

STATION: 45005

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (6/1980 - 12/2001) (106522 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	F	CPF
32	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	1	#	
31	-	-	-	-	-	-	-	-	-	-	1	#	2	#	1	999	-	-	-	-	-	-	-	-	-	4	999	
30	-	-	-	-	-	-	-	-	-	6	999	10	999	11	999	-	-	-	-	-	-	-	-	-	-	27	999	
29	-	-	-	-	-	-	-	-	-	7	999	56	999	53	999	1	#	-	-	-	-	-	-	-	-	117	999	
28	-	-	-	-	-	-	-	-	-	27	999	266	996	164	996	11	999	-	-	-	-	-	-	-	-	468	999	
27	-	-	-	-	-	-	-	-	2	#	90	997	624	979	445	986	41	999	-	-	-	-	-	-	-	1202	994	
26	-	-	-	-	-	-	-	-	3	999	137	991	892	941	858	958	92	996	-	-	-	-	-	-	-	1982	983	
25	-	-	-	-	-	-	-	-	12	999	317	982	1892	885	1527	904	302	990	-	-	-	-	-	-	-	4050	964	
24	-	-	-	-	-	-	-	-	35	999	616	960	2321	768	2237	808	726	970	-	-	-	-	-	-	-	5935	926	
23	-	-	-	-	-	-	-	-	55	996	916	919	2589	625	2785	667	1012	921	6	#	-	-	-	-	-	7363	871	
22	-	-	-	-	-	1	#	118	991	1451	857	2574	464	2492	493	1324	852	49	999	-	-	-	-	-	8009	801		
21	-	-	-	-	-	1	999	182	982	1648	759	1977	305	1971	336	1603	762	148	996	-	-	-	-	-	7530	726		
20	-	-	-	-	-	2	999	296	968	1934	647	1449	183	1592	212	1960	654	290	986	-	-	-	-	-	7523	656		
19	-	-	-	-	-	1	999	351	944	1471	516	746	93	748	112	1206	521	387	966	2	#	-	-	-	4912	585		
18	-	-	-	-	-	11	999	536	916	1652	417	460	47	643	65	1503	439	588	939	7	999	-	-	-	5400	539		
17	-	-	-	-	-	11	997	657	873	1235	305	186	18	234	25	1385	338	834	898	10	999	-	-	-	4552	488		
16	-	-	-	-	-	19	995	849	821	1143	221	81	7	105	10	1116	244	1209	839	67	998	-	-	-	4589	445		
15	-	-	-	-	-	63	991	1167	753	799	144	16	2	38	4	806	168	1202	755	177	992	-	-	-	4268	402		
14	-	-	-	-	1	#	70	979	1353	660	558	90	11	1	7	1	623	114	1392	671	299	976	3	#	4317	362		
13	-	-	-	-	2	992	111	966	1466	552	438	52	-	-	8	1	428	72	1442	574	478	949	15	998	4388	322		
12	-	-	-	-	5	975	150	944	1160	436	193	22	-	-	6	*	247	43	1163	474	588	905	30	990	3542	281		
11	-	-	-	-	19	933	242	916	1341	343	98	9	-	-	-	-	202	26	1417	393	807	851	79	972	4205	247		
10	-	-	-	-	23	773	293	869	1024	236	19	3	-	-	-	-	111	12	1011	294	654	778	42	926	3177	208		
9	-	-	-	-	27	580	490	813	809	155	16	1	-	-	-	-	47	5	971	223	878	718	42	902	3280	178		
8	-	-	-	-	19	353	628	719	574	90	3	*	-	-	-	-	22	1	806	155	885	638	63	877	3000	147		
7	-	-	-	-	10	193	881	599	392	44	-	-	-	-	-	-	-	-	523	99	998	557	86	841	2890	119		
6	-	-	-	-	13	109	874	430	131	13	-	-	-	-	-	-	-	-	367	63	956	466	102	791	2443	92		
5	-	-	-	-	-	509	262	30	3	-	-	-	-	-	-	-	-	-	277	37	757	379	103	731	1676	69		
4	-	-	-	-	-	411	165	4	*	-	-	-	-	-	-	-	-	-	155	18	744	310	182	672	1496	53		
3	-	-	-	-	-	209	86	-	-	-	-	-	-	-	-	-	-	-	73	7	852	242	242	566	1376	39		
2	-	-	-	-	-	132	46	-	-	-	-	-	-	-	-	-	-	-	23	2	681	164	143	425	979	26		
1	-	-	-	-	-	62	20	-	-	-	-	-	-	-	-	-	-	-	5	*	532	102	100	342	699	17		
0	-	-	-	-	-	24	8	-	-	-	-	-	-	-	-	-	-	-	-	288	54	127	284	439	11	11		
-1	-	-	-	-	-	18	4	-	-	-	-	-	-	-	-	-	-	-	-	-	187	28	110	210	315	6		
-2	-	-	-	-	-	2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	10	120	146	178	3	
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	5	63	76	86	2		
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	3	28	40	42	1		
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	2	13	23	25	1		
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1	13	16	23	*		
-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	8	9	9	*		
-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	5	*		
-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*		
MEAN	-	-	-	-	9.0	7.1	13.2	19.1	22.6	22.4	18.8	12.6	6.8	3.1	16.4	-	-	-	-	-	-	-	-	-	-	-	-	
S.D.	-	-	-	-	1.8	3.0	3.6	3.3	2.4	2.4	3.4	3.9	4.1	4.2	6.6	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	-	-	-	-	119	5215	12547	14775	16152	15926	14768	14338	10962	1720	106522	-	-	-	-	-	-	-	-	-	-	-	-	
MAX	-	-	-	-	13.5	22.1	26.9	30.6	30.8	31.6	28.6	23.1	19.0	14.4	31.6	-	-	-	-	-	-	-	-	-	-	-	-	
DATE	-	-	-	-	1998033123	1985042318	1987053020	1991062921	1991072022	1988080220	1983091021	1983100322	1984110117	1982120312	1988080220	-	-	-	-	-	-	-	-	-	-	-	-	
MIN	-	-	-	-	5.6	-2.1	4.0	8.2	13.6	12.0	7.9	1.1	-6.2	-8.1	-8.1	-	-	-	-	-	-	-	-	-	-	-		
DATE	-	-	-	-	1998033001	1983041900	1983050513	1993060113	2001070209	1986082815	1993093002	1988103012	1986111314	1984120715	1984120715	-	-	-	-	-	-	-	-	-	-	-	-	

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

STATION: 45005

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (6/1980 - 12/2001) (106369 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	F	CPF
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
30	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	1	#	
29	-	-	-	-	-	-	-	-	-	4	#	2	#	10	999	-	-	-	-	-	-	-	-	-	-	-	16	999
28	-	-	-	-	-	-	-	-	-	8	999	53	999	57	999	-	-	-	-	-	-	-	-	-	-	-	118	999
27	-	-	-	-	-	-	-	-	-	21	999	275	997	437	996	-	-	-	-	-	-	-	-	-	-	-	733	999
26	-	-	-	-	-	-	-	-	-	34	998	838	980	1070	968	22	#	-	-	-	-	-	-	-	-	-	1964	992
25	-	-	-	-	-	-	-	-	1	#	93	995	2733	928	2639	901	328	999	-	-	-	-	-	-	-	-	5794	973
24	-	-	-	-	-	-	-	-	6	999	282	989	3498	758	4208	735	1019	976	-	-	-	-	-	-	-	-	9013	919
23	-	-	-	-	-	-	-	-	11	999	638	970	2839	542	4483	471	1788	907	-	-	-	-	-	-	-	-	9759	834
22	-	-	-	-	-	-	-	-	28	999	1076	926	3152	366	1888	189	2246	786	-	-	-	-	-	-	-	-	8390	742
21	-	-	-	-	-	-	-	-	38	996	1632	853	1682	170	865	70	3332	634	20	#	-	-	-	-	-	-	7569	664

20	-	-	-	-	-	-	-	94	993	2470	742	986	66	180	16	2971	409	201	999	-	-	-	-	6902	592
19	-	-	-	-	-	-	-	129	986	1655	574	52	5	77	5	1584	207	494	985	-	-	-	-	3991	528
18	-	-	-	-	-	-	-	351	975	2064	461	9	2	-	-	1008	100	1323	950	-	-	-	-	4755	490
17	-	-	-	-	-	-	-	352	947	1815	320	19	1	-	-	417	32	2053	858	-	-	-	-	4656	445
16	-	-	-	-	-	-	-	545	919	1238	197	-	-	-	-	53	4	1821	715	-	-	-	-	3657	402
15	-	-	-	-	-	-	-	884	876	877	112	-	-	-	-	-	-	1727	588	34	#	-	-	3522	367
14	-	-	-	-	-	-	8	#	1480	805	440	52	-	-	-	-	-	2509	467	136	997	-	-	4573	334
13	-	-	-	-	-	-	10	998	1804	687	215	22	-	-	-	-	-	1868	292	645	984	-	-	4542	291
12	-	-	-	-	1	#	32	997	1251	543	111	8	-	-	-	-	-	1085	162	873	926	-	-	3353	248
11	-	-	-	-	1	992	73	990	1934	443	4	*	-	-	-	-	-	799	86	990	846	-	-	3801	217
10	-	-	-	-	2	983	94	976	1144	289	-	-	-	-	-	-	-	284	30	1372	756	-	-	2896	181
9	-	-	-	-	-	-	331	958	1079	197	-	-	-	-	-	-	-	95	10	2130	631	20	#	3655	154
8	-	-	-	-	2	966	463	895	811	111	-	-	-	-	-	-	-	39	4	2337	436	142	988	3794	119
7	-	-	-	-	1	950	969	806	435	46	-	-	-	-	-	-	-	3	1	1106	223	81	906	2595	84
6	-	-	-	-	-	-	1293	620	142	12	-	-	-	-	-	-	-	4	1	822	123	249	859	2510	59
5	-	-	-	-	-	-	-	708	372	2	*	-	-	-	-	-	-	8	1	515	48	377	714	1610	36
4	-	-	-	-	33	941	757	236	-	-	-	-	-	-	-	-	-	1	*	5	1	357	495	1153	21
3	-	-	-	-	50	664	348	90	-	-	-	-	-	-	-	-	-	-	-	-	-	489	288	887	10
2	-	-	-	-	29	244	83	24	-	-	-	-	-	-	-	-	-	-	-	2	*	6	3	120	2
1	-	-	-	-	-	-	40	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	*
MEAN	-	-	-	-	3.4	6.0	12.1	18.7	23.1	23.6	20.9	14.8	9.0	4.7	17.2										
S.D.	-	-	-	-	1.7	2.0	3.0	2.6	1.7	1.4	1.8	2.4	2.1	1.5	6.2										
TOTAL	-	-	-	-	119	5209	12521	14677	16138	15915	14768	14334	10967	1721	106369										
MAX	-	-	-	-	12.1	14.0	25.0	29.4	29.0	30.1	26.3	21.4	14.8	8.6	30.1										
DATE	-	-	-	-	1998032602	1985042221	1991052819	1994061820	1997072522	1988080221	1983090321	1998100101	1984110201	2001120121	1988080221										
MIN	-	-	-	-	2.1	1.0	5.2	11.2	16.5	18.6	15.7	4.3	1.8	2.3	1.0										
DATE	-	-	-	-	1998032615	1982041315	1997050205	1984060107	1997070510	1997082312	1993093013	1997102912	1996111823	1984121511	1982041315										

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

STATION: 45005

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (6/1980 - 12/2001) (106319 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	F	CPF
13	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#		
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999		
11	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999		
10	-	-	-	-	1	#	6	999	6	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	999		
9	-	-	-	-	5	992	13	998	10	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	999		
8	-	-	-	-	19	950	34	996	46	999	-	-	-	-	-	-	-	-	-	5	#	2	#	106	999			
7	-	-	-	-	27	790	73	989	63	995	3	#	-	-	-	-	-	-	-	15	999	3	999	184	999			
6	-	-	-	-	26	563	133	975	164	990	41	999	5	#	-	-	-	-	-	39	998	14	997	422	997			
5	-	-	-	-	11	345	223	950	348	977	117	997	11	999	-	-	8	#	22	#	79	995	30	989	849	993		
4	-	-	-	-	6	252	341	907	841	949	356	989	53	999	7	#	45	999	124	998	287	987	85	972	2145	985		
3	-	-	-	-	13	202	485	841	1262	882	1042	965	308	996	60	999	188	996	379	990	477	961	143	922	4357	965		
2	-	-	-	-	5	92	800	748	2216	781	2275	894	1355	977	544	996	649	984	1034	963	858	918	84	839	9820	924		
1	-	-	-	-	2	50	1102	594	2665	604	3469	739	2898	893	1821	962	1402	940	1542	891	1126	839	153	790	16180	831		
0	-	-	-	-	2	34	935	383	2300	391	3083	502	3655	713	3050	847	2147	845	1483	784	1041	737	117	701	17813	679		
-1	-	-	-	-	2	17	471	203	1375	207	1825	292	3569	486	3983	656	2231	699	1507	680	1017	642	216	633	16196	512		
-2	-	-	-	-	-	-	312	113	771	98	1338	167	2387	265	3155	405	2271	548	1644	575	1002	549	224	508	13104	359		
-3	-	-	-	-	-	-	138	53	276	36	580	76	1167	117	1593	207	1708	394	1427	460	975	458	174	377	8038	236		
-4	-	-	-	-	-	-	45	26	125	14	292	37	501	45	1014	107	1371	278	1529	361	1096	369	103	276	6076	160		
-5	-	-	-	-	-	-	53	18	43	4	136	17	155	14	463	43	937	185	1413	254	798	269	96	216	4094	103		
-6	-	-	-	-	-	-	21	8	4	*	50	7	39	4	133	14	782	122	938	155	683	196	131	160	2781	65		
-7	-	-	-	-	-	-	14	4	2	*	35	4	13	1	67	6	559	69	648	90	644	133	72	84	2054	39		
-8	-	-	-	-	-	-	5	1	-	-	18	2	11	1	14	2	261	31	362	45	439	75	39	42	1149	19		
-9	-	-	-	-	-	-	-	-	-	-	6	*	-	-	10	1	131	13	202	19	231	35	13	20	593	9		
-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	5	50	5	81	14	13	12	195	3		
-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	1	19	2	25	6	8	5	67	1		
-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	7	*	10	4	-	-	18	*		
-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	3	-	-	12	*		
-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	2	-	-	12	*		
-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1	-	-	8	*		
-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	1	*		
MEAN	-	-	-	-	5.7	1.2	1.1	0.3	-0.5	-1.2	-2.1	-2.3	-2.2	-1.5	-0.9													
S.D.	-	-	-	-	2.2	2.4	2.0	1.9	1.6	1.7	2.6	3.0	3.5	3.5	2.7													
TOTAL	-	-	-	-	119	5208	12517	14666	16127	15914	14757	14330	10961	1720	106319													
MAX	-	-	-	-	9.5	12.7	10.4	7.2	6.2	3.8	5.3	5.2	8.3	12.7														
DATE	-	-	-	-	1998033123	1985042020	1996052000	1984061320	1990070422	1997081522	1993091423	1999102920	1988111617	1982120312	1985042020													
MIN	-	-	-	-	-0.7	-8.1	-6.7	-8.8	-8.3	-9.1	-11.5	-12.0	-15.5	-11.4	-15.5													
DATE	-	-	-	-	1998032603	1981042108	1988052514	1992062106	2001070209	1986082815	1989092314	1980100416	1986111314	1984120711	1986111314													

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

STATION: 45005

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (6/1980 - 12/2001) (106040 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
1044	-	-	-	-	-	-	3	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#
1043	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
1042	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	3	999
1041	-	-	-	-	-	-	2	998	-	-	-	-	-	-	-	-	-	-	-	-	21	999	-	-	23	999
1040	-	-	-	-	-	-	4	998	-	-	-	-	-	-	-	-	-	-	-	-	29	998	-	-	33	999
1039	-	-	-	-	-	-	2	997	-	-	-	-	-	-	-	-	-	-	-	-	29	995	-	-	31	999
1038	-	-	-	-	-	-	3	997	-	-	-	-	-	-	-	-	-	-	2	#	30	993	2	#	37	999
1037	-	-	-	-	-	-	8	996	-	-	-	-	-	-	-	11	#	16	999	42	990	7	999	84	999	
1036	-	-	-	-	-	-	13	995	-	-	-	-	-	-	-	12	999	7	999	25	986	19	995	76	998	
1035	-	-	-	-	-	-	10	992	-	-	-	-	-	-	-	16	998	28	998	52	984	23	984	129	997	
1034	-	-	-	-	-	-	14	990	-	-	-	-	-	-	-	13	997	48	996	109	979	9	970	193	996	
1033	-	-	-	-	-	-	42	988	-	-	-	-	-	-	-	27	996	97	993	46	969	14	965	226	994	
1032	-	-	-	-	-	-	33	980	-	-	-	-	-	-	-	24	995	145	986	78	965	37	957	317	992	
1031	-	-	-	-	-	-	28	973	9	#	-	-	-	-	-	25	993	162	976	136	958	23	935	383	989	
1030	-	-	-	-	-	-	49	968	9	999	-	-	-	-	1	#	71	991	201	965	208	945	19	922	558	985
1029	-	-	-	-	-	-	58	959	50	999	-	-	-	-	8	999	102	987	308	951	261	926	19	911	806	980
1028	-	-	-	-	-	-	65	947	60	995	12	#	11	#	26	999	161	980	343	929	316	903	18	900	1012	973
1027	-	-	-	-	-	-	103	935	113	990	56	999	29	999	58	998	284	969	410	905	340	874	56	890	1449	963
1026	-	-	-	-	-	-	115	915	157	981	78	995	63	997	100	994	464	950	448	877	423	843	72	857	1920	949
1025	-	-	-	-	-	-	127	893	183	968	113	990	147	994	244	988	400	918	439	845	456	804	67	815	2176	931
1024	-	-	-	-	-	-	110	869	324	954	176	982	192	984	294	973	407	891	611	815	443	763	70	776	2627	911
1023	-	-	-	-	-	-	87	848	358	928	308	970	274	972	475	954	584	863	648	772	431	722	80	735	3245	886
1022	-	-	-	-	-	-	126	831	485	899	425	949	458	955	786	924	705	824	731	727	518	683	95	689	4329	855
1021	-	-	-	-	2	#	172	807	623	861	509	920	543	926	926	875	765	776	807	676	612	636	103	634	5062	815
1020	-	-	-	-	3	982	174	774	777	811	610	885	720	892	1072	817	740	724	975	620	513	580	99	574	5683	767
1019	-	-	-	-	1	955	273	741	762	749	927	843	939	847	1435	749	1043	674	903	552	496	533	93	516	6872	713
1018	-	-	-	-	2	945	284	688	734	688	1024	779	1262	788	1561	659	1133	604	825	489	507	488	86	462	7418	648
1017	-	-	-	-	1	927	341	634	756	630	1036	708	1429	709	1512	561	1054	527	717	431	476	441	64	412	7386	578
1016	-	-	-	-	11	918	270	568	870	569	1000	637	1472	620	1322	466	1039	456	692	381	525	398	81	375	7282	509
1015	-	-	-	-	7	818	280	516	837	500	1067	568	1585	527	1298	383	993	385	649	333	467	350	69	328	7252	440
1014	-	-	-	-	7	755	300	463	681	433	1161	494	1448	428	1180	302	889	318	640	288	393	308	57	288	6756	372
1013	-	-	-	-	13	691	329	405	609	379	1036	415	1235	337	995	228	682	258	599	243	440	272	52	255	5990	308
1012	-	-	-	-	12	573	299	342	611	330	934	343	1041	260	723	165	634	212	537	201	353	232	72	224	5216	252
1011	-	-	-	-	5	464	256	285	653	282	992	279	1008	194	639	120	597	169	462	164	298	199	71	183	4981	202
1010	-	-	-	-	7	418	189	236	495	229	726	211	758	131	405	80	479	128	354	131	288	172	40	141	3741	155
1009	-	-	-	-	14	355	207	199	451	190	540	161	527	84	295	54	371	96	279	107	257	146	26	118	2967	120
1008	-	-	-	-	4	227	163	160	367	154	399	123	285	51	172	36	275	71	253	87	208	122	19	103	2145	92
1007	-	-	-	-	5	191	152	129	351	125	364	96	208	33	145	25	220	52	187	70	189	103	16	92	1837	72
1006	-	-	-	-	6	145	102	99	239	97	295	71	159	20	124	16	162	37	179	57	170	86	21	83	1457	55
1005	-	-	-	-	6	91	106	80	183	78	189	50	60	10	72	8	109	26	139	44	142	71	24	70	1030	41
1004	-	-	-	-	1	36	70	59	216	63	138	37	40	6	25	3	107	19	124	34	115	58	16	56	852	31
1003	-	-	-	-	2	27	48	46	122	46	129	28	35	3	19	2	58	12	79	26	93	47	16	47	601	23
1002	-	-	-	-	1	9	54	37	122	36	82	19	19	1	10	1	30	8	63	20	85	39	16	38	482	17
1001	-	-	-	-	-	-	32	26	100	26	46	13	-	-	-	-	24	6	52	16	70	31	16	28	340	13
1000	-	-	-	-	-	-	28	20	104	18	26	10	-	-	-	-	17	4	31	12	56	25	6	19	268	10
999	-	-	-	-	-	-	24	15	55	10	36	8	-	-	-	-	10	3	28	10	48	20	5	16	206	7
998	-	-	-	-	-	-	17	10	24	6	28	6	-	-	-	-	11	2	26	8	28	15	4	13	138	5
997	-	-	-	-	-	-	11	7	12	4	35	4	-	-	-	-	3	2	29	6	19	13	6	10	115	4
996	-	-	-	-	-	-	10	5	8	3	12	2	-	-	-	-	4	1	14	4	25	11	3	7	76	3
995	-	-	-	-	-	-	6	3	5	2	12	1	-	-	-	-	4	1	15	3	17	9	5	5	64	2
994	-	-	-	-	-	-	2	2	7	2	-	-	-	-	-	-	6	1	12	2	22	7	2	2	51	2
993	-	-	-	-	-	-	3	2	6	1	-	-	-	-	-	-	4	1	15	1	7	5	2	1	37	1
992	-	-	-	-	-	-	4	1	5	1	-	-	-	-	-	-	2	*	3	*	10	4	-	-	24	1
991	-	-	-	-	-	-	1	*	5	*	-	-	-	-	-	-	2	*	2	*	3	3	-	-	13	*
990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	-	-	5	*
989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	3	-	-	9	*
988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	-	-	5	*
987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	4	*
986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	3	*
985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	*
984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	*
983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	-	-	2	*
982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	1	*
981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	-	-	2	*
MEAN	-	-	-	-	-	1011.5	-	1015.5	-	1014.9	-	1014.4	-	1015.2	-	1016.6	-	1017.0	-	1018.2	-	1018.2	-	1018.6	-	1016.3
S.D.	-	-	-	-	-	4.2	-	7.5	-	6.2	-	5.2	-	4.2	-	4.3	-	5.9	-	7.1	-	8.4	-	8.1	-	6.2
TOTAL	-	-	-	-	-	110	-	5214	-	12538	-	14521	-	15947	-	15922	-	14773	-	14334	-					

