

STATION: 46051

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (3/1992 - 3/1996) (20670 RECORDS, 77.7% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
36	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
35	-	-	-	-	5	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999
34	-	-	-	-	15	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	999
33	-	-	-	-	13	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	999
32	-	-	-	-	20	984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	998
31	-	-	-	-	18	974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	997
30	-	-	-	-	8	965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	997
29	-	-	-	-	12	962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	996
28	-	-	-	-	7	956	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	996
27	-	-	-	-	4	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	995
26	-	-	-	-	10	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	995
25	-	-	-	-	2	946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	995
24	-	-	-	-	2	945	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	3	994
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	994
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999	-	-	-	-	4	994
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	995	-	-	-	-	9	994
20	-	-	1	#	-	-	-	-	-	-	-	1	#	-	-	-	-	-	10	987	-	-	-	-	12	994
19	2	#	-	-	-	-	-	-	-	-	7	999	-	-	2	#	14	978	-	-	-	-	-	-	25	993
18	6	999	3	999	1	944	-	-	4	#	8	#	48	995	14	#	11	997	98	964	60	#	-	-	253	992
17	16	996	12	998	2	943	-	-	19	998	30	996	75	966	49	986	18	982	189	873	195	960	16	#	621	980
16	57	989	33	991	23	942	6	#	121	990	120	982	119	920	68	935	148	956	240	695	476	830	120	993	1531	950
15	306	963	142	973	187	931	161	997	368	935	282	926	276	847	261	865	318	747	287	470	403	512	475	938	3466	876
14	627	823	489	895	697	841	457	922	472	769	485	795	502	677	324	595	176	298	162	201	277	242	795	722	5463	708
13	598	537	697	627	724	506	667	708	543	556	600	570	408	370	193	261	35	49	53	50	76	57	503	361	5097	444
12	300	265	315	245	238	157	604	396	512	311	498	290	179	120	59	62	-	-	-	-	10	7	139	133	2854	197
11	194	128	112	73	84	43	230	114	172	79	123	59	16	10	1	1	-	-	-	-	-	-	126	70	1058	59
10	64	39	17	12	5	2	13	6	4	2	3	1	-	-	-	-	-	-	-	-	-	-	18	12	124	8
9	15	10	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4	27	2
8	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	6	*
7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*
MEAN	13.2		13.1		14.3		12.8		13.3		13.3		14.0		14.3		15.0		15.7		15.3		13.7		13.8	
S.D.	1.4		1.2		4.2		1.1		1.4		1.4		1.5		1.2		0.9		1.5		1.2		1.3		2.0	
TOTAL	2192		1825		2078		2138		2215		2149		1631		969		708		1067		1497		2201		20670	
MAX	18.8		19.6		35.5		15.8		18.3		18.0		19.8		18.3		18.8		23.5		18.3		17.4		35.5	
DATE	1996011222		1996021222		1996030516		1992041911		1992051023		1992063023		1992071320		1992083022		1992092621		1992102309		1992111420		1993120220		1996030516	
MIN	7.1		8.8		9.5		10.1		10.0		10.4		10.6		11.3		12.6		12.6		11.6		8.3		7.1	
DATE	1993010316		1994021910		1994032422		1994042412		1994050417		1994063014		1994070216		1992080216		1992092315		1992101011		1995112011		1992121913		1993010316	

(* < 0.05% , # = 100.0%)

STATION: 46051

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (3/1992 - 10/1996) (26447 RECORDS, 99.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
20	-	-	-	-	-	-	-	-	-	-	-	2	#	6	#	22	#	-	-	-	-	-	-	-	-	30	#
19	-	-	-	-	-	-	-	-	-	-	-	21	999	13	997	76	985	42	#	-	-	-	-	-	152	999	
18	-	-	-	-	-	-	-	1	#	14	#	40	991	67	989	94	934	195	973	26	#	-	-	-	437	993	
17	1	#	-	-	4	#	-	-	10	999	88	995	86	974	97	951	113	872	243	845	431	983	17	#	1090	977	
16	8	999	-	-	129	999	33	#	110	996	122	964	147	939	196	896	424	796	604	687	840	694	509	992	3122	935	
15	493	996	246	#	489	951	283	989	413	959	272	922	323	880	261	784	434	512	309	293	180	131	690	760	4393	817	
14	1306	770	1028	875	1082	769	376	890	435	819	376	827	655	748	396	635	261	222	115	91	14	11	875	444	6919	651	
13	168	173	634	351	911	367	437	759	673	671	630	695	753	482	432	410	68	47	25	16	2	1	97	44	4830	390	
12	131	96	55	28	76	28	601	607	622	443	598	475	236	176	250	164	3	2	-	-	-	-	-	-	2572	207	
11	80	37	-	-	-	-	1011	398	599	232	679	266	189	80	37	21	-	-	-	-	-	-	-	-	2595	110	
10	-	-	-	-	-	-	134	47	83	28	83	29	7	3	-	-	-	-	-	-	-	-	-	-	307	12	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	13.9		13.7		13.8		12.3		12.8		12.8		13.7		14.1		15.6		16.0		16.1		14.8		13.9		
S.D.	0.9		0.7		0.9		1.5		1.5		1.7		1.6		1.7		1.5		1.2		0.7		0.8		1.7		
TOTAL	2187		1963		2691		2875		2946		2862		2459		1755		1495		1533		1493		2188		26447		
MAX	16.7		15.2		17.2		15.7		18.0		18.3		19.8		19.8		19.7		19.1		18.0		16.8		19.8		
DATE	1996011222		1996021423		1996030900		1996043000		1992051101		1992063023		1992071318		1992082522		1996092322		1992102700		1992111123		1992120200		1992082522		
MIN	10.6		11.7		12.1		10.0		9.8		10.1		10.2		11.2		12.2		12.9		13.4		12.6		9.8		
DATE	1996012716		1996020104		1996032616		1994042105		1994050313		1994060823		1996070705		1994080416		1996091615		1996101504		1995112711		1995122120		1994050313		

(* < 0.05% , # = 100.0%)

STATION: 46051

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (3/1992 - 3/1996) (20607 RECORDS, 77.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
23	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
22	-	-	-	-	10	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	999	
21	-	-	-	-	13	995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	999	
20	-	-	-	-	13	988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	999	
19	-	-	-	-	24	982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	998	
18	-	-	-	-	13	970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	997	
17	-	-	-	-	10	964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	996	
16	-	-	-	-	10	959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	996	
15	-	-	-	-	7	955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	995	
14	-	-	-	-	3	951	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	995	
13	-	-	-	-	10	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	995	
12	-	-	-	-	1	945	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	994	
11	-	-	-	-	2	944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	994	
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	994	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	994	
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	994	
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	994	
6	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	2	994	
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	1	994	
4	3	#	6	999	-	-	2	#	1	#	1	#	3	#	-	-	-	-	3	998	-	-	-	-	-	19	994	
3	4	999	16	996	8	943	16	999	8	999	18	999	14	998	2	#	4	#	8	995	2	#	-	-	-	100	993	
2	33	997	44	987	25	940	298	992	161	996	335	991	150	990	55	998	50	994	22	988	31	999	32	#	1236	988		
1	222	982	194	963	204	927	930	852	722	923	803	835	376	897	187	941	113	923	152	967	143	978	141	985	4187	928		
0	685	880	503	857	686	829	583	417	1004	597	577	461	497	665	236	748	247	763	290	824	526	882	525	921	6359	725		
-1	756	567	660	580	728	497	277	144	278	144	260	192	438	359	278	504	192	412	344	550	375	529	751	681	5337	417		
-2	327	221	294	218	272	145	31	15	33	19	131	71	123	89	169	217	68	139	212	225	275	278	504	337	2439	158		
-3	112	71	83	57	24	13	-	-	8	4	22	10	22	14	33	42	24	43	27	25	119	94	159	107	633	39		
-4	34	20	20	11	3	1	-	-	-	-	-	-	-	-	8	8	6	9	-	-	21	14	60	34	152	9		
-5	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	7	18	1		
-6	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	6	*		
-7	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	
MEAN	-0.7		-0.6		0.5		0.6		0.3		0.4		-0.0		-0.4		-0.3		-0.5		-0.8		-1.0		-0.2			
S.D.	1.2		1.2		4.4		0.9		0.8		1.1		1.1		1.2		1.1		1.1		1.2		1.2		1.8			
TOTAL	2186		1821		2067		2137		2215		2147		1623		968		704		1060		1492		2187		20607			
MAX	4.3		5.5		22.7		3.7		3.5		3.5		3.9		3.4		2.9		5.9		2.6		2.0		22.7			
DATE	1996010219	1996021222	1996030516	1992041911	1993050918	1993062517	1992070917	1992082418	1992092515	1992102309	1995112920	1995122518	1996030516															
MIN	-6.6		-4.4		-4.0		-1.9		-2.9		-3.1		-3.0		-4.1		-3.8		-3.2		-4.0		-5.6		-6.6			
DATE	1993010316	1994021910	1993032815	1992041017	1992050320	1993062712	1993070710	1992080922	1992092804	1992100816	1995112011	1992121815	1993010316															

(* < 0.05% , # = 100.0%)

STATION: 46051

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (3/1992 - 10/1996) (26476 RECORDS, 99.6% 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	F	CPF
1031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
1030	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	#	8	#		
1029	-	-	4	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	#	6	997	16	999		
1028	4	#	9	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	996	3	994	26	999		
1027	24	998	6	993	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	989	2	993	49	998		
1026	42	987	31	990	10	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	979	16	992	109	996		
1025	74	968	45	974	34	996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	973	57	985	215	992		
1024	95	934	70	951	93	983	10	#	-	-	-	-	-	-	-	-	-	-	-	-	22	969	129	959	419	984		
1023	132	891	64	915	111	948	12	997	-	-	-	-	-	-	-	-	-	-	-	-	29	955	179	900	527	968		
1022	124	831	81	883	124	907	42	992	-	-	-	-	-	-	-	-	-	-	3	#	82	935	156	818	612	948		
1021	160	774	135	842	181	861	57	978	6	#	6	#	-	-	-	-	-	-	8	998	118	880	212	747	883	925		
1020	248	701	146	773	251	794	133	958	30	998	24	998	3	#	6	#	-	-	23	993	157	801	179	651	1200	892		
1019	256	588	194	698	265	701	302	912	88	988	40	990	34	999	41	997	5	#	44	978	240	696	223	570	1732	847		
1018	249	471	193	600	313	603	492	807	188	958	56	976	124	985	63	973	19	997	55	949	191	536	270	468	2213	781		
1017	195	357	160	501	270	487	531	635	360	894	148	956	225	935	124	937	42	984	132	913	170	408	227	345	2584	697		
1016	159	268	160	420	304	386	457	451	618	772	333	904	384	843	232	867	107	956	230	827	172	294	189	242	3345	600		
1015	97	196	104	338	171	274	320	292	531	562	403	788	347	688	240	734	149	885	161	677	103	179	126	156	2752	474		
1014	45	152	109	285	174	210	248	180	425	382	519	647	318	547	243	597	217	785	223	572	85	110	54	99	2660	370		
1013	31	131	130	230	122	146	204	94	359	237	553	466	454	418	357	459	268	640	268	427	53	54	41	74	2840	269		
1012	21	117	87	164	75	101	44	23	211	115	299	273	231	233	178	255	243	462	163	252	23	18	29	56	1604	162		
1011	29	107	42	119	54	73	18	8	60	44	252	168	196	140	135	154	159	300	106	146	4	3	42	42	1097	101		
1010	33	94	36	98	35	53	4	1	30	23	137	80	122	60	87	77	169	193	95	77	-	-	34	23	782	60		
1009	34	79	23	79	39	40	-	-	17	13	67	32	23	11	32	27	90	81	14	15	-	-	13	8	352	30		
1008	30	63	15	68	39	25	-	-	15	7	22	9	3	1	5	9	24	21	9	6	-	-	4	2	166	17		

1007	46	50	20	60	25	11	-	-	7	2	4	1	-	-	11	6	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	11	
1006	25	29	27	50	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	6
1005	22	17	15	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	4
1004	8	7	12	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	3	
1003	7	4	10	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	2	
1002	1	*	6	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1	
1001	-	-	6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	
1000	-	-	7	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1	
999	-	-	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	
998	-	-	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*	
997	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*	
996	-	-	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	*	
MEAN	1018.1		1016.8		1017.4		1016.6		1015.0		1013.7		1014.1		1013.9		1012.6		1014.1		1018.2		1018.8		1015.8										
S.D.	4.7		5.2		3.8		2.2		2.1		2.3		2.3		2.3		2.3		2.5		3.0		3.6		3.7										
TOTAL	2191		1963		2696		2874		2945		2863		2464		1754		1499		1534		1495		2198		26476										
MAX	1028.2		1029.5		1026.9		1024.3		1020.7		1021.1		1019.8		1020.3		1018.8		1021.9		1028.9		1030.3		1030.3										
DATE	1996012318		1994021219		1993030118		1996041906		1994051919		1992061218		1994071919		1992082619		1992090321		1995102018		1992112619		1993122418		1993122418										
MIN	1002.3		996.0		1005.5		1010.1		1006.9		1007.2		1008.2		1006.5		1006.6		1007.8		1011.0		1007.8		996.0										
DATE	1993011813		1993020804		1994032420		1996042803		1992051001		1993061704		1993070104		1992082402		1992092512		1996100502		1992110901		1992120712		1993020804										

(* < 0.05% , # = 100.0%)

STATION: 46051

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (3/1992 - 10/1996) (26177 RECORDS, 98.4% HAVE ELEMENT)

		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
		F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
38	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
37	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
36	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
34	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	2	999
33	2	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	3	999
32	1	997	3	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999	
31	1	997	3	998	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	8	999	
30	2	996	2	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	998	7	999	
29	3	995	3	996	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	8	999		
28	8	994	4	994	2	999	4	#	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	1	997	21	999	
27	14	990	7	992	5	998	6	999	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	4	996	37	998	
26	20	984	21	989	11	996	1	997	1	#	9	#	2	#	-	-	-	-	-	9	997	-	-	8	995	82	996	
25	16	975	15	978	14	992	12	996	2	999	13	997	3	999	-	-	-	-	-	7	992	4	#	16	991	102	993	
24	20	968	21	970	14	987	27	992	23	999	27	992	15	998	2	#	-	-	-	7	987	6	997	20	984	182	989	
23	31	959	24	960	22	982	58	983	24	991	52	983	19	992	6	999	-	-	-	12	982	4	992	24	975	276	982	
22	36	944	18	947	32	974	84	962	34	983	91	965	24	984	19	995	5	#	-	14	975	19	988	43	964	419	972	
21	48	928	32	938	50	962	115	933	73	971	113	933	58	974	36	985	5	997	-	35	965	34	972	54	944	653	956	
20	46	906	48	922	63	943	161	893	98	947	154	894	61	951	67	964	19	993	-	31	943	34	944	66	920	848	931	
19	80	885	74	898	115	920	242	837	149	913	255	840	101	926	124	926	37	981	-	50	922	59	915	145	890	1431	899	
18	100	849	72	860	132	877	225	753	133	863	195	751	121	885	152	855	59	956	-	55	890	54	866	113	824	1411	844	
17	107	803	94	823	134	828	253	675	157	818	195	683	143	836	178	769	105	916	-	74	854	53	820	114	772	1607	790	
16	101	754	87	775	142	779	244	587	179	765	159	615	186	777	191	667	134	846	-	67	806	59	776	112	721	1661	729	
15	89	708	83	731	181	726	234	502	180	704	165	559	190	702	147	559	123	757	-	94	762	52	726	129	670	1667	665	
14	87	668	119	688	175	659	172	421	184	643	153	502	176	624	140	475	154	675	-	103	701	68	682	118	611	1649	601	
13	112	628	114	628	167	594	159	361	163	580	119	448	198	553	110	395	117	572	-	100	634	74	625	79	558	1512	538	
12	136	577	137	570	222	532	171	306	204	525	133	407	198	472	109	333	134	494	-	106	568	71	563	122	522	1743	481	
11	129	515	118	500	168	450	115	246	153	456	133	360	176	392	100	271	108	404	-	82	499	53	503	88	466	1423	414	
10	120	456	109	440	144	388	93	206	159	404	128	314	169	320	79	214	80	332	-	78	446	62	459	99	426	1320	360	
9	120	401	120	384	154	334	89	174	156	350	104	269	119	251	54	169	84	279	-	77	395	62	407	109	381	1248	309	
8	115	347	97	323	131	277	60	143	166	297	106	233	102	203	53	138	85	222	-	74	345	57	355	101	332	1147	262	
7	101	294	103	273	128	229	44	122	150	241	118	196	88	161	50	108	70	166	-	88	297	46	307	103	286	1089	218	
6	80	248	100	221	112	181	51	107	153	190	111	155	85	125	29	79	62	119	-	77	239	43	268	88	239	991	176	
5	131	212	118	170	121	140	74	89	137	138	112	116	90	91	32	63	68	77	-	104	189	78	232	129	199	1194	138	
4	104	152	71	110	84	95	58	63	92	91	100	77	54	54	25	44	21	32	-	57	121	53	166	102	141	821	93	
3	92	104	59	73	71	64	48	43	83	60	57	42	39	32	27	30	18	18	-	45	84	54	122	92	94	685	61	
2	80	62	47	43	57	37	46	26	48	32	44	22	21	16	14	15	3	6	-	39	55	40	76	64	53	503	35	
1	37	26	25	19	37	16	22	10	31	16	16	7	12	8	10	7	5	4	-	30	29	35	43	31	24	291	16	
0	20	9	13	7	7	3	8	3	15	5	4	1	7	3	2	1	1	1	-	15	10	16	13	21	10	129	5	
MEAN	11.6		11.7		12.0		14.5		12.0		13.6																	

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: (3/1992 - 10/1996) (26096 RECORDS, 98.1% HAVE ELEMENT)

Table with columns for months (JAN-DEC) and ANN, and sub-columns for Frequency (F) and Cumulative Percent Frequency (CPF). Rows list values for each month and annual totals, along with statistical summary (MEAN, S.D., TOTAL, MAX) and date ranges (DATE, MIN).

STATION: 46051

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (11/1993 - 8/1996) (5930 RECORDS, 18.2% HAVE ELEMENT)

Table with columns for months (JAN-DEC) and ANN, and sub-columns for Frequency (F) and Cumulative Percent Frequency (CPF). Rows list values for each month and annual totals, along with statistical summary (MAX) and date ranges (DATE, MIN).

