	163	6661	6751	402	0	0	0	0	0	0	0	0	0	0	0		13977

(\* < 0.05%)

STATION: 46011

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	-	1.0	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.1	148
4.5 - 5.4	-	9.0	7.0	*	-	-	-	-	-	-	-	-	-	-	-	16.1	2201
5.5 - 6.4	*	11.6	13.4	1.3	-	-	-	-	-	-	-	-	-	-	-	26.3	3598
6.5 - 7.4	*	11.0	11.2	2.5	0.2	-	-	-	-	-	-	-	-	-	-	24.9	3408
7.5 - 8.4	-	6.7	10.2	1.5	0.1	-	-	-	-	-	-	-	-	-	-	18.4	2520
8.5 - 9.4	-	2.9	5.0	1.2	0.2	-	-	-	-	-	-	-	-	-	-	9.4	1279
9.5 - 10.4	-	0.5	1.2	0.5	0.1	*	-	-	-	-	-	-	-	-	-	2.4	333
10.5 - 11.4	-	0.1	0.4	0.2	*	-	-	-	-	-	-	-	-	-	-	0.7	90
11.5 - 12.4	-	*	0.2	0.1	*	-	-	-	-	-	-	-	-	-	-	0.3	44
12.5 - 13.4	-	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	33
13.5 - 14.4	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	18
14.5 - 15.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	42.8	49.0	7.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	5852	6698	1029	90	1	0	0	0	0	0	0	0	0	0		13674

(\* < 0.05%)

STATION: 46011

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		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	*	-	-	-	-	-	-	-	-	-	-	-	-	0.8	94
4.5 - 5.4	-	4.6	2.8	-	-	-	-	-	-	-	-	-	-	-	-	7.4	906
5.5 - 6.4	0.1	7.4	11.7	2.0	*	-	-	-	-	-	-	-	-	-	-	21.3	2595
6.5 - 7.4	0.1	7.9	11.9	4.2	0.6	*	-	-	-	-	-	-	-	-	-	24.6	3002
7.5 - 8.4	-	5.3	10.4	4.0	1.4	0.3	-	-	-	-	-	-	-	-	-	21.5	2617
8.5 - 9.4	-	3.7	6.2	2.8	1.0	0.1	-	-	-	-	-	-	-	-	-	13.8	1685
9.5 - 10.4	-	1.2	3.3	1.2	0.4	0.1	-	-	-	-	-	-	-	-	-	6.3	768
10.5 - 11.4	-	0.1	1.6	0.8	0.3	*	-	-	-	-	-	-	-	-	-	2.8	342
11.5 - 12.4	-	*	0.7	0.3	0.2	*	-	-	-	-	-	-	-	-	-	1.3	155
12.5 - 13.4	-	-	*	0.1	*	*	-	-	-	-	-	-	-	-	-	0.2	22
13.5 - 14.4	-	-	*	*	-	*	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.2	31.1	48.6	15.4	4.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	29	3786	5920	1877	494	84	0	0	0	0	0	0	0	0	0		12190

(\* < 0.05%)

STATION: 46011

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

Month: NOV

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	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	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	30
4.5 - 5.4	*	1.6	1.2	*	-	-	-	-	-	-	-	-	-	-	-	2.9	302
5.5 - 6.4	0.2	3.1	6.1	1.1	-	-	-	-	-	-	-	-	-	-	-	10.5	1110
6.5 - 7.4	0.2	4.3	10.2	5.1	0.9	*	-	-	-	-	-	-	-	-	-	20.7	2185
7.5 - 8.4	0.7	3.8	11.6	6.7	1.4	0.1	*	-	-	-	-	-	-	-	-	24.3	2559
8.5 - 9.4	0.5	2.6	7.6	6.0	2.1	0.4	0.1	-	-	-	-	-	-	-	-	19.3	2029
9.5 - 10.4	0.4	1.0	4.0	4.4	2.0	0.6	*	-	-	-	-	-	-	-	-	12.4	1308
10.5 - 11.4	*	0.3	1.1	1.8	1.5	0.7	0.1	-	-	-	-	-	-	-	-	5.6	586
11.5 - 12.4	-	*	0.5	0.9	0.8	0.5	0.1	*	-	-	-	-	-	-	-	2.9	310
12.5 - 13.4	-	*	0.1	0.3	0.2	0.2	0.1	-	-	-	-	-	-	-	-	0.9	97
13.5 - 14.4	-	-	-	*	*	0.1	*	-	-	-	-	-	-	-	-	0.2	16
14.5 - 15.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	2.0	17.0	42.5	26.3	9.0	2.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	215	1788	4473	2769	946	284	56	2	0	0	0	0	0	0	0		10533

(\* < 0.05%)