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (6/1980 - 12/2001) (103707 RECORDS, 96.8% 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	
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	1	#		
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	-	2	999		
36	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#	-	-	5	999	1	999	-	-	-	8	999		
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	6	999	-	-	-	11	999		
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	7	999	-	-	-	-	8	999		
33	-	-	-	-	-	-	1	#	1	999	-	-	-	-	-	-	1	999	12	999	6	999	-	-	-	21	999		
32	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	8	998	15	999	-	-	-	24	999		
31	-	-	-	-	-	-	3	999	4	999	2	#	-	-	-	-	1	999	25	997	13	997	5	#	53	999			
30	-	-	-	-	-	-	2	999	4	999	-	-	-	-	-	-	2	999	27	995	11	996	1	997	47	999			
29	-	-	-	-	-	-	5	999	4	999	1	999	2	999	-	-	6	999	25	993	21	995	2	997	66	998			
28	-	-	-	-	-	-	3	998	8	999	3	999	1	999	-	-	13	999	36	991	35	993	3	995	102	998			
27	-	-	-	-	-	-	3	997	16	998	5	999	3	999	1	999	19	998	47	989	55	990	7	994	156	997			
26	-	-	-	-	-	-	3	997	19	997	8	999	5	999	3	999	33	997	79	985	87	984	19	990	256	995			
25	-	-	-	-	-	-	16	996	21	995	13	999	9	999	6	999	39	995	112	979	81	976	18	978	315	993			
24	-	-	-	-	-	-	16	993	20	994	18	998	11	999	9	999	76	992	146	970	127	968	26	968	449	990			
23	-	-	-	-	-	-	20	990	40	992	28	997	29	998	31	999	100	987	192	959	170	956	37	953	647	985			
22	-	-	-	-	-	-	26	986	52	989	40	995	24	996	34	997	140	980	178	945	222	940	42	931	758	979			
21	-	-	-	-	-	2	#	50	981	77	985	50	992	38	995	57	995	181	970	322	931	256	919	51	907	1084	972		
20	-	-	-	-	1	983	61	972	103	979	68	988	82	992	84	991	239	958	297	907	290	895	46	877	1271	961			
19	-	-	-	-	3	975	93	960	167	970	149	984	152	987	169	986	358	941	501	884	459	867	51	851	2102	949			
18	-	-	-	-	3	950	116	942	193	957	153	973	178	977	257	975	373	917	526	846	500	824	56	821	2355	929			
17	-	-	-	-	1	924	109	920	234	942	181	962	208	966	236	959	401	891	511	806	525	776	66	788	2472	906			
16	-	-	-	-	4	916	175	899	338	923	314	950	344	952	434	944	532	864	704	767	600	726	67	750	3512	882			
15	-	-	-	-	9	882	182	865	397	896	376	928	370	930	397	917	584	827	680	714	541	670	92	711	3628	848			
14	-	-	-	-	4	807	248	830	437	864	516	902	484	907	702	892	731	787	866	662	706	618	94	658	4788	813			
13	-	-	-	-	11	773	206	783	456	830	456	866	607	876	638	848	698	737	712	597	623	551	108	603	4515	767			
12	-	-	-	-	25	681	337	743	675	793	881	834	1031	837	1101	808	1127	689	1153	543	830	492	121	540	7281	724			
11	-	-	-	-	11	471	267	678	620	739	754	772	928	771	945	739	832	611	724	455	596	413	99	470	5776	654			
10	-	-	-	-	15	378	360	627	835	690	1032	720	1233	711	1362	679	1153	554	968	400	723	357	120	412	7801	598			
9	-	-	-	-	9	252	352	558	922	623	949	648	1173	633	1136	594	964	474	692	326	542	288	113	342	6852	523			
8	-	-	-	-	3	176	405	490	1109	550	1231	582	1411	557	1353	523	1166	408	803	274	545	237	109	277	8135	457			
7	-	-	-	-	8	151	392	413	1078	461	1241	496	1242	467	1170	438	877	328	569	213	405	185	89	213	7071	378			
6	-	-	-	-	2	84	494	337	1196	375	1474	409	1424	388	1336	364	958	268	635	170	450	147	72	162	8041	310			
5	-	-	-	-	2	67	417	243	1086	280	1479	306	1367	296	1307	280	831	202	503	122	350	104	88	120	7430	232			
4	-	-	-	-	1	50	353	163	930	193	1151	203	1125	209	1079	198	771	145	437	83	276	71	55	69	6178	161			
3	-	-	-	-	2	42	186	95	648	119	731	123	819	137	744	130	494	92	242	50	160	44	19	37	4045	101			
2	-	-	-	-	3	25	168	59	477	67	566	72	655	85	677	84	465	58	216	32	150	29	14	26	3391	62			
1	-	-	-	-	-	-	61	27	199	29	271	33	381	43	361	41	233	26	94	15	82	15	20	17	1702	29			
0	-	-	-	-	-	-	79	15	166	13	196	14	284	18	295	19	139	10	108	8	76	7	10	6	1353	13			
MEAN	-	-	-	-	11.4	9.4	8.7	8.2	8.2	8.2	8.2	8.2	8.2	8.5	10.2	12.3	12.3	12.3	12.3	12.9	12.9	12.5	9.7						
S.D.	-	-	-	-	3.8	5.2	4.9	4.5	4.5	4.5	4.5	4.5	4.5	4.6	5.4	5.9	5.9	5.9	5.9	5.9	5.9	6.0	5.4						
TOTAL	-	-	-	-	119	5209	12533	14337	15621	15925	14538	13168	10537	1720	103707														
MAX	-	-	-	-	21.0	33.0	35.6	30.7	31.5	35.8	33.6	37.9																	
DATE	-	-	-	-	1998032600	1998041001	1997050113	1992061810	1988071102	1988081506	1993092802	2001102523	1998111109	1990120412	2001102523														
MIN	-	-	-	-	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DATE	-	-	-	-	1998032916	1998041218	1999052708	2001062721	2001070918	2001080116	2001090922	1999101823	1996111823	2000120403	2001090922														

STATION: 45005

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: (6/1980 - 12/2001) (103589 RECORDS, 96.7% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
48	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	1	#	-	-	-	-	-	2	#	
47	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	2	999	
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	999	-	-	-	2	999	
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	2	999	2	999	-	-	-	5	999	
44	-	-	-	-	-	-	-	-	1	999	-	-	-	-	1	999	-	-	4	999	5	999	-	-	-	11	999	
43	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	2	#	4	999	1	999	1	#	-	9	999	
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	999	6	999	-	-	-	14	999	
41	-	-	-	-	-	-	2	#	1	999	-	-	-	-	-	-	1	999	10	998	5	998	1	999	20	999	99	
40	-	-	-	-	-	-	-	-	3	999	2	999	-	-	-	-	-	-	9	998	11	998	-	-	-	25	999	
39	-	-	-	-	-	-	4	999	1	999	2	999	-	-	-	-	2	999	28	997	10	997	2	999	49	999	99	
38	-	-	-	-	-	-	1	999	2	999	1	999	2	#	1	999	2	999	17	995	10	996	1	998	37	999	99	
37	-	-	-	-	-	-	1	999	2	999	-	-	2	999	-	-	3	999	23	994	17	995	1	997	49	998	99	
36	-	-	-	-	-	-	3	998	4	999	-	-	1	999	1	999	4	999	22	992	14	993	3	996				

32	-	-	-	-	-	-	4	996	15	996	10	999	4	999	3	999	26	997	62	980	53	979	18	976	195	994		
31	-	-	-	-	-	-	11	995	13	995	17	998	6	999	4	999	41	995	105	976	115	974	18	966	330	992		
30	-	-	-	-	-	-	14	993	20	994	13	997	8	999	6	999	60	992	107	968	95	963	29	955	352	988		
29	-	-	-	-	-	1	#	18	990	23	992	17	996	18	998	12	999	57	988	145	960	131	954	30	938	452	985	
28	-	-	-	-	-	-	-	14	987	30	990	22	995	14	997	17	998	97	984	127	949	159	941	31	920	511	981	
27	-	-	-	-	-	-	-	34	984	41	988	33	994	38	996	33	997	111	977	182	939	187	926	25	901	684	976	
26	-	-	-	-	-	3	992	40	978	75	985	54	991	40	994	47	995	196	970	235	925	205	909	48	886	943	969	
25	-	-	-	-	-	-	-	54	970	87	979	63	988	67	991	71	992	203	956	288	907	253	889	41	858	1127	960	
24	-	-	-	-	-	-	-	52	960	91	972	81	983	71	987	92	987	221	942	305	885	287	865	40	834	1240	949	
23	-	-	-	-	-	2	966	82	950	125	964	110	977	109	982	121	982	263	927	373	862	367	838	39	810	1591	937	
22	-	-	-	-	-	1	950	71	934	140	954	130	970	146	975	167	974	281	909	356	834	392	803	59	787	1743	922	
21	-	-	-	-	-	2	941	91	920	180	943	170	961	181	966	249	963	333	889	480	807	451	766	36	751	2173	905	
20	-	-	-	-	-	1	924	115	903	210	929	172	949	194	954	235	948	370	867	467	770	408	723	57	730	2229	884	
19	-	-	-	-	-	3	916	153	881	291	912	308	937	335	942	471	933	588	841	714	735	565	684	67	696	3495	863	
18	-	-	-	-	-	2	891	161	851	333	889	321	915	361	921	514	903	589	801	715	681	552	631	80	656	3628	829	
17	-	-	-	-	-	8	874	227	820	479	862	521	893	405	897	449	871	530	760	590	626	469	578	70	609	3748	794	
16	-	-	-	-	-	6	807	222	777	374	824	453	857	556	872	667	843	709	724	734	582	575	534	62	567	4358	758	
15	-	-	-	-	-	8	756	189	734	374	794	398	825	597	836	565	801	658	675	613	526	499	479	78	530	3979	716	
14	-	-	-	-	-	17	689	214	698	495	764	652	797	778	798	957	766	828	629	767	479	591	432	74	484	5373	677	
13	-	-	-	-	-	11	546	186	657	519	725	617	752	824	748	807	705	749	572	618	421	464	376	96	440	4891	625	
12	-	-	-	-	-	11	454	289	621	735	683	920	709	1231	695	1347	655	1149	521	968	374	615	331	103	383	7368	578	
11	-	-	-	-	-	14	361	289	566	734	624	769	644	1033	616	992	570	849	442	577	301	423	273	81	322	5761	507	
10	-	-	-	-	-	9	244	359	510	847	566	1004	591	1220	550	1196	508	983	383	628	257	458	233	88	273	6792	451	
9	-	-	-	-	-	5	168	307	441	820	498	971	521	968	472	895	433	662	316	447	209	324	189	80	221	5479	386	
8	-	-	-	-	-	4	126	360	382	966	432	1199	453	1194	410	1121	376	836	270	557	175	401	159	64	174	6702	333	
7	-	-	-	-	-	4	92	338	313	923	355	1091	369	1030	333	984	306	629	212	390	133	291	121	59	136	5739	268	
6	-	-	-	-	-	2	59	435	248	1001	281	1194	293	1039	267	1003	244	689	169	443	103	315	93	73	100	6194	213	
5	-	-	-	-	-	2	42	293	165	886	201	1085	210	1048	201	954	181	610	122	323	69	257	63	46	57	5504	153	
4	-	-	-	-	-	1	25	250	108	727	131	815	134	843	133	742	121	531	80	249	45	177	39	19	30	4354	100	
3	-	-	-	-	-	2	17	121	60	440	73	512	77	555	79	528	74	281	43	134	26	103	22	14	18	2690	58	
2	-	-	-	-	-	-	-	123	37	292	37	372	41	421	44	395	41	232	24	131	16	69	12	8	10	2043	32	
1	-	-	-	-	-	-	-	39	14	112	14	154	15	160	17	167	16	66	8	41	6	28	6	7	5	774	12	
0	-	-	-	-	-	-	-	32	6	64	5	65	5	102	7	95	6	48	3	37	3	30	3	2	1	475	5	
MEAN	-	-	-	-	-	13.2	11.5	10.6	10.1	10.3	10.8	13.0	15.5	16.2	16.0	12.2												
S.D.	-	-	-	-	-	4.6	6.4	6.1	5.6	5.4	5.5	6.5	7.3	7.4	7.7	6.6												
TOTAL	-	-	-	-	-	119	5208	12513	14326	15604	15915	14524	13166	10532	1682	103589												
MAX	-	-	-	-	-	28.6	41.4	46.5	48.4	37.7	45.3	43.0	47.6	47.0	42.8	48.4												
DATE	-	-	-	-	-	1998032603	1998041000	1990051720	1983063019	1998072203	1988080600	1996092222	2001102523	1998111110	1990120411	1983063019												
MIN	-	-	-	-	-	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0												
DATE	-	-	-	-	-	1998032917	1988043017	1999052319	2001062300	2001070918	2001080114	1998090422	1997102922	1996111823	1981120323	2001080114												

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

STATION: 45005

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (5/1996 - 12/2001) (31150 RECORDS, 16.3% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	#	-	-	2	#
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	999	-	-	2	999
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	1	999
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	1	999	-	-	3	999
47	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	2	999	1	999	-	-	4	999
46	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	2	998	1	999	-	-	4	999
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	7	998	4	999	-	-	12	999
44	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	7	996	-	-	-	-	8	999
43	-	-	-	-	-	1	#	1	999	-	-	1	999	-	-	1	#	5	995	-	-	-	-	9	999	
42	-	-	-	-	-	2	999	2	999	-	-	-	-	-	-	1	999	9	994	2	998	-	-	16	999	
41	-	-	-	-	-	3	998	1	999	1	#	-	-	-	-	-	-	5	992	2	997	-	-	12	998	
40	-	-	-	-	-	2	997	-	-	-	-	2	999	1	999	-	-	4	990	6	997	-	-	15	998	
39	-	-	-	-	-	2	996	2	998	-	-	-	-	-	-	2	999	9	989	5	995	-	-	20	997	
38	-	-	-	-	-	1	995	-	-	1	999	1	999	-	-	5	999	7	987	6	994	-	-	21	997	
37	-	-	-	-	1	#	3	994	-	-	1	999	1	999	-	-	4	998	11	986	9	992	-	-	30	996
36	-	-	-	-	-	1	993	3	998	-	-	3	999	2	999	7	997	11	983	9	990	-	-	36	995	
35	-	-	-	-	-	-	-	6	997	-	-	1	998	-	-	8	995	18	981	22	987	-	-	55	994	
34	-	-	-	-	-	3	992	14	995	4	999	2	998	2	999	15	993	25	977	17	981	1	#	83	992	
33	-	-	-	-	-	4	991	11	991	10	998	8	997	1	999	20	990	39	971	31	977	1	996	125	989	
32	-	-	-	-	-	3	989	12	988	5	996	4	995	2	998	25	985	30	962	29	968	1	992	111	985	
31	-	-	-	-	-	5	987	7	985	4	994	5	995	4	998	30	979	43	955	50	961	-	-	148	982	
30	-	-	-	-	-	8	985	8	983	8	993	5	993	7	997</											



DATE - - 1998032818 1998041001 1984052917 1984060302 1983071312 1990082003 2000090511 1995100523 1999111110 1990120312 1984052917  
MIN - - 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0  
DATE - - 1998033009 2001043023 2001053121 2001063023 2001072508 2001083023 2001092322 2001103003 2001112901 2000120406 2001112901  
(\* < 0.05% , # = 100.0%)

STATION: 45005

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (6/1980 - 12/2001) (97906 RECORDS, 91.3% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
25	-	-	-	-	-	-	-	-	-	-	1	#	1	#	-	-	-	-	-	-	-	-	-	-	-	2	#
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
20	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
14	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	#	-	-	-	-	-	-	-	-	-	2	999
13	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
11	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
9	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	3	#	-	-	-	-	-	4	999
8	-	-	-	-	-	18	999	48	#	5	999	1	999	1	999	1	#	14	999	13	#	17	#	118	999		
7	-	-	-	-	1	#	64	996	43	996	57	999	49	999	24	999	44	999	113	999	65	999	26	990	486	999	
6	-	-	-	-	-	257	983	336	992	240	995	203	997	349	998	425	997	531	990	254	992	72	974	2667	994		
5	-	-	-	-	6	992	565	931	1165	964	892	978	1038	983	1437	975	1734	966	1882	948	1409	964	262	929	10390	966	
4	-	-	-	-	46	941	1314	816	2593	864	2880	913	3457	914	3896	879	3977	840	4425	801	3564	811	557	768	26709	860	
3	-	-	-	-	30	555	1810	549	4522	643	6046	704	7408	685	6694	618	5961	551	4452	453	2988	423	530	426	40441	588	
2	-	-	-	-	-	117	181	315	257	452	266	591	193	512	171	355	118	221	104	223	98	102	100	2888	174		
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	145
0	-	-	-	-	36	303	773	157	2694	230	3218	233	2308	153	2040	136	1277	93	1107	87	681	74	61	37	14195	145	
MEAN	-	-	-	-	2.5		3.2		2.8		2.6		2.8		3.0		3.3		3.5		3.5		3.7		3.1		
S.D.	-	-	-	-	1.8		1.7		1.7		1.6		1.4		1.4		1.3		1.4		1.3		1.3		1.5		
TOTAL	-	-	-	-	119		4920		11716		13795		15056		14954		13774		12748		9197		1627		97906		
MAX	-	-	-	-	6.7		20.0		8.3		25.0		25.0		14.3		8.3		9.1		7.7		8.3		25.0		
DATE	-	-	-	-	1998032607		1998041810		2000051921		1997062921		1998072305		1988082704		1992090119		1995100604		1992110204		1990120317		1998072305		
MIN	-	-	-	-	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
DATE	-	-	-	-	1998033009		2001043023		2001053121		2001063023		2001072508		2001083023		2001092322		2001103003		2001112901		2000120406		2001112901		

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

ELEMENT SUMMARY FOR STATION: 45005

(A) TOTAL STDNET RECORDS READ = 107177  
(B) TOTAL CWIND RECORDS READ = 190638  
(C) TOTAL RECORDS USED IN STATS = 297815

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	106522	106369	106319	0	106040	103707	103589	31150	97939	97932	97906	0
(E) ELEMENT OUT OF RANGE	655	808	858	107177	1137	3470	3588	159488	9238	9245	9271	107177

STATION: 45005 -- POR (6/1980 - 12/2001)