41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
38	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	
37	3	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	
36	3	993	1	#	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	8	999		
35	6	989	1	999	1	#	2	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	998		
34	4	981	1	997	2	999	4	995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	996	12	996	
33	9	976	1	996	6	996	6	989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	994	28	994			
32	6	963	3	994	4	988	7	981	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	1	985	22	989		
31	8	955	8	990	5	982	16	971	4	#	-	4	999	-	-	-	-	-	-	-	-	-	-	-	5	984	50	985			
30	12	944	8	979	8	976	5	950	9	995	4	#	5	994	-	-	-	-	-	-	-	-	1	#	9	976	61	977			
29	7	928	12	968	5	965	14	943	8	983	8	994	4	988	2	#	-	-	-	-	-	-	-	2	875	8	963	70	967		
28	7	918	10	951	6	958	30	924	18	972	17	983	15	983	1	957	-	-	-	-	-	-	-	2	625	12	951	118	955		
27	10	909	10	937	7	950	40	883	26	948	30	959	18	964	2	935	-	-	-	-	-	-	-	1	375	14	934	158	935		
26	18	895	22	923	14	941	37	829	40	914	48	917	37	942	4	891	-	-	-	-	-	-	-	1	250	24	913	245	908		
25	15	871	20	892	25	922	32	779	48	860	37	850	23	896	2	804	-	-	-	-	-	-	-	1	125	18	878	221	867		
24	21	850	27	863	29	888	45	735	41	797	39	799	38	868	6	761	-	-	-	-	-	-	-	-	-	28	851	274	830		
23	42	822	25	825	24	849	51	674	39	742	48	744	21	821	3	630	-	-	-	-	-	-	-	-	-	18	810	271	784		
22	45	765	27	790	22	816	37	605	36	690	40	677	52	795	5	565	-	-	-	-	-	-	-	-	-	19	784	283	738		
21	25	703	26	752	24	787	29	554	38	642	42	621	41	730	2	457	-	-	-	-	-	-	-	-	-	15	756	242	690		
20	25	669	33	715	26	754	37	515	39	592	51	562	34	679	1	413	-	-	-	-	-	-	-	-	-	20	733	266	649		
19	22	635	32	669	42	719	40	465	61	540	37	491	40	637	3	391	-	-	-	-	-	-	-	-	-	30	704	307	605		
18	27	605	27	624	27	663	29	410	34	459	41	439	37	588	5	326	-	-	-	-	-	-	-	-	-	23	660	250	553		
17	49	569	38	586	36	626	31	371	37	414	25	382	51	542	3	217	-	-	-	-	-	-	-	-	-	25	626	295	511		
16	41	502	23	532	25	578	28	329	43	364	16	347	39	479	3	152	-	-	-	-	-	-	-	-	-	25	589	243	461		
15	29	446	22	500	30	544	21	291	28	307	22	324	42	431	3	87	-	-	-	-	-	-	-	-	-	31	552	228	420		
14	35	407	19	469	38	503	20	262	17	270	21	294	33	379	-	-	-	-	-	-	-	-	-	-	-	31	507	214	381		
13	22	359	37	442	39	452	13	235	18	247	23	264	39	338	-	-	-	-	-	-	-	-	-	-	-	32	461	223	345		
12	45	329	36	390	49	399	23	217	22	223	24	232	45	290	1	22	-	-	-	-	-	-	-	-	-	38	414	283	308		
11	24	268	35	339	42	333	15	186	26	194	22	199	30	234	-	-	-	-	-	-	-	-	-	-	-	40	358	234	260		
10	31	235	36	290	35	277	11	166	17	160	22	168	29	197	-	-	-	-	-	-	-	-	-	-	-	41	299	222	221		
9	21	193	36	239	32	229	19	151	19	137	27	137	32	161	-	-	-	-	-	-	-	-	-	-	-	40	239	226	183		
8	28	165	35	189	22	186	17	125	20	112	22	99	34	121	-	-	-	-	-	-	-	-	-	-	-	28	180	206	145		
7	25	127	26	139	25	157	18	102	23	85	20	69	22	79	-	-	-	-	-	-	-	-	-	-	-	36	138	195	110		
6	16	93	30	103	33	123	21	77	12	55	14	41	23	52	-	-	-	-	-	-	-	-	-	-	-	16	85	165	77		
5	23	71	23	61	34	78	20	49	17	39	12	21	16	24	-	-	-	-	-	-	-	-	-	-	-	26	62	171	50		
4	20	39	12	28	15	32	8	22	6	16	2	4	3	4	-	-	-	-	-	-	-	-	-	-	-	11	24	77	21		
3	8	12	6	11	6	12	6	11	6	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7	37	8		
2	1	1	2	3	2	4	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	8	2		
1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	
MEAN	16.8	15.8	15.3	19.2	18.2	18.3	16.7	21.3	-	-	-	-	-	-	27.8	15.6	17.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
S.D.	7.7	7.3	7.1	7.5	6.6	6.5	6.4	4.2	-	-	-	-	-	-	1.9	7.4	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	735	710	741	736	752	715	808	46	-	-	-	-	-	-	8	679	5930	-	-	-	-	-	-	-	-	-	-	-	-	-	
MAX	38.3	35.8	34.8	36.0	31.3	29.9	31.9	28.8	-	-	-	-	-	-	30.3	43.4	43.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
DATE	1996013109	1996020322	1996032307	1996042518	1996052319	1996061008	1996072412	1996080201	-	-	-	-	-	-	-	1993113016	1993121117	1993121117	-	-	-	-	-	-	-	-	-	-	-	-	-
MIN	1.9	1.6	1.4	1.9	2.5	2.9	3.5	12.1	-	-	-	-	-	-	-	24.7	2.3	1.4	-	-	-	-	-	-	-	-	-	-	-	-	
DATE	1996011220	1996020302	1996030821	1996040107	1996052602	1996062617	1996070117	1996080215	-	-	-	-	-	-	-	1993113022	1993122515	1996030821	-	-	-	-	-	-	-	-	-	-	-	-	-

(* < 0.05% , # = 100.0%)

STATION: 46051

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (3/1992 - 10/1996) (19902 RECORDS, 74.8% 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
8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	3	#	
7.0	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	998	4	999	
6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	996	7	999	
6.0	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	991	11	999	
5.5	-	-	1	#	3	998	3	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	985	11	999	
5.0	9	#	3	999	4	997	9	999	2	#	-	-	-	-	-	-	-	-	-	1	#	-	-	23	982	51	998	
4.5	25	994	10	997	16	995	26	994	12	999	-	-	-	-	-	-	-	-	4	999	3	#	34	966	130	996		
4.0	46	977	60	989	54	987	134	982	30	994	-	-	-	-	-	-	-	-	29	997	13	997	111	942	477	989		
3.5	70	945	187	943	130	958	313	920	105	980	40	#	-	-	-	-	-	4	#	64	977	48	986	225	864	1186	965	
3.0	144	896	271	799	297	891	403	773	179	932	170	981	6	#	2	#	46	997	115	934	163	944	230	707	2026	906		
2.5	287	797	312	591	393	737	344	585	291	851	437	901	168	997	124	999	174	966	237	856	207	800	214	546	3188	804		
2.0	437	599	304	351	518	533	421	424	531	718	579	695	503	899	465	917</												

DATE 1996012723 1996020311 1996030812 1996040101 1993051815 1993060509 1996071521 1992083101 1992090209 1992100901 1995112117 1995121102 1996071521
(* < 0.05% , # = 100.0%)

STATION: 46051

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (3/1992 - 10/1996) (19902 RECORDS, 74.8% 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	
14	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
13	-	-	9	999	5	#	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	6	#	23	999		
12	-	-	31	992	14	997	15	#	-	-	-	-	-	-	-	-	-	9	#	6	997	36	996	111	999		
11	9	#	72	968	63	990	36	993	3	#	-	-	-	-	-	-	-	35	994	17	992	83	971	318	993		
10	65	994	150	913	204	957	54	976	21	999	2	#	-	-	-	-	3	#	108	970	52	977	165	913	824	977	
9	236	949	341	798	370	852	160	951	99	989	45	999	88	#	-	-	25	998	186	897	127	931	303	797	1980	936	
8	422	786	375	535	408	660	420	876	439	944	299	978	222	949	70	#	246	981	298	771	305	820	362	585	3866	836	
7	433	494	197	247	455	448	816	680	753	744	844	837	485	821	282	954	471	814	341	570	391	551	233	332	5701	642	
6	216	195	100	95	329	212	500	298	649	402	801	438	690	541	814	769	484	494	371	339	204	207	168	169	5326	356	
5	66	46	23	18	79	41	135	65	220	106	128	60	245	142	358	235	241	165	130	88	31	27	74	52	1730	88	
4	1	1	1	1	-	-	3	1	12	6	-	-	-	-	-	-	2	1	-	-	-	-	-	-	19	1	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
0	-	-	-	-	-	-	-	2	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	3	*
MEAN		7.5		8.4		7.8		7.1		6.7		6.6		6.5		6.0		6.5		7.3		7.5		8.1		7.1	
S.D.		1.2		1.5		1.5		1.2		1.1		0.8		1.0		0.7		1.0		1.5		1.3		1.6		1.4	
TOTAL		1448		1300		1927		2139		2198		2119		1731		1524		1472		1478		1136		1430		19902	
MAX		11.2		13.6		13.2		12.4		11.0		9.5		9.4		8.4		9.7		12.0		12.8		13.1		13.6	
DATE	1996010918	1996021314	1993032412	1996041716	1992050716	1992062516	1996072615	1996081101	1992093021	1992102513	1992112710	1995122712	1996021314														
MIN	4.4	4.3	4.5	4.3	0.0	4.5	0.0	4.5	4.4	4.5	4.4	4.5	0.0														
DATE	1996013100	1996020314	1993031502	1996040120	1993051815	1992062712	1996071521	1992083123	1992090206	1992100911	1992112300	1995121104	1996071521														

(* < 0.05% , # = 100.0%)

STATION: 46051

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (3/1992 - 10/1996) (19902 RECORDS, 74.8% 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
25	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
20	13	#	16	#	72	999	16	#	20	#	2	#	49	#	-	-	13	#	21	#	1	#	41	#	264	999
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	987
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	987
17	72	991	166	988	246	962	156	993	136	991	63	999	162	972	89	#	47	991	107	986	99	999	129	971	1472	987
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	913
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	913
14	305	941	431	860	614	834	517	920	242	929	146	969	232	878	168	942	264	959	337	913	216	912	475	881	3947	913
13	398	731	342	528	466	516	504	678	286	819	81	900	83	744	16	831	113	780	346	685	295	722	413	549	3343	714
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	546
11	234	456	184	265	248	274	321	442	263	689	78	862	110	696	74	821	183	703	205	451	181	462	122	260	2203	546
10	170	294	53	124	110	145	189	292	374	569	433	825	304	633	126	772	261	579	114	313	126	303	98	175	2358	436
9	85	177	40	83	29	88	131	204	277	399	561	621	341	457	265	690	157	401	87	235	90	192	34	106	2097	317
8	109	118	28	52	80	73	141	143	290	273	527	356	266	260	510	516	238	295	83	177	38	113	20	83	2330	212
7	29	43	10	31	31	32	86	77	208	141	157	108	111	106	170	181	62	133	79	120	43	79	23	69	1009	95
6	24	23	22	23	18	16	63	36	63	46	64	34	65	42	62	70	96	91	80	67	46	41	57	52	660	44
5	6	6	6	6	10	6	12	7	30	18	7	3	7	5	43	29	37	26	19	13	1	1	17	13	195	11
4	3	2	2	2	2	1	3	1	7	4	-	-	-	-	1	1	1	1	-	-	-	-	1	1	20	1
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
0	-	-	-	-	-	-	-	2	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	3	*
MEAN		11.8		13.0		13.1		11.9		10.6		9.6		10.8		9.5		10.5		11.7		11.8		12.8		11.4
S.D.		2.6		2.5		2.8		2.8		3.0		2.3		3.4		2.9		3.0		3.1		2.7		2.9		3.1
TOTAL		1448		1300		1927		2139		2198		2119		1731		1524		1472		1478		1136		1430		19902
MAX		20.0		20.0		25.0		20.0		20.0		20.0		20.0		16.7		20.0		20.0		20.0		20.0		25.0
DATE	1996013006	1996021605	1993033008	1993041815	1996051614	1996063021	1996072509	1996082902	1996090901	1996100721	1995111221	1995123123	1993033008													
MIN	4.2	3.6	4.3	3.9	0.0	5.0	0.0	4.3	4.3	5.0	4.3	5.0	0.0													
DATE	1996013100	1996020314	1993031501	1996040119	1993051815	1996062611	1996071521	1992081415	1992091117	1996101322	1995111005	1992122901	1996071521													

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: 46051

(A) TOTAL STD MET RECORDS READ = 26595
 (B) TOTAL CWIND RECORDS READ = 32510
 (C) TOTAL RECORDS USED IN STATS = 59105

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	20670	26447	20607	0	26476	26177	26096	5930	19902	19902	19902	0
(E) ELEMENT OUT OF RANGE	5925	148	5988	26595	119	418	499	26580	6693	6693	6693	26595

STATION: 46051 -- POR (3/1992 - 3/1996)

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
1992	MEAN	-	-	14.1	13.9	14.3	14.0	14.8	14.6	15.0	16.0	15.9	13.4	14.6
	MAXIMUM	-	-	17.5	15.8	18.3	18.0	19.8	18.3	18.8	23.5	18.3	16.7	23.5
	DAY-HR	-	-	27-00	19-11	10-23	30-23	13-20	30-22	26-21	23-09	14-20	01-19	OCT
	MINIMUM	-	-	11.7	11.4	11.3	11.0	12.5	11.3	12.6	12.6	11.8	8.3	8.3
	DAY-HR	-	-	23-00	27-15	23-16	17-17	31-17	02-16	23-15	10-11	23-15	19-13	DEC
	# OBS	-	-	507	719	740	718	740	741	708	727	475	731	6806
1993	MEAN	13.3	13.4	13.3	12.2	13.4	13.7	14.0	-	-	-	15.3	14.0	13.5
	MAXIMUM	17.5	16.1	16.0	14.1	17.3	17.3	16.7	-	-	-	17.6	17.4	17.6
	DAY-HR	25-21	04-23	14-10	18-05	10-00	25-10	07-00	-	-	-	28-09	02-20	NOV
	MINIMUM	7.1	10.6	9.7	10.2	10.6	11.0	11.3	-	-	-	12.3	10.5	7.1
	DAY-HR	03-16	27-15	28-15	30-17	12-13	13-14	02-11	-	-	-	25-08	16-16	JAN
	# OBS	727	632	715	702	739	716	165	-	-	-	314	732	5442
1994	MEAN	13.5	12.8	12.9	12.4	12.3	12.2	13.2	13.1	-	-	-	-	12.8
	MAXIMUM	16.8	15.3	16.6	14.9	16.4	15.4	15.8	15.2	-	-	-	-	16.8
	DAY-HR	18-23	01-01	13-17	12-04	31-18	01-00	24-02	11-00	-	-	-	-	JAN
	MINIMUM	10.1	8.8	9.5	10.1	10.0	10.4	10.6	11.5	-	-	-	-	8.8
	DAY-HR	25-03	19-10	24-22	24-12	04-17	30-14	02-16	05-13	-	-	-	-	FEB
	# OBS	731	645	739	717	736	715	726	228	-	-	-	-	5237
1995	MEAN	-	-	-	-	-	-	-	-	-	15.1	15.0	13.7	14.5
	MAXIMUM	-	-	-	-	-	-	-	-	-	19.7	18.0	16.4	19.7
	DAY-HR	-	-	-	-	-	-	-	-	-	23-22	29-22	05-23	OCT
	MINIMUM	-	-	-	-	-	-	-	-	-	12.8	11.6	10.4	10.4
	DAY-HR	-	-	-	-	-	-	-	-	-	22-13	20-11	23-02	DEC
	# OBS	-	-	-	-	-	-	-	-	-	340	708	738	1786
1996	MEAN	12.8	13.3	30.7	-	-	-	-	-	-	-	-	-	14.5
	MAXIMUM	18.8	19.6	35.5	-	-	-	-	-	-	-	-	-	35.5
	DAY-HR	12-22	12-22	05-16	-	-	-	-	-	-	-	-	-	MAR
	MINIMUM	8.2	9.4	23.6	-	-	-	-	-	-	-	-	-	8.2
	DAY-HR	22-11	23-14	01-01	-	-	-	-	-	-	-	-	-	JAN
	# OBS	734	548	117	-	-	-	-	-	-	-	-	-	1399
POR	MEAN	13.2	13.1	14.3	12.8	13.3	13.3	14.0	14.3	15.0	15.7	15.3	13.7	13.8
	MAXIMUM	18.8	19.6	35.5	15.8	18.3	18.0	19.8	18.3	18.8	23.5	18.3	17.4	35.5
	YEAR	1996	1996	1996	1992	1992	1992	1992	1992	1992	1992	1992	1993	MAR/1996
	MINIMUM	7.1	8.8	9.5	10.1	10.0	10.4	10.6	11.3	12.6	12.6	11.6	8.3	7.1
	YEAR	1993	1994	1994	1994	1994	1994	1994	1992	1992	1992	1995	1992	JAN/1993
	# OBS	2192	1825	2078	2138	2215	2149	1631	969	708	1067	1497	2201	20670

STATION: 46051 -- POR (3/1992 - 10/1996)

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
1992	MEAN	-	-	15.1	13.9	14.2	13.6	14.3	15.3	15.3	16.5	16.4	14.9	14.9
	MAXIMUM	-	-	16.7	15.7	18.0	18.3	19.8	19.8	18.4	19.1	18.0	16.8	19.8
	DAY-HR	-	-	27-00	14-04	11-01	30-23	13-18	25-22	27-23	27-00	11-23	02-00	AUG
	MINIMUM	-	-	14.1	11.3	11.8	10.9	11.7	12.6	12.8	13.7	15.2	13.6	10.9
	DAY-HR	-	-	19-09	23-17	23-06	19-15	24-15	02-09	05-14	05-15	23-21	20-14	JUN
	# OBS	-	-	507	719	740	718	740	741	705	724	473	730	6797
1993	MEAN	14.1	14.3	13.8	11.3	13.1	13.4	15.2	-	-	-	15.5	14.8	13.7
	MAXIMUM	15.7	14.9	14.9	14.1	16.4	18.0	19.0	-	-	-	16.2	15.9	19.0
	DAY-HR	25-23	21-23	27-20	01-19	31-22	26-23	06-00	-	-	-	18-01	03-22	JUL

	MINIMUM	13.4	13.7	12.1	10.2	10.6	10.2	12.4	-	-	-	14.8	14.0	10.2
	DAY-HR	16-00	28-18	22-12	28-16	09-08	13-13	03-16	-	-	-	25-17	27-05	JUN
	# OBS	726	633	706	702	740	716	165	-	-	-	312	721	5421
1994	MEAN	14.4	13.4	13.1	11.4	11.8	11.6	13.5	12.7	-	-	-	-	12.8
	MAXIMUM	15.4	14.4	14.5	14.0	15.6	15.2	15.7	18.4	-	-	-	-	18.4
	DAY-HR	19-01	12-23	21-00	11-23	31-19	10-12	17-21	11-00	-	-	-	-	AUG
	MINIMUM	13.3	12.8	12.3	10.0	9.8	10.1	10.7	11.2	-	-	-	-	9.8
	DAY-HR	31-15	28-16	31-20	21-05	03-13	08-23	29-11	04-16	-	-	-	-	MAY
	# OBS	727	642	737	718	736	713	721	228	-	-	-	-	5222
1995	MEAN	-	-	-	-	-	-	-	-	-	15.7	16.1	14.6	15.4
	MAXIMUM	-	-	-	-	-	-	-	-	-	17.8	17.4	16.4	17.8
	DAY-HR	-	-	-	-	-	-	-	-	-	23-22	13-21	02-00	OCT
	MINIMUM	-	-	-	-	-	-	-	-	-	13.7	13.4	12.6	12.6
	DAY-HR	-	-	-	-	-	-	-	-	-	27-11	27-11	21-20	DEC
	# OBS	-	-	-	-	-	-	-	-	-	340	708	737	1785
1996	MEAN	13.2	13.4	13.7	12.4	12.2	12.4	12.9	13.3	15.9	15.5	-	-	13.4
	MAXIMUM	16.7	15.2	17.2	15.7	15.7	15.6	15.9	16.5	19.7	17.5	-	-	19.7
	DAY-HR	12-22	14-23	09-00	30-00	18-01	02-23	29-00	13-01	23-22	09-05	-	-	SEP
	MINIMUM	10.6	11.7	12.1	10.2	10.2	10.5	10.2	11.3	12.2	12.9	-	-	10.2
	DAY-HR	27-16	01-04	26-16	28-05	30-09	01-17	07-05	28-15	16-15	15-04	-	-	JUL
	# OBS	734	688	741	736	730	715	833	786	790	469	-	-	7222
POR	MEAN	13.9	13.7	13.8	12.3	12.8	12.8	13.7	14.1	15.6	16.0	16.1	14.8	13.9
	MAXIMUM	16.7	15.2	17.2	15.7	18.0	18.3	19.8	19.8	19.7	19.1	18.0	16.8	19.8
	YEAR	1996	1996	1996	1996	1992	1992	1992	1992	1996	1992	1992	1992	AUG/1992
	MINIMUM	10.6	11.7	12.1	10.0	9.8	10.1	10.2	11.2	12.2	12.9	13.4	12.6	9.8
	YEAR	1996	1996	1996	1994	1994	1994	1996	1994	1996	1996	1995	1995	MAY/1994
	# OBS	2187	1963	2691	2875	2946	2862	2459	1755	1495	1533	1493	2188	26447

