

STATION: 45003

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (5/1980 - 11/2001) (112538 RECORDS, 99.2% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
25	-	-	-	-	-	-	-	-	-	-	-	-	1	#	3	#	-	-	-	-	-	-	-	-	-	4	#	
24	-	-	-	-	-	-	-	-	-	-	-	-	7	999	30	999	3	#	-	-	-	-	-	-	-	40	999	
23	-	-	-	-	-	-	-	-	-	-	-	-	51	999	200	998	43	999	-	-	-	-	-	-	-	294	999	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	217	996	647	986	128	997	-	-	-	-	-	-	992	997	
21	-	-	-	-	-	-	-	-	-	-	-	10	#	636	982	1404	945	240	989	-	-	-	-	-	-	2290	988	
20	-	-	-	-	-	-	-	-	-	-	18	999	967	941	2139	858	671	974	-	-	-	-	-	-	-	3795	968	
19	-	-	-	-	-	-	-	-	-	-	51	998	1193	878	2886	725	976	931	-	-	-	-	-	-	-	5106	934	
18	-	-	-	-	-	-	-	-	1	#	129	995	1631	800	2943	545	1364	869	3	#	-	-	-	-	-	6071	889	
17	-	-	-	-	-	-	-	-	3	999	255	986	1775	694	2224	362	1518	782	23	999	-	-	-	-	-	5398	835	
16	-	-	-	-	-	-	-	-	2	999	344	970	1788	579	1508	224	1855	685	131	998	-	-	-	-	-	5628	783	
15	-	-	-	-	-	-	-	-	7	999	323	947	1600	462	985	130	1811	567	366	990	-	-	-	-	-	5092	733	
14	-	-	-	-	-	-	-	-	13	999	475	926	1267	358	680	69	1691	451	579	967	-	-	-	-	-	4705	688	
13	-	-	-	-	-	-	-	-	13	998	622	895	943	276	258	26	1659	343	954	930	13	#	-	-	-	4462	646	
12	-	-	-	-	-	-	-	-	41	997	687	854	811	214	103	10	1271	238	1459	869	79	999	-	-	-	4451	607	
11	-	-	-	-	-	-	-	-	101	995	756	809	673	162	39	4	886	156	1641	776	223	991	-	-	-	4319	567	
10	-	-	-	-	-	1	#	213	988	998	760	619	118	16	1	588	100	1941	672	339	969	-	-	-	4715	529		
9	-	-	-	-	-	5	999	340	974	1437	694	564	78	6	*	389	62	2052	548	565	935	-	-	-	5358	487		
8	-	-	-	-	-	27	999	778	951	1984	600	394	41	-	-	240	38	1748	418	707	880	5	#	5883	439			
7	-	-	-	-	-	113	996	1481	900	2689	470	198	15	-	-	180	22	1387	306	792	810	11	994	6851	387			
6	-	-	-	-	2	#	330	981	2610	802	2592	294	34	2	-	-	111	11	1088	218	883	732	2	981	7652	326		
5	-	-	-	-	17	996	911	939	3775	629	1498	124	2	*	-	-	44	4	917	149	995	644	18	979	8177	258		
4	-	-	-	-	71	964	1565	823	3461	379	380	26	-	-	-	-	16	1	702	90	976	546	37	958	7208	185		
3	-	-	-	-	99	830	1741	622	1639	150	23	2	-	-	-	-	-	-	358	46	928	450	43	915	4831	121		
2	-	-	-	-	88	643	1464	399	523	41	-	-	-	-	-	-	-	-	240	23	886	358	65	865	3266	78		
1	-	-	-	-	38	477	758	212	94	7	-	-	-	-	-	-	-	-	75	8	782	271	77	789	1824	49		
0	-	-	-	-	73	406	313	115	8	1	-	-	-	-	-	-	-	-	44	3	508	193	60	699	1006	33		
-1	-	-	-	-	46	268	239	75	-	-	-	-	-	-	-	-	-	-	1	*	475	143	84	629	845	24		
-2	-	-	-	-	40	181	170	45	-	-	-	-	-	-	-	-	-	-	-	-	359	96	87	531	656	17		
-3	-	-	-	-	17	106	86	23	-	-	-	-	-	-	-	-	-	-	-	-	231	61	69	429	403	11		
-4	-	-	-	-	23	74	41	12	-	-	-	-	-	-	-	-	-	-	-	-	158	38	57	349	279	7		
-5	-	-	-	-	9	30	12	7	-	-	-	-	-	-	-	-	-	-	-	-	104	23	44	282	169	5		
-6	-	-	-	-	7	13	8	5	-	-	-	-	-	-	-	-	-	-	-	-	44	12	71	231	130	3		
-7	-	-	-	-	-	-	12	4	-	-	-	-	-	-	-	-	-	-	-	-	43	8	27	148	82	2		
-8	-	-	-	-	-	-	10	2	-	-	-	-	-	-	-	-	-	-	-	-	33	4	16	117	59	1		
-9	-	-	-	-	-	-	8	1	-	-	-	-	-	-	-	-	-	-	-	-	4	*	14	98	26	1		
-10	-	-	-	-	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	82	15	1	
-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	65	36	*
-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	23	13	*
-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	8	7	*
-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	-	-	-	-	1.0	2.7	5.1	8.6	15.4	18.1	14.7	8.9	3.8	-2.2	10.4													
S.D.	-	-	-	-	2.5	2.1	1.8	3.3	3.6	2.2	3.3	3.1	3.9	4.4	6.1													
TOTAL	-	-	-	-	530	7815	15103	15271	15371	16071	15684	15709	10127	857	112538													
MAX	-	-	-	-	5.8	9.5	18.4	21.3	24.6	24.9	23.6	17.9	12.9	7.9	24.9													
DATE	-	-	-	-	1987032521	1985042202	1995053123	1995062522	1988073000	2001080818	1983090600	1983100302	1999110201	1982120107	2001080818													
MIN	-	-	-	-	-6.1	-9.8	0.1	2.6	5.3	8.8	3.6	-0.5	-8.6	-13.2	-13.2													
DATE	-	-	-	-	1987033116	1995040416	1997051709	1982060405	1982070113	1982082816	1991092915	1996103114	1989112907	1989120318	1989120318													

(* < 0.05% , # = 100.0%)

STATION: 45003

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (5/1980 - 11/2001) (112166 RECORDS, 98.9% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
23	-	-	-	-	-	-	-	-	-	-	-	-	2	#	28	#	-	-	-	-	-	-	-	-	-	-	30	#
22	-	-	-	-	-	-	-	-	-	-	-	-	27	999	390	998	45	#	-	-	-	-	-	-	-	-	462	999
21	-	-	-	-	-	-	-	-	-	-	-	-	290	998	1087	974	207	997	-	-	-	-	-	-	-	-	1584	996
20	-	-	-	-	-	-	-	-	-	-	5	#	853	979	2288	906	588	984	-	-	-	-	-	-	-	-	3734	981
19	-	-	-	-	-	-	-	-	-	-	6	999	864	924	2644	764	1365	946	-	-	-	-	-	-	-	-	4879	948
18	-	-	-	-	-	-	-	-	-	-	18	999	1310	868	3821	599	1971	859	-	-	-	-	-	-	-	-	7120	905
17	-	-	-	-	-	-	-	-	-	-	80	998	1379	782	2267	361	2031	734	-	-	-	-	-	-	-	-	5757	841
16	-	-	-	-	-	-	-	-	-	-	132	993	1560	693	1432	220	1930	604	36	#	-	-	-	-	-	-	5090	790
15	-	-	-	-	-	-	-	-	-	-	228	984	1676	591	1100	131	2426	481	379	998	-	-	-	-	-	-	5809	745
14	-	-	-	-	-	-	-	-	-	-	238	969	1362	482	740	63	1541	326	830	973	-	-	-	-	-	-	4711	693
13	-	-	-	-	-	-	-	-	-	-	433	953	1044	394	199	17	1561	228	1452	920	-	-	-	-	-	-	4689	651
12	-	-	-	-	-	-	-	-	-	-	446	925	769	326	45	4	1067	128	2577	826	44	#	-	-	-	-	4948	609

11	-	-	-	-	-	-	-	-	-	429	895	707	276	22	1	605	60	2324	660	404	996	-	-	4491	565		
10	-	-	-	-	-	-	-	-	4	#	458	867	557	230	-	-	235	22	2821	510	336	956	-	-	4411	525	
9	-	-	-	-	-	-	-	-	13	999	573	837	613	194	-	-	64	7	2432	329	1153	922	-	-	4848	485	
8	-	-	-	-	-	-	-	-	22	999	635	799	632	154	-	-	17	3	1454	172	1776	808	-	-	4536	442	
7	-	-	-	-	-	-	-	1	#	134	997	515	757	398	113	-	-	13	1	555	78	2658	633	15	#	4289	402
6	-	-	-	-	-	-	-	-	197	989	376	723	378	87	-	-	10	1	291	42	2303	370	87	982	3642	364	
5	-	-	-	-	-	-	-	1	999	198	975	697	698	318	63	-	-	-	366	24	1434	142	750	880	3764	331	
4	-	-	-	-	-	-	-	60	999	2122	962	3876	652	453	42	-	-	-	-	-	-	-	-	-	-	6511	298
3	-	-	-	-	236	#	2429	992	5259	822	5617	397	191	12	-	-	-	-	-	-	-	-	-	-	-	13732	239
2	-	-	-	-	280	543	3697	680	6779	473	398	26	-	-	-	-	-	-	-	-	-	-	-	-	-	11154	117
1	-	-	-	-	-	-	1606	206	364	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1970	18
0	-	-	-	-	-	-	1	*	4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	*
MEAN	-	-	-	2.5	2.0	2.7	5.5	13.7	17.9	15.6	10.4	7.1	5.0	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	-	-	-	0.2	0.7	1.0	3.6	4.4	2.0	2.6	2.2	1.5	0.4	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	516	7795	15096	15160	15383	16063	15676	15517	10108	852	112166	-	-	-	-	-	-	-	-	-	-	-	-	-
MAX	-	-	-	3.1	6.5	10.1	20.3	23.4	23.2	21.9	15.9	11.7	7.1	23.6	-	-	-	-	-	-	-	-	-	-	-	-	-
DATE	-	-	-	1987032119	1996040923	1998052419	1995062522	1991072310	1993081819	1999090319	2001100219	2000110121	1982120114	1991072310	-	-	-	-	-	-	-	-	-	-	-	-	-
MIN	-	-	-	2.0	0.2	0.0	1.9	3.1	10.8	5.5	4.6	4.6	4.5	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
DATE	-	-	-	1995033114	1996042907	1996050705	1982060411	1982070102	1982082819	1991093023	1989101210	1981113020	1983121415	1996050705	-	-	-	-	-	-	-	-	-	-	-	-	-

(* < 0.05% , # = 100.0%)

STATION: 45003

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (5/1980 - 11/2001) (112017 RECORDS, 98.8% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN				
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
15	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
14	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
13	-	-	-	-	-	-	-	-	1	999	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	
12	-	-	-	-	-	-	-	-	2	999	3	999	1	#	-	-	-	-	-	-	-	-	-	-	-	-	6	999	
11	-	-	-	-	-	-	-	-	4	999	9	999	3	999	-	-	-	-	-	-	-	-	-	-	-	-	16	999	
10	-	-	-	-	-	-	-	-	17	999	21	999	4	999	-	-	-	-	-	-	-	-	-	-	-	-	42	999	
9	-	-	-	-	-	-	-	-	22	998	70	998	13	999	-	-	-	-	-	-	-	-	-	-	-	-	105	999	
8	-	-	-	-	-	-	1	#	45	997	123	993	46	999	-	-	-	-	-	-	-	-	-	-	-	-	215	998	
7	-	-	-	-	-	-	5	999	105	994	300	985	109	996	-	-	-	-	-	-	-	-	-	-	-	-	519	997	
6	-	-	-	-	-	-	32	999	315	987	717	965	223	989	1	#	3	#	7	#	-	-	-	-	-	-	1298	992	
5	-	-	-	-	-	-	103	995	802	966	1622	917	523	974	8	999	26	999	37	999	3	#	-	-	-	-	3124	980	
4	-	-	-	-	-	-	284	982	1706	913	2954	810	1166	940	56	999	114	998	122	997	19	999	-	-	-	-	6421	952	
3	-	-	-	-	6	#	624	945	3485	800	3886	614	1776	864	291	996	406	991	488	989	109	998	-	-	-	-	11071	895	
2	-	-	-	-	32	988	1513	865	4849	568	3367	357	3033	748	1709	978	1341	965	1203	958	446	987	1	#	17494	796			
1	-	-	-	-	76	926	2198	671	3011	247	1647	134	5098	551	4966	871	2925	879	2152	880	847	943	9	999	22929	640			
0	-	-	-	-	113	779	1448	389	559	47	338	25	2544	218	4868	562	3343	693	2425	742	974	859	24	988	16636	435			
-1	-	-	-	-	54	559	660	203	106	10	38	3	573	52	2465	259	2340	479	2212	585	991	763	36	960	9475	287			
-2	-	-	-	-	77	454	368	118	39	3	1	*	158	15	1052	106	1703	330	1761	443	1066	665	33	918	6258	202			
-3	-	-	-	-	46	305	204	71	4	*	-	-	73	5	424	40	1175	221	1468	329	1093	559	67	879	4554	146			
-4	-	-	-	-	34	216	152	44	-	-	-	-	1	*	142	14	1003	147	1317	235	1011	451	66	800	3726	106			
-5	-	-	-	-	31	150	106	25	-	-	-	-	-	-	57	5	630	83	1006	150	874	351	77	723	2781	73			
-6	-	-	-	-	23	89	32	11	-	-	-	-	-	-	17	1	378	42	651	85	686	264	79	632	1866	48			
-7	-	-	-	-	13	45	13	7	-	-	-	-	-	-	3	*	145	18	373	43	614	197	101	539	1262	31			
-8	-	-	-	-	7	19	11	5	-	-	-	-	-	-	-	-	104	9	159	19	502	136	64	421	847	20			
-9	-	-	-	-	3	6	8	4	-	-	-	-	-	-	-	-	34	2	86	9	362	86	57	345	550	12			
-10	-	-	-	-	-	-	13	3	-	-	-	-	-	-	-	-	2	*	39	3	251	50	45	278	350	7			
-11	-	-	-	-	-	-	9	1	-	-	-	-	-	-	-	-	-	-	7	*	115	26	74	226	205	4			
-12	-	-	-	-	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	80	14	19	139	100	2			
-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	6	16	116	50	1			
-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	3	18	98	41	1			
-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	22	76	28	1			
-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	51	24	*
-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	22	13	*
-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	6	*
MEAN	-	-	-	-1.5	0.6	2.4	3.2	1.6	0.2	-0.9	-1.4	-3.3	-7.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S.D.	-	-	-	2.5	2.0	1.5	1.6	1.6	1.3	2.3	2.7	3.4	4.2	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	-	-	-	515	7785	15073	15099	15344	16059	15672	15513	10106	851	112017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MAX	-	-	-	3.1	8.0	14.9	13.5	11.5	5.9	6.3	5.7	4.7	1.6	14.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DATE	-	-	-	1987032521	1985042202	1995053123	1988061520	1997070301	1992080203	1982090600	1989101202	1985112004	1985120204	1995053123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MIN	-	-	-	-8.5	-11.9	-2.8	-1.6	-3.5	-6.6	-10.0	-11.2	-15.0	-18.0	-18.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DATE	-	-	-	1987033116	1995040416	1983050914	1999062905	1991072310	1998081814	1989092307	1999100614	1987112107	1989120318	1989120318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

(* < 0.05% , # = 100.0%)

STATION: 45003

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (4/1983 - 11/1984) (6757 RECORDS, 6.0% HAVE ELEMENT)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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STATION: 45003

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (5/1980 - 11/2001) (112682 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		
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	1	#	
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	2	999	
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	#	9	999	-	-	-	-	11	999	
35	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	1	999	-	-	5	999	-	-	-	-	7	999	
34	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	3	999	2	999	13	998	-	-	-	-	20	999	
33	-	-	-	-	-	-	1	999	1	#	-	-	-	-	-	7	999	25	999	14	997	-	-	-	-	48	999	
32	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	10	999	33	998	12	996	1	#	-	-	59	999	
31	-	-	-	-	-	-	12	999	1	999	1	#	1	#	-	-	8	999	33	996	32	994	1	999	89	999		
30	-	-	-	-	-	-	11	998	-	-	-	-	1	999	-	-	22	998	50	994	37	991	3	998	124	998		
29	-	-	-	-	-	-	16	996	1	999	1	999	2	999	1	#	29	997	56	991	55	988	2	994	163	997		
28	-	-	-	-	-	-	36	994	1	999	1	999	-	-	7	999	40	995	69	987	92	982	4	992	250	995		
27	-	-	-	-	-	-	35	990	2	999	1	999	7	999	14	999	55	992	104	983	133	973	7	987	358	993		
26	-	-	-	-	-	-	44	985	10	999	2	999	10	999	11	999	70	989	148	976	173	960	11	979	479	990		
25	-	-	-	-	1	#	69	979	14	999	5	999	11	999	23	998	64	984	174	967	227	943	24	966	612	986		
24	-	-	-	-	-	-	59	971	21	998	11	999	9	998	31	997	83	980	189	956	215	921	19	938	637	980		
23	-	-	-	-	12	998	72	963	46	997	17	999	17	997	81	995	139	975	314	944	301	899	32	916	1031	975		
22	-	-	-	-	-	-	74	954	55	994	21	997	25	996	66	990	196	966	386	924	297	870	26	879	1146	965		
21	-	-	-	-	11	976	109	944	79	990	40	996	43	995	117	985	258	954	473	899	445	840	38	848	1613	955		
20	-	-	-	-	-	-	146	930	114	985	44	993	47	992	111	978	338	937	429	869	372	797	30	804	1631	941		
19	-	-	-	-	12	955	224	912	198	977	57	991	92	989	230	971	488	916	706	842	561	760	50	769	2618	927		
18	-	-	-	-	10	933	233	883	184	964	116	987	119	983	246	957	538	885	726	797	632	704	54	711	2858	903		
17	-	-	-	-	3	914	209	853	234	952	116	979	139	975	288	942	568	850	699	751	517	642	52	648	2825	878		
16	-	-	-	-	27	909	324	827	300	936	219	972	192	966	436	924	661	814	849	706	668	591	86	587	3762	853		
15	-	-	-	-	4	858	290	785	380	917	238	957	247	954	445	897	648	772	795	652	506	525	47	487	3600	819		
14	-	-	-	-	35	851	390	748	515	891	390	942	456	938	732	869	904	731	983	602	673	475	39	432	5117	788		
13	-	-	-	-	3	786	367	698	563	857	475	917	473	908	723	823	908	673	783	539	521	409	42	387	4858	742		
12	-	-	-	-	51	780	533	651	850	820	815	886	919	877	1135	778	1248	615	1181	489	703	358	58	338	7493	699		
11	-	-	-	-	1	685	439	583	819	764	763	832	891	818	927	708	996	536	849	414	398	288	49	270	6132	632		
10	-	-	-	-	57	683	543	527	1009	710	1167	783	1155	760	1208	650	1192	472	1026	360	477	249	40	213	7874	578		
9	-	-	-	-	1	577	479	458	1072	643	1170	706	1142	685	1041	575	977	396	712	295	348	202	23	167	6965	508		
8	-	-	-	-	86	575	639	396	1406	572	1515	630	1559	610	1365	510	1123	334	832	249	387	168	29	140	8941	446		
7	-	-	-	-	17	415	490	315	1399	479	1638	531	1420	509	1222	425	837	262	624	197	277	129	19	106	7943	367		
6	-	-	-	-	69	384	538	252	1701	387	2000	424	1705	417	1392	349	889	209	669	157	303	102	14	84	9280	297		
5	-	-	-	-	7	255	466	183	1467	274	1707	294	1535	306	1324	263	794	152	573	114	205	72	24	68	8102	214		
4	-	-	-	-	69	242	368	124	1252	177	1273	183	1298	207	1036	180	640	102	470	78	208	52	13	40	6627	142		
3	-	-	-	-	2	114	227	77	603	94	638	100	718	122	697	116	385	61	267	48	111	31	5	24	3653	83		
2	-	-	-	-	33	110	218	48	474	54	489	58	650	76	632	72	346	37	248	31	109	21	11	19	3210	51		
1	-	-	-	-	1	48	75	20	170	23	200	26	221	33	259	33	134	14	119	15	59	10	3	6	1241	23		
0	-	-	-	-	25	47	80	10	178	12	201	13	294	19	271	17	93	6	118	8	40	4	2	2	1302	12		
MEAN	-	-	-	-	8.8	10.9	8.5	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.9	11.3	13.1	13.1	13.1	15.0	15.2	10.2						
S.D.	-	-	-	-	5.4	6.0	4.5	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.9	5.6	6.3	6.3	6.3	6.5	6.0	5.7						
TOTAL	-	-	-	-	537	7822	15119	15331	15398	16071	15693	15715	15715	15715	15715	15715	15715	15715	15715	15715	15715	15715	15715	15715	15715	15715	15715	
MAX	-	-	-	-	25.3	34.8	33.0	31.1	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	
DATE	-	-	-	-	1987033111	1995040410	1988051314	1999062911	2001070116	1988081508	1992092901	2001102609	1989112022	1980120222	1989112022	1980120222	1989112022	1980120222	1989112022	1980120222	1989112022	1980120222	1989112022	1980120222	1989112022	1980120222	1989112022	
MIN	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DATE	-	-	-	-	1987033000	1999042822	1999052716	2001061010	2000072415	2000080117	1997090110	1998102510	1999110803	1983121310	2001061010													

(* < 0.05% , # = 100.0%)

STATION: 45003

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: (5/1980 - 11/2001) (112409 RECORDS, 99.1% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	1	#
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	#	1	999	-	-	-	3	999
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	2	999
46	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	4	999	-	-	-	5	999
45	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	2	999	3	999	1	#	-	7	999
44	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	2	999	6	999	1	999	-	11	999

