

STATION: 46063

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (4/1998 - 12/2001) (29749 RECORDS, 98.9% 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	F	CPF
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	#	-	-	-	-	-	-	2	#	
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	999	5	999	1	#	-	-	-	-	15	999		
18	1	#	-	-	-	-	-	-	3	#	-	-	13	#	6	#	100	996	34	998	6	999	1	#	164	999		
17	3	999	1	#	-	-	-	-	7	999	10	#	165	994	145	997	527	961	88	986	32	998	13	999	991	994		
16	18	998	16	999	-	-	3	#	30	997	59	995	247	919	462	933	738	777	490	957	154	986	41	995	2258	961		
15	46	990	36	992	6	#	11	999	103	986	381	967	369	807	632	728	664	519	1040	791	458	932	154	981	3900	885		
14	177	969	133	974	34	997	69	994	530	951	603	788	871	639	608	447	674	286	944	439	1017	771	516	930	6176	754		
13	858	890	528	908	447	982	314	962	991	770	380	503	520	244	359	176	143	50	331	119	938	414	1099	756	6908	546		
12	723	503	658	647	779	778	414	818	566	431	409	324	17	8	36	17	-	-	20	7	172	84	697	386	4491	314		
11	331	177	502	322	738	424	988	629	604	238	276	131	-	-	2	1	-	-	1	*	64	24	309	151	3815	163		
10	61	28	115	74	154	88	317	177	93	32	1	*	-	-	-	-	-	-	-	-	4	1	76	47	821	35		
9	-	-	22	17	28	18	61	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	22	130	7		
8	-	-	8	6	7	5	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	15	44	3		
7	-	-	4	2	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	8	24	1		
6	-	-	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3	7	*		
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	3	*		
MEAN	12.4		12.0		11.6		11.3		12.5		13.2		14.3		14.6		15.4		14.7		13.8		12.6		13.3			
S.D.	1.0		1.2		1.0		1.1		1.2		1.4		1.2		1.2		1.2		1.0		1.1		1.4		1.7			
TOTAL	2218		2023		2198		2186		2927		2119		2202		2250		2856		2954		2846		2970		29749			
MAX	17.9		16.5		15.1		16.4		17.6		17.3		18.3		18.0		20.3		19.9		18.5		17.5		20.3			
DATE	2001010321		2000020223		2000031810		2000040123		2001053123		1998061800		1998071920		1998080219		2000091321		1998100622		2000110322		1999122022		2000091321			
MIN	9.5		6.5		6.4		7.7		9.7		10.3		12.1		11.3		12.6		11.4		10.3		5.1		5.1			
DATE	2001010202		2001021314		1999031512		1999040908		1999051616		1999061811		2000072817		1999082213		1999092912		2000102014		2000112816		1998122114		1998122114			

STATION: 46063

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (4/1998 - 12/2001) (29743 RECORDS, 98.9% 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	F	CPF
20	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	4	#	-	-	-	-	-	-	-	-	6	#	
19	-	-	-	-	-	-	-	-	-	-	-	-	14	#	22	999	75	999	-	-	-	-	-	-	111	999		
18	-	-	-	-	-	-	-	-	5	#	-	-	151	994	225	989	257	972	17	#	-	-	-	-	655	996		
17	-	-	-	-	-	-	3	#	18	998	41	#	180	925	339	889	651	882	58	994	-	-	-	-	1290	974		
16	-	-	-	-	-	-	-	-	5	992	139	981	378	843	232	739	613	654	572	975	272	#	-	-	2211	931		
15	-	-	-	-	-	-	-	-	118	990	264	915	459	672	364	636	775	439	1380	781	927	904	123	#	4410	856		
14	336	#	8	#	6	#	8	999	710	950	557	790	704	463	451	474	328	167	804	314	992	579	599	959	5503	708		
13	1460	848	888	996	679	997	280	995	910	708	477	527	274	143	545	274	147	52	125	42	599	230	1323	757	7707	523		
12	415	190	973	557	824	688	574	867	422	397	392	302	37	19	72	32	2	1	-	-	57	20	891	311	4659	264		
11	6	3	154	76	685	313	1070	604	645	253	246	116	4	2	-	-	-	-	-	-	-	-	34	11	2844	107		
10	-	-	-	-	3	1	242	114	95	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	12		
9	-	-	-	-	-	-	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	*		
MEAN	12.9		12.4		11.9		11.4		12.6		13.3		14.9		14.9		15.8		14.8		14.2		12.9		13.6			
S.D.	0.6		0.6		0.6		0.9		1.3		1.4		1.4		1.8		1.4		0.8		0.9		0.8		1.7			
TOTAL	2217		2023		2197		2184		2928		2116		2201		2252		2852		2956		2847		2970		29743			
MAX	14.1		13.7		13.7		16.8		18.1		17.3		18.8		19.6		19.5		18.3		16.4		15.2		19.6			
DATE	2001012302		2000021901		2000032323		1998042801		2001053123		2000061920		1998072600		1998080323		2001090322		2000100201		1999111700		1999120104		1998080323			
MIN	11.4		10.6		10.2		9.4		9.8		10.6		11.4		11.8		12.1		12.5		11.7		11.3		9.4			
DATE	2000010611		1999022719		1999030610		1999040515		1999050514		2000061219		2000072019		1999082617		2001092813		2000102217		2000112816		2001121520		1999040515			

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (4/1998 - 12/2001) (29717 RECORDS, 98.8% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	1	#	3	#		
4	2	#	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	7	999	-	-	13	999	23	999		
3	11	999	29	#	6	#	10	#	2	#	1	#	4	999	-	-	2	#	18	997	5	#	35	995	123	999		
2	53	994	65	986	35	997	100	995	85	999	36	999	37	998	73	#	77	999	150	991	40	998	139	983	890	995		

1	268	970	243	954	305	981	542	950	704	970	495	982	175	981	557	967	424	972	500	940	352	984	474	937	5039	965
0	793	849	774	833	1021	843	922	701	1255	730	995	748	843	901	717	719	1025	824	1130	771	1107	860	1270	777	11852	795
-1	733	492	649	451	656	378	462	279	634	301	474	278	743	517	541	400	924	464	819	388	906	471	724	349	8265	397
-2	293	161	232	130	157	79	144	68	224	84	105	53	372	179	315	159	316	140	314	110	388	153	203	105	3063	119
-3	62	29	25	15	11	8	3	2	23	8	8	4	19	9	41	18	65	29	12	4	45	16	57	37	371	15
-4	2	1	4	3	5	3	1	*	-	-	-	-	1	*	-	-	18	6	-	-	1	*	24	18	56	3
-5	-	-	2	1	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	10	23	1
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3	6	*
-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	3	*
MEAN	-0.5		-0.4		-0.3		-0.0		-0.1		-0.1		-0.5		-0.3		-0.4		-0.2		-0.5		-0.2		-0.3	
S.D.	1.0		1.0		0.8		0.9		0.9		0.8		0.9		1.0		1.0		1.0		0.9		1.2		1.0	
TOTAL	2217		2023		2197		2184		2927		2114		2195		2244		2851		2952		2844		2969		29717	
MAX	4.2		3.4		3.0		3.2		3.1		3.1		3.5		2.3		3.1		4.8		3.3		4.6		4.8	
DATE	2001010321	2001020416	2000031810	1999041609	2001050418	1998061722	1999070822	1999083101	2001093021	1999103019	2000110322	1999122022	1999103019	2000110322	1999122022	1999103019	2000110322	1999122022	1999103019	2000110322	1999122022	1999103019	2000110322	1999122022	1999103019	2000110322
MIN	-3.6		-5.2		-4.6		-3.7		-3.4		-3.1		-4.4		-3.2		-4.3		-3.4		-3.5		-6.7		-6.7	
DATE	2001011617	2001021314	1999031512	1998042802	2001052212	1999063000	2000072719	1998080311	2001090311	1999101512	1999111312	1998122114	1999103019	2000110322	1999122022	1999103019	2000110322	1999122022	1999103019	2000110322	1999122022	1999103019	2000110322	1999122022	1999103019	2000110322

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (4/1998 - 12/2001) (29706 RECORDS, 98.8% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN					
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
1030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	3	#				
1029	-	-	2	#	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	-	7	999	11	999				
1028	14	#	2	999	-	-	1	#	-	-	1	999	-	-	-	-	-	-	-	-	-	-	30	997	48	999				
1027	21	994	32	998	-	-	6	999	-	-	2	999	-	-	-	-	-	-	-	-	-	-	90	987	151	998				
1026	26	984	38	982	-	-	2	997	-	-	1	998	-	-	-	-	-	-	-	-	-	9	#	82	956	158	993			
1025	50	972	35	963	12	#	12	996	-	-	-	-	-	-	-	-	-	-	-	-	-	23	997	106	929	238	988			
1024	121	950	93	946	31	995	35	990	-	-	3	997	-	-	-	-	-	-	-	-	-	51	989	220	893	554	979			
1023	161	895	118	900	11	980	17	974	-	-	6	996	-	-	-	-	-	-	-	-	-	69	971	193	819	575	961			
1022	187	823	147	842	27	975	36	967	-	-	4	993	-	-	-	-	-	-	-	5	#	111	947	261	754	778	941			
1021	268	738	228	769	66	963	77	950	7	#	9	991	-	-	-	-	-	-	-	35	998	174	908	229	666	1093	915			
1020	293	617	189	656	115	933	123	915	43	998	10	987	12	#	-	-	-	-	-	62	986	262	847	273	589	1382	879			
1019	272	485	172	563	184	881	187	859	57	983	34	982	27	995	2	#	-	-	100	965	267	754	312	497	1614	832				
1018	225	362	195	478	262	797	233	773	142	963	70	966	90	982	34	999	4	#	240	932	439	661	339	392	2273	778				
1017	186	261	161	382	326	678	258	667	427	915	170	932	181	941	99	984	42	999	322	850	431	506	291	278	2894	701				
1016	133	177	121	302	333	529	309	548	424	769	261	851	262	859	195	940	52	984	391	741	347	355	220	180	3048	604				
1015	69	117	95	242	206	378	240	407	460	624	309	726	357	740	276	853	181	966	348	609	263	233	158	106	2962	501				
1014	44	86	80	195	167	284	241	297	395	467	316	579	369	577	366	730	332	902	347	491	119	141	71	53	2847	401				
1013	43	66	131	156	168	208	162	187	387	332	312	428	386	409	458	567	583	786	387	373	129	99	36	29	3182	306				
1012	30	46	57	91	86	132	106	113	322	200	238	279	190	234	332	363	404	581	252	242	55	54	20	17	2092	198				
1011	21	33	34	63	41	92	58	65	159	90	129	165	131	147	196	215	338	439	233	157	26	34	16	10	1382	128				
1010	22	23	30	46	51	74	34	38	55	36	100	103	118	88	156	128	333	321	130	78	29	25	8	5	1066	81				
1009	15	14	7	31	40	51	32	22	19	17	56	55	66	34	70	58	199	204	43	34	18	15	5	2	570	46				
1008	13	7	5	28	23	32	6	8	4	11	38	29	9	4	39	27	150	134	28	19	8	9	1	*	324	26				
1007	1	1	12	25	12	22	10	5	5	9	8	11	-	-	22	10	86	82	20	9	6	6	-	-	182	16				
1006	1	*	19	19	12	16	1	*	17	8	11	7	-	-	-	-	84	52	8	3	2	4	-	-	155	9				
1005	-	-	6	10	6	11	-	-	4	2	3	1	-	-	-	-	29	22	-	-	2	3	-	-	50	4				
1004	-	-	3	7	6	8	-	-	1	*	-	-	-	-	-	-	19	12	-	-	3	2	-	-	32	2				
1003	-	-	3	5	9	5	-	-	-	-	-	-	-	-	-	-	14	5	-	-	1	1	-	-	27	1				
1002	-	-	2	4	2	1	-	-	-	-	-	-	-	-	-	-	1	*	-	-	3	1	-	-	8	1				
1001	-	-	2	3	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*				
1000	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*			
999	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*			
MEAN	1019.3		1018.2		1015.9		1016.2		1014.5		1013.9		1013.9		1013.1		1011.5		1014.5		1017.4		1019.8		1015.7					
S.D.	3.5		4.4		3.5		3.2		2.4		2.7		2.3		2.2		2.6		2.8		3.2		3.6		4.0					
TOTAL	2216		2023		2197		2186		2928		2093		2198		2245		2851		2951		2847		2971		29706					
MAX	1028.4		1028.7		1025.2		1028.0		1020.6		1029.0		1020.4		1018.6		1018.1		1022.1		1026.1		1030.0		1030.0					
DATE	2000010418	1999021018	2000031020	1999040919	1998052920	1999062520	1999072320	1999081718	2000092720	2001102918	1999112419	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018	1998121018
MIN	1006.4		999.2		1001.2		1005.7		1004.4		1004.9		1008.0		1006.5		1002.4		1005.7		1001.8		1008.2		999.2					
DATE	2001011102	2001021313	2000030513	1999042303	1998051307	2000061701	1999070203	1998083123	1998090305	2000102213	1998112812	2001121022	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313	2001021313

STATION: 46063

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (4/1998 - 12/2001) (28111 RECORDS, 93.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY	
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31	-	-	1	#	-	-	11	999	2	#	-	-	1	#	-	-	-	-	-	-	-	-	-	1	999	16	999			
30	-	-	3	999	2	999	13	994	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	22	999			
29	-	-	2	998	10	999	13	988	9	998	-	-	2	999	-	-	-	-	-	-	-	-	2	#	4	998	42	998		
28	-	-	11	997	19	994	21	982	21	995	-	-	2	998	-	-	-	-	-	-	-	-	2	#	2	999	17	997	95	997
27	2	#	12	992	27	985	29	972	24	988	3	#	5	997	-	-	1	#	3	999	11	999	29	991	146	993				
26	8	999	11	986	53	973	53	959	70	980	20	999	27	994	2	#	8	999	13	998	19	995	47	981	331	988				
25	24	995	21	980	74	949	35	935	90	956	32	989	30	978	7	999	9	996	19	994	30	988	54	965	425	977				
24	25	985	19	970	91	915	53	919	110	925	61	974	42	960	14	994	19	993	43	987	28	978	64	947	569	961				
23	53	973	29	960	109	874	74	894	157	888	98	945	48	934	28	985	40	985	65	973	42	968	80	926	823	941				
22	37	949	43	946	88	824	90	860	190	834	104	899	80	906	68	966	54	969	61	951	70	953	102	899	987	912				
21	72	933	50	925	122	784	103	819	170	769	88	850	102	858	104	921	59	948	105	930	112	928	111	864	1198	877				
20	68	900	59	900	114	729	135	772	170	711	79	808	116	796	136	852	85	924	106	895	131	889	136	827	1335	834				
19	116	870	93	871	132	677	158	710	168	653	114	771	163	727	170	761	131	890	159	859	204	843	149	781	1757	787				
18	103	817	98	825	101	617	119	638	116	595	98	717	160	629	132	648	114	838	181	805	189	771	147	731	1558	724				
17	114	771	95	777	111	571	127	584	128	556	92	670	117	532	112	560	133	793	180	744	184	705	133	682	1526	669				
16	132	719	105	730	71	520	116	526	119	512	93	627	92	462	93	486	139	740	167	683	193	640	133	637	1453	614				
15	118	660	95	678	84	488	119	473	106	471	97	583	70	407	100	424	129	684	145	626	185	572	92	592	1340	563				
14	107	607	87	631	101	450	115	418	110	435	111	537	71	365	100	357	134	633	145	577	161	507	96	561	1338	515				
13	85	558	104	588	92	404	99	366	100	398	114	485	79	322	80	291	114	579	138	528	123	451	122	529	1250	468				
12	132	520	101	536	118	362	102	320	110	364	135	431	80	275	72	238	164	534	175	482	158	407	133	488	1480	423				
11	86	461	92	486	84	308	78	274	89	326	116	367	40	227	59	190	138	468	143	422	146	352	140	443	1211	370				
10	106	422	99	441	71	270	67	238	85	296	113	312	74	203	68	150	118	413	147	374	123	301	136	396	1207	327				
9	89	374	111	392	105	238	55	207	88	266	102	259	51	158	38	105	138	366	128	324	103	257	136	350	1144	284				
8	111	334	114	337	88	190	60	182	102	236	86	210	41	127	30	80	142	311	115	281	106	221	130	304	1125	244				
7	102	284	105	281	69	150	51	155	116	202	87	170	40	103	21	60	130	254	104	242	106	184	126	261	1057	204				
6	99	238	107	229	65	119	69	131	88	162	62	129	28	79	13	46	115	203	82	207	91	147	117	218	936	166				
5	113	193	117	176	68	89	81	100	113	132	97	99	32	62	17	37	143	157	131	179	98	115	161	179	1171	133				
4	132	142	92	118	51	58	41	63	95	93	47	53	25	43	14	26	107	100	107	135	73	80	128	125	912	91				
3	84	83	80	73	30	35	40	44	80	61	31	31	10	28	5	17	74	57	113	98	58	54	116	81	721	59				
2	47	45	38	33	24	21	39	26	60	33	22	17	14	22	12	13	47	28	95	60	58	34	70	42	526	33				
1	47	23	25	14	16	10	17	8	33	13	8	6	15	13	5	5	20	9	69	28	31	14	42	19	328	14				
0	5	2	4	2	7	3	-	-	5	2	5	2	7	4	3	2	2	1	14	5	8	3	14	5	74	3				
MEAN	12.1		12.1		15.3		15.4		15.1		14.0		15.7		15.7		12.1		12.6		13.6		13.1		13.8					
S.D.	6.3		6.3		6.8		6.7		7.2		6.1		5.8		4.8		5.8		6.3		5.9		7.0		6.5					
TOTAL	2217		2023		2198		2186		2927		2115		1664		1503		2507		2955		2845		2971		28111					
MAX	27.0		30.5		31.9		34.0		31.3		27.4		30.7		25.7		26.8		28.0		29.0		33.8		34.0					
DATE	2000010521	2001020703	2000032004	1999040404	2000051106	1999061406	1998070115	1998082906	1998091006	2001102322	1999112121	2001121423	1999040404																	
MIN	0.4		0.2		0.0		0.6		0.0		0.0		0.0		0.0		0.4		0.0		0.2		0.0		0.0					
DATE	2001012212	2001021207	2001033101	2000041712	2001050418	1998060709	1999071514	1999082304	1998092219	2001103105	2001112814	1999122700	2001103105																	