STATION: 46051 -- POR (3/1992 - 10/1996)

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
1992	MEAN	-	-	1015.4	1015.8	1014.3	1013.5	1014.5	1014.7	1013.2	1014.7	1018.5	1018.0	1015.1
	MAXIMUM	-	-	1021.9	1020.3	1020.4	1021.1	1019.4	1020.3	1018.8	1020.6	1028.9	1025.2	1028.9
	DAY-HR	-	-	10-17	06-18	07-19	12-18	25-19	26-19	03-21	31-19	26-19	09-08	NOV
	MINIMUM	-	-	1006.5	1011.2	1006.9	1008.0	1010.1	1006.5	1006.6	1010.1	1011.0	1007.8	1006.5
	DAY-HR	-	-	21-02	02-02	10-01	06-12	03-10	24-02	25-12	30-12	09-01	07-12	AUG
	# OBS	-	-	507	719	740	718	740	741	709	725	475	731	6805
1993	MEAN	1015.3	1015.6	1018.9	1016.9	1015.2	1013.1	1011.1	-	-	-	1019.3	1020.0	1016.4
	MAXIMUM	1028.1	1026.1	1026.9	1022.1	1020.6	1020.5	1013.4	-	-	-	1023.6	1030.3	1030.3
	DAY-HR	20-18	01-18	01-18	17-19	29-21	07-07	06-19	-	-	-	19-18	24-18	DEC
	MINIMUM	1002.3	996.0	1007.6	1012.5	1010.2	1007.2	1008.2	-	-	-	1014.1	1008.6	996.0
	DAY-HR	18-13	08-04	26-03	13-11	09-12	17-04	01-04	-	-	-	21-22	11-17	FEB
	# OBS	727	633	710	701	739	716	165	-	-	-	312	729	5432
1994	MEAN	1020.5	1018.0	1017.7	1017.2	1015.7	1014.6	1015.4	1014.1	-	-	-	-	1016.9
	MAXIMUM	1026.9	1029.5	1024.8	1022.8	1020.7	1018.9	1019.8	1018.8	-	-	-	-	1029.5
	DAY-HR	07-18	12-19	13-19	29-19	19-19	20-20	19-19	01-18	-	-	-	-	FEB
	MINIMUM	1014.3	1000.3	1005.5	1012.2	1010.9	1010.1	1011.0	1010.5	-	-	-	-	1000.3
	DAY-HR	25-02	08-00	24-20	26-13	30-13	14-10	08-12	08-02	-	-	-	-	FEB
	# OBS	730	642	738	718	736	714	726	227	-	-	-	-	5231
1995	MEAN	-	-	-	-	-	-	-	-	-	1014.2	1017.4	1018.6	1017.3
	MAXIMUM	-	-	-	-	-	-	-	-	-	1021.9	1021.9	1025.4	1025.4
	DAY-HR	-	-	-	-	-	-	-	-	-	20-18	17-18	14-19	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	1008.6	1011.3	1012.4	1008.6
	DAY-HR	-	-	-	-	-	-	-	-	-	29-00	01-13	12-22	OCT
	# OBS	-	-	-	-	-	-	-	-	-	340	708	738	1786
1996	MEAN	1018.6	1016.7	1016.9	1016.7	1014.7	1013.4	1013.1	1013.0	1012.2	1013.2	-	-	1014.8
	MAXIMUM	1028.2	1026.6	1025.1	1024.3	1018.9	1017.8	1018.9	1017.9	1017.2	1018.2	-	-	1028.2
	DAY-HR	23-18	05-20	11-18	19-06	05-19	28-18	22-19	06-18	28-18	10-19	-	-	JAN
	MINIMUM	1003.3	1003.3	1006.9	1010.1	1008.6	1008.5	1008.7	1007.9	1007.4	1007.8	-	-	1003.3
	DAY-HR	31-23	01-00	13-13	28-03	24-12	19-08	02-12	31-04	06-04	05-02	-	-	FEB
	# OBS	734	688	741	736	730	715	833	786	790	469	-	-	7222
POR	MEAN	1018.1	1016.8	1017.4	1016.6	1015.0	1013.7	1014.1	1013.9	1012.6	1014.1	1018.2	1018.8	1015.8
	MAXIMUM	1028.2	1029.5	1026.9	1024.3	1020.7	1021.1	1019.8	1020.3	1018.8	1021.9	1028.9	1030.3	1030.3
	YEAR	1996	1994	1993	1996	1994	1992	1994	1992	1992	1995	1992	1993	DEC/1993
	MINIMUM	1002.3	996.0	1005.5	1010.1	1006.9	1007.2	1008.2	1006.5	1006.6	1007.8	1011.0	1007.8	996.0
	YEAR	1993	1993	1994	1996	1992	1993	1993	1992	1992	1996	1992	1992	FEB/1993
	# OBS	2191	1963	2696	2874	2945	2863	2464	1754	1499	1534	1495	2198	26476

STATION: 46051 -- POR (3/1992 - 10/1996)

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
1992	MEAN	-	-	11.7	14.3	10.1	10.4	12.1	13.5	12.7	9.9	10.3	9.9	11.5
	MAXIMUM	-	-	27.0	24.9	23.9	23.1	21.6	22.0	21.0	19.6	22.6	25.1	27.0
	DAY-HR	-	-	20-12	18-13	01-09	13-23	20-12	01-04	20-06	23-17	02-22	12-06	MAR
	MINIMUM	-	-	0.4	0.0	0.2	0.2	0.0	0.4	1.2	0.0	0.0	0.0	0.0
	DAY-HR	-	-	12-23	12-08	10-15	22-06	11-11	25-03	26-06	21-10	24-15	28-00	DEC
	# OBS	-	-	507	719	740	718	739	741	707	725	475	731	6802
1993	MEAN	11.2	11.3	12.2	15.7	11.1	13.0	10.2	-	-	-	21.7	11.2	12.2
	MAXIMUM	37.5	32.3	24.7	24.7	26.4	26.0	21.2	-	-	-	23.3	29.9	37.5
	DAY-HR	12-20	08-04	21-08	22-21	07-22	22-07	01-06	-	-	-	30-17	11-17	JAN
	MINIMUM	0.0	0.0	0.2	0.2	0.2	0.4	0.4	-	-	-	20.6	0.2	0.0
	DAY-HR	27-00	03-12	02-18	17-20	27-08	19-21	05-14	-	-	-	30-22	23-18	FEB
	# OBS	728	631	712	703	740	718	165	-	-	-	7	733	5137
1994	MEAN	11.3	12.8	12.7	14.0	12.9	17.0	13.5	16.5	-	-	-	-	13.6
	MAXIMUM	27.4	32.3	31.1	24.9	24.1	26.4	25.1	23.7	-	-	-	-	32.3
	DAY-HR	06-00	04-06	24-17	19-05	02-03	30-01	27-08	05-04	-	-	-	-	FEB
	MINIMUM	0.4	0.2	0.6	0.2	0.2	1.0	1.6	2.7	-	-	-	-	0.2
	DAY-HR	29-18	15-21	24-06	25-10	30-09	11-06	17-19	11-00	-	-	-	-	MAY
	# OBS	731	642	738	718	737	715	720	229	-	-	-	-	5230
1995	MEAN	-	-	-	-	-	-	-	-	-	9.1	11.6	14.8	12.5
	MAXIMUM	-	-	-	-	-	-	-	-	-	24.3	25.1	33.8	33.8
	DAY-HR	-	-	-	-	-	-	-	-	-	25-22	27-02	24-20	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	0.2	0.0	0.2	0.0
	DAY-HR	-	-	-	-	-	-	-	-	-	23-20	23-12	22-11	NOV
	# OBS	-	-	-	-	-	-	-	-	-	340	708	738	1786
1996	MEAN	12.4	11.1	11.2	14.3	13.9	14.0	12.9	13.5	11.6	15.0	-	-	12.9
	MAXIMUM	28.4	25.7	28.0	28.2	24.1	25.5	25.7	23.3	22.4	29.4	-	-	29.4
	DAY-HR	22-16	03-23	23-07	25-18	23-19	18-07	24-12	25-09	15-04	20-01	-	-	OCT
	MINIMUM	0.0	0.0	0.0	0.2	0.2	1.0	1.2	0.2	0.4	0.2	-	-	0.0
	DAY-HR	27-15	11-07	24-20	29-14	26-03	26-18	27-22	12-18	22-15	06-03	-	-	MAR
	# OBS	734	688	741	736	730	715	833	786	790	469	-	-	7222
POR	MEAN	11.6	11.7	12.0	14.5	12.0	13.6	12.6	13.9	12.1	11.3	11.1	12.0	12.5
	MAXIMUM	37.5	32.3	31.1	28.2	26.4	26.4	25.7	23.7	22.4	29.4	25.1	33.8	37.5
	YEAR	1993	1994	1994	1996	1993	1994	1996	1994	1996	1996	1995	1995	JAN/1993
	MINIMUM	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.4	0.0	0.0	0.0	0.0
	YEAR	1996	1996	1996	1992	1996	1992	1992	1996	1996	1992	1995	1992	MAR/1996
	# OBS	2193	1961	2698	2876	2947	2866	2457	1756	1497	1534	1190	2202	26177

STATION: 46051 -- POR (3/1992 - 10/1996)

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
1992	MEAN	-	-	14.7	17.4	12.5	12.7	14.6	16.4	15.6	12.5	12.9	12.8	14.2
	MAXIMUM	-	-	33.2	31.1	31.1	29.7	27.8	26.6	25.5	24.3	28.4	35.0	35.0
	DAY-HR	-	-	20-12	18-11	01-09	13-23	20-09	06-00	11-06	23-16	02-22	12-06	DEC
	# OBS	-	-	507	719	739	718	738	741	706	717	468	730	6783
1993	MEAN	14.2	14.5	15.3	19.3	13.8	16.0	12.7	-	-	-	26.3	14.0	15.2
	MAXIMUM	48.2	42.2	29.5	29.5	32.9	34.8	26.2	-	-	-	29.2	36.2	48.2
	DAY-HR	12-20	08-04	19-08	22-21	08-06	22-07	03-07	-	-	-	30-17	15-11	JAN
	# OBS	727	629	705	702	739	716	165	-	-	-	7	720	5110
1994	MEAN	13.9	15.9	15.6	16.9	15.7	20.5	16.2	19.9	-	-	-	-	16.5
	MAXIMUM	32.7	41.0	37.5	30.3	30.3	31.5	30.5	29.2	-	-	-	-	41.0
	DAY-HR	06-00	04-07	24-19	19-05	02-03	30-01	27-07	03-03	-	-	-	-	FEB
	# OBS	723	638	736	718	735	712	709	226	-	-	-	-	5197
1995	MEAN	-	-	-	-	-	-	-	-	-	11.4	14.4	18.5	15.5
	MAXIMUM	-	-	-	-	-	-	-	-	-	29.9	32.5	42.0	42.0
	DAY-HR	-	-	-	-	-	-	-	-	-	25-22	27-00	24-20	DEC
	# OBS	-	-	-	-	-	-	-	-	-	340	708	737	1785

1996	MEAN	15.3	14.1	13.9	17.5	16.9	17.0	15.6	16.3	14.2	18.4	-	-	15.8
	MAXIMUM	37.7	33.6	34.6	35.0	30.7	29.7	30.9	28.4	27.8	36.0	-	-	37.7
	DAY-HR	31-07	03-22	23-07	11-00	22-20	18-07	24-13	25-13	15-04	20-01	-	-	JAN
	# OBS	734	688	741	736	729	715	833	786	790	469	-	-	7221
POR	MEAN	14.5	14.8	14.9	17.8	14.7	16.5	15.3	16.8	14.9	14.1	13.9	15.1	15.4
	MAXIMUM	48.2	42.2	37.5	35.0	32.9	34.8	30.9	29.2	27.8	36.0	32.5	42.0	48.2
	YEAR	1993	1993	1994	1996	1993	1993	1996	1994	1996	1996	1995	1995	JAN/1993
	# OBS	2184	1955	2689	2875	2942	2861	2445	1753	1496	1526	1183	2187	26096

STATION: 46051 -- POR (11/1993 - 8/1996)

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
1993	MEAN	-	-	-	-	-	-	-	-	-	-	27.8	15.5	15.7
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	30.3	43.4	43.4
	DAY-HR	-	-	-	-	-	-	-	-	-	-	30-16	11-17	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	-	24.7	2.3	2.3
	DAY-HR	-	-	-	-	-	-	-	-	-	-	30-22	25-15	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	8	678	686
1995	MEAN	-	-	-	-	-	-	-	-	-	-	-	31.1	31.1
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	-	31.1	31.1
	DAY-HR	-	-	-	-	-	-	-	-	-	-	-	31-23	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	-	-	31.1	31.1
	DAY-HR	-	-	-	-	-	-	-	-	-	-	-	31-23	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	-	1	1
1996	MEAN	16.8	15.8	15.3	19.2	18.2	18.3	16.7	21.3	-	-	-	-	17.2
	MAXIMUM	38.3	35.8	34.8	36.0	31.3	29.9	31.9	28.8	-	-	-	-	38.3
	DAY-HR	31-09	03-22	23-07	25-18	23-19	10-08	24-12	02-01	-	-	-	-	JAN
	MINIMUM	1.9	1.6	1.4	1.9	2.5	2.9	3.5	12.1	-	-	-	-	1.4
	DAY-HR	12-20	03-02	08-21	01-07	26-02	26-17	01-17	02-15	-	-	-	-	MAR
	# OBS	735	710	741	736	752	715	808	46	-	-	-	-	5243
POR	MEAN	16.8	15.8	15.3	19.2	18.2	18.3	16.7	21.3	-	-	27.8	15.6	17.0
	MAXIMUM	38.3	35.8	34.8	36.0	31.3	29.9	31.9	28.8	-	-	30.3	43.4	43.4
	YEAR	1996	1996	1996	1996	1996	1996	1996	1996	-	-	1993	1993	DEC/1993
	MINIMUM	1.9	1.6	1.4	1.9	2.5	2.9	3.5	12.1	-	-	24.7	2.3	1.4
	YEAR	1996	1996	1996	1996	1996	1996	1996	1996	-	-	1993	1993	MAR/1996
	# OBS	735	710	741	736	752	715	808	46	-	-	8	679	5930

STATION: 46051 -- POR (3/1992 - 10/1996)

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
1992	MEAN	-	-	2.2	2.0	1.6	1.6	1.6	1.6	1.7	1.9	2.2	2.5	1.9
	MAXIMUM	-	-	4.1	4.1	3.4	3.7	2.9	2.8	3.1	5.0	4.7	4.9	5.0
	DAY-HR	-	-	15-18	18-14	01-13	14-08	21-12	23-00	25-01	31-22	01-00	10-12	OCT
	# OBS	-	-	507	719	739	715	738	739	685	672	430	697	6641
1993	MEAN	2.2	2.5	2.4	3.0	1.9	2.0	1.7	-	-	-	-	-	2.3
	MAXIMUM	5.0	4.1	4.6	5.4	4.8	3.7	2.6	-	-	-	-	-	5.4
	DAY-HR	14-17	15-05	04-10	02-08	08-01	23-08	03-08	-	-	-	-	-	APR
	# OBS	716	615	680	684	731	690	160	-	-	-	-	-	4276
1995	MEAN	-	-	-	-	-	-	-	-	-	1.9	2.0	2.9	2.4
	MAXIMUM	-	-	-	-	-	-	-	-	-	4.2	3.6	7.3	7.3
	DAY-HR	-	-	-	-	-	-	-	-	-	22-14	27-07	13-21	DEC
	# OBS	-	-	-	-	-	-	-	-	-	338	706	733	1777
1996	MEAN	2.2	2.6	2.2	2.5	2.2	2.1	1.7	1.7	1.8	2.2	-	-	2.1
	MAXIMUM	5.0	5.4	6.9	5.0	4.0	3.4	3.0	2.8	3.3	4.3	-	-	6.9
	DAY-HR	01-03	22-14	13-15	17-16	24-05	18-07	10-09	31-10	17-21	20-04	-	-	MAR
	# OBS	732	685	740	736	728	714	833	785	787	468	-	-	7208
POR	MEAN	2.2	2.6	2.3	2.5	1.9	1.9	1.6	1.7	1.8	2.0	2.1	2.7	2.1
	MAXIMUM	5.0	5.4	6.9	5.4	4.8	3.7	3.0	2.8	3.3	5.0	4.7	7.3	7.3
	YEAR	1996	1996	1996	1993	1993	1993	1996	1996	1996	1992	1992	1995	DEC/1995

STATION: 46051

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

Month: JAN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	-	*	-	-	*	*	0.1	*	*	-	0.1	*	0.9	20
1 - 3		0.9	0.7	0.9	0.9	0.5	0.5	0.6	0.8	0.7	1.2	1.1	1.6	10.5	230
4 - 6		1.6	0.4	0.7	1.1	1.4	0.9	0.4	0.4	0.8	1.0	2.3	2.3	13.4	294
7 - 10		3.1	0.4	0.1	0.6	1.1	1.5	0.8	0.4	0.3	0.7	4.8	8.3	22.3	488
11 - 15		1.4	0.1	-	0.1	1.2	0.9	1.0	0.3	0.4	0.4	5.3	12.5	23.8	521
16 - 20		1.2	0.2	-	-	1.8	0.5	0.3	0.1	0.3	0.2	4.7	10.6	19.8	434
21 - 24		0.6	*	-	0.1	2.1	0.1	*	-	-	-	1.2	2.2	6.3	139
25 - 33		*	-	-	0.2	1.4	-	-	-	-	-	0.4	0.9	2.9	63
34 - 47		-	-	-	0.1	0.1	-	-	-	-	-	-	-	0.2	4
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	8.9	1.9	1.7	3.1	9.6	4.4	3.3	2.1	2.6	3.5	19.9	38.6	100.0	
TOTAL N	9	196	42	37	68	211	96	72	46	56	77	437	846		2193

(* < 0.05%)