43	-	-	-	-	-	-	2	999	-	-	1	#	-	-	-	-	4	#	7	999	4	998	3	998	21	999	
42	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	-	2	999	11	999	12	998	1	994	29	999	
41	-	-	-	-	-	-	2	999	2	#	-	-	-	-	-	-	9	999	20	999	13	997	2	993	48	999	
40	-	-	-	-	-	-	5	999	-	-	-	-	1	#	-	-	8	999	25	997	18	995	1	991	58	999	
39	-	-	-	-	-	-	7	998	-	-	-	-	-	-	1	999	6	999	30	996	35	994	3	989	82	998	
38	-	-	-	-	-	-	11	997	1	999	-	-	1	999	-	-	15	998	28	994	35	990	4	986	95	998	
37	-	-	-	-	-	-	13	996	1	999	1	999	2	999	-	-	19	997	45	992	55	987	5	981	141	997	
36	-	-	-	-	-	-	16	994	1	999	-	-	1	999	1	999	27	996	58	989	58	981	4	975	166	996	
35	-	-	-	-	-	-	15	992	1	999	-	-	-	-	3	999	28	994	63	985	82	976	5	971	197	994	
34	-	-	-	-	-	-	29	990	2	999	2	999	4	999	4	999	31	992	65	981	105	967	6	965	248	992	
33	-	-	-	-	-	-	38	986	6	999	4	999	5	999	12	999	62	990	129	977	188	957	9	958	453	990	
32	-	-	-	-	-	-	29	981	4	999	-	-	8	999	14	999	44	987	121	969	155	939	9	947	384	986	
31	-	-	-	-	1	#	47	978	15	999	6	999	7	999	21	998	60	984	161	961	214	923	14	937	546	983	
30	-	-	-	-	-	-	45	972	18	998	6	999	7	998	15	996	81	980	163	951	203	902	15	920	553	978	
29	-	-	-	-	5	998	44	966	30	997	14	999	11	998	40	996	113	975	220	941	262	882	31	903	770	973	
28	-	-	-	-	-	-	62	960	29	995	7	998	17	997	34	993	112	968	262	927	243	856	20	866	786	966	
27	-	-	-	-	13	988	74	952	39	993	17	997	19	996	78	991	190	960	322	910	353	832	32	843	1137	959	
26	-	-	-	-	-	-	87	943	68	990	21	996	39	995	81	986	221	948	440	890	389	797	31	805	1377	949	
25	-	-	-	-	11	962	122	932	65	986	34	995	45	992	118	981	263	934	418	861	359	759	37	769	1472	937	
24	-	-	-	-	-	-	111	916	99	981	30	993	49	989	116	974	301	917	429	835	385	723	24	725	1544	924	
23	-	-	-	-	4	940	137	902	114	975	44	991	62	986	184	966	392	898	534	808	491	685	46	697	2008	910	
22	-	-	-	-	-	-	152	884	146	967	52	988	81	982	188	955	428	873	522	774	394	637	43	643	2006	892	
21	-	-	-	-	7	932	191	865	170	957	121	984	110	977	244	943	498	846	625	740	455	598	58	593	2479	874	
20	-	-	-	-	3	918	172	840	203	946	116	976	109	969	273	928	498	814	587	701	382	553	46	525	2389	852	
19	-	-	-	-	20	913	292	818	290	933	185	969	212	962	413	911	723	782	862	663	584	515	45	471	3626	831	
18	-	-	-	-	28	873	266	781	319	914	236	957	225	949	463	885	695	736	750	608	544	457	41	418	3567	799	
17	-	-	-	-	1	817	284	746	366	892	253	941	250	934	512	857	621	692	635	560	403	403	46	370	3371	767	
16	-	-	-	-	24	815	367	710	460	868	391	925	423	918	711	825	820	652	801	520	518	363	34	316	4549	737	
15	-	-	-	-	2	767	306	663	530	838	397	899	476	890	618	780	766	600	646	469	338	312	39	276	4118	696	
14	-	-	-	-	43	763	369	624	539	802	539	873	653	859	845	742	911	551	878	428	431	279	38	230	5246	660	
13	-	-	-	-	1	678	352	576	619	767	580	838	665	817	741	689	773	493	672	372	256	236	24	185	4683	613	
12	-	-	-	-	48	676	494	531	950	726	946	800	1105	774	1135	643	1120	444	916	329	436	211	25	157	7175	571	
11	-	-	-	-	2	581	410	468	836	663	934	738	905	702	863	572	789	372	573	271	243	168	18	128	5573	508	
10	-	-	-	-	76	577	445	415	1062	607	1194	677	1212	643	1121	519	907	322	696	234	321	144	17	107	7051	458	
9	-	-	-	-	14	425	467	358	1089	537	1128	598	1211	564	978	449	677	264	513	190	197	112	11	87	6285	395	
8	-	-	-	-	55	398	504	298	1341	464	1648	524	1410	485	1193	388	750	221	554	157	226	93	22	74	7703	339	
7	-	-	-	-	7	288	374	233	1287	375	1539	417	1238	393	952	314	588	173	400	122	171	70	9	48	6565	271	
6	-	-	-	-	62	274	415	185	1381	290	1674	316	1397	313	1074	254	648	135	474	97	150	53	9	38	7284	212	
5	-	-	-	-	3	151	353	132	1257	199	1323	206	1244	222	1009	187	522	94	353	66	143	38	11	27	6218	148	
4	-	-	-	-	38	145	304	87	915	115	874	119	999	141	802	125	430	61	300	44	112	24	7	14	4781	92	
3	-	-	-	-	-	-	169	48	403	54	452	62	520	76	527	75	249	33	154	25	57	13	2	6	2533	50	
2	-	-	-	-	24	70	118	26	269	28	312	33	420	42	405	42	187	17	152	15	51	8	1	4	1939	27	
1	-	-	-	-	-	-	44	11	62	10	93	12	78	15	117	17	40	5	34	5	15	3	1	2	484	10	
0	-	-	-	-	11	22	40	5	87	6	92	6	153	10	149	9	46	3	50	3	11	1	1	1	640	6	
MEAN	-	-	-	-	10.9	13.2	10.1	9.1	9.4	11.0	14.2	16.6	19.5	20.0	12.6												
S.D.	-	-	-	-	6.4	7.4	5.5	4.6	4.9	5.9	7.0	7.8	8.1	7.6	7.3												
TOTAL	-	-	-	-	503	7791	15076	15266	15374	16056	15674	15703	10114	852	112409												
MAX	-	-	-	-	31.1	45.5	40.8	42.8	39.5	48.0	43.0	47.6	51.9	44.9	51.9												
DATE	-	-	-	-	1987033103	1985040623	1988051314	1988061921	1999070505	1984083006	1992092901	1980102613	1990111121	1980120221	1990111121												
MIN	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0												
DATE	-	-	-	-	1987033000	1999042822	1997052718	1999062610	1998072220	2000080117	1997090102	1998102510	1990111615	1983121310	2000080117												

(* < 0.05% , # = 100.0%)

STATION: 45003

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (4/1996 - 11/2001) (29752 RECORDS, 16.4% 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		
47	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	2	#
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
45	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	3	999	1	#	-	-	-	5	999
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	2	999
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	5	999	4	998	-	-	-	-	-	10	999
42	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	3	999	5	997	5	996	-	-	-	-	-	14	999
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999	10	996	5	993	-	-	-	-	-	19	999
40	-	-	-	-	-	-	4	999	-	-	1	999	1	#	-	-	3	998	10	993	4	991	-	-	-	-	23	998
39	-	-	-	-	-	-	3	998	-	-	1	999	-	-	-	-	5	997	8	989	6	989	-	-	-	-	23	997
38	-	-	-	-	-	-	7	997	-	-	2	999	2	999	-	-	7	996	19	987	10	985	-	-	-	-	47	997
37	-	-	-	-	-	-	8</																					

29	-	-	-	-	-	-	18	955	8	993	6	992	7	991	14	995	35	967	68	889	39	856	-	-	195	966
28	-	-	-	-	-	-	31	949	25	992	8	990	9	990	25	992	55	958	74	868	55	835	-	-	282	959
27	-	-	-	-	-	-	31	938	21	986	12	988	12	988	49	986	67	945	93	845	73	805	-	-	358	950
26	-	-	-	-	-	-	38	927	41	981	18	985	11	985	51	975	124	930	114	816	86	765	-	-	483	938
25	-	-	-	-	-	-	38	914	25	972	14	981	20	983	37	964	102	900	93	781	63	719	-	-	392	922
24	-	-	-	-	-	-	44	900	41	966	28	978	27	978	58	956	148	876	110	752	86	684	-	-	542	908
23	-	-	-	-	-	-	57	885	62	956	31	971	25	972	79	943	129	842	121	718	82	637	-	-	586	890
22	-	-	-	-	-	-	80	865	54	942	37	964	45	967	74	925	171	811	118	680	83	593	-	-	662	870
21	-	-	-	-	-	-	64	836	80	930	47	955	47	957	95	909	174	771	154	644	91	548	-	-	752	848
20	-	-	-	-	-	-	74	814	103	911	49	944	51	946	112	888	174	730	152	596	98	498	-	-	813	823
19	-	-	-	-	-	-	111	788	126	888	71	933	90	935	179	863	229	689	178	549	117	445	-	-	1101	796
18	-	-	-	-	-	-	96	748	130	859	92	916	94	915	183	824	196	635	134	493	80	381	-	-	1005	759
17	-	-	-	-	-	-	101	715	159	829	92	895	131	894	194	783	180	589	107	452	103	338	-	-	1067	725
16	-	-	-	-	-	-	124	679	178	792	128	873	177	864	215	740	241	547	122	418	98	281	-	-	1283	689
15	-	-	-	-	-	-	118	635	201	751	145	843	263	825	236	692	242	490	127	381	78	228	-	-	1410	646
14	-	-	-	-	-	-	116	594	213	705	203	809	281	766	247	640	187	433	136	341	56	186	-	-	1439	598
13	-	-	-	-	-	-	117	553	257	656	226	761	293	704	228	585	203	389	140	299	47	155	-	-	1511	550
12	-	-	-	-	-	-	180	511	311	597	354	708	417	638	356	535	238	342	160	255	59	130	-	-	2075	499
11	-	-	-	-	-	-	168	448	268	526	314	625	356	545	290	456	195	286	102	206	31	97	-	-	1724	430
10	-	-	-	-	-	-	193	388	328	464	394	552	397	466	291	391	157	240	110	174	43	81	-	-	1913	372
9	-	-	-	-	-	-	193	320	371	389	441	459	406	377	257	327	192	203	112	140	26	57	-	-	1998	307
8	-	-	-	-	-	-	155	252	370	304	442	356	362	287	309	270	151	158	81	105	23	43	-	-	1893	240
7	-	-	-	-	-	-	152	198	376	219	422	252	309	206	236	201	141	122	82	80	12	30	-	-	1730	177
6	-	-	-	-	-	-	134	144	230	133	279	153	227	137	216	149	134	89	57	54	17	24	-	-	1294	118
5	-	-	-	-	1	#	145	97	232	80	213	87	225	87	211	101	129	57	55	37	16	15	-	-	1227	75
4	-	-	-	-	-	-	72	46	71	26	95	37	94	37	140	54	75	27	44	20	4	6	-	-	595	34
3	-	-	-	-	-	-	31	20	36	10	48	15	48	16	81	23	28	9	14	6	6	4	-	-	292	14
2	-	-	-	-	-	-	11	9	8	2	14	4	21	5	21	5	11	3	5	2	1	1	-	-	92	4
1	-	-	-	-	-	-	15	5	-	-	2	*	1	*	3	1	1	*	-	-	-	-	-	-	22	1
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	-	-	-	-	5.1		14.0		12.1		10.9		11.5		12.8		16.0		18.8		21.1		-	-	14.0	
S.D.	-	-	-	-	0.0		7.5		5.6		5.1		5.1		6.0		7.1		8.3		7.7		-	-	7.1	
TOTAL	-	-	-	-	1		2834		4354		4261		4485		4510		4251		3219		1837		-	-	29752	
MAX	-	-	-	-	5.1		42.0		47.0		44.7		39.5		35.8		43.0		46.5		45.3		-	-	47.0	
DATE	-	-	-	-	2000033123		2000041007		1996051816		2000061102		1999070504		1999081311		2001092411		2001102604		1999111413		-	-	1996051816	
MIN	-	-	-	-	5.1		0.8		1.6		1.0		1.4		1.0		1.0		1.6		2.3		-	-	0.8	
DATE	-	-	-	-	2000033123		1996041408		1999050214		1998060921		1997071102		1997083005		1996090109		2001100102		1999112110		-	-	1996041408	

(* < 0.05% , # = 100.0%)

STATION: 45003

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (5/1980 - 11/2001) (105939 RECORDS, 93.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
5.0	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	3	#	-	-	-	-	4	#
4.5	-	-	-	-	-	-	6	999	-	-	-	-	-	-	-	-	4	#	6	#	22	999	-	-	-	-	38	999
4.0	-	-	-	-	-	-	9	999	2	#	-	-	-	-	-	-	10	999	41	999	33	997	6	#	101	999		
3.5	-	-	-	-	-	-	24	998	3	999	-	-	1	#	-	-	30	999	115	997	163	994	13	993	349	999		
3.0	-	-	-	-	-	-	58	995	7	999	-	-	6	999	1	#	100	997	291	989	452	978	33	977	948	995		
2.5	-	-	-	-	1	#	150	987	32	999	13	#	17	999	51	999	252	991	637	971	867	933	97	937	2117	986		
2.0	-	-	-	-	15	998	324	968	142	997	57	999	101	998	254	997	742	974	1379	929	1384	846	124	820	4522	966		
1.5	-	-	-	-	17	965	663	926	507	987	258	995	285	991	766	980	1921	927	2657	839	2021	707	201	671	9296	924		
1.0	-	-	-	-	65	927	1478	840	1681	950	1118	976	1236	970	2533	928	4150	802	4115	667	2597	505	184	428	19157	836		
0.5	-	-	-	-	205	784	2863	649	5054	828	5054	894	6235	879	6969	759	6179	534	4821	399	2068	245	150	206	39598	655		
0.0	-	-	-	-	150	331	2150	278	6406	463	7206	526	5679	419	4411	294	2096	135	1309	85	381	38	21	25	29809	281		
MEAN	-	-	-	-	0.5		0.7		0.4		0.3		0.4		0.5		0.8		1.1		1.4		1.5		0.7			
S.D.	-	-	-	-	0.5		0.7		0.4		0.3		0.4		0.4		0.6		0.7		0.8		0.8		0.7			
TOTAL	-	-	-	-	453		7726		13834		13706		13560		14985		15484		15371		9991		829		105939			
MAX	-	-	-	-	2.5		4.9		4.1		2.7		3.3		2.8		4.7		4.5		5.0		4.1		5.0			
DATE	-	-	-	-	1987033012		1985040700		1984050101		1999062913		2001070117		1992083106		1992092901		1993100116		1992110215		1989120210		1992110215			
MIN	-	-	-	-	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.1		0.0			
DATE	-	-	-	-	1987032818		2001042909		2001053123		2001062920		2001073009		2001082920		2001093023		2001102302		2001111706		1983120523		2001111706			

(* < 0.05% , # = 100.0%)

STATION: 45003

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (5/1980 - 11/2001) (105922 RECORDS, 93.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
8	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#
7	-	-	-	-	-	-	11	999	-	-	-	-	-	-	-	-	10	#	34	#	42	#	6	#	103	999	
6	-	-	-	-	1	#	148	998	16	#	5	#	19	#	31	#	197	999	647	998	608	996	42	993	1714	999	

5	-	-	-	-	26	998	788	979	452	999	257	999	331	999	762	998	1879	987	3088	956	2718	935	256	942	10557	983	
4	-	-	-	-	120	940	2724	877	3773	966	2946	981	3668	974	5435	947	7276	865	7274	755	4072	663	395	633	37683	883	
3	-	-	-	-	299	675	3126	525	6427	693	7043	766	7509	704	7013	584	5341	395	3784	282	1774	255	126	157	42442	527	
2	-	-	-	-	7	15	53	120	281	229	202	251	206	150	131	116	53	50	54	35	43	78	4	5	1034	127	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	117
0	-	-	-	-	-	-	874	113	2883	208	3238	237	1827	135	1613	108	728	47	490	32	734	73	-	-	12387	117	
MEAN	-	-	-	-	3.3		3.2		2.7		2.5		2.9		3.1		3.6		3.9		3.9		4.3		3.2		
S.D.	-	-	-	-	0.6		1.3		1.5		1.5		1.2		1.2		1.0		1.0		1.3		0.8		1.3		
TOTAL	-	-	-	-	453		7726		13832		13691		13560		14985		15484		15371		9991		829		105922		
MAX	-	-	-	-	5.5		7.5		6.1		5.6		6.2		5.7		6.9		7.4		7.2		6.8		7.5		
DATE	-	-	-	-	1987033012		1996041001		1984050101		1999062915		2001070117		1994081501		1992092901		1993100116		1992110215		1986120509		1996041001		
MIN	-	-	-	-	2.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		2.3		0.0		
DATE	-	-	-	-	1983033019		2001042909		2001053123		2001062920		2001073009		2001082920		2001093023		2001102302		2001111706		1983120518		2001111706		

(* < 0.05% , # = 100.0%)

STATION: 45003

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (5/1980 - 11/2001) (105916 RECORDS, 93.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
14	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	1	#
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
10	-	-	-	-	-	-	-	-	-	-	1	#	1	999	-	-	-	-	-	-	-	-	-	-	-	2	999
9	-	-	-	-	-	7	#	1	#	-	-	2	999	1	#	2	#	7	#	21	#	3	#	44	999		
8	-	-	-	-	-	88	999	6	999	-	-	11	999	5	999	127	999	415	999	529	998	38	996	1219	999		
7	-	-	-	-	6	#	234	988	60	999	40	999	97	999	171	999	541	992	1290	973	1240	945	115	950	3794	988	
6	-	-	-	-	23	987	744	957	522	995	317	997	363	992	904	988	2141	957	2903	889	2525	821	227	812	10669	952	
5	-	-	-	-	58	936	1395	861	1806	957	1235	974	1642	965	2594	928	3949	818	4129	700	2671	568	226	537	19705	851	
4	-	-	-	-	113	808	2280	681	3991	827	3903	884	4676	844	5342	755	4916	563	4003	431	1990	301	157	264	31371	665	
3	-	-	-	-	248	558	2045	385	4245	538	4721	599	4692	499	4188	398	2984	246	2050	171	922	102	56	75	26151	369	
2	-	-	-	-	5	11	58	121	318	231	239	254	246	153	167	119	94	53	81	37	67	9	6	7	1281	122	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	110
0	-	-	-	-	-	-	874	113	2883	208	3238	236	1827	135	1613	108	728	47	490	32	26	3	-	-	11679	110	
MEAN	-	-	-	-	3.6		3.7		3.0		2.8		3.2		3.5		4.2		4.7		5.2		5.3		3.8		
S.D.	-	-	-	-	1.0		1.7		1.7		1.7		1.5		1.5		1.4		1.5		1.4		1.3		1.7		
TOTAL	-	-	-	-	453		7725		13832		13694		13558		14985		15482		15368		9991		828		105916		
MAX	-	-	-	-	6.7		9.1		9.1		10.0		14.3		9.1		9.1		9.1		9.1		9.1		14.3		
DATE	-	-	-	-	1987033123		1995040412		1994051319		1998062920		1981070617		1981082519		1992092901		1996103010		1992110223		1989120215		1981070617		
MIN	-	-	-	-	2.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		2.1		0.0		
DATE	-	-	-	-	1983033019		2001042909		2001053123		2001062920		2001073009		2001082920		2001093023		2001102302		2001111706		1983120517		2001111706		

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: 45003

- (A) TOTAL STD MET RECORDS READ = 113408
- (B) TOTAL CWIND RECORDS READ = 181170
- (C) TOTAL RECORDS USED IN STATS = 294578

(D) ELEMENT RECORDS AVAILABLE	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(E) ELEMENT OUT OF RANGE	112538	112166	112017	6757	112588	112682	112409	29752	105939	105922	105916	0
	870	1242	1391	106651	820	726	999	151418	7469	7486	7492	113408

STATION: 45003 -- POR (5/1980 - 11/2001)

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

ELEMENT: AIR TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	7.1	7.0	14.8	19.1	14.4	6.7	2.8	-2.1	10.5
	MAXIMUM	-	-	-	-	14.9	15.9	21.0	23.8	21.1	13.5	9.7	5.3	23.8
	DAY-HR	-	-	-	-	23-04	26-10	19-22	08-23	04-22	01-19	04-03	01-01	AUG
	MINIMUM	-	-	-	-	4.6	3.3	7.0	15.3	5.6	-0.3	-3.5	-11.2	-11.2
	DAY-HR	-	-	-	-	28-07	10-10	02-09	16-10	26-19	28-11	18-16	03-11	DEC
	# OBS	-	-	-	-	256	719	744	740	714	738	713	71	4695
1981	MEAN	-	-	-	2.7	4.7	7.4	14.6	18.0	13.9	6.5	3.7	-	9.7
	MAXIMUM	-	-	-	5.0	10.0	12.3	21.3	21.7	21.3	11.0	9.0	-	21.7
	DAY-HR	-	-	-	30-00	22-23	18-21	09-04	23-23	01-22	14-03	06-02	-	AUG
	MINIMUM	-	-	-	-0.3	0.1	4.7	7.2	14.6	6.0	-0.4	-3.2	-	-3.2
	DAY-HR	-	-	-	21-21	10-18	02-12	04-01	16-14	29-10	24-11	22-17	-	NOV