(* < 0.05% , # = 100.0%)

STATION: 46063

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

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

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (4/1998 - 12/2001) (28099 RECORDS, 93.4% 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	
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
43	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
42	-	-	-	-	1	#	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
41	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	3	999
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	999	
39	-	-	1	#	-	-	5	998	1	#	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	8	999
38	-	-	1	999	2	999	6	996	2	999	-	-	-	-	-	-	-	-	-	-	-	-	3	999	14	999	
37	-	-	4	999	1	999	14	993	3	999	-	-	-	-	-	-	-	-	-	-	-	-	2	998	24	999	
36	1	#	5	997	10	998	13	987	11	998	-	-	1	999	-	-	-	-	-	-	1	#	6	998	48	998	
35	-	-	6	995	9	994	10	981	9	994	1	#	1	999	-	-	1	#	-	-	3	999	7	996	47	996	
34	1	999	5	992	15	990	21	976	12	991	-	-	7	998	-	-	-	-	2	#	5	999	15	993	83	995	
33	4	999	12	989	35	983	23	967	43	987	3	999	8	994	-	-	-	-	5	999	8	997	28	988	169	992	
32	4	997	13	983	33	967	25	956	33	972	12	998	16	989	-	-	6	999	7	998	11	994	27	979	187	986	
31	13	995	8	977	65	952	36	945	68	961	19	992	11	980	6	#	4	997	15	995	24	990	38	970	307	979	
30	15	990	14	973	65	922	35	928	77	938	37	983	35	973	5	996	6	996	20	990	22	982	50	957	381	968	
29	20	983	16	966	61	893	43	912	96	912	57	966	31	952	12	993	22	993	43	983	30	974	52	940	483	955	
28	35	974	25	958	87	865	61	892	123	879	70	939	35	933	30	985	25	984	40	969	32	963	65	923	628	937	
27	46	958	32	946	94	825	70	864	141	837	80	906	59	912	49	965	45	974	49	955	46	952	87	901	798	915	
26	52	937	39	930	88	783	94	832	146	789	86	868	90	877	74	932	52	956	86	939	77	936	83	871	967	887	
25	63	914	57	911	90	742	86	789	138	739	72	827	73	823	102	883	47	936	84	910	99	909	121	843	1032	852	

14	83	474	84	496	70	321	68	290	81	348	89	395	59	257	52	212	129	505	124	449	116	365	103	455	1058	390
13	74	436	77	454	90	289	56	259	81	320	96	353	45	222	48	178	124	453	130	407	116	324	122	420	1059	353
12	104	403	109	416	72	248	71	233	92	293	108	307	63	195	66	146	131	404	146	363	128	284	123	379	1213	315
11	94	356	102	362	83	216	54	201	79	261	102	256	52	157	31	102	119	351	117	314	78	238	137	338	1048	272
10	89	314	113	312	74	178	56	176	100	234	74	208	44	126	27	81	129	304	106	274	100	211	114	291	1026	235
9	86	273	93	256	64	144	46	150	93	200	78	173	30	99	19	63	114	252	87	238	93	176	101	253	904	198
8	72	235	72	210	67	115	57	129	95	168	61	136	25	81	18	51	114	207	95	209	80	143	112	219	868	166
7	85	202	92	174	44	85	56	103	84	136	69	107	30	66	10	39	112	161	83	177	66	115	117	181	848	135
6	100	164	85	129	55	65	51	77	78	107	65	75	22	48	15	32	94	116	122	149	75	92	110	142	872	105
5	129	119	94	87	28	40	47	54	96	81	37	44	18	35	9	22	105	79	113	107	69	65	142	105	887	74
4	60	60	45	41	32	27	43	33	58	48	29	26	13	24	8	16	48	37	89	69	52	41	89	57	566	42
3	52	33	22	18	12	12	21	13	57	28	20	13	13	16	8	11	31	18	61	39	42	23	47	27	386	22
2	19	10	13	7	10	7	6	3	23	9	4	3	11	8	5	5	13	5	43	18	15	8	28	11	190	8
1	3	1	2	1	5	2	1	*	1	1	2	1	3	2	2	2	-	-	10	4	8	3	6	2	43	2
0	-	-	-	-	-	-	-	-	1	*	1	*	-	-	1	1	-	-	1	*	-	-	-	-	4	*
MEAN		15.1		15.2		19.0		18.9		18.5		17.1		19.1		19.1		14.8		15.5		16.8		16.3		17.0
S.D.		7.3		7.4		8.1		8.0		8.6		7.3		6.8		5.8		6.7		7.3		6.9		8.3		7.7
TOTAL		2216		2023		2198		2183		2927		2115		1663		1503		2503		2954		2843		2971		28099
MAX		35.6		38.7		42.2		43.2		38.7		34.6		38.5		31.1		34.6		33.8		35.8		41.4		43.2
DATE	2001011113	2001020705	2000032004	1999042303	2000051109	1999061406	1998070115	1999083102	1998091006	2001102322	2000110620	2001121423	1999042303													
MIN		1.2		1.4		0.8		1.4		0.2		0.4		0.6		0.4		1.6		0.0		1.0		0.8		0.0
DATE	1999010517	2000022717	2001033101	1999042419	2001050418	1998060709	1999070814	1999082303	1999092821	2001102919	1999111519	1999122700	2001102919													

(* < 0.05% , # = 100.0%)

STATION: 46063

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (4/1998 - 12/2001) (26992 RECORDS, 16.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
45	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
44	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
43	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	3	999	
42	-	-	-	-	1	#	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	3	999	
41	-	-	-	-	2	999	2	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	5	999	
40	-	-	2	#	3	999	8	997	2	#	-	-	-	-	-	-	-	-	-	-	1	#	3	999	19	999	
39	1	#	6	999	5	997	12	994	2	999	-	-	-	-	-	-	-	-	-	-	1	999	2	998	29	999	
38	-	-	5	996	3	995	14	988	5	999	-	-	1	#	-	-	-	-	1	#	-	-	3	997	32	998	
37	-	-	6	994	9	994	11	982	14	997	-	-	2	999	-	-	-	-	-	-	2	999	9	996	53	997	
36	1	999	5	991	14	990	16	977	19	992	-	-	1	998	-	-	-	-	1	999	6	999	16	993	79	995	
35	-	-	8	988	20	983	20	969	23	986	4	#	11	998	-	-	2	#	1	999	7	997	18	988	114	992	
34	1	999	7	984	29	974	32	960	44	978	6	998	11	991	-	-	2	999	6	999	7	994	32	981	177	987	
33	12	999	24	981	62	961	30	946	60	963	13	995	14	984	1	#	4	998	18	996	23	992	34	971	295	981	
32	15	993	10	969	63	933	28	932	44	942	22	989	30	976	5	999	8	996	10	988	21	984	45	959	301	970	
31	24	987	16	964	71	904	42	919	91	927	46	979	30	958	16	996	6	992	31	983	19	976	57	944	449	959	
30	34	976	23	956	87	872	52	900	110	896	63	957	36	940	18	985	18	990	33	969	36	970	57	925	567	942	
29	44	961	30	945	73	832	58	876	141	858	86	927	43	918	38	973	31	981	43	954	44	957	64	906	695	921	
28	44	941	34	930	68	799	87	849	134	810	86	886	46	892	56	948	24	966	51	935	44	942	92	884	766	895	
27	44	921	39	913	104	768	74	810	135	764	61	845	71	864	75	911	38	955	60	912	94	926	82	853	877	867	
26	85	902	63	894	117	720	126	776	135	718	74	816	106	821	120	861	46	937	81	885	125	894	118	825	1196	835	
25	71	864	65	862	77	667	103	718	131	672	68	781	84	758	115	781	56	915	68	849	119	850	130	786	1087	790	
24	82	832	56	830	105	632	104	671	109	627	68	749	117	707	117	705	76	888	80	818	147	808	106	742	1167	750	
23	93	796	86	803	82	584	124	624	88	590	87	717	128	636	81	627	78	852	112	782	164	757	123	706	1246	707	
22	85	754	90	760	80	547	84	567	99	560	63	675	97	559	110	573	92	815	124	731	172	700	102	665	1198	661	
21	94	716	88	715	63	510	89	528	87	526	63	645	85	501	70	500	89	772	134	675	175	640	106	630	1143	616	
20	122	674	84	672	65	482	85	488	102	496	90	616	74	449	73	453	91	729	95	615	161	579	90	595	1132	574	
19	121	620	88	630	85	452	101	449	106	461	103	573	68	405	77	405	121	686	110	572	160	523	94	564	1234	532	
18	79	566	99	587	74	413	93	403	80	425	94	524	55	364	98	353	88	629	90	523	131	467	87	533	1068	486	
17	95	530	69	538	93	380	113	360	100	398	119	479	57	331	68	288	75	587	87	482	113	421	99	503	1088	447	
16	83	488	70	504	73	337	73	308	73	363	96	423	61	296	53	243	87	551	86	443	97	382	94	470	946	406	
15	85	451	64	469	67	304	66	275	73	338	69	377	59	259	61	208	98	510	68	404	124	348	114	438	948	371	
14	73	413	77	437	82	274	65	245	80	313	90	345	45	224	48	167	106	464	85	373	118	304	97	400	966	336	
13	89	380	103	399	71	236	56	215	81	286	95	302	58	197	36	135	91	413	98	335	93	263	113	367	984	300	
12	102	341	118	348	77	204	57	189	107	258	112	257	59	162	55	111	115	370	94	291	110	231	142	329	1148	264	
11	94	295	92	290	83	169	54	163	78	222	80	204	43	126	22	75	115	316	59	248	86	192	115	281	921	221	
10	83	253	102	244	62	131	59	139	97	195	70	166	36	100	18	60	96	261	64	222	86	162	119	243	892	187	
9	79	216	81	194	57	103	54	112	96	16																	

S.D.	7.4	7.6	8.2	8.1	8.7	7.4	7.0	5.9	6.8	7.5	7.0	8.5	7.8
TOTAL	2240	2021	2196	2186	2923	2107	1658	1503	2107	2218	2865	2968	26992
MAX	39.3	40.2	42.2	45.3	40.2	35.4	38.3	33.4	34.8	38.1	39.5	43.0	45.3
DATE	1999012613	2001020703	2000032003	1999040403	1999050808	1999060722	1998070114	1999080411	1998091004	2001102322	2001111220	2001121422	1999040403
MIN	1.7	1.9	1.9	3.1	1.7	2.7	1.9	2.1	2.7	1.0	2.1	1.7	1.0
DATE	1999010516	2001021604	1999030706	1999042418	2001052609	1999062213	1998072011	1999082303	1999090609	2001102803	2001111305	2001122301	2001102803

(* < 0.05% , # = 100.0%)

STATION: 46063

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (4/1998 - 12/2001) (29646 RECORDS, 98.6% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
9.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#
8.0	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
7.5	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	3	999
7.0	6	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	1	#	9	999	
6.5	6	995	1	#	-	-	2	#	-	-	-	-	-	-	-	-	-	-	5	999	4	999	11	999	29	999	
6.0	24	993	7	999	2	#	4	999	1	#	-	-	-	-	-	-	-	-	4	998	11	997	20	996	73	999	
5.5	21	982	23	996	17	999	8	997	10	999	-	-	-	-	-	-	-	-	8	997	20	994	58	989	165	996	
5.0	38	972	76	985	81	991	30	994	24	996	-	-	-	-	-	-	-	-	19	994	34	986	67	970	369	990	
4.5	67	955	121	947	168	955	46	980	43	988	-	-	-	-	-	-	-	-	48	987	113	974	124	947	730	978	
4.0	133	925	206	887	245	878	93	959	105	973	12	#	-	-	2	#	7	#	88	971	139	933	187	905	1217	953	
3.5	252	865	276	785	321	767	233	916	154	937	63	994	31	#	4	999	48	998	154	941	291	883	339	842	2166	912	
3.0	401	752	328	649	511	621	275	810	335	884	185	965	144	986	33	997	131	981	299	889	432	778	531	728	3605	839	
2.5	461	571	472	486	480	388	408	684	686	769	433	877	371	921	360	983	391	935	548	788	609	623	526	549	5745	718	
2.0	410	363	346	253	221	170	615	497	799	534	584	673	730	752	885	823	785	797	742	602	736	403	560	371	7413	524	
1.5	292	178	102	82	82	69	354	216	618	259	687	397	765	421	696	431	1230	521	768	351	314	138	442	182	6350	274	
1.0	100	46	63	31	70	32	116	54	118	47	150	72	163	74	276	123	251	88	267	90	70	25	98	33	1742	60	
0.5	3	1	-	-	-	-	1	*	3	7	3	1	-	-	1	*	-	-	-	-	-	-	-	-	-	11	1
0.0	-	-	-	-	-	-	-	-	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	1
MEAN	2.7		2.9		3.1		2.4		2.3		2.0		1.9		1.8		1.8		2.2		2.6		2.7		2.4		
S.D.	1.1		1.0		0.9		0.9		0.8		0.6		0.5		0.5		0.5		0.9		0.9		1.1		0.9		
TOTAL	2218		2021		2198		2185		2912		2117		2204		2257		2843		2951		2776		2964		29646		
MAX	8.0		6.6		5.9		6.3		5.9		4.1		3.7		4.0		4.1		8.5		7.3		7.0		8.5		
DATE	2001011200		2000022119		2000030406		1999040412		2001050219		1999061414		1998070212		1999083107		1998091008		1999102900		2001112204		2001122106		1999102900		
MIN	0.7		0.8		0.8		0.7		0.0		0.7		0.9		0.7		0.8		0.8		0.8		0.8		0.0		
DATE	2000012323		1999021301		2001032515		1999041713		2001053123		1998060712		2000071319		1999080711		2000090201		2000100821		2001112900		1999122415		2001053123		