STATION: 46051

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

Month: FEB

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	-	-	0.7	13
1 - 3		0.7	0.8	0.6	0.8	0.5	0.7	0.5	0.5	0.2	0.7	0.7	0.8	7.4	145
4 - 6		1.5	0.4	0.9	1.1	1.7	1.7	0.9	0.5	1.0	1.0	1.3	2.1	14.0	275
7 - 10		3.2	0.1	0.3	1.1	3.3	1.0	0.7	0.7	0.6	2.3	3.9	5.8	22.9	450
11 - 15		2.4	0.1	-	0.5	3.7	2.0	1.2	0.5	0.6	1.5	5.9	9.6	28.0	550
16 - 20		1.2	-	-	0.6	4.4	1.3	0.4	0.2	0.1	0.9	3.9	6.2	19.1	375
21 - 24		0.1	-	-	0.7	1.9	0.5	0.2	-	0.1	-	0.4	1.2	4.9	97
25 - 33		-	-	-	0.9	1.8	0.1	-	-	-	-	0.1	0.1	2.9	56
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	9.1	1.3	1.8	5.7	17.3	7.2	3.9	2.4	2.7	6.5	16.2	25.8	100.0	
TOTAL N	2	179	25	36	111	339	142	76	47	53	128	318	505		1961

(* < 0.05%)

STATION: 46051

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

Month: MAR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.0	0.1	-	-	*	*	-	-	*	-	-	*	-	0.3	7
1 - 3		0.9	0.4	0.3	0.4	0.4	0.6	0.4	0.4	0.6	0.6	0.6	0.8	6.6	178
4 - 6		1.5	0.3	0.3	0.4	0.4	0.6	0.9	0.9	1.1	1.0	1.9	1.8	11.3	304
7 - 10		2.4	0.2	*	0.4	1.3	1.2	0.9	0.6	0.3	1.3	4.7	8.5	21.7	586
11 - 15		3.1	0.1	-	0.4	2.2	0.7	0.2	-	0.1	0.2	6.0	19.8	32.8	884
16 - 20		0.7	-	-	0.5	1.5	0.4	0.1	-	0.1	0.1	3.8	14.3	21.7	586
21 - 24		-	-	-	0.1	0.4	0.1	-	-	*	*	1.6	2.0	4.4	119
25 - 33		-	-	-	0.1	0.4	-	-	-	-	-	0.4	0.4	1.3	34
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	8.8	1.0	0.6	2.4	6.7	3.6	2.5	2.0	2.3	3.3	19.1	47.7	100.0	
TOTAL N	1	237	27	17	64	181	98	68	53	61	90	514	1287		2698

(* < 0.05%)

STATION: 46051

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	*	-	*	*	*	-	-	*	-	*	-	*	0.3	8
1 - 3		0.6	0.5	0.3	0.4	0.3	0.5	0.2	0.2	0.3	0.1	0.6	0.4	4.5	129
4 - 6		0.8	0.1	*	0.3	0.2	0.5	0.3	0.1	0.3	0.4	0.8	1.9	5.9	170
7 - 10		1.8	*	-	0.1	0.2	0.3	0.1	*	0.2	0.6	1.9	5.2	10.6	306
11 - 15		6.3	*	-	-	0.2	*	-	0.1	*	0.2	3.2	18.8	28.9	831
16 - 20		2.9	-	-	-	0.2	0.1	-	-	-	-	6.6	29.3	39.1	1125
21 - 24		0.2	-	-	-	0.2	-	-	-	-	-	2.5	7.0	9.9	286
25 - 33		-	-	-	-	-	-	-	-	-	-	0.5	0.2	0.7	21

34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	12.7	0.6	0.4	0.8	1.5	1.4	0.7	0.5	0.9	1.4	16.2	62.9	100.0		
TOTAL N	1	364	17	11	24	42	41	21	13	26	40	466	1810		2876	

(* < 0.05%)

STATION: 46051

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	-	0.2	0.1	0.1	0.1	*	0.1	-	-	-	-	-	-	0.5	15
1 - 3		0.8	0.2	0.3	0.3	0.3	0.5	0.5	0.4	0.3	0.5	1.0	1.0	-	6.1	180
4 - 6		1.2	0.1	0.1	0.6	1.0	0.9	0.6	0.2	0.4	1.1	3.0	3.2	-	12.4	364
7 - 10		2.3	0.1	0.1	0.3	1.5	1.3	0.4	*	0.1	1.1	5.1	10.2	-	22.5	664
11 - 15		1.9	*	-	0.4	0.2	0.4	0.2	-	-	0.3	5.2	20.3	-	28.9	851
16 - 20		0.9	-	-	*	0.1	*	-	-	-	-	5.0	18.3	-	24.3	716
21 - 24		-	-	-	-	-	-	-	-	-	-	1.5	3.7	-	5.3	155
25 - 33		-	-	-	-	-	-	-	-	-	-	*	*	-	0.1	2
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	7.1	0.6	0.5	1.7	3.1	3.2	1.9	0.6	0.7	3.1	20.8	56.6	100.0		
TOTAL N	0	208	17	16	51	92	93	57	19	22	90	613	1669		2947	

(* < 0.05%)

STATION: 46051

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	*	-	-	*	-	*	-	*	-	-	-	-	-	0.1	4
1 - 3		0.7	0.1	0.2	0.1	0.2	0.3	0.6	0.5	0.3	0.6	0.5	0.8	-	4.7	136
4 - 6		0.5	0.1	0.2	0.1	0.4	0.7	1.0	0.7	0.4	1.2	2.7	2.5	-	10.6	304
7 - 10		1.4	-	-	*	0.6	0.9	0.4	0.2	0.2	0.7	3.9	8.6	-	16.9	485
11 - 15		1.4	-	-	-	0.4	0.1	-	-	*	0.2	4.2	17.2	-	23.5	674
16 - 20		*	-	-	-	0.1	-	-	-	-	*	5.4	27.8	-	33.4	958
21 - 24		*	-	-	-	-	-	-	-	-	-	1.8	8.3	-	10.1	289
25 - 33		-	-	-	-	-	-	-	-	-	-	*	0.5	-	0.6	16
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.1	0.2	0.5	0.2	1.8	2.0	2.0	1.4	1.0	2.6	18.5	65.7	100.0		
TOTAL N	0	117	7	13	7	52	58	57	40	28	74	530	1883		2866	

(* < 0.05%)

STATION: 46051

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	0.0	-	*	*	-	-	*	-	-	*	0.1	-	-	-	0.3	7
1 - 3		0.4	0.2	0.2	0.2	0.4	0.3	-	0.2	0.3	0.4	0.4	0.2	-	3.3	81
4 - 6		0.5	0.1	-	0.3	1.1	0.6	0.3	0.4	0.2	1.0	2.4	2.2	-	9.0	220
7 - 10		1.9	-	-	-	0.8	0.2	0.1	-	*	0.3	4.9	12.5	-	20.8	511
11 - 15		1.7	-	-	-	0.2	*	*	-	-	*	6.1	28.8	-	36.8	905
16 - 20		0.2	-	-	-	-	-	-	-	-	-	3.1	21.6	-	24.9	612
21 - 24		-	-	-	-	-	-	-	-	-	-	0.2	4.6	-	4.7	116
25 - 33		-	-	-	-	-	-	-	-	-	-	-	0.2	-	0.2	5
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.7	0.4	0.2	0.5	2.5	1.2	0.4	0.6	0.5	1.8	17.1	70.0	100.0		
TOTAL N	1	116	9	5	12	62	29	10	14	13	45	421	1720		2457	

(* < 0.05%)

STATION: 46051

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

Month: AUG

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.0	-	-	-	0.1	-	-	-	-	-	-	0.1	-	-	0.1	2
1 - 3		0.7	0.1	-	0.1	0.2	0.2	0.2	0.1	0.2	0.3	0.7	0.5	-	3.1	55
4 - 6		0.7	-	-	-	-	0.2	0.1	0.1	0.2	0.5	1.3	1.7	-	4.7	82
7 - 10		1.3	0.1	-	0.1	0.1	0.1	0.1	-	-	0.3	4.0	8.5	-	14.4	253

11 - 15	1.5	-	-	0.1	-	-	-	-	-	-	-	3.0	29.0	33.5	589
16 - 20	0.3	-	-	-	-	-	-	-	-	-	-	1.6	38.7	40.5	712
21 - 24	-	-	-	-	-	-	-	-	-	-	-	-	3.6	3.6	63
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.4	0.2	0.0	0.2	0.2	0.4	0.3	0.2	0.5	1.0	10.6	81.9	100.0	
TOTAL N	0	78	3	0	4	4	7	5	4	8	18	186	1439		1756

(* < 0.05%)

STATION: 46051

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

Month: SEP

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.0	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1	1
1 - 3	-	0.2	-	-	0.1	-	-	0.3	0.1	0.3	0.4	0.2	0.3	1.9	28
4 - 6	-	0.9	0.1	0.1	-	-	0.2	0.3	0.2	0.6	1.0	2.9	3.6	10.0	149
7 - 10	-	2.0	-	-	-	0.6	0.4	0.4	-	-	0.7	5.3	13.4	22.9	343
11 - 15	-	1.1	-	-	-	0.4	-	-	-	-	0.1	3.9	35.3	40.9	612
16 - 20	-	0.4	-	-	-	-	-	-	-	-	-	1.5	21.8	23.6	354
21 - 24	-	-	-	-	-	-	-	-	-	-	-	-	0.7	0.7	10
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.7	0.1	0.1	0.1	1.0	0.6	1.0	0.3	1.0	2.2	13.9	75.2	100.0	
TOTAL N	0	70	1	1	1	15	9	15	4	15	33	208	1125		1497

(* < 0.05%)

STATION: 46051

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

Month: OCT

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	0.1	0.1	0.1	0.1	0.1	-	0.1	0.1	0.2	0.1	0.1	0.1	1.0	15
1 - 3	-	0.8	0.5	0.3	0.1	0.1	0.6	0.9	0.9	0.6	0.9	1.4	1.0	8.1	125
4 - 6	-	2.0	0.5	0.2	0.3	0.3	1.2	1.0	0.7	0.9	1.2	3.7	2.9	14.8	227
7 - 10	-	2.4	0.1	0.1	0.3	1.4	1.4	0.2	0.3	0.3	0.8	5.8	9.0	22.0	337
11 - 15	-	1.8	-	-	0.1	0.9	0.5	0.7	0.1	-	-	5.0	21.3	30.3	465
16 - 20	-	0.1	-	-	0.1	0.1	-	0.1	-	-	-	1.7	16.0	18.1	277
21 - 24	-	-	-	-	-	-	-	-	-	-	-	1.0	3.5	4.5	69
25 - 33	-	-	-	-	-	-	-	-	-	-	-	0.4	0.8	1.2	19
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	7.3	1.1	0.7	0.8	2.9	3.8	2.9	2.2	2.0	2.9	19.0	54.5	100.0	
TOTAL N	1	112	17	10	12	45	58	44	33	30	45	291	836		1534

(* < 0.05%)

STATION: 46051

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

Month: NOV

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	0.1	-	-	-	-	-	-	0.1	0.5	0.3	-	-	1.3	16
1 - 3	-	1.3	0.4	0.9	0.7	0.7	0.6	0.8	0.3	1.4	1.5	1.6	1.5	11.8	140
4 - 6	-	1.0	0.4	0.5	1.2	1.3	1.6	0.9	0.6	0.6	0.6	2.2	2.9	13.7	163
7 - 10	-	2.4	0.4	0.3	0.7	1.5	0.8	0.3	0.1	-	0.3	4.3	8.9	19.9	237
11 - 15	-	3.0	-	-	-	1.0	0.7	0.1	-	-	-	3.4	17.7	25.9	308
16 - 20	-	1.4	-	-	-	0.1	-	-	-	-	-	0.6	19.7	21.8	259
21 - 24	-	0.3	-	-	-	-	-	-	-	-	-	0.8	4.2	5.3	63
25 - 33	-	-	-	-	-	-	-	-	-	-	-	0.1	0.3	0.3	4
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	9.6	1.3	1.8	2.5	4.5	3.6	2.1	1.1	2.5	2.6	12.9	55.1	100.0	
TOTAL N	5	114	15	21	30	54	43	25	13	30	31	153	656		1190

(* < 0.05%)

STATION: 46051

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

Month: DEC

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		

0	0.3	0.1	-	-	0.1	-	*	*	0.1	0.1	-	*	0.2	1.0	21
1 - 3		0.5	1.0	0.7	1.0	0.5	0.8	0.4	0.5	1.0	1.2	0.9	1.0	9.6	211
4 - 6		1.5	0.5	0.6	1.0	1.0	1.1	0.7	0.8	0.8	0.7	2.2	2.6	13.4	295
7 - 10		2.9	0.2	0.3	1.0	1.5	1.5	0.5	0.6	0.3	0.7	3.3	6.9	19.6	431
11 - 15		4.2	0.7	0.5	0.5	1.6	1.1	0.2	0.5	0.2	0.2	2.8	10.9	23.5	517
16 - 20		2.8	0.4	*	0.9	2.3	1.4	0.1	*	0.1	0.4	4.4	12.2	25.0	550
21 - 24		0.1	-	-	0.4	1.1	0.4	-	-	-	0.1	1.4	3.1	6.6	145
25 - 33		-	-	-	-	1.1	*	-	-	-	-	0.1	0.2	1.4	31
34 - 47		-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	12.0	2.8	2.1	4.9	9.1	6.3	2.0	2.6	2.5	3.2	15.1	37.1	100.0	
TOTAL N	6	265	61	47	108	200	139	43	57	56	71	333	816		2202

(* < 0.05%)

STATION: 46051

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

All Months: Annual

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	*	*	*	*	*	*	*	0.1	*	*	*	0.5	129
1 - 3		0.7	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.5	0.7	0.8	0.8	6.3	1638
4 - 6		1.1	0.2	0.3	0.5	0.7	0.8	0.6	0.5	0.6	0.9	2.2	2.4	10.9	2847
7 - 10		2.3	0.1	0.1	0.3	1.1	0.9	0.4	0.2	0.2	0.8	4.2	8.7	19.4	5091
11 - 15		2.6	0.1	*	0.2	1.0	0.5	0.3	0.1	0.1	0.3	4.6	19.7	29.4	7707
16 - 20		1.1	*	*	0.2	0.9	0.3	0.1	*	0.1	0.1	3.9	19.9	26.6	6958
21 - 24		0.1	*	-	0.1	0.5	0.1	*	-	*	1.2	3.9	5.9	1551	
25 - 33		*	-	-	0.1	0.4	*	-	-	-	0.2	0.3	1.0	251	
34 - 47		-	-	-	*	*	-	-	-	-	-	-	-	0.0	5
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	7.9	0.9	0.8	1.9	5.0	3.1	1.9	1.3	1.5	2.8	17.1	55.7	100.0	
TOTAL N	26	2056	241	214	492	1297	813	493	343	398	742	4470	14592		26177

(* < 0.05%)

STATION: 46051

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	*	*	*	*	*	*	0.1	0.1	0.1	*	0.1	0.1	0.8	54
1 - 3		0.7	0.8	0.8	0.9	0.5	0.7	0.5	0.6	0.7	1.0	0.9	1.1	9.2	586
4 - 6		1.5	0.4	0.7	1.1	1.4	1.2	0.7	0.6	0.8	0.9	2.0	2.4	13.6	864
7 - 10		3.1	0.2	0.2	0.9	1.9	1.3	0.7	0.6	0.4	1.2	4.0	7.0	21.5	1369
11 - 15		2.7	0.3	0.2	0.4	2.1	1.3	0.8	0.4	0.4	0.7	4.6	11.1	25.0	1588
16 - 20		1.7	0.2	*	0.5	2.8	1.0	0.3	0.1	0.2	0.5	4.4	9.8	21.4	1359
21 - 24		0.3	*	-	0.4	1.7	0.3	0.1	-	*	1.0	2.2	6.0	381	
25 - 33		*	-	-	0.3	1.4	*	-	-	-	-	0.2	0.4	2.4	150
34 - 47		-	-	-	*	*	-	-	-	-	-	-	-	0.1	5
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	10.1	2.0	1.9	4.5	11.8	5.9	3.0	2.4	2.6	4.3	17.1	34.1	100.0	
TOTAL N	17	640	128	120	287	750	377	191	150	165	276	1088	2167		6356

(* < 0.05%)

STATION: 46051

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.0	*	0.1	*	*	*	*	*	*	-	*	*	*	0.4	30
1 - 3		0.8	0.4	0.3	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.7	0.8	5.7	487
4 - 6		1.2	0.1	0.2	0.5	0.5	0.7	0.6	0.4	0.6	0.9	1.9	2.3	9.8	838
7 - 10		2.2	0.1	*	0.2	1.0	1.0	0.5	0.2	0.2	1.0	3.9	8.0	18.3	1556
11 - 15		3.7	*	-	0.2	0.9	0.4	0.2	*	*	0.2	4.8	19.6	30.1	2566
16 - 20		1.5	-	-	0.2	0.6	0.2	*	-	*	5.2	20.7	28.5	2427	
21 - 24		0.1	-	-	*	0.2	*	-	-	*	1.9	4.3	6.6	560	
25 - 33		-	-	-	*	0.1	-	-	-	-	0.3	0.2	0.7	57	
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	9.5	0.7	0.5	1.6	3.7	2.7	1.7	1.0	1.3	2.6	18.7	55.9	100.0	
TOTAL N	2	809	61	44	139	315	232	146	85	109	220	1593	4766		8521

(* < 0.05%)

STATION: 46051

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	0.0	*	*	*	*	-	*	-	*	*	*	*	*	-	0.2	13
1 - 3		0.6	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	-	3.8	272
4 - 6		0.5	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.3	0.9	2.3	2.2	-	8.6	606
7 - 10		1.6	*	-	*	0.5	0.5	0.2	0.1	0.1	0.5	4.3	9.9	-	17.6	1249
11 - 15		1.5	-	-	*	0.2	0.1	*	-	*	0.1	4.5	24.1	-	30.6	2168
16 - 20		0.2	-	-	-	0.1	-	-	-	-	*	3.7	28.4	-	32.2	2282
21 - 24		*	-	-	-	-	-	-	-	-	-	0.8	5.8	-	6.6	468
25 - 33		-	-	-	-	-	-	-	-	-	-	*	0.3	-	0.3	21
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.4	0.3	0.3	0.3	1.7	1.3	1.0	0.8	0.7	1.9	16.1	71.2	100.0		
TOTAL N	1	311	19	18	23	118	94	72	58	49	137	1137	5042			7079

STATION: 46051

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	0.1	*	*	*	*	-	*	*	0.2	0.1	*	*	-	0.8	32
1 - 3		0.7	0.3	0.4	0.2	0.2	0.4	0.7	0.5	0.7	0.9	1.0	0.9	-	6.9	293
4 - 6		1.3	0.3	0.2	0.4	0.5	1.0	0.7	0.5	0.7	0.9	3.0	3.1	-	12.8	539
7 - 10		2.3	0.1	0.1	0.3	1.1	0.9	0.3	0.1	0.1	0.6	5.2	10.5	-	21.7	917
11 - 15		1.9	-	-	*	0.8	0.4	0.3	*	-	*	4.1	25.3	-	32.8	1385
16 - 20		0.6	-	-	*	0.1	-	*	-	-	-	1.3	19.1	-	21.1	890
21 - 24		0.1	-	-	-	-	-	-	-	-	-	0.6	2.7	-	3.4	142
25 - 33		-	-	-	-	-	-	-	-	-	-	0.2	0.4	-	0.5	23
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	7.0	0.8	0.8	1.0	2.7	2.6	2.0	1.2	1.8	2.6	15.4	62.0	100.0		
TOTAL N	6	296	33	32	43	114	110	84	50	75	109	652	2617			4221