STATION: 46011

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	-	0.4	*	-	-	-	-	-	-	-	-	-	-	-	-	0.4	37
4.5 - 5.4	-	2.0	1.6	*	-	-	-	-	-	-	-	-	-	-	-	3.6	331
5.5 - 6.4	-	3.7	5.6	0.7	0.1	-	-	-	-	-	-	-	-	-	-	10.1	922
6.5 - 7.4	-	3.9	7.0	3.2	0.6	0.1	-	-	-	-	-	-	-	-	-	14.7	1345
7.5 - 8.4	-	3.6	8.1	6.7	1.4	0.4	0.1	-	-	-	-	-	-	-	-	20.4	1864
8.5 - 9.4	-	2.2	6.5	5.9	3.0	1.1	0.4	0.1	-	-	-	-	-	-	-	19.2	1754
9.5 - 10.4	-	1.6	3.9	4.6	2.4	1.0	0.2	0.1	-	-	-	-	-	-	-	13.7	1255
10.5 - 11.4	-	0.8	2.8	2.4	1.9	0.7	0.2	-	-	-	-	-	-	-	-	8.8	806
11.5 - 12.4	-	0.3	1.8	1.0	1.1	0.6	0.3	*	-	-	-	-	-	-	-	5.2	475
12.5 - 13.4	-	*	0.8	0.6	0.6	0.3	0.3	0.1	-	-	-	-	-	-	-	2.8	256
13.5 - 14.4	-	-	0.1	0.3	0.2	0.1	0.1	*	*	-	-	-	-	-	-	0.8	75
14.5 - 15.4	-	-	0.1	0.1	0.1	*	*	*	-	-	-	-	-	-	-	0.3	27
15.5 - 16.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	3
16.5 - 17.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	18.6	38.2	25.6	11.3	4.3	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1700	3498	2342	1036	395	150	28	2	0	0	0	0	0	0		9151

(\* < 0.05%)

STATION: 46011

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	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	152
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	*	0.7	*	-	-	-	-	-	-	-	-	-	-	-	-	0.7	1007
4.5 - 5.4	*	5.3	5.4	*	-	-	-	-	-	-	-	-	-	-	-	10.8	14729
5.5 - 6.4	*	6.9	14.3	3.1	*	-	-	-	-	-	-	-	-	-	-	24.3	33300
6.5 - 7.4	*	6.9	10.4	4.7	1.0	*	-	-	-	-	-	-	-	-	-	23.0	31492
7.5 - 8.4	0.1	4.5	8.1	4.0	1.2	0.3	*	*	-	-	-	-	-	-	-	18.2	24862
8.5 - 9.4	*	2.1	4.5	2.9	1.2	0.3	0.1	*	-	-	-	-	-	-	-	11.2	15260
9.5 - 10.4	*	0.7	2.1	1.7	1.0	0.3	0.1	*	*	*	-	-	-	-	-	6.0	8149
10.5 - 11.4	*	0.2	1.0	0.9	0.6	0.3	0.1	*	*	*	-	-	-	-	-	3.1	4217
11.5 - 12.4	*	0.1	0.5	0.4	0.3	0.2	0.1	*	*	*	-	-	-	-	-	1.7	2290
12.5 - 13.4	-	*	0.2	0.2	0.2	0.1	0.1	*	-	-	-	-	-	-	-	0.7	942
13.5 - 14.4	*	-	*	0.1	*	*	*	*	*	*	-	-	-	-	-	0.2	280
14.5 - 15.4	*	-	*	*	*	*	*	*	*	*	-	-	-	-	-	0.1	70
15.5 - 16.4	-	-	-	*	*	-	-	*	-	-	-	-	-	-	-	0.0	17



11.5 - 12.4	*	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.5	39.7	50.6	8.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	199	15706	20015	3359	237	12	0	0	0	0	0	0	0	0	0		39528

(\* < 0.05%)

STATION: 46011

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-	0.5-	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	*	0.7	*	-	-	-	-	-	-	-	-	-	-	-	-	0.7	272
4.5 - 5.4	*	5.4	3.9	*	-	-	-	-	-	-	-	-	-	-	-	9.4	3409
5.5 - 6.4	0.1	7.7	10.7	1.5	*	-	-	-	-	-	-	-	-	-	-	20.1	7303
6.5 - 7.4	0.1	8.0	11.2	3.8	0.5	*	-	-	-	-	-	-	-	-	-	23.6	8595
7.5 - 8.4	0.2	5.4	10.7	3.8	0.9	0.1	*	-	-	-	-	-	-	-	-	21.1	7696
8.5 - 9.4	0.2	3.1	6.1	3.1	1.0	0.1	*	-	-	-	-	-	-	-	-	13.7	4993
9.5 - 10.4	0.1	0.9	2.7	1.9	0.8	0.2	*	-	-	-	-	-	-	-	-	6.6	2409
10.5 - 11.4	*	0.2	1.0	0.8	0.6	0.2	*	-	-	-	-	-	-	-	-	2.8	1018
11.5 - 12.4	-	*	0.5	0.4	0.3	0.2	*	*	-	-	-	-	-	-	-	1.4	509
12.5 - 13.4	-	*	0.1	0.2	0.1	0.1	*	-	-	-	-	-	-	-	-	0.4	152
13.5 - 14.4	-	-	*	*	*	*	*	-	-	-	-	-	-	-	-	0.1	38
14.5 - 15.4	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.7	31.4	47.0	15.6	4.2	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	248	11426	17091	5675	1530	369	56	2	0	0	0	0	0	0	0		36397

(\* < 0.05%)

Summary complete: 09-Sep-2003 05:02:15