(* < 0.05% , # = 100.0%)

STATION: 46063

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (4/1998 - 12/2001) (29646 RECORDS, 98.6% 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	
16	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	2	#	5	#	
15	11	999	2	#	3	#	-	-	-	-	-	-	-	-	-	-	-	-	2	999	4	#	13	999	35	999	
14	45	995	6	999	8	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	999	18	995	94	999	
13	74	974	16	996	14	995	-	-	-	-	-	-	-	-	-	-	3	#	10	999	47	992	79	989	243	995	
12	90	941	63	988	44	989	7	#	-	-	-	-	-	-	-	-	11	999	24	995	99	976	137	962	475	987	
11	174	900	155	957	96	969	9	997	9	#	-	-	-	-	-	-	21	995	60	987	128	940	287	916	939	971	
10	309	822	312	880	227	925	54	993	64	997	11	#	-	-	-	-	45	988	217	967	286	894	391	819	1916	940	
9	388	683	416	726	407	822	137	968	211	975	139	995	9	#	23	#	326	972	432	893	421	791	477	687	3386	875	
8	370	508	472	520	531	636	348	905	493	902	322	929	182	996	130	990	546	857	520	747	587	639	554	526	5055	761	
7	370	341	394	286	551	395	623	746	735	733	605	777	432	913	430	932	748	665	599	571	611	428	533	339	6631	590	
6	274	174	167	92	278	144	771	461	1123	481	729	491	872	717	967	742	711	402	765	368	476	207	345	160	7478	367	
5	108	50	18	9	37	18	235	108	254	95	311	147	674	322	669	313	405	152	309	108	99	36	125	43	3244	114	
4	4	2	-	-	2	1	1	*	7	8	-	-	35	16	38	17	27	9	11	4	1	*	3	1	129	5	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
0	-	-	-	-	-	-	-	-	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	1
MEAN	8.6		8.5		8.1		6.8		6.7		6.6		6.0		5.9		6.9		7.3		8.1		8.5		7.3		
S.D.	2.2		1.6		1.6		1.2		1.3		1.1		0.9		0.9		1.4		1.6		1.9		2.0		1.8		
TOTAL	2218		2021		2198		2185		2912		2117		2204		2257		2843		2951		2776		2964		29646		
MAX	15.9		15.1		14.9		12.2		11.4		10.2		9.1		9.3		13.0		15.8		15.2		15.6		15.9		
DATE	2001012007		1999021707		1999032122		1999040617		1998050212		1999060218		1999071601		1998080422		1998092303		1999102822		1999111920		1999122714		2001012007		
MIN	4.2		4.8		4.3		4.4		0.0		4.6		4.2		4.2		4.0		4.0		4.4		4.4		0.0		
DATE	2000010108		2001021718		2001032503		1999041811		2001053123		2000062701		2000071404		2000081004		2001092407		1999100700		1998111112		2000122207		2001053123		

(* < 0.05% , # = 100.0%)

STATION: 46063

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (4/1998 - 12/2001) (29646 RECORDS, 98.6% 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	4	#	11	#	28	#	-	-	2	#	-	-	-	-	-	-	-	-	2	#	7	#	16	#	70	#
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998
20	145	998	125	995	185	987	30	#	75	999	60	#	5	#	34	#	48	#	106	999	186	997	195	995	1194	998
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	957
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	957
17	471	933	386	933	521	903	171	986	364	974	404	972	221	998	218	985	366	983	353	963	505	930	597	929	4577	957
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	803
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	803
14	717	720	715	742	534	666	350	908	314	849	209	781	140	897	96	888	411	854	511	844	857	749	966	727	5820	803
13	416	397	489	388	355	423	393	748	233	741	83	682	7	834	79	846	355	710	605	671	558	440	686	401	4259	607
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	463
11	147	210	147	146	221	262	339	568	360	661	257	643	61	831	71	811	308	585	458	466	301	239	235	170	2905	463
10	49	143	60	73	92	161	190	413	385	537	354	521	191	803	253	779	427	477	318	310	111	130	63	91	2493	365
9	51	121	32	44	67	119	226	326	296	405	235	354	476	716	341	667	298	326	180	203	54	90	39	70	2295	281
8	114	98	29	28	134	89	278	222	490	303	258	243	591	500	592	516	248	222	192	142	90	71	76	56	3092	204
7	72	47	11	13	46	28	127	95	273	135	96	121	199	232	274	254	146	134	73	77	46	39	52	31	1415	99
6	17	14	13	8	14	7	65	37	79	41	100	76	142	142	144	132	99	83	61	52	45	22	28	13	807	51
5	14	7	3	1	-	-	14	7	22	14	54	29	147	78	110	69	109	48	76	31	16	6	7	4	572	24
4	1	*	-	-	-	-	2	1	3	7	7	3	24	11	45	20	28	10	16	5	-	-	4	1	130	5
3	-	-	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
0	-	-	-	-	-	-	-	-	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	1
MEAN		13.8		14.1		13.9		11.3		11.0		11.4		9.4		9.5		11.3		12.1		13.7		14.0		12.1
S.D.		3.2		2.8		3.5		3.0		3.6		3.8		3.3		3.4		3.5		3.3		3.1		3.0		3.7
TOTAL		2218		2021		2198		2185		2912		2117		2204		2257		2843		2951		2776		2964		29646
MAX		25.0		25.0		25.0		20.0		25.0		20.0		20.0		20.0		20.0		25.0		25.0		25.0		25.0
DATE	2001011904	2000021413	2000032611	2001042419	1998050101	2000062901	2000073116	2000082311	2001091809	1998103014	2001110913	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713	2001122713
MIN	4.3	5.3	3.3	4.2	0.0	4.2	3.7	3.9	3.7	3.9	3.7	3.7	4.5	4.2	0.0											
DATE	2000010109	2001022421	2001032502	2000040810	2001053123	2000062607	2000071404	1999081722	1998091704	1999100700	2001112802	2000122205	2001053123													

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: 46063

- (A) TOTAL STDNET RECORDS READ = 30071
- (B) TOTAL CWIND RECORDS READ = 168762
- (C) TOTAL RECORDS USED IN STATS = 198833

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	29749	29743	29717	0	29706	28111	28099	26992	29646	29646	29646	0
(E) ELEMENT OUT OF RANGE	322	328	354	30071	365	1960	1972	141770	425	425	425	30071

STATION: 46063 -- POR (4/1998 - 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
1998	MEAN	-	-	-	11.5	13.4	14.2	14.9	15.7	16.3	15.1	13.6	11.6	14.3
	MAXIMUM	-	-	-	14.4	15.9	17.3	18.3	18.0	19.0	19.9	15.3	15.3	19.9
	DAY-HR	-	-	-	28-00	07-01	18-00	19-20	02-19	08-00	06-22	04-00	16-07	OCT
	MINIMUM	-	-	-	10.1	10.6	12.6	12.1	14.1	14.5	13.4	10.4	5.1	5.1
	DAY-HR	-	-	-	28-12	12-15	28-14	07-16	27-15	26-11	23-15	11-12	21-14	DEC
	# OBS	-	-	-	49	710	686	730	782	705	743	712	740	5857
1999	MEAN	12.4	11.7	10.9	10.9	11.3	11.9	14.1	13.8	14.4	14.3	14.0	13.1	12.7
	MAXIMUM	15.9	14.2	12.6	14.8	14.4	15.4	18.0	16.0	16.4	18.9	17.5	17.5	18.9
	DAY-HR	04-23	12-23	21-01	16-20	31-21	23-02	08-22	12-02	08-01	30-19	15-22	20-22	OCT
	MINIMUM	9.7	8.5	6.4	7.7	9.7	10.3	12.1	11.3	12.6	12.1	11.2	10.5	6.4
	DAY-HR	26-14	10-13	15-12	09-08	16-16	18-11	06-14	22-13	29-12	22-17	13-11	10-17	MAR
	# OBS	741	660	717	720	743	720	735	726	712	737	700	743	8654
2000	MEAN	12.4	12.7	12.0	12.1	12.3	13.6	14.1	14.4	16.0	14.8	13.1	13.5	13.4
	MAXIMUM	14.8	16.5	15.1	16.4	15.7	16.8	17.2	17.6	20.3	18.5	18.5	16.5	20.3
	DAY-HR	19-01	02-23	18-10	01-23	24-20	18-21	13-02	31-23	13-21	01-19	03-22	18-22	SEP

	MINIMUM	10.1	9.9	8.8	9.7	10.3	10.7	12.1	12.6	13.4	11.4	10.3	10.5	8.8
	DAY-HR	13-21	25-08	06-10	12-14	21-12	04-14	28-17	02-16	17-16	20-14	28-16	31-23	MAR
	# OBS	733	691	741	699	731	713	737	742	720	732	717	744	8700
2001	MEAN	12.2	11.6	12.0	11.0	13.2	-	-	-	14.8	14.5	14.4	12.4	12.9
	MAXIMUM	17.9	16.0	14.4	12.8	17.6	-	-	-	18.8	17.2	16.8	16.8	18.8
	DAY-HR	03-21	04-22	22-20	01-01	31-23	-	-	-	30-22	01-00	15-00	08-23	SEP
	MINIMUM	9.5	6.5	10.2	8.9	10.2	-	-	-	12.8	12.5	11.0	9.5	6.5
	DAY-HR	02-02	13-14	19-17	21-11	01-14	-	-	-	23-12	16-13	27-13	15-16	FEB
	# OBS	744	672	740	718	743	-	-	-	719	742	717	743	6538
POR	MEAN	12.4	12.0	11.6	11.3	12.5	13.2	14.3	14.6	15.4	14.7	13.8	12.6	13.3
	MAXIMUM	17.9	16.5	15.1	16.4	17.6	17.3	18.3	18.0	20.3	19.9	18.5	17.5	20.3
	YEAR	2001	2000	2000	2000	2001	1998	1998	1998	2000	1998	2000	1999	SEP/2000
	MINIMUM	9.5	6.5	6.4	7.7	9.7	10.3	12.1	11.3	12.6	11.4	10.3	5.1	5.1
	YEAR	2001	2001	1999	1999	1999	2000	1999	1999	2000	1999	2000	1998	DEC/1998
	# OBS	2218	2023	2198	2186	2927	2119	2202	2250	2856	2954	2846	2970	29749

STATION: 46063 -- POR (4/1998 - 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
1998	MEAN	-	-	-	12.3	13.4	14.0	15.6	16.8	16.7	15.1	13.8	12.4	14.7
	MAXIMUM	-	-	-	16.8	15.9	16.3	18.8	19.6	19.5	16.5	15.6	14.2	19.6
	DAY-HR	-	-	-	28-01	07-01	18-00	26-00	03-23	07-23	01-00	01-06	03-23	AUG
	MINIMUM	-	-	-	10.2	11.7	12.2	12.9	14.5	14.9	13.7	12.6	11.4	10.2
	DAY-HR	-	-	-	28-13	26-12	11-11	02-21	25-13	20-05	11-16	06-14	14-18	APR
	# OBS	-	-	-	49	710	686	729	787	705	744	714	740	5864
1999	MEAN	12.9	11.9	11.3	11.1	11.9	12.3	14.8	13.2	14.6	14.2	14.5	12.8	13.0
	MAXIMUM	14.1	12.9	12.2	13.7	15.2	16.4	17.6	15.2	16.5	16.3	16.4	15.2	17.6
	DAY-HR	21-10	09-01	24-23	16-23	31-21	30-00	16-01	06-22	08-01	09-23	17-00	01-04	JUL
	MINIMUM	11.7	10.6	10.2	9.4	9.8	10.6	12.5	11.8	12.6	12.5	13.4	11.8	9.4
	DAY-HR	28-17	27-19	06-10	05-15	05-14	19-19	31-23	26-17	16-11	15-14	26-14	19-05	APR
	# OBS	740	660	717	720	743	720	734	725	712	737	700	743	8651
2000	MEAN	12.5	13.1	12.1	11.8	11.9	13.7	14.3	14.5	16.1	14.9	13.4	13.4	13.5
	MAXIMUM	13.7	13.7	13.7	13.6	14.1	17.3	18.4	18.0	18.3	18.3	15.6	14.9	18.4
	DAY-HR	29-00	19-01	23-23	16-08	25-04	19-20	27-19	31-21	02-00	02-01	04-01	07-14	JUL
	MINIMUM	11.4	12.6	10.6	10.2	10.2	10.6	11.4	12.6	13.3	12.5	11.7	12.2	10.2
	DAY-HR	06-11	25-16	31-12	30-14	01-15	12-19	20-19	13-10	10-20	22-17	28-16	27-17	MAY
	# OBS	733	691	741	699	731	710	738	740	720	733	716	744	8696
2001	MEAN	13.2	12.1	12.4	11.1	13.3	-	-	-	15.7	15.1	15.1	12.8	13.4
	MAXIMUM	14.1	13.3	13.6	12.5	18.1	-	-	-	19.5	16.7	16.1	14.8	19.5
	DAY-HR	23-02	21-23	23-00	07-05	31-23	-	-	-	03-22	01-01	04-01	03-08	SEP
	MINIMUM	12.1	11.3	11.3	9.8	10.6	-	-	-	12.1	14.1	13.6	11.3	9.8
	DAY-HR	31-16	14-06	30-15	15-15	02-20	-	-	-	28-13	25-18	24-16	15-20	APR
	# OBS	744	672	739	716	744	-	-	-	715	742	717	743	6532
POR	MEAN	12.9	12.4	11.9	11.4	12.6	13.3	14.9	14.9	15.8	14.8	14.2	12.9	13.6
	MAXIMUM	14.1	13.7	13.7	16.8	18.1	17.3	18.8	19.6	19.5	18.3	16.4	15.2	19.6
	YEAR	2001	2000	2000	1998	2001	2000	1998	1998	2001	2000	1999	1999	AUG/1998
	MINIMUM	11.4	10.6	10.2	9.4	9.8	10.6	11.4	11.8	12.1	12.5	11.7	11.3	9.4
	YEAR	2000	1999	1999	1999	1999	2000	2000	1999	2001	2000	2000	2001	APR/1999
	# OBS	2217	2023	2197	2184	2928	2116	2201	2252	2852	2956	2847	2970	29743

STATION: 46063 -- POR (4/1998 - 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
1998	MEAN	-	-	-	1013.7	1015.5	1014.8	1013.3	1013.0	1010.2	1013.8	1016.8	1020.7	1014.8
	MAXIMUM	-	-	-	1014.9	1020.6	1021.9	1017.4	1018.2	1016.6	1019.9	1023.3	1030.0	1030.0
	DAY-HR	-	-	-	29-19	29-20	13-19	07-19	13-17	23-18	23-17	24-18	10-18	DEC
	MINIMUM	-	-	-	1012.0	1004.4	1007.9	1008.0	1006.5	1002.4	1008.4	1001.8	1011.7	1001.8
	DAY-HR	-	-	-	29-10	13-07	17-01	16-09	31-23	03-05	15-02	28-12	30-23	NOV
	# OBS	-	-	-	49	710	685	729	780	704	743	712	740	5852
1999	MEAN	1018.7	1020.4	1016.1	1015.7	1015.1	1013.9	1014.1	1013.2	1011.8	1015.1	1018.5	1020.8	1016.1
	MAXIMUM	1025.0	1028.7	1021.5	1028.0	1019.0	1029.0	1020.4	1018.6	1017.3	1021.2	1026.1	1028.7	1029.0