STATION: 46051

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	>13.4	TOT %	TOT N	
1 - 3	-	0.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	17
4 - 6	-	3.8	5.9	1.1	0.4	0.1	-	-	-	-	-	-	-	-	-	-	11.3	163
7 - 10	-	4.1	6.2	1.7	0.4	0.3	-	-	-	-	-	-	-	-	-	-	12.8	185
11 - 15	-	3.9	12.8	3.2	1.2	0.1	-	-	-	-	-	-	-	-	-	-	21.2	307
16 - 20	-	2.3	15.1	4.6	1.0	0.3	-	-	-	-	-	-	-	-	-	-	23.3	337
21 - 24	-	0.8	9.1	7.7	1.6	0.1	-	-	-	-	-	-	-	-	-	-	19.3	280
25 - 33	-	0.3	2.5	2.9	0.8	0.2	-	-	-	-	-	-	-	-	-	-	6.7	97
34 - 47	-	-	1.2	1.7	1.0	0.2	-	-	-	-	-	-	-	-	-	-	4.0	58
> 48	-	-	-	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	0.3	4
TOTAL %	0.0	15.6	53.5	23.1	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	226	775	334	93	20	0	0	0	0	0	0	0	0	0			1448

STATION: 46051

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

Month: FEB

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	TOT %	TOT N	
1 - 3	-	0.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	10
4 - 6	-	0.8	5.2	2.7	0.1	-	-	-	-	-	-	-	-	-	-	-	8.8	115
7 - 10	-	1.5	7.7	4.9	0.5	-	-	-	-	-	-	-	-	-	-	-	14.6	190
11 - 15	-	0.6	11.5	10.5	1.8	-	-	-	-	-	-	-	-	-	-	-	24.4	317
16 - 20	-	0.8	7.7	13.6	4.9	0.2	-	-	-	-	-	-	-	-	-	-	27.2	354
21 - 24	-	0.5	4.5	8.8	3.5	0.4	-	-	-	-	-	-	-	-	-	-	17.7	230
25 - 33	-	0.2	2.1	1.3	0.8	0.1	-	-	-	-	-	-	-	-	-	-	4.5	58
34 - 47	-	-	0.7	1.2	-	-	-	-	-	-	-	-	-	-	-	-	1.9	25
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.7	39.9	43.0	11.7	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	61	519	559	152	9	0	0	0	0	0	0	0	0	0			1300

STATION: 46051

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

Month: MAR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	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	-	0.4	7
1 - 3	-	1.6	4.2	1.4	0.4	-	-	-	-	-	-	-	-	-	-	7.6	146
4 - 6	-	1.3	6.7	2.9	0.7	0.1	-	-	-	-	-	-	-	-	-	11.7	225
7 - 10	-	3.8	11.1	5.1	2.4	0.1	-	-	-	-	-	-	-	-	-	22.6	435
11 - 15	-	5.4	14.4	8.5	2.1	0.2	-	-	-	-	-	-	-	-	-	30.7	592
16 - 20	-	0.8	10.7	8.7	1.5	0.2	0.2	0.1	-	-	-	-	-	-	-	22.1	425
21 - 24	-	-	1.5	1.9	0.6	-	-	-	-	-	-	-	-	-	-	3.9	76
25 - 33	-	-	-	0.9	0.1	-	-	-	-	-	-	-	-	-	-	1.0	19
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2
TOTAL %	0.0	13.2	48.9	29.5	7.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	255	942	568	148	10	3	1	0	0	0	0	0	0	0		1927

(* < 0.05%)

STATION: 46051

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

Month: APR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.3	6
1 - 3	-	1.1	1.7	1.0	0.1	*	-	-	-	-	-	-	-	-	-	3.9	84
4 - 6	-	2.3	1.2	1.4	0.3	*	-	-	-	-	-	-	-	-	-	5.2	111
7 - 10	-	3.4	4.3	2.2	0.5	*	-	-	-	-	-	-	-	-	-	10.5	225
11 - 15	-	3.6	15.1	9.2	1.8	0.1	-	-	-	-	-	-	-	-	-	29.8	638
16 - 20	-	0.8	13.4	16.0	8.2	0.5	-	-	-	-	-	-	-	-	-	38.9	833
21 - 24	-	0.1	1.2	4.6	4.3	0.2	-	-	-	-	-	-	-	-	-	10.5	224
25 - 33	-	-	-	0.7	0.2	-	-	-	-	-	-	-	-	-	-	0.8	18
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	11.5	37.1	35.2	15.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	245	793	752	330	19	0	0	0	0	0	0	0	0	0		2139

(* < 0.05%)

STATION: 46051

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

Month: MAY

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.5	12
1 - 3	0.2	1.9	3.8	0.9	*	-	-	-	-	-	-	-	-	-	-	6.8	150
4 - 6	0.5	5.5	6.6	0.6	-	-	-	-	-	-	-	-	-	-	-	13.1	288
7 - 10	1.0	12.0	9.5	1.0	*	-	-	-	-	-	-	-	-	-	-	23.6	519
11 - 15	0.2	10.6	13.6	3.5	0.4	*	-	-	-	-	-	-	-	-	-	28.4	624
16 - 20	-	1.0	10.0	8.5	2.0	0.2	-	-	-	-	-	-	-	-	-	21.6	474
21 - 24	-	-	1.4	3.0	1.4	0.1	-	-	-	-	-	-	-	-	-	5.9	129
25 - 33	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.1	2
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.9	30.9	45.2	17.7	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	41	680	993	390	86	8	0	0	0	0	0	0	0	0	0		2198

(* < 0.05%)

STATION: 46051

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	-	0.2	4
1 - 3	-	2.5	3.4	-	-	-	-	-	-	-	-	-	-	-	-	5.9	126
4 - 6	-	6.6	6.0	0.5	-	-	-	-	-	-	-	-	-	-	-	13.1	277
7 - 10	-	10.0	10.1	0.7	-	-	-	-	-	-	-	-	-	-	-	20.7	438
11 - 15	-	6.1	16.5	3.4	0.1	-	-	-	-	-	-	-	-	-	-	26.1	553
16 - 20	-	0.9	15.2	10.5	0.2	-	-	-	-	-	-	-	-	-	-	26.9	570
21 - 24	-	-	1.5	5.0	0.3	-	-	-	-	-	-	-	-	-	-	6.8	144

25 - 33	-	-	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	0.3	7
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	26.1	53.0	20.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	554	1124	428	13	0	0	0	0	0	0	0	0	0	0		2119

(* < 0.05%)

STATION: 46051

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	-	0.4	7
1 - 3	-	2.2	2.0	0.1	-	-	-	-	-	-	-	-	-	-	-	4.3	74
4 - 6	-	4.4	5.7	0.3	-	-	-	-	-	-	-	-	-	-	-	10.3	179
7 - 10	-	7.7	11.6	0.6	-	-	-	-	-	-	-	-	-	-	-	19.8	343
11 - 15	0.1	18.2	18.7	0.7	-	-	-	-	-	-	-	-	-	-	-	37.6	651
16 - 20	-	5.7	16.6	1.0	-	-	-	-	-	-	-	-	-	-	-	23.4	405
21 - 24	-	-	2.8	1.1	-	-	-	-	-	-	-	-	-	-	-	3.9	67
25 - 33	-	-	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	4
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
TOTAL %	0.1	38.5	57.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	666	997	67	0	0	0	0	0	0	0	0	0	0	0		1731

(* < 0.05%)

STATION: 46051

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	-	0.1	2
1 - 3	-	1.0	2.5	-	-	-	-	-	-	-	-	-	-	-	-	3.5	53
4 - 6	-	1.5	3.7	-	-	-	-	-	-	-	-	-	-	-	-	5.2	80
7 - 10	-	5.0	10.3	0.5	-	-	-	-	-	-	-	-	-	-	-	15.7	240
11 - 15	-	11.4	23.2	0.6	-	-	-	-	-	-	-	-	-	-	-	35.2	536
16 - 20	-	10.8	25.6	1.4	-	-	-	-	-	-	-	-	-	-	-	37.8	576
21 - 24	-	0.3	1.8	0.4	-	-	-	-	-	-	-	-	-	-	-	2.4	37
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	30.0	67.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	457	1024	43	0	0	0	0	0	0	0	0	0	0	0		1524

(* < 0.05%)

STATION: 46051

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	-	0.1	1
1 - 3	-	0.5	1.1	0.3	-	-	-	-	-	-	-	-	-	-	-	1.9	28
4 - 6	-	2.9	6.4	0.8	-	-	-	-	-	-	-	-	-	-	-	10.1	149
7 - 10	-	6.0	14.6	2.3	-	-	-	-	-	-	-	-	-	-	-	23.0	338
11 - 15	-	15.0	23.3	2.9	-	-	-	-	-	-	-	-	-	-	-	41.2	606
16 - 20	-	6.0	15.1	1.8	-	-	-	-	-	-	-	-	-	-	-	23.0	339
21 - 24	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	0.7	10
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
TOTAL %	0.0	30.6	61.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	451	901	120	0	0	0	0	0	0	0	0	0	0	0		1472

(* < 0.05%)

STATION: 46051

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

Month: OCT

WIND SPEED	WAVE HEIGHT														TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-		

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	-	0.5	0.4	0.1	0.1	-	-	-	-	-	-	-	-	-	-	1.0	15
1 - 3	-	2.0	4.7	1.6	0.3	-	-	-	-	-	-	-	-	-	-	8.5	125
4 - 6	-	5.9	7.4	1.5	0.3	-	-	-	-	-	-	-	-	-	-	15.1	223
7 - 10	-	4.4	13.7	3.4	0.3	-	-	-	-	-	-	-	-	-	-	21.9	323
11 - 15	-	6.9	15.9	5.5	0.8	0.1	-	-	-	-	-	-	-	-	-	29.2	431
16 - 20	-	2.0	11.4	3.6	1.1	0.1	-	-	-	-	-	-	-	-	-	18.2	269
21 - 24	-	-	1.7	2.2	0.8	-	-	-	-	-	-	-	-	-	-	4.7	69
25 - 33	-	-	-	0.6	0.7	-	-	-	-	-	-	-	-	-	-	1.3	19
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.3	4
TOTAL %	0.0	21.7	55.3	18.4	4.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	320	818	272	66	2	0	0	0	0	0	0	0	0	0		1478

(* < 0.05%)

STATION: 46051

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

Month: NOV

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.4	16
1 - 3	-	2.2	8.4	1.5	0.1	-	-	-	-	-	-	-	-	-	-	12.1	138
4 - 6	-	4.6	7.3	2.1	-	-	-	-	-	-	-	-	-	-	-	14.0	159
7 - 10	-	5.6	10.9	3.6	0.1	-	-	-	-	-	-	-	-	-	-	20.2	230
11 - 15	-	3.7	14.2	7.5	0.2	-	-	-	-	-	-	-	-	-	-	25.5	290
16 - 20	-	0.7	8.7	10.1	1.6	0.2	-	-	-	-	-	-	-	-	-	21.3	242
21 - 24	-	-	1.8	2.6	0.4	-	-	-	-	-	-	-	-	-	-	4.8	55
25 - 33	-	-	-	0.1	0.3	-	-	-	-	-	-	-	-	-	-	0.4	4
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	2
TOTAL %	0.0	16.9	52.6	27.7	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	192	597	315	30	2	0	0	0	0	0	0	0	0	0		1136

(* < 0.05%)

STATION: 46051

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

Month: DEC

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.4	20
1 - 3	-	1.4	4.1	1.8	1.4	0.1	-	0.3	-	-	-	-	-	-	-	9.1	130
4 - 6	-	1.0	6.2	3.2	0.9	0.2	0.3	0.1	-	-	-	-	-	-	-	12.0	172
7 - 10	-	2.0	7.8	5.0	1.9	0.2	0.1	0.2	-	-	-	-	-	-	-	17.1	245
11 - 15	-	1.3	8.2	10.0	3.8	0.8	0.3	-	-	-	-	-	-	-	-	24.4	349
16 - 20	-	0.9	11.0	8.5	6.2	1.0	0.3	-	-	-	-	-	-	-	-	27.9	399
21 - 24	-	-	1.0	2.0	2.7	0.6	-	-	-	-	-	-	-	-	-	6.2	89
25 - 33	-	-	0.1	0.8	0.8	-	-	-	-	-	-	-	-	-	-	1.7	25
34 - 47	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	1
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	7.3	39.0	31.4	17.7	3.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	104	557	449	253	43	15	9	0	0	0	0	0	0	0		1430

(* < 0.05%)

STATION: 46051

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	-	0.6	117
1 - 3	-	1.7	3.7	1.0	0.2	*	-	*	-	-	-	-	-	-	-	6.7	1332
4 - 6	0.1	3.6	5.8	1.5	0.3	0.1	*	*	-	-	-	-	-	-	-	11.2	2238
7 - 10	0.1	5.7	10.4	2.9	0.7	*	*	*	-	-	-	-	-	-	-	19.9	3960
11 - 15	*	7.3	15.6	5.6	1.2	0.1	*	-	-	-	-	-	-	-	-	30.0	5961
16 - 20	-	2.5	12.8	7.5	2.2	0.2	*	*	-	-	-	-	-	-	-	25.3	5042
21 - 24	-	0.1	1.6	2.4	1.1	0.1	-	-	-	-	-	-	-	-	-	5.3	1055
25 - 33	-	-	0.2	0.5	0.2	*	-	-	-	-	-	-	-	-	-	0.9	181
34 - 47	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	5
> 48	-	*	*	*	*	-	-	-	-	-	-	-	-	-	-	0.1	11
TOTAL %	0.2	21.2	50.4	21.6	5.9	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	42	4211	10040	4297	1171	113	18	10	0	0	0	0	0	0	0		19902

(* < 0.05%)

12.5 - 13.4	-	6.3	4.0	1.9	0.8	-	-	-	-	-	-	-	-	-	-	13.0	286
13.5 - 14.4	-	6.0	3.2	0.5	1.1	0.2	-	-	-	-	-	-	-	-	-	11.0	242
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.2	3.2	0.4	0.4	-	-	-	-	-	-	-	-	-	-	6.2	136
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.4	0.1	0.4	-	-	-	-	-	-	-	-	-	-	-	0.9	20
TOTAL %	1.9	30.9	45.2	17.7	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	41	680	993	390	86	8	0	0	0	0	0	0	0	0	0		2198

(* < 0.05%)

STATION: 46051

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	0.3	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	7
5.5 - 6.4	-	1.1	1.8	*	-	-	-	-	-	-	-	-	-	-	-	3.0	64
6.5 - 7.4	-	1.4	5.4	0.6	-	-	-	-	-	-	-	-	-	-	-	7.4	157
7.5 - 8.4	-	3.3	15.1	6.4	0.1	-	-	-	-	-	-	-	-	-	-	24.9	527
8.5 - 9.4	-	5.1	14.0	7.1	0.3	-	-	-	-	-	-	-	-	-	-	26.5	561
9.5 - 10.4	-	2.5	12.2	5.6	0.2	-	-	-	-	-	-	-	-	-	-	20.4	433
10.5 - 11.4	-	0.6	2.6	0.5	-	-	-	-	-	-	-	-	-	-	-	3.7	78
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.6	1.2	-	-	-	-	-	-	-	-	-	-	-	-	3.8	81
13.5 - 14.4	-	6.3	0.6	-	-	-	-	-	-	-	-	-	-	-	-	6.9	146
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	3.0	63
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2
TOTAL %	0.0	26.1	53.0	20.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	554	1124	428	13	0	0	0	0	0	0	0	0	0	0		2119

(* < 0.05%)

STATION: 46051

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.1	1
0.5 - 1.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	7
5.5 - 6.4	-	2.1	1.6	-	-	-	-	-	-	-	-	-	-	-	-	3.8	65
6.5 - 7.4	-	0.6	5.8	-	-	-	-	-	-	-	-	-	-	-	-	6.4	111
7.5 - 8.4	-	3.1	10.7	1.6	-	-	-	-	-	-	-	-	-	-	-	15.4	266
8.5 - 9.4	-	7.5	11.7	0.6	-	-	-	-	-	-	-	-	-	-	-	19.7	341
9.5 - 10.4	-	5.5	11.3	0.8	-	-	-	-	-	-	-	-	-	-	-	17.6	304
10.5 - 11.4	-	3.4	2.4	0.6	-	-	-	-	-	-	-	-	-	-	-	6.4	110
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	4.1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	4.8	83
13.5 - 14.4	-	8.6	4.8	-	-	-	-	-	-	-	-	-	-	-	-	13.4	232
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.5	6.8	0.1	-	-	-	-	-	-	-	-	-	-	-	9.4	162
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.6	1.9	0.3	-	-	-	-	-	-	-	-	-	-	-	2.8	49
TOTAL %	0.1	38.5	57.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	666	997	67	0	0	0	0	0	0	0	0	0	0	0		1731

(* < 0.05%)

STATION: 46051

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	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
4.5 - 5.4	-	2.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	2.8	43
5.5 - 6.4	-	1.4	2.7	-	-	-	-	-	-	-	-	-	-	-	-	4.1	62
6.5 - 7.4	-	2.1	8.9	0.2	-	-	-	-	-	-	-	-	-	-	-	11.2	170
7.5 - 8.4	-	5.6	26.3	1.6	-	-	-	-	-	-	-	-	-	-	-	33.5	510
8.5 - 9.4	-	4.9	11.5	1.0	-	-	-	-	-	-	-	-	-	-	-	17.4	265
9.5 - 10.4	-	1.8	6.4	0.1	-	-	-	-	-	-	-	-	-	-	-	8.3	126
10.5 - 11.4	-	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	4.9	74
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	0.8	0.3	-	-	-	-	-	-	-	-	-	-	-	-	1.0	16
13.5 - 14.4	-	6.2	4.9	-	-	-	-	-	-	-	-	-	-	-	-	11.0	168
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.8	3.1	-	-	-	-	-	-	-	-	-	-	-	-	5.8	89
TOTAL %	0.0	30.0	67.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	457	1024	43	0	0	0	0	0	0	0	0	0	0	0		1524

(* < 0.05%)

STATION: 46051

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	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
4.5 - 5.4	-	2.2	0.3	-	-	-	-	-	-	-	-	-	-	-	-	2.5	37
5.5 - 6.4	-	1.6	5.0	-	-	-	-	-	-	-	-	-	-	-	-	6.5	96
6.5 - 7.4	-	0.5	3.5	0.3	-	-	-	-	-	-	-	-	-	-	-	4.2	62
7.5 - 8.4	-	2.3	11.8	2.0	-	-	-	-	-	-	-	-	-	-	-	16.2	238
8.5 - 9.4	-	1.7	7.7	1.3	-	-	-	-	-	-	-	-	-	-	-	10.7	157
9.5 - 10.4	-	3.5	13.7	0.6	-	-	-	-	-	-	-	-	-	-	-	17.7	261
10.5 - 11.4	-	2.9	6.9	2.6	-	-	-	-	-	-	-	-	-	-	-	12.4	183
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.1	3.3	1.3	-	-	-	-	-	-	-	-	-	-	-	7.7	113
13.5 - 14.4	-	10.0	7.9	-	-	-	-	-	-	-	-	-	-	-	-	17.9	264
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.0	1.2	-	-	-	-	-	-	-	-	-	-	-	-	3.2	47
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	13
TOTAL %	0.0	30.6	61.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	451	901	120	0	0	0	0	0	0	0	0	0	0	0		1472

(* < 0.05%)