	# OBS	-	-	-	221	740	357	741	741	715	719	717	-	4951
1982	MEAN	-	-	-	-	4.6	5.7	12.6	15.4	12.7	10.3	4.4	7.2	9.5
	MAXIMUM	-	-	-	-	8.5	9.0	19.2	21.2	18.9	16.0	10.8	7.9	21.2
	DAY-HR	-	-	-	-	19-12	12-22	25-23	06-22	14-05	07-13	12-16	01-07	AUG
	MINIMUM	-	-	-	-	0.5	2.6	5.3	8.8	8.6	1.5	-4.6	6.2	-4.6
	DAY-HR	-	-	-	-	08-10	04-05	01-13	28-16	21-04	22-10	24-17	01-00	NOV
	# OBS	-	-	-	-	665	691	726	742	720	743	715	15	5017
1983	MEAN	-	-	0.2	2.6	4.5	10.9	18.4	20.2	16.6	9.8	3.9	-1.2	10.2
	MAXIMUM	-	-	1.7	8.0	7.8	20.2	22.9	23.7	23.6	17.9	10.8	5.2	23.7
	DAY-HR	-	-	31-23	27-17	25-02	20-23	15-22	20-02	06-00	03-02	08-21	12-11	AUG
	MINIMUM	-	-	-0.8	-5.5	0.3	4.8	11.2	13.7	8.0	2.1	-4.1	-6.8	-6.8
	DAY-HR	-	-	31-00	18-14	09-14	08-10	05-16	09-15	23-12	29-16	12-16	11-05	DEC
	# OBS	-	-	34	711	743	698	723	744	720	744	720	328	6165
1984	MEAN	-	-	-	3.9	4.2	7.4	14.0	18.9	14.0	10.2	3.6	-	10.2
	MAXIMUM	-	-	-	8.7	8.5	14.9	19.1	22.2	18.6	14.8	12.5	-	22.2
	DAY-HR	-	-	-	27-23	22-07	07-02	31-02	06-04	23-07	28-03	01-18	-	AUG
	MINIMUM	-	-	-	1.0	0.8	3.8	8.5	12.9	6.0	2.1	-4.7	-	-4.7
	DAY-HR	-	-	-	21-12	03-07	01-04	08-09	23-16	26-18	31-12	21-13	-	NOV
	# OBS	-	-	-	242	738	719	741	742	717	740	664	-	5303
1985	MEAN	-	-	-	2.3	5.0	7.1	14.9	17.6	15.6	10.4	3.7	-2.0	9.6
	MAXIMUM	-	-	-	9.5	11.8	14.8	21.3	21.1	20.9	15.3	12.4	7.2	21.3
	DAY-HR	-	-	-	22-02	19-23	30-22	19-21	09-22	04-02	04-22	02-01	02-04	JUL
	MINIMUM	-	-	-	-6.3	1.8	4.1	9.5	13.5	9.0	3.2	-3.6	-8.4	-8.4
	DAY-HR	-	-	-	09-16	08-11	17-05	02-10	20-09	25-13	28-16	11-14	02-18	DEC
	# OBS	-	-	-	637	729	719	742	741	717	743	719	76	5823
1986	MEAN	-	-	-	-	5.6	6.6	13.9	16.5	12.7	8.7	2.2	1.0	9.7
	MAXIMUM	-	-	-	-	10.9	13.8	20.3	19.9	17.1	14.6	12.5	4.7	20.3
	DAY-HR	-	-	-	-	30-22	22-22	30-23	09-21	04-22	22-22	08-23	03-07	JUL
	MINIMUM	-	-	-	-	2.3	3.5	6.7	9.4	7.3	1.9	-7.3	-2.9	-7.3
	DAY-HR	-	-	-	-	25-10	02-10	01-12	28-18	07-17	30-19	13-10	01-00	NOV
	# OBS	-	-	-	-	268	707	741	736	712	731	692	97	4684
1987	MEAN	-	-	1.1	3.5	6.0	12.3	18.3	18.7	15.6	7.9	4.6	-	10.3
	MAXIMUM	-	-	5.8	8.1	17.2	21.3	23.0	22.6	19.0	14.8	11.8	-	23.0
	DAY-HR	-	-	25-21	21-01	30-21	24-23	24-02	04-00	28-23	05-01	04-06	-	JUL
	MINIMUM	-	-	-6.1	-3.1	2.8	7.4	12.8	13.4	10.2	3.0	-8.4	-	-8.4
	DAY-HR	-	-	31-16	03-14	03-06	04-16	15-10	31-22	30-16	25-13	21-07	-	NOV
	# OBS	-	-	463	677	703	669	707	742	679	740	515	-	5895
1988	MEAN	-	-	-	2.1	5.2	8.5	17.9	18.9	14.7	7.8	5.1	-	10.4
	MAXIMUM	-	-	-	6.8	12.0	17.1	24.6	24.3	21.0	14.5	10.7	-	24.6
	DAY-HR	-	-	-	17-19	28-01	15-20	30-00	14-23	02-00	01-06	05-07	-	JUL
	MINIMUM	-	-	-	-2.6	2.1	4.6	10.2	14.8	7.1	0.0	0.0	-	-2.6
	DAY-HR	-	-	-	19-14	14-10	17-07	02-11	30-12	28-15	30-16	29-09	-	APR
	# OBS	-	-	-	530	743	718	742	741	715	742	679	-	5610
1989	MEAN	-	-	-	3.9	4.6	6.8	9.4	17.3	15.4	7.4	1.1	-5.1	7.3
	MAXIMUM	-	-	-	5.5	10.1	13.7	12.8	20.7	20.7	15.7	8.2	2.7	20.7
	DAY-HR	-	-	-	30-19	26-18	26-00	03-15	14-21	06-20	02-01	06-01	06-11	SEP
	MINIMUM	-	-	-	2.8	0.5	3.9	6.7	12.6	5.6	1.3	-8.6	-13.2	-13.2
	DAY-HR	-	-	-	30-14	07-10	05-13	01-16	24-15	27-11	17-15	29-07	03-18	DEC
	# OBS	-	-	-	11	730	703	64	433	714	738	717	270	4380
1990	MEAN	-	-	-	-	4.6	7.4	15.1	18.1	14.7	8.5	4.9	-	10.9
	MAXIMUM	-	-	-	-	10.1	12.5	21.3	21.4	21.4	15.2	11.8	-	21.4
	DAY-HR	-	-	-	-	29-00	16-20	28-23	27-03	01-23	04-03	03-01	-	SEP
	MINIMUM	-	-	-	-	1.0	3.7	8.1	12.9	6.1	1.1	-1.5	-	-1.5
	DAY-HR	-	-	-	-	11-07	04-11	02-12	19-13	23-13	29-05	13-12	-	NOV
	# OBS	-	-	-	-	739	717	738	743	717	742	375	-	4771
1991	MEAN	-	-	-	4.8	5.5	10.8	17.1	19.3	14.5	7.9	1.0	-	11.7
	MAXIMUM	-	-	-	7.9	14.5	19.1	22.4	24.1	21.6	13.4	9.3	-	24.1
	DAY-HR	-	-	-	30-13	30-07	28-18	20-01	29-17	10-03	05-15	02-05	-	AUG
	MINIMUM	-	-	-	3.2	0.4	4.7	11.6	13.5	3.6	2.7	-4.2	-	-4.2
	DAY-HR	-	-	-	24-05	04-14	03-06	02-09	31-14	29-15	16-04	07-07	-	NOV
	# OBS	-	-	-	167	742	719	742	740	718	744	235	-	4807
1992	MEAN	-	-	-	1.7	4.7	7.0	11.7	15.2	13.0	7.9	5.6	-	8.7
	MAXIMUM	-	-	-	7.6	13.6	13.9	17.9	21.5	18.0	13.6	8.7	-	21.5
	DAY-HR	-	-	-	21-09	12-23	19-01	15-21	25-22	06-23	08-23	03-07	-	AUG
	MINIMUM	-	-	-	-4.4	1.8	3.3	6.9	11.5	4.0	0.2	2.1	-	-4.4
	DAY-HR	-	-	-	13-10	24-13	20-16	04-05	29-04	29-14	19-16	01-17	-	APR
	# OBS	-	-	-	714	741	720	742	739	717	741	93	-	5207
1993	MEAN	-	-	-	3.1	4.5	6.8	14.9	18.2	13.1	7.6	-	-	10.9
	MAXIMUM	-	-	-	3.7	8.9	15.3	20.7	22.7	18.7	13.6	-	-	22.7
	DAY-HR	-	-	-	30-22	06-22	26-01	29-00	18-21	05-01	03-22	-	-	AUG
	MINIMUM	-	-	-	2.7	1.2	3.7	8.6	11.6	3.7	1.4	-	-	1.2
	DAY-HR	-	-	-	30-14	01-19	01-09	01-15	04-12	30-09	09-23	-	-	MAY

	# OBS	-	-	-	10	742	719	741	742	718	696	-	-	4368
1994	MEAN	-	-	-	2.7	4.2	7.0	15.2	15.9	15.1	10.7	6.5	-	10.3
	MAXIMUM	-	-	-	8.7	13.6	13.2	19.8	20.4	18.8	15.9	9.2	-	20.4
	DAY-HR	-	-	-	24-19	22-21	28-02	31-23	28-11	16-23	08-07	01-05	-	AUG
	MINIMUM	-	-	-	-1.8	0.9	3.9	6.2	11.8	9.6	5.8	4.4	-	-1.8
	DAY-HR	-	-	-	28-14	01-10	02-09	01-10	09-09	29-16	25-06	02-11	-	APR
	# OBS	-	-	-	452	729	718	477	740	716	740	52	-	4624
1995	MEAN	-	-	0.6	1.5	5.3	10.3	16.1	20.4	14.3	10.0	0.9	-	9.9
	MAXIMUM	-	-	2.0	6.0	18.4	21.3	22.5	24.2	21.9	17.1	10.3	-	24.2
	DAY-HR	-	-	31-00	03-22	31-23	25-22	31-23	15-03	07-02	01-02	02-13	-	AUG
	MINIMUM	-	-	-0.8	-9.8	3.1	4.8	10.1	14.8	7.1	1.1	-8.2	-	-9.8
	DAY-HR	-	-	31-17	04-16	08-07	08-11	02-13	24-15	23-13	31-14	28-16	-	APR
	# OBS	-	-	33	718	740	716	742	739	714	740	679	-	5821
1996	MEAN	-	-	-	1.8	4.0	6.4	10.9	17.6	15.8	8.5	1.2	-	9.6
	MAXIMUM	-	-	-	7.9	14.4	13.3	18.1	22.4	21.9	14.6	2.5	-	22.4
	DAY-HR	-	-	-	20-21	20-02	29-11	24-23	07-23	06-23	07-04	02-23	-	AUG
	MINIMUM	-	-	-	-2.6	0.2	2.8	6.0	13.0	9.1	-0.5	-0.5	-	-2.6
	DAY-HR	-	-	-	27-05	01-14	04-08	07-08	04-12	30-09	31-14	02-12	-	APR
	# OBS	-	-	-	520	737	712	840	786	718	708	94	-	5115
1997	MEAN	-	-	-	2.4	3.8	7.7	14.5	16.3	14.7	9.3	8.0	-	10.2
	MAXIMUM	-	-	-	7.2	8.7	15.7	20.0	21.2	18.5	17.4	10.3	-	21.2
	DAY-HR	-	-	-	26-23	27-23	05-03	18-00	02-23	18-23	06-03	02-05	-	AUG
	MINIMUM	-	-	-	-1.7	0.1	3.2	7.1	12.3	7.9	-0.2	5.5	-	-1.7
	DAY-HR	-	-	-	17-14	17-09	01-02	02-19	17-15	26-11	27-09	03-10	-	APR
	# OBS	-	-	-	442	726	709	724	736	704	735	60	-	4836
1998	MEAN	-	-	-	4.4	7.5	11.8	18.6	20.0	16.7	10.7	3.9	-	13.5
	MAXIMUM	-	-	-	9.4	14.1	21.0	23.9	23.0	22.3	16.9	10.2	-	23.9
	DAY-HR	-	-	-	23-22	29-00	29-22	22-00	04-23	06-03	06-23	01-02	-	JUL
	MINIMUM	-	-	-	2.0	4.0	5.4	15.3	13.7	10.3	3.8	0.1	-	0.1
	DAY-HR	-	-	-	25-15	15-11	01-10	24-14	18-14	22-16	21-15	04-04	-	NOV
	# OBS	-	-	-	262	698	684	729	780	706	735	134	-	4728
1999	MEAN	-	-	-	4.1	6.9	13.3	18.4	18.5	16.5	9.7	5.5	-	12.2
	MAXIMUM	-	-	-	8.8	12.5	21.0	24.0	22.7	22.2	15.7	12.9	-	24.0
	DAY-HR	-	-	-	29-19	30-11	25-22	24-23	01-02	05-01	01-00	02-01	-	JUL
	MINIMUM	-	-	-	1.7	3.6	8.1	12.7	13.3	7.8	1.8	-3.1	-	-3.1
	DAY-HR	-	-	-	24-16	09-13	03-11	01-18	30-11	21-15	06-14	30-11	-	NOV
	# OBS	-	-	-	432	743	720	738	737	713	270	708	-	5061
2000	MEAN	-	-	-	3.0	6.4	10.8	16.7	17.8	14.9	10.5	6.9	-	11.3
	MAXIMUM	-	-	-	7.4	13.6	17.1	21.3	21.2	21.2	17.7	12.7	-	21.3
	DAY-HR	-	-	-	14-21	08-22	21-21	17-20	31-23	01-05	20-21	03-01	-	JUL
	MINIMUM	-	-	-	-3.3	3.5	6.4	12.3	13.2	5.2	1.8	0.0	-	-3.3
	DAY-HR	-	-	-	10-13	02-15	03-13	18-14	03-14	24-15	28-13	17-09	-	APR
	# OBS	-	-	-	602	737	720	743	744	705	738	442	-	5431
2001	MEAN	-	-	-	3.4	5.6	9.9	15.1	19.1	15.2	9.9	7.6	-	11.3
	MAXIMUM	-	-	-	8.2	11.6	19.8	23.3	24.9	20.6	17.0	12.6	-	24.9
	DAY-HR	-	-	-	12-18	11-01	30-23	23-23	08-18	10-01	03-21	02-20	-	AUG
	MINIMUM	-	-	-	-1.5	3.4	4.4	9.0	15.4	4.7	2.9	0.9	-	-1.5
	DAY-HR	-	-	-	18-15	14-10	04-08	02-09	24-11	25-22	27-18	11-11	-	APR
	# OBS	-	-	-	467	714	717	744	743	715	742	404	-	5246
POR	MEAN	-	-	1.0	2.7	5.1	8.6	15.4	18.1	14.7	8.9	3.8	-2.2	10.4
	MAXIMUM	-	-	5.8	9.5	18.4	21.3	24.6	24.9	23.6	17.9	12.9	7.9	24.9
	YEAR	-	-	1987	1985	1995	1995	1988	2001	1983	1983	1999	1982	AUG/2001
	MINIMUM	-	-	-6.1	-9.8	0.1	2.6	5.3	8.8	3.6	-0.5	-8.6	-13.2	-13.2
	YEAR	-	-	1987	1995	1997	1982	1982	1982	1991	1996	1989	1989	DEC/1989
	# OBS	-	-	530	7815	15103	15271	15371	16071	15684	15709	10127	857	112538

STATION: 45003 -- POR (5/1980 - 11/2001)

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

ELEMENT: SEA TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	2.8	3.6	13.2	18.5	15.0	9.4	5.8	4.8	10.5
	MAXIMUM	-	-	-	-	3.1	6.0	19.0	21.2	19.8	11.4	7.5	5.0	21.2
	DAY-HR	-	-	-	-	31-18	26-21	30-21	07-22	07-21	02-21	02-21	01-21	AUG
	MINIMUM	-	-	-	-	2.6	2.9	4.2	16.7	10.7	6.7	4.8	4.5	2.6
	DAY-HR	-	-	-	-	23-12	05-11	02-12	16-14	26-11	31-20	30-12	03-21	MAY
	# OBS	-	-	-	-	253	719	744	739	710	556	710	70	4501
1981	MEAN	-	-	-	1.8	2.3	3.6	12.2	17.3	15.6	7.1	5.5	-	9.2

	MAXIMUM	-	-	-	2.1	3.0	6.2	17.4	19.7	19.5	10.4	6.3	-	19.7
	DAY-HR	-	-	-	30-20	28-21	30-21	21-01	20-23	01-23	01-11	06-05	-	AUG
	MINIMUM	-	-	-	1.7	1.8	2.7	4.3	14.2	8.9	5.0	4.6	-	1.7
	DAY-HR	-	-	-	27-12	02-12	02-11	01-23	01-12	29-03	27-13	30-20	-	APR
	# OBS	-	-	-	220	735	361	741	741	715	718	717	-	4948
1982	MEAN	-	-	-	-	1.7	2.7	9.5	14.9	11.8	11.1	7.4	6.9	8.5
	MAXIMUM	-	-	-	-	2.2	3.3	17.8	18.9	14.2	13.6	9.0	7.1	18.9
	DAY-HR	-	-	-	-	31-20	30-19	29-20	07-21	14-02	04-20	04-04	01-14	AUG
	MINIMUM	-	-	-	-	0.3	1.9	3.1	10.8	9.2	8.1	6.0	6.7	0.3
	DAY-HR	-	-	-	-	08-09	04-11	01-02	28-19	03-20	30-19	26-05	01-05	MAY
	# OBS	-	-	-	-	684	720	740	742	720	737	711	15	5069
1983	MEAN	-	-	2.6	2.8	3.3	8.6	17.1	20.2	18.2	11.7	6.9	5.1	10.8
	MAXIMUM	-	-	2.7	3.2	4.3	15.4	22.3	22.8	21.8	15.6	9.6	5.6	22.8
	DAY-HR	-	-	31-23	26-18	31-20	21-23	26-22	29-21	01-22	01-22	03-04	02-03	AUG
	MINIMUM	-	-	2.3	2.6	2.9	3.7	11.6	18.6	13.4	8.7	5.2	4.5	2.3
	DAY-HR	-	-	30-15	01-13	01-10	03-11	06-12	12-13	26-16	31-06	30-06	14-15	MAR
	# OBS	-	-	34	711	743	716	737	744	720	744	720	328	6197
1984	MEAN	-	-	-	1.3	1.9	3.0	11.6	18.4	15.1	11.2	6.8	-	9.4
	MAXIMUM	-	-	-	1.6	2.5	6.0	16.5	19.9	19.1	12.9	9.6	-	19.9
	DAY-HR	-	-	-	28-23	31-18	30-23	30-23	16-04	01-20	01-21	01-07	-	AUG
	MINIMUM	-	-	-	1.1	1.4	2.2	6.1	15.9	11.8	9.6	5.0	-	1.1
	DAY-HR	-	-	-	26-11	03-12	01-11	01-00	02-13	30-15	31-23	28-18	-	APR
	# OBS	-	-	-	244	739	720	741	742	717	740	664	-	5307
1985	MEAN	-	-	-	1.6	2.3	3.8	13.4	17.3	16.5	12.2	8.0	5.5	9.5
	MAXIMUM	-	-	-	2.1	3.0	9.9	17.2	19.3	19.1	15.1	10.7	5.7	19.3
	DAY-HR	-	-	-	30-21	30-23	30-22	20-00	09-00	08-20	01-00	01-21	01-04	AUG
	MINIMUM	-	-	-	1.3	1.7	2.8	7.0	15.4	14.9	10.5	5.7	5.2	1.3
	DAY-HR	-	-	-	04-12	08-11	01-12	01-01	01-09	29-14	29-07	30-23	03-02	APR
	# OBS	-	-	-	638	728	719	742	741	717	743	719	76	5823
1986	MEAN	-	-	-	-	2.4	3.2	11.4	16.6	13.1	10.6	6.7	4.9	10.0
	MAXIMUM	-	-	-	-	2.8	5.7	18.8	19.8	15.6	13.3	9.3	5.1	19.8
	DAY-HR	-	-	-	-	31-21	30-22	27-21	07-23	04-22	04-01	01-12	01-21	AUG
	MINIMUM	-	-	-	-	2.3	2.7	4.3	12.7	11.8	9.3	5.1	4.7	2.3
	DAY-HR	-	-	-	-	27-11	06-13	04-19	27-09	21-16	31-23	30-23	05-11	MAY
	# OBS	-	-	-	-	268	570	739	729	711	727	686	94	4524
1987	MEAN	-	-	2.5	2.6	3.6	10.2	17.7	19.4	16.5	11.1	8.0	-	10.7
	MAXIMUM	-	-	3.1	3.2	9.6	18.2	22.3	20.6	19.8	15.9	9.7	-	22.3
	DAY-HR	-	-	21-19	25-19	31-00	24-22	28-20	18-22	15-20	01-11	05-09	-	JUL
	MINIMUM	-	-	2.1	1.6	2.0	5.5	13.3	15.7	14.8	9.0	6.2	-	1.6
	DAY-HR	-	-	23-07	10-10	03-07	01-10	01-12	31-23	19-05	30-22	22-02	-	APR
	# OBS	-	-	449	666	689	647	699	742	680	740	514	-	5826
1988	MEAN	-	-	-	1.6	2.3	4.6	16.6	18.3	14.3	10.5	6.9	-	9.7
	MAXIMUM	-	-	-	2.0	3.1	10.2	21.4	21.1	18.1	13.6	7.5	-	21.4
	DAY-HR	-	-	-	30-23	31-20	23-22	24-20	12-19	03-03	04-03	01-20	-	JUL
	MINIMUM	-	-	-	0.5	1.3	2.5	7.8	16.5	10.0	6.7	6.4	-	0.5
	DAY-HR	-	-	-	10-05	04-03	17-08	02-16	28-14	29-14	28-23	29-13	-	APR
	# OBS	-	-	-	530	743	719	742	739	714	742	676	-	5605
1989	MEAN	-	-	-	-	2.4	3.3	5.1	17.9	17.0	7.6	5.6	4.7	8.1
	MAXIMUM	-	-	-	-	2.9	4.7	7.1	20.3	20.6	13.4	7.4	4.8	20.6
	DAY-HR	-	-	-	-	31-18	29-23	02-18	13-20	08-22	02-17	01-02	06-22	SEP
	MINIMUM	-	-	-	-	2.0	2.8	3.9	16.0	9.7	4.6	4.7	4.6	2.0
	DAY-HR	-	-	-	-	16-06	05-09	01-12	17-07	29-16	12-10	30-23	09-09	MAY
	# OBS	-	-	-	-	727	700	63	436	715	738	717	269	4365
1990	MEAN	-	-	-	-	2.3	3.6	13.2	17.4	15.7	9.1	7.0	-	10.0
	MAXIMUM	-	-	-	-	3.0	6.9	20.2	19.6	18.4	12.3	8.4	-	20.2
	DAY-HR	-	-	-	-	31-22	27-23	28-22	23-21	05-20	01-02	03-20	-	JUL
	MINIMUM	-	-	-	-	1.5	2.8	4.5	14.9	12.1	7.1	6.0	-	1.5
	DAY-HR	-	-	-	-	03-10	02-14	01-12	20-14	30-03	29-12	14-16	-	MAY
	# OBS	-	-	-	-	739	718	738	743	717	742	375	-	4772
1991	MEAN	-	-	-	2.3	2.8	7.8	16.4	19.3	16.4	7.4	7.7	-	11.2
	MAXIMUM	-	-	-	2.6	3.7	16.2	23.4	23.0	20.1	9.5	9.4	-	23.4
	DAY-HR	-	-	-	26-23	30-19	20-21	23-10	29-18	08-19	13-20	04-02	-	JUL
	MINIMUM	-	-	-	2.1	2.0	2.9	9.8	17.7	5.5	4.9	6.9	-	2.0
	DAY-HR	-	-	-	25-11	20-06	13-10	02-12	01-13	30-23	02-05	03-03	-	MAY
	# OBS	-	-	-	167	742	718	742	740	718	744	234	-	4805
1992	MEAN	-	-	-	1.6	2.5	3.9	9.9	14.7	12.7	9.1	7.3	-	7.8
	MAXIMUM	-	-	-	2.2	3.2	10.6	16.7	16.9	15.4	11.1	7.8	-	16.9
	DAY-HR	-	-	-	28-20	28-21	26-21	24-22	22-20	07-22	05-21	01-11	-	AUG
	MINIMUM	-	-	-	0.6	1.5	2.9	4.7	12.3	9.4	7.7	7.0	-	0.6
	DAY-HR	-	-	-	04-11	19-08	02-12	03-07	31-18	30-12	31-23	04-05	-	APR
	# OBS	-	-	-	714	741	720	740	739	718	741	93	-	5206
1993	MEAN	-	-	-	2.1	2.5	3.7	13.0	17.8	14.1	9.1	-	-	10.0