	DAY-HR	28-19	10-18	28-19	09-19	31-17	25-20	23-20	17-18	25-18	28-17	24-19	24-18	JUN
	MINIMUM	1008.2	1009.8	1006.5	1005.7	1010.9	1008.0	1008.0	1006.9	1007.9	1008.7	1012.5	1013.0	1005.7
	DAY-HR	25-10	04-23	15-14	23-03	13-03	22-12	02-03	26-10	16-02	15-12	26-23	19-13	APR
	# OBS	739	660	717	720	743	701	733	724	712	737	700	743	8629
2000	MEAN	1020.3	1017.9	1016.2	1016.5	1014.0	1013.0	1014.4	1013.0	1011.5	1013.7	1017.3	1018.6	1015.5
	MAXIMUM	1028.4	1025.2	1025.2	1022.1	1020.4	1019.0	1019.6	1017.7	1018.1	1021.0	1025.9	1026.8	1028.4
	DAY-HR	04-18	01-07	10-20	03-21	11-18	03-19	13-19	25-18	27-20	13-17	18-19	15-18	JAN
	MINIMUM	1012.8	1003.3	1001.2	1009.0	1009.5	1004.9	1009.1	1008.3	1004.1	1005.7	1007.2	1013.9	1001.2
	DAY-HR	15-22	20-23	05-13	17-13	22-07	17-01	31-02	14-06	22-12	22-13	07-00	25-09	MAR
	# OBS	733	691	741	699	731	707	736	741	720	729	717	744	8689
2001	MEAN	1018.9	1016.5	1015.5	1016.6	1013.5	-	-	-	1012.4	1015.3	1016.9	1019.1	1016.1
	MAXIMUM	1026.9	1026.6	1022.3	1024.3	1018.9	-	-	-	1016.3	1022.1	1022.3	1026.8	1026.9
	DAY-HR	25-18	02-18	08-18	22-19	14-19	-	-	-	20-19	29-18	19-18	06-07	JAN
	MINIMUM	1006.4	999.2	1006.2	1010.9	1008.3	-	-	-	1005.6	1007.3	1008.1	1008.2	999.2
	DAY-HR	11-02	13-13	06-03	02-02	02-12	-	-	-	30-05	01-00	24-22	10-22	FEB
	# OBS	744	672	739	718	744	-	-	-	715	742	718	744	6536
POR	MEAN	1019.3	1018.2	1015.9	1016.2	1014.5	1013.9	1013.9	1013.1	1011.5	1014.5	1017.4	1019.8	1015.7
	MAXIMUM	1028.4	1028.7	1025.2	1028.0	1020.6	1029.0	1020.4	1018.6	1018.1	1022.1	1026.1	1030.0	1030.0
	YEAR	2000	1999	2000	1999	1998	1999	1999	1999	2000	2001	1999	1998	DEC/1998
	MINIMUM	1006.4	999.2	1001.2	1005.7	1004.4	1004.9	1008.0	1006.5	1002.4	1005.7	1001.8	1008.2	999.2
	YEAR	2001	2001	2000	1999	1998	2000	1999	1998	1998	2000	1998	2001	FEB/2001
	# OBS	2216	2023	2197	2186	2928	2093	2198	2245	2851	2951	2847	2971	29706

STATION: 46063 -- POR (4/1998 - 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
1998	MEAN	-	-	-	8.9	15.1	12.0	15.1	15.9	11.6	15.3	15.0	15.6	14.4
	MAXIMUM	-	-	-	18.3	25.3	25.7	30.7	25.7	26.8	27.0	27.6	29.2	30.7
	DAY-HR	-	-	-	29-07	22-11	30-23	01-15	29-06	10-06	29-23	05-02	06-14	JUL
	MINIMUM	-	-	-	0.6	0.6	0.0	0.2	0.4	0.4	0.8	0.2	0.4	0.0
	DAY-HR	-	-	-	28-03	27-18	07-09	20-12	02-18	22-19	22-05	10-19	10-12	JUN
	# OBS	-	-	-	49	709	684	727	784	703	741	711	740	5848
1999	MEAN	12.6	14.4	14.8	15.2	18.4	16.5	15.7	15.6	10.3	13.0	11.5	12.6	14.2
	MAXIMUM	26.8	27.8	29.2	34.0	30.1	27.4	26.0	25.5	23.7	26.6	29.0	28.6	34.0
	DAY-HR	01-04	10-05	04-14	04-04	08-10	14-06	24-11	31-06	15-08	29-16	21-21	03-00	APR
	MINIMUM	0.4	0.6	0.2	0.6	0.6	0.2	0.0	0.0	0.6	0.4	0.4	0.0	0.0
	DAY-HR	04-06	20-12	06-18	24-19	01-17	02-14	15-14	23-04	06-10	16-20	16-07	27-00	DEC
	# OBS	740	660	717	720	743	720	732	719	712	737	700	743	8643
2000	MEAN	13.0	10.8	16.1	15.6	16.0	13.4	18.0	-	13.3	11.2	14.2	10.8	13.6
	MAXIMUM	27.0	27.0	31.9	30.5	31.3	25.7	23.1	-	24.3	26.0	27.2	27.0	31.9
	DAY-HR	05-21	12-07	20-04	24-01	11-06	13-11	06-02	-	16-07	22-00	06-20	25-07	MAR
	MINIMUM	0.4	0.2	0.6	0.6	0.4	0.8	11.1	-	1.4	0.2	0.2	0.4	0.2
	DAY-HR	19-02	27-17	09-18	17-12	15-16	16-08	01-18	-	23-01	23-09	29-22	31-18	NOV
	# OBS	733	691	741	699	731	711	205	-	373	735	716	744	7079
2001	MEAN	10.7	11.2	15.2	15.8	11.0	-	-	-	13.6	10.7	13.7	13.6	12.8
	MAXIMUM	26.2	30.5	29.2	27.6	25.5	-	-	-	24.7	28.0	24.7	33.8	33.8
	DAY-HR	09-05	07-03	04-21	03-08	29-01	-	-	-	29-07	23-22	29-14	14-23	DEC
	MINIMUM	0.4	0.2	0.0	1.7	0.0	-	-	-	0.8	0.0	0.2	0.2	0.0
	DAY-HR	22-12	12-07	31-01	20-14	04-18	-	-	-	30-20	31-05	28-14	23-02	OCT
	# OBS	744	672	740	718	744	-	-	-	719	742	718	744	6541
POR	MEAN	12.1	12.1	15.3	15.4	15.1	14.0	15.7	15.7	12.1	12.6	13.6	13.1	13.8
	MAXIMUM	27.0	30.5	31.9	34.0	31.3	27.4	30.7	25.7	26.8	28.0	29.0	33.8	34.0
	YEAR	2000	2001	2000	1999	2000	1999	1998	1998	1998	2001	1999	2001	APR/1999
	MINIMUM	0.4	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.0
	YEAR	2001	2001	2001	2000	2001	1998	1999	1999	1998	2001	2001	1999	OCT/2001
	# OBS	2217	2023	2198	2186	2927	2115	1664	1503	2507	2955	2845	2971	28111

STATION: 46063 -- POR (4/1998 - 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
1998	MEAN	-	-	-	11.8	18.3	14.6	18.4	19.2	14.3	18.6	18.5	19.3	17.7

	MAXIMUM	-	-	-	21.6	30.3	31.5	38.5	31.1	34.6	33.6	34.6	35.8	38.5
	DAY-HR	-	-	-	29-07	22-11	29-14	01-15	29-06	10-06	30-03	06-02	06-15	JUL
	# OBS	-	-	-	49	709	683	727	784	703	741	710	740	5846
1999	MEAN	15.7	17.8	18.4	18.8	22.6	20.2	19.0	19.0	12.8	15.9	14.4	15.6	17.5
	MAXIMUM	33.2	36.5	36.4	43.2	37.7	34.6	33.6	31.1	28.8	32.7	35.2	36.2	43.2
	DAY-HR	01-04	10-07	05-02	23-03	09-03	14-06	07-05	31-02	15-04	29-16	21-22	08-03	APR
	# OBS	739	660	717	720	743	719	730	719	712	737	699	743	8638
2000	MEAN	15.9	13.8	20.0	19.0	19.5	16.4	21.9	-	16.1	14.0	17.3	13.4	16.7
	MAXIMUM	33.8	33.2	42.2	38.1	38.7	32.3	29.5	-	29.2	33.0	35.8	33.2	42.2
	DAY-HR	05-21	12-07	20-04	24-01	11-09	13-11	04-09	-	17-05	22-00	06-20	25-07	MAR
	# OBS	733	691	741	699	731	713	206	-	373	734	717	744	7082
2001	MEAN	13.6	14.1	18.7	19.3	13.6	-	-	-	16.7	13.4	16.9	17.1	15.9
	MAXIMUM	35.6	38.7	36.0	33.8	32.7	-	-	-	32.3	33.8	31.3	41.4	41.4
	DAY-HR	11-13	07-05	04-21	03-10	29-01	-	-	-	06-09	23-22	29-14	14-23	DEC
	# OBS	744	672	740	715	744	-	-	-	715	742	717	744	6533
POR	MEAN	15.1	15.2	19.0	18.9	18.5	17.1	19.1	19.1	14.8	15.5	16.8	16.3	17.0
	MAXIMUM	35.6	38.7	42.2	43.2	38.7	34.6	38.5	31.1	34.6	33.8	35.8	41.4	43.2
	YEAR	2001	2001	2000	1999	2000	1999	1998	1999	1998	2001	2000	2001	APR/1999
	# OBS	2216	2023	2198	2183	2927	2115	1663	1503	2503	2954	2843	2971	28099

STATION: 46063 -- POR (4/1998 - 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	-	-	-	13.9	19.7	15.8	19.6	20.4	15.3	20.0	20.1	20.8	19.0
	MAXIMUM	-	-	-	24.1	31.3	33.4	38.3	31.1	34.8	33.6	36.7	40.4	40.4
	DAY-HR	-	-	-	28-12	22-10	30-23	01-14	29-05	10-04	30-02	06-02	21-03	DEC
	MINIMUM	-	-	-	3.7	2.3	2.9	1.9	2.7	2.7	2.9	2.5	3.1	1.9
	DAY-HR	-	-	-	28-06	27-17	17-18	20-11	02-18	14-12	22-04	10-18	19-01	JUL
	# OBS	-	-	-	50	708	683	727	783	680	741	734	739	5845
1999	MEAN	17.2	19.2	19.9	20.4	23.9	21.5	20.2	20.5	14.0	17.1	15.7	17.0	18.9
	MAXIMUM	39.3	36.9	38.1	45.3	40.2	35.4	34.0	33.4	30.3	34.4	36.7	36.2	45.3
	DAY-HR	26-13	10-05	27-00	04-03	08-08	07-22	07-04	04-11	15-05	29-16	21-21	08-02	APR
	MINIMUM	1.7	2.5	1.9	3.1	2.5	2.7	2.9	2.1	2.7	2.7	2.1	2.1	1.7
	DAY-HR	05-16	12-22	07-06	24-18	01-16	22-13	15-17	23-03	06-09	11-03	16-07	21-01	JAN
	# OBS	764	660	717	720	743	720	728	719	712	736	700	743	8662
2000	MEAN	17.4	15.5	21.6	20.5	20.8	17.6	23.3	-	-	25.7	18.8	14.7	18.5
	MAXIMUM	33.8	39.1	42.2	39.7	39.5	32.3	29.9	-	-	25.7	35.6	34.2	42.2
	DAY-HR	05-20	20-23	20-03	24-00	11-09	13-10	04-09	-	-	31-23	06-19	25-06	MAR
	MINIMUM	3.5	3.3	4.1	3.7	2.5	3.3	14.0	-	-	25.7	3.1	2.9	2.5
	DAY-HR	19-14	02-08	09-20	03-11	15-15	18-20	01-20	-	-	31-23	29-21	04-04	MAY
	# OBS	733	691	741	699	730	704	203	-	-	1	715	743	5960
2001	MEAN	15.1	15.7	20.3	20.7	14.9	-	-	18.3	17.9	14.7	18.4	18.7	17.4
	MAXIMUM	35.6	40.2	39.3	34.8	35.0	-	-	18.3	32.3	38.1	39.5	43.0	43.0
	DAY-HR	11-12	07-03	04-22	03-07	29-01	-	-	31-23	06-08	23-22	12-20	14-22	DEC
	MINIMUM	3.3	1.9	2.5	3.7	1.7	-	-	18.3	2.9	1.0	2.1	1.7	1.0
	DAY-HR	23-00	16-04	31-00	20-13	26-09	-	-	31-23	02-07	28-03	13-05	23-01	OCT
	# OBS	743	670	738	717	742	-	-	1	715	740	716	743	6525
POR	MEAN	16.6	16.8	20.6	20.4	19.8	18.3	20.3	20.4	15.7	17.3	18.3	17.8	18.5
	MAXIMUM	39.3	40.2	42.2	45.3	40.2	35.4	38.3	33.4	34.8	38.1	39.5	43.0	45.3
	YEAR	1999	2001	2000	1999	1999	1999	1998	1999	1998	2001	2001	2001	APR/1999
	MINIMUM	1.7	1.9	1.9	3.1	1.7	2.7	1.9	2.1	2.7	1.0	2.1	1.7	1.0
	YEAR	1999	2001	1999	1999	2001	1999	1998	1999	1999	2001	2001	2001	OCT/2001
	# OBS	2240	2021	2196	2186	2923	2107	1658	1503	2107	2218	2865	2968	26992

STATION: 46063 -- POR (4/1998 - 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
1998	MEAN	-	-	-	1.7	2.2	1.8	2.0	2.0	1.9	2.3	2.9	3.1	2.3
	MAXIMUM	-	-	-	2.3	4.5	3.4	3.7	3.1	4.1	4.7	7.2	6.5	7.2
	DAY-HR	-	-	-	28-13	02-12	17-08	02-12	23-17	10-08	30-18	24-19	09-15	NOV

TOTAL %	0.1	2.8	0.8	0.6	1.7	5.1	3.6	2.4	1.5	2.1	4.8	19.2	55.2	100.0	
TOTAL N	2	61	18	14	38	113	79	52	32	47	106	422	1214		2198

(* < 0.05%)

STATION: 46063

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	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1 - 3		0.1	0.2	0.1	0.2	0.1	0.3	0.2	0.6	0.8	1.0	0.7	0.5	4.7	103	
4 - 6		0.4	0.1	0.3	0.3	0.2	0.3	0.4	0.4	1.5	1.6	1.7	1.1	8.4	184	
7 - 10		0.6	0.1	*	0.4	0.3	0.3	0.4	0.5	0.5	2.1	3.2	2.8	11.3	247	
11 - 15		0.7	-	*	0.2	0.4	*	0.3	0.4	0.1	0.4	7.0	13.2	22.8	499	
16 - 20		*	-	-	-	0.4	*	*	*	0.1	*	5.6	23.6	30.0	655	
21 - 24		-	-	-	-	0.2	*	-	-	-	-	1.6	13.3	15.1	330	
25 - 33		-	-	-	-	0.2	-	-	-	-	-	1.4	6.0	7.6	167	
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	1	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.0	1.8	0.5	0.5	1.1	1.8	1.1	1.4	2.0	3.1	5.1	21.2	60.5	100.0		
TOTAL N	0	40	10	11	24	40	23	31	43	67	111	464	1322		2186	

(* < 0.05%)

STATION: 46063

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	0.0	-	*	0.1	-	-	-	-	*	-	-	-	-	0.2	5
1 - 3		0.5	0.6	0.4	0.4	0.6	0.5	0.5	0.8	0.5	0.7	0.6	0.6	6.6	193
4 - 6		0.5	0.1	0.2	0.6	0.8	0.6	0.6	0.5	1.1	1.2	1.7	1.5	9.4	276
7 - 10		0.5	-	-	0.2	1.1	1.2	0.9	0.5	0.5	0.8	3.9	4.7	14.3	419
11 - 15		0.2	-	*	0.2	0.6	0.8	0.2	0.1	-	0.3	5.2	9.0	16.6	487
16 - 20		0.1	-	-	-	0.1	-	-	-	-	*	4.2	19.6	23.9	701
21 - 24		*	-	-	-	-	-	-	-	-	-	1.8	20.3	22.1	646
25 - 33		-	-	-	-	-	-	-	-	-	-	0.5	6.3	6.8	200
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	1.8	0.8	0.7	1.4	3.2	3.1	2.2	1.9	2.0	3.0	17.9	61.9	100.0	
TOTAL N	1	52	22	20	40	94	90	65	57	60	89	524	1813		2927