STATION: 46051

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

Month: OCT

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	0.4	0.9	-	-	-	-	-	-	-	-	-	-	-	-	1.3	19
5.5 - 6.4	-	0.7	4.7	-	-	-	-	-	-	-	-	-	-	-	-	5.4	80
6.5 - 7.4	-	0.9	4.1	0.3	-	-	-	-	-	-	-	-	-	-	-	5.3	79
7.5 - 8.4	-	1.4	2.4	1.4	0.4	-	-	-	-	-	-	-	-	-	-	5.6	83
8.5 - 9.4	-	2.7	1.4	1.2	0.6	-	-	-	-	-	-	-	-	-	-	5.9	87
9.5 - 10.4	-	2.2	3.7	1.2	0.5	-	-	-	-	-	-	-	-	-	-	7.7	114
10.5 - 11.4	-	3.7	9.1	0.8	0.3	-	-	-	-	-	-	-	-	-	-	13.9	205
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.0	13.3	6.0	1.0	-	-	-	-	-	-	-	-	-	-	23.4	346

13.5 - 14.4	-	4.1	11.0	6.1	1.6	0.1	-	-	-	-	-	-	-	-	-	22.8	337
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.2	4.1	0.9	-	-	-	-	-	-	-	-	-	-	-	7.2	107
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	0.7	0.3	-	-	-	-	-	-	-	-	-	-	-	1.4	21
TOTAL %	0.0	21.7	55.3	18.4	4.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	320	818	272	66	2	0	0	0	0	0	0	0	0	0		1478

(* < 0.05%)

STATION: 46051

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

Month: NOV

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4			>13.4
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
5.5 - 6.4	-	0.2	3.9	-	-	-	-	-	-	-	-	-	-	-	-	4.0	46
6.5 - 7.4	-	0.4	3.0	0.4	-	-	-	-	-	-	-	-	-	-	-	3.8	43
7.5 - 8.4	-	0.4	1.6	1.3	-	-	-	-	-	-	-	-	-	-	-	3.3	38
8.5 - 9.4	-	2.1	4.2	1.4	0.2	-	-	-	-	-	-	-	-	-	-	7.9	90
9.5 - 10.4	-	2.4	6.3	2.4	-	-	-	-	-	-	-	-	-	-	-	11.1	126
10.5 - 11.4	-	3.7	9.0	3.1	0.2	-	-	-	-	-	-	-	-	-	-	15.9	181
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.8	14.3	7.1	0.7	-	-	-	-	-	-	-	-	-	-	26.0	295
13.5 - 14.4	-	2.2	6.3	9.0	1.4	0.2	-	-	-	-	-	-	-	-	-	19.0	216
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.6	3.9	3.1	0.2	-	-	-	-	-	-	-	-	-	-	8.7	99
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
TOTAL %	0.0	16.9	52.6	27.7	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	192	597	315	30	2	0	0	0	0	0	0	0	0	0		1136

(* < 0.05%)

STATION: 46051

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4			>13.4
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
4.5 - 5.4	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	1.2	17
5.5 - 6.4	-	0.1	3.9	-	-	-	-	-	-	-	-	-	-	-	-	4.0	57
6.5 - 7.4	-	-	1.3	0.3	-	-	-	-	-	-	-	-	-	-	-	1.6	23
7.5 - 8.4	-	0.1	1.0	0.3	0.1	-	-	-	-	-	-	-	-	-	-	1.4	20
8.5 - 9.4	-	0.3	1.4	0.3	0.3	-	-	-	-	-	-	-	-	-	-	2.4	34
9.5 - 10.4	-	1.6	4.3	0.8	0.1	-	-	-	-	-	-	-	-	-	-	6.9	98
10.5 - 11.4	-	1.5	3.9	2.5	0.6	-	-	-	-	-	-	-	-	-	-	8.5	122
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.5	11.0	10.8	3.8	0.7	-	-	-	-	-	-	-	-	-	28.9	413
13.5 - 14.4	-	1.1	9.1	12.1	8.8	1.2	0.6	0.3	-	-	-	-	-	-	-	33.2	475
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.1	1.5	3.1	2.5	1.1	0.4	0.3	-	-	-	-	-	-	-	9.0	129
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	0.3	1.1	1.4	-	-	-	-	-	-	-	-	-	-	2.9	41
TOTAL %	0.0	7.3	39.0	31.4	17.7	3.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	104	557	449	253	43	15	9	0	0	0	0	0	0	0		1430

(* < 0.05%)

STATION: 46051

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

All Months: Annual

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	3
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	20
4.5 - 5.4	*	0.6	0.4	*	-	-	-	-	-	-	-	-	-	-	-	1.0	195
5.5 - 6.4	*	0.7	2.5	0.2	-	-	-	-	-	-	-	-	-	-	-	3.3	660
6.5 - 7.4	*	0.7	3.7	0.6	*	-	-	-	-	-	-	-	-	-	-	5.1	1009
7.5 - 8.4	0.1	1.9	7.2	2.4	0.2	*	-	-	-	-	-	-	-	-	-	11.7	2330
8.5 - 9.4	*	2.6	5.6	1.9	0.4	*	-	-	-	-	-	-	-	-	-	10.5	2097
9.5 - 10.4	*	2.2	6.9	2.4	0.3	-	-	-	-	-	-	-	-	-	-	11.8	2358
10.5 - 11.4	*	2.3	5.6	2.6	0.6	*	-	-	-	-	-	-	-	-	-	11.1	2203
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.3	7.0	5.0	1.4	0.1	*	*	-	-	-	-	-	-	-	16.8	3343
13.5 - 14.4	-	5.0	7.7	4.6	2.2	0.2	*	*	-	-	-	-	-	-	-	19.8	3947
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.6	3.3	1.6	0.7	0.1	*	*	-	-	-	-	-	-	-	7.4	1472
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	0.6	0.4	0.1	-	-	-	-	-	-	-	-	-	-	1.3	264
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.2	21.2	50.4	21.6	5.9	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	42	4211	10040	4297	1171	113	18	10	0	0	0	0	0	0	0		19902

(* < 0.05%)

STATION: 46051

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	6
4.5 - 5.4	-	-	0.6	*	-	-	-	-	-	-	-	-	-	-	-	0.7	29
5.5 - 6.4	-	0.1	1.8	0.5	-	-	-	-	-	-	-	-	-	-	-	2.5	103
6.5 - 7.4	-	0.1	0.6	0.7	*	-	-	-	-	-	-	-	-	-	-	1.5	62
7.5 - 8.4	-	0.5	2.3	0.9	0.1	-	-	-	-	-	-	-	-	-	-	3.8	157
8.5 - 9.4	-	0.5	1.9	1.1	0.2	-	-	-	-	-	-	-	-	-	-	3.8	159
9.5 - 10.4	-	1.4	3.9	2.0	0.3	-	-	-	-	-	-	-	-	-	-	7.7	321
10.5 - 11.4	-	2.3	5.5	4.1	0.9	0.1	-	-	-	-	-	-	-	-	-	12.9	540
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.6	11.6	10.0	2.9	0.5	-	-	-	-	-	-	-	-	-	27.6	1153
13.5 - 14.4	-	1.4	12.3	9.0	5.4	0.6	0.2	0.1	-	-	-	-	-	-	-	29.0	1211
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.3	3.0	3.2	1.5	0.5	0.1	0.1	-	-	-	-	-	-	-	8.8	367
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	0.6	0.6	0.5	-	-	-	-	-	-	-	-	-	-	1.7	70
TOTAL %	0.0	9.4	44.3	32.1	11.9	1.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	391	1851	1342	498	72	15	9	0	0	0	0	0	0	0		4178

(* < 0.05%)

STATION: 46051

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	12
4.5 - 5.4	0.1	0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.8	52
5.5 - 6.4	0.1	0.2	1.9	0.1	-	-	-	-	-	-	-	-	-	-	-	2.3	144
6.5 - 7.4	0.1	0.7	3.5	0.9	*	-	-	-	-	-	-	-	-	-	-	5.2	325

TOTAL %	0.0	23.6	56.7	17.3	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	963	2316	707	96	4	0	0	0	0	0	0	0	0		4086

(* < 0.05%)

STATION: 46051

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	1
4.5 - 5.4	-	1.0	3.2	0.3	-	-	-	-	-	-	-	-	-	-	-	4.6	66
5.5 - 6.4	-	1.9	9.7	3.2	0.1	-	-	-	-	-	-	-	-	-	-	14.9	216
6.5 - 7.4	-	5.0	15.2	8.4	1.2	0.1	-	-	-	-	-	-	-	-	-	29.9	433
7.5 - 8.4	-	5.3	15.3	5.5	2.8	0.3	-	-	-	-	-	-	-	-	-	29.1	422
8.5 - 9.4	-	2.1	8.4	3.5	1.3	0.9	-	-	-	-	-	-	-	-	-	16.3	236
9.5 - 10.4	-	0.2	1.5	1.7	1.0	0.1	-	-	-	-	-	-	-	-	-	4.5	65
10.5 - 11.4	-	-	0.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	0.6	9
TOTAL %	0.0	15.6	53.5	23.1	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	226	775	334	93	20	0	0	0	0	0	0	0	0		1448	

(* < 0.05%)

STATION: 46051

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

Month: FEB

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
4.5 - 5.4	-	0.2	1.4	0.2	-	-	-	-	-	-	-	-	-	-	-	1.8	23
5.5 - 6.4	-	0.4	4.5	2.8	-	-	-	-	-	-	-	-	-	-	-	7.7	100
6.5 - 7.4	-	0.9	8.2	5.9	0.2	-	-	-	-	-	-	-	-	-	-	15.2	197
7.5 - 8.4	-	0.2	10.6	15.9	2.2	-	-	-	-	-	-	-	-	-	-	28.8	375
8.5 - 9.4	-	0.6	6.4	13.1	5.9	0.2	-	-	-	-	-	-	-	-	-	26.2	341
9.5 - 10.4	-	1.4	3.5	3.8	2.4	0.5	-	-	-	-	-	-	-	-	-	11.5	150
10.5 - 11.4	-	0.9	2.7	0.9	1.0	-	-	-	-	-	-	-	-	-	-	5.5	72
11.5 - 12.4	-	-	2.3	-	0.1	-	-	-	-	-	-	-	-	-	-	2.4	31
12.5 - 13.4	-	-	0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	0.7	9
13.5 - 14.4	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	1
TOTAL %	0.0	4.7	39.9	43.0	11.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	61	519	559	152	9	0	0	0	0	0	0	0	0		1300	

(* < 0.05%)

STATION: 46051

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	2.2	1.9	-	-	-	-	-	-	-	-	-	-	-	-	4.1	79
5.5 - 6.4	-	3.7	9.2	4.1	0.1	-	-	-	-	-	-	-	-	-	-	17.1	329
6.5 - 7.4	-	3.1	11.8	7.9	0.8	-	-	-	-	-	-	-	-	-	-	23.6	455
7.5 - 8.4	-	2.6	11.6	5.9	1.1	-	-	-	-	-	-	-	-	-	-	21.2	408
8.5 - 9.4	-	0.9	8.8	6.6	2.3	0.4	0.2	-	-	-	-	-	-	-	-	19.2	370
9.5 - 10.4	-	0.7	4.0	4.0	1.7	0.1	-	0.1	-	-	-	-	-	-	-	10.6	204
10.5 - 11.4	-	0.1	1.3	0.9	0.9	-	-	-	-	-	-	-	-	-	-	3.3	63
11.5 - 12.4	-	-	0.2	0.1	0.5	0.1	-	-	-	-	-	-	-	-	-	0.7	14
12.5 - 13.4	-	-	-	-	0.3	-	-	-	-	-	-	-	-	-	-	0.3	5
TOTAL %	0.0	13.2	48.9	29.5	7.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	0	255	942	568	148	10	3	1	0	0	0	0	0	0		1927	

(* < 0.05%)

STATION: 46051

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

Month: APR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	3
4.5 - 5.4	-	1.9	4.3	0.1	-	-	-	-	-	-	-	-	-	-	-	6.3	135
5.5 - 6.4	-	2.9	14.6	5.8	0.1	-	-	-	-	-	-	-	-	-	-	23.4	500
6.5 - 7.4	-	3.2	11.9	16.9	6.2	-	-	-	-	-	-	-	-	-	-	38.1	816
7.5 - 8.4	-	1.5	4.3	7.5	6.3	0.1	-	-	-	-	-	-	-	-	-	19.6	420
8.5 - 9.4	-	1.3	1.3	2.1	2.4	0.4	-	-	-	-	-	-	-	-	-	7.5	160
9.5 - 10.4	-	0.5	0.4	1.2	0.3	0.2	-	-	-	-	-	-	-	-	-	2.5	54
10.5 - 11.4	-	-	0.3	1.3	0.1	-	-	-	-	-	-	-	-	-	-	1.7	36
11.5 - 12.4	-	-	*	0.4	*	0.2	-	-	-	-	-	-	-	-	-	0.7	15
TOTAL %	0.0	11.5	37.1	35.2	15.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	245	793	752	330	19	0	0	0	0	0	0	0	0	0		2139

(* < 0.05%)

STATION: 46051

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

Month: MAY

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	12
4.5 - 5.4	0.5	6.4	3.1	-	-	-	-	-	-	-	-	-	-	-	-	10.0	220
5.5 - 6.4	0.6	9.1	16.6	3.3	-	-	-	-	-	-	-	-	-	-	-	29.5	649
6.5 - 7.4	0.3	9.0	13.4	9.6	2.0	-	-	-	-	-	-	-	-	-	-	34.3	753
7.5 - 8.4	-	4.2	9.3	4.5	1.6	0.4	-	-	-	-	-	-	-	-	-	20.0	439
8.5 - 9.4	-	1.3	2.5	0.4	0.3	-	-	-	-	-	-	-	-	-	-	4.5	99
9.5 - 10.4	-	0.6	0.3	*	-	-	-	-	-	-	-	-	-	-	-	1.0	21
10.5 - 11.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	3
TOTAL %	1.9	30.9	45.2	17.7	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	41	680	993	390	86	8	0	0	0	0	0	0	0	0	0		2198

(* < 0.05%)

STATION: 46051

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	3.2	2.7	0.1	-	-	-	-	-	-	-	-	-	-	-	6.0	128
5.5 - 6.4	-	6.0	24.4	7.4	-	-	-	-	-	-	-	-	-	-	-	37.8	801
6.5 - 7.4	-	7.8	19.4	12.0	0.6	-	-	-	-	-	-	-	-	-	-	39.8	844
7.5 - 8.4	-	7.4	6.0	0.7	-	-	-	-	-	-	-	-	-	-	-	14.1	299
8.5 - 9.4	-	1.7	0.4	*	-	-	-	-	-	-	-	-	-	-	-	2.1	45
9.5 - 10.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2
TOTAL %	0.0	26.1	53.0	20.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	554	1124	428	13	0	0	0	0	0	0	0	0	0	0		2119

(* < 0.05%)

STATION: 46051

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	3.2	2.7	0.1	-	-	-	-	-	-	-	-	-	-	-	6.0	128
5.5 - 6.4	-	6.0	24.4	7.4	-	-	-	-	-	-	-	-	-	-	-	37.8	801
6.5 - 7.4	-	7.8	19.4	12.0	0.6	-	-	-	-	-	-	-	-	-	-	39.8	844
7.5 - 8.4	-	7.4	6.0	0.7	-	-	-	-	-	-	-	-	-	-	-	14.1	299
8.5 - 9.4	-	1.7	0.4	*	-	-	-	-	-	-	-	-	-	-	-	2.1	45
9.5 - 10.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2
TOTAL %	0.0	26.1	53.0	20.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	554	1124	428	13	0	0	0	0	0	0	0	0	0	0		2119

(* < 0.05%)

TOTAL N 0 320 818 272 66 2 0 0 0 0 0 0 0 0 0 1478
 (* < 0.05%)

STATION: 46051

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	0
4.5 - 5.4	-	0.8	1.9	-	-	-	-	-	-	-	-	-	-	-	-	2.7	31
5.5 - 6.4	-	4.7	11.9	1.4	-	-	-	-	-	-	-	-	-	-	-	18.0	204
6.5 - 7.4	-	4.8	18.9	10.1	0.6	-	-	-	-	-	-	-	-	-	-	34.4	391
7.5 - 8.4	-	3.9	13.5	9.2	0.4	-	-	-	-	-	-	-	-	-	-	26.8	305
8.5 - 9.4	-	2.4	3.7	3.6	1.4	0.1	-	-	-	-	-	-	-	-	-	11.2	127
9.5 - 10.4	-	0.4	1.3	2.5	0.3	0.1	-	-	-	-	-	-	-	-	-	4.6	52
10.5 - 11.4	-	-	0.9	0.6	-	-	-	-	-	-	-	-	-	-	-	1.5	17
11.5 - 12.4	-	-	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	0.5	6
12.5 - 13.4	-	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-	0.3	3
TOTAL %	0.0	16.9	52.6	27.7	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	192	597	315	30	2	0	0	0	0	0	0	0	0	0		1136

STATION: 46051

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	0.9	4.3	-	-	-	-	-	-	-	-	-	-	-	-	5.2	74
5.5 - 6.4	-	1.6	9.0	1.1	-	-	-	-	-	-	-	-	-	-	-	11.7	168
6.5 - 7.4	-	1.3	9.4	4.6	0.9	-	-	-	-	-	-	-	-	-	-	16.3	233
7.5 - 8.4	-	1.4	7.9	10.9	4.9	0.2	-	-	-	-	-	-	-	-	-	25.3	362
8.5 - 9.4	-	1.8	4.5	7.3	5.9	1.7	-	-	-	-	-	-	-	-	-	21.2	303
9.5 - 10.4	-	0.2	2.9	4.7	2.9	0.5	0.3	-	-	-	-	-	-	-	-	11.5	165
10.5 - 11.4	-	-	0.6	2.2	2.2	0.5	0.3	-	-	-	-	-	-	-	-	5.8	83
11.5 - 12.4	-	-	0.3	0.5	0.8	0.1	0.3	0.5	-	-	-	-	-	-	-	2.5	36
12.5 - 13.4	-	-	-	0.1	0.1	-	-	0.1	-	-	-	-	-	-	-	0.4	6
TOTAL %	0.0	7.3	39.0	31.4	17.7	3.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	104	557	449	253	43	15	9	0	0	0	0	0	0	0		1430

STATION: 46051

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

All Months: Annual

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	3
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	19
4.5 - 5.4	0.1	4.9	3.6	0.1	-	-	-	-	-	-	-	-	-	-	-	8.7	1730
5.5 - 6.4	0.1	5.8	17.6	3.2	*	-	-	-	-	-	-	-	-	-	-	26.8	5326
6.5 - 7.4	*	5.2	14.3	7.7	1.4	*	-	-	-	-	-	-	-	-	-	28.6	5701
7.5 - 8.4	-	3.5	9.0	5.2	1.7	0.1	-	-	-	-	-	-	-	-	-	19.4	3866
8.5 - 9.4	-	1.2	3.8	3.0	1.6	0.3	*	-	-	-	-	-	-	-	-	9.9	1980
9.5 - 10.4	-	0.4	1.4	1.6	0.7	0.1	*	*	-	-	-	-	-	-	-	4.1	824
10.5 - 11.4	-	0.1	0.5	0.6	0.3	*	*	-	-	-	-	-	-	-	-	1.6	318
11.5 - 12.4	-	-	0.2	0.1	0.1	*	*	*	-	-	-	-	-	-	-	0.6	111
12.5 - 13.4	-	-	*	*	*	-	-	*	-	-	-	-	-	-	-	0.1	23
13.5 - 14.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.2	21.2	50.4	21.6	5.9	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	42	4211	10040	4297	1171	113	18	10	0	0	0	0	0	0	0		19902