	DAY-HR	-	-	-	19-14	09-14	-	-	-	-	-	-	APR	
	# OBS	-	-	-	711	743	-	-	-	-	-	-	1454	
1984	MEAN	-	-	-	0.8	1.9	5.6	11.5	15.3	8.8	5.8	-0.9	-	6.7
	MAXIMUM	-	-	-	6.7	9.9	14.6	17.2	19.9	17.1	12.8	11.8	-	19.9
	DAY-HR	-	-	-	27-23	22-20	07-02	23-19	30-03	25-11	19-17	01-18	-	AUG
	MINIMUM	-	-	-	-8.4	-4.0	-0.1	4.0	4.4	-2.5	-5.9	-11.7	-	-11.7
	DAY-HR	-	-	-	21-14	01-18	17-03	08-00	24-18	30-20	31-09	19-22	-	NOV
	# OBS	-	-	-	244	739	717	740	742	717	740	664	-	5303
POR	MEAN	-	-	-	-1.0	1.5	5.6	11.5	15.3	8.8	5.8	-0.9	-	5.2
	MAXIMUM	-	-	-	6.7	9.9	14.6	17.2	19.9	17.1	12.8	11.8	-	19.9
	YEAR	-	-	-	1984	1984	1984	1984	1984	1984	1984	1984	-	AUG/1984
	MINIMUM	-	-	-	-11.1	-7.4	-0.1	4.0	4.4	-2.5	-5.9	-11.7	-	-11.7
	YEAR	-	-	-	1983	1983	1984	1984	1984	1984	1984	1984	-	NOV/1984
	# OBS	-	-	-	955	1482	717	740	742	717	740	664	-	6757

STATION: 45003 -- POR (5/1980 - 11/2001)

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	1015.2	1014.4	1013.3	1014.6	1015.9	1013.6	1016.1	1017.9	1014.7
	MAXIMUM	-	-	-	-	1023.3	1025.7	1022.5	1025.3	1026.6	1037.0	1032.2	1037.3	1037.3
	DAY-HR	-	-	-	-	26-15	04-16	06-17	23-16	28-17	23-16	16-16	03-19	DEC
	MINIMUM	-	-	-	-	1002.2	1001.9	1005.4	1002.9	1001.0	996.2	990.2	1001.6	990.2
	DAY-HR	-	-	-	-	31-08	07-23	16-22	03-01	21-18	26-09	29-07	01-00	NOV
	# OBS	-	-	-	-	256	719	744	740	715	738	713	71	4696
1981	MEAN	-	-	-	1011.0	1016.2	1015.5	1016.8	1016.1	1015.0	1018.5	1016.7	-	1016.2
	MAXIMUM	-	-	-	1027.7	1029.5	1025.9	1026.8	1024.3	1030.1	1031.3	1032.0	-	1032.0
	DAY-HR	-	-	-	21-19	17-14	27-14	01-14	25-15	23-17	13-17	12-15	-	NOV
	MINIMUM	-	-	-	993.9	1002.2	1001.6	1003.2	1003.7	999.7	983.5	990.9	-	983.5
	DAY-HR	-	-	-	24-08	30-04	22-14	21-02	08-08	10-08	18-18	27-04	-	OCT
	# OBS	-	-	-	221	741	361	741	741	716	719	717	-	4957
1982	MEAN	-	-	-	-	1016.9	1013.9	1014.9	1016.3	1017.1	1017.3	1017.4	1013.2	1016.2
	MAXIMUM	-	-	-	-	1025.6	1025.6	1022.5	1026.6	1031.8	1032.6	1034.7	1015.1	1034.7
	DAY-HR	-	-	-	-	09-19	03-18	01-17	29-08	07-15	24-15	27-17	01-00	NOV
	MINIMUM	-	-	-	-	1005.4	999.8	998.4	1004.9	1001.2	996.2	983.9	1011.3	983.9
	DAY-HR	-	-	-	-	31-23	01-08	11-13	08-23	02-20	15-05	12-19	01-07	NOV
	# OBS	-	-	-	-	684	720	742	742	720	743	715	15	5081
1983	MEAN	-	-	1021.9	1012.7	1013.5	1015.9	1014.5	1015.9	1015.8	1019.4	1012.6	1015.7	1015.1
	MAXIMUM	-	-	1029.0	1023.8	1028.1	1024.2	1026.5	1026.7	1029.7	1036.5	1029.4	1037.4	1037.4
	DAY-HR	-	-	30-14	06-04	09-16	21-17	07-15	24-17	24-16	09-17	01-00	11-05	DEC
	MINIMUM	-	-	1015.6	997.2	991.6	1003.1	1002.5	1004.4	1000.1	996.5	988.1	998.5	988.1
	DAY-HR	-	-	31-23	14-22	02-18	01-00	04-11	08-12	06-09	13-21	20-22	06-22	NOV
	# OBS	-	-	34	711	743	716	744	744	720	743	720	328	6203
1984	MEAN	-	-	-	1012.3	1013.5	1013.8	1013.9	1014.7	1017.8	1020.5	1017.9	-	1015.8
	MAXIMUM	-	-	-	1032.5	1028.4	1029.2	1026.9	1024.5	1029.6	1035.7	1041.4	-	1041.4
	DAY-HR	-	-	-	21-17	16-15	15-18	29-15	25-15	27-12	31-16	21-16	-	NOV
	MINIMUM	-	-	-	986.6	999.1	995.8	1001.5	1003.7	999.4	1000.0	998.7	-	986.6
	DAY-HR	-	-	-	30-15	01-00	27-15	17-17	30-12	20-09	03-11	15-22	-	APR
	# OBS	-	-	-	244	739	720	741	742	717	740	664	-	5307
1985	MEAN	-	-	-	1014.5	1012.3	1012.6	1013.7	1017.1	1018.5	1018.1	1018.5	1011.1	1015.6
	MAXIMUM	-	-	-	1031.5	1027.8	1024.9	1024.8	1026.1	1038.1	1032.7	1037.3	1029.7	1038.1
	DAY-HR	-	-	-	12-21	08-16	30-18	30-16	02-15	13-15	28-18	11-15	03-23	SEP
	MINIMUM	-	-	-	974.5	986.5	988.8	1002.4	1008.1	1002.7	994.2	997.8	984.3	974.5
	DAY-HR	-	-	-	06-13	31-20	01-00	05-11	07-07	24-03	05-12	20-07	02-08	APR
	# OBS	-	-	-	625	727	719	740	739	717	740	719	76	5802
1986	MEAN	-	-	-	-	1016.0	1014.7	1014.8	1016.6	1017.1	1018.5	1019.1	1017.8	1016.7
	MAXIMUM	-	-	-	-	1022.7	1025.8	1023.7	1027.2	1033.1	1035.1	1037.2	1039.3	1039.3
	DAY-HR	-	-	-	-	25-15	02-18	23-14	22-12	16-17	18-16	30-23	01-08	DEC
	MINIMUM	-	-	-	-	1005.5	1000.3	1004.7	1004.9	996.4	1003.1	1004.8	997.7	996.4
	DAY-HR	-	-	-	-	31-01	16-16	13-13	10-21	12-02	14-19	17-12	03-19	SEP
	# OBS	-	-	-	-	268	708	742	732	713	730	689	95	4677
1987	MEAN	-	-	1019.9	1015.6	1018.2	1013.0	1014.9	1015.1	1014.0	1016.3	1017.2	-	1015.9
	MAXIMUM	-	-	1034.7	1031.5	1034.5	1025.8	1022.2	1025.3	1026.9	1034.6	1033.7	-	1034.7
	DAY-HR	-	-	16-17	25-15	04-16	10-16	22-15	24-15	03-16	31-17	01-14	-	MAR
	MINIMUM	-	-	1001.0	995.6	1002.8	1003.8	1005.9	1002.6	1003.8	990.0	998.6	-	990.0
	DAY-HR	-	-	26-06	29-13	11-19	12-09	13-08	02-19	30-05	02-06	17-21	-	OCT
	# OBS	-	-	459	673	693	662	706	743	679	739	515	-	5869

1988	MEAN	-	-	-	1011.1	1015.8	1015.9	1015.9	1013.8	1016.1	1014.5	1010.7	-	1014.4
	MAXIMUM	-	-	-	1026.1	1024.7	1024.7	1024.8	1022.8	1032.7	1032.8	1030.6	-	1032.8
	DAY-HR	-	-	-	09-15	02-17	10-16	05-14	22-18	28-17	06-17	19-00	-	OCT
	MINIMUM	-	-	-	994.9	997.3	1000.2	1004.5	997.5	996.8	989.1	977.5	-	977.5
	DAY-HR	-	-	-	17-18	10-08	22-12	14-01	25-14	20-06	24-06	06-02	-	NOV
	# OBS	-	-	-	529	743	719	742	741	714	742	679	-	5609
1989	MEAN	-	-	-	1017.3	1014.8	1015.4	1017.4	1016.0	1018.4	1016.6	1009.8	1014.8	1015.1
	MAXIMUM	-	-	-	1019.6	1027.6	1028.9	1020.4	1027.8	1034.6	1034.8	1024.7	1030.5	1034.8
	DAY-HR	-	-	-	30-23	28-14	29-14	01-02	18-16	27-15	19-01	29-12	08-02	OCT
	MINIMUM	-	-	-	1015.8	993.9	1007.6	1015.2	1004.7	999.4	998.6	986.1	995.9	986.1
	DAY-HR	-	-	-	30-14	25-10	09-22	03-09	20-21	22-21	06-05	16-19	02-16	NOV
	# OBS	-	-	-	11	728	701	63	436	714	740	717	270	4380
1990	MEAN	-	-	-	-	1014.3	1012.3	1017.4	1018.1	1015.8	1015.4	1016.4	-	1015.6
	MAXIMUM	-	-	-	-	1031.4	1026.2	1028.3	1025.1	1029.8	1028.3	1028.9	-	1031.4
	DAY-HR	-	-	-	-	03-16	11-17	26-14	20-16	03-17	08-16	14-03	-	MAY
	MINIMUM	-	-	-	-	986.9	994.0	1002.2	1005.7	998.5	992.3	997.8	-	986.9
	DAY-HR	-	-	-	-	10-15	23-09	04-09	28-20	14-21	18-19	06-04	-	MAY
	# OBS	-	-	-	-	739	718	738	743	717	742	375	-	4772
1991	MEAN	-	-	-	1013.8	1017.2	1017.4	1014.2	1017.0	1017.9	1015.4	1019.1	-	1016.5
	MAXIMUM	-	-	-	1020.9	1033.9	1028.4	1026.1	1031.7	1032.5	1033.3	1031.3	-	1033.9
	DAY-HR	-	-	-	25-16	18-16	06-16	27-16	24-18	30-01	28-11	09-01	-	MAY
	MINIMUM	-	-	-	1004.0	1003.3	1004.1	1004.4	1003.0	996.4	995.8	999.1	-	995.8
	DAY-HR	-	-	-	30-09	06-11	16-04	06-23	17-19	26-08	05-15	02-04	-	OCT
	# OBS	-	-	-	167	742	719	742	740	718	744	234	-	4806
1992	MEAN	-	-	-	1016.3	1019.1	1013.6	1013.5	1017.0	1017.3	1016.0	1011.9	-	1016.1
	MAXIMUM	-	-	-	1039.1	1031.4	1025.1	1025.1	1027.2	1030.7	1033.8	1029.6	-	1039.1
	DAY-HR	-	-	-	13-13	18-17	16-13	22-15	15-14	24-17	22-13	01-14	-	APR
	MINIMUM	-	-	-	1002.0	998.4	1001.0	1004.0	1001.8	997.3	998.1	998.7	-	997.3
	DAY-HR	-	-	-	22-03	02-16	17-23	13-01	30-10	18-18	12-16	04-10	-	SEP
	# OBS	-	-	-	714	741	720	741	739	718	741	93	-	5207
1993	MEAN	-	-	-	1016.3	1014.5	1015.1	1013.8	1015.6	1014.9	1013.7	-	-	1014.6
	MAXIMUM	-	-	-	1018.8	1027.5	1026.8	1022.0	1025.2	1028.3	1026.9	-	-	1028.3
	DAY-HR	-	-	-	30-23	01-17	12-15	15-13	08-18	16-12	23-04	-	-	SEP
	MINIMUM	-	-	-	1014.5	997.3	999.4	1002.7	1003.3	993.6	994.0	-	-	993.6
	DAY-HR	-	-	-	30-14	14-20	09-22	28-23	02-10	09-19	29-04	-	-	SEP
	# OBS	-	-	-	10	742	719	741	742	718	696	-	-	4368
1994	MEAN	-	-	-	1012.1	1014.7	1013.1	1013.3	1015.5	1016.3	1016.8	1008.8	-	1014.7
	MAXIMUM	-	-	-	1033.0	1026.6	1024.6	1025.1	1025.1	1030.2	1031.1	1016.0	-	1033.0
	DAY-HR	-	-	-	28-14	03-16	19-17	03-16	10-15	04-15	16-16	02-18	-	APR
	MINIMUM	-	-	-	992.5	995.8	997.6	1004.4	997.9	998.0	1003.1	1001.4	-	992.5
	DAY-HR	-	-	-	16-09	11-21	25-13	22-20	28-10	28-09	23-10	01-18	-	APR
	# OBS	-	-	-	452	728	717	475	740	716	740	52	-	4620
1995	MEAN	-	-	1014.6	1013.5	1013.2	1015.3	1011.9	1015.6	1017.6	1009.9	1012.9	-	1013.7
	MAXIMUM	-	-	1016.9	1031.6	1028.3	1026.5	1023.4	1023.4	1028.3	1026.1	1028.8	-	1031.6
	DAY-HR	-	-	31-17	10-16	27-16	16-15	30-15	25-16	10-16	31-15	24-16	-	APR
	MINIMUM	-	-	1013.1	990.3	994.2	999.4	1003.1	1002.3	1003.5	982.3	990.6	-	982.3
	DAY-HR	-	-	30-22	19-08	17-08	07-14	18-08	31-14	13-20	27-20	11-18	-	OCT
	# OBS	-	-	33	718	740	716	742	739	714	740	679	-	5821
1996	MEAN	-	-	-	1009.0	1016.8	1014.4	1013.0	1017.8	1013.3	1015.4	1005.9	-	1014.3
	MAXIMUM	-	-	-	1024.9	1029.6	1025.1	1026.1	1024.7	1025.6	1036.0	1012.8	-	1036.0
	DAY-HR	-	-	-	28-19	06-19	26-15	28-15	19-17	30-16	04-15	02-23	-	OCT
	MINIMUM	-	-	-	984.4	992.3	1001.7	999.6	1010.3	994.4	982.4	1002.1	-	982.4
	DAY-HR	-	-	-	26-00	01-00	22-10	08-22	15-10	14-09	30-13	01-18	-	OCT
	# OBS	-	-	-	520	737	712	840	786	718	708	94	-	5115
1997	MEAN	-	-	-	1012.9	1012.5	1013.9	1014.9	1015.5	1013.5	1016.3	996.6	-	1014.1
	MAXIMUM	-	-	-	1026.8	1030.9	1024.3	1026.8	1024.1	1027.4	1033.2	1005.7	-	1033.2
	DAY-HR	-	-	-	26-16	27-17	08-14	31-12	11-18	03-16	16-16	03-23	-	OCT
	MINIMUM	-	-	-	999.1	983.3	996.7	995.6	995.8	984.1	1001.8	986.9	-	983.3
	DAY-HR	-	-	-	30-23	01-12	16-08	03-12	15-22	29-20	31-12	02-10	-	MAY
	# OBS	-	-	-	442	726	708	724	736	704	735	60	-	4835
1998	MEAN	-	-	-	1019.3	1012.3	1010.0	1013.7	1017.2	1012.8	1019.1	1021.0	-	1014.7
	MAXIMUM	-	-	-	1030.8	1021.2	1023.1	1024.7	1028.5	1023.9	1030.5	1025.0	-	1030.8
	DAY-HR	-	-	-	28-15	22-14	09-05	31-22	01-17	23-16	22-15	02-17	-	APR
	MINIMUM	-	-	-	1005.1	988.1	993.3	1001.8	1000.4	1002.7	1000.8	1017.2	-	988.1
	DAY-HR	-	-	-	24-11	31-12	02-16	01-00	24-08	27-06	18-16	06-13	-	MAY
	# OBS	-	-	-	262	698	684	729	780	706	735	134	-	4728
1999	MEAN	-	-	-	1017.6	1015.1	1015.9	1013.0	1014.9	1014.0	1019.4	1015.8	-	1015.3
	MAXIMUM	-	-	-	1033.7	1027.6	1028.4	1023.6	1030.3	1023.1	1031.1	1040.0	-	1040.0
	DAY-HR	-	-	-	24-14	11-17	19-14	11-16	30-16	17-15	07-11	30-13	-	NOV
	MINIMUM	-	-	-	996.8	991.5	995.5	1000.1	999.5	1001.4	1002.8	999.3	-	991.5
	DAY-HR	-	-	-	16-16	25-15	29-06	31-08	13-19	23-15	01-01	14-05	-	MAY
	# OBS	-	-	-	432	743	719	738	737	713	270	708	-	5060

2000	MEAN	-	-	-	1017.1	1011.9	1013.8	1015.1	1016.0	1015.1	1020.3	1013.2	-	1015.4
	MAXIMUM	-	-	-	1032.7	1024.7	1026.1	1025.2	1029.1	1033.5	1036.2	1027.6	-	1036.2
	DAY-HR	-	-	-	13-03	19-13	03-14	07-16	20-15	05-15	22-16	11-23	-	OCT
	MINIMUM	-	-	-	989.6	995.3	997.4	1004.5	1002.6	995.5	999.2	993.2	-	989.6
	DAY-HR	-	-	-	06-10	24-20	22-10	09-20	07-06	21-05	02-21	10-04	-	APR
	# OBS	-	-	-	602	737	720	742	744	705	737	442	-	5429
2001	MEAN	-	-	-	1017.2	1015.3	1015.5	1015.3	1014.7	1016.4	1013.2	1019.5	-	1015.6
	MAXIMUM	-	-	-	1034.9	1030.8	1025.7	1029.1	1023.9	1031.1	1039.4	1031.9	-	1039.4
	DAY-HR	-	-	-	28-17	05-16	26-13	27-13	24-17	14-14	30-16	12-16	-	OCT
	MINIMUM	-	-	-	993.1	998.5	997.8	1006.2	1003.3	1000.8	983.9	1005.4	-	983.9
	DAY-HR	-	-	-	12-16	22-07	02-01	24-07	17-04	20-10	25-04	01-20	-	OCT
	# OBS	-	-	-	467	714	717	744	743	714	743	404	-	5246
POR	MEAN	-	-	1019.7	1014.2	1014.9	1014.3	1014.4	1016.0	1015.9	1016.5	1015.4	1015.4	1015.3
	MAXIMUM	-	-	1034.7	1039.1	1034.5	1029.2	1029.1	1031.7	1038.1	1039.4	1041.4	1039.3	1041.4
	YEAR	-	-	1987	1992	1987	1984	2001	1991	1985	2001	1984	1986	NOV/1984
	MINIMUM	-	-	1001.0	974.5	983.3	988.8	995.6	995.8	984.1	982.3	977.5	984.3	974.5
	YEAR	-	-	1987	1985	1997	1985	1997	1997	1997	1995	1988	1985	APR/1985
	# OBS	-	-	526	7800	15109	15314	15401	16069	15686	15705	10123	855	112588

STATION: 45003 -- POR (5/1980 - 11/2001)