(* < 0.05%)

STATION: 46063

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	0.0	-	*	-	*	-	-	-	-	*	-	-	*	0.2	5
1 - 3		0.1	*	*	0.1	0.1	0.2	0.3	0.4	0.3	0.7	0.6	0.5	3.4	73
4 - 6		0.7	0.1	*	0.1	0.2	0.5	0.6	0.4	0.5	1.2	2.6	2.0	9.1	193
7 - 10		0.6	*	*	*	0.5	0.8	0.9	0.4	0.1	1.6	7.1	7.2	19.4	410
11 - 15		0.3	-	-	-	*	0.3	0.3	-	-	0.1	9.7	15.4	26.0	551
16 - 20		*	-	-	-	-	-	*	-	-	-	5.2	17.2	22.5	476
21 - 24		-	-	-	-	-	-	-	-	-	-	1.5	15.5	17.1	361
25 - 33		-	-	-	-	-	-	-	-	-	-	0.2	1.9	2.1	45
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	2
TOTAL %	0.0	1.8	0.3	0.1	0.3	0.9	1.7	2.1	1.3	0.9	3.6	27.0	59.8	100.0	
TOTAL N	1	38	6	3	7	19	37	44	27	20	76	572	1266		2116

(* < 0.05%)

STATION: 46063

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	0.1	-	0.1	-	-	-	0.1	-	-	-	-	0.1	0.1	0.4	7
1 - 3		0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.2	0.1	0.1	0.4	0.4	2.6	44
4 - 6		0.2	0.1	0.1	0.1	0.1	0.1	0.2	-	0.5	1.6	0.9	1.0	4.8	80
7 - 10		0.4	-	-	0.2	0.1	-	-	-	0.2	1.3	6.8	3.8	12.9	214
11 - 15		0.2	-	-	-	0.1	0.4	-	-	0.1	0.4	7.8	11.0	19.9	331
16 - 20		-	-	-	-	0.7	1.0	0.1	-	-	-	8.8	28.3	39.0	648

21 - 24	-	-	-	-	-	-	-	-	-	-	-	2.3	14.3	16.5	275
25 - 33	-	-	-	-	-	-	-	-	-	-	-	0.1	3.7	3.8	64
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	1.0	0.2	0.2	0.5	1.3	1.9	0.7	0.2	0.9	3.3	27.2	62.7	100.0	
TOTAL N	2	16	4	3	8	21	31	11	3	15	55	452	1042		1663

(* < 0.05%)

STATION: 46063

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

Month: AUG

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	-	-	-	-	-	0.1	-	-	-	-	-	-	0.2	3
1 - 3		0.3	0.2	-	-	-	0.1	-	0.1	0.1	0.2	0.4	0.3	1.7	26
4 - 6		0.3	0.1	-	0.1	0.1	-	-	-	-	0.7	0.8	0.7	2.7	40
7 - 10		0.2	0.1	-	0.1	0.1	-	-	-	-	1.0	5.7	4.3	11.3	170
11 - 15		-	-	-	0.1	-	-	-	-	-	0.5	13.4	12.5	26.5	398
16 - 20		0.1	-	-	-	-	-	-	-	-	-	9.4	33.3	42.8	643
21 - 24		-	-	-	-	-	-	-	-	-	-	1.3	13.2	14.5	218
25 - 33		-	-	-	-	-	-	-	-	-	-	-	0.3	0.3	5
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	0.9	0.3	0.0	0.2	0.1	0.1	0.0	0.1	0.1	2.3	31.1	64.5	100.0	
TOTAL N	2	14	5	0	3	2	2	0	2	1	35	467	970		1503

(* < 0.05%)

STATION: 46063

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

Month: SEP

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.0	-	-	*	-	-	*	-	-	-	-	-	-	0.1	2
1 - 3		0.4	0.1	0.2	0.1	0.3	0.5	0.6	0.4	0.6	1.3	1.0	0.8	6.3	158
4 - 6		1.2	0.1	0.1	0.3	1.1	0.7	0.5	0.8	0.8	2.5	3.5	2.4	13.9	348
7 - 10		1.2	-	-	0.1	0.5	0.2	0.3	0.1	*	1.5	10.0	8.3	22.2	556
11 - 15		0.3	-	*	-	0.1	0.4	0.4	*	-	0.3	10.5	13.9	26.0	651
16 - 20		-	-	-	-	-	*	-	-	-	-	6.7	17.3	24.0	602
21 - 24		-	-	-	-	-	-	-	-	-	-	1.6	5.4	7.0	175
25 - 33		-	-	-	-	-	-	-	-	-	-	*	0.6	0.6	15
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	3.1	0.2	0.3	0.4	2.0	1.9	1.8	1.4	1.5	5.6	33.2	48.6	100.0	
TOTAL N	0	77	4	8	11	50	47	46	35	38	140	832	1219		2507

(* < 0.05%)

STATION: 46063

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

Month: OCT

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	*	-	*	0.1	-	*	*	*	*	*	-	-	0.5	14
1 - 3		0.7	0.5	0.8	0.9	0.7	0.7	1.2	0.9	1.0	1.0	0.9	0.7	10.0	295
4 - 6		0.7	0.1	0.2	0.4	0.9	0.6	0.4	0.5	0.8	1.4	1.9	2.2	10.2	302
7 - 10		0.9	*	0.1	0.3	0.5	0.4	0.3	0.3	0.4	0.7	6.3	7.5	17.8	526
11 - 15		0.3	-	-	-	0.1	0.3	0.1	0.3	-	0.2	8.9	14.0	24.2	714
16 - 20		0.1	-	-	-	-	*	-	-	-	*	7.7	19.0	26.8	793
21 - 24		-	-	-	-	-	-	-	-	-	-	1.5	7.9	9.4	279
25 - 33		-	-	-	-	-	-	-	-	-	-	0.2	0.8	1.0	31
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	2.7	0.7	1.2	1.7	2.1	2.2	2.0	2.0	2.2	3.5	27.4	52.2	100.0	
TOTAL N	5	80	20	34	49	62	64	59	59	66	103	810	1543		2954

(* < 0.05%)

STATION: 46063

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

Month: NOV

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.0	*	0.1	*	*	-	-	*	*	-	-	-	*	0.3	8
1 - 3		0.6	0.4	0.6	0.6	0.4	0.4	0.1	0.7	0.5	0.5	0.3	0.5	5.6	159

4 - 6	0.7	0.4	0.3	0.4	1.0	0.6	0.5	0.3	0.5	1.0	1.8	1.3	8.8	249
7 - 10	1.1	0.1	0.1	0.6	1.9	1.2	0.1	0.2	0.1	0.9	4.5	5.5	16.3	464
11 - 15	1.1	-	*	0.4	1.6	1.1	0.1	-	-	0.1	6.0	15.9	26.2	746
16 - 20	0.8	-	0.1	0.1	0.4	0.8	*	-	-	0.1	5.5	23.9	31.7	901
21 - 24	0.2	-	-	*	-	0.1	-	*	*	*	0.8	7.9	9.2	261
25 - 33	*	-	-	-	-	-	-	-	-	-	*	1.8	1.9	54
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.7	1.0	1.2	2.1	5.2	4.2	0.9	1.2	1.1	2.5	19.0	56.8	100.0
TOTAL N	0	133	28	34	61	149	118	26	35	32	71	541	1614	2842

(* < 0.05%)

STATION: 46063

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

Month: DEC

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	*	0.1	-	-	0.1	*	-	0.1	-	0.1	*	0.5	14
1 - 3		0.9	0.9	0.6	0.6	0.4	0.4	0.2	0.4	0.5	0.7	1.6	1.1	8.4	250
4 - 6		1.6	0.7	0.4	1.1	0.6	0.4	0.2	0.4	0.5	0.9	3.0	2.9	12.9	384
7 - 10		1.2	0.2	0.3	0.8	0.6	0.4	0.1	0.2	0.4	1.0	6.3	6.8	18.3	545
11 - 15		1.3	*	-	0.8	0.6	0.1	0.1	0.1	0.1	0.5	4.8	10.6	19.1	566
16 - 20		1.9	-	-	0.2	0.6	0.1	-	0.1	0.1	0.1	3.2	17.2	23.5	698
21 - 24		1.0	-	-	0.3	0.1	-	-	-	0.1	0.1	0.8	10.0	12.4	368
25 - 33		0.1	-	-	0.3	*	-	-	-	-	-	0.5	3.9	4.9	145
34 - 47		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	8.1	1.9	1.4	4.2	3.0	1.6	0.6	1.1	1.8	3.3	20.3	52.7	100.0	
TOTAL N	2	240	56	42	125	89	47	19	32	53	98	602	1566		2971

(* < 0.05%)

STATION: 46063

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

All Months: Annual

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	*	*	*	-	*	*	*	*	*	*	*	0.3	74
1 - 3		0.5	0.4	0.3	0.4	0.5	0.4	0.5	0.5	0.5	0.7	0.8	0.6	6.2	1754
4 - 6		0.8	0.3	0.2	0.5	0.7	0.5	0.5	0.5	0.8	1.4	2.0	1.8	10.1	2838
7 - 10		0.8	0.1	0.1	0.4	0.8	0.8	0.5	0.4	0.4	1.3	5.7	5.5	17.0	4777
11 - 15		0.7	*	*	0.3	0.7	0.6	0.3	0.2	0.1	0.5	7.1	12.1	22.7	6373
16 - 20		0.5	*	*	0.2	0.4	0.3	0.1	0.1	0.1	0.1	5.6	19.7	27.1	7629
21 - 24		0.2	-	-	0.1	0.2	0.1	*	*	*	*	1.5	11.1	13.1	3681
25 - 33		*	-	-	*	0.1	*	-	*	-	-	0.4	3.0	3.5	977
34 - 47		-	-	-	-	-	-	-	-	-	-	*	*	0.0	2
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	2
TOTAL %	0.1	3.6	0.8	0.8	2.1	3.3	2.9	1.8	1.8	2.0	4.0	23.0	53.9	100.0	
TOTAL N	15	1012	227	222	583	921	809	498	509	561	1135	6454	15161		28107

(* < 0.05%)

STATION: 46063

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

Months: DEC, JAN, FEB (Winter)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.0	*	*	*	0.1	-	*	*	*	*	*	0.1	*	0.3	23
1 - 3		0.8	0.7	0.5	0.7	0.9	0.6	0.5	0.5	0.6	0.8	1.1	1.0	8.6	620
4 - 6		1.3	0.6	0.5	1.2	0.9	0.7	0.7	0.7	0.9	1.2	2.4	2.6	13.8	995
7 - 10		1.0	0.2	0.2	1.0	1.2	1.4	0.5	0.8	0.8	1.6	5.4	5.6	19.7	1423
11 - 15		1.4	*	0.1	0.8	1.2	1.0	0.3	0.6	0.5	0.9	4.8	9.7	21.2	1532
16 - 20		1.6	*	-	0.6	0.8	0.6	0.2	0.3	0.2	0.3	3.9	14.9	23.3	1681
21 - 24		0.6	-	-	0.2	0.2	0.1	0.1	*	*	0.1	1.0	7.6	9.9	714
25 - 33		0.1	-	-	0.1	*	-	-	*	-	-	0.3	2.5	3.1	222
34 - 47		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	6.9	1.5	1.3	4.7	5.1	4.4	2.3	3.0	3.0	4.8	19.0	43.8	100.0	
TOTAL N	2	501	110	95	342	371	318	164	216	215	349	1370	3158		7211

(* < 0.05%)

STATION: 46063

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

Months: MAR, APR, MAY (Spring)

WIND DIRECTION

WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
0	0.0	*	*	*	-	-	*	-	*	-	-	-	*	0.2	12
1 - 3		0.3	0.4	0.2	0.3	0.3	0.4	0.3	0.6	0.6	0.7	0.6	0.5	5.2	379
4 - 6		0.5	0.1	0.2	0.4	0.5	0.5	0.5	0.5	1.1	1.4	1.7	1.2	8.6	631
7 - 10		0.6	0.1	0.1	0.2	0.8	0.8	0.8	0.5	0.5	1.5	4.0	3.9	13.9	1014
11 - 15		0.4	*	0.1	0.3	0.7	0.7	0.4	0.2	0.1	0.4	5.6	11.0	19.8	1450
16 - 20		0.2	*	*	0.2	0.5	0.1	0.1	*	0.1	0.2	4.5	20.0	25.8	1885
21 - 24		*	-	-	*	0.5	0.1	-	-	*	*	2.0	16.5	19.1	1398
25 - 33		-	-	-	*	0.2	0.1	-	-	-	-	0.8	6.3	7.4	541
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	2.1	0.7	0.6	1.4	3.4	2.6	2.0	1.8	2.4	4.2	19.3	59.5	100.0	
TOTAL N	3	153	50	45	102	247	192	148	132	174	306	1410	4349		7311

(* < 0.05%)

STATION: 46063

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	0.1	-	0.1	-	*	-	*	-	-	*	-	*	*	0.3	15
1 - 3		0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.5	0.4	2.7	143
4 - 6		0.4	0.1	*	0.1	0.2	0.2	0.3	0.2	0.4	1.2	1.6	1.3	5.9	313
7 - 10		0.4	*	*	0.1	0.2	0.3	0.3	0.2	0.1	1.3	6.6	5.3	15.0	794
11 - 15		0.2	-	-	*	*	0.2	0.1	-	*	0.3	10.2	13.2	24.2	1280
16 - 20		*	-	-	-	0.2	0.3	*	-	-	-	7.6	25.3	33.5	1767
21 - 24		-	-	-	-	-	-	-	-	-	-	1.7	14.5	16.2	854
25 - 33		-	-	-	-	-	-	-	-	-	-	0.1	2.0	2.2	114
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	2
TOTAL %	0.1	1.3	0.3	0.1	0.3	0.8	1.3	1.0	0.6	0.7	3.1	28.2	62.1	100.0	
TOTAL N	5	68	15	6	18	42	70	55	32	36	166	1491	3278		5282

(* < 0.05%)

STATION: 46063

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	*	*	*	-	*	*	*	*	*	-	*	0.3	24
1 - 3		0.6	0.3	0.5	0.6	0.5	0.5	0.7	0.7	0.7	0.9	0.7	0.7	7.4	612
4 - 6		0.9	0.2	0.2	0.4	1.0	0.6	0.5	0.6	0.7	1.6	2.3	1.9	10.8	899
7 - 10		1.0	0.1	0.1	0.3	1.0	0.7	0.2	0.2	0.2	1.0	6.8	7.1	18.6	1546
11 - 15		0.6	-	*	0.1	0.6	0.6	0.2	0.1	-	0.2	8.4	14.6	25.4	2111
16 - 20		0.3	-	*	*	0.1	0.3	*	-	-	*	6.6	20.1	27.7	2296
21 - 24		0.1	-	-	*	-	*	-	*	*	*	1.3	7.2	8.6	715
25 - 33		*	-	-	-	-	-	-	-	-	-	0.1	1.1	1.2	100
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	3.5	0.6	0.9	1.5	3.1	2.8	1.6	1.6	1.6	3.8	26.3	52.7	100.0	
TOTAL N	5	290	52	76	121	261	229	131	129	136	314	2183	4376		8303

(* < 0.05%)