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

ELEMENT: AIR TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	-	21.2	23.0	23.4	19.8	10.5	4.9	3.5	15.5
	MAXIMUM	-	-	-	-	-	26.6	29.4	28.3	27.3	22.0	14.8	9.0	29.4
	DAY-HR	-	-	-	-	-	27-00	21-00	08-23	01-22	01-22	04-03	08-12	JUL
	MINIMUM	-	-	-	-	-	16.9	17.1	17.6	10.9	3.1	0.1	-7.0	-7.0
	DAY-HR	-	-	-	-	-	30-14	03-14	16-14	27-11	28-05	18-04	03-13	DEC
	# OBS	-	-	-	-	-	173	619	633	718	744	720	185	3792
1981	MEAN	-	-	-	7.6	11.8	19.6	23.1	22.4	17.9	10.9	6.6	1.8	14.5
	MAXIMUM	-	-	-	15.0	21.9	25.8	30.7	26.2	25.4	19.0	14.5	9.5	30.7
	DAY-HR	-	-	-	11-20	22-21	29-21	08-23	13-22	01-19	01-14	05-20	02-00	JUL
	MINIMUM	-	-	-	0.3	5.1	12.9	16.9	18.1	10.3	2.1	-1.6	-4.1	-4.1
	DAY-HR	-	-	-	21-08	06-14	01-10	29-13	17-02	28-15	24-12	23-16	10-15	DEC

	# OBS	-	-	-	504	742	629	741	743	715	718	720	325	5837
1982	MEAN	-	-	-	6.3	14.7	17.7	23.4	21.8	18.2	13.8	7.1	10.7	15.8
	MAXIMUM	-	-	-	13.6	23.5	24.1	28.1	26.4	25.9	22.3	17.9	14.4	28.1
	DAY-HR	-	-	-	26-03	31-21	15-23	25-23	04-22	13-21	01-21	03-00	03-12	JUL
	MINIMUM	-	-	-	1.3	8.2	11.3	17.3	15.3	11.0	5.3	-1.6	8.4	-1.6
	DAY-HR	-	-	-	15-04	01-11	03-13	01-15	28-15	21-12	23-14	25-10	01-13	NOV
	# OBS	-	-	-	432	742	693	742	743	719	744	719	75	5609
1983	MEAN	-	-	-	5.7	11.1	19.4	23.9	24.1	20.3	13.7	7.0	1.4	15.4
	MAXIMUM	-	-	-	14.2	18.0	28.3	29.1	29.2	28.6	23.1	14.2	6.0	29.2
	DAY-HR	-	-	-	27-21	14-20	23-20	15-22	09-00	10-21	03-22	01-23	12-03	AUG
	MINIMUM	-	-	-	-2.1	4.0	11.8	14.8	18.5	9.8	6.3	-1.1	-2.6	-2.6
	DAY-HR	-	-	-	19-00	05-13	08-17	06-08	12-07	23-13	26-19	30-18	07-16	DEC
	# OBS	-	-	-	435	744	719	740	744	719	742	718	303	5864
1984	MEAN	-	-	-	-	12.7	19.6	21.9	22.9	17.9	14.8	6.2	1.6	15.8
	MAXIMUM	-	-	-	-	19.6	27.7	26.9	28.3	26.0	20.1	19.0	8.9	28.3
	DAY-HR	-	-	-	-	25-22	13-20	14-23	09-21	03-00	19-15	01-17	13-06	AUG
	MINIMUM	-	-	-	-	7.3	13.3	15.5	17.2	9.5	9.2	-1.8	-8.1	-8.1
	DAY-HR	-	-	-	-	30-10	02-10	07-13	24-09	28-10	31-12	20-11	07-15	DEC
	# OBS	-	-	-	-	388	714	743	744	715	743	718	350	5115
1985	MEAN	-	-	-	11.5	14.4	17.6	21.9	21.6	20.6	-	-	-	18.4
	MAXIMUM	-	-	-	22.1	23.4	24.3	27.1	26.4	27.5	-	-	-	27.5
	DAY-HR	-	-	-	23-18	31-23	09-00	29-22	18-23	07-23	-	-	-	SEP
	MINIMUM	-	-	-	2.5	7.3	10.5	17.1	17.4	13.0	-	-	-	2.5
	DAY-HR	-	-	-	17-16	08-18	13-08	07-14	31-08	12-14	-	-	-	APR
	# OBS	-	-	-	337	730	718	741	738	500	-	-	-	3764
1986	MEAN	-	-	-	-	-	18.3	22.6	21.2	18.9	13.1	5.6	-	17.1
	MAXIMUM	-	-	-	-	-	25.2	27.6	26.3	24.8	22.0	15.9	-	27.6
	DAY-HR	-	-	-	-	-	22-23	20-01	16-22	29-22	03-21	01-21	-	JUL
	MINIMUM	-	-	-	-	-	11.9	15.9	12.0	11.8	7.0	-6.2	-	-6.2
	DAY-HR	-	-	-	-	-	03-06	03-14	28-15	17-13	30-13	13-14	-	NOV
	# OBS	-	-	-	-	-	668	738	733	714	735	553	-	4141
1987	MEAN	-	-	-	7.2	14.1	20.6	23.6	22.2	18.9	10.2	12.2	-	17.0
	MAXIMUM	-	-	-	18.2	26.9	26.0	28.9	29.2	22.7	18.0	15.8	-	29.2
	DAY-HR	-	-	-	21-21	30-20	25-21	24-23	02-22	28-21	05-22	03-21	-	AUG
	MINIMUM	-	-	-	4.0	6.2	13.6	16.4	15.2	11.1	4.2	7.3	-	4.0
	DAY-HR	-	-	-	10-11	03-13	10-09	14-17	26-14	30-22	21-13	05-15	-	APR
	# OBS	-	-	-	505	743	719	743	743	681	742	112	-	4988
1988	MEAN	-	-	-	6.9	12.8	18.9	23.7	24.0	18.7	9.8	7.0	-	16.6
	MAXIMUM	-	-	-	10.2	23.5	27.5	29.9	31.6	24.5	21.9	15.7	-	31.6
	DAY-HR	-	-	-	30-23	31-23	25-23	29-21	02-20	02-22	01-19	16-17	-	AUG
	MINIMUM	-	-	-	4.2	6.6	11.0	15.9	18.0	12.5	1.1	1.9	-	1.1
	DAY-HR	-	-	-	28-08	25-14	09-08	01-05	30-13	06-13	30-12	06-22	-	OCT
	# OBS	-	-	-	120	740	719	741	737	712	744	498	-	5011
1989	MEAN	-	-	-	-	12.3	18.4	22.6	22.0	18.4	13.2	-	-	18.7
	MAXIMUM	-	-	-	-	19.8	28.1	29.8	26.6	25.8	19.8	-	-	29.8
	DAY-HR	-	-	-	-	31-21	24-19	25-21	31-22	09-22	14-21	-	-	JUL
	MINIMUM	-	-	-	-	6.1	14.1	18.0	14.1	7.9	6.1	-	-	6.1
	DAY-HR	-	-	-	-	15-15	29-10	30-18	08-11	24-12	09-13	-	-	OCT
	# OBS	-	-	-	-	463	717	736	739	717	352	-	-	3724
1990	MEAN	-	-	-	-	12.4	18.3	21.3	21.8	18.7	12.9	7.5	3.4	15.7
	MAXIMUM	-	-	-	-	17.6	24.9	28.1	27.5	26.6	22.0	15.7	9.4	28.1
	DAY-HR	-	-	-	-	15-19	17-23	29-20	27-21	06-23	05-22	03-22	03-20	JUL
	MINIMUM	-	-	-	-	6.9	9.4	16.5	17.2	10.2	4.3	1.2	-2.1	-2.1
	DAY-HR	-	-	-	-	11-07	04-14	06-13	06-19	23-10	29-13	29-15	05-03	DEC
	# OBS	-	-	-	-	601	718	735	741	718	739	717	224	5193
1991	MEAN	-	-	-	6.9	14.6	21.1	23.6	22.5	-	-	-	-	17.6
	MAXIMUM	-	-	-	14.6	25.8	30.6	30.8	28.8	-	-	-	-	30.8
	DAY-HR	-	-	-	30-20	30-22	29-21	20-22	02-19	-	-	-	-	JUL
	MINIMUM	-	-	-	0.9	5.9	14.1	19.6	17.3	-	-	-	-	0.9
	DAY-HR	-	-	-	11-14	03-13	04-10	30-15	20-07	-	-	-	-	APR
	# OBS	-	-	-	670	736	719	741	462	-	-	-	-	3328
1992	MEAN	-	-	-	-	11.8	17.0	20.5	20.2	18.2	11.6	5.9	-	15.8
	MAXIMUM	-	-	-	-	22.9	25.3	25.3	26.6	24.1	19.9	13.7	-	26.6
	DAY-HR	-	-	-	-	22-20	13-22	14-22	10-22	06-22	03-22	04-02	-	AUG
	MINIMUM	-	-	-	-	5.9	8.6	15.4	14.4	8.2	2.8	-0.9	-	-0.9
	DAY-HR	-	-	-	-	06-11	21-08	31-17	29-09	29-16	19-11	15-04	-	NOV
	# OBS	-	-	-	-	620	719	735	736	718	740	375	-	4643
1993	MEAN	-	-	-	-	12.1	17.7	23.2	23.0	17.5	11.3	6.6	-	16.9
	MAXIMUM	-	-	-	-	18.0	25.7	28.7	29.2	25.7	19.8	12.9	-	29.2
	DAY-HR	-	-	-	-	29-00	18-22	28-19	27-21	14-23	08-20	14-04	-	AUG
	MINIMUM	-	-	-	-	7.4	8.2	18.8	17.2	7.9	3.7	-0.6	-	-0.6
	DAY-HR	-	-	-	-	13-14	01-13	30-14	05-15	30-02	30-05	07-18	-	NOV



	# OBS	-	-	-	-	453	716	742	737	716	743	379	-	4486
1994	MEAN	-	-	-	-	12.4	19.2	22.6	21.2	19.0	13.6	10.7	-	17.4
	MAXIMUM	-	-	-	-	22.2	29.9	27.6	26.9	25.3	20.3	16.5	-	29.9
	DAY-HR	-	-	-	-	30-21	18-23	20-22	01-22	14-20	08-23	05-03	-	JUN
	MINIMUM	-	-	-	-	6.3	10.7	16.4	14.9	13.6	7.5	2.5	-	2.5
	DAY-HR	-	-	-	-	17-11	01-17	10-16	09-16	30-12	26-13	22-16	-	NOV
	# OBS	-	-	-	-	550	719	738	740	718	736	520	-	4721
1995	MEAN	-	-	-	5.8	12.2	19.3	22.9	24.7	18.2	13.9	4.1	-	16.1
	MAXIMUM	-	-	-	12.9	19.6	25.3	28.1	29.7	26.8	21.6	15.6	-	29.7
	DAY-HR	-	-	-	19-05	31-19	30-22	15-03	15-22	01-01	12-23	02-21	-	AUG
	MINIMUM	-	-	-	2.1	6.0	10.9	15.3	19.9	9.5	5.9	-1.9	-	-1.9
	DAY-HR	-	-	-	15-11	01-09	08-15	08-14	25-15	23-14	22-05	12-15	-	NOV
	# OBS	-	-	-	458	742	715	736	739	712	742	497	-	5341
1996	MEAN	-	-	-	-	12.6	18.9	21.5	22.9	19.1	12.7	4.6	-	16.2
	MAXIMUM	-	-	-	-	19.0	26.9	26.6	29.0	25.3	21.1	16.4	-	29.0
	DAY-HR	-	-	-	-	20-00	29-21	13-20	07-22	11-23	01-23	07-20	-	AUG
	MINIMUM	-	-	-	-	8.2	13.4	16.0	18.3	12.4	2.3	-2.0	-	-2.0
	DAY-HR	-	-	-	-	17-04	05-10	10-14	01-00	28-13	31-14	14-04	-	NOV
	# OBS	-	-	-	-	381	713	836	789	717	732	856	-	5024
1997	MEAN	-	-	-	6.3	8.9	20.3	21.8	20.6	18.4	13.0	-	-	17.0
	MAXIMUM	-	-	-	15.7	14.2	27.6	27.4	28.2	24.2	22.5	-	-	28.2
	DAY-HR	-	-	-	29-21	01-01	24-23	18-23	09-22	02-22	09-20	-	-	AUG
	MINIMUM	-	-	-	1.5	4.5	14.2	15.2	15.7	12.1	2.0	-	-	1.5
	DAY-HR	-	-	-	18-14	10-10	17-17	09-15	22-10	21-12	27-21	-	-	APR
	# OBS	-	-	-	375	257	462	732	734	718	684	-	-	3962
1998	MEAN	-	-	9.0	7.5	15.7	19.4	22.9	22.9	20.6	13.8	7.8	10.3	16.1
	MAXIMUM	-	-	13.5	14.1	24.3	28.4	28.2	26.9	26.6	22.2	17.7	13.4	28.4
	DAY-HR	-	-	31-23	24-20	20-22	25-23	21-22	23-22	06-23	06-23	10-20	06-23	JUN
	MINIMUM	-	-	5.6	1.7	8.9	10.2	18.8	18.0	13.7	6.6	3.1	5.6	1.7
	DAY-HR	-	-	30-01	06-10	05-11	05-19	11-07	19-03	23-11	22-14	21-05	01-16	APR
	# OBS	-	-	119	694	712	691	740	787	713	736	717	144	6053
1999	MEAN	-	-	-	9.0	14.1	20.1	24.4	21.7	19.5	12.5	8.0	-	17.1
	MAXIMUM	-	-	-	11.4	24.2	26.6	29.8	26.9	25.1	19.9	18.3	-	29.8
	DAY-HR	-	-	-	30-22	30-19	06-22	31-20	01-02	13-01	17-01	01-20	-	JUL
	MINIMUM	-	-	-	7.8	8.6	11.0	18.0	16.6	12.1	4.7	0.0	-	0.0
	DAY-HR	-	-	-	29-15	01-11	15-13	10-15	30-12	22-14	24-15	30-20	-	NOV
	# OBS	-	-	-	48	743	720	744	739	715	740	713	-	5162
2000	MEAN	-	-	-	6.8	14.1	19.1	21.2	21.7	18.6	13.5	6.1	0.2	15.1
	MAXIMUM	-	-	-	15.2	22.2	25.3	25.3	26.1	25.3	21.0	15.8	3.9	26.1
	DAY-HR	-	-	-	15-20	06-21	13-21	18-00	10-00	03-23	02-19	02-23	01-03	AUG
	MINIMUM	-	-	-	0.9	5.5	11.5	16.8	16.7	9.6	5.5	-3.8	-2.4	-3.8
	DAY-HR	-	-	-	11-23	02-15	06-02	18-18	20-08	28-19	08-15	22-10	02-15	NOV
	# OBS	-	-	-	464	736	696	645	681	698	739	716	92	5467
2001	MEAN	-	-	-	8.7	14.2	19.6	22.4	23.4	18.2	12.6	9.3	7.4	16.8
	MAXIMUM	-	-	-	15.4	22.9	29.2	29.2	29.2	26.1	21.4	16.0	8.2	29.2
	DAY-HR	-	-	-	23-23	02-21	29-19	23-21	08-21	07-23	03-23	02-08	01-03	AUG
	MINIMUM	-	-	-	4.7	9.2	11.0	13.6	19.1	8.7	4.2	3.2	6.7	3.2
	DAY-HR	-	-	-	25-10	13-06	03-08	02-09	22-20	26-05	26-21	20-16	01-10	NOV
	# OBS	-	-	-	173	724	718	744	744	715	743	714	22	5297
POR	MEAN	-	-	9.0	7.1	13.2	19.1	22.6	22.4	18.8	12.6	6.8	3.1	16.4
	MAXIMUM	-	-	13.5	22.1	26.9	30.6	30.8	31.6	28.6	23.1	19.0	14.4	31.6
	YEAR	-	-	1998	1985	1987	1991	1991	1988	1983	1983	1984	1982	AUG/1988
	MINIMUM	-	-	5.6	-2.1	4.0	8.2	13.6	12.0	7.9	1.1	-6.2	-8.1	-8.1
	YEAR	-	-	1998	1983	1983	1993	2001	1986	1993	1988	1986	1984	DEC/1984
	# OBS	-	-	119	5215	12547	14775	16152	15926	14768	14338	10962	1720	106522

STATION: 45005 -- POR (6/1980 - 12/2001)

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

ELEMENT: SEA TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	-	20.4	23.4	24.2	22.2	14.1	6.9	3.8	17.3
	MAXIMUM	-	-	-	-	-	22.7	26.7	26.5	25.9	20.0	9.5	4.9	26.7
	DAY-HR	-	-	-	-	-	27-03	26-21	09-21	03-18	01-00	02-22	01-21	JUL
	MINIMUM	-	-	-	-	-	18.4	18.9	21.9	18.9	9.1	4.4	3.1	3.1
	DAY-HR	-	-	-	-	-	24-07	01-12	17-23	29-13	31-17	30-23	06-09	DEC
	# OBS	-	-	-	-	-	172	618	633	717	743	720	185	3788
1981	MEAN	-	-	-	7.0	10.8	18.7	23.8	23.2	20.1	13.0	9.0	4.4	15.4