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

ELEMENT: AVERAGE WIND SPEED (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	7.1	8.4	7.3	8.3	12.2	14.6	15.1	16.1	10.8
	MAXIMUM	-	-	-	-	24.9	23.5	21.4	19.4	29.7	32.9	29.7	31.5	32.9
	DAY-HR	-	-	-	-	31-21	08-15	05-19	16-05	09-20	26-10	01-02	02-22	OCT
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.8	0.2	1.0	1.7	0.0
	DAY-HR	-	-	-	-	28-07	05-10	28-23	19-01	24-07	15-04	12-17	01-16	AUG
	# OBS	-	-	-	-	256	719	737	742	718	741	717	71	4701
1981	MEAN	-	-	-	8.4	8.0	7.8	6.5	6.2	10.2	11.1	11.0	-	8.7
	MAXIMUM	-	-	-	18.7	21.0	16.1	20.0	18.5	29.2	33.0	26.6	-	33.0
	DAY-HR	-	-	-	23-14	30-10	25-17	27-02	14-23	28-04	18-23	27-09	-	OCT
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	30-19	28-20	27-15	26-02	27-09	14-01	11-20	25-04	-	NOV
	# OBS	-	-	-	221	739	357	741	741	716	719	717	-	4951
1982	MEAN	-	-	-	-	6.4	6.6	6.7	7.8	9.0	10.8	12.2	10.4	8.5
	MAXIMUM	-	-	-	-	17.9	19.2	19.2	19.6	21.0	28.0	29.4	14.6	29.4
	DAY-HR	-	-	-	-	05-18	01-12	12-13	27-20	03-14	21-04	12-23	01-02	NOV
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0
	DAY-HR	-	-	-	-	31-01	27-10	24-11	29-11	25-00	31-17	23-17	01-14	NOV
	# OBS	-	-	-	-	678	719	741	742	720	742	715	15	5072
1983	MEAN	-	-	6.7	11.2	10.0	6.6	7.1	8.2	11.0	12.9	14.8	13.3	10.4
	MAXIMUM	-	-	8.4	29.4	25.1	17.5	22.9	23.3	23.5	28.6	26.0	23.5	29.4
	DAY-HR	-	-	31-22	14-14	08-04	26-08	05-09	09-00	06-22	14-16	11-15	11-22	APR
	MINIMUM	-	-	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
	DAY-HR	-	-	30-14	26-12	31-19	28-22	27-00	30-21	01-21	01-15	13-13	13-10	DEC
	# OBS	-	-	34	711	743	716	743	742	719	742	720	328	6198
1984	MEAN	-	-	-	9.8	8.7	8.0	7.2	7.3	10.7	9.8	13.7	-	9.3
	MAXIMUM	-	-	-	25.3	26.8	20.6	18.5	25.3	26.6	23.3	26.6	-	26.8
	DAY-HR	-	-	-	30-23	01-00	11-06	07-02	30-06	26-03	03-17	02-11	-	MAY
	MINIMUM	-	-	-	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	29-00	21-03	22-08	25-20	20-09	24-03	13-02	14-06	-	NOV
	# OBS	-	-	-	244	739	717	740	742	717	740	665	-	5304
1985	MEAN	-	-	-	9.9	7.2	7.9	7.6	7.5	10.1	11.8	13.2	17.1	9.5
	MAXIMUM	-	-	-	31.7	19.2	22.0	20.4	20.4	25.3	26.8	27.8	26.8	31.7
	DAY-HR	-	-	-	06-23	30-13	01-05	22-09	06-06	24-08	05-23	20-09	03-00	APR
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	6.8	0.0
	DAY-HR	-	-	-	21-05	31-03	30-22	31-19	31-12	08-12	30-13	04-01	04-01	OCT
	# OBS	-	-	-	637	729	718	742	741	717	743	719	76	5822
1986	MEAN	-	-	-	-	4.4	7.7	6.1	8.2	9.2	9.4	14.4	18.2	9.1
	MAXIMUM	-	-	-	-	11.7	21.4	23.3	27.2	21.4	27.2	27.2	-	27.2
	DAY-HR	-	-	-	-	30-06	17-01	17-10	23-19	27-13	06-06	14-19	04-11	DEC
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0
	DAY-HR	-	-	-	-	31-21	25-20	31-12	26-23	30-20	30-22	21-22	03-10	NOV
	# OBS	-	-	-	-	268	711	742	736	716	733	694	98	4698
1987	MEAN	-	-	8.8	9.4	7.1	6.5	6.9	10.1	10.0	12.5	13.9	-	9.4
	MAXIMUM	-	-	25.3	27.2	23.3	21.4	21.4	27.2	25.3	31.1	29.2	-	31.1
	DAY-HR	-	-	31-11	30-00	12-00	08-19	14-05	16-17	30-14	01-22	19-11	-	OCT

	MINIMUM	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	
	DAY-HR	-	-	30-00	26-15	31-06	27-13	30-22	29-00	21-14	23-06	11-12	-	NOV
	# OBS	-	-	470	682	707	675	708	743	679	741	516	-	5921
1988	MEAN	-	-	-	12.1	7.9	8.6	6.9	10.0	13.6	15.3	16.3	-	11.3
	MAXIMUM	-	-	-	31.3	33.0	24.7	21.6	28.6	30.1	32.7	35.4	-	35.4
	DAY-HR	-	-	-	18-04	13-14	25-16	30-00	15-08	20-04	29-00	16-15	-	NOV
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	-	0.0
	DAY-HR	-	-	-	23-04	29-04	24-01	26-06	31-09	24-18	19-23	07-08	-	SEP
	# OBS	-	-	-	530	743	719	742	739	715	742	681	-	5611
1989	MEAN	-	-	-	3.6	9.0	7.0	6.2	8.8	11.3	13.3	17.4	15.8	11.5
	MAXIMUM	-	-	-	6.8	24.5	21.8	9.5	20.0	32.9	28.2	39.3	29.5	39.3
	DAY-HR	-	-	-	30-14	26-20	03-07	01-00	17-05	23-02	02-22	20-22	02-10	NOV
	MINIMUM	-	-	-	0.6	0.2	0.4	1.4	0.4	0.6	0.8	0.2	3.7	0.2
	DAY-HR	-	-	-	30-19	15-22	24-14	02-12	28-19	27-13	14-07	07-22	04-09	NOV
	# OBS	-	-	-	11	731	705	65	436	715	740	717	270	4390
1990	MEAN	-	-	-	-	7.8	8.0	6.9	7.4	10.0	11.2	13.4	-	8.9
	MAXIMUM	-	-	-	-	25.9	15.7	16.5	21.0	21.4	28.8	30.1	-	30.1
	DAY-HR	-	-	-	-	11-12	29-04	08-17	19-10	23-02	28-06	11-21	-	NOV
	MINIMUM	-	-	-	-	0.0	0.0	0.4	0.2	0.2	0.2	0.0	-	0.0
	DAY-HR	-	-	-	-	26-10	28-08	13-20	24-04	07-01	22-21	16-15	-	NOV
	# OBS	-	-	-	-	739	718	738	743	717	742	375	-	4772
1991	MEAN	-	-	-	9.5	7.9	7.2	8.6	9.9	13.3	14.1	20.2	-	10.6
	MAXIMUM	-	-	-	19.6	21.0	21.0	26.2	24.1	33.2	29.9	33.4	-	33.4
	DAY-HR	-	-	-	30-13	06-02	29-17	06-23	31-10	27-00	05-07	06-06	-	NOV
	MINIMUM	-	-	-	1.6	0.8	0.2	0.2	0.4	0.2	1.0	4.5	-	0.2
	DAY-HR	-	-	-	24-00	08-15	03-00	07-23	07-01	08-03	13-22	08-23	-	SEP
	# OBS	-	-	-	167	742	719	742	739	718	744	235	-	4806
1992	MEAN	-	-	-	11.1	9.3	7.9	8.0	10.4	12.2	12.7	21.7	-	10.4
	MAXIMUM	-	-	-	30.9	26.0	23.1	24.9	27.6	35.8	33.2	35.8	-	35.8
	DAY-HR	-	-	-	12-08	23-15	18-06	27-15	31-06	29-01	16-21	02-14	-	NOV
	MINIMUM	-	-	-	1.0	0.8	0.2	0.0	0.2	1.0	0.0	4.3	-	0.0
	DAY-HR	-	-	-	18-02	27-23	26-16	24-02	13-20	07-01	27-22	04-05	-	OCT
	# OBS	-	-	-	714	742	720	742	739	718	741	94	-	5210
1993	MEAN	-	-	-	4.7	9.1	7.5	9.0	7.9	11.6	15.9	-	-	10.1
	MAXIMUM	-	-	-	8.0	22.0	21.4	26.2	25.9	28.8	33.4	-	-	33.4
	DAY-HR	-	-	-	30-14	25-13	01-06	29-19	28-06	09-17	21-17	-	-	OCT
	MINIMUM	-	-	-	0.4	0.4	0.0	0.4	0.0	0.0	0.6	-	-	0.0
	DAY-HR	-	-	-	30-20	01-23	13-07	14-17	15-12	22-03	07-16	-	-	SEP
	# OBS	-	-	-	10	742	720	741	742	718	696	-	-	4369
1994	MEAN	-	-	-	12.9	9.0	7.8	7.5	9.8	9.5	13.1	16.6	-	10.0
	MAXIMUM	-	-	-	30.7	24.3	22.2	20.6	28.0	29.5	27.4	29.0	-	30.7
	DAY-HR	-	-	-	17-00	11-15	25-00	21-05	14-21	29-01	29-02	01-13	-	APR
	MINIMUM	-	-	-	1.0	0.4	0.0	0.2	0.0	0.0	0.0	1.2	-	0.0
	DAY-HR	-	-	-	15-06	20-07	23-16	03-12	04-15	03-05	01-04	02-17	-	OCT
	# OBS	-	-	-	452	728	719	477	740	716	740	52	-	4624
1995	MEAN	-	-	11.2	13.1	9.2	7.4	9.5	10.5	12.3	15.9	18.6	-	12.0
	MAXIMUM	-	-	17.3	34.8	27.6	19.2	22.4	28.0	29.2	32.7	36.7	-	36.7
	DAY-HR	-	-	31-07	04-10	14-06	07-20	08-05	21-23	07-13	16-00	12-02	-	NOV
	MINIMUM	-	-	0.4	0.4	0.0	0.0	0.2	0.8	0.0	0.2	0.4	-	0.0
	DAY-HR	-	-	31-19	13-16	31-23	23-22	27-11	19-10	04-10	09-09	29-02	-	SEP
	# OBS	-	-	33	718	740	716	741	739	714	740	679	-	5820
1996	MEAN	-	-	-	12.2	8.0	8.4	8.2	8.9	10.0	14.6	23.9	-	10.1
	MAXIMUM	-	-	-	29.9	24.1	21.2	19.2	21.4	30.1	34.4	29.2	-	34.4
	DAY-HR	-	-	-	13-08	01-03	02-16	20-01	27-06	14-10	02-19	01-00	-	OCT
	MINIMUM	-	-	-	0.4	0.0	0.2	0.0	0.0	0.0	0.6	17.9	-	0.0
	DAY-HR	-	-	-	10-02	27-02	28-05	28-07	18-19	01-10	04-18	02-18	-	SEP
	# OBS	-	-	-	519	737	712	840	786	717	708	94	-	5113
1997	MEAN	-	-	-	9.4	10.7	7.7	7.8	9.7	12.3	14.1	14.9	-	10.4
	MAXIMUM	-	-	-	20.6	25.9	21.2	21.2	24.5	27.8	29.9	20.8	-	29.9
	DAY-HR	-	-	-	17-02	01-17	16-05	08-22	14-01	30-20	14-15	02-14	-	OCT
	MINIMUM	-	-	-	0.0	0.0	0.2	0.0	0.0	0.0	0.0	7.6	-	0.0
	DAY-HR	-	-	-	26-21	27-18	01-23	20-12	30-05	01-10	17-22	02-08	-	OCT
	# OBS	-	-	-	443	724	709	723	735	704	735	60	-	4833
1998	MEAN	-	-	-	7.3	8.1	8.4	9.4	9.1	11.5	13.5	14.1	-	10.0
	MAXIMUM	-	-	-	17.9	24.9	24.9	25.1	22.2	25.7	29.0	20.6	-	29.0
	DAY-HR	-	-	-	26-12	31-18	01-02	23-21	23-12	22-00	01-20	03-02	-	OCT
	MINIMUM	-	-	-	0.0	0.2	0.0	0.0	0.0	0.2	0.0	6.8	-	0.0
	DAY-HR	-	-	-	26-03	14-23	09-21	23-06	03-09	16-21	25-10	06-14	-	OCT
	# OBS	-	-	-	262	698	684	729	780	706	735	134	-	4728
1999	MEAN	-	-	-	8.7	9.7	8.8	9.2	10.3	12.0	14.9	16.4	-	11.0
	MAXIMUM	-	-	-	23.1	25.5	31.1	23.7	27.8	28.0	29.9	35.0	-	35.0
	DAY-HR	-	-	-	23-13	25-21	29-11	09-13	29-01	30-02	08-03	14-14	-	NOV

	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.0	-	0.0
	DAY-HR	-	-	-	28-22	27-16	26-10	26-12	27-04	23-01	04-23	08-03	-	NOV
	# OBS	-	-	-	432	743	720	738	737	713	270	708	-	5061
2000	MEAN	-	-	-	11.4	8.8	8.8	8.8	10.2	14.5	12.3	15.9	-	11.1
	MAXIMUM	-	-	-	31.1	21.0	23.5	26.8	28.4	30.9	26.2	26.8	-	31.1
	DAY-HR	-	-	-	10-08	25-18	16-13	18-03	03-02	21-17	07-02	15-05	-	APR
	MINIMUM	-	-	-	0.2	0.6	0.0	0.0	0.0	0.2	1.0	3.5	-	0.0
	DAY-HR	-	-	-	19-03	01-10	18-15	24-15	01-17	14-01	21-01	08-20	-	AUG
	# OBS	-	-	-	602	737	720	742	744	705	738	442	-	5430
2001	MEAN	-	-	-	13.0	9.5	7.4	8.9	10.2	12.6	16.1	14.0	-	11.2
	MAXIMUM	-	-	-	28.2	21.8	21.6	30.5	23.1	32.9	35.6	34.4	-	35.6
	DAY-HR	-	-	-	17-09	07-21	01-20	01-16	10-08	24-05	26-09	08-21	-	OCT
	MINIMUM	-	-	-	1.6	0.4	0.0	0.2	0.2	0.4	0.2	0.2	-	0.0
	DAY-HR	-	-	-	22-21	27-00	10-10	27-10	31-01	10-21	01-03	17-02	-	JUN
	# OBS	-	-	-	467	714	718	744	743	715	743	404	-	5248
POR	MEAN	-	-	8.8	10.9	8.5	7.8	7.8	8.9	11.3	13.1	15.0	15.2	10.2
	MAXIMUM	-	-	25.3	34.8	33.0	31.1	30.5	28.6	35.8	35.6	39.3	31.5	39.3
	YEAR	-	-	1987	1995	1988	1999	2001	1988	1992	2001	1989	1980	NOV/1989
	MINIMUM	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	-	-	1987	1999	1999	2001	2000	2000	1997	1998	1999	1983	JUN/2001
	# OBS	-	-	537	7822	15119	15331	15398	16071	15693	15715	10138	858	112682

STATION: 45003 -- POR (5/1980 - 11/2001)

2 - HIGHEST 5-SECOND AVERAGE DURING 2 OR 8-MINUTE PERIOD PRIOR TO OBSERVATION TIME -- MONTHLY & ANNUAL BY YEAR

ELEMENT: PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	8.8	10.7	9.3	11.0	16.6	20.0	20.8	22.8	14.5
	MAXIMUM	-	-	-	-	31.1	32.5	27.0	27.4	38.3	47.6	40.6	44.9	47.6
	DAY-HR	-	-	-	-	31-21	08-16	14-20	16-04	26-10	26-13	01-02	02-21	OCT
	# OBS	-	-	-	-	256	719	737	742	718	741	717	71	4701
1981	MEAN	-	-	-	11.6	10.4	9.4	8.3	8.3	14.8	15.4	15.5	-	11.8
	MAXIMUM	-	-	-	30.9	26.0	21.4	27.6	26.8	41.4	42.2	35.2	-	42.2
	DAY-HR	-	-	-	23-14	30-10	25-17	27-02	16-12	28-04	19-00	06-10	-	OCT
	# OBS	-	-	-	221	739	355	741	741	716	719	717	-	4949
1982	MEAN	-	-	-	-	7.8	8.0	8.2	10.1	11.7	14.6	16.7	13.7	11.1
	MAXIMUM	-	-	-	-	22.6	24.5	25.5	26.4	29.9	38.7	41.6	19.2	41.6
	DAY-HR	-	-	-	-	07-01	01-12	12-12	27-20	03-16	21-04	12-23	01-02	NOV
	# OBS	-	-	-	-	676	719	740	742	720	742	715	15	5069
1983	MEAN	-	-	8.8	13.8	12.1	7.8	8.4	10.0	13.8	16.3	19.2	17.6	12.9
	MAXIMUM	-	-	10.7	38.3	31.7	20.8	27.2	27.8	31.3	39.1	38.3	30.9	39.1
	DAY-HR	-	-	31-06	14-15	08-09	26-08	05-09	09-00	06-22	14-13	11-15	11-21	OCT
	# OBS	-	-	34	711	743	716	743	742	719	742	720	328	6198
1984	MEAN	-	-	-	12.6	11.2	9.9	9.1	9.9	15.2	13.7	19.8	-	12.6
	MAXIMUM	-	-	-	38.3	40.6	28.0	27.8	48.0	41.0	34.0	39.7	-	48.0
	DAY-HR	-	-	-	30-22	01-00	11-09	07-03	30-06	26-02	03-15	01-23	-	AUG
	# OBS	-	-	-	244	739	717	740	742	717	740	665	-	5304
1985	MEAN	-	-	-	13.4	9.1	9.9	9.8	10.0	13.9	16.3	19.1	24.8	12.8
	MAXIMUM	-	-	-	45.5	27.8	30.7	28.2	29.2	35.8	37.3	39.7	40.6	45.5
	DAY-HR	-	-	-	06-23	31-23	01-07	22-09	06-06	24-08	06-00	20-09	03-00	APR
	# OBS	-	-	-	637	728	716	742	739	716	743	719	76	5816
1986	MEAN	-	-	-	-	5.3	8.9	7.3	10.1	11.4	11.9	18.2	22.6	11.1
	MAXIMUM	-	-	-	-	15.6	27.2	31.1	33.0	27.2	36.9	38.9	35.0	38.9
	DAY-HR	-	-	-	-	21-10	16-19	17-10	23-19	27-12	06-04	13-01	04-02	NOV
	# OBS	-	-	-	-	268	702	740	730	710	724	676	93	4643
1987	MEAN	-	-	10.9	11.3	8.4	7.7	8.2	12.5	12.4	16.0	17.6	-	11.6
	MAXIMUM	-	-	31.1	35.0	29.2	25.3	27.2	38.9	31.1	38.9	38.9	-	38.9
	DAY-HR	-	-	31-03	01-18	12-00	28-04	14-04	16-17	30-14	01-22	19-11	-	NOV
	# OBS	-	-	436	654	674	635	698	743	679	741	515	-	5775
1988	MEAN	-	-	-	14.6	9.3	10.0	8.3	12.0	16.4	19.1	20.1	-	13.6
	MAXIMUM	-	-	-	38.3	40.8	42.8	25.5	35.4	37.7	42.8	43.4	-	43.4
	DAY-HR	-	-	-	18-12	13-14	19-21	30-08	15-10	20-03	28-02	16-14	-	NOV
	# OBS	-	-	-	530	742	719	742	735	713	742	678	-	5601
1989	MEAN	-	-	-	4.6	10.6	8.2	7.0	10.7	13.9	16.1	21.9	20.4	14.1
	MAXIMUM	-	-	-	7.8	29.9	26.6	10.7	23.5	40.6	34.8	47.4	38.3	47.4
	DAY-HR	-	-	-	30-14	26-20	03-07	01-00	17-06	23-06	02-21	20-23	02-09	NOV