STATION: 46063

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

Month: JAN

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	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	-	0.2	5	
1 - 3	-	*	*	*	0.1	-	-	-	-	-	-	-	-	-	-	-	9.6	212
4 - 6	-	1.4	5.0	1.9	0.9	0.3	*	-	-	-	-	-	-	-	-	-	14.0	310
7 - 10	-	3.1	6.4	2.7	1.2	0.5	0.1	-	-	-	-	-	-	-	-	-	19.1	423
11 - 15	-	2.4	7.8	6.3	1.7	0.8	0.2	-	-	-	-	-	-	-	-	-	23.1	513
16 - 20	-	1.4	8.1	7.6	4.3	1.1	0.6	0.1	-	-	-	-	-	-	-	-	24.0	533
21 - 24	-	0.4	7.7	10.5	3.8	0.7	0.7	0.3	0.1	-	-	-	-	-	-	-	8.9	198
25 - 33	-	-	2.0	5.1	1.3	0.3	0.2	-	-	-	-	-	-	-	-	-	1.0	23
34 - 47	-	-	0.1	0.4	0.5	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	8.7	37.1	34.6	13.8	3.6	1.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	192	823	767	305	79	40	10	2	0	0	0	0	0	0	0		2218

(* < 0.05%)

STATION: 46063

TOTAL %	0.5	10.6	53.1	26.5	7.2	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	16	310	1546	773	211	51	5	0	0	0	0	0	0	0	0		2912

(* < 0.05%)

STATION: 46063

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	0.2	5	
1 - 3	-	0.7	1.8	0.9	-	-	-	-	-	-	-	-	-	-	-	3.4	73	
4 - 6	-	2.0	5.8	1.3	-	-	-	-	-	-	-	-	-	-	-	9.2	194	
7 - 10	-	6.1	12.0	1.3	-	-	-	-	-	-	-	-	-	-	-	19.3	409	
11 - 15	-	9.0	14.8	2.2	-	-	-	-	-	-	-	-	-	-	-	26.0	551	
16 - 20	-	1.8	15.4	4.9	0.3	-	-	-	-	-	-	-	-	-	-	22.4	474	
21 - 24	-	-	6.9	9.3	0.9	-	-	-	-	-	-	-	-	-	-	17.1	361	
25 - 33	-	-	0.5	1.4	0.2	-	-	-	-	-	-	-	-	-	-	2.1	45	
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.2	5	
TOTAL %	0.0	19.8	57.4	21.4	1.4	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	419	1215	453	30	0	0	0	0	0	0	0	0	0	0		2117	

(* < 0.05%)

STATION: 46063

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	0.3	7	
1 - 3	-	0.1	1.8	*	-	-	-	-	-	-	-	-	-	-	-	2.0	44	
4 - 6	-	0.8	2.8	*	-	-	-	-	-	-	-	-	-	-	-	3.6	80	
7 - 10	-	2.5	7.0	0.2	-	-	-	-	-	-	-	-	-	-	-	9.7	214	
11 - 15	-	4.3	9.8	1.0	-	-	-	-	-	-	-	-	-	-	-	15.0	330	
16 - 20	-	8.6	17.2	3.7	-	-	-	-	-	-	-	-	-	-	-	29.4	648	
21 - 24	-	0.1	7.4	4.9	0.1	-	-	-	-	-	-	-	-	-	-	12.5	275	
25 - 33	-	-	0.8	1.7	0.4	-	-	-	-	-	-	-	-	-	-	2.9	64	
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48	-	5.8	13.6	5.3	-	-	-	-	-	-	-	-	-	-	-	24.6	542	
TOTAL %	0.0	22.1	60.6	16.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	487	1336	370	11	0	0	0	0	0	0	0	0	0	0		2204	

(* < 0.05%)

STATION: 46063

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

Month: AUG

WIND SPEED	WAVE HEIGHT																TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.1	3	
1 - 3	-	0.3	0.8	-	-	-	-	-	-	-	-	-	-	-	-	1.2	26	
4 - 6	-	0.8	0.9	-	-	-	-	-	-	-	-	-	-	-	-	1.8	40	
7 - 10	-	3.5	4.0	-	-	-	-	-	-	-	-	-	-	-	-	7.5	170	
11 - 15	-	5.7	11.4	0.5	-	-	-	-	-	-	-	-	-	-	-	17.6	398	
16 - 20	-	3.4	23.0	2.1	*	-	-	-	-	-	-	-	-	-	-	28.5	643	
21 - 24	-	*	7.8	1.6	0.1	-	-	-	-	-	-	-	-	-	-	9.7	218	
25 - 33	-	-	0.2	-	*	-	-	-	-	-	-	-	-	-	-	0.2	5	
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48	-	8.5	22.4	2.5	*	-	-	-	-	-	-	-	-	-	-	33.4	754	
TOTAL %	0.0	22.4	70.6	6.7	0.3	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	505	1594	152	6	0	0	0	0	0	0	0	0	0	0		2257	

(* < 0.05%)

STATION: 46063

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

Month: SEP

WIND SPEED	WAVE HEIGHT																TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.1	2	
1 - 3	-	0.7	4.3	0.6	-	-	-	-	-	-	-	-	-	-	-	5.6	158	

4 - 6	-	3.6	8.1	0.6	-	-	-	-	-	-	-	-	-	-	-	12.2	348
7 - 10	-	7.1	11.3	0.9	-	-	-	-	-	-	-	-	-	-	-	19.4	551
11 - 15	-	7.7	13.0	2.0	-	-	-	-	-	-	-	-	-	-	-	22.7	644
16 - 20	-	3.9	12.5	4.4	0.2	-	-	-	-	-	-	-	-	-	-	21.1	599
21 - 24	-	0.3	1.6	3.8	0.4	-	-	-	-	-	-	-	-	-	-	6.2	175
25 - 33	-	-	-	0.3	0.2	-	-	-	-	-	-	-	-	-	-	0.5	15
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	3.9	7.4	1.0	-	-	-	-	-	-	-	-	-	-	-	12.3	351
TOTAL %	0.0	27.3	58.2	13.6	0.8	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	776	1656	388	23	0	0	0	0	0	0	0	0	0	0		2843

(* < 0.05%)

STATION: 46063

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

Month: OCT

		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		
WIND SPEED	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	
0	-	0.2	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	0.5	14	
1 - 3	-	1.8	5.0	2.1	0.7	0.2	-	-	-	-	-	-	-	-	-	9.9	292	
4 - 6	-	2.2	4.7	2.6	0.6	-	-	-	-	-	-	-	-	-	-	10.2	302	
7 - 10	-	5.5	8.1	3.4	0.7	*	-	-	-	-	-	-	-	-	-	17.8	524	
11 - 15	-	6.1	12.8	3.4	1.4	0.3	-	-	-	-	-	-	-	-	-	24.1	712	
16 - 20	-	2.3	16.7	5.7	1.6	0.3	0.1	*	-	-	-	-	-	-	-	26.8	792	
21 - 24	-	*	2.6	4.9	1.2	0.3	0.3	0.1	-	*	-	-	-	-	-	9.5	280	
25 - 33	-	-	*	0.4	0.5	0.1	*	-	-	-	-	-	-	-	-	1.1	31	
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48	-	-	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	4	
TOTAL %	0.0	18.2	50.3	22.9	6.8	1.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	537	1484	675	201	39	11	3	0	1	0	0	0	0	0		2951	

(* < 0.05%)

STATION: 46063

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

Month: NOV

		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		
WIND SPEED	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	
0	-	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.3	8	
1 - 3	-	0.8	3.1	1.6	0.2	0.1	-	-	-	-	-	-	-	-	-	5.7	159	
4 - 6	-	1.1	5.4	2.0	0.4	0.1	*	-	-	-	-	-	-	-	-	9.0	250	
7 - 10	-	2.3	9.3	3.6	0.7	0.3	0.1	0.1	-	-	-	-	-	-	-	16.4	454	
11 - 15	-	1.2	12.9	6.9	3.2	1.3	0.4	0.1	-	-	-	-	-	-	-	26.1	724	
16 - 20	-	0.3	11.9	12.7	4.5	1.3	0.4	-	-	-	-	-	-	-	-	31.0	861	
21 - 24	-	0.1	1.8	4.8	2.3	0.5	-	-	-	-	-	-	-	-	-	9.4	262	
25 - 33	-	-	0.1	1.0	0.6	0.3	-	-	-	-	-	-	-	-	-	1.9	54	
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	4	
TOTAL %	0.0	5.8	44.6	32.7	12.0	3.9	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	161	1238	908	332	107	26	4	0	0	0	0	0	0	0		2776	

(* < 0.05%)

STATION: 46063

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

Month: DEC

		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		
WIND SPEED	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	
0	-	*	0.3	0.2	-	-	-	-	-	-	-	-	-	-	-	0.5	14	
1 - 3	-	0.6	4.9	2.5	0.3	*	0.1	-	-	-	-	-	-	-	-	8.4	250	
4 - 6	-	1.9	6.6	3.6	0.6	0.1	*	-	-	-	-	-	-	-	-	13.0	384	
7 - 10	-	3.1	8.3	5.3	1.4	0.2	0.1	-	-	-	-	-	-	-	-	18.3	543	
11 - 15	-	1.6	6.6	6.8	2.7	0.9	0.3	0.1	-	-	-	-	-	-	-	19.1	565	
16 - 20	-	0.6	7.6	8.1	4.8	2.0	0.3	0.1	-	-	-	-	-	-	-	23.4	694	
21 - 24	-	-	2.1	5.3	2.9	1.4	0.7	*	-	-	-	-	-	-	-	12.4	368	
25 - 33	-	-	0.1	2.3	1.6	0.4	0.3	0.1	-	-	-	-	-	-	-	4.9	145	
34 - 47	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	1	
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.0	7.9	36.5	34.0	14.4	5.0	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	235	1081	1008	426	149	56	9	0	0	0	0	0	0	0		2964	

(* < 0.05%)

STATION: 46063

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	-	0.2	74
1 - 3	*	0.9	3.2	1.3	0.3	0.1	*	-	-	-	-	-	-	-	-	5.9	1748
4 - 6	*	1.9	5.0	1.9	0.5	0.1	*	-	-	-	-	-	-	-	-	9.6	2840
7 - 10	*	3.7	8.1	3.1	0.9	0.3	*	*	-	-	-	-	-	-	-	16.0	4756
11 - 15	-	3.8	10.7	4.6	1.6	0.5	0.1	*	-	-	-	-	-	-	-	21.4	6332
16 - 20	-	1.9	12.9	7.4	2.5	0.7	0.1	*	*	-	-	-	-	-	-	25.5	7573
21 - 24	-	0.1	3.7	5.9	2.1	0.5	0.1	*	-	*	-	-	-	-	-	12.4	3682
25 - 33	-	-	0.2	1.2	1.3	0.5	0.1	*	-	-	-	-	-	-	-	3.3	977
34 - 47	-	-	-	-	*	-	*	-	-	-	-	-	-	-	-	0.0	2
> 48	-	1.5	3.5	0.7	*	-	-	-	-	-	-	-	-	-	-	5.6	1662
TOTAL %	0.1	13.7	47.5	26.1	9.3	2.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	16	4060	14073	7740	2747	802	178	27	2	1	0	0	0	0	0		29646

(* < 0.05%)

STATION: 46063

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	-	0.3	23
1 - 3	-	0.9	4.4	2.3	0.8	0.1	0.1	-	-	-	-	-	-	-	-	8.6	620
4 - 6	-	2.1	6.4	3.5	1.3	0.4	0.1	-	-	-	-	-	-	-	-	13.8	995
7 - 10	-	2.5	8.0	6.1	2.3	0.7	0.1	-	-	-	-	-	-	-	-	19.7	1420
11 - 15	-	1.3	7.4	7.6	3.4	1.1	0.4	0.1	-	-	-	-	-	-	-	21.3	1531
16 - 20	-	0.4	6.9	9.1	4.8	1.5	0.4	0.2	*	-	-	-	-	-	-	23.3	1676
21 - 24	-	-	1.7	4.7	2.4	0.8	0.3	*	-	-	-	-	-	-	-	9.9	714
25 - 33	-	-	0.1	1.2	1.1	0.5	0.2	*	-	-	-	-	-	-	-	3.1	222
34 - 47	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	7.1	35.0	34.7	16.1	5.1	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	515	2524	2499	1163	366	114	20	2	0	0	0	0	0	0		7203

(* < 0.05%)

STATION: 46063

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.2	12
1 - 3	0.1	1.2	2.6	0.9	0.3	0.1	-	-	-	-	-	-	-	-	-	5.2	376
4 - 6	0.1	1.9	4.2	2.0	0.4	0.1	-	-	-	-	-	-	-	-	-	8.6	631
7 - 10	*	3.0	6.8	3.1	0.7	0.3	-	-	-	-	-	-	-	-	-	13.9	1014
11 - 15	-	2.5	10.3	5.2	1.4	0.3	*	-	-	-	-	-	-	-	-	19.8	1442
16 - 20	-	0.5	12.8	9.0	2.7	0.8	*	-	-	-	-	-	-	-	-	25.8	1880
21 - 24	-	-	4.5	9.3	4.3	1.0	0.1	-	-	-	-	-	-	-	-	19.2	1397
25 - 33	-	-	0.2	2.0	3.6	1.4	0.2	-	-	-	-	-	-	-	-	7.4	541
34 - 47	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
> 48	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.2	9.0	41.5	31.5	13.4	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	16	660	3026	2295	981	290	27	0	0	0	0	0	0	0	0		7295

(* < 0.05%)

STATION: 46063

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.2	15
1 - 3	-	0.4	1.5	0.3	-	-	-	-	-	-	-	-	-	-	-	2.2	143
4 - 6	-	1.2	3.1	0.4	-	-	-	-	-	-	-	-	-	-	-	4.8	314
7 - 10	-	4.0	7.6	0.5	-	-	-	-	-	-	-	-	-	-	-	12.1	793
11 - 15	-	6.3	12.0	1.2	-	-	-	-	-	-	-	-	-	-	-	19.4	1279
16 - 20	-	4.6	18.6	3.5	0.1	-	-	-	-	-	-	-	-	-	-	26.8	1765
21 - 24	-	*	7.4	5.2	0.3	-	-	-	-	-	-	-	-	-	-	13.0	854
25 - 33	-	-	0.5	1.0	0.2	-	-	-	-	-	-	-	-	-	-	1.7	114
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	4.8	12.3	2.6	*	-	-	-	-	-	-	-	-	-	-	19.8	1301

TOTAL %	0.0	21.5	63.0	14.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1411	4145	975	47	0	0	0	0	0	0	0	0	0	0	6578

(* < 0.05%)

STATION: 46063

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.3	24
1 - 3	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	7.1	609
4 - 6	-	2.3	6.1	1.7	0.3	*	*	-	-	-	-	-	-	-	-	10.5	900
7 - 10	-	5.0	9.6	2.7	0.5	0.1	*	*	-	-	-	-	-	-	-	17.8	1529
11 - 15	-	5.1	12.9	4.1	1.5	0.5	0.1	*	*	-	-	-	-	-	-	24.3	2080
16 - 20	-	2.2	13.8	7.5	2.1	0.5	0.1	*	-	-	-	-	-	-	-	26.3	2252
21 - 24	-	0.1	2.0	4.5	1.3	0.3	0.1	*	-	*	-	-	-	-	-	8.4	717
25 - 33	-	-	*	0.6	0.4	0.1	*	-	-	-	-	-	-	-	-	1.2	100
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	1.3	2.5	0.4	*	-	-	-	-	-	-	-	-	-	-	4.2	359
TOTAL %	0.0	17.2	51.1	23.0	6.5	1.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1474	4378	1971	556	146	37	7	0	1	0	0	0	0	0	8570	

(* < 0.05%)