(* < 0.05%)

STATION: 46051

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
4.5 - 5.4	-	0.7	3.0	0.2	-	-	-	-	-	-	-	-	-	-	-	3.9	163
5.5 - 6.4	-	1.3	7.9	2.4	*	-	-	-	-	-	-	-	-	-	-	11.6	484
6.5 - 7.4	-	2.5	11.0	6.3	0.8	*	-	-	-	-	-	-	-	-	-	20.7	863
7.5 - 8.4	-	2.4	11.3	10.6	3.3	0.2	-	-	-	-	-	-	-	-	-	27.7	1159
8.5 - 9.4	-	1.6	6.4	7.8	4.3	1.0	-	-	-	-	-	-	-	-	-	21.1	880
9.5 - 10.4	-	0.6	2.6	3.4	2.1	0.4	0.1	-	-	-	-	-	-	-	-	9.1	380
10.5 - 11.4	-	0.3	1.1	1.2	1.1	0.2	0.1	-	-	-	-	-	-	-	-	3.9	164
11.5 - 12.4	-	-	0.8	0.2	0.3	*	0.1	0.2	-	-	-	-	-	-	-	1.6	67
12.5 - 13.4	-	-	0.1	0.1	*	-	-	*	-	-	-	-	-	-	-	0.4	15
13.5 - 14.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	9.4	44.3	32.1	11.9	1.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	391	1851	1342	498	72	15	9	0	0	0	0	0	0	0		4178

(* < 0.05%)

STATION: 46051

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	15
4.5 - 5.4	0.2	3.6	3.2	*	-	-	-	-	-	-	-	-	-	-	-	6.9	434
5.5 - 6.4	0.2	5.3	13.6	4.4	*	-	-	-	-	-	-	-	-	-	-	23.6	1478
6.5 - 7.4	0.1	5.2	12.4	11.6	3.0	-	-	-	-	-	-	-	-	-	-	32.3	2024
7.5 - 8.4	-	2.8	8.3	5.9	3.1	0.2	-	-	-	-	-	-	-	-	-	20.2	1267
8.5 - 9.4	-	1.2	4.0	2.9	1.6	0.3	*	-	-	-	-	-	-	-	-	10.0	629
9.5 - 10.4	-	0.6	1.5	1.7	0.6	0.1	-	*	-	-	-	-	-	-	-	4.5	279
10.5 - 11.4	-	0.1	0.5	0.7	0.3	-	-	-	-	-	-	-	-	-	-	1.6	102
11.5 - 12.4	-	-	0.1	0.2	0.2	0.1	-	-	-	-	-	-	-	-	-	0.5	29
12.5 - 13.4	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	0.1	5
TOTAL %	0.7	18.8	43.6	27.3	9.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	41	1180	2728	1710	564	37	3	1	0	0	0	0	0	0	0		6264

(* < 0.05%)

STATION: 46051

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
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	-	9.7	3.9	*	-	-	-	-	-	-	-	-	-	-	-	13.6	731
5.5 - 6.4	-	8.5	30.4	4.0	-	-	-	-	-	-	-	-	-	-	-	42.9	2305
6.5 - 7.4	-	7.1	17.3	5.3	0.2	-	-	-	-	-	-	-	-	-	-	30.0	1611
7.5 - 8.4	-	5.1	5.5	0.4	-	-	-	-	-	-	-	-	-	-	-	11.0	591
8.5 - 9.4	-	0.9	1.4	0.2	-	-	-	-	-	-	-	-	-	-	-	2.5	133
9.5 - 10.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	31.2	58.5	10.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	1677	3145	538	13	0	0	0	0	0	0	0	0	0	0		5374

(* < 0.05%)

STATION: 46051

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

Months: SEP, OCT, NOV (Autumn)

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

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	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
4.5 - 5.4	-	5.2	4.7	-	-	-	-	-	-	-	-	-	-	-	-	9.8	402
5.5 - 6.4	-	7.7	17.0	1.2	-	-	-	-	-	-	-	-	-	-	-	25.9	1059
6.5 - 7.4	-	5.6	16.5	6.5	0.8	-	-	-	-	-	-	-	-	-	-	29.4	1203
7.5 - 8.4	-	3.5	12.1	4.7	0.4	-	-	-	-	-	-	-	-	-	-	20.8	849
8.5 - 9.4	-	1.2	4.1	2.2	0.7	*	-	-	-	-	-	-	-	-	-	8.3	338
9.5 - 10.4	-	0.3	1.7	1.6	0.3	0.1	-	-	-	-	-	-	-	-	-	4.0	163
10.5 - 11.4	-	-	0.5	0.8	-	-	-	-	-	-	-	-	-	-	-	1.3	52
11.5 - 12.4	-	-	0.1	0.2	*	-	-	-	-	-	-	-	-	-	-	0.4	15
12.5 - 13.4	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	3
TOTAL %	0.0	23.6	56.7	17.3	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	963	2316	707	96	4	0	0	0	0	0	0	0	0	0		4086

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: JAN

WAVE PERIOD	MEAN WAVE 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					
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	0.2	3
4.5 - 5.4	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	0.4	6
5.5 - 6.4	-	-	-	-	0.9	0.2	0.1	-	-	-	0.3	0.1	-	-	-	1.7	24
6.5 - 7.4	-	-	-	-	0.6	-	0.1	0.1	-	-	0.9	0.3	-	-	-	2.0	29
7.5 - 8.4	-	-	-	-	-	0.3	0.6	0.9	0.7	1.0	4.0	0.1	-	-	-	7.5	109
8.5 - 9.4	-	-	-	-	-	-	-	0.1	0.5	0.9	4.4	-	-	-	-	5.9	85
9.5 - 10.4	-	-	-	-	-	-	-	-	0.5	1.6	9.5	0.1	-	-	-	11.7	170
10.5 - 11.4	-	-	-	-	-	-	-	-	1.2	2.1	12.4	0.5	-	-	-	16.2	234
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	0.9	9.1	17.3	0.2	-	-	-	27.5	398
13.5 - 14.4	-	-	-	-	-	-	-	-	0.2	0.4	6.7	13.7	-	-	-	21.1	305
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	0.1	-	0.1	-	1.4	3.4	0.1	-	-	-	5.0	72
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	0.3	0.6	-	-	-	-	0.9	13
TOTAL %	0.0	0.0	0.0	0.0	2.1	0.6	0.7	1.4	4.1	23.1	66.6	1.4	-	-	-	100.0	
TOTAL N	0	0	0	0	31	8	10	20	60	335	964	20	-	-	-		1448

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: FEB

WAVE PERIOD	MEAN WAVE 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					
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	2
4.5 - 5.4	-	-	-	-	0.3	0.1	0.1	-	-	-	-	-	-	-	-	0.5	6
5.5 - 6.4	-	-	-	-	1.5	-	0.2	-	-	-	-	-	-	-	-	1.7	22
6.5 - 7.4	-	-	-	-	0.4	0.2	-	-	0.2	-	-	-	-	-	-	0.8	10
7.5 - 8.4	-	-	-	-	-	0.1	0.7	0.2	-	0.8	0.3	-	-	-	-	2.2	28
8.5 - 9.4	-	-	-	-	-	-	0.2	0.4	0.3	0.8	1.4	-	-	-	-	3.1	40
9.5 - 10.4	-	-	-	-	-	-	0.1	0.2	0.4	1.3	2.0	0.2	-	-	-	4.1	53
10.5 - 11.4	-	-	-	-	-	-	-	-	1.1	5.6	6.5	1.0	-	-	-	14.2	184
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	0.8	11.7	12.5	1.4	-	-	-	26.3	342
13.5 - 14.4	-	-	-	-	-	-	-	-	1.2	15.6	15.7	0.6	-	-	-	33.2	431
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	0.1	5.0	7.6	0.1	-	-	-	12.8	166
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	0.5	0.8	-	-	-	-	1.2	16
TOTAL %	0.0	0.0	0.0	0.0	2.2	0.5	1.2	0.8	4.0	41.4	46.7	3.2	-	-	-	100.0	
TOTAL N	0	0	0	0	29	6	16	10	52	538	607	42	-	-	-		1300

3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.3	7
4.5 - 5.4	-	-	-	-	-	-	-	*	0.3	-	0.7	0.3	1.4	30
5.5 - 6.4	-	-	-	-	-	-	-	-	0.2	-	1.4	1.3	2.9	63
6.5 - 7.4	-	-	-	-	-	-	-	-	0.1	0.2	5.5	3.6	9.5	208
7.5 - 8.4	-	-	-	-	-	-	-	-	0.6	1.1	7.0	4.4	13.2	290
8.5 - 9.4	-	-	-	-	-	-	-	-	-	1.3	7.6	3.7	12.6	277
9.5 - 10.4	*	-	-	-	-	-	-	-	*	1.4	10.3	5.2	17.0	374
10.5 - 11.4	-	-	-	-	-	-	-	0.1	0.1	2.0	7.8	1.9	12.0	263
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	0.7	2.3	0.7	3.7	5.4	0.2	13.0	286	
13.5 - 14.4	-	-	-	-	-	1.7	3.5	1.3	2.0	2.5	-	11.0	242	
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	1.5	3.1	0.7	0.1	0.8	-	6.2	136	
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	0.2	0.1	0.1	0.1	0.4	-	0.9	20	
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.1	4.3	12.1	49.5	20.8	100.0	
TOTAL N	1	0	0	0	0	0	89	201	94	267	1088	458		2198

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: JUN

WAVE PERIOD	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	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	0
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.3	-	0.3	7
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	2.1	0.9	3.0	64
6.5 - 7.4	-	-	-	-	-	-	-	-	0.1	5.4	1.9	-	7.4	157
7.5 - 8.4	-	-	-	-	-	-	-	-	0.1	17.3	7.5	-	24.9	527
8.5 - 9.4	-	-	-	-	-	-	-	-	0.7	14.8	11.0	-	26.5	561
9.5 - 10.4	-	-	-	-	-	-	-	-	0.8	10.0	9.6	-	20.4	433
10.5 - 11.4	-	-	-	-	-	0.1	-	*	0.8	1.8	0.9	-	3.7	78
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	0.8	1.2	0.1	0.8	0.8	-	-	3.8	81
13.5 - 14.4	-	-	-	-	-	3.8	2.3	0.4	0.2	0.1	-	-	6.9	146
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	1.4	1.4	0.2	-	-	-	-	3.0	63
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	0.1	-	-	-	-	0.1	2
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	6.2	5.0	0.8	3.7	52.7	31.8	100.0	
TOTAL N	0	0	0	0	0	0	131	105	16	78	1116	673		2119

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: JUL

WAVE PERIOD	MEAN WAVE 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		
< 0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	1
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	-	-	-	-	-	-	-	-	-	0.3	0.1	-	0.4	7
5.5 - 6.4	-	-	-	-	-	-	-	-	-	2.5	1.2	-	3.8	65
6.5 - 7.4	-	-	-	-	-	-	-	-	-	3.6	2.8	-	6.4	111
7.5 - 8.4	-	-	-	-	-	-	-	-	0.1	10.2	5.1	-	15.4	266
8.5 - 9.4	0.1	-	-	-	-	-	-	0.1	0.1	0.8	9.6	9.1	19.7	341
9.5 - 10.4	-	-	-	-	-	0.2	0.5	0.3	0.6	10.9	5.1	-	17.6	304
10.5 - 11.4	-	-	-	-	-	0.1	1.5	0.6	-	0.4	3.2	0.5	6.4	110
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	1.5	1.4	0.2	0.3	1.3	-	-	4.8	83
13.5 - 14.4	0.1	-	-	-	-	0.1	6.4	5.9	0.3	0.3	0.3	0.1	13.4	232
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	3.6	5.3	0.3	0.1	-	-	-	9.4	162
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	0.1	0.9	1.7	0.2	-	-	0.1	2.8	49

TOTAL %	0.2	0.0	0.0	0.0	0.0	0.2	14.0	15.5	1.5	2.7	41.9	24.0	100.0	
TOTAL N	3	0	0	0	0	3	242	269	26	46	726	416		1731

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: AUG

WAVE PERIOD	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	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	1
4.5 - 5.4	-	-	-	-	-	-	-	-	0.1	2.2	0.5	-	2.8	43
5.5 - 6.4	-	-	-	-	-	-	-	-	-	3.0	1.1	-	4.0	61
6.5 - 7.4	-	-	-	-	-	-	-	-	-	7.0	4.2	-	11.2	170
7.5 - 8.4	-	-	-	-	-	-	-	-	0.1	19.5	13.9	-	33.5	510
8.5 - 9.4	-	-	-	-	-	-	-	-	0.1	11.8	5.4	-	17.4	265
9.5 - 10.4	-	-	-	-	-	-	-	-	0.3	5.1	2.8	-	8.3	126
10.5 - 11.4	-	-	-	-	-	-	-	0.1	-	0.3	3.6	0.9	4.9	74
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	0.1	0.2	0.4	0.4	-	1.1	16
13.5 - 14.4	-	0.1	-	-	0.1	0.1	4.5	5.3	0.8	0.2	-	-	11.0	168
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	0.1	-	-	1.2	3.4	0.7	0.3	0.1	-	5.8	89
TOTAL %	0.0	0.1	0.0	0.1	0.1	0.1	5.8	8.9	1.7	1.8	52.7	28.9	100.0	
TOTAL N	0	1	0	1	1	1	88	135	26	28	802	440		1523

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: SEP

WAVE PERIOD	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	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	1
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.1	1.0	1.4	2.5	37
5.5 - 6.4	-	-	-	-	-	-	-	-	-	2.2	4.3	-	6.5	96
6.5 - 7.4	-	-	-	-	-	-	-	-	-	1.3	2.9	-	4.2	62
7.5 - 8.4	-	-	-	-	-	-	-	-	-	10.4	5.8	-	16.2	238
8.5 - 9.4	-	-	-	-	-	-	-	-	0.3	7.3	3.1	-	10.7	157
9.5 - 10.4	-	-	-	-	-	-	-	0.2	0.6	1.3	11.9	3.7	17.7	261
10.5 - 11.4	-	-	-	-	-	0.1	0.2	0.9	0.6	0.7	8.0	2.0	12.4	183
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	0.3	0.3	0.7	1.9	3.5	0.9	7.7	113
13.5 - 14.4	-	-	-	-	-	-	3.1	5.0	1.5	4.6	3.5	0.3	17.9	264
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	0.3	0.6	0.5	0.7	1.0	0.1	3.2	47
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	0.7	0.1	0.1	0.1	-	0.9	13
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.1	3.9	7.7	4.1	9.5	50.2	24.5	100.0	
TOTAL N	0	0	0	0	0	1	58	114	60	140	739	360		1472

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: OCT

WAVE PERIOD	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	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	0
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.7	0.5	1.3	19
5.5 - 6.4	-	-	-	-	-	-	-	-	-	2.6	2.8	-	5.4	80
6.5 - 7.4	-	0.1	-	-	-	-	-	-	-	3.5	1.8	-	5.3	79
7.5 - 8.4	-	-	-	-	-	-	-	-	0.1	0.1	3.0	2.4	5.6	83
8.5 - 9.4	0.1	-	-	-	-	-	-	-	0.2	0.3	3.2	2.1	5.9	87

9.5 - 10.4	-	-	-	-	-	-	-	0.1	-	0.5	4.7	2.4	7.7	114
10.5 - 11.4	-	-	-	-	-	-	0.1	0.2	0.4	2.0	9.9	1.3	13.9	205
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	0.3	0.1	4.9	17.0	1.0	23.4	346
13.5 - 14.4	-	-	-	-	-	-	0.7	4.0	0.9	4.1	12.6	0.4	22.8	337
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	1.1	1.9	-	1.0	3.2	-	7.2	107
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	0.2	1.2	-	1.4	21
TOTAL %	0.1	0.1	0.0	0.0	0.0	0.0	1.9	6.5	1.8	13.2	61.8	14.7	100.0	
TOTAL N	1	1	0	0	0	0	28	96	26	195	913	218		1478

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: NOV

WAVE PERIOD	MEAN WAVE 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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	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	0
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	1
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	3.2	0.9	4.0	46
6.5 - 7.4	-	-	-	-	-	-	-	-	-	-	2.9	0.9	3.8	43
7.5 - 8.4	-	-	-	-	-	-	-	-	-	-	2.8	0.5	3.3	38
8.5 - 9.4	-	-	-	-	-	-	-	-	0.3	6.7	1.0	-	7.9	90
9.5 - 10.4	-	-	-	-	-	-	-	-	0.7	9.1	1.3	-	11.1	126
10.5 - 11.4	-	-	-	-	-	-	-	-	-	3.5	11.6	0.8	15.9	181
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	0.2	0.4	3.2	20.7	1.5	26.0	295
13.5 - 14.4	-	-	-	-	-	-	-	-	-	1.8	15.7	1.5	19.0	216
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	0.1	-	-	-	0.2	0.4	0.9	6.5	0.7	8.7	99
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	1
TOTAL %	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.8	10.4	79.2	9.2	100.0	
TOTAL N	0	0	0	1	0	0	0	4	9	118	900	104		1136

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: DEC

WAVE PERIOD	MEAN WAVE 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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	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	1
4.5 - 5.4	-	-	-	-	-	0.1	-	0.2	-	-	0.1	0.8	1.2	17
5.5 - 6.4	-	-	-	-	-	0.1	-	-	0.1	-	1.7	2.0	4.0	57
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.1	1.0	0.6	1.6	23
7.5 - 8.4	-	-	-	-	-	-	-	-	-	0.1	1.1	0.1	1.4	20
8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	1.5	0.8	2.4	34
9.5 - 10.4	-	-	-	-	-	-	-	-	-	0.6	4.6	1.6	6.9	98
10.5 - 11.4	-	-	-	-	-	-	-	-	-	0.8	7.3	0.3	8.5	122
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	4.2	22.7	2.0	28.9	413
13.5 - 14.4	-	-	-	-	-	-	-	-	0.2	8.5	23.6	0.9	33.2	475
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	0.1	-	1.8	7.1	0.1	9.0	129
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	0.5	2.4	-	2.9	41
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	16.6	73.2	9.2	100.0	
TOTAL N	0	0	0	0	0	4	0	4	5	238	1047	132		1430

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

All Months: Annual

WAVE PERIOD	MEAN WAVE 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		
< 0.5	*	-	-	-	-	-	-	-	-	*	-	-	0.0	3
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	*	*	-	-	-	*	*	-	0.1	20
4.5 - 5.4	-	-	-	-	0.1	*	*	*	*	*	0.5	0.3	1.0	195
5.5 - 6.4	-	-	-	-	0.2	*	*	-	*	-	1.7	1.4	3.3	659
6.5 - 7.4	-	*	-	-	0.1	*	*	*	*	0.1	3.1	1.7	5.1	1009
7.5 - 8.4	-	-	-	-	-	*	0.1	0.2	0.2	0.4	7.2	3.7	11.7	2330
8.5 - 9.4	*	-	-	-	-	-	*	0.1	0.1	0.5	6.4	3.4	10.5	2097
9.5 - 10.4	*	-	-	-	-	-	*	0.1	0.2	1.1	7.5	3.0	11.8	2358
10.5 - 11.4	-	-	-	-	-	*	0.2	0.2	0.3	2.1	7.5	0.8	11.1	2203
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	0.3	0.6	0.4	4.4	10.6	0.5	16.8	3343
13.5 - 14.4	*	*	-	-	*	*	1.8	2.7	1.0	4.9	9.2	0.3	19.8	3947
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	*	-	-	*	-	*	0.8	1.6	0.3	1.3	3.2	0.1	7.4	1472
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	*	0.1	0.2	*	0.3	0.7	*	1.3	264
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	-	-	-	-	-	-	*	-	-	0.0	1
TOTAL %	0.0	0.0	0.0	0.0	0.3	0.1	3.4	5.6	2.6	15.1	57.6	15.2	100.0	
TOTAL N	6	2	0	2	62	26	681	1107	512	3013	11457	3033		19901