	# OBS	-	-	-	10	726	699	64	436	713	738	717	269	4372
1990	MEAN	-	-	-	-	10.0	10.5	9.0	10.2	14.4	16.1	19.6	-	12.3
	MAXIMUM	-	-	-	-	33.4	22.0	25.9	31.5	33.4	40.8	51.9	-	51.9
	DAY-HR	-	-	-	-	11-12	13-04	16-21	19-10	23-12	28-06	11-21	-	NOV
	# OBS	-	-	-	-	739	718	738	743	717	742	375	-	4772
1991	MEAN	-	-	-	10.8	9.3	8.1	10.1	11.7	16.4	17.0	25.5	-	12.7
	MAXIMUM	-	-	-	22.9	25.3	26.4	33.8	31.9	40.8	37.1	43.2	-	43.2
	DAY-HR	-	-	-	30-13	30-07	29-17	06-23	17-11	27-01	05-07	03-09	-	NOV
	# OBS	-	-	-	167	742	718	741	739	718	744	234	-	4803
1992	MEAN	-	-	-	13.1	10.7	9.0	9.2	12.3	14.7	15.5	26.6	-	12.3
	MAXIMUM	-	-	-	37.7	32.7	28.6	29.5	35.6	43.0	40.8	47.8	-	47.8
	DAY-HR	-	-	-	12-09	23-15	18-05	27-15	31-05	29-01	16-21	02-14	-	NOV
	# OBS	-	-	-	714	741	720	740	739	717	741	93	-	5205
1993	MEAN	-	-	-	5.6	10.6	8.6	10.5	9.3	14.1	19.3	-	-	12.0
	MAXIMUM	-	-	-	8.9	26.4	25.1	32.3	30.5	35.2	43.0	-	-	43.0
	DAY-HR	-	-	-	30-14	28-05	01-04	29-19	28-06	09-17	22-01	-	-	OCT
	# OBS	-	-	-	10	742	718	740	742	718	696	-	-	4366
1994	MEAN	-	-	-	15.4	10.5	8.9	8.8	11.6	11.3	15.8	20.3	-	11.8
	MAXIMUM	-	-	-	41.2	29.0	27.0	25.9	33.4	37.7	35.4	34.8	-	41.2
	DAY-HR	-	-	-	17-00	11-15	25-00	21-05	14-21	29-01	09-23	01-12	-	APR
	# OBS	-	-	-	452	728	716	475	740	713	740	52	-	4616
1995	MEAN	-	-	13.5	15.6	10.6	8.3	11.1	12.4	15.0	19.2	22.9	-	14.3
	MAXIMUM	-	-	20.4	43.2	34.8	22.7	28.0	34.6	36.9	41.2	45.9	-	45.9
	DAY-HR	-	-	31-07	04-08	14-06	07-23	08-02	21-23	07-13	16-00	11-23	-	NOV
	# OBS	-	-	33	718	740	716	741	739	714	740	679	-	5820
1996	MEAN	-	-	-	14.4	9.3	9.5	9.3	10.4	11.8	17.6	29.6	-	11.9
	MAXIMUM	-	-	-	38.1	29.4	25.1	23.5	25.7	36.4	43.9	38.1	-	43.9
	DAY-HR	-	-	-	13-08	01-04	02-15	20-01	27-06	14-10	30-19	01-00	-	OCT
	# OBS	-	-	-	519	737	712	840	786	717	708	94	-	5113
1997	MEAN	-	-	-	10.9	12.4	8.6	9.1	11.4	14.7	17.3	17.6	-	12.2
	MAXIMUM	-	-	-	25.3	31.5	23.9	26.0	28.4	32.7	36.2	25.5	-	36.2
	DAY-HR	-	-	-	17-00	20-00	16-05	28-20	22-10	20-23	14-15	02-13	-	OCT
	# OBS	-	-	-	441	724	709	719	732	703	735	60	-	4823
1998	MEAN	-	-	-	8.4	9.3	9.8	11.1	10.8	13.7	16.4	18.3	-	11.9
	MAXIMUM	-	-	-	21.2	29.9	33.2	32.7	27.6	31.7	36.7	25.3	-	36.7
	DAY-HR	-	-	-	26-12	31-18	12-08	23-20	23-12	22-00	14-00	04-02	-	OCT
	# OBS	-	-	-	262	698	684	729	780	706	735	134	-	4728
1999	MEAN	-	-	-	10.1	11.1	10.2	10.8	12.2	14.5	18.4	20.0	-	13.1
	MAXIMUM	-	-	-	27.4	29.9	36.7	39.5	34.0	35.0	36.5	45.3	-	45.3
	DAY-HR	-	-	-	23-10	25-21	29-11	05-05	29-02	30-02	08-03	14-14	-	NOV
	# OBS	-	-	-	432	743	720	738	737	713	270	708	-	5061
2000	MEAN	-	-	-	13.5	10.1	10.2	10.2	12.1	17.4	14.7	19.4	-	13.1
	MAXIMUM	-	-	-	42.0	26.4	30.7	32.3	33.4	37.3	31.3	34.2	-	42.0
	DAY-HR	-	-	-	10-08	25-18	16-13	18-04	03-02	21-15	28-01	04-22	-	APR
	# OBS	-	-	-	602	737	720	742	744	705	738	442	-	5430
2001	MEAN	-	-	-	15.2	10.8	8.3	10.4	11.9	15.1	19.6	16.9	-	13.3
	MAXIMUM	-	-	-	34.8	29.2	24.9	37.9	28.0	40.8	44.9	42.0	-	44.9
	DAY-HR	-	-	-	24-15	08-01	01-20	01-14	10-09	24-12	26-09	08-20	-	OCT
	# OBS	-	-	-	467	714	718	744	743	712	742	404	-	5244
POR	MEAN	-	-	10.9	13.2	10.1	9.1	9.4	11.0	14.2	16.6	19.5	20.0	12.6
	MAXIMUM	-	-	31.1	45.5	40.8	42.8	39.5	48.0	43.0	47.6	51.9	44.9	51.9
	YEAR	-	-	1987	1985	1988	1988	1999	1984	1992	1980	1990	1980	NOV/1990
	# OBS	-	-	503	7791	15076	15266	15374	16056	15674	15703	10114	852	112409

STATION: 45003 -- POR (4/1996 - 11/2001)

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

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1996	MEAN	-	-	-	16.1	11.0	11.0	10.5	11.6	13.2	38.1	31.2	-	12.4
	MAXIMUM	-	-	-	38.9	47.0	26.4	23.9	27.6	38.9	38.1	38.3	-	47.0
	DAY-HR	-	-	-	20-20	18-16	02-16	20-00	15-01	14-10	31-23	01-06	-	MAY
	MINIMUM	-	-	-	0.8	1.6	2.3	1.7	1.4	1.0	38.1	22.6	-	0.8
	DAY-HR	-	-	-	14-08	27-03	26-17	06-19	21-22	01-09	31-23	02-11	-	APR
	# OBS	-	-	-	544	761	712	817	785	716	1	92	-	4428

1997	MEAN	-	-	-	12.2	14.3	10.0	10.5	12.7	16.2	18.9	19.5	-	13.7
	MAXIMUM	-	-	-	25.3	35.4	36.7	32.9	32.3	33.2	36.5	27.4	-	36.7
	DAY-HR	-	-	-	17-02	01-17	24-06	02-22	15-16	17-08	05-20	02-13	-	JUN
	MINIMUM	-	-	-	1.0	2.3	1.0	1.4	1.0	1.7	1.6	11.3	-	1.0
	DAY-HR	-	-	-	12-05	12-18	01-22	11-02	30-05	15-00	11-09	02-08	-	AUG
	# OBS	-	-	-	420	701	708	716	722	704	734	59	-	4764
1998	MEAN	-	-	-	9.6	10.7	11.4	12.5	12.0	15.3	18.0	20.1	-	13.3
	MAXIMUM	-	-	-	24.7	36.2	38.1	34.6	30.3	41.8	38.7	26.0	-	41.8
	DAY-HR	-	-	-	26-11	31-16	26-02	15-23	23-11	07-18	14-00	04-01	-	SEP
	MINIMUM	-	-	-	1.4	2.5	1.0	1.7	1.7	2.1	1.7	13.8	-	1.0
	DAY-HR	-	-	-	26-03	05-01	09-21	22-19	03-10	16-23	10-18	06-07	-	JUN
	# OBS	-	-	-	263	698	684	728	779	707	735	132	-	4726
1999	MEAN	-	-	-	11.4	12.6	11.8	12.3	13.5	15.9	20.3	21.7	-	14.6
	MAXIMUM	-	-	-	29.7	32.7	38.5	39.5	35.8	36.5	44.7	45.3	-	45.3
	DAY-HR	-	-	-	23-09	25-19	29-10	05-04	13-11	14-17	01-01	14-13	-	NOV
	MINIMUM	-	-	-	2.5	1.6	1.6	1.6	1.6	2.9	3.3	2.3	-	1.6
	DAY-HR	-	-	-	28-21	02-14	21-21	26-13	27-04	27-16	09-14	21-10	-	AUG
	# OBS	-	-	-	433	743	720	738	737	713	270	708	-	5062
2000	MEAN	-	-	5.1	14.7	11.7	11.8	11.5	13.5	19.0	16.1	21.0	-	14.6
	MAXIMUM	-	-	5.1	42.0	28.2	44.7	36.7	34.0	38.5	31.9	35.4	-	44.7
	DAY-HR	-	-	31-23	10-07	25-17	11-02	18-02	03-01	21-17	20-20	15-05	-	JUN
	MINIMUM	-	-	5.1	1.6	2.1	2.3	2.1	2.1	3.1	3.7	6.4	-	1.6
	DAY-HR	-	-	31-23	02-01	20-22	18-15	24-15	30-20	14-01	31-03	08-19	-	APR
	# OBS	-	-	1	707	737	719	742	744	701	737	442	-	5530
2001	MEAN	-	-	-	16.8	12.5	9.7	11.9	13.5	16.7	21.5	18.5	-	14.8
	MAXIMUM	-	-	-	36.0	30.9	31.5	38.3	29.5	43.0	46.5	44.3	-	46.5
	DAY-HR	-	-	-	24-15	24-23	18-23	01-15	10-05	24-11	26-04	08-20	-	OCT
	MINIMUM	-	-	-	2.5	2.7	2.5	1.7	2.1	1.7	1.6	2.9	-	1.6
	DAY-HR	-	-	-	28-17	17-16	23-14	27-10	04-21	30-03	01-02	17-02	-	OCT
	# OBS	-	-	-	467	714	718	744	743	710	742	404	-	5242
POR	MEAN	-	-	5.1	14.0	12.1	10.9	11.5	12.8	16.0	18.8	21.1	-	14.0
	MAXIMUM	-	-	5.1	42.0	47.0	44.7	39.5	35.8	43.0	46.5	45.3	-	47.0
	YEAR	-	-	2000	2000	1996	2000	1999	1999	2001	2001	1999	-	MAY/1996
	MINIMUM	-	-	5.1	0.8	1.6	1.0	1.4	1.0	1.0	1.6	2.3	-	0.8
	YEAR	-	-	2000	1996	1999	1998	1997	1997	1996	2001	1999	-	APR/1996
	# OBS	-	-	1	2834	4354	4261	4485	4510	4251	3219	1837	-	29752

STATION: 45003 -- POR (5/1980 - 11/2001)

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	0.3	0.5	0.4	0.6	1.1	1.4	1.5	1.5	0.9
	MAXIMUM	-	-	-	-	1.8	2.2	1.6	1.8	3.2	4.2	3.4	3.3	4.2
	DAY-HR	-	-	-	-	31-22	08-21	05-22	28-14	26-10	26-23	10-02	02-17	OCT
	# OBS	-	-	-	-	255	719	742	726	704	723	694	63	4626
1981	MEAN	-	-	-	0.7	0.6	0.5	0.4	0.5	1.1	1.3	1.2	-	0.8
	MAXIMUM	-	-	-	2.6	1.8	1.7	2.2	2.1	4.4	3.9	4.0	-	4.4
	DAY-HR	-	-	-	23-17	30-15	25-18	27-04	29-00	28-07	07-05	28-05	-	SEP
	# OBS	-	-	-	221	739	354	647	608	590	451	681	-	4291
1982	MEAN	-	-	-	-	0.3	0.3	0.4	0.7	0.8	1.1	1.3	0.9	0.7
	MAXIMUM	-	-	-	-	1.1	1.4	2.4	2.4	2.7	4.1	4.5	1.2	4.5
	DAY-HR	-	-	-	-	11-16	30-22	12-10	10-06	03-16	21-05	13-02	01-05	NOV
	# OBS	-	-	-	-	663	712	731	737	719	741	714	15	5032
1983	MEAN	-	-	0.3	0.8	0.7	0.3	0.4	0.6	0.9	1.2	1.6	1.4	0.8
	MAXIMUM	-	-	0.4	4.0	2.6	1.8	2.5	2.4	2.9	4.4	3.7	3.5	4.4
	DAY-HR	-	-	31-19	14-19	02-12	09-20	05-11	11-16	16-19	15-00	28-18	12-11	OCT
	# OBS	-	-	34	709	743	714	744	744	720	742	715	327	6192
1984	MEAN	-	-	-	0.7	0.7	-	-	0.7	1.0	0.8	1.5	-	1.0
	MAXIMUM	-	-	-	3.8	4.1	-	-	1.8	3.8	3.1	4.1	-	4.1
	DAY-HR	-	-	-	30-23	01-01	-	-	31-23	26-03	04-01	02-10	-	NOV
	# OBS	-	-	-	240	320	-	-	169	714	734	660	-	2837
1985	MEAN	-	-	-	0.8	0.4	0.5	0.5	0.5	0.8	1.1	1.4	2.0	0.8
	MAXIMUM	-	-	-	4.9	1.6	2.5	2.3	2.2	2.6	3.4	3.6	4.0	4.9
	DAY-HR	-	-	-	07-00	30-14	01-09	22-11	06-12	24-09	06-00	20-11	03-01	APR
	# OBS	-	-	-	634	717	714	734	738	705	738	717	76	5773

1986	MEAN	-	-	-	-	0.1	0.4	0.4	0.6	0.8	0.8	1.4	2.0	0.7
	MAXIMUM	-	-	-	-	0.7	2.1	1.8	2.6	2.5	3.9	4.0	3.0	4.0
	DAY-HR	-	-	-	-	31-20	17-02	04-19	23-21	13-18	06-07	13-03	02-20	NOV
	# OBS	-	-	-	-	263	700	738	708	700	704	642	81	4536
1987	MEAN	-	-	0.5	0.6	0.3	0.3	0.4	0.7	0.7	1.0	1.2	-	0.6
	MAXIMUM	-	-	2.5	3.2	1.8	1.6	1.9	2.5	2.5	3.4	3.6	-	3.6
	DAY-HR	-	-	30-12	01-22	12-05	27-23	14-04	23-04	01-00	10-02	05-16	-	NOV
	# OBS	-	-	386	606	641	592	691	741	680	740	514	-	5591
1988	MEAN	-	-	-	0.7	0.4	0.3	0.3	0.6	0.9	1.1	1.3	-	0.7
	MAXIMUM	-	-	-	3.2	3.2	1.9	1.4	2.7	2.7	3.6	4.2	-	4.2
	DAY-HR	-	-	-	18-13	13-14	25-22	31-04	15-08	20-06	28-05	16-16	-	NOV
	# OBS	-	-	-	526	743	719	740	730	705	738	672	-	5573
1989	MEAN	-	-	-	0.0	0.4	0.2	0.1	0.4	0.7	0.9	1.6	1.3	0.7
	MAXIMUM	-	-	-	0.0	2.1	1.3	0.4	1.7	3.5	3.1	5.0	4.1	5.0
	DAY-HR	-	-	-	30-23	07-18	10-16	01-04	22-21	23-05	04-03	20-22	02-10	NOV
	# OBS	-	-	-	11	714	688	63	434	713	736	713	267	4339
1990	MEAN	-	-	-	-	-	-	-	0.6	1.0	1.3	1.6	-	1.1
	MAXIMUM	-	-	-	-	-	-	-	2.3	3.0	4.4	4.6	-	4.6
	DAY-HR	-	-	-	-	-	-	-	19-12	23-04	28-08	11-21	-	NOV
	# OBS	-	-	-	-	-	-	-	444	717	740	372	-	2273
1991	MEAN	-	-	-	0.3	0.3	0.3	0.4	0.5	0.9	1.1	1.8	-	0.6
	MAXIMUM	-	-	-	1.1	1.6	1.7	2.0	1.6	4.0	2.7	4.3	-	4.3
	DAY-HR	-	-	-	30-21	08-00	27-23	09-01	31-15	27-02	07-03	06-09	-	NOV
	# OBS	-	-	-	165	739	714	741	740	718	744	233	-	4794
1992	MEAN	-	-	-	0.6	0.4	0.3	0.3	0.5	0.9	0.9	2.0	-	0.6
	MAXIMUM	-	-	-	3.0	1.9	2.0	2.1	2.8	4.7	4.1	5.0	-	5.0
	DAY-HR	-	-	-	12-14	23-17	18-07	20-18	31-06	29-01	17-01	02-15	-	NOV
	# OBS	-	-	-	714	741	720	740	739	715	739	92	-	5200
1993	MEAN	-	-	-	0.1	0.4	0.3	0.4	0.4	0.8	1.2	-	-	0.6
	MAXIMUM	-	-	-	0.2	1.7	1.6	2.3	2.2	2.7	4.5	-	-	4.5
	DAY-HR	-	-	-	30-23	25-15	01-07	29-20	28-07	09-18	01-16	-	-	OCT
	# OBS	-	-	-	10	742	716	739	739	717	695	-	-	4358
1994	MEAN	-	-	-	0.9	0.4	0.3	0.3	0.6	0.5	0.9	1.1	-	0.5
	MAXIMUM	-	-	-	3.2	1.9	1.5	1.2	2.7	3.0	2.9	2.5	-	3.2
	DAY-HR	-	-	-	17-02	12-04	01-20	21-08	14-23	28-23	10-00	01-14	-	APR
	# OBS	-	-	-	452	727	709	470	739	708	738	52	-	4595
1995	MEAN	-	-	0.8	0.9	0.4	0.2	0.5	0.5	0.7	1.3	1.6	-	0.8
	MAXIMUM	-	-	1.3	4.3	2.2	1.4	2.1	2.5	3.0	4.2	4.4	-	4.4
	DAY-HR	-	-	31-07	04-11	14-07	08-03	08-04	22-00	23-07	15-22	12-02	-	NOV
	# OBS	-	-	33	718	740	713	742	736	713	740	679	-	5814
1996	MEAN	-	-	-	0.9	0.3	0.3	0.3	0.4	0.6	1.0	2.3	-	0.5
	MAXIMUM	-	-	-	3.2	2.2	2.0	1.1	1.5	2.9	3.6	3.2	-	3.6
	DAY-HR	-	-	-	27-00	01-04	02-18	19-18	10-05	27-13	30-09	01-00	-	OCT
	# OBS	-	-	-	520	734	702	840	786	717	708	94	-	5101
1997	MEAN	-	-	-	0.4	0.6	0.2	0.3	0.5	0.7	1.0	1.0	-	0.5
	MAXIMUM	-	-	-	1.6	2.3	1.5	1.6	2.6	2.3	2.9	1.5	-	2.9
	DAY-HR	-	-	-	17-02	05-21	16-08	04-03	15-18	17-10	10-12	03-23	-	OCT
	# OBS	-	-	-	440	723	707	719	727	704	735	60	-	4815
1998	MEAN	-	-	-	0.2	0.3	0.3	0.4	0.4	0.7	1.0	0.8	-	0.5
	MAXIMUM	-	-	-	1.4	2.1	2.0	2.0	1.5	2.2	3.2	1.3	-	3.2
	DAY-HR	-	-	-	26-13	31-19	01-03	23-22	23-16	22-02	06-17	05-03	-	OCT
	# OBS	-	-	-	260	696	684	726	779	697	735	133	-	4710
1999	MEAN	-	-	-	0.3	0.4	0.4	0.4	0.5	0.7	1.1	1.2	-	0.6
	MAXIMUM	-	-	-	1.7	2.4	2.7	1.8	2.3	2.0	3.0	3.6	-	3.6
	DAY-HR	-	-	-	23-13	25-22	29-13	09-15	29-03	26-18	08-06	14-15	-	NOV
	# OBS	-	-	-	431	743	691	527	737	713	270	708	-	4820
2000	MEAN	-	-	-	0.7	0.4	0.4	0.3	0.5	0.9	0.7	1.1	-	0.6
	MAXIMUM	-	-	-	3.7	1.6	1.6	2.4	2.2	3.0	1.9	2.4	-	3.7
	DAY-HR	-	-	-	10-11	26-00	21-06	18-06	03-03	21-19	07-04	15-07	-	APR
	# OBS	-	-	-	602	737	720	742	744	703	738	442	-	5428
2001	MEAN	-	-	-	0.8	0.4	0.2	0.4	0.5	0.8	1.3	0.9	-	0.6
	MAXIMUM	-	-	-	2.7	1.6	1.6	3.3	1.9	3.0	3.9	3.7	-	3.9
	DAY-HR	-	-	-	22-09	22-07	01-23	01-17	30-18	24-12	26-10	08-22	-	OCT
	# OBS	-	-	-	467	714	718	744	740	712	742	404	-	5241
POR	MEAN	-	-	0.5	0.7	0.4	0.3	0.4	0.5	0.8	1.1	1.4	1.5	0.7
	MAXIMUM	-	-	2.5	4.9	4.1	2.7	3.3	2.8	4.7	4.5	5.0	4.1	5.0
	YEAR	-	-	1987	1985	1984	1999	2001	1992	1992	1993	1992	1989	NOV/1992
	# OBS	-	-	453	7726	13834	13706	13560	14985	15484	15371	9991	829	105939

> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.9	3.5	3.8	4.8	7.3	6.8	10.4	12.4	8.6	5.7	10.2	19.2	6.4	100.0		
TOTAL N	133	538	588	730	1114	1038	1599	1906	1313	878	1568	2949	977		15331	

(* < 0.05%)

STATION: 45003

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

Month: JUL

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.5	*	*	*	*	*	*	0.1	0.1	*	*	*	*	1.9	294
1 - 3		0.5	0.5	0.6	0.8	0.9	1.1	1.3	1.2	1.4	1.3	1.1	0.8	11.5	1766
4 - 6		0.8	0.9	1.1	1.9	1.7	2.5	3.9	3.7	3.4	3.6	3.2	1.5	28.3	4361
7 - 10		0.9	0.7	1.1	1.9	1.8	3.8	5.8	4.2	2.1	3.8	7.2	2.2	35.6	5483
11 - 15		0.5	0.3	0.3	0.9	0.7	1.4	3.5	1.6	0.4	1.7	5.5	1.3	18.0	2779
16 - 20		*	0.1	0.1	0.1	0.1	0.1	0.5	0.2	*	0.4	2.0	0.3	3.8	589
21 - 24		*	*	*	-	*	*	*	*	-	*	0.4	*	0.6	95
25 - 33		-	-	-	-	-	-	*	*	-	-	0.2	*	0.2	31
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	1.5	2.9	2.6	3.1	5.6	5.2	8.9	15.0	11.1	7.4	10.9	19.6	6.2	100.0	
TOTAL N	224	441	396	481	863	802	1373	2317	1711	1141	1675	3023	952		15399

(* < 0.05%)

STATION: 45003

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

Month: AUG

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.2	0.1	*	*	*	*	*	0.1	*	*	0.1	*	*	1.7	271
1 - 3		0.6	0.6	0.6	0.8	0.8	1.1	1.0	1.3	1.2	1.2	1.0	0.8	10.8	1739
4 - 6		1.1	0.8	0.9	1.2	1.6	1.9	2.8	3.0	2.3	2.3	2.6	1.9	22.4	3601
7 - 10		1.1	1.1	0.9	1.7	1.9	3.4	4.9	4.5	2.7	2.3	4.4	2.5	31.3	5033
11 - 15		1.1	1.1	1.3	1.4	1.1	2.0	3.8	2.4	0.8	1.3	4.7	2.3	23.4	3765
16 - 20		0.4	0.5	0.6	0.4	0.2	0.5	0.8	0.6	0.2	0.4	2.5	1.1	8.2	1311
21 - 24		0.2	0.1	*	*	*	*	0.1	*	*	*	1.0	0.2	1.9	301
25 - 33		*	-	-	-	-	*	-	-	-	*	0.2	*	0.3	50
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.2	4.6	4.2	4.3	5.5	5.5	9.0	13.7	11.9	7.1	7.6	16.4	8.8	100.0	
TOTAL N	199	734	675	688	887	887	1450	2209	1913	1144	1222	2643	1420		16071