	MAXIMUM	-	-	-	8.6	16.9	22.0	26.4	25.0	23.8	16.4	12.1	6.0	26.4
	DAY-HR	-	-	-	21-14	27-15	30-17	19-00	02-22	01-19	01-22	04-21	01-04	JUL
	MINIMUM	-	-	-	5.7	6.9	13.6	20.4	22.1	16.3	10.6	5.7	2.5	2.5
	DAY-HR	-	-	-	10-14	01-15	01-14	01-14	25-14	30-23	30-14	30-14	14-20	DEC
	# OBS	-	-	-	501	742	629	741	743	715	718	720	325	5834
1982	MEAN	-	-	-	3.8	13.4	18.1	23.6	23.7	20.2	15.8	9.0	6.4	16.5
	MAXIMUM	-	-	-	8.8	19.1	21.7	26.6	26.1	23.3	19.4	13.1	6.7	26.6
	DAY-HR	-	-	-	26-20	31-19	29-22	25-23	03-21	13-22	01-21	02-22	03-23	JUL
	MINIMUM	-	-	-	1.0	6.8	15.6	19.9	21.3	17.9	12.6	6.0	6.1	1.0
	DAY-HR	-	-	-	13-15	01-12	06-15	01-14	30-15	30-13	31-09	30-15	01-15	APR
	# OBS	-	-	-	432	740	694	742	743	719	744	719	75	5608
1983	MEAN	-	-	-	5.2	10.4	18.9	24.2	25.1	22.4	15.9	9.2	3.7	16.3
	MAXIMUM	-	-	-	7.6	14.6	24.4	28.3	27.4	26.3	19.9	12.3	5.2	28.3
	DAY-HR	-	-	-	27-22	29-00	26-23	19-23	07-21	03-21	02-21	02-23	01-00	JUL
	MINIMUM	-	-	-	4.1	6.1	12.3	20.4	22.7	18.8	12.0	5.2	2.6	2.6
	DAY-HR	-	-	-	20-14	01-08	01-13	01-14	15-13	25-11	31-15	30-23	13-16	DEC
	# OBS	-	-	-	435	737	662	738	737	719	742	718	303	5791
1984	MEAN	-	-	-	-	12.2	18.5	22.3	24.0	20.5	16.2	9.6	4.1	17.1
	MAXIMUM	-	-	-	-	15.4	23.1	25.2	26.2	23.2	18.1	14.8	6.3	26.2
	DAY-HR	-	-	-	-	24-23	26-22	15-00	18-22	02-21	01-01	02-01	01-10	AUG
	MINIMUM	-	-	-	-	10.2	11.2	20.2	22.3	18.1	14.8	5.7	2.3	2.3
	DAY-HR	-	-	-	-	31-12	01-07	01-14	24-14	30-23	31-23	30-15	15-11	DEC
	# OBS	-	-	-	-	388	714	743	744	715	743	718	350	5115
1985	MEAN	-	-	-	9.0	13.4	17.9	22.2	23.1	22.3	-	-	-	18.7
	MAXIMUM	-	-	-	14.0	18.3	21.0	26.1	25.1	25.2	-	-	-	26.1
	DAY-HR	-	-	-	22-21	27-19	09-03	29-23	09-22	08-03	-	-	-	JUL
	MINIMUM	-	-	-	5.6	9.1	14.9	19.8	22.3	20.6	-	-	-	5.6
	DAY-HR	-	-	-	18-08	02-15	01-13	02-14	01-12	18-14	-	-	-	APR
	# OBS	-	-	-	337	729	718	741	738	500	-	-	-	3763
1986	MEAN	-	-	-	-	-	18.2	23.1	23.2	20.2	15.8	9.7	-	18.7
	MAXIMUM	-	-	-	-	-	22.7	27.6	26.8	22.7	20.3	13.3	-	27.6
	DAY-HR	-	-	-	-	-	25-20	24-21	05-22	02-18	01-05	01-23	-	JUL
	MINIMUM	-	-	-	-	-	14.2	20.2	20.6	18.8	12.9	5.8	-	5.8
	DAY-HR	-	-	-	-	-	03-13	01-13	31-13	19-17	31-16	23-11	-	NOV
	# OBS	-	-	-	-	-	668	737	733	715	734	553	-	4140
1987	MEAN	-	-	-	5.6	12.9	20.6	24.2	23.7	20.4	13.3	10.3	-	17.6
	MAXIMUM	-	-	-	13.6	24.3	26.7	28.1	27.6	23.4	18.8	10.5	-	28.1
	DAY-HR	-	-	-	21-21	30-20	24-18	22-22	03-21	08-22	01-00	05-08	-	JUL
	MINIMUM	-	-	-	2.8	7.0	17.9	21.0	20.6	18.8	9.8	10.1	-	2.8
	DAY-HR	-	-	-	10-13	01-15	02-12	02-20	31-16	30-23	31-14	01-12	-	APR
	# OBS	-	-	-	505	743	719	743	743	681	741	112	-	4987
1988	MEAN	-	-	-	6.2	11.7	18.7	24.0	25.1	20.3	13.5	7.6	-	17.4
	MAXIMUM	-	-	-	8.6	21.9	23.7	28.4	30.1	23.4	19.6	8.6	-	30.1
	DAY-HR	-	-	-	30-19	31-21	15-23	29-22	02-21	02-20	01-19	01-01	-	AUG
	MINIMUM	-	-	-	5.8	6.7	15.2	19.5	21.2	18.4	7.9	6.2	-	5.8
	DAY-HR	-	-	-	26-14	01-12	03-15	01-14	26-13	29-13	31-10	21-20	-	APR
	# OBS	-	-	-	120	740	720	741	735	712	744	498	-	5010
1989	MEAN	-	-	-	-	10.1	18.4	23.2	23.2	20.8	15.4	-	-	19.5
	MAXIMUM	-	-	-	-	14.9	26.1	28.5	26.1	24.2	18.0	-	-	28.5
	DAY-HR	-	-	-	-	31-23	24-19	25-20	01-23	12-23	02-20	-	-	JUL
	MINIMUM	-	-	-	-	6.6	13.4	19.9	22.2	17.2	14.0	-	-	6.6
	DAY-HR	-	-	-	-	14-11	01-06	01-12	31-13	30-15	11-13	-	-	MAY
	# OBS	-	-	-	-	463	716	735	738	718	352	-	-	3722
1990	MEAN	-	-	-	-	11.8	17.7	21.6	23.3	21.3	15.0	9.0	5.3	16.7
	MAXIMUM	-	-	-	-	16.4	22.2	26.8	25.9	25.3	17.6	12.2	7.1	26.8
	DAY-HR	-	-	-	-	31-22	30-21	29-21	27-22	02-21	03-20	03-21	03-15	JUL
	MINIMUM	-	-	-	-	8.2	14.1	19.5	22.2	17.5	11.4	6.4	4.0	4.0
	DAY-HR	-	-	-	-	08-14	03-12	03-14	23-16	30-16	31-15	30-23	09-15	DEC
	# OBS	-	-	-	-	600	717	733	741	718	739	719	224	5191
1991	MEAN	-	-	-	5.9	14.1	21.2	24.7	23.7	-	-	-	-	17.7
	MAXIMUM	-	-	-	9.6	25.0	27.7	28.4	26.8	-	-	-	-	28.4
	DAY-HR	-	-	-	28-16	28-19	29-21	20-23	02-19	-	-	-	-	JUL
	MINIMUM	-	-	-	3.6	7.5	17.2	22.9	22.7	-	-	-	-	3.6
	DAY-HR	-	-	-	03-17	03-13	06-14	02-13	12-12	-	-	-	-	APR
	# OBS	-	-	-	668	736	716	740	462	-	-	-	-	3322
1992	MEAN	-	-	-	-	11.5	17.5	21.2	21.7	20.4	14.0	9.2	-	17.2
	MAXIMUM	-	-	-	-	18.7	24.3	25.0	24.5	23.0	18.0	11.3	-	25.0
	DAY-HR	-	-	-	-	22-19	13-21	11-20	17-20	07-19	03-21	03-21	-	JUL
	MINIMUM	-	-	-	-	6.7	13.3	19.2	20.3	17.6	10.3	6.4	-	6.4
	DAY-HR	-	-	-	-	06-13	01-13	04-13	02-13	30-19	31-23	16-15	-	NOV
	# OBS	-	-	-	-	621	719	734	735	718	740	374	-	4641
1993	MEAN	-	-	-	-	10.9	16.9	23.5	23.9	20.4	13.5	8.5	-	17.8

	MAXIMUM	-	-	-	-	14.4	21.5	26.1	28.1	24.3	16.8	10.2	-	28.1
	DAY-HR	-	-	-	-	26-22	26-21	23-22	27-20	01-00	08-22	01-05	-	AUG
	MINIMUM	-	-	-	-	8.7	11.8	19.8	22.2	15.7	10.2	7.8	-	7.8
	DAY-HR	-	-	-	-	16-17	03-12	01-14	07-14	30-13	31-23	12-15	-	NOV
	# OBS	-	-	-	-	442	714	742	737	714	743	379	-	4471
1994	MEAN	-	-	-	-	11.0	18.6	23.0	22.4	21.0	15.8	11.7	-	18.2
	MAXIMUM	-	-	-	-	18.5	29.4	26.4	26.9	23.0	18.8	13.3	-	29.4
	DAY-HR	-	-	-	-	22-20	18-20	31-21	03-21	14-23	01-04	01-13	-	JUN
	MINIMUM	-	-	-	-	7.9	12.8	19.1	19.6	18.4	13.3	4.8	-	4.8
	DAY-HR	-	-	-	-	10-12	02-14	01-14	10-12	30-13	31-23	22-19	-	NOV
	# OBS	-	-	-	-	549	719	739	740	718	736	520	-	4721
1995	MEAN	-	-	-	4.2	11.1	18.9	23.1	25.8	21.6	15.4	7.9	-	16.9
	MAXIMUM	-	-	-	7.1	18.4	24.3	27.7	28.9	25.8	19.6	12.5	-	28.9
	DAY-HR	-	-	-	29-17	31-19	30-23	31-19	16-00	06-23	02-22	02-20	-	AUG
	MINIMUM	-	-	-	2.8	6.1	14.8	20.3	24.3	18.0	11.7	4.8	-	2.8
	DAY-HR	-	-	-	15-13	01-03	04-14	08-13	09-16	29-14	31-23	21-16	-	APR
	# OBS	-	-	-	458	742	682	737	739	715	742	497	-	5312
1996	MEAN	-	-	-	-	10.4	17.4	21.9	23.6	20.8	14.2	8.0	-	17.0
	MAXIMUM	-	-	-	-	15.2	23.1	24.5	26.3	23.9	18.3	10.5	-	26.3
	DAY-HR	-	-	-	-	31-18	28-22	13-20	07-23	02-20	01-22	01-01	-	AUG
	MINIMUM	-	-	-	-	6.7	13.0	19.7	21.6	16.9	10.6	1.8	-	1.8
	DAY-HR	-	-	-	-	17-04	02-21	04-13	01-13	30-14	31-23	18-23	-	NOV
	# OBS	-	-	-	-	380	712	836	789	716	732	858	-	5023
1997	MEAN	-	-	-	4.7	7.3	18.8	22.0	21.3	19.6	15.3	-	-	17.3
	MAXIMUM	-	-	-	10.7	11.3	24.2	29.0	25.8	22.7	19.5	-	-	29.0
	DAY-HR	-	-	-	29-21	23-22	23-21	25-22	09-22	02-22	08-21	-	-	JUL
	MINIMUM	-	-	-	2.4	5.2	15.6	16.5	18.6	17.2	4.3	-	-	2.4
	DAY-HR	-	-	-	15-14	02-05	15-13	05-10	23-12	30-23	29-12	-	-	APR
	# OBS	-	-	-	375	254	462	723	734	718	684	-	-	3950
1998	MEAN	-	-	3.4	6.7	14.9	19.6	23.7	23.8	22.2	16.7	9.5	7.8	16.8
	MAXIMUM	-	-	12.1	11.8	20.7	26.6	27.1	26.0	24.5	21.4	13.6	8.2	27.1
	DAY-HR	-	-	26-02	23-21	27-20	24-21	15-20	14-21	01-00	01-01	01-01	06-23	JUL
	MINIMUM	-	-	2.1	4.0	9.5	15.9	21.9	23.0	20.7	13.3	7.1	7.4	2.1
	DAY-HR	-	-	26-15	01-13	01-07	08-13	26-13	26-13	30-16	31-15	28-16	02-16	MAR
	# OBS	-	-	119	693	712	691	740	787	712	736	717	144	6051
1999	MEAN	-	-	-	8.4	13.1	20.1	24.5	23.5	20.9	14.6	9.1	-	17.9
	MAXIMUM	-	-	-	11.0	22.2	25.3	28.4	27.2	25.0	18.4	13.4	-	28.4
	DAY-HR	-	-	-	30-23	30-21	28-20	30-21	01-22	06-18	01-02	01-20	-	JUL
	MINIMUM	-	-	-	7.5	8.7	14.9	21.5	21.1	18.4	11.3	6.6	-	6.6
	DAY-HR	-	-	-	29-00	01-13	04-13	02-12	31-15	30-15	29-13	30-20	-	NOV
	# OBS	-	-	-	48	743	720	744	739	715	740	713	-	5162
2000	MEAN	-	-	-	6.4	12.9	18.6	22.3	23.1	21.0	15.0	9.5	4.1	16.2
	MAXIMUM	-	-	-	10.5	18.0	23.0	25.8	25.1	25.4	19.1	14.1	4.8	25.8
	DAY-HR	-	-	-	29-23	31-22	19-23	13-22	13-21	01-20	03-20	01-21	01-06	JUL
	MINIMUM	-	-	-	3.9	7.9	14.8	20.7	22.1	16.8	13.6	4.7	3.2	3.2
	DAY-HR	-	-	-	13-13	02-13	07-12	01-11	22-13	30-15	31-12	24-16	04-04	DEC
	# OBS	-	-	-	464	736	696	647	681	700	738	718	93	5473
2001	MEAN	-	-	-	8.1	13.3	19.6	23.4	24.4	20.8	14.1	9.4	8.6	17.5
	MAXIMUM	-	-	-	12.2	18.8	27.5	27.4	28.0	24.1	18.3	11.0	8.6	28.0
	DAY-HR	-	-	-	26-20	19-23	29-19	23-21	01-21	03-22	02-22	03-23	01-21	AUG
	MINIMUM	-	-	-	6.3	9.5	14.4	21.2	22.7	16.5	10.2	8.3	8.3	6.3
	DAY-HR	-	-	-	25-09	01-13	04-00	08-06	24-08	29-15	31-13	23-16	01-01	APR
	# OBS	-	-	-	173	724	717	744	744	713	743	714	22	5294
POR	MEAN	-	-	3.4	6.0	12.1	18.7	23.1	23.6	20.9	14.8	9.0	4.7	17.2
	MAXIMUM	-	-	12.1	14.0	25.0	29.4	29.0	30.1	26.3	21.4	14.8	8.6	30.1
	YEAR	-	-	1998	1985	1991	1994	1997	1988	1983	1998	1984	2001	AUG/1988
	MINIMUM	-	-	2.1	1.0	5.2	11.2	16.5	18.6	15.7	4.3	1.8	2.3	1.0
	YEAR	-	-	1998	1982	1997	1984	1997	1997	1993	1997	1996	1984	APR/1982
	# OBS	-	-	119	5209	12521	14677	16138	15915	14768	14334	10967	1721	106369

STATION: 45005 -- POR (6/1980 - 12/2001)

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	-	1013.1	1013.9	1016.4	1017.2	1015.9	1018.7	1021.1	1016.5
	MAXIMUM	-	-	-	-	-	1018.5	1019.3	1024.0	1027.2	1034.0	1034.4	1036.7	1036.7
	DAY-HR	-	-	-	-	-	24-16	24-17	24-15	27-13	23-16	26-15	04-00	DEC
	MINIMUM	-	-	-	-	-	1001.8	1006.9	1007.4	1000.7	1003.3	996.4	1002.1	996.4

	DAY-HR	-	-	-	-	-	29-22	17-01	12-01	17-11	02-03	07-22	02-17	NOV
	# OBS	-	-	-	-	-	173	619	633	717	742	720	185	3789
1981	MEAN	-	-	-	1017.8	1015.5	1012.2	1016.3	1016.4	1015.7	1019.5	1018.3	1016.4	1016.5
	MAXIMUM	-	-	-	1043.9	1024.8	1026.2	1027.2	1025.1	1029.2	1031.2	1031.8	1027.8	1043.9
	DAY-HR	-	-	-	15-16	17-18	27-15	31-16	01-14	24-17	13-16	12-16	13-16	APR
	MINIMUM	-	-	-	995.6	1004.3	996.7	1002.5	1003.0	1003.6	994.9	992.0	994.5	992.0
	DAY-HR	-	-	-	24-11	11-07	09-08	20-23	07-22	19-22	18-10	20-07	02-00	NOV
	# OBS	-	-	-	505	742	629	741	743	715	718	720	325	5838
1982	MEAN	-	-	-	1019.3	1016.0	1013.2	1015.8	1017.3	1018.0	1019.8	1020.7	1018.2	1017.4
	MAXIMUM	-	-	-	1031.4	1024.5	1021.4	1022.8	1028.4	1027.6	1034.6	1037.4	1023.2	1037.4
	DAY-HR	-	-	-	22-19	04-14	24-15	01-18	29-13	08-15	24-14	27-16	02-16	NOV
	MINIMUM	-	-	-	995.3	1003.1	1000.1	1005.9	1001.7	1004.3	1002.5	996.3	1013.2	995.3
	DAY-HR	-	-	-	13-11	30-10	15-23	11-08	25-08	02-21	15-10	12-18	04-02	APR
	# OBS	-	-	-	432	742	697	742	743	719	744	719	75	5613
1983	MEAN	-	-	-	1011.9	1013.9	1015.7	1015.9	1017.5	1019.4	1021.2	1014.5	1018.0	1016.6
	MAXIMUM	-	-	-	1019.8	1028.5	1023.7	1028.4	1026.0	1035.3	1037.5	1029.9	1033.6	1037.5
	DAY-HR	-	-	-	12-21	10-15	11-15	07-17	24-18	24-15	30-05	01-02	11-00	OCT
	MINIMUM	-	-	-	1000.4	997.3	1003.4	1005.6	1004.9	1006.1	1002.8	994.1	993.4	993.4
	DAY-HR	-	-	-	14-18	02-20	04-08	23-22	11-15	21-03	13-14	20-19	06-19	DEC
	# OBS	-	-	-	435	744	719	742	744	719	742	718	303	5866
1984	MEAN	-	-	-	1017.0	1014.8	1015.6	1015.6	1019.5	1020.8	1019.8	1019.8	1018.2	1017.7
	MAXIMUM	-	-	-	1028.8	1026.5	1026.5	1025.5	1032.6	1032.3	1041.5	1032.4	1041.5	1041.5
	DAY-HR	-	-	-	17-13	15-17	29-16	25-16	17-15	31-14	21-16	05-08	NOV	NOV
	MINIMUM	-	-	-	1005.2	1002.4	1004.1	1005.9	1007.6	1006.7	999.9	1000.7	999.9	999.9
	DAY-HR	-	-	-	25-22	27-18	11-11	30-14	03-00	21-09	11-09	13-00	NOV	NOV
	# OBS	-	-	-	388	714	743	744	715	743	718	349	5114	5114
1985	MEAN	-	-	-	1017.5	1013.6	1014.4	1015.7	1018.6	1021.9	-	-	-	1016.6
	MAXIMUM	-	-	-	1031.1	1027.1	1023.4	1024.5	1026.8	1037.3	-	-	-	1037.3
	DAY-HR	-	-	-	17-14	08-17	25-13	17-17	28-12	13-16	-	-	-	SEP
	MINIMUM	-	-	-	1007.8	996.7	999.2	1007.1	1010.0	1010.8	-	-	-	996.7
	DAY-HR	-	-	-	24-23	31-21	01-01	05-21	25-01	05-23	-	-	-	MAY
	# OBS	-	-	-	337	729	716	739	737	500	-	-	-	3758
1986	MEAN	-	-	-	-	-	1015.6	1015.7	1017.9	1018.5	1019.8	1021.8	-	1018.4
	MAXIMUM	-	-	-	-	-	1026.0	1026.0	1029.6	1032.1	1034.8	1039.5	-	1039.5
	DAY-HR	-	-	-	-	-	03-14	23-16	30-15	16-16	19-15	14-03	-	NOV
	MINIMUM	-	-	-	-	-	1003.4	1007.4	1005.8	1001.1	1004.0	1003.9	-	1001.1
	DAY-HR	-	-	-	-	-	12-09	12-09	27-01	12-06	04-18	20-21	-	SEP
	# OBS	-	-	-	-	-	414	534	733	715	735	553	-	3684
1987	MEAN	-	-	-	1015.0	1018.9	1014.5	1016.4	1016.5	1015.4	1019.1	1020.0	-	1016.7
	MAXIMUM	-	-	-	1029.1	1029.5	1027.1	1025.0	1028.3	1026.6	1032.6	1030.9	-	1032.6
	DAY-HR	-	-	-	25-16	04-17	10-15	17-14	24-16	03-16	25-16	01-00	-	OCT
	MINIMUM	-	-	-	1000.4	1009.3	1004.8	1007.4	1003.8	1002.7	998.9	1006.5	-	998.9
	DAY-HR	-	-	-	29-21	12-01	22-10	14-01	02-22	18-09	02-08	04-21	-	OCT
	# OBS	-	-	-	505	743	719	743	743	681	742	112	-	4988
1988	MEAN	-	-	-	1010.5	1015.3	1016.0	1016.2	1015.1	1017.3	1017.0	1012.2	-	1015.6
	MAXIMUM	-	-	-	1019.0	1022.2	1024.9	1024.8	1023.3	1028.0	1033.2	1030.8	-	1033.2
	DAY-HR	-	-	-	30-13	02-17	14-14	05-16	31-16	15-18	13-16	18-16	-	OCT
	MINIMUM	-	-	-	1003.3	1001.8	1004.5	1009.3	1001.7	997.8	995.5	981.4	-	981.4
	DAY-HR	-	-	-	27-10	09-20	25-23	14-23	25-21	05-07	23-23	05-19	-	NOV
	# OBS	-	-	-	120	740	720	741	735	713	744	498	-	5011
1989	MEAN	-	-	-	1014.7	1014.7	1017.0	1015.7	1018.8	1015.6	-	-	-	1016.2
	MAXIMUM	-	-	-	1029.6	1026.7	1026.9	1024.6	1034.4	1022.9	-	-	-	1034.4
	DAY-HR	-	-	-	28-15	29-16	23-16	18-16	27-16	09-16	-	-	-	SEP
	MINIMUM	-	-	-	1002.0	1004.1	1004.9	1002.4	995.1	1005.1	-	-	-	995.1
	DAY-HR	-	-	-	26-08	13-01	20-11	04-20	22-23	06-04	-	-	-	SEP
	# OBS	-	-	-	463	716	736	739	717	352	-	-	-	3723
1990	MEAN	-	-	-	1012.9	1013.4	1016.8	1017.6	1016.3	1016.7	1017.9	1018.4	1016.1	1016.1
	MAXIMUM	-	-	-	1023.5	1023.4	1026.9	1023.3	1027.5	1030.0	1030.8	1031.9	1031.9	1031.9
	DAY-HR	-	-	-	31-16	11-17	26-17	01-16	18-11	29-16	14-13	02-16	DEC	DEC
	MINIMUM	-	-	-	992.8	996.3	1008.6	1005.3	1000.8	998.2	993.5	999.6	992.8	992.8
	DAY-HR	-	-	-	10-10	23-14	04-23	29-00	14-22	18-11	05-23	03-21	MAY	MAY
	# OBS	-	-	-	600	718	734	740	718	739	717	224	5190	5190
1991	MEAN	-	-	-	1015.7	1017.3	1016.6	1014.6	1015.5	-	-	-	-	1016.0
	MAXIMUM	-	-	-	1037.3	1031.2	1027.0	1025.4	1025.3	-	-	-	-	1037.3
	DAY-HR	-	-	-	12-15	08-14	07-13	27-17	06-16	-	-	-	-	APR
	MINIMUM	-	-	-	999.1	1004.9	1004.9	1005.4	1007.0	-	-	-	-	999.1
	DAY-HR	-	-	-	09-23	30-23	15-23	13-10	17-23	-	-	-	-	APR
	# OBS	-	-	-	670	736	718	742	462	-	-	-	-	3328
1992	MEAN	-	-	-	1020.1	1013.5	1013.6	1018.3	1019.4	1018.0	1018.0	-	-	1017.1
	MAXIMUM	-	-	-	1030.9	1021.8	1023.3	1025.7	1029.9	1036.3	1030.9	-	-	1036.3
	DAY-HR	-	-	-	07-14	16-17	22-13	06-16	24-15	22-15	08-16	-	-	OCT
	MINIMUM	-	-	-	1009.6	1003.1	1005.7	1004.7	1004.8	1004.5	985.1	-	-	985.1