STATION: 46063

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

Month: JAN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>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	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
4.5 - 5.4	-	0.1	0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.6	14
5.5 - 6.4	-	*	0.6	0.1	-	-	-	-	-	-	-	-	-	-	-	0.8	17
6.5 - 7.4	-	-	2.0	1.3	-	-	-	-	-	-	-	-	-	-	-	3.2	72
7.5 - 8.4	-	0.9	1.5	2.2	0.5	*	-	-	-	-	-	-	-	-	-	5.1	114
8.5 - 9.4	-	0.5	1.2	0.5	0.1	-	-	-	-	-	-	-	-	-	-	2.3	51
9.5 - 10.4	-	0.7	1.0	0.3	0.1	-	-	-	-	-	-	-	-	-	-	2.2	49
10.5 - 11.4	-	1.4	3.3	1.4	0.4	*	-	-	-	-	-	-	-	-	-	6.6	147
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.1	8.0	6.7	1.4	0.5	*	-	-	-	-	-	-	-	-	18.8	416
13.5 - 14.4	-	1.6	8.5	14.5	6.1	1.2	0.4	*	-	-	-	-	-	-	-	32.3	717
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.1	8.1	5.3	4.0	1.1	1.2	0.4	0.1	-	-	-	-	-	-	21.2	471
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	2.1	2.3	1.1	0.7	0.2	-	-	-	-	-	-	-	-	6.5	145
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	4
TOTAL %	0.0	8.7	37.1	34.6	13.8	3.6	1.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	192	823	767	305	79	40	10	2	0	0	0	0	0	0	2218	

(* < 0.05%)

STATION: 46063

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

Month: FEB

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.1	3
5.5 - 6.4	-	-	0.2	0.4	-	-	-	-	-	-	-	-	-	-	-	0.6	13
6.5 - 7.4	-	-	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	0.5	11
7.5 - 8.4	-	-	0.8	0.5	0.1	*	-	-	-	-	-	-	-	-	-	1.4	29
8.5 - 9.4	-	0.1	0.6	0.6	0.1	*	-	-	-	-	-	-	-	-	-	1.6	32
9.5 - 10.4	-	0.2	1.3	0.7	0.5	0.2	-	-	-	-	-	-	-	-	-	3.0	60

16.5 - 17.4	-	1.0	4.9	1.2	0.4	0.3	-	-	-	-	-	-	-	-	-	7.8	171
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	1.1	0.2	-	-	-	-	-	-	-	-	-	-	-	1.4	30
TOTAL %	0.0	11.7	46.9	26.6	11.8	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	255	1024	582	258	54	12	0	0	0	0	0	0	0	0		2185

(* < 0.05%)

STATION: 46063

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

Month: MAY

		WAVE HEIGHT																
		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
WAVE PERIOD		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			
< 0.5		0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	16
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	3
4.5 - 5.4		-	0.1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	0.8	22
5.5 - 6.4		-	0.1	2.4	0.2	-	-	-	-	-	-	-	-	-	-	-	2.7	79
6.5 - 7.4		-	0.8	5.9	2.6	-	-	-	-	-	-	-	-	-	-	-	9.4	273
7.5 - 8.4		-	0.6	6.7	8.9	0.6	-	-	-	-	-	-	-	-	-	-	16.8	490
8.5 - 9.4		-	1.5	4.0	3.1	1.5	-	-	-	-	-	-	-	-	-	-	10.2	296
9.5 - 10.4		-	1.0	7.5	2.5	2.3	*	-	-	-	-	-	-	-	-	-	13.2	385
10.5 - 11.4		-	0.5	6.2	3.5	1.7	0.4	-	-	-	-	-	-	-	-	-	12.4	360
11.5 - 12.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4		-	0.9	2.6	3.1	0.5	0.9	*	-	-	-	-	-	-	-	-	8.0	233
13.5 - 14.4		-	2.2	5.7	1.8	0.5	0.4	0.1	-	-	-	-	-	-	-	-	10.8	314
14.5 - 15.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4		-	2.4	9.3	0.7	0.1	-	-	-	-	-	-	-	-	-	-	12.5	364
17.5 - 18.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4		-	0.4	2.0	0.2	-	-	-	-	-	-	-	-	-	-	-	2.6	75
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	2
TOTAL %		0.5	10.6	53.1	26.5	7.2	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		16	310	1546	773	211	51	5	0	0	0	0	0	0	0	0		2912

(* < 0.05%)

STATION: 46063

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

Month: JUN

		WAVE HEIGHT																
		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
WAVE PERIOD		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			
< 0.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	7
4.5 - 5.4		-	0.4	2.1	-	-	-	-	-	-	-	-	-	-	-	-	2.6	54
5.5 - 6.4		-	0.2	4.4	0.1	-	-	-	-	-	-	-	-	-	-	-	4.7	100
6.5 - 7.4		-	-	2.7	1.8	-	-	-	-	-	-	-	-	-	-	-	4.5	96
7.5 - 8.4		-	0.8	4.7	6.7	-	-	-	-	-	-	-	-	-	-	-	12.2	258
8.5 - 9.4		-	1.7	4.3	4.8	0.3	-	-	-	-	-	-	-	-	-	-	11.1	235
9.5 - 10.4		-	3.2	10.9	2.6	0.1	-	-	-	-	-	-	-	-	-	-	16.7	354
10.5 - 11.4		-	1.1	8.5	2.5	-	-	-	-	-	-	-	-	-	-	-	12.1	257
11.5 - 12.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4		-	1.4	1.4	1.0	0.1	-	-	-	-	-	-	-	-	-	-	3.9	83
13.5 - 14.4		-	3.9	3.6	1.5	0.9	-	-	-	-	-	-	-	-	-	-	9.9	209
14.5 - 15.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4		-	6.0	12.8	0.4	-	-	-	-	-	-	-	-	-	-	-	19.1	404
17.5 - 18.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4		-	0.9	1.9	-	-	-	-	-	-	-	-	-	-	-	-	2.8	60
TOTAL %		0.0	19.8	57.4	21.4	1.4	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	419	1215	453	30	0	0	0	0	0	0	0	0	0	0		2117

(* < 0.05%)

STATION: 46063

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.9	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.1	24
4.5 - 5.4	-	4.1	2.5	-	-	-	-	-	-	-	-	-	-	-	-	6.7	147
5.5 - 6.4	-	0.4	5.9	0.1	-	-	-	-	-	-	-	-	-	-	-	6.4	142
6.5 - 7.4	-	0.3	7.8	0.9	-	-	-	-	-	-	-	-	-	-	-	9.0	199
7.5 - 8.4	-	3.3	16.2	7.4	-	-	-	-	-	-	-	-	-	-	-	26.8	591
8.5 - 9.4	-	4.5	10.3	6.4	0.5	-	-	-	-	-	-	-	-	-	-	21.6	476
9.5 - 10.4	-	2.0	5.0	1.6	*	-	-	-	-	-	-	-	-	-	-	8.7	191
10.5 - 11.4	-	0.2	2.1	0.5	-	-	-	-	-	-	-	-	-	-	-	2.8	61
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	0.3	-	-	-	-	-	-	-	-	-	-	-	-	0.3	7
13.5 - 14.4	-	4.2	2.1	-	-	-	-	-	-	-	-	-	-	-	-	6.4	140
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.1	7.9	-	-	-	-	-	-	-	-	-	-	-	-	10.0	221
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.2	5
TOTAL %	0.0	22.1	60.6	16.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	487	1336	370	11	0	0	0	0	0	0	0	0	0	0		2204

(* < 0.05%)

STATION: 46063

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	1.8	0.2	-	-	-	-	-	-	-	-	-	-	-	-	2.0	45
4.5 - 5.4	-	1.2	3.7	-	-	-	-	-	-	-	-	-	-	-	-	4.9	110
5.5 - 6.4	-	0.1	6.2	*	-	-	-	-	-	-	-	-	-	-	-	6.4	144
6.5 - 7.4	-	1.3	10.5	0.3	-	-	-	-	-	-	-	-	-	-	-	12.1	274
7.5 - 8.4	-	4.5	19.1	2.5	0.1	-	-	-	-	-	-	-	-	-	-	26.2	592
8.5 - 9.4	-	3.0	9.9	2.1	0.1	-	-	-	-	-	-	-	-	-	-	15.1	341
9.5 - 10.4	-	3.3	6.2	1.6	0.1	-	-	-	-	-	-	-	-	-	-	11.2	253
10.5 - 11.4	-	2.2	0.9	-	-	-	-	-	-	-	-	-	-	-	-	3.1	71
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.1	1.4	-	-	-	-	-	-	-	-	-	-	-	-	3.5	79
13.5 - 14.4	-	1.6	2.7	-	-	-	-	-	-	-	-	-	-	-	-	4.3	96
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.8	8.7	0.1	-	-	-	-	-	-	-	-	-	-	-	9.7	218
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	1.2	-	-	-	-	-	-	-	-	-	-	-	-	1.5	34
TOTAL %	0.0	22.4	70.6	6.7	0.3	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	505	1594	152	6	0	0	0	0	0	0	0	0	0	0		2257

(* < 0.05%)

STATION: 46063

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	0
3.5 - 4.4	-	0.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.0	28
4.5 - 5.4	-	2.0	1.8	-	-	-	-	-	-	-	-	-	-	-	-	3.8	109
5.5 - 6.4	-	0.6	2.9	*	-	-	-	-	-	-	-	-	-	-	-	3.5	99
6.5 - 7.4	-	0.4	3.2	1.6	-	-	-	-	-	-	-	-	-	-	-	5.1	146
7.5 - 8.4	-	1.7	3.5	3.4	0.1	-	-	-	-	-	-	-	-	-	-	8.7	248
8.5 - 9.4	-	3.3	5.7	1.4	0.2	-	-	-	-	-	-	-	-	-	-	10.5	298

TOTAL %	0.1	13.7	47.5	26.1	9.3	2.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	16	4060	14073	7740	2747	802	178	27	2	1	0	0	0	0	0		29646

(* < 0.05%)

STATION: 46063

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
4.5 - 5.4	-	*	0.3	*	-	-	-	-	-	-	-	-	-	-	-	0.3	24
5.5 - 6.4	-	*	0.6	0.2	-	-	-	-	-	-	-	-	-	-	-	0.8	58
6.5 - 7.4	-	-	1.3	0.6	*	-	-	-	-	-	-	-	-	-	-	1.9	135
7.5 - 8.4	-	0.3	1.1	1.2	0.4	*	-	-	-	-	-	-	-	-	-	3.0	219
8.5 - 9.4	-	0.2	0.7	0.5	0.2	*	-	-	-	-	-	-	-	-	-	1.7	122
9.5 - 10.4	-	0.3	1.2	0.5	0.3	0.1	-	-	-	-	-	-	-	-	-	2.4	172
10.5 - 11.4	-	1.1	3.4	1.7	0.7	0.4	0.1	-	-	-	-	-	-	-	-	7.3	529
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.3	9.2	7.6	2.2	0.6	0.2	*	-	-	-	-	-	-	-	22.1	1591
13.5 - 14.4	-	1.9	9.3	13.1	7.1	1.5	0.4	*	-	-	-	-	-	-	-	33.3	2398
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.7	5.8	6.3	4.3	2.1	0.8	0.2	*	-	-	-	-	-	-	20.2	1454
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	1.9	2.8	0.9	0.4	0.2	*	-	-	-	-	-	-	-	6.5	465
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	0.2	0.2	*	-	-	-	-	-	-	-	-	-	-	0.4	31
TOTAL %	0.0	7.1	35.0	34.7	16.1	5.1	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	515	2524	2499	1163	366	114	20	2	0	0	0	0	0	0		7203

(* < 0.05%)

STATION: 46063

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	16
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
3.5 - 4.4	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
4.5 - 5.4	-	0.1	0.4	-	-	-	-	-	-	-	-	-	-	-	-	0.5	36
5.5 - 6.4	-	0.1	1.8	0.3	-	-	-	-	-	-	-	-	-	-	-	2.2	158
6.5 - 7.4	-	0.3	3.9	1.9	*	-	-	-	-	-	-	-	-	-	-	6.1	446
7.5 - 8.4	-	0.4	4.3	6.5	1.2	*	-	-	-	-	-	-	-	-	-	12.4	902
8.5 - 9.4	-	1.1	2.8	2.3	1.7	0.2	-	-	-	-	-	-	-	-	-	8.1	589
9.5 - 10.4	-	0.9	4.2	2.0	1.6	0.3	*	-	-	-	-	-	-	-	-	9.1	667
10.5 - 11.4	-	0.9	5.3	3.8	1.8	0.7	*	-	-	-	-	-	-	-	-	12.6	920
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.4	4.6	4.6	1.7	1.0	0.2	-	-	-	-	-	-	-	-	13.4	981
13.5 - 14.4	-	2.2	5.6	5.1	2.6	0.8	0.1	-	-	-	-	-	-	-	-	16.4	1198
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.4	6.6	3.6	2.0	0.7	*	-	-	-	-	-	-	-	-	14.5	1056
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	1.7	1.2	0.6	0.3	*	-	-	-	-	-	-	-	-	4.0	290
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	*	0.1	0.1	0.2	*	-	-	-	-	-	-	-	-	-	0.4	30
TOTAL %	0.2	9.0	41.5	31.5	13.4	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	16	660	3026	2295	981	290	27	0	0	0	0	0	0	0	0		7295

(* < 0.05%)

STATION: 46063

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	1.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.2	76
4.5 - 5.4	-	1.9	2.8	-	-	-	-	-	-	-	-	-	-	-	-	4.7	311
5.5 - 6.4	-	0.3	5.5	0.1	-	-	-	-	-	-	-	-	-	-	-	5.9	386
6.5 - 7.4	-	0.6	7.1	1.0	-	-	-	-	-	-	-	-	-	-	-	8.7	569
7.5 - 8.4	-	2.9	13.5	5.5	*	-	-	-	-	-	-	-	-	-	-	21.9	1441
8.5 - 9.4	-	3.1	8.2	4.4	0.3	-	-	-	-	-	-	-	-	-	-	16.0	1052
9.5 - 10.4	-	2.8	7.3	1.9	0.1	-	-	-	-	-	-	-	-	-	-	12.1	798
10.5 - 11.4	-	1.2	3.8	1.0	-	-	-	-	-	-	-	-	-	-	-	5.9	389
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.2	1.0	0.3	*	-	-	-	-	-	-	-	-	-	-	2.6	169
13.5 - 14.4	-	3.2	2.8	0.5	0.3	-	-	-	-	-	-	-	-	-	-	6.8	445
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.9	9.7	0.2	-	-	-	-	-	-	-	-	-	-	-	12.8	843
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.4	1.1	-	-	-	-	-	-	-	-	-	-	-	-	1.5	99
TOTAL %	0.0	21.5	63.0	14.8	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	0	1411	4145	975	47	0	0	0	0	0	0	0	0	0	0		6578

(* < 0.05%)

STATION: 46063

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	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	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.5	44
4.5 - 5.4	-	0.9	1.4	-	-	-	-	-	-	-	-	-	-	-	-	2.3	201
5.5 - 6.4	-	0.3	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	2.4	205
6.5 - 7.4	-	0.2	2.0	0.9	-	-	-	-	-	-	-	-	-	-	-	3.1	265
7.5 - 8.4	-	0.7	2.5	2.9	0.1	-	-	-	-	-	-	-	-	-	-	6.2	530
8.5 - 9.4	-	1.6	3.0	1.1	0.5	-	-	-	-	-	-	-	-	-	-	6.2	532
9.5 - 10.4	-	2.7	5.5	1.5	0.3	0.1	-	-	-	-	-	-	-	-	-	10.0	856
10.5 - 11.4	-	1.9	7.7	2.1	0.6	0.1	-	-	-	-	-	-	-	-	-	12.5	1067
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.8	10.9	4.3	0.7	0.1	-	-	-	-	-	-	-	-	-	17.7	1518
13.5 - 14.4	-	3.3	8.7	6.2	2.1	0.4	*	-	-	-	-	-	-	-	-	20.8	1779
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.9	5.4	2.9	1.8	1.0	0.3	0.1	-	-	-	-	-	-	-	14.3	1224
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.4	1.8	1.1	0.4	0.1	0.1	*	-	*	-	-	-	-	-	4.0	340
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	9
TOTAL %	0.0	17.2	51.1	23.0	6.5	1.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1474	4378	1971	556	146	37	7	0	1	0	0	0	0	0		8570