(* < 0.05%)

STATION: 45003

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	0.5	*	*	-	*	*	*	*	*	*	*	*	*	0.6	93
1 - 3		0.4	0.4	0.4	0.3	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.5	6.1	960
4 - 6		0.8	0.7	0.8	1.0	1.2	1.5	1.7	1.5	1.3	1.0	1.5	1.2	14.2	2228
7 - 10		1.6	1.5	1.1	1.7	1.8	2.4	4.3	3.6	2.2	1.9	3.0	2.5	27.5	4313
11 - 15		1.7	1.6	1.5	1.0	1.3	2.3	5.1	4.1	1.9	1.7	3.5	2.9	28.8	4520
16 - 20		1.2	0.7	0.7	0.6	0.4	1.1	2.5	2.0	1.1	1.2	3.0	2.1	16.5	2593
21 - 24		0.3	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.4	1.4	0.6	4.4	686
25 - 33		0.1	0.2	*	*	*	0.1	*	*	*	0.2	0.8	0.3	1.9	295
34 - 47		-	-	-	-	-	-	-	-	-	*	*	-	0.0	5
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	6.1	5.3	4.6	4.7	5.4	8.0	14.7	12.5	7.4	7.0	13.9	10.0	100.0	
TOTAL N	72	958	832	727	734	843	1253	2300	1956	1158	1100	2185	1575		15693

(* < 0.05%)

STATION: 45003

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	0.6	*	-	-	*	*	*	0.1	*	*	*	*	*	0.8	118
1 - 3		0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.3	0.4	0.3	4.5	705
4 - 6		0.7	0.5	0.9	0.9	0.8	0.8	1.1	1.0	0.8	0.8	1.0	0.9	10.4	1641
7 - 10		1.2	1.3	1.3	1.6	1.5	2.1	2.4	2.7	1.8	1.7	1.7	2.0	21.4	3356
11 - 15		1.1	1.5	1.2	1.8	1.5	2.0	4.7	3.7	2.5	1.9	3.5	2.6	28.2	4429

16 - 20	0.9	0.8	0.9	0.9	0.7	1.6	3.7	3.1	1.7	1.6	3.6	2.1	21.7	3409
21 - 24	0.4	0.3	0.4	0.3	0.2	0.5	1.0	1.1	0.7	1.0	2.3	0.7	8.9	1403
25 - 33	0.2	*	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.7	1.3	0.5	4.1	651
34 - 47	-	-	-	-	-	-	-	-	-	*	*	-	0.0	3
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.6	4.8	4.7	5.2	6.1	5.3	7.7	13.8	12.5	8.3	8.2	13.8	9.1	100.0
TOTAL N	89	762	742	814	956	831	1203	2167	1960	1299	1283	2176	1433	15715

(* < 0.05%)

STATION: 45003

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	0.2	*	-	-	*	*	*	*	*	*	*	-	-	0.4	40
1 - 3	0.3	0.2	0.2	0.3	0.1	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	3.0	309
4 - 6	0.5	0.4	0.2	0.4	0.4	0.6	0.7	0.7	0.8	0.9	0.7	0.5	0.5	6.8	686
7 - 10	1.0	0.8	0.7	0.5	0.9	1.4	2.2	2.0	1.3	1.5	1.5	1.5	1.5	15.4	1563
11 - 15	1.9	1.0	1.2	1.1	1.7	1.9	3.4	3.6	2.6	2.5	3.2	2.9	2.9	26.9	2727
16 - 20	2.1	1.2	1.0	0.9	1.5	1.9	3.0	2.7	3.1	2.7	3.7	3.4	3.4	27.1	2750
21 - 24	0.8	0.5	0.3	0.4	0.4	0.7	0.9	1.2	1.4	2.0	2.6	1.7	1.7	12.8	1296
25 - 33	0.3	0.2	0.1	0.3	0.1	0.2	0.3	0.5	1.4	1.0	2.1	0.8	0.8	7.3	737
34 - 47	*	-	-	*	-	*	*	-	-	-	0.1	0.1	0.1	0.3	30
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	6.9	4.3	3.8	4.0	5.2	6.9	10.8	10.8	10.9	11.0	14.0	11.2	100.0	
TOTAL N	21	700	435	381	406	527	697	1098	1096	1109	1112	1422	1134	10138	

(* < 0.05%)

STATION: 45003

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	0.1	-	-	-	-	-	-	-	-	-	0.1	-	-	0.2	2
1 - 3	0.3	0.5	0.1	0.1	0.5	0.1	0.1	0.1	-	0.1	0.2	0.1	0.1	2.3	20
4 - 6	0.8	0.2	0.3	-	0.2	0.8	0.5	0.7	0.7	0.3	0.7	0.5	0.5	5.8	50
7 - 10	2.2	1.0	0.8	0.2	0.2	0.9	0.5	0.7	2.1	2.0	2.2	1.5	1.5	14.5	124
11 - 15	1.7	1.7	3.6	1.6	0.3	1.5	0.8	1.5	4.1	4.5	2.7	1.6	1.6	25.9	222
16 - 20	2.0	1.9	3.4	2.8	2.7	2.3	0.8	0.5	4.1	3.6	4.0	3.7	3.7	31.7	272
21 - 24	1.6	0.5	0.5	1.2	1.2	0.2	0.7	0.9	0.8	1.6	1.4	3.3	3.3	13.9	119
25 - 33	1.3	0.1	-	-	-	0.6	0.3	-	0.6	0.8	-	2.0	2.0	5.7	49
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	10.0	5.9	8.7	5.9	5.1	6.5	3.7	4.4	12.4	13.2	11.2	12.7	100.0	
TOTAL N	1	86	51	75	51	44	56	32	38	106	113	96	109	858	

(* < 0.05%)

STATION: 45003

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

All Months: Annual

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	*	*	*	*	*	*	0.1	*	*	*	*	*	1.2	1302
1 - 3	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.6	8.0	9030
4 - 6	1.0	1.0	1.1	1.5	1.6	1.8	2.3	2.3	2.0	2.1	2.3	1.6	1.6	20.5	23083
7 - 10	1.3	1.2	1.3	2.0	1.9	2.9	4.0	3.3	1.9	2.7	4.4	2.3	2.3	29.2	32941
11 - 15	1.1	1.0	1.0	1.5	1.2	2.0	3.7	2.4	1.2	1.8	4.4	2.0	2.0	23.1	25982
16 - 20	0.7	0.5	0.6	0.6	0.4	0.9	1.6	1.2	0.8	1.0	2.7	1.3	1.3	12.2	13694
21 - 24	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.4	0.3	0.5	1.2	0.4	0.4	4.0	4534
25 - 33	0.1	0.1	*	0.1	*	0.1	0.1	0.1	0.2	0.3	0.7	0.2	0.2	1.8	2075
34 - 47	*	-	-	*	-	*	*	-	-	*	*	*	*	0.0	41
> 48	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.8	4.9	4.5	4.6	6.4	5.9	8.5	12.8	10.4	7.2	9.1	16.5	8.4	100.0	
TOTAL N	945	5557	5034	5200	7185	6611	9599	14462	11700	8111	10272	18596	9411	112683	

(* < 0.05%)

STATION: 45003

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	0.1	-	-	-	-	-	-	-	-	-	0.1	-	-	0.2	2

1 - 3	0.3	0.5	0.1	0.1	0.5	0.1	0.1	0.1	-	0.1	0.2	0.1	2.3	20
4 - 6	0.8	0.2	0.3	-	0.2	0.8	0.5	0.7	0.7	0.3	0.7	0.5	5.8	50
7 - 10	2.2	1.0	0.8	0.2	0.2	0.9	0.5	0.7	2.1	2.0	2.2	1.5	14.5	124
11 - 15	1.7	1.7	3.6	1.6	0.3	1.5	0.8	1.5	4.1	4.5	2.7	1.6	25.9	222
16 - 20	2.0	1.9	3.4	2.8	2.7	2.3	0.8	0.5	4.1	3.6	4.0	3.7	31.7	272
21 - 24	1.6	0.5	0.5	1.2	1.2	0.2	0.7	0.9	0.8	1.6	1.4	3.3	13.9	119
25 - 33	1.3	0.1	-	-	-	0.6	0.3	-	0.6	0.8	-	2.0	5.7	49
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	10.0	5.9	8.7	5.9	5.1	6.5	3.7	4.4	12.4	13.2	11.2	12.7	100.0
TOTAL N	1	86	51	75	51	44	56	32	38	106	113	96	109	858

(* < 0.05%)

STATION: 45003

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

Months: MAR, APR, MAY (Spring)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.9	*	*	*	*	*	*	*	*	*	*	*	*	1.2	283
1 - 3		0.6	0.5	0.5	0.6	0.6	0.7	0.8	0.9	1.0	0.9	0.9	0.7	8.7	2039
4 - 6		1.5	1.4	1.4	1.9	2.1	2.0	2.3	2.3	2.2	2.5	2.7	2.0	24.3	5701
7 - 10		1.9	1.7	1.8	3.2	2.6	2.8	3.3	2.6	1.5	2.8	4.9	2.7	31.6	7428
11 - 15		1.1	1.2	1.1	2.3	1.2	2.0	2.9	1.1	0.4	1.9	4.7	1.4	21.3	5010
16 - 20		0.4	0.5	0.6	1.0	0.4	0.8	0.9	0.3	0.2	0.8	2.9	0.7	9.4	2218
21 - 24		0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.3	0.9	0.1	2.3	545
25 - 33		*	0.1	0.1	0.1	*	0.1	*	*	*	0.2	0.5	0.1	1.1	251
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	3
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.9	5.7	5.6	5.6	9.3	7.0	8.4	10.4	7.3	5.4	9.4	17.5	7.7	100.0	
TOTAL N	206	1338	1315	1304	2174	1639	1968	2433	1713	1276	2199	4102	1811		23478

(* < 0.05%)

STATION: 45003

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

Months: JUN, JUL, AUG (Summer)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.2	*	*	*	*	*	*	0.1	*	*	0.1	*	*	1.6	766
1 - 3		0.6	0.6	0.6	0.8	0.8	1.0	1.1	1.1	1.1	1.1	1.0	0.8	10.7	4997
4 - 6		1.1	1.1	1.2	1.9	1.9	2.5	3.3	3.3	2.8	3.0	3.3	1.9	27.3	12777
7 - 10		1.1	1.0	1.2	2.0	2.1	3.8	5.2	4.0	2.2	3.5	6.3	2.3	34.5	16157
11 - 15		0.6	0.6	0.7	1.1	0.8	1.8	3.3	1.7	0.5	1.5	5.1	1.5	19.4	9074
16 - 20		0.2	0.2	0.3	0.3	0.1	0.3	0.6	0.3	0.1	0.4	2.0	0.5	5.2	2452
21 - 24		0.1	*	*	*	*	*	0.1	*	*	*	0.6	0.1	1.0	485
25 - 33		*	-	-	-	-	*	*	*	-	*	0.2	*	0.2	92
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	1.2	3.7	3.5	4.1	6.1	5.8	9.4	13.7	10.5	6.8	9.5	18.4	7.2	100.0	
TOTAL N	556	1713	1659	1899	2864	2727	4422	6432	4937	3163	4465	8615	3349		46801

(* < 0.05%)

STATION: 45003

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

Months: SEP, OCT, NOV (Autumn)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	*	*	-	*	*	*	*	*	*	*	*	*	0.6	251
1 - 3		0.4	0.3	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.3	4.8	1974
4 - 6		0.7	0.6	0.7	0.8	0.8	1.0	1.2	1.1	1.0	0.9	1.1	0.9	11.0	4555
7 - 10		1.3	1.2	1.1	1.4	1.5	2.1	3.1	2.9	1.8	1.8	2.1	2.1	22.2	9232
11 - 15		1.5	1.4	1.3	1.4	1.5	2.1	4.6	3.8	2.3	2.0	3.4	2.8	28.1	11676
16 - 20		1.3	0.8	0.9	0.8	0.8	1.5	3.1	2.6	1.8	1.7	3.4	2.4	21.1	8752
21 - 24		0.4	0.3	0.3	0.3	0.2	0.4	0.8	0.9	0.7	1.0	2.0	0.9	8.1	3385
25 - 33		0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.6	1.3	0.5	4.1	1683
34 - 47		*	-	-	*	-	*	*	-	-	*	*	*	0.1	38
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	5.8	4.8	4.6	5.0	5.3	7.6	13.4	12.1	8.6	8.4	13.9	10.0	100.0	
TOTAL N	182	2420	2009	1922	2096	2201	3153	5565	5012	3566	3495	5783	4142		41546

(* < 0.05%)

STATION: 45003

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

Month: MAR

WAVE HEIGHT													
0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-

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	3.8	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	19
1 - 3	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	32
4 - 6	24.9	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	27.2	123
7 - 10	23.4	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	29.4	133
11 - 15	3.1	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-	17.9	81
16 - 20	0.2	7.3	1.8	-	-	-	-	-	-	-	-	-	-	-	-	9.3	42
21 - 24	-	0.4	4.0	0.2	-	-	-	-	-	-	-	-	-	-	-	4.6	21
25 - 33	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.2	1
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	1
TOTAL %	62.5	31.3	6.0	0.2	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	283	142	27	1	0	0	0	0	0	0	0	0	0	0	0		453

(* < 0.05%)

STATION: 45003

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	-	1.0	76
1 - 3	6.2	0.8	0.2	*	-	-	-	-	-	-	-	-	-	-	-	7.3	562
4 - 6	13.9	2.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	16.8	1297
7 - 10	19.2	9.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	28.5	2203
11 - 15	5.3	18.6	1.0	0.1	-	-	-	-	-	-	-	-	-	-	-	24.9	1927
16 - 20	0.2	9.7	4.4	0.2	-	-	-	-	-	-	-	-	-	-	-	14.5	1119
21 - 24	-	0.9	2.7	0.4	0.1	-	-	-	-	-	-	-	-	-	-	4.1	315
25 - 33	*	0.1	1.2	1.2	0.3	*	-	-	-	-	-	-	-	-	-	2.8	219
34 - 47	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	3
> 48	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
TOTAL %	45.7	42.1	9.8	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3532	3252	759	150	30	3	0	0	0	0	0	0	0	0	0		7726

(* < 0.05%)

STATION: 45003

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	-	1.2	160
1 - 3	8.5	0.8	*	-	-	-	-	-	-	-	-	-	-	-	-	9.3	1280
4 - 6	25.3	2.5	*	-	-	-	-	-	-	-	-	-	-	-	-	27.8	3850
7 - 10	25.5	7.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	33.3	4613
11 - 15	5.9	13.4	0.4	*	-	-	-	-	-	-	-	-	-	-	-	19.7	2732
16 - 20	0.2	5.5	1.3	*	*	-	-	-	-	-	-	-	-	-	-	7.0	973
21 - 24	*	0.4	0.9	*	*	-	-	-	-	-	-	-	-	-	-	1.4	187
25 - 33	-	*	0.1	*	*	-	-	-	-	-	-	-	-	-	-	0.2	25
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	14
TOTAL %	66.5	30.5	2.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	9202	4222	389	16	5	0	0	0	0	0	0	0	0	0	0		13834

(* < 0.05%)

STATION: 45003

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	-	1.3	176
1 - 3	9.3	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	1360
4 - 6	29.3	2.5	*	-	-	-	-	-	-	-	-	-	-	-	-	31.9	4367
7 - 10	28.6	7.7	*	-	-	-	-	-	-	-	-	-	-	-	-	36.3	4979
11 - 15	5.6	10.3	0.2	-	-	-	-	-	-	-	-	-	-	-	-	16.1	2200
16 - 20	0.2	2.9	0.7	-	-	-	-	-	-	-	-	-	-	-	-	3.8	518
21 - 24	*	0.3	0.3	*	-	-	-	-	-	-	-	-	-	-	-	0.6	86
25 - 33	-	*	*	*	-	-	-	-	-	-	-	-	-	-	-	0.1	11
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	9
TOTAL %	74.3	24.4	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	10182	3345	172	7	0	0	0	0	0	0	0	0	0	0	0		13706

(* < 0.05%)

STATION: 45003

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	-	1.9	263
1 - 3	10.1	1.1	*	-	-	-	-	-	-	-	-	-	-	-	-	11.2	1513
4 - 6	24.3	3.3	*	-	-	-	-	-	-	-	-	-	-	-	-	27.6	3747
7 - 10	25.6	9.8	*	-	-	-	-	-	-	-	-	-	-	-	-	35.4	4804
11 - 15	5.5	12.9	0.3	-	-	-	-	-	-	-	-	-	-	-	-	18.7	2536
16 - 20	0.1	3.2	0.7	*	-	-	-	-	-	-	-	-	-	-	-	4.1	557
21 - 24	*	0.2	0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.7	94
25 - 33	-	*	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	31
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	15
TOTAL %	67.5	30.7	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	9153	4166	231	10	0	0	0	0	0	0	0	0	0	0	0		13560

(* < 0.05%)

STATION: 45003

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

Month: AUG

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.5	218
1 - 3	9.1	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	10.5	1572
4 - 6	17.7	4.1	*	-	-	-	-	-	-	-	-	-	-	-	-	21.8	3265
7 - 10	18.1	12.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	31.0	4651
11 - 15	4.4	19.2	0.7	-	-	-	-	-	-	-	-	-	-	-	-	24.2	3631
16 - 20	0.2	6.5	1.9	-	-	-	-	-	-	-	-	-	-	-	-	8.6	1292
21 - 24	*	0.6	1.3	*	-	-	-	-	-	-	-	-	-	-	-	2.0	299
25 - 33	-	*	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	0.3	50
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	7
TOTAL %	50.8	44.8	4.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	7614	6711	640	20	0	0	0	0	0	0	0	0	0	0	0		14985

(* < 0.05%)

STATION: 45003

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	-	0.6	93
1 - 3	4.7	1.3	*	-	-	-	-	-	-	-	-	-	-	-	-	6.1	937
4 - 6	9.6	4.4	*	-	-	-	-	-	-	-	-	-	-	-	-	14.1	2181
7 - 10	11.9	15.2	0.3	-	-	-	-	-	-	-	-	-	-	-	-	27.4	4243
11 - 15	3.2	23.5	2.2	*	-	-	-	-	-	-	-	-	-	-	-	28.9	4475
16 - 20	0.1	10.8	5.4	0.4	*	-	-	-	-	-	-	-	-	-	-	16.6	2570
21 - 24	*	1.1	2.9	0.4	*	-	-	-	-	-	-	-	-	-	-	4.4	684
25 - 33	-	0.1	0.9	0.8	0.1	-	-	-	-	-	-	-	-	-	-	1.9	292
34 - 47	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.0	5
> 48	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	30.0	56.6	11.7	1.6	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	4639	8757	1811	246	30	1	0	0	0	0	0	0	0	0	0		15484

(* < 0.05%)

STATION: 45003

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

Month: OCT

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.7	115
1 - 3	3.1	1.4	*	-	-	-	-	-	-	-	-	-	-	-	-	4.4	684
4 - 6	6.2	4.0	0.1	*	-	-	-	-	-	-	-	-	-	-	-	10.3	1576
7 - 10	7.8	13.0	0.4	*	*	-	-	-	-	-	-	-	-	-	-	21.2	3257
11 - 15	2.2	22.6	3.3	0.1	-	-	-	-	-	-	-	-	-	-	-	28.2	4340
16 - 20	0.1	12.4	8.5	0.9	*	-	-	-	-	-	-	-	-	-	-	21.9	3368

21 - 24	*	1.4	6.2	1.4	0.1	-	-	-	-	-	-	-	-	-	-	9.1	1392
25 - 33	-	0.1	1.4	2.0	0.6	*	-	-	-	-	-	-	-	-	-	4.1	632
34 - 47	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	3
> 48	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	19.9	55.0	19.9	4.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3066	8451	3064	679	110	1	0	0	0	0	0	0	0	0	0		15371

(* < 0.05%)

STATION: 45003

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

Month: NOV

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
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			
0		0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	38
1 - 3		1.8	1.2	*	-	-	-	-	-	-	-	-	-	-	-	-	3.1	305
4 - 6		3.0	3.6	*	-	-	-	-	-	-	-	-	-	-	-	-	6.7	666
7 - 10		4.0	11.0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	15.5	1547
11 - 15		1.3	20.9	4.8	0.1	-	-	-	-	-	-	-	-	-	-	-	27.1	2707
16 - 20		0.1	10.6	14.1	2.2	*	-	-	-	-	-	-	-	-	-	-	27.0	2699
21 - 24		-	1.2	7.7	3.4	0.4	-	-	-	-	-	-	-	-	-	-	12.8	1275
25 - 33		-	*	2.1	4.3	0.7	0.1	-	-	-	-	-	-	-	-	-	7.2	724
34 - 47		-	-	-	*	0.2	0.1	-	-	-	-	-	-	-	-	-	0.3	29
> 48		-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %		10.5	48.7	29.3	10.1	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		1047	4869	2923	1011	126	15	0	0	0	0	0	0	0	0	0		9991

(* < 0.05%)

STATION: 45003

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

Month: DEC

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
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			
0		0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	2
1 - 3		1.2	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	20
4 - 6		2.3	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	50
7 - 10		3.0	11.0	0.8	0.1	-	-	-	-	-	-	-	-	-	-	-	15.0	124
11 - 15		0.7	19.1	6.2	0.6	-	-	-	-	-	-	-	-	-	-	-	26.5	220
16 - 20		-	7.2	21.7	3.0	0.1	-	-	-	-	-	-	-	-	-	-	32.1	266
21 - 24		-	0.1	8.1	4.8	0.2	-	-	-	-	-	-	-	-	-	-	13.3	110
25 - 33		-	0.1	0.7	2.5	1.1	-	-	-	-	-	-	-	-	-	-	4.5	37
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %		7.4	42.6	37.5	11.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		61	353	311	92	12	0	0	0	0	0	0	0	0	0	0		829

(* < 0.05%)