	DAY-HR	-	-	-	-	13-08	24-09	13-05	28-15	18-21	12-20	12-23	-	NOV
	# OBS	-	-	-	-	621	719	734	736	718	740	374	-	4642
1993	MEAN	-	-	-	-	1012.9	1015.7	1015.0	1016.6	1016.3	1016.7	1019.0	-	1016.0
	MAXIMUM	-	-	-	-	1025.9	1025.0	1022.1	1026.3	1028.3	1029.8	1031.7	-	1031.7
	DAY-HR	-	-	-	-	29-16	16-15	15-16	09-14	30-16	23-16	02-15	-	NOV
	MINIMUM	-	-	-	-	1000.3	1002.3	1007.5	1005.9	999.9	1001.0	1000.7	-	999.9
	DAY-HR	-	-	-	-	31-09	05-09	28-21	02-09	26-09	17-19	05-18	-	SEP
	# OBS	-	-	-	-	453	716	742	737	716	743	379	-	4486
1994	MEAN	-	-	-	-	1015.0	1013.0	1015.0	1016.7	1017.2	1018.8	1018.3	-	1016.3
	MAXIMUM	-	-	-	-	1022.8	1024.2	1022.3	1025.5	1027.5	1031.3	1031.7	-	1031.7
	DAY-HR	-	-	-	-	18-03	03-14	11-14	10-18	03-16	11-17	11-16	-	NOV
	MINIMUM	-	-	-	-	998.7	995.0	1006.6	1005.5	1003.3	1006.8	993.5	-	993.5
	DAY-HR	-	-	-	-	26-12	25-05	25-23	21-09	28-18	31-23	01-11	-	NOV
	# OBS	-	-	-	-	549	719	738	740	718	736	520	-	4720
1995	MEAN	-	-	-	1013.8	1013.7	1014.4	1013.5	1015.2	1018.3	1013.5	1015.9	-	1014.8
	MAXIMUM	-	-	-	1021.4	1024.9	1027.8	1022.7	1022.3	1029.2	1026.9	1029.5	-	1029.5
	DAY-HR	-	-	-	15-16	26-16	16-18	30-17	23-03	23-16	30-16	05-16	-	NOV
	MINIMUM	-	-	-	997.3	999.1	1000.8	1005.5	1008.3	1008.6	992.5	988.4	-	988.4
	DAY-HR	-	-	-	19-05	14-09	07-22	23-10	31-18	01-00	27-18	11-17	-	NOV
	# OBS	-	-	-	458	742	715	736	739	715	742	497	-	5344
1996	MEAN	-	-	-	-	1013.8	1013.8	1012.9	1017.9	1012.7	1016.0	1021.5	-	1015.8
	MAXIMUM	-	-	-	-	1024.9	1024.2	1024.1	1024.9	1026.8	1034.3	1041.4	-	1041.4
	DAY-HR	-	-	-	-	31-16	26-15	27-18	19-16	30-15	04-14	15-15	-	NOV
	MINIMUM	-	-	-	-	1000.3	1006.1	1002.1	1012.0	1000.9	999.7	999.1	-	990.7
	DAY-HR	-	-	-	-	21-05	22-10	09-02	15-23	22-09	30-13	07-22	-	OCT
	# OBS	-	-	-	-	381	713	836	789	717	732	856	-	5024
1997	MEAN	-	-	-	1011.9	1012.0	1012.0	1015.7	1016.0	1015.3	1018.4	-	-	1015.1
	MAXIMUM	-	-	-	1027.1	1026.1	1021.4	1027.9	1024.9	1028.0	1029.8	-	-	1029.8
	DAY-HR	-	-	-	26-17	23-13	27-17	31-16	07-17	21-15	16-12	-	-	OCT
	MINIMUM	-	-	-	994.8	990.8	1000.5	1001.5	1002.3	991.0	994.6	-	-	990.8
	DAY-HR	-	-	-	30-23	01-05	16-22	03-02	15-21	29-23	27-06	-	-	MAY
	# OBS	-	-	-	374	250	461	732	734	718	683	-	-	3952
1998	MEAN	-	-	1011.5	1013.8	1011.5	1010.7	1014.4	1017.1	1013.8	1020.3	1017.3	1014.8	1014.9
	MAXIMUM	-	-	1020.6	1030.8	1020.8	1023.2	1022.7	1028.1	1023.5	1031.7	1028.8	1026.7	1031.7
	DAY-HR	-	-	26-01	28-16	18-13	08-20	31-20	01-16	23-17	22-17	12-15	01-16	OCT
	MINIMUM	-	-	1002.2	991.4	997.0	995.5	1003.3	1005.4	1005.6	1006.0	995.6	1005.4	991.4
	DAY-HR	-	-	28-18	09-16	08-10	02-21	01-00	25-01	02-11	01-06	10-20	06-22	APR
	# OBS	-	-	110	693	712	691	740	787	712	736	716	144	6041
1999	MEAN	-	-	-	1024.3	1014.8	1016.1	1014.3	1014.2	1014.5	1018.0	1018.4	-	1015.8
	MAXIMUM	-	-	-	1027.6	1025.1	1028.0	1024.1	1025.0	1022.9	1029.3	1038.2	-	1038.2
	DAY-HR	-	-	-	30-17	01-14	19-15	11-16	30-17	17-16	07-14	30-16	-	NOV
	MINIMUM	-	-	-	1019.6	998.6	997.8	1002.4	1003.3	1004.8	993.9	1000.7	-	993.9
	DAY-HR	-	-	-	29-00	24-09	29-08	30-06	13-23	24-08	22-12	02-21	-	OCT
	# OBS	-	-	-	48	743	720	744	739	715	740	713	-	5162
2000	MEAN	-	-	-	1016.1	1012.6	1014.9	1014.7	1016.6	1016.1	1021.1	1015.4	1031.1	1016.2
	MAXIMUM	-	-	-	1032.7	1024.4	1025.1	1023.4	1026.9	1029.2	1032.5	1029.0	1037.7	1037.7
	DAY-HR	-	-	-	13-05	03-15	03-16	08-12	21-14	29-15	23-14	23-16	03-16	DEC
	MINIMUM	-	-	-	996.7	997.3	1004.9	1005.3	1005.6	998.0	1005.1	991.4	1022.5	991.4
	DAY-HR	-	-	-	20-23	23-23	21-12	14-20	06-15	21-00	02-21	10-04	04-20	NOV
	# OBS	-	-	-	464	736	696	645	681	701	738	717	93	5471
2001	MEAN	-	-	-	1024.1	1014.9	1015.7	1015.1	1015.5	1017.2	1016.6	1019.9	1015.5	1016.6
	MAXIMUM	-	-	-	1034.8	1026.9	1027.1	1026.5	1026.0	1027.6	1034.9	1033.4	1021.1	1034.9
	DAY-HR	-	-	-	29-15	13-16	27-15	02-16	01-16	14-15	28-15	12-16	01-21	OCT
	MINIMUM	-	-	-	1008.3	999.3	998.9	1004.7	1006.9	1005.8	993.8	1004.0	1010.6	993.8
	DAY-HR	-	-	-	24-00	21-21	02-20	11-01	19-07	20-00	25-02	25-04	01-00	OCT
	# OBS	-	-	-	173	724	718	744	744	714	743	714	22	5296
POR	MEAN	-	-	1011.5	1015.5	1014.9	1014.4	1015.2	1016.6	1017.0	1018.2	1018.2	1018.6	1016.3
	MAXIMUM	-	-	1020.6	1043.9	1031.2	1028.0	1028.4	1029.6	1037.3	1037.5	1041.5	1037.7	1043.9
	YEAR	-	-	1998	1981	1991	1999	1983	1986	1985	1983	1984	2000	APR/1981
	MINIMUM	-	-	1002.2	991.4	990.8	995.0	1001.5	1001.7	991.0	990.7	981.4	993.4	981.4
	YEAR	-	-	1998	1998	1997	1994	1997	1988	1997	1996	1988	1983	NOV/1988
	# OBS	-	-	110	5214	12538	14521	15947	15922	14773	14334	10961	1720	106040

STATION: 45005 -- POR (6/1980 - 12/2001)

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

ELEMENT: AVERAGE WIND SPEED (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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1980	MEAN	-	-	-	-	6.3	6.5	7.5	9.2	11.7	11.9	9.6	9.4	
	MAXIMUM	-	-	-	-	18.5	18.9	20.2	22.4	25.3	24.9	28.6	28.6	
	DAY-HR	-	-	-	-	30-00	12-17	14-09	17-14	26-13	29-03	02-20	DEC	
	MINIMUM	-	-	-	-	0.8	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
	DAY-HR	-	-	-	-	24-17	14-20	28-01	06-01	22-22	26-21	01-20	NOV	
	# OBS	-	-	-	-	173	619	632	718	744	720	185	3791	
1981	MEAN	-	-	-	11.9	11.7	11.5	8.2	9.4	11.7	13.7	10.3	12.8	11.1
	MAXIMUM	-	-	-	24.7	27.4	18.1	25.5	23.9	27.0	33.8	31.9	27.0	33.8
	DAY-HR	-	-	-	20-12	06-10	19-22	26-15	17-02	28-03	18-19	20-16	01-13	OCT
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	-	-	-	30-23	27-11	14-01	30-20	28-21	30-00	09-03	17-05	14-20	DEC
	# OBS	-	-	-	502	738	488	737	743	715	646	639	325	5533
1982	MEAN	-	-	-	8.6	6.1	8.7	7.4	8.2	8.7	10.1	12.1	9.3	8.8
	MAXIMUM	-	-	-	21.4	19.6	28.8	19.1	22.9	20.8	30.5	29.9	17.9	30.5
	DAY-HR	-	-	-	21-06	22-04	16-00	11-11	25-09	03-01	20-19	12-20	03-12	OCT
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
	DAY-HR	-	-	-	26-16	12-21	28-16	26-21	24-20	14-21	27-18	18-08	02-00	NOV
	# OBS	-	-	-	432	741	701	723	743	719	743	717	74	5593
1983	MEAN	-	-	-	9.9	9.1	6.4	7.0	6.7	9.2	10.9	11.5	11.3	8.9
	MAXIMUM	-	-	-	25.1	22.7	20.0	19.8	18.1	21.0	23.1	25.1	26.8	26.8
	DAY-HR	-	-	-	17-15	08-13	28-17	04-21	11-04	22-19	14-10	11-22	07-07	DEC
	MINIMUM	-	-	-	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.6	0.0
	DAY-HR	-	-	-	30-23	27-16	27-17	27-18	25-16	03-17	01-21	02-21	08-09	JUL
	# OBS	-	-	-	435	744	719	744	744	719	741	718	303	5867
1984	MEAN	-	-	-	-	6.9	5.0	4.4	4.3	4.4	-	12.1	13.0	6.2
	MAXIMUM	-	-	-	-	18.1	12.4	14.4	11.3	11.5	-	31.3	27.2	31.3
	DAY-HR	-	-	-	-	28-17	27-13	05-22	20-02	26-02	-	16-02	08-01	NOV
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.0	-	0.8	0.0	0.0
	DAY-HR	-	-	-	-	24-17	28-20	31-18	26-18	29-04	-	24-00	10-16	DEC
	# OBS	-	-	-	-	388	714	743	744	715	-	371	350	4025
1985	MEAN	-	-	-	6.9	8.4	8.9	7.7	8.2	8.2	-	-	-	8.1
	MAXIMUM	-	-	-	19.1	22.9	25.1	21.4	19.6	19.2	-	-	-	25.1
	DAY-HR	-	-	-	17-02	07-00	11-22	15-11	01-02	11-03	-	-	-	JUN
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0
	DAY-HR	-	-	-	30-07	27-16	08-20	30-01	30-10	19-20	-	-	-	SEP
	# OBS	-	-	-	337	730	717	741	738	499	-	-	-	3762
1986	MEAN	-	-	-	-	-	7.7	6.7	8.6	9.1	10.7	12.1	-	9.5
	MAXIMUM	-	-	-	-	-	21.4	21.4	25.3	25.3	29.2	25.3	-	29.2
	DAY-HR	-	-	-	-	-	13-03	29-00	27-02	16-03	06-02	19-03	-	OCT
	MINIMUM	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	-	-	17-23	31-21	31-18	29-09	30-23	10-21	-	NOV
	# OBS	-	-	-	-	-	368	217	733	716	735	553	-	3322
1987	MEAN	-	-	-	7.7	7.3	8.6	7.5	10.0	8.5	12.5	8.4	-	8.9
	MAXIMUM	-	-	-	29.2	25.3	21.4	23.3	25.3	31.1	31.1	21.4	-	31.1
	DAY-HR	-	-	-	27-20	30-22	20-04	14-08	22-06	30-22	02-09	05-14	-	OCT
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	0.0
	DAY-HR	-	-	-	30-02	31-17	30-00	31-00	30-01	28-21	29-23	02-12	-	OCT
	# OBS	-	-	-	505	743	719	743	743	681	742	112	-	4988
1988	MEAN	-	-	-	11.7	8.0	9.5	7.3	9.1	10.9	14.1	14.5	-	10.3
	MAXIMUM	-	-	-	24.1	26.8	23.3	31.5	35.8	27.4	29.7	30.7	-	35.8
	DAY-HR	-	-	-	27-18	25-03	02-05	11-02	15-06	20-06	24-21	10-13	-	AUG
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-	0.0
	DAY-HR	-	-	-	30-17	28-18	24-15	31-22	31-22	10-22	31-21	15-04	-	OCT
	# OBS	-	-	-	120	740	720	741	737	711	744	498	-	5011
1989	MEAN	-	-	-	-	6.4	7.2	7.3	9.1	10.9	-	-	-	8.1
	MAXIMUM	-	-	-	-	20.0	24.5	22.6	23.1	26.0	-	-	-	26.0
	DAY-HR	-	-	-	-	25-11	03-20	21-00	22-18	01-17	-	-	-	SEP
	MINIMUM	-	-	-	-	0.2	0.0	0.0	0.2	0.2	-	-	-	0.0
	DAY-HR	-	-	-	-	18-10	23-15	25-07	11-16	12-06	-	-	-	JUL
	# OBS	-	-	-	-	463	717	739	739	480	-	-	-	3138
1990	MEAN	-	-	-	-	10.4	9.5	9.4	8.3	11.0	13.2	12.9	16.8	10.9
	MAXIMUM	-	-	-	-	30.9	28.2	25.7	21.4	27.4	32.5	32.9	31.3	32.9
	DAY-HR	-	-	-	-	11-03	03-23	12-19	19-23	07-00	19-02	06-04	04-12	NOV
	MINIMUM	-	-	-	-	0.0	0.2	0.0	0.0	0.4	0.2	0.2	3.9	0.0
	DAY-HR	-	-	-	-	23-17	25-22	02-16	09-00	27-01	31-18	20-21	09-00	AUG
	# OBS	-	-	-	-	603	718	734	742	718	738	718	224	5195
1991	MEAN	-	-	-	10.4	8.4	8.2	7.7	8.8	-	-	-	-	8.7
	MAXIMUM	-	-	-	30.3	23.3	30.5	27.2	26.2	-	-	-	-	30.5
	DAY-HR	-	-	-	15-17	07-01	16-02	08-03	20-03	-	-	-	-	JUN
	MINIMUM	-	-	-	0.4	0.0	0.0	0.2	0.0	-	-	-	-	0.0
	DAY-HR	-	-	-	25-07	22-15	06-18	02-18	02-19	-	-	-	-	AUG
	# OBS	-	-	-	668	733	719	742	462	-	-	-	-	3324

1992	MEAN	-	-	-	-	8.0	7.9	10.3	9.8	11.0	12.0	14.3	-	10.3
	MAXIMUM	-	-	-	-	22.2	30.7	28.6	24.9	26.2	31.9	35.0	-	35.0
	DAY-HR	-	-	-	-	24-00	18-10	31-13	30-10	27-13	17-01	13-02	-	NOV
	MINIMUM	-	-	-	-	0.2	0.0	0.4	0.0	0.4	0.0	0.8	-	0.0
	DAY-HR	-	-	-	-	26-20	27-01	30-00	09-22	20-05	22-03	08-20	-	OCT
	# OBS	-	-	-	-	616	714	735	736	718	740	375	-	4634
1993	MEAN	-	-	-	-	8.9	9.0	9.1	8.0	12.2	12.5	14.0	-	10.3
	MAXIMUM	-	-	-	-	21.2	22.4	23.3	20.2	33.6	30.9	26.6	-	33.6
	DAY-HR	-	-	-	-	25-04	01-07	29-22	21-02	28-02	21-12	05-22	-	SEP
	MINIMUM	-	-	-	-	0.6	0.0	0.2	0.0	0.8	0.4	0.8	-	0.0
	DAY-HR	-	-	-	-	30-02	19-14	16-22	18-00	07-19	14-19	16-10	-	AUG
	# OBS	-	-	-	-	453	716	743	738	716	744	379	-	4489
1994	MEAN	-	-	-	-	8.7	8.4	9.0	9.3	10.7	11.9	13.7	-	10.1
	MAXIMUM	-	-	-	-	25.1	25.9	20.4	23.7	29.0	26.6	32.7	-	32.7
	DAY-HR	-	-	-	-	26-18	25-17	09-03	05-14	28-18	24-21	01-23	-	NOV
	MINIMUM	-	-	-	-	0.0	0.0	0.2	0.0	0.2	0.6	0.0	-	0.0
	DAY-HR	-	-	-	-	21-05	22-17	31-21	07-17	06-10	06-20	09-09	-	NOV
	# OBS	-	-	-	-	550	719	740	739	718	736	520	-	4722
1995	MEAN	-	-	-	10.0	8.9	7.5	9.1	8.2	10.5	14.2	16.1	-	10.4
	MAXIMUM	-	-	-	-	21.2	21.4	22.0	27.2	20.4	24.7	33.2	-	33.2
	DAY-HR	-	-	-	28-04	24-19	27-05	15-23	14-01	22-21	05-22	12-01	-	OCT
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.4	0.0	0.2	0.0	-	0.0
	DAY-HR	-	-	-	29-15	31-18	30-22	27-09	27-10	27-21	11-22	01-01	-	OCT
	# OBS	-	-	-	458	742	715	738	739	716	742	497	-	5347
1996	MEAN	-	-	-	-	9.3	7.6	9.5	7.1	12.9	13.0	13.8	-	10.5
	MAXIMUM	-	-	-	-	21.0	23.5	24.7	20.2	30.3	36.4	27.8	-	36.4
	DAY-HR	-	-	-	-	29-16	25-04	20-01	09-08	12-00	30-14	07-23	-	OCT
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.4	0.6	0.0	-	0.0
	DAY-HR	-	-	-	-	31-10	15-10	13-19	02-20	20-14	26-22	18-23	-	NOV
	# OBS	-	-	-	-	380	713	836	789	716	732	858	-	5024
1997	MEAN	-	-	-	7.4	11.8	7.5	8.9	9.9	10.9	11.5	-	-	9.8
	MAXIMUM	-	-	-	17.5	35.6	25.1	23.7	25.1	28.2	24.7	-	-	35.6
	DAY-HR	-	-	-	18-09	01-13	25-23	07-03	16-14	29-23	27-13	-	-	MAY
	MINIMUM	-	-	-	0.0	1.2	0.0	0.0	0.2	0.2	0.0	-	-	0.0
	DAY-HR	-	-	-	26-20	23-12	22-13	12-14	26-09	22-03	29-22	-	-	OCT
	# OBS	-	-	-	375	254	462	732	734	718	683	-	-	3958
1998	MEAN	-	-	11.4	10.1	7.9	8.8	9.2	8.6	9.7	11.7	13.7	11.1	10.0
	MAXIMUM	-	-	21.0	33.0	20.6	25.7	28.6	24.1	22.2	25.9	36.9	22.9	36.9
	DAY-HR	-	-	26-00	10-01	31-12	26-10	22-05	25-15	02-09	01-07	11-09	01-09	NOV
	MINIMUM	-	-	2.1	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.8	3.7	0.0
	DAY-HR	-	-	29-16	12-18	03-04	18-19	24-18	14-08	13-07	31-00	13-19	04-21	SEP
	# OBS	-	-	119	692	712	691	740	787	713	736	717	144	6051
1999	MEAN	-	-	-	12.9	9.9	8.1	9.1	10.3	10.6	12.9	12.9	-	10.6
	MAXIMUM	-	-	-	21.0	29.4	24.5	23.5	26.8	28.0	31.9	29.7	-	31.9
	DAY-HR	-	-	-	29-00	25-00	14-14	09-13	10-14	30-05	13-21	03-00	-	OCT
	MINIMUM	-	-	-	0.2	0.0	0.2	0.0	0.4	0.0	0.0	0.2	-	0.0
	DAY-HR	-	-	-	30-21	27-08	22-15	30-16	16-19	18-07	18-23	21-15	-	OCT
	# OBS	-	-	-	48	743	720	743	738	715	740	713	-	5160
2000	MEAN	-	-	-	8.5	9.7	9.6	9.0	9.4	12.5	10.7	14.5	11.6	10.6
	MAXIMUM	-	-	-	24.7	26.8	28.2	19.2	21.8	29.4	28.6	32.3	19.1	32.3
	DAY-HR	-	-	-	17-15	19-16	06-03	09-23	27-01	21-01	04-10	20-22	04-13	NOV
	MINIMUM	-	-	-	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.0	0.0
	DAY-HR	-	-	-	23-05	21-04	19-20	20-11	13-20	03-18	15-22	29-19	04-03	DEC
	# OBS	-	-	-	464	736	696	647	681	702	739	718	93	5476
2001	MEAN	-	-	-	8.5	9.2	7.9	9.2	9.4	11.7	14.6	11.8	20.9	10.5
	MAXIMUM	-	-	-	24.5	27.0	22.9	23.1	26.2	26.2	37.9	26.4	24.7	37.9
	DAY-HR	-	-	-	24-14	28-00	01-23	11-04	02-22	24-23	25-23	08-23	01-10	OCT
	MINIMUM	-	-	-	0.2	0.2	0.0	0.0	0.0	0.0	1.2	0.4	17.3	0.0
	DAY-HR	-	-	-	26-18	20-01	27-21	09-18	01-16	09-22	22-02	17-22	01-20	SEP
	# OBS	-	-	-	173	724	718	744	744	715	743	714	22	5297
POR	MEAN	-	-	11.4	9.4	8.7	8.2	8.2	8.5	10.2	12.3	12.9	12.5	9.7
	MAXIMUM	-	-	21.0	33.0	35.6	30.7	31.5	35.8	33.6	37.9	36.9	31.3	37.9
	YEAR	-	-	1998	1998	1997	1992	1988	1988	1993	2001	1998	1990	OCT/2001
	MINIMUM	-	-	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	-	-	1998	1998	1999	2001	2001	2001	2001	1999	1996	2000	SEP/2001
	# OBS	-	-	119	5209	12533	14337	15621	15925	14538	13168	10537	1720	103707