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	0.1	*	-	-	-	-	-	-	0.1	6
4.5 - 5.4	-	-	-	-	0.2	*	*	0.1	-	-	*	0.3	0.7	29
5.5 - 6.4	-	-	-	-	0.8	0.1	0.1	-	*	-	0.7	0.7	2.5	103
6.5 - 7.4	-	-	-	-	0.3	0.1	*	*	*	*	0.6	0.3	1.5	62
7.5 - 8.4	-	-	-	-	-	0.1	0.4	0.4	0.2	0.7	1.9	0.1	3.8	157
8.5 - 9.4	-	-	-	-	-	-	*	0.1	0.3	0.6	2.5	0.3	3.8	159
9.5 - 10.4	-	-	-	-	-	-	*	*	0.3	1.2	5.5	0.6	7.7	321
10.5 - 11.4	-	-	-	-	-	-	-	-	0.7	2.8	8.8	0.6	12.9	540
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	0.6	8.2	17.6	1.2	27.6	1153
13.5 - 14.4	-	-	-	-	-	-	-	0.1	0.6	10.1	17.7	0.5	29.0	1211
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	*	-	*	*	2.7	6.0	0.1	8.8	367
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	0.4	1.2	-	1.7	70
TOTAL %	0.0	0.0	0.0	0.0	1.4	0.4	0.6	0.8	2.8	26.6	62.7	4.6	100.0	
TOTAL N	0	0	0	0	60	18	26	34	117	1111	2618	194		4178

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	-	-	*	-	-	0.0	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	*	*	-	-	-	*	0.1	-	0.2	12
4.5 - 5.4	-	-	-	-	-	*	*	*	0.1	-	0.4	0.2	0.8	52
5.5 - 6.4	-	-	-	-	-	-	0.1	-	0.1	-	1.1	1.1	2.3	144
6.5 - 7.4	-	-	-	-	-	-	*	*	*	0.2	3.3	1.5	5.2	325
7.5 - 8.4	-	-	-	-	-	-	*	0.3	0.4	0.7	4.5	2.3	8.2	511

8.5 - 9.4	-	-	-	-	-	-	-	0.1	*	0.6	4.4	1.8	7.0	437
9.5 - 10.4	*	-	-	-	-	-	-	-	0.1	1.5	7.0	2.1	10.7	673
10.5 - 11.4	-	-	-	-	-	-	-	*	0.1	3.1	9.4	0.7	13.3	832
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	0.2	0.8	0.5	5.8	12.5	0.1	20.1	1256
13.5 - 14.4	-	-	-	-	-	-	0.7	2.6	1.8	6.3	10.5	*	21.9	1373
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	*	-	-	-	-	-	0.6	1.6	0.5	1.8	4.0	-	8.6	538
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	0.1	*	*	0.6	0.9	-	1.7	108
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	-	-	-	-	-	-	*	-	-	0.0	1
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.6	3.7	20.7	58.2	10.0	100.0	
TOTAL N	2	0	0	0	1	3	108	350	232	1297	3643	628		6264

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	MEAN WAVE 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
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
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	-	-	-	-	-	-	-	-	-	*	0.8	0.2	1.1	57
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	2.5	1.0	3.5	190
6.5 - 7.4	-	-	-	-	-	-	-	-	-	*	5.3	2.8	8.2	438
7.5 - 8.4	-	-	-	-	-	-	-	-	0.1	15.6	8.5	24.3	1303	
8.5 - 9.4	*	-	-	-	-	-	-	*	*	0.6	12.3	8.8	21.7	1167
9.5 - 10.4	-	-	-	-	-	-	0.1	0.2	0.1	0.6	8.9	6.2	16.1	863
10.5 - 11.4	-	-	-	-	-	*	0.5	0.2	*	0.5	2.8	0.8	4.9	262
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	0.8	0.9	0.2	0.6	0.8	-	3.4	180
13.5 - 14.4	*	*	-	-	*	*	4.8	4.3	0.5	0.3	0.2	*	10.2	546
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	*	-	-	2.1	3.2	0.4	0.1	*	-	5.8	314
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	*	0.3	0.6	0.1	-	-	*	0.9	51
TOTAL %	0.1	0.0	0.0	0.0	0.0	0.1	8.6	9.5	1.3	2.8	49.2	28.5	100.0	
TOTAL N	3	1	0	1	1	4	461	509	68	152	2644	1529		5373

(* < 0.05%)

STATION: 46051

7 - PERCENT FREQUENCY OF DOMINANT WAVE PERIOD(SECONDS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	MEAN WAVE 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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	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	0.7	1.4	57
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	2.6	2.8	5.4	222
6.5 - 7.4	-	*	-	-	-	-	-	-	-	-	2.5	1.9	4.5	184
7.5 - 8.4	-	-	-	-	-	-	-	-	*	*	5.6	3.1	8.8	359
8.5 - 9.4	*	-	-	-	-	-	-	-	0.1	0.3	5.7	2.1	8.2	334
9.5 - 10.4	-	-	-	-	-	-	-	0.1	0.2	0.9	8.5	2.6	12.3	501
10.5 - 11.4	-	-	-	-	-	*	0.1	0.4	0.4	2.0	9.7	1.4	13.9	569
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	0.1	0.3	0.4	3.4	13.1	1.1	18.5	754
13.5 - 14.4	-	-	-	-	-	-	1.4	3.3	0.9	3.6	10.2	0.7	20.0	817
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	*	-	-	0.5	1.0	0.3	0.9	3.3	0.2	6.2	253
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	0.2	*	0.1	0.5	-	0.9	35
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.2	2.3	11.1	62.5	16.7	100.0	
TOTAL N	1	1	0	1	0	1	86	214	95	453	2552	682		4086

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: JAN

MEAN WAVE DIRECTION

WAVE HEIGHT	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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	0.1	0.1	-	0.3	0.2	2.3	12.5	0.1	15.6	226
1.5 - 2.4	-	-	-	-	0.9	0.2	0.6	1.0	1.2	16.2	32.4	1.0	53.5	775
2.5 - 3.4	-	-	-	-	1.1	0.3	0.1	0.1	1.4	3.2	16.6	0.3	23.1	334
3.5 - 4.4	-	-	-	-	0.1	-	-	-	1.2	0.9	4.3	-	6.4	93
4.5 - 5.4	-	-	-	-	-	-	-	-	0.1	0.5	0.8	-	1.4	20
TOTAL %	0.0	0.0	0.0	0.0	2.1	0.6	0.7	1.4	4.1	23.1	66.6	1.4	100.0	
TOTAL N	0	0	0	0	31	8	10	20	60	335	964	20		1448

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: FEB

MEAN WAVE DIRECTION

WAVE HEIGHT	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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	0.1	-	-	0.4	3.3	0.9	-	4.7	61
1.5 - 2.4	-	-	-	-	1.2	-	0.5	-	1.5	19.5	16.5	0.7	39.9	519
2.5 - 3.4	-	-	-	-	1.0	0.4	0.8	0.8	1.8	14.5	21.8	2.0	43.0	559
3.5 - 4.4	-	-	-	-	-	-	-	-	0.2	4.1	6.8	0.5	11.7	152
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.1	0.6	-	0.7	9
TOTAL %	0.0	0.0	0.0	0.0	2.2	0.5	1.2	0.8	4.0	41.4	46.7	3.2	100.0	
TOTAL N	0	0	0	0	29	6	16	10	52	538	607	42		1300

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: MAR

MEAN WAVE DIRECTION

WAVE HEIGHT	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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	0.2	1.8	9.0	2.0	0.3	13.2	255
1.5 - 2.4	0.1	-	-	-	-	-	0.6	2.3	1.6	21.6	21.5	1.2	48.9	942
2.5 - 3.4	-	-	-	-	-	-	0.2	0.4	0.1	6.9	20.3	1.6	29.5	568
3.5 - 4.4	-	-	-	-	-	-	-	-	-	2.1	5.6	-	7.7	148
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.1	0.5	-	0.5	10
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	0.2	-	0.2	3
6.5 - 7.4	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	1
TOTAL %	0.1	0.0	0.0	0.0	0.0	0.0	0.7	2.9	3.5	39.6	50.2	3.0	100.0	
TOTAL N	1	0	0	0	0	0	14	56	67	764	967	58		1927

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: APR

MEAN WAVE DIRECTION

WAVE HEIGHT	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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	*	0.1	0.2	2.9	2.2	3.2	2.4	0.3	11.5	245
1.5 - 2.4	-	-	-	-	-	-	-	1.4	1.1	6.5	25.6	2.5	37.1	793
2.5 - 3.4	-	-	-	-	-	-	-	-	*	2.4	31.2	1.5	35.2	752
3.5 - 4.4	-	-	-	-	-	-	-	-	-	0.3	14.2	0.9	15.4	330
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.9	-	0.9	19
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.1	0.2	4.3	3.3	12.4	74.2	5.2	100.0	
TOTAL N	0	0	0	0	1	3	5	93	71	266	1588	112		2139

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: MAY

MEAN WAVE DIRECTION

WAVE HEIGHT	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
< 0.5	-	-	-	-	-	-	-	*	0.5	0.6	0.7	*	1.9	41

0.5 - 1.4	-	-	-	-	-	-	-	1.9	7.6	3.3	6.6	9.5	2.1	30.9	680
1.5 - 2.4	*	-	-	-	-	-	-	2.1	1.5	0.5	4.5	23.7	12.7	45.2	993
2.5 - 3.4	-	-	-	-	-	-	-	*	*	-	0.2	12.0	5.5	17.7	390
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	0.2	3.2	0.5	3.9	86
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	-	0.4	-	0.4	8
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.1	4.3	12.1	49.5	20.8	100.0	
TOTAL N	1	0	0	0	0	0	0	89	201	94	267	1088	458		2198

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: JUN

WAVE HEIGHT	MEAN WAVE 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			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	5.9	4.9	0.6	2.3	9.5	3.0	-	26.1	554
1.5 - 2.4	-	-	-	-	-	-	0.3	0.1	0.1	1.4	32.6	18.5	-	53.0	1124
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	10.4	9.8	-	20.2	428
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	0.2	0.4	-	0.6	13
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	6.2	5.0	0.8	3.7	52.7	31.8	-	100.0	
TOTAL N	0	0	0	0	0	0	131	105	16	78	1116	673	-		2119

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: JUL

WAVE HEIGHT	MEAN WAVE 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			
< 0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
0.5 - 1.4	0.1	-	-	-	-	0.1	7.9	7.4	0.7	1.4	15.4	5.5	-	38.5	666
1.5 - 2.4	0.1	-	-	-	-	0.1	6.0	7.9	0.8	1.2	24.8	16.8	-	57.6	997
2.5 - 3.4	-	-	-	-	-	-	0.1	0.3	-	-	1.7	1.7	-	3.9	67
TOTAL %	0.2	0.0	0.0	0.0	0.0	0.2	14.0	15.5	1.5	2.7	41.9	24.0	-	100.0	
TOTAL N	3	0	0	0	0	3	242	269	26	46	726	416	-		1731

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: AUG

WAVE HEIGHT	MEAN WAVE 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			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	0.1	0.1	3.7	4.5	0.5	1.1	15.4	4.7	-	30.0	457
1.5 - 2.4	-	0.1	-	0.1	-	-	2.0	4.3	1.2	0.8	35.1	23.6	-	67.2	1023
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	2.2	0.6	-	2.8	43
TOTAL %	0.0	0.1	0.0	0.1	0.1	0.1	5.8	8.9	1.7	1.8	52.7	28.9	-	100.0	
TOTAL N	0	1	0	1	1	1	88	135	26	28	802	440	-		1523

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: SEP

WAVE HEIGHT	MEAN WAVE 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			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	2.1	5.4	2.9	4.8	11.1	4.4	-	30.6	451
1.5 - 2.4	-	-	-	-	-	0.1	1.8	2.4	1.2	4.8	34.4	16.5	-	61.2	901
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	4.6	3.5	-	8.2	120
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.1	3.9	7.7	4.1	9.5	50.2	24.5	-	100.0	
TOTAL N	0	0	0	0	0	1	58	114	60	140	739	360	-		1472

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: OCT

WAVE HEIGHT	MEAN WAVE 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			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	0.1	-	-	-	-	-	1.0	3.7	1.0	3.9	9.9	2.1	-	21.7	320

1.5 - 2.4	-	0.1	-	-	-	-	-	0.9	2.8	0.6	7.9	34.5	8.5	55.3	818
2.5 - 3.4	-	-	-	-	-	-	-	-	-	0.1	1.4	13.7	3.2	18.4	272
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	3.5	0.9	4.5	66
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	2
TOTAL %	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.9	6.5	1.8	13.2	61.8	14.7	100.0	
TOTAL N	1	1	0	0	0	0	0	28	96	26	195	913	218		1478

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: NOV

WAVE HEIGHT	MEAN WAVE 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	
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	0.1	-	-	-	0.4	0.6	5.8	9.0	1.1	16.9	192	
1.5 - 2.4	-	-	-	-	-	-	-	0.2	4.3	41.9	6.2	52.6	597		
2.5 - 3.4	-	-	-	-	-	-	-	-	0.2	25.6	1.9	27.7	315		
3.5 - 4.4	-	-	-	-	-	-	-	-	0.1	2.6	-	2.6	30		
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.2	-	0.2	2		
TOTAL %	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.8	10.4	79.2	9.2	100.0		
TOTAL N	0	0	0	1	0	0	0	4	9	118	900	104		1136	

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Month: DEC

WAVE HEIGHT	MEAN WAVE 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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	3.0	3.8	0.5	7.3	104
1.5 - 2.4	-	-	-	-	-	0.3	-	0.3	0.3	4.9	25.6	7.6	39.0	557
2.5 - 3.4	-	-	-	-	-	-	-	-	-	4.4	25.9	1.1	31.4	449
3.5 - 4.4	-	-	-	-	-	-	-	-	-	1.8	15.8	0.1	17.7	253
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.9	2.1	-	3.0	43
5.5 - 6.4	-	-	-	-	-	-	-	-	-	1.0	0.1	-	1.0	15
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.6	-	-	0.6	9
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	16.6	73.2	9.2	100.0	
TOTAL N	0	0	0	0	0	4	0	4	5	238	1047	132		1430

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

All Months: Annual

WAVE HEIGHT	MEAN WAVE 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
< 0.5	*	-	-	-	-	-	-	*	0.1	0.1	0.1	*	0.2	42
0.5 - 1.4	*	-	-	*	*	*	2.1	3.4	1.3	4.0	8.4	2.0	21.2	4211
1.5 - 2.4	*	*	-	*	0.1	*	1.3	2.0	0.9	7.6	28.5	9.9	50.4	10039
2.5 - 3.4	-	-	-	-	0.1	*	0.1	0.1	0.2	2.6	15.4	3.0	21.6	4297
3.5 - 4.4	-	-	-	-	*	-	-	-	0.1	0.7	4.7	0.3	5.9	1171
4.5 - 5.4	-	-	-	-	-	-	-	-	*	0.1	0.4	-	0.6	113
5.5 - 6.4	-	-	-	-	-	-	-	-	-	0.1	*	-	0.1	18
6.5 - 7.4	-	-	-	-	-	-	-	-	-	*	*	-	0.1	10
TOTAL %	0.0	0.0	0.0	0.0	0.3	0.1	3.4	5.6	2.6	15.1	57.6	15.2	100.0	
TOTAL N	6	2	0	2	62	26	681	1107	512	3013	11457	3033		19901

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: DEC, JAN, FEB (Winter)

WAVE HEIGHT	MEAN WAVE 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
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	*	*	-	0.1	0.2	2.9	5.9	0.2	9.4	391
1.5 - 2.4	-	-	-	-	0.7	0.2	0.4	0.5	1.0	13.3	25.1	3.1	44.3	1851
2.5 - 3.4	-	-	-	-	0.7	0.2	0.3	0.3	1.1	7.1	21.4	1.1	32.1	1342
3.5 - 4.4	-	-	-	-	*	-	-	-	0.5	2.2	9.0	0.2	11.9	498
4.5 - 5.4	-	-	-	-	-	-	-	-	*	0.5	1.2	-	1.7	72
5.5 - 6.4	-	-	-	-	-	-	-	-	-	0.3	*	-	0.4	15
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.2	-	-	0.2	9
TOTAL %	0.0	0.0	0.0	0.0	1.4	0.4	0.6	0.8	2.8	26.6	62.7	4.6	100.0	

TOTAL N 0 0 0 0 60 18 26 34 117 1111 2618 194 4178
 (* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: MAR, APR, MAY (Spring)

WAVE HEIGHT	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	*	0.2	0.2	0.2	*	0.7	41
0.5 - 1.4	-	-	-	-	*	*	0.7	3.7	2.4	6.2	4.8	0.9	18.8	1180
1.5 - 2.4	*	-	-	-	-	-	0.9	1.7	1.1	10.5	23.7	5.7	43.6	2728
2.5 - 3.4	-	-	-	-	-	-	0.1	0.1	*	3.0	21.1	2.9	27.3	1710
3.5 - 4.4	-	-	-	-	-	-	-	-	-	0.8	7.7	0.5	9.0	564
4.5 - 5.4	-	-	-	-	-	-	-	-	-	*	0.6	-	0.6	37
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	*	-	0.0	3
6.5 - 7.4	-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.6	3.7	20.7	58.2	10.0	100.0	
TOTAL N	2	0	0	0	1	3	108	350	232	1297	3643	628		6264

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: JUN, JUL, AUG (Summer)

WAVE HEIGHT	MEAN WAVE 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		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	*	-	-	-	*	0.1	5.9	5.6	0.6	1.7	13.1	4.3	31.2	1677
1.5 - 2.4	*	*	-	*	-	*	2.6	3.8	0.7	1.2	30.8	19.4	58.5	3144
2.5 - 3.4	-	-	-	-	-	-	*	0.1	-	-	5.3	4.6	10.0	538
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.2	13
TOTAL %	0.1	0.0	0.0	0.0	0.0	0.1	8.6	9.5	1.3	2.8	49.2	28.5	100.0	
TOTAL N	3	1	0	1	1	4	461	509	68	152	2644	1529		5373

(* < 0.05%)

STATION: 46051

8 - PERCENT FREQUENCY OF SIGNIFICANT WAVE HEIGHT(METERS) VS MEAN WAVE DIRECTION(TENS OF DEGREES)

Months: SEP, OCT, NOV (Autumn)

WAVE HEIGHT	MEAN WAVE 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		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	*	-	-	*	-	-	1.1	3.4	1.6	4.7	10.1	2.6	23.6	963
1.5 - 2.4	-	*	-	-	-	*	1.0	1.9	0.7	5.8	36.5	10.7	56.7	2316
2.5 - 3.4	-	-	-	-	-	-	-	-	*	0.6	13.7	3.0	17.3	707
3.5 - 4.4	-	-	-	-	-	-	-	-	-	*	2.0	0.3	2.3	96
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	4
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.2	2.3	11.1	62.5	16.7	100.0	
TOTAL N	1	1	0	1	0	1	86	214	95	453	2552	682		4086

(* < 0.05%)

Summary complete: 09-Sep-2003 05:54:23