STATION: 45003

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

All Months: Annual

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
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			
0		1.0	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	1.1	1160
1 - 3		6.7	1.1	*	*	-	-	-	-	-	-	-	-	-	-	-	7.8	8265
4 - 6		16.4	3.5	*	*	-	-	-	-	-	-	-	-	-	-	-	19.9	21122
7 - 10		17.6	11.0	0.2	*	*	-	-	-	-	-	-	-	-	-	-	28.8	30554
11 - 15		4.1	17.7	1.6	*	-	-	-	-	-	-	-	-	-	-	-	23.5	24849
16 - 20		0.1	7.6	4.5	0.4	*	-	-	-	-	-	-	-	-	-	-	12.7	13404
21 - 24		*	0.7	2.7	0.7	0.1	-	-	-	-	-	-	-	-	-	-	4.2	4463
25 - 33		*	*	0.7	1.0	0.2	*	-	-	-	-	-	-	-	-	-	1.9	2022
34 - 47		-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	40
> 48		*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	60
TOTAL %		46.0	41.8	9.7	2.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		48779	44268	10327	2232	313	20	0	0	0	0	0	0	0	0	0		105939

(* < 0.05%)

STATION: 45003

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

Months: DEC, JAN, FEB (Winter)

WAVE HEIGHT

	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
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			
0	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	2
1 - 3	1.2	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	20
4 - 6	2.3	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	50
7 - 10	3.0	11.0	0.8	0.1	-	-	-	-	-	-	-	-	-	-	-	15.0	124
11 - 15	0.7	19.1	6.2	0.6	-	-	-	-	-	-	-	-	-	-	-	26.5	220
16 - 20	-	7.2	21.7	3.0	0.1	-	-	-	-	-	-	-	-	-	-	32.1	266
21 - 24	-	0.1	8.1	4.8	0.2	-	-	-	-	-	-	-	-	-	-	13.3	110
25 - 33	-	0.1	0.7	2.5	1.1	-	-	-	-	-	-	-	-	-	-	4.5	37
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	7.4	42.6	37.5	11.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	61	353	311	92	12	0	0	0	0	0	0	0	0	0	0		829

(* < 0.05%)

STATION: 45003

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

Months: MAR, APR, MAY (Spring)

	WAVE HEIGHT																
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
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			
0	1.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	255
1 - 3	7.7	0.8	0.1	*	-	-	-	-	-	-	-	-	-	-	-	8.5	1874
4 - 6	21.3	2.6	*	-	-	-	-	-	-	-	-	-	-	-	-	23.9	5270
7 - 10	23.2	8.2	0.1	*	-	-	-	-	-	-	-	-	-	-	-	31.6	6949
11 - 15	5.6	15.3	0.6	*	-	-	-	-	-	-	-	-	-	-	-	21.5	4740
16 - 20	0.2	7.0	2.4	0.1	*	-	-	-	-	-	-	-	-	-	-	9.7	2134
21 - 24	*	0.6	1.6	0.2	*	-	-	-	-	-	-	-	-	-	-	2.4	523
25 - 33	*	*	0.5	0.5	0.1	*	-	-	-	-	-	-	-	-	-	1.1	245
34 - 47	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	3
> 48	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	20
TOTAL %	59.1	34.6	5.3	0.8	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	13017	7616	1175	167	35	3	0	0	0	0	0	0	0	0	0		22013

(* < 0.05%)

STATION: 45003

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

Months: JUN, JUL, AUG (Summer)

	WAVE HEIGHT																
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
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			
0	1.4	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	1.6	657
1 - 3	9.5	1.0	*	-	-	-	-	-	-	-	-	-	-	-	-	10.5	4445
4 - 6	23.6	3.3	*	-	-	-	-	-	-	-	-	-	-	-	-	26.9	11379
7 - 10	23.9	10.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	34.2	14434
11 - 15	5.1	14.3	0.4	-	-	-	-	-	-	-	-	-	-	-	-	19.8	8367
16 - 20	0.2	4.3	1.1	*	-	-	-	-	-	-	-	-	-	-	-	5.6	2367
21 - 24	*	0.4	0.7	*	-	-	-	-	-	-	-	-	-	-	-	1.1	479
25 - 33	-	*	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	92
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	31
TOTAL %	63.8	33.7	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	26949	14222	1043	37	0	0	0	0	0	0	0	0	0	0	0		42251

(* < 0.05%)

STATION: 45003

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

Months: SEP, OCT, NOV (Autumn)

	WAVE HEIGHT																
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
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			
0	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	246
1 - 3	3.4	1.3	*	-	-	-	-	-	-	-	-	-	-	-	-	4.7	1926
4 - 6	6.7	4.1	*	*	-	-	-	-	-	-	-	-	-	-	-	10.8	4423
7 - 10	8.4	13.3	0.4	*	*	-	-	-	-	-	-	-	-	-	-	22.1	9047
11 - 15	2.3	22.5	3.2	0.1	-	-	-	-	-	-	-	-	-	-	-	28.2	11522
16 - 20	0.1	11.4	8.7	1.0	*	-	-	-	-	-	-	-	-	-	-	21.1	8637
21 - 24	*	1.2	5.3	1.5	0.1	-	-	-	-	-	-	-	-	-	-	8.2	3351
25 - 33	-	0.1	1.4	2.1	0.4	*	-	-	-	-	-	-	-	-	-	4.0	1648
34 - 47	-	-	-	*	0.1	*	-	-	-	-	-	-	-	-	-	0.1	37
> 48	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	9
TOTAL %	21.4	54.0	19.1	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	8752	22077	7798	1936	266	17	0	0	0	0	0	0	0	0	0		40846

(* < 0.05%)

9.5 - 10.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	74.3	24.4	1.3	0.1	0.0	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	10170	3345	172	7	0	0	0	0	0	0	0	0	0	0	0	0		13694

(* < 0.05%)

STATION: 45003

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	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	13.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.5	1827
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.8	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	246
2.5 - 3.4	31.7	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.6	4692
3.5 - 4.4	19.1	15.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	34.5	4676
4.5 - 5.4	1.3	10.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	1642
5.5 - 6.4	*	1.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	363
6.5 - 7.4	0.2	*	0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	0.7	97
7.5 - 8.4	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	11
8.5 - 9.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
9.5 - 10.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	67.5	30.7	1.7	0.1	0.0	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	9152	4165	231	10	0	0	0	0	0	0	0	0	0	0	0	0		13558

(* < 0.05%)

STATION: 45003

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0- < 0.5	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	10.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	1613
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	167
2.5 - 3.4	23.8	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.9	4188
3.5 - 4.4	14.1	21.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	35.6	5341
4.5 - 5.4	1.0	15.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	17.3	2594
5.5 - 6.4	*	3.5	2.6	*	-	-	-	-	-	-	-	-	-	-	-	-	6.0	904
6.5 - 7.4	*	0.1	0.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.1	171
7.5 - 8.4	*	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	5
8.5 - 9.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	50.8	44.8	4.3	0.1	0.0	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	7613	6711	640	20	0	0	0	0	0	0	0	0	0	0	0	0		14984

(* < 0.05%)

STATION: 45003

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0- < 0.5	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	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	728
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	94
2.5 - 3.4	14.8	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.3	2984
3.5 - 4.4	8.9	22.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	31.8	4916
4.5 - 5.4	0.9	22.2	2.3	*	-	-	-	-	-	-	-	-	-	-	-	-	25.5	3949
5.5 - 6.4	*	6.6	7.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	13.8	2141
6.5 - 7.4	-	0.4	2.2	0.9	-	-	-	-	-	-	-	-	-	-	-	-	3.5	541
7.5 - 8.4	*	-	0.1	0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	0.8	127
8.5 - 9.4	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	30.0	56.6	11.7	1.6	0.2	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	4638	8756	1811	246	30	1	0	0	0	0	0	0	0	0	0	0		15482

(* < 0.05%)

STATION: 45003

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

10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	46.0	41.8	9.7	2.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	48762	44263	10326	2232	313	19	0	0	0	0	0	0	0	0	0		105915

(* < 0.05%)

STATION: 45003

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

Months: DEC, JAN, FEB (Winter)

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WAVE PERIOD		0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
< 0.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4		0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	6
2.5 - 3.4		4.0	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	56
3.5 - 4.4		2.5	16.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	19.0	157
4.5 - 5.4		0.1	18.7	8.5	-	-	-	-	-	-	-	-	-	-	-	-	27.3	226
5.5 - 6.4		-	4.5	21.4	1.6	-	-	-	-	-	-	-	-	-	-	-	27.4	227
6.5 - 7.4		-	0.5	6.4	6.9	0.1	-	-	-	-	-	-	-	-	-	-	13.9	115
7.5 - 8.4		-	-	1.0	2.5	1.1	-	-	-	-	-	-	-	-	-	-	4.6	38
8.5 - 9.4		-	-	-	0.1	0.2	-	-	-	-	-	-	-	-	-	-	0.4	3
TOTAL %		7.4	42.6	37.4	11.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		61	353	310	92	12	0	0	0	0	0	0	0	0	0	0		828

(* < 0.05%)

STATION: 45003

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

Months: MAR, APR, MAY (Spring)

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WAVE PERIOD		0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
< 0.5		17.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.1	3757
0.5 - 1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4		1.7	*	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	381
2.5 - 3.4		26.6	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	29.7	6538
3.5 - 4.4		13.0	16.0	*	-	-	-	-	-	-	-	-	-	-	-	-	29.0	6384
4.5 - 5.4		0.7	13.0	1.1	-	-	-	-	-	-	-	-	-	-	-	-	14.8	3259
5.5 - 6.4		*	2.4	3.4	0.1	-	-	-	-	-	-	-	-	-	-	-	5.9	1289
6.5 - 7.4		-	0.1	0.8	0.5	*	-	-	-	-	-	-	-	-	-	-	1.4	300
7.5 - 8.4		*	*	0.1	0.2	0.1	*	-	-	-	-	-	-	-	-	-	0.4	94
8.5 - 9.4		*	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.0	8
TOTAL %		59.1	34.6	5.3	0.8	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		13015	7616	1175	167	35	2	0	0	0	0	0	0	0	0	0		22010

(* < 0.05%)

STATION: 45003

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

Months: JUN, JUL, AUG (Summer)

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WAVE PERIOD		0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
< 0.5		15.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8	6678
0.5 - 1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4		1.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	652
2.5 - 3.4		28.9	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	32.2	13601
3.5 - 4.4		16.3	16.6	*	-	-	-	-	-	-	-	-	-	-	-	-	33.0	13920
4.5 - 5.4		1.1	11.5	0.4	-	-	-	-	-	-	-	-	-	-	-	-	13.0	5471
5.5 - 6.4		*	2.2	1.5	*	-	-	-	-	-	-	-	-	-	-	-	3.8	1584
6.5 - 7.4		0.1	0.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	0.7	308
7.5 - 8.4		*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	16
8.5 - 9.4		*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	3
9.5 - 10.4		*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
10.5 - 11.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4		-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %		63.8	33.7	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		26935	14221	1043	37	0	0	0	0	0	0	0	0	0	0	0		42236

(* < 0.05%)

STATION: 45003

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4		3.0	1244
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	242
2.5 - 3.4	10.7	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	14.6	5956
3.5 - 4.4	6.3	20.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	26.7	10909
4.5 - 5.4	0.7	21.9	3.7	*	-	-	-	-	-	-	-	-	-	-	-	26.3	10749
5.5 - 6.4	*	7.3	10.6	0.6	*	-	-	-	-	-	-	-	-	-	-	18.5	7569
6.5 - 7.4	-	0.6	4.4	2.5	0.1	-	-	-	-	-	-	-	-	-	-	7.5	3071
7.5 - 8.4	*	*	0.4	1.7	0.6	*	-	-	-	-	-	-	-	-	-	2.6	1071
8.5 - 9.4	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.1	30
TOTAL %	21.4	54.0	19.1	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	8751	22073	7798	1936	266	17	0	0	0	0	0	0	0	0	0		40841

(* < 0.05%)

STATION: 45003

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	7
2.5 - 3.4	56.3	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-	66.0	299
3.5 - 4.4	4.6	21.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	26.5	120
4.5 - 5.4	-	-	5.7	-	-	-	-	-	-	-	-	-	-	-	-	5.7	26
5.5 - 6.4	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	0.2	1
TOTAL %	62.5	31.3	6.0	0.2	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	283	142	27	1	0	0	0	0	0	0	0	0	0	0	0		453

(* < 0.05%)

STATION: 45003

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

Month: APR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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		11.3	874
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	53
2.5 - 3.4	30.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	40.5	3126
3.5 - 4.4	3.6	29.9	1.7	-	-	-	-	-	-	-	-	-	-	-	-	35.3	2724
4.5 - 5.4	0.1	1.7	7.9	0.6	-	-	-	-	-	-	-	-	-	-	-	10.2	788
5.5 - 6.4	-	-	0.2	1.4	0.3	-	-	-	-	-	-	-	-	-	-	1.9	148
6.5 - 7.4	*	-	-	*	0.1	*	-	-	-	-	-	-	-	-	-	0.1	11
7.5 - 8.4	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	45.7	42.1	9.8	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3532	3252	759	150	30	3	0	0	0	0	0	0	0	0	0		7726

(* < 0.05%)

STATION: 45003

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

Month: MAY

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4		20.8	2883
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	281
2.5 - 3.4	38.5	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	46.5	6427
3.5 - 4.4	5.1	21.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	27.3	3773
4.5 - 5.4	*	1.1	2.0	0.1	-	-	-	-	-	-	-	-	-	-	-	3.3	452
5.5 - 6.4	-	*	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	16
TOTAL %	66.5	30.5	2.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	9200	4222	389	16	5	0	0	0	0	0	0	0	0	0	0		13832

(* < 0.05%)

STATION: 45003

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	23.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.7	3238
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	202
2.5 - 3.4	44.0	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.4	7043
3.5 - 4.4	5.1	16.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	21.5	2946
4.5 - 5.4	*	0.8	1.0	*	-	-	-	-	-	-	-	-	-	-	-	-	1.9	257
5.5 - 6.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	5
TOTAL %	74.3	24.4	1.3	0.1	0.0	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	10169	3343	172	7	0	0	0	0	0	0	0	0	0	0	0	0		13691

(* < 0.05%)

STATION: 45003

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	13.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.5	1827
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	206
2.5 - 3.4	45.7	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.4	7509
3.5 - 4.4	6.8	19.9	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	27.1	3668
4.5 - 5.4	0.1	1.1	1.3	*	-	-	-	-	-	-	-	-	-	-	-	-	2.4	331
5.5 - 6.4	*	*	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	19
TOTAL %	67.5	30.7	1.7	0.1	0.0	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	9153	4166	231	10	0	0	0	0	0	0	0	0	0	0	0	0		13560

(* < 0.05%)

STATION: 45003

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4			
< 0.5	10.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	1613
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.9	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	131
2.5 - 3.4	34.2	12.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.8	7013
3.5 - 4.4	4.9	30.3	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	36.3	5434
4.5 - 5.4	*	1.9	3.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	5.1	762
5.5 - 6.4	-	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.2	31
TOTAL %	50.8	44.8	4.3	0.1	0.0	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	7613	6711	640	20	0	0	0	0	0	0	0	0	0	0	0	0		14984

(* < 0.05%)

STATION: 45003

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4			
< 0.5	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	728
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	53
2.5 - 3.4	21.6	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.5	5341
3.5 - 4.4	3.3	40.3	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	47.0	7276
4.5 - 5.4	-	3.3	8.1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	12.1	1879
5.5 - 6.4	-	-	0.3	0.9	0.1	-	-	-	-	-	-	-	-	-	-	-	1.3	197
6.5 - 7.4	-	-	-	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	10
TOTAL %	30.0	56.6	11.7	1.6	0.2	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	4639	8757	1811	246	30	1	0	0	0	0	0	0	0	0	0	0		15484

(* < 0.05%)

STATION: 45003

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

Month: OCT

WAVE HEIGHT

WAVE PERIOD	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
< 0.5	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	-	3.2	490
0.5 - 1.4	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
2.5 - 3.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	54
3.5 - 4.4	14.0	10.6	-	-	-	-	-	-	-	-	-	-	-	-	-	24.6	3784
4.5 - 5.4	2.4	39.8	5.1	*	-	-	-	-	-	-	-	-	-	-	-	47.3	7274
5.5 - 6.4	*	4.5	14.0	1.6	-	-	-	-	-	-	-	-	-	-	-	20.1	3088
6.5 - 7.4	-	*	0.8	2.8	0.5	-	-	-	-	-	-	-	-	-	-	4.2	647
TOTAL %	-	-	-	*	0.2	*	-	-	-	-	-	-	-	-	-	0.2	34
TOTAL %	19.9	55.0	19.9	4.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3066	8451	3064	679	110	1	0	0	0	0	0	0	0	0	0		15371

(* < 0.05%)

STATION: 45003

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

Month: NOV

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	7.3	734
0.5 - 1.4	1.2	3.7	1.8	0.7	*	-	-	-	-	-	-	-	-	-	-	-	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
2.5 - 3.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
3.5 - 4.4	7.9	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	17.8	1774
4.5 - 5.4	1.0	32.3	7.4	*	-	-	-	-	-	-	-	-	-	-	-	40.8	4072
5.5 - 6.4	*	2.8	19.4	5.0	-	-	-	-	-	-	-	-	-	-	-	27.2	2718
6.5 - 7.4	-	*	0.6	4.5	1.0	*	-	-	-	-	-	-	-	-	-	6.1	608
TOTAL %	-	-	-	*	0.3	0.1	-	-	-	-	-	-	-	-	-	0.4	42
TOTAL %	10.5	48.7	29.3	10.1	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1047	4869	2923	1011	126	15	0	0	0	0	0	0	0	0	0		9991

(* < 0.05%)

STATION: 45003

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	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
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
2.5 - 3.4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
3.5 - 4.4	6.4	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	126
4.5 - 5.4	0.5	33.1	14.1	-	-	-	-	-	-	-	-	-	-	-	-	47.6	395
5.5 - 6.4	-	0.7	23.0	7.1	-	-	-	-	-	-	-	-	-	-	-	30.9	256
6.5 - 7.4	-	-	0.2	4.0	0.8	-	-	-	-	-	-	-	-	-	-	5.1	42
TOTAL %	-	-	0.1	-	0.6	-	-	-	-	-	-	-	-	-	-	0.7	6
TOTAL %	7.4	42.6	37.5	11.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	61	353	311	92	12	0	0	0	0	0	0	0	0	0	0		829

(* < 0.05%)

STATION: 45003

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-	0.5-	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	-	11.7	12387
0.5 - 1.4	11.1	0.4	0.2	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
2.5 - 3.4	1.0	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
3.5 - 4.4	29.8	10.3	-	-	-	-	-	-	-	-	-	-	-	-	-	40.1	42442
4.5 - 5.4	4.1	29.0	2.5	*	-	-	-	-	-	-	-	-	-	-	-	35.6	37682
5.5 - 6.4	*	2.2	6.8	0.9	-	-	-	-	-	-	-	-	-	-	-	10.0	10557
6.5 - 7.4	*	*	0.3	1.1	0.2	*	-	-	-	-	-	-	-	-	-	1.6	1714
7.5 - 8.4	*	-	*	*	0.1	*	-	-	-	-	-	-	-	-	-	0.1	103
TOTAL %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	46.0	41.8	9.7	2.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	48763	44266	10327	2232	313	20	0	0	0	0	0	0	0	0	0		105921

(* < 0.05%)

STATION: 45003

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	0.4	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 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	6.4	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	4
3.5 - 4.4	0.5	33.1	14.1	-	-	-	-	-	-	-	-	-	-	-	-	15.2	126
4.5 - 5.4	-	0.7	23.0	7.1	-	-	-	-	-	-	-	-	-	-	-	47.6	395
5.5 - 6.4	-	-	0.2	4.0	0.8	-	-	-	-	-	-	-	-	-	-	30.9	256
6.5 - 7.4	-	-	0.1	-	0.6	-	-	-	-	-	-	-	-	-	-	5.1	42
TOTAL %	7.4	42.6	37.5	11.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	61	353	311	92	12	0	0	0	0	0	0	0	0	0	0		829

(* < 0.05%)

STATION: 45003

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	0.4	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 - 1.4	17.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.1	3757
1.5 - 2.4	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	35.9	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	341
3.5 - 4.4	4.6	24.4	1.1	-	-	-	-	-	-	-	-	-	-	-	-	44.8	9852
4.5 - 5.4	*	1.3	4.1	0.2	-	-	-	-	-	-	-	-	-	-	-	30.1	6617
5.5 - 6.4	-	*	0.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	5.8	1266
6.5 - 7.4	*	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.7	165
7.5 - 8.4	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	11
TOTAL %	59.1	34.6	5.3	0.8	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	13015	7616	1175	167	35	3	0	0	0	0	0	0	0	0	0		22011

(* < 0.05%)

STATION: 45003

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	0.4	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 - 1.4	15.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8	6678
1.5 - 2.4	1.3	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	41.1	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	539
3.5 - 4.4	5.6	22.4	0.6	-	-	-	-	-	-	-	-	-	-	-	-	51.1	21565
4.5 - 5.4	*	1.3	1.8	*	-	-	-	-	-	-	-	-	-	-	-	28.5	12048
5.5 - 6.4	*	*	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	3.2	1350
TOTAL %	63.8	33.7	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	26935	14220	1043	37	0	0	0	0	0	0	0	0	0	0	0		42235

(* < 0.05%)

STATION: 45003

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	0.4	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 - 1.4	3.3	0.9	0.4	0.2	*	-	-	-	-	-	-	-	-	-	-	4.8	1952
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	150
3.5 - 4.4	15.4	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-	26.7	10899
4.5 - 5.4	2.4	38.2	5.0	*	-	-	-	-	-	-	-	-	-	-	-	45.6	18622
5.5 - 6.4	*	3.6	13.1	2.1	-	-	-	-	-	-	-	-	-	-	-	18.8	7685
6.5 - 7.4	-	*	0.6	2.5	0.5	*	-	-	-	-	-	-	-	-	-	3.6	1452
TOTAL %	21.4	54.0	19.1	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	8752	22077	7798	1936	266	17	0	0	0	0	0	0	0	0	0		40846

(* < 0.05%)

Summary complete: 09-Sep-2003 04:21:39