STATION: 45005 -- POR (6/1980 - 12/2001)

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

## ELEMENT: PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	-	8.3	8.7	9.8	12.2	15.5	15.3	12.0	12.3
	MAXIMUM	-	-	-	-	-	23.9	24.9	27.2	29.2	36.7	33.6	36.0	36.7
	DAY-HR	-	-	-	-	-	30-00	12-17	14-09	17-14	26-17	29-03	02-20	OCT
	# OBS	-	-	-	-	-	173	619	632	718	744	720	185	3791
1981	MEAN	-	-	-	15.7	14.7	14.5	10.8	11.9	15.6	17.5	13.4	17.1	14.3
	MAXIMUM	-	-	-	32.3	34.4	22.6	31.5	30.7	37.3	41.4	38.3	33.8	41.4
	DAY-HR	-	-	-	20-10	06-10	17-10	26-15	17-02	28-05	18-19	20-14	01-13	OCT
	# OBS	-	-	-	502	738	488	737	743	714	650	639	287	5498
1982	MEAN	-	-	-	10.6	7.7	11.2	9.4	11.0	11.4	13.1	16.4	10.7	11.4
	MAXIMUM	-	-	-	27.6	27.6	39.1	24.9	29.5	27.6	39.1	39.9	22.0	39.9
	DAY-HR	-	-	-	21-06	22-04	16-00	28-09	25-10	03-01	20-19	12-20	03-12	NOV
	# OBS	-	-	-	432	741	701	722	743	719	743	716	74	5591
1983	MEAN	-	-	-	12.6	11.5	8.0	9.0	8.8	12.1	14.3	14.9	14.8	11.5
	MAXIMUM	-	-	-	32.9	29.7	48.4	28.4	22.9	30.1	30.3	32.9	36.5	48.4
	DAY-HR	-	-	-	17-15	08-13	30-19	04-21	11-04	22-19	14-10	11-22	07-07	JUN
	# OBS	-	-	-	435	744	719	744	744	719	741	718	303	5867
1984	MEAN	-	-	-	-	9.1	6.5	5.9	5.9	6.2	-	16.4	17.3	8.3
	MAXIMUM	-	-	-	-	26.0	17.7	21.6	16.9	16.3	-	44.3	40.6	44.3
	DAY-HR	-	-	-	-	28-17	27-13	05-22	19-00	26-02	-	16-02	08-01	NOV
	# OBS	-	-	-	-	388	714	743	744	715	-	371	350	4025
1985	MEAN	-	-	-	8.6	11.1	12.4	10.8	11.8	11.7	-	-	-	11.3
	MAXIMUM	-	-	-	26.4	33.8	32.9	30.3	25.9	27.4	-	-	-	33.8
	DAY-HR	-	-	-	17-01	07-00	03-08	15-11	01-02	11-03	-	-	-	MAY
	# OBS	-	-	-	337	728	717	739	736	497	-	-	-	3754
1986	MEAN	-	-	-	-	-	9.6	8.6	11.0	11.4	13.6	15.4	-	12.1
	MAXIMUM	-	-	-	-	-	27.2	27.2	35.0	31.1	36.9	33.0	-	36.9
	DAY-HR	-	-	-	-	-	13-01	29-00	26-20	16-03	06-02	09-23	-	OCT
	# OBS	-	-	-	-	-	364	217	732	713	732	553	-	3311
1987	MEAN	-	-	-	9.4	8.8	10.6	9.4	12.6	10.8	15.8	9.7	-	11.1
	MAXIMUM	-	-	-	38.9	35.0	29.2	29.2	35.0	38.9	40.8	25.3	-	40.8
	DAY-HR	-	-	-	27-20	30-22	27-22	14-08	03-00	30-22	02-08	05-15	-	OCT
	# OBS	-	-	-	505	743	719	743	743	681	741	112	-	4987
1988	MEAN	-	-	-	14.1	9.6	11.4	8.9	11.2	13.4	17.7	17.8	-	12.6
	MAXIMUM	-	-	-	31.1	31.9	28.8	37.7	45.3	34.2	36.9	42.4	-	45.3
	DAY-HR	-	-	-	27-18	25-03	02-05	11-02	06-00	20-06	10-16	16-19	-	AUG
	# OBS	-	-	-	120	740	720	740	735	710	744	498	-	5007
1989	MEAN	-	-	-	-	7.7	8.8	9.0	11.5	13.7	-	-	-	10.1
	MAXIMUM	-	-	-	-	30.5	42.6	27.2	29.4	32.7	-	-	-	42.6
	DAY-HR	-	-	-	-	25-11	03-20	21-00	22-18	01-17	-	-	-	JUN
	# OBS	-	-	-	-	463	717	736	739	480	-	-	-	3135
1990	MEAN	-	-	-	-	12.5	11.5	11.4	10.2	13.7	16.3	15.8	20.7	13.4
	MAXIMUM	-	-	-	-	46.5	40.0	31.1	28.2	36.9	39.3	43.0	42.8	46.5
	DAY-HR	-	-	-	-	17-20	03-06	12-19	29-00	11-01	19-02	06-02	04-11	MAY
	# OBS	-	-	-	-	600	718	731	740	718	738	718	224	5187
1991	MEAN	-	-	-	12.6	10.3	10.1	10.0	11.2	-	-	-	-	10.8
	MAXIMUM	-	-	-	41.0	30.1	38.9	29.4	33.8	-	-	-	-	41.0
	DAY-HR	-	-	-	15-17	07-01	16-02	04-14	20-03	-	-	-	-	APR
	# OBS	-	-	-	668	729	717	739	460	-	-	-	-	3313
1992	MEAN	-	-	-	-	9.6	9.8	12.8	12.2	14.0	15.7	18.3	-	12.9
	MAXIMUM	-	-	-	-	27.2	39.7	37.1	33.2	34.2	38.9	43.7	-	43.7
	DAY-HR	-	-	-	-	24-00	18-10	31-13	30-10	27-11	16-23	13-02	-	NOV
	# OBS	-	-	-	-	616	714	734	736	717	740	372	-	4629
1993	MEAN	-	-	-	-	10.8	10.8	11.1	9.8	15.4	15.6	17.2	-	12.8
	MAXIMUM	-	-	-	-	26.8	31.7	30.9	26.4	42.6	38.7	32.7	-	42.6
	DAY-HR	-	-	-	-	25-04	09-10	28-22	24-08	28-02	21-12	06-00	-	SEP
	# OBS	-	-	-	-	453	714	742	737	715	744	379	-	4484
1994	MEAN	-	-	-	-	10.3	10.1	10.9	11.5	13.3	14.6	16.8	-	12.4
	MAXIMUM	-	-	-	-	31.3	32.1	31.5	28.4	35.2	34.2	42.4	-	42.4
	DAY-HR	-	-	-	-	26-18	24-18	22-19	05-14	28-23	24-21	21-22	-	NOV
	# OBS	-	-	-	-	549	719	738	739	718	735	520	-	4718
1995	MEAN	-	-	-	11.9	10.7	9.1	11.2	10.2	13.4	17.5	20.1	-	12.8
	MAXIMUM	-	-	-	27.4	26.8	32.9	36.4	29.5	32.7	41.2	41.6	-	41.6
	DAY-HR	-	-	-	12-00	10-18	28-22	15-23	14-01	22-20	05-22	11-21	-	NOV
	# OBS	-	-	-	458	742	715	738	739	716	742	497	-	5347



1996	MEAN	-	-	-	-	11.0	9.0	11.6	8.7	15.7	15.9	17.3	-	12.9
	MAXIMUM	-	-	-	-	25.1	28.2	29.2	23.5	43.0	45.9	35.0	-	45.9
	DAY-HR	-	-	-	-	29-17	25-04	20-01	09-09	22-22	30-14	07-23	-	OCT
	# OBS	-	-	-	-	379	712	836	789	716	732	858	-	5022
1997	MEAN	-	-	-	8.7	14.0	8.8	10.7	12.0	13.4	14.5	-	-	11.9
	MAXIMUM	-	-	-	20.4	44.3	31.3	30.5	37.5	38.3	30.5	-	-	44.3
	DAY-HR	-	-	-	28-12	01-13	25-23	07-03	16-14	29-23	22-01	-	-	MAY
	# OBS	-	-	-	374	245	461	732	734	718	683	-	-	3947
1998	MEAN	-	-	13.2	12.0	9.3	10.7	11.1	10.4	11.9	14.6	16.8	12.9	12.1
	MAXIMUM	-	-	28.6	41.4	24.3	31.1	37.7	30.5	28.6	33.2	47.0	28.2	47.0
	DAY-HR	-	-	26-03	10-00	31-12	26-10	22-03	25-15	23-01	18-14	11-10	01-09	NOV
	# OBS	-	-	119	692	712	691	740	787	712	736	717	144	6050
1999	MEAN	-	-	-	15.5	11.7	9.8	10.9	12.7	12.9	15.8	15.6	-	12.8
	MAXIMUM	-	-	-	24.9	35.4	28.8	28.8	31.7	34.0	39.9	37.9	-	39.9
	DAY-HR	-	-	-	29-00	25-00	03-02	09-13	10-14	30-05	13-21	03-00	-	OCT
	# OBS	-	-	-	48	743	720	743	738	715	740	713	-	5160
2000	MEAN	-	-	-	10.1	11.5	11.5	11.0	11.5	15.3	13.0	17.8	14.4	12.9
	MAXIMUM	-	-	-	30.3	32.7	32.9	24.3	28.4	37.9	35.4	39.1	23.7	39.1
	DAY-HR	-	-	-	17-17	19-15	06-03	14-18	27-01	21-01	04-10	20-23	02-18	NOV
	# OBS	-	-	-	464	736	696	647	681	699	738	717	93	5471
2001	MEAN	-	-	-	10.1	11.0	9.4	11.2	11.4	14.5	17.8	14.1	25.9	12.8
	MAXIMUM	-	-	-	31.3	34.4	27.4	27.4	35.6	31.9	47.6	33.0	30.7	47.6
	DAY-HR	-	-	-	24-14	28-00	01-22	11-05	16-21	26-09	25-23	08-23	01-10	OCT
	# OBS	-	-	-	173	724	717	744	744	714	743	714	22	5295
POR	MEAN	-	-	13.2	11.5	10.6	10.1	10.3	10.8	13.0	15.5	16.2	16.0	12.2
	MAXIMUM	-	-	28.6	41.4	46.5	48.4	37.7	45.3	43.0	47.6	47.0	42.8	48.4
	YEAR	-	-	1998	1998	1990	1983	1998	1988	1996	2001	1998	1990	JUN/1983
	# OBS	-	-	119	5208	12513	14326	15604	15915	14524	13166	10532	1682	103589

STATION: 45005 -- POR (5/1996 - 12/2001)

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

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1996	MEAN	-	-	-	-	12.3	10.3	13.2	9.9	17.1	17.4	19.1	-	14.4
	MAXIMUM	-	-	-	-	29.0	29.9	36.0	29.9	43.0	50.0	35.8	-	50.0
	DAY-HR	-	-	-	-	29-13	25-03	24-23	20-23	22-21	30-13	07-23	-	OCT
	MINIMUM	-	-	-	-	0.4	0.8	1.0	1.9	1.7	1.6	4.7	-	0.4
	DAY-HR	-	-	-	-	31-08	15-04	05-03	29-03	23-23	26-21	05-19	-	MAY
# OBS	-	-	-	-	376	712	813	788	716	732	854	-	4991	
1997	MEAN	-	-	-	10.2	16.0	10.3	11.9	13.3	14.7	15.9	-	-	13.3
	MAXIMUM	-	-	-	22.7	46.9	38.3	35.8	44.9	38.1	35.4	-	-	46.9
	DAY-HR	-	-	-	18-09	01-13	22-01	21-16	16-22	29-22	21-20	-	-	MAY
	MINIMUM	-	-	-	0.8	0.0	1.0	1.4	1.2	2.1	0.0	-	-	0.0
	DAY-HR	-	-	-	26-18	11-07	11-19	05-13	26-08	15-21	29-21	-	-	OCT
# OBS	-	-	-	351	243	462	732	734	718	682	-	-	3922	
1998	MEAN	-	-	14.8	13.5	10.5	12.3	12.5	11.8	13.3	15.9	18.4	14.2	13.6
	MAXIMUM	-	-	37.1	42.8	26.4	41.4	40.0	35.6	30.5	34.2	50.7	29.7	50.7
	DAY-HR	-	-	28-18	09-23	31-11	26-12	21-11	24-11	27-15	18-13	11-08	01-01	NOV
	MINIMUM	-	-	3.7	1.6	1.2	1.9	2.1	1.2	1.6	2.3	2.9	5.2	1.2
	DAY-HR	-	-	29-16	11-10	27-17	18-18	25-19	28-22	19-21	31-00	13-16	04-19	AUG
# OBS	-	-	120	692	711	691	738	787	713	736	741	143	6072	
1999	MEAN	-	-	-	16.5	13.1	11.1	12.4	14.1	14.2	17.3	17.0	-	14.2
	MAXIMUM	-	-	-	26.6	36.4	30.3	43.5	31.7	36.5	50.9	39.1	-	50.9
	DAY-HR	-	-	-	28-23	25-19	14-13	09-21	10-13	30-03	13-20	03-00	-	OCT
	MINIMUM	-	-	-	2.3	1.6	1.9	1.4	1.9	1.7	1.2	2.3	-	1.2
	DAY-HR	-	-	-	30-21	23-18	26-05	28-11	12-19	19-18	09-15	21-15	-	OCT
# OBS	-	-	-	49	743	720	743	738	715	740	713	-	5161	
2000	MEAN	-	-	7.8	11.4	13.0	13.0	12.3	12.9	16.9	14.2	19.3	15.9	14.2
	MAXIMUM	-	-	7.8	34.0	35.2	37.3	36.5	32.7	42.2	46.9	42.2	24.1	46.9
	DAY-HR	-	-	31-23	21-00	19-14	14-19	14-21	02-00	20-21	04-07	17-00	02-02	OCT
	MINIMUM	-	-	7.8	1.4	1.4	2.3	1.7	2.3	1.6	1.4	2.1	2.3	1.4
	DAY-HR	-	-	31-23	02-15	21-06	19-20	10-17	14-01	03-23	24-02	29-20	04-02	OCT
# OBS	-	-	1	712	735	695	641	681	701	737	717	92	5712	
2001	MEAN	-	-	-	11.3	12.5	10.7	12.5	12.8	16.1	19.5	15.6	27.8	14.2
	MAXIMUM	-	-	-	32.1	35.0	31.5	31.3	35.6	38.7	48.6	36.7	34.0	48.6
	DAY-HR	-	-	-	24-06	28-00	15-23	11-03	16-20	26-16	25-23	25-03	01-09	OCT

	MINIMUM	-	-	-	1.7	1.6	1.4	1.7	1.4	2.1	2.1	1.4	24.9	1.4
	DAY-HR	-	-	-	26-18	20-01	25-15	09-18	01-15	06-16	22-01	12-22	01-10	NOV
	# OBS	-	-	-	173	724	718	744	744	712	743	714	20	5292
POR	MEAN	-	-	14.7	12.0	12.5	11.3	12.5	12.4	15.4	16.7	17.9	15.9	14.0
	MAXIMUM	-	-	37.1	42.8	46.9	41.4	43.5	44.9	43.0	50.9	50.7	34.0	50.9
	YEAR	-	-	1998	1998	1997	1998	1999	1997	1996	1999	1998	2001	OCT/1999
	MINIMUM	-	-	3.7	0.8	0.0	0.8	1.0	1.2	1.6	0.0	1.4	2.3	0.0
	YEAR	-	-	1998	1997	1997	1996	1996	1998	2000	1997	2001	2000	OCT/1997
	# OBS	-	-	121	1977	3532	3998	4411	4472	4275	4370	3739	255	31150

STATION: 45005 -- POR (6/1980 - 12/2001)

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	-	-	0.4	0.4	0.4	0.6	0.8	0.8	0.7	0.6
	MAXIMUM	-	-	-	-	-	1.4	1.1	1.3	1.7	2.0	2.0	2.2	2.2
	DAY-HR	-	-	-	-	-	30-02	31-15	17-22	17-16	26-13	27-19	02-21	DEC
	# OBS	-	-	-	-	-	171	616	632	716	743	714	185	3777
1981	MEAN	-	-	-	0.7	0.5	0.5	0.5	0.5	0.7	0.9	0.7	0.9	0.7
	MAXIMUM	-	-	-	2.4	2.5	1.7	1.5	2.0	2.3	2.5	2.3	2.1	2.5
	DAY-HR	-	-	-	12-23	06-11	22-15	29-14	17-04	22-05	18-19	20-16	01-13	OCT
	# OBS	-	-	-	502	730	622	741	743	710	716	720	323	5807
1982	MEAN	-	-	-	0.6	0.4	0.7	0.5	0.6	0.6	0.7	0.9	-	0.6
	MAXIMUM	-	-	-	1.7	1.9	2.1	1.5	1.7	2.0	2.5	2.4	-	2.5
	DAY-HR	-	-	-	28-04	22-03	03-09	28-02	25-12	07-11	20-22	12-21	-	OCT
	# OBS	-	-	-	432	742	625	737	740	719	741	497	-	5233
1983	MEAN	-	-	-	0.8	0.7	0.4	0.5	0.5	0.7	1.0	1.0	1.0	0.7
	MAXIMUM	-	-	-	2.3	2.6	2.7	1.8	2.0	1.8	2.2	2.8	2.3	2.8
	DAY-HR	-	-	-	24-23	08-13	28-19	06-05	12-08	22-22	20-05	28-05	11-16	NOV
	# OBS	-	-	-	435	744	719	744	743	717	739	705	301	5847
1984	MEAN	-	-	-	-	0.5	0.4	0.3	0.4	0.5	0.5	0.7	0.8	0.5
	MAXIMUM	-	-	-	-	3.1	1.4	1.8	1.8	1.7	1.8	2.0	2.5	3.1
	DAY-HR	-	-	-	-	29-00	23-03	27-06	20-04	26-06	31-14	11-16	14-11	MAY
	# OBS	-	-	-	-	373	669	724	732	706	722	701	338	4965
1985	MEAN	-	-	-	0.3	0.5	0.5	0.4	0.5	0.5	-	-	-	0.4
	MAXIMUM	-	-	-	1.5	2.3	2.3	1.5	1.9	1.6	-	-	-	2.3
	DAY-HR	-	-	-	17-03	17-19	12-00	23-07	01-10	13-08	-	-	-	JUN
	# OBS	-	-	-	333	704	695	702	713	360	-	-	-	3507
1986	MEAN	-	-	-	-	-	0.4	0.3	0.4	0.4	-	-	-	0.4
	MAXIMUM	-	-	-	-	-	1.5	1.1	1.6	2.0	-	-	-	2.0
	DAY-HR	-	-	-	-	-	30-05	12-01	27-04	16-04	-	-	-	SEP
	# OBS	-	-	-	-	-	668	692	731	711	-	-	-	2802
1987	MEAN	-	-	-	0.4	0.3	0.4	0.3	0.6	0.4	0.6	0.5	-	0.4
	MAXIMUM	-	-	-	2.0	1.8	1.2	1.5	1.6	2.0	2.4	1.3	-	2.4
	DAY-HR	-	-	-	23-03	19-10	28-02	14-11	28-23	30-22	02-08	05-15	-	OCT
	# OBS	-	-	-	498	742	714	741	738	671	737	112	-	4953
1988	MEAN	-	-	-	0.6	0.4	0.5	0.3	0.4	0.5	0.7	0.8	-	0.5
	MAXIMUM	-	-	-	1.5	1.9	1.8	1.2	1.5	2.0	2.2	1.9	-	2.2
	DAY-HR	-	-	-	27-19	25-05	09-04	21-02	15-07	29-02	24-23	17-08	-	OCT
	# OBS	-	-	-	119	729	697	727	703	696	723	488	-	4882
1989	MEAN	-	-	-	-	0.1	0.2	0.3	0.4	0.6	0.5	-	-	0.4
	MAXIMUM	-	-	-	-	0.2	1.9	2.2	1.6	2.3	1.5	-	-	2.3
	DAY-HR	-	-	-	-	31-23	29-05	21-01	07-02	23-07	07-04	-	-	SEP
	# OBS	-	-	-	-	13	698	719	725	705	336	-	-	3196
1990	MEAN	-	-	-	-	0.5	0.4	0.5	0.4	0.5	0.7	0.7	1.0	0.5
	MAXIMUM	-	-	-	-	2.4	2.0	2.6	2.2	1.7	2.6	2.5	3.0	3.0
	DAY-HR	-	-	-	-	10-21	04-00	12-19	19-23	16-19	19-01	06-05	03-11	DEC
	# OBS	-	-	-	-	586	705	716	717	707	736	716	222	5105
1991	MEAN	-	-	-	0.6	0.4	0.4	0.3	0.4	-	-	-	-	0.4
	MAXIMUM	-	-	-	2.5	2.3	2.4	1.3	1.7	-	-	-	-	2.5
	DAY-HR	-	-	-	15-18	18-18	23-11	02-03	20-05	-	-	-	-	APR
	# OBS	-	-	-	656	715	709	728	448	-	-	-	-	3256
1992	MEAN	-	-	-	-	0.3	0.3	0.5	0.4	0.5	0.6	0.8	-	0.5
	MAXIMUM	-	-	-	-	1.6	2.0	2.3	1.8	1.5	2.5	2.7	-	2.7