(* < 0.05%)

STATION: 46063

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

Month: JAN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	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	-	-	-	-	-	-	-	-	-	-	-	-	0.2	4
4.5 - 5.4	-	0.5	3.8	0.5	-	-	-	-	-	-	-	-	-	-	-	4.9	108
5.5 - 6.4	-	1.4	6.7	4.0	0.3	-	-	-	-	-	-	-	-	-	-	12.4	274
6.5 - 7.4	-	1.6	7.3	7.1	0.7	-	-	-	-	-	-	-	-	-	-	16.7	370

(* < 0.05%)

STATION: 46063

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	1.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.7	38
4.5 - 5.4	-	9.1	20.3	0.2	-	-	-	-	-	-	-	-	-	-	-	29.6	669
5.5 - 6.4	-	7.7	31.6	3.5	-	-	-	-	-	-	-	-	-	-	-	42.8	967
6.5 - 7.4	-	3.3	12.5	3.0	0.3	-	-	-	-	-	-	-	-	-	-	19.1	430
7.5 - 8.4	-	0.8	4.9	*	-	-	-	-	-	-	-	-	-	-	-	5.8	130
8.5 - 9.4	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	1.0	23
TOTAL %	0.0	22.4	70.6	6.7	0.3	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	505	1594	152	6	0	0	0	0	0	0	0	0	0	0		2257

(* < 0.05%)

STATION: 46063

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.9	*	-	-	-	-	-	-	-	-	-	-	-	-	0.9	27
4.5 - 5.4	-	5.9	8.3	-	-	-	-	-	-	-	-	-	-	-	-	14.2	405
5.5 - 6.4	-	6.2	13.5	5.3	-	-	-	-	-	-	-	-	-	-	-	25.0	711
6.5 - 7.4	-	6.9	13.6	5.1	0.7	-	-	-	-	-	-	-	-	-	-	26.3	748
7.5 - 8.4	-	5.8	12.1	1.2	0.1	-	-	-	-	-	-	-	-	-	-	19.2	546
8.5 - 9.4	-	1.6	8.9	0.9	-	-	-	-	-	-	-	-	-	-	-	11.5	326
9.5 - 10.4	-	-	1.2	0.4	-	-	-	-	-	-	-	-	-	-	-	1.6	45
10.5 - 11.4	-	-	0.4	0.4	-	-	-	-	-	-	-	-	-	-	-	0.7	21
11.5 - 12.4	-	-	0.1	0.3	-	-	-	-	-	-	-	-	-	-	-	0.4	11
12.5 - 13.4	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	3
TOTAL %	0.0	27.3	58.2	13.6	0.8	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	776	1656	388	23	0	0	0	0	0	0	0	0	0	0		2843

(* < 0.05%)

STATION: 46063

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

Month: OCT

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.4	11
4.5 - 5.4	-	4.1	6.4	-	-	-	-	-	-	-	-	-	-	-	-	10.5	309
5.5 - 6.4	-	5.2	15.9	4.8	0.1	-	-	-	-	-	-	-	-	-	-	25.9	765
6.5 - 7.4	-	3.5	10.2	5.4	1.3	-	-	-	-	-	-	-	-	-	-	20.3	599
7.5 - 8.4	-	2.2	8.4	5.2	1.6	0.2	-	-	-	-	-	-	-	-	-	17.6	520
8.5 - 9.4	-	2.3	6.3	3.9	1.8	0.3	-	-	-	-	-	-	-	-	-	14.6	432
9.5 - 10.4	-	0.7	2.0	2.4	1.6	0.4	0.2	-	-	-	-	-	-	-	-	7.4	217
10.5 - 11.4	-	-	0.6	0.9	0.3	0.1	*	*	-	-	-	-	-	-	-	2.0	60
11.5 - 12.4	-	-	0.4	0.1	0.1	0.1	-	0.1	-	-	-	-	-	-	-	0.8	24
12.5 - 13.4	-	-	*	*	-	0.2	*	-	-	-	-	-	-	-	-	0.3	10
13.5 - 14.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
14.5 - 15.4	-	-	-	-	*	-	*	-	-	-	-	-	-	-	-	0.1	2
15.5 - 16.4	-	-	-	-	-	-	*	-	-	*	-	-	-	-	-	0.1	2
TOTAL %	0.0	18.2	50.3	22.9	6.8	1.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	537	1484	675	201	39	11	3	0	1	0	0	0	0	0		2951

(* < 0.05%)

STATION: 46063

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	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
4.5 - 5.4	-	0.6	2.9	-	-	-	-	-	-	-	-	-	-	-	-	3.6	99
5.5 - 6.4	-	1.0	12.2	3.8	*	-	-	-	-	-	-	-	-	-	-	17.1	476
6.5 - 7.4	-	2.0	9.9	8.5	1.5	0.1	-	-	-	-	-	-	-	-	-	22.0	611
7.5 - 8.4	-	1.2	7.7	9.0	2.7	0.5	-	-	-	-	-	-	-	-	-	21.1	587
8.5 - 9.4	-	0.6	5.2	5.7	3.4	0.3	-	-	-	-	-	-	-	-	-	15.2	421
9.5 - 10.4	-	0.1	3.6	3.5	2.2	0.9	*	-	-	-	-	-	-	-	-	10.3	286
10.5 - 11.4	-	0.1	1.7	1.2	0.9	0.5	0.2	-	-	-	-	-	-	-	-	4.6	128
11.5 - 12.4	-	-	1.3	0.6	0.9	0.7	0.1	-	-	-	-	-	-	-	-	3.6	99
12.5 - 13.4	-	-	0.2	0.4	0.3	0.5	0.3	-	-	-	-	-	-	-	-	1.7	47
13.5 - 14.4	-	-	-	0.1	*	0.1	0.3	0.1	-	-	-	-	-	-	-	0.6	17
14.5 - 15.4	-	-	-	-	*	*	-	0.1	-	-	-	-	-	-	-	0.1	4
TOTAL %	0.0	5.8	44.6	32.7	12.0	3.9	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	161	1238	908	332	107	26	4	0	0	0	0	0	0	0		2776

(* < 0.05%)

STATION: 46063

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	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	3
4.5 - 5.4	-	1.0	3.2	-	-	-	-	-	-	-	-	-	-	-	-	4.2	125
5.5 - 6.4	-	1.2	6.5	3.8	0.2	-	-	-	-	-	-	-	-	-	-	11.6	345
6.5 - 7.4	-	1.8	5.3	8.6	2.1	0.1	-	-	-	-	-	-	-	-	-	18.0	533
7.5 - 8.4	-	1.3	5.9	6.3	4.0	0.9	0.2	-	-	-	-	-	-	-	-	18.7	554
8.5 - 9.4	-	0.8	5.4	4.2	3.8	1.5	0.3	0.1	-	-	-	-	-	-	-	16.1	477
9.5 - 10.4	-	1.0	4.5	4.2	1.8	1.3	0.3	-	-	-	-	-	-	-	-	13.2	391
10.5 - 11.4	-	0.5	3.5	2.8	1.4	0.8	0.6	0.1	-	-	-	-	-	-	-	9.7	287
11.5 - 12.4	-	0.1	1.6	1.8	0.5	0.3	0.3	*	-	-	-	-	-	-	-	4.6	137
12.5 - 13.4	-	-	0.5	1.5	0.2	0.1	0.2	0.1	-	-	-	-	-	-	-	2.7	79
13.5 - 14.4	-	-	0.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	0.6	18
14.5 - 15.4	-	-	-	0.3	0.1	-	-	-	-	-	-	-	-	-	-	0.4	13
15.5 - 16.4	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.1	2
TOTAL %	0.0	7.9	36.5	34.0	14.4	5.0	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	235	1081	1008	426	149	56	9	0	0	0	0	0	0	0		2964

(* < 0.05%)

STATION: 46063

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	16
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	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.4	129
4.5 - 5.4	-	3.3	7.5	0.1	-	-	-	-	-	-	-	-	-	-	-	10.9	3244
5.5 - 6.4	-	3.4	14.6	7.0	0.2	-	-	-	-	-	-	-	-	-	-	25.2	7478
6.5 - 7.4	-	2.9	9.9	7.1	2.3	0.1	-	-	-	-	-	-	-	-	-	22.4	6631
7.5 - 8.4	-	2.1	7.6	4.5	2.1	0.6	0.1	-	-	-	-	-	-	-	-	17.1	5055
8.5 - 9.4	-	1.0	4.5	3.3	1.9	0.6	0.1	*	-	-	-	-	-	-	-	11.4	3386
9.5 - 10.4	-	0.4	1.9	2.2	1.4	0.5	0.1	*	-	-	-	-	-	-	-	6.5	1916
10.5 - 11.4	-	0.1	0.9	0.9	0.7	0.3	0.1	*	*	-	-	-	-	-	-	3.2	939
11.5 - 12.4	-	*	0.4	0.5	0.3	0.2	0.1	*	-	-	-	-	-	-	-	1.6	475
12.5 - 13.4	-	-	0.1	0.3	0.2	0.1	0.1	*	-	-	-	-	-	-	-	0.8	243
13.5 - 14.4	-	-	*	0.1	0.1	0.1	*	*	-	-	-	-	-	-	-	0.3	94
14.5 - 15.4	-	-	-	*	*	*	*	*	-	-	-	-	-	-	-	0.1	35
15.5 - 16.4	-	-	-	*	*	-	*	-	-	*	-	-	-	-	-	0.0	5
TOTAL %	0.1	13.7	47.5	26.1	9.3	2.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

TOTAL N 16 4060 14073 7740 2747 802 178 27 2 1 0 0 0 0 0 29646
 (* < 0.05%)

STATION: 46063

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	-	0.1	*	-	-	-	-	-	0.1	-	-	-	-	-	-	0.1	7
4.5 - 5.4	-	0.7	2.6	0.2	-	-	-	-	-	-	-	-	-	-	-	3.5	251
5.5 - 6.4	-	1.1	6.1	3.6	0.2	-	-	-	-	-	-	-	-	-	-	10.9	786
6.5 - 7.4	-	1.7	6.5	8.0	1.7	0.2	-	-	-	-	-	-	-	-	-	18.0	1297
7.5 - 8.4	-	1.4	6.2	7.4	3.7	0.7	0.1	-	-	-	-	-	-	-	-	19.4	1396
8.5 - 9.4	-	1.0	5.6	5.8	4.2	1.1	0.1	*	-	-	-	-	-	-	-	17.8	1281
9.5 - 10.4	-	0.7	4.0	4.6	3.0	1.3	0.4	*	-	-	-	-	-	-	-	14.0	1012
10.5 - 11.4	-	0.4	2.4	2.4	1.9	0.9	0.4	0.1	*	-	-	-	-	-	-	8.6	616
11.5 - 12.4	-	0.1	1.1	1.4	0.7	0.5	0.3	*	-	-	-	-	-	-	-	4.0	290
12.5 - 13.4	-	-	0.5	0.9	0.5	0.2	0.2	0.1	-	-	-	-	-	-	-	2.3	169
13.5 - 14.4	-	-	0.2	0.2	0.2	0.2	0.1	-	-	-	-	-	-	-	-	1.0	69
14.5 - 15.4	-	-	-	0.2	0.1	0.1	*	-	-	-	-	-	-	-	-	0.4	26
15.5 - 16.4	-	-	-	*	*	-	*	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.0	7.1	35.0	34.7	16.1	5.1	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	515	2524	2499	1163	366	114	20	2	0	0	0	0	0	0		7203

STATION: 46063

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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		0.2	16
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	10
4.5 - 5.4	-	1.6	5.5	0.2	-	-	-	-	-	-	-	-	-	-	-	7.2	526
5.5 - 6.4	-	2.0	15.7	11.4	0.7	-	-	-	-	-	-	-	-	-	-	29.8	2172
6.5 - 7.4	-	1.8	8.5	9.4	6.1	0.3	-	-	-	-	-	-	-	-	-	26.2	1909
7.5 - 8.4	-	2.1	7.4	4.5	3.1	1.6	0.1	-	-	-	-	-	-	-	-	18.8	1372
8.5 - 9.4	-	1.2	3.0	3.2	1.6	1.2	0.2	-	-	-	-	-	-	-	-	10.3	755
9.5 - 10.4	-	0.4	1.0	1.9	1.1	0.4	*	-	-	-	-	-	-	-	-	4.7	345
10.5 - 11.4	-	-	0.3	0.5	0.5	0.3	*	-	-	-	-	-	-	-	-	1.6	114
11.5 - 12.4	-	-	*	0.4	0.2	0.1	*	-	-	-	-	-	-	-	-	0.7	51
12.5 - 13.4	-	-	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.2	14
13.5 - 14.4	-	-	-	*	0.1	*	-	-	-	-	-	-	-	-	-	0.1	8
14.5 - 15.4	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.2	9.0	41.5	31.5	13.4	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	16	660	3026	2295	981	290	27	0	0	0	0	0	0	0	0		7295

STATION: 46063

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	73
4.5 - 5.4	-	7.8	17.3	0.1	-	-	-	-	-	-	-	-	-	-	-	25.1	1654
5.5 - 6.4	-	6.6	23.5	8.9	*	-	-	-	-	-	-	-	-	-	-	39.0	2568
6.5 - 7.4	-	3.9	13.4	4.5	0.4	-	-	-	-	-	-	-	-	-	-	22.3	1467
7.5 - 8.4	-	1.8	6.9	0.7	0.2	-	-	-	-	-	-	-	-	-	-	9.6	634
8.5 - 9.4	-	0.2	1.8	0.6	*	-	-	-	-	-	-	-	-	-	-	2.6	171
9.5 - 10.4	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.2	11
TOTAL %	0.0	21.5	63.0	14.8	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	0	1411	4145	975	47	0	0	0	0	0	0	0	0	0	0		6578

(* < 0.05%)

STATION: 46063

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	-	0.4	*	-	-	-	-	-	-	-	-	-	-	-	-	0.5	39
4.5 - 5.4	-	3.6	5.9	-	-	-	-	-	-	-	-	-	-	-	-	9.5	813
5.5 - 6.4	-	4.2	13.9	4.7	*	-	-	-	-	-	-	-	-	-	-	22.8	1952
6.5 - 7.4	-	4.1	11.2	6.3	1.2	*	-	-	-	-	-	-	-	-	-	22.8	1958
7.5 - 8.4	-	3.1	9.4	5.1	1.5	0.3	-	-	-	-	-	-	-	-	-	19.3	1653
8.5 - 9.4	-	1.5	6.8	3.5	1.7	0.2	-	-	-	-	-	-	-	-	-	13.8	1179
9.5 - 10.4	-	0.3	2.3	2.1	1.2	0.4	0.1	-	-	-	-	-	-	-	-	6.4	548
10.5 - 11.4	-	*	0.9	0.8	0.4	0.2	0.1	*	-	-	-	-	-	-	-	2.4	209
11.5 - 12.4	-	-	0.6	0.3	0.3	0.3	*	*	-	-	-	-	-	-	-	1.6	134
12.5 - 13.4	-	-	0.1	0.2	0.1	0.3	0.1	-	-	-	-	-	-	-	-	0.7	60
13.5 - 14.4	-	-	-	*	*	*	0.1	*	-	-	-	-	-	-	-	0.2	17
14.5 - 15.4	-	-	-	-	*	*	*	*	-	-	-	-	-	-	-	0.1	6
15.5 - 16.4	-	-	-	-	-	-	*	-	-	*	-	-	-	-	-	0.0	2
TOTAL %	0.0	17.2	51.1	23.0	6.5	1.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1474	4378	1971	556	146	37	7	0	1	0	0	0	0	0		8570

(* < 0.05%)

Summary complete: 09-Sep-2003 06:11:28