	DAY-HR	-	-	-	-	24-13	15-21	31-03	15-15	27-14	17-02	13-02	-	NOV
	# OBS	-	-	-	-	617	714	719	725	711	732	357	-	4575
1993	MEAN	-	-	-	-	0.4	0.3	0.3	0.3	0.6	0.6	0.6	-	0.4
	MAXIMUM	-	-	-	-	1.3	1.2	1.5	1.5	2.5	2.2	2.1	-	2.5
	DAY-HR	-	-	-	-	13-00	05-20	01-06	30-03	28-02	21-13	01-02	-	SEP
	# OBS	-	-	-	-	449	705	732	723	701	721	376	-	4407
1994	MEAN	-	-	-	-	0.4	0.3	0.3	0.4	0.5	0.5	0.7	-	0.4
	MAXIMUM	-	-	-	-	1.8	1.8	1.0	1.9	1.5	1.6	2.1	-	2.1
	DAY-HR	-	-	-	-	27-01	25-17	09-12	05-14	29-01	15-03	21-22	-	NOV
	# OBS	-	-	-	-	541	713	718	734	708	727	510	-	4651
1995	MEAN	-	-	-	0.4	0.3	0.2	0.3	0.4	0.5	0.7	0.8	-	0.4
	MAXIMUM	-	-	-	1.2	1.5	1.3	1.5	1.3	1.8	3.7	2.6	-	3.7
	DAY-HR	-	-	-	28-05	28-01	21-21	16-00	28-03	08-11	05-23	11-23	-	OCT
	# OBS	-	-	-	457	742	715	739	737	715	742	495	-	5342
1996	MEAN	-	-	-	-	0.0	-	-	-	-	-	-	-	0.0
	MAXIMUM	-	-	-	-	0.0	-	-	-	-	-	-	-	0.0
	DAY-HR	-	-	-	-	22-23	-	-	-	-	-	-	-	MAY
	# OBS	-	-	-	-	160	-	-	-	-	-	-	-	160
1997	MEAN	-	-	-	0.1	0.5	0.2	0.3	0.4	0.5	0.6	-	-	0.4
	MAXIMUM	-	-	-	0.9	2.9	1.0	1.3	1.3	1.6	2.2	-	-	2.9
	DAY-HR	-	-	-	28-12	01-14	17-13	23-00	22-18	30-11	26-20	-	-	MAY
	# OBS	-	-	-	121	235	447	717	723	702	677	-	-	3622
1998	MEAN	-	-	0.3	0.5	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.4	0.4
	MAXIMUM	-	-	1.4	3.9	1.4	1.4	1.6	1.4	1.4	1.8	3.0	1.5	3.9
	DAY-HR	-	-	28-18	10-01	08-20	26-10	22-14	19-04	23-06	04-13	11-11	01-00	APR
	# OBS	-	-	119	684	700	678	720	787	703	736	717	144	5988
1999	MEAN	-	-	-	0.8	0.4	0.2	0.3	0.5	0.4	0.6	0.6	-	0.4
	MAXIMUM	-	-	-	1.8	2.1	1.3	1.2	1.8	1.8	2.1	2.2	-	2.2
	DAY-HR	-	-	-	29-00	13-16	29-13	09-14	30-15	30-04	13-21	11-14	-	NOV
	# OBS	-	-	-	48	743	720	743	739	715	740	659	-	5107
2000	MEAN	-	-	-	0.4	0.4	0.4	0.3	0.4	0.6	0.5	0.7	0.6	0.5
	MAXIMUM	-	-	-	2.5	2.7	2.6	1.2	1.1	2.0	2.0	2.6	1.2	2.7
	DAY-HR	-	-	-	17-18	19-17	05-23	07-12	12-09	05-11	05-21	20-23	02-18	MAY
	# OBS	-	-	-	464	736	696	644	681	701	738	717	93	5470
2001	MEAN	-	-	-	0.3	0.3	0.2	0.4	0.3	0.6	0.7	0.5	1.2	0.4
	MAXIMUM	-	-	-	1.4	1.6	1.2	1.6	1.4	1.9	2.7	1.5	1.7	2.7
	DAY-HR	-	-	-	24-15	27-23	02-00	26-21	17-04	25-03	26-00	11-07	01-10	OCT
	# OBS	-	-	-	173	724	717	744	742	710	741	714	22	5287
POR	MEAN	-	-	0.3	0.5	0.4	0.4	0.4	0.4	0.5	0.7	0.7	0.8	0.5
	MAXIMUM	-	-	1.4	3.9	3.1	2.7	2.6	2.2	2.5	3.7	3.0	3.0	3.9
	YEAR	-	-	1998	1998	1984	1983	1990	1990	1993	1995	1998	1990	APR/1998
	# OBS	-	-	119	4922	11725	13797	15063	14956	13784	12747	9198	1628	97939

STATION: 45005

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

Month: MAR

WIND SPEED	WIND DIRECTION													TOT %	TOT N
	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1 - 3	-	-	-	-	1.7	-	-	0.8	0.8	0.8	-	-	-	4.2	5
4 - 6	-	-	-	1.7	-	-	-	2.5	-	-	-	-	-	4.2	5
7 - 10	-	-	-	0.8	2.5	1.7	5.0	9.2	11.8	0.8	0.8	-	-	32.8	39
11 - 15	-	-	-	-	0.8	-	-	24.4	21.0	0.8	-	-	-	47.1	56
16 - 20	-	-	-	-	-	-	-	6.7	2.5	0.8	-	-	-	10.1	12
21 - 24	-	-	-	-	-	-	-	0.8	0.8	-	-	-	-	1.7	2
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	0.0	0.0	2.5	5.0	1.7	5.0	42.0	39.5	3.4	0.8	0.0	0.0	100.0	
TOTAL N	0	0	0	3	6	2	6	50	47	4	1	0	0		119

(\* < 0.05%)

STATION: 45005

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

Month: APR

WIND SPEED	WIND DIRECTION													TOT %	TOT N
	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	1.0	0.1	0.1	*	*	*	-	0.1	*	*	0.1	*	0.1	1.5	79

1 - 3	0.6	0.8	0.9	1.0	0.9	1.0	1.2	0.9	0.5	0.3	0.3	0.4	8.8	456
4 - 6	1.3	1.6	2.5	3.2	2.9	2.2	3.0	2.8	1.7	1.2	0.6	0.5	23.5	1223
7 - 10	1.7	2.6	4.1	4.1	2.4	1.7	2.6	3.7	2.6	2.2	1.1	1.3	30.0	1563
11 - 15	1.8	2.6	3.6	2.4	0.7	1.0	0.8	1.8	2.5	1.6	1.8	2.2	22.8	1186
16 - 20	1.2	1.8	2.2	0.7	0.1	0.2	0.2	0.5	1.2	1.0	0.7	0.9	10.6	554
21 - 24	0.2	0.4	0.7	0.1	-	-	-	0.1	0.2	0.4	0.2	0.1	2.2	117
25 - 33	*	*	0.3	-	-	-	-	-	0.1	0.1	-	*	0.6	31
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.0	6.9	9.8	14.4	11.4	7.0	6.1	7.9	9.7	8.9	6.7	4.7	5.5	100.0
TOTAL N	50	362	512	749	593	364	319	410	505	464	349	247	285	5209

(\* < 0.05%)

STATION: 45005

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

Month: MAY

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.7	0.1	*	0.1	0.1	*	0.1	0.1	*	*	0.1	-	*	1.3	166
1 - 3	0.6	0.8	1.0	1.1	1.3	1.2	1.2	1.2	1.3	0.9	0.5	0.6	11.6	1460	
4 - 6	0.8	1.5	2.0	2.4	2.8	3.1	3.1	3.5	2.4	1.6	0.8	0.7	24.5	3076	
7 - 10	1.4	1.9	3.4	4.4	2.7	2.4	4.2	5.3	2.9	1.8	1.2	0.9	32.6	4083	
11 - 15	1.6	2.9	3.6	2.2	0.6	0.7	1.4	2.4	1.4	1.2	1.0	0.5	19.5	2446	
16 - 20	1.1	0.8	2.3	0.5	0.1	0.1	0.2	0.6	0.7	0.8	0.6	0.4	8.3	1035	
21 - 24	0.3	0.1	0.3	*	-	*	-	0.1	0.2	0.3	0.2	0.1	1.5	193	
25 - 33	0.1	*	*	-	-	-	*	*	0.1	0.2	0.1	-	0.6	73	
34 - 47	-	-	-	-	-	-	-	-	*	-	-	-	0.0	1	
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.7	6.0	8.1	12.8	10.7	7.5	7.6	10.2	13.0	8.9	6.9	4.3	3.1	100.0	
TOTAL N	90	758	1019	1599	1341	944	956	1281	1634	1121	859	542	389	12533	

(\* < 0.05%)

STATION: 45005

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

Month: JUN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.7	*	0.1	*	0.1	0.1	*	0.1	0.1	0.1	*	*	*	1.4	196
1 - 3	0.7	0.9	0.8	1.3	1.3	1.5	1.5	1.3	1.0	0.8	0.5	0.6	12.2	1746	
4 - 6	0.8	1.7	2.4	3.4	2.8	3.1	3.6	3.8	2.6	1.7	0.8	0.7	27.4	3926	
7 - 10	1.3	2.5	3.8	3.6	2.5	1.8	3.3	4.9	3.7	2.8	1.2	0.8	32.3	4630	
11 - 15	1.5	1.5	2.6	1.8	0.5	0.7	1.7	2.9	2.4	1.7	1.4	0.8	19.6	2806	
16 - 20	0.8	0.7	1.0	0.3	0.1	0.1	0.3	0.7	0.7	0.5	0.6	0.2	6.0	865	
21 - 24	0.1	0.1	0.2	*	-	*	*	0.1	0.2	0.1	0.1	*	1.0	140	
25 - 33	*	*	*	-	-	*	-	-	0.1	*	*	-	0.2	28	
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.7	5.2	7.5	11.0	10.5	7.3	7.3	10.5	13.8	10.7	7.8	4.7	3.1	100.0	
TOTAL N	97	747	1081	1572	1507	1040	1040	1507	1975	1541	1113	679	438	14337	

(\* < 0.05%)

STATION: 45005

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	1.1	0.1	0.1	0.1	*	*	0.1	0.1	0.1	0.1	*	*	*	1.8	284
1 - 3	0.6	0.9	1.0	1.3	1.3	1.2	1.6	1.6	1.4	1.0	0.6	0.5	13.1	2053	
4 - 6	0.7	1.4	2.1	2.1	1.9	2.2	2.9	3.6	3.1	1.9	1.0	0.7	23.8	3718	
7 - 10	1.4	2.3	3.3	2.9	2.3	2.2	3.7	5.5	4.6	2.8	1.5	1.1	33.7	5269	
11 - 15	1.6	1.7	2.3	1.8	0.6	0.6	1.7	3.5	3.2	1.6	1.2	0.7	20.5	3210	
16 - 20	0.7	0.6	0.7	0.3	0.1	0.1	0.2	0.9	0.9	0.6	0.5	0.4	6.2	964	
21 - 24	0.2	*	0.2	*	-	-	*	*	0.1	0.1	*	*	0.7	104	
25 - 33	*	-	*	*	-	-	*	*	*	*	*	-	0.1	19	
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	1.1	5.3	7.1	9.7	8.6	6.2	6.6	10.3	15.2	13.5	8.1	4.9	3.4	100.0	
TOTAL N	176	828	1107	1509	1345	975	1024	1606	2379	2108	1266	764	534	15621	

(\* < 0.05%)

STATION: 45005

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	1.1	0.1	*	*	0.1	0.1	0.1	0.1	0.1	*	0.1	*	*	1.9	295
1 - 3		0.7	1.0	1.1	1.3	1.0	1.3	1.2	1.4	1.1	0.9	0.5	0.6	12.2	1949
4 - 6		1.4	2.0	1.8	2.0	1.7	2.3	2.5	2.6	2.5	1.7	1.0	0.8	22.3	3555
7 - 10		2.1	2.8	3.4	3.2	1.9	2.1	3.1	4.6	4.1	2.6	1.6	1.2	32.7	5214
11 - 15		2.2	2.1	2.1	1.8	1.0	0.8	1.7	3.3	3.2	1.8	1.4	1.1	22.5	3590
16 - 20		1.1	0.7	0.7	0.3	0.1	0.2	0.4	1.2	0.9	0.7	0.6	0.4	7.4	1180
21 - 24		0.1	0.1	0.1	*	*	-	*	0.2	0.1	0.1	0.1	*	0.8	131
25 - 33		-	*	-	-	-	-	*	*	*	*	-	-	0.1	10
34 - 47		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.1	7.8	8.9	9.2	8.6	5.7	6.8	9.2	13.3	12.0	7.9	5.2	4.2	100.0	
TOTAL N	172	1245	1412	1465	1373	915	1082	1470	2121	1910	1264	835	661		15925

(\* < 0.05%)

STATION: 45005

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	0.6	*	*	*	*	*	*	*	*	0.1	*	*	*	1.0	139
1 - 3		0.7	0.7	0.8	0.9	0.8	0.9	1.1	1.1	0.7	0.6	0.4	0.5	9.0	1308
4 - 6		1.0	1.4	1.6	1.3	1.6	1.7	1.8	2.2	1.5	1.1	0.9	0.7	16.8	2444
7 - 10		2.0	2.0	2.6	2.4	2.0	2.6	3.8	4.3	2.8	2.1	1.5	1.6	29.7	4321
11 - 15		2.0	1.9	2.2	1.6	0.9	1.3	3.0	4.5	3.3	1.9	1.9	1.7	26.2	3811
16 - 20		1.4	1.3	0.8	0.5	0.2	0.3	1.0	2.0	1.7	1.3	1.4	1.2	13.1	1903
21 - 24		0.2	0.3	0.1	*	*	0.1	0.1	0.5	0.7	0.6	0.5	0.4	3.5	508
25 - 33		*	*	-	*	-	-	-	0.1	0.2	0.2	0.1	0.1	0.7	103
34 - 47		-	-	-	-	-	-	-	-	-	*	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.6	7.3	7.6	8.0	6.7	5.5	6.9	10.9	14.8	11.0	7.8	6.7	6.2	100.0	
TOTAL N	80	1064	1104	1167	974	798	1008	1587	2147	1594	1135	973	907		14538

(\* < 0.05%)

STATION: 45005

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	0.5	*	*	-	*	*	*	*	*	*	*	*	*	0.8	108
1 - 3		0.3	0.4	0.3	0.3	0.4	0.4	0.6	0.4	0.4	0.5	0.3	0.4	4.6	612
4 - 6		0.5	0.5	0.7	1.0	1.1	1.3	1.4	1.3	1.3	0.8	0.8	0.9	11.5	1515
7 - 10		1.6	1.3	1.5	1.9	1.6	2.2	3.2	3.5	2.4	2.0	1.3	1.7	24.2	3189
11 - 15		2.1	1.6	1.6	2.1	1.4	2.0	3.9	4.8	3.5	2.7	2.5	1.9	30.2	3978
16 - 20		1.4	0.8	0.8	0.8	0.3	0.7	1.4	3.3	3.4	2.4	2.5	1.4	19.3	2539
21 - 24		0.3	0.1	0.3	0.1	*	0.2	0.6	0.9	1.6	1.1	0.9	0.5	6.6	868
25 - 33		*	0.1	0.1	*	*	*	0.2	0.4	0.9	0.5	0.4	0.1	2.6	341
34 - 47		-	-	-	-	-	-	*	*	0.1	*	*	-	0.1	18
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	6.4	4.8	5.3	6.2	4.9	6.8	11.2	14.6	13.6	10.1	8.8	6.9	100.0	
TOTAL N	70	839	634	692	817	640	897	1473	1923	1792	1325	1159	907		13168

(\* < 0.05%)

STATION: 45005

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	0.5	*	-	0.1	*	-	*	*	*	*	-	-	*	0.7	76
1 - 3		0.3	0.2	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	4.1	430
4 - 6		0.2	0.2	0.5	0.8	1.2	1.4	1.3	1.4	0.9	0.8	0.6	0.4	9.9	1038
7 - 10		0.9	0.7	0.8	1.2	1.8	2.3	3.3	3.3	2.9	1.9	1.5	1.4	22.0	2317
11 - 15		1.4	0.7	0.9	1.4	1.7	2.1	3.9	5.5	4.9	3.0	2.3	2.6	30.3	3193
16 - 20		0.7	0.6	0.6	0.6	0.4	1.1	1.8	3.7	5.2	3.1	3.1	1.6	22.5	2374
21 - 24		0.1	0.1	*	0.2	*	0.2	0.3	1.1	2.4	1.5	1.0	0.5	7.5	794
25 - 33		*	*	-	*	-	*	0.1	0.4	1.1	0.6	0.5	0.2	2.9	305
34 - 47		-	-	-	-	-	-	-	*	0.1	*	-	-	0.1	9
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	3.6	2.6	3.3	4.6	5.5	7.4	11.1	15.9	17.8	11.2	9.3	7.0	100.0	
TOTAL N	54	384	279	351	480	583	783	1169	1673	1878	1185	978	739		10536

(\* < 0.05%)

STATION: 45005

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

Month: DEC

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.3	-	0.1	-	-	0.1	-	-	0.1	-	-	-	-	-	0.6	10
1 - 3		0.1	0.6	0.2	0.2	0.2	0.3	0.5	0.3	0.2	0.2	0.1	0.4	3.4	58	
4 - 6		0.5	0.4	0.3	0.4	0.5	1.3	3.0	2.3	0.9	0.6	0.9	1.1	12.2	210	
7 - 10		0.9	0.9	0.6	1.6	2.2	2.8	4.7	4.7	2.4	2.3	2.1	1.5	26.6	458	
11 - 15		1.3	1.9	0.8	2.0	0.4	1.5	3.4	6.5	4.8	4.0	1.0	0.7	28.3	487	
16 - 20		0.5	0.6	0.6	0.8	0.1	0.4	0.2	3.5	3.9	4.0	0.8	1.2	16.6	286	
21 - 24		0.1	-	0.1	0.2	0.5	0.2	0.1	1.7	2.6	1.1	1.5	1.3	9.3	160	
25 - 33		-	-	0.1	0.3	0.1	0.1	-	0.2	0.8	0.6	0.7	0.2	3.0	51	
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.3	3.3	4.4	2.7	5.6	4.0	6.7	11.8	19.2	15.6	12.8	7.0	6.4	100.0		
TOTAL N	6	57	76	47	97	68	115	203	331	268	221	121	110		1720	

(\* < 0.05%)

STATION: 45005

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

All Months: Annual

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	0.1	*	*	0.1	*	*	0.1	0.1	*	*	*	*	1.3	1353
1 - 3		0.6	0.7	0.8	1.0	0.9	1.0	1.1	1.1	0.9	0.7	0.5	0.5	9.7	10077
4 - 6		0.8	1.3	1.7	1.9	1.9	2.2	2.5	2.7	2.1	1.4	0.8	0.7	20.0	20710
7 - 10		1.6	2.0	2.8	2.9	2.1	2.2	3.5	4.5	3.4	2.3	1.4	1.2	30.0	31083
11 - 15		1.8	1.9	2.3	1.8	0.9	1.1	2.4	3.7	3.1	2.0	1.7	1.3	23.9	24763
16 - 20		1.0	0.8	1.0	0.5	0.2	0.3	0.7	1.7	1.8	1.3	1.2	0.8	11.3	11712
21 - 24		0.2	0.1	0.2	*	*	0.1	0.1	0.4	0.7	0.5	0.4	0.2	2.9	3017
25 - 33		*	*	*	*	*	*	*	0.1	0.3	0.2	0.1	0.1	0.9	961
34 - 47		-	-	-	-	-	-	*	*	*	*	*	-	0.0	30
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	6.1	7.0	8.8	8.2	6.1	7.0	10.4	14.2	12.2	8.4	6.1	4.8	100.0	
TOTAL N	795	6284	7224	9154	8533	6329	7230	10756	14735	12680	8718	6298	4970		103706

(\* < 0.05%)

STATION: 45005

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	-	0.1	-	-	0.1	-	-	0.1	-	-	-	-	0.6	10
1 - 3		0.1	0.6	0.2	0.2	0.2	0.3	0.5	0.3	0.2	0.2	0.1	0.4	3.4	58
4 - 6		0.5	0.4	0.3	0.4	0.5	1.3	3.0	2.3	0.9	0.6	0.9	1.1	12.2	210
7 - 10		0.9	0.9	0.6	1.6	2.2	2.8	4.7	4.7	2.4	2.3	2.1	1.5	26.6	458
11 - 15		1.3	1.9	0.8	2.0	0.4	1.5	3.4	6.5	4.8	4.0	1.0	0.7	28.3	487
16 - 20		0.5	0.6	0.6	0.8	0.1	0.4	0.2	3.5	3.9	4.0	0.8	1.2	16.6	286
21 - 24		0.1	-	0.1	0.2	0.5	0.2	0.1	1.7	2.6	1.1	1.5	1.3	9.3	160
25 - 33		-	-	0.1	0.3	0.1	0.1	-	0.2	0.8	0.6	0.7	0.2	3.0	51
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	3.3	4.4	2.7	5.6	4.0	6.7	11.8	19.2	15.6	12.8	7.0	6.4	100.0	
TOTAL N	6	57	76	47	97	68	115	203	331	268	221	121	110		1720

(\* < 0.05%)

STATION: 45005

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	0.1	*	0.1	0.1	*	0.1	0.1	*	*	0.1	*	*	1.4	245
1 - 3		0.6	0.8	0.9	1.1	1.2	1.1	1.2	1.1	1.0	0.7	0.5	0.5	10.8	1921
4 - 6		0.9	1.5	2.1	2.6	2.8	2.8	3.0	3.3	2.2	1.5	0.7	0.7	24.1	4304
7 - 10		1.5	2.1	3.6	4.3	2.6	2.2	3.7	4.9	2.8	1.9	1.1	1.0	31.8	5685
11 - 15		1.7	2.8	3.6	2.2	0.6	0.8	1.4	2.3	1.7	1.3	1.2	1.0	20.6	3688
16 - 20		1.2	1.1	2.3	0.6	0.1	0.1	0.3	0.6	0.8	0.8	0.6	0.5	9.0	1601
21 - 24		0.3	0.2	0.4	*	-	*	*	0.1	0.2	0.3	0.2	0.1	1.7	312
25 - 33		0.1	*	0.1	-	-	-	*	*	0.1	0.2	0.1	*	0.6	104
34 - 47		-	-	-	-	-	-	-	-	*	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	6.3	8.6	13.2	10.9	7.3	7.2	9.7	12.2	8.9	6.8	4.4	3.8	100.0	

TOTAL N 140 1120 1531 2351 1940 1310 1281 1741 2186 1589 1209 789 674 17861  
 (\* < 0.05%)

STATION: 45005

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	WIND DIRECTION													TOT %	TOT N
	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	1.0	0.1	0.1	*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*	1.7	775
1 - 3		0.7	0.9	1.0	1.3	1.2	1.3	1.4	1.4	1.2	0.9	0.5	0.6	12.5	5748
4 - 6		1.0	1.7	2.1	2.5	2.1	2.5	3.0	3.3	2.7	1.8	0.9	0.7	24.4	11199
7 - 10		1.6	2.5	3.5	3.2	2.2	2.1	3.4	5.0	4.2	2.8	1.4	1.1	32.9	15113
11 - 15		1.8	1.8	2.3	1.8	0.7	0.7	1.7	3.2	2.9	1.7	1.4	0.9	20.9	9606
16 - 20		0.8	0.7	0.8	0.3	0.1	0.1	0.3	1.0	0.9	0.6	0.6	0.3	6.6	3009
21 - 24		0.1	0.1	0.1	*	*	*	*	0.1	0.1	0.1	*	*	0.8	375
25 - 33		*	*	*	*	-	*	*	*	*	*	*	-	0.1	57
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.0	6.1	7.8	9.9	9.2	6.4	6.9	10.0	14.1	12.1	7.9	5.0	3.6	100.0	
TOTAL N	445	2820	3600	4546	4225	2930	3146	4583	6475	5559	3643	2278	1633		45883

(\* < 0.05%)

STATION: 45005

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	WIND DIRECTION													TOT %	TOT N
	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	0.5	*	*	*	*	*	*	*	*	*	*	*	*	0.8	323
1 - 3		0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.7	0.5	0.5	0.3	0.4	6.1	2350
4 - 6		0.6	0.8	1.0	1.1	1.3	1.5	1.5	1.7	1.3	0.9	0.8	0.7	13.1	4997
7 - 10		1.6	1.4	1.7	1.9	1.8	2.4	3.4	3.8	2.7	2.0	1.5	1.6	25.7	9827
11 - 15		1.9	1.5	1.6	1.7	1.3	1.8	3.6	4.9	3.8	2.5	2.2	2.0	28.7	10982
16 - 20		1.2	0.9	0.7	0.6	0.3	0.7	1.4	2.9	3.3	2.2	2.3	1.4	17.8	6816
21 - 24		0.2	0.2	0.1	0.1	*	0.1	0.3	0.8	1.5	1.0	0.8	0.5	5.7	2170
25 - 33		*	*	*	*	*	*	0.1	0.2	0.7	0.4	0.3	0.1	2.0	749
34 - 47		-	-	-	-	-	-	*	*	0.1	*	*	-	0.1	28
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	6.0	5.3	5.8	5.9	5.3	7.0	11.1	15.0	13.8	9.5	8.1	6.7	100.0	
TOTAL N	204	2287	2017	2210	2271	2021	2688	4229	5743	5264	3645	3110	2553		38242

(\* < 0.05%)

STATION: 45005

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

Month: MAR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.0	0
1 - 3	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	5
4 - 6	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	5
7 - 10	30.3	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	32.8	39
11 - 15	25.2	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	47.1	56
16 - 20	0.8	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-	10.1	12
21 - 24	0.8	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	2
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	65.5	34.5	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	100.0	
TOTAL N	78	41	0	0	0	0	0	0	0	0	0	0	0	0	0		119

(\* < 0.05%)

STATION: 45005

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	1.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	78
1 - 3	8.0	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7	428
4 - 6	20.6	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	23.2	1142
7 - 10	19.5	9.9	*	-	-	-	-	-	-	-	-	-	-	-	-	29.5	1450
11 - 15	4.6	17.7	0.5	-	-	-	-	-	-	-	-	-	-	-	-	22.9	1126
16 - 20	0.5	8.1	2.5	-	-	-	-	-	-	-	-	-	-	-	-	11.1	547
21 - 24	-	0.8	1.5	*	-	-	-	-	-	-	-	-	-	-	-	2.4	116
25 - 33	-	*	0.3	0.2	*	-	-	-	-	-	-	-	-	-	-	0.6	30

34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
TOTAL %	54.8	39.9	4.9	0.3	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	2698	1966	242	14	2	0	0	0	0	0	0	0	0	0	0	0		4922

(\* < 0.05%)

STATION: 45005

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

Month: MAY

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	1.4	160
1 - 3	1.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	11.2	1312
4 - 6	10.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	24.3	2852
7 - 10	22.4	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	32.8	3847
11 - 15	24.4	8.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	19.5	2291
16 - 20	6.1	12.9	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	8.5	991
21 - 24	0.7	6.5	1.2	*	-	-	-	-	-	-	-	-	-	-	-	1.6	186
25 - 33	-	0.9	0.7	*	-	-	-	-	-	-	-	-	-	-	-	0.6	72
34 - 47	-	0.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.1	13
TOTAL %	65.5	31.5	2.8	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	7684	3689	329	23	0	0	0	0	0	0	0	0	0	0	0		11725

(\* < 0.05%)

STATION: 45005

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

Month: JUN

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	1.3	184
1 - 3	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	1604
4 - 6	11.1	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	26.3	3634
7 - 10	23.7	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	31.2	4304
11 - 15	23.8	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	19.2	2651
16 - 20	6.6	12.4	0.2	-	-	-	-	-	-	-	-	-	-	-	-	6.0	821
21 - 24	0.5	4.6	0.8	*	-	-	-	-	-	-	-	-	-	-	-	0.9	129
25 - 33	0.1	0.5	0.4	-	-	-	-	-	-	-	-	-	-	-	-	0.2	26
34 - 47	-	*	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	444
TOTAL %	69.1	29.2	1.6	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	9536	4029	227	5	0	0	0	0	0	0	0	0	0	0	0		13797

(\* < 0.05%)

STATION: 45005

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

Month: JUL

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	1.8	270
1 - 3	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	12.8	1930
4 - 6	12.1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	23.1	3481
7 - 10	20.4	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	32.7	4932
11 - 15	23.0	9.8	*	-	-	-	-	-	-	-	-	-	-	-	-	19.9	3005
16 - 20	6.7	13.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	5.6	847
21 - 24	0.4	5.0	0.3	-	-	-	-	-	-	-	-	-	-	-	-	0.5	80
25 - 33	*	0.3	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.1	18
34 - 47	*	0.1	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	500
TOTAL %	66.5	32.9	0.6	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	10018	4951	91	3	0	0	0	0	0	0	0	0	0	0	0		15063

(\* < 0.05%)

STATION: 45005

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

Month: AUG

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



0	1.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	288
1 - 3	11.1	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0	1794
4 - 6	18.7	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	22.0	3289
7 - 10	21.2	11.1	*	-	-	-	-	-	-	-	-	-	-	-	-	32.3	4832
11 - 15	6.0	16.9	0.2	-	-	-	-	-	-	-	-	-	-	-	-	23.1	3458
16 - 20	0.4	6.8	0.5	-	-	-	-	-	-	-	-	-	-	-	-	7.7	1150
21 - 24	*	0.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.9	131
25 - 33	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	10
34 - 47	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	59.3	39.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	8869	5942	145	0	0	0	0	0	0	0	0	0	0	0	0		14956

(\* < 0.05%)

STATION: 45005

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

Month: SEP

		WAVE HEIGHT																
WIND SPEED		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
0	0	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	136
1 - 3	0	0.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	1228
4 - 6	0	8.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	16.9	2333
7 - 10	0	13.0	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	29.3	4034
11 - 15	0	18.1	11.1	*	-	-	-	-	-	-	-	-	-	-	-	-	26.0	3580
16 - 20	0	6.2	19.4	0.3	-	-	-	-	-	-	-	-	-	-	-	-	12.5	1721
21 - 24	0	0.4	11.0	1.1	-	-	-	-	-	-	-	-	-	-	-	-	3.2	439
25 - 33	0	*	2.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	0.6	79
34 - 47	0	*	0.2	0.3	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	0	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	0	0.9	0.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.7	233
TOTAL %		47.5	49.8	2.6	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		6554	6867	362	1	0	0	0	0	0	0	0	0	0	0	0		13784

(\* < 0.05%)

STATION: 45005

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

Month: OCT

		WAVE HEIGHT																
WIND SPEED		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
0	0	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	84
1 - 3	0	0.6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	567
4 - 6	0	4.0	0.4	*	-	-	-	-	-	-	-	-	-	-	-	-	10.3	1307
7 - 10	0	8.6	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	21.9	2797
11 - 15	0	13.3	8.6	*	-	-	-	-	-	-	-	-	-	-	-	-	27.4	3491
16 - 20	0	5.8	20.8	0.8	-	-	-	-	-	-	-	-	-	-	-	-	17.9	2284
21 - 24	0	0.2	16.1	1.6	-	-	-	-	-	-	-	-	-	-	-	-	6.0	769
25 - 33	0	*	3.9	2.1	*	-	-	-	-	-	-	-	-	-	-	-	2.4	301
34 - 47	0	-	0.4	1.8	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	13
> 48	0	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	8.9	1134
> 48	0	4.3	4.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL %		36.9	56.2	6.7	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		4699	7164	853	29	2	0	0	0	0	0	0	0	0	0	0		12747

(\* < 0.05%)

STATION: 45005

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

Month: NOV

		WAVE HEIGHT																
WIND SPEED		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
0	0	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	61
1 - 3	0	0.6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	385
4 - 6	0	3.8	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6	885
7 - 10	0	7.9	1.7	*	-	-	-	-	-	-	-	-	-	-	-	-	20.4	1873
11 - 15	0	13.1	7.3	*	-	-	-	-	-	-	-	-	-	-	-	-	29.5	2718
16 - 20	0	6.0	23.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	20.3	1871
21 - 24	0	0.2	17.9	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	7.5	688
25 - 33	0	*	4.7	2.7	0.1	-	-	-	-	-	-	-	-	-	-	-	3.2	290
34 - 47	0	-	0.4	2.7	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	9
> 48	0	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	4.5	418
> 48	0	0.8	3.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL %		32.4	59.0	8.4	0.3	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		2980	5424	769	25	0	0	0	0	0	0	0	0	0	0	0		9198

(\* < 0.05%)

STATION: 45005

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

Month: DEC

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.6	10
1 - 3	3.3	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	57
4 - 6	9.8	2.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	12.0	196
7 - 10	13.5	11.7	0.4	-	-	-	-	-	-	-	-	-	-	-	-	25.6	416
11 - 15	3.9	22.1	2.3	-	-	-	-	-	-	-	-	-	-	-	-	28.3	461
16 - 20	-	14.1	2.9	0.1	-	-	-	-	-	-	-	-	-	-	-	17.1	278
21 - 24	-	5.5	4.2	0.1	-	-	-	-	-	-	-	-	-	-	-	9.8	160
25 - 33	-	0.1	2.6	0.4	-	-	-	-	-	-	-	-	-	-	-	3.1	50
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	31.0	56.0	12.5	0.6	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	504	911	204	9	0	0	0	0	0	0	0	0	0	0	0		1628

(\* < 0.05%)

STATION: 45005

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

All Months: Annual

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.3	1271
1 - 3	8.9	0.6	*	-	-	-	-	-	-	-	-	-	-	-	-	9.5	9310
4 - 6	16.9	2.6	*	-	-	-	-	-	-	-	-	-	-	-	-	19.5	19124
7 - 10	19.8	9.3	*	-	-	-	-	-	-	-	-	-	-	-	-	29.1	28524
11 - 15	6.1	16.8	0.4	*	-	-	-	-	-	-	-	-	-	-	-	23.3	22837
16 - 20	0.4	9.2	1.1	*	-	-	-	-	-	-	-	-	-	-	-	10.7	10522
21 - 24	*	1.7	1.0	*	-	-	-	-	-	-	-	-	-	-	-	2.8	2700
25 - 33	*	0.2	0.7	0.1	*	-	-	-	-	-	-	-	-	-	-	0.9	876
34 - 47	-	*	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	25
> 48	1.4	1.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	2.8	2750
TOTAL %	54.7	41.8	3.3	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	53620	40984	3222	109	4	0	0	0	0	0	0	0	0	0	0		97939

(\* < 0.05%)

STATION: 45005

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.6	10
1 - 3	3.3	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	57
4 - 6	9.8	2.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	12.0	196
7 - 10	13.5	11.7	0.4	-	-	-	-	-	-	-	-	-	-	-	-	25.6	416
11 - 15	3.9	22.1	2.3	-	-	-	-	-	-	-	-	-	-	-	-	28.3	461
16 - 20	-	14.1	2.9	0.1	-	-	-	-	-	-	-	-	-	-	-	17.1	278
21 - 24	-	5.5	4.2	0.1	-	-	-	-	-	-	-	-	-	-	-	9.8	160
25 - 33	-	0.1	2.6	0.4	-	-	-	-	-	-	-	-	-	-	-	3.1	50
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	31.0	56.0	12.5	0.6	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	504	911	204	9	0	0	0	0	0	0	0	0	0	0	0		1628

(\* < 0.05%)

STATION: 45005

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.4	238
1 - 3	9.8	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	10.4	1745
4 - 6	21.7	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	23.9	3999
7 - 10	23.0	8.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	31.8	5336
11 - 15	5.8	14.4	0.4	*	-	-	-	-	-	-	-	-	-	-	-	20.7	3473
16 - 20	0.6	7.0	1.6	*	-	-	-	-	-	-	-	-	-	-	-	9.2	1550
21 - 24	*	0.8	0.9	*	-	-	-	-	-	-	-	-	-	-	-	1.8	304
25 - 33	-	0.1	0.4	0.1	*	-	-	-	-	-	-	-	-	-	-	0.6	102

34 - 47	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	0.1	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	18
TOTAL %	62.4	34.0	3.4	0.2	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	10460	5696	571	37	2	0	0	0	0	0	0	0	0	0	0	0		16766

(\* < 0.05%)

STATION: 45005

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.7	742	
1 - 3	1.6	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2	5328
4 - 6	11.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.7	10404
7 - 10	20.9	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.1	14068
11 - 15	22.6	9.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	20.8	9114
16 - 20	6.4	14.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	2818
21 - 24	0.4	5.5	0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	0.8	340
25 - 33	*	0.5	0.3	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	54
34 - 47	*	*	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	947
TOTAL %	64.9	34.1	1.1	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	28423	14922	463	8	0	0	0	0	0	0	0	0	0	0	0			43816

(\* < 0.05%)

STATION: 45005

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.8	281	
1 - 3	0.8	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	2180
4 - 6	5.5	0.6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	12.7	4525
7 - 10	10.1	2.6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	24.4	8704
11 - 15	15.1	9.2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	27.4	9789
16 - 20	6.0	20.9	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	16.4	5876
21 - 24	0.3	14.6	1.5	*	-	-	-	-	-	-	-	-	-	-	-	-	5.3	1896
25 - 33	*	3.5	1.7	*	-	-	-	-	-	-	-	-	-	-	-	-	1.9	670
34 - 47	*	0.3	1.5	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.1	23
> 48	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	5.0	1785
TOTAL %	39.8	54.5	5.6	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	14233	19455	1984	55	2	0	0	0	0	0	0	0	0	0	0			35729

(\* < 0.05%)

STATION: 45005

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	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	-	30.3	36	
0.5 - 1.4	30.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.2	30
3.5 - 4.4	24.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.7	46
4.5 - 5.4	10.1	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	6
5.5 - 6.4	-	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
6.5 - 7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	1
TOTAL %	65.5	34.5	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	100.0		
TOTAL N	78	41	0	0	0	0	0	0	0	0	0	0	0	0	0			119

(\* < 0.05%)

STATION: 45005

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

Month: APR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	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	-	15.7	773	
0.5 - 1.4	15.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	117
2.5 - 3.4	2.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.8	1810

3.5 - 4.4	8.9	17.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	26.7	1314
4.5 - 5.4	1.3	8.3	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	565
5.5 - 6.4	*	3.6	1.6	*	-	-	-	-	-	-	-	-	-	-	-	-	5.2	257
6.5 - 7.4	-	0.3	1.0	*	-	-	-	-	-	-	-	-	-	-	-	-	1.3	64
7.5 - 8.4	-	-	0.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.4	18
8.5 - 9.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
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	0
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	54.8	40.0	4.9	0.3	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	2696	1966	242	14	2	0	0	0	0	0	0	0	0	0	0	0		4920

(\* < 0.05%)

STATION: 45005

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

Month: MAY

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	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	-	23.0	2694	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.6	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	315
2.5 - 3.4	30.7	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.6	4522
3.5 - 4.4	8.0	14.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	22.1	2593
4.5 - 5.4	1.1	7.7	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	1165
5.5 - 6.4	*	1.5	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	2.9	336
6.5 - 7.4	-	0.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	0.4	43
7.5 - 8.4	0.2	*	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.4	48
TOTAL %	65.6	31.5	2.8	0.2	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	7681	3686	326	23	0	0	0	0	0	0	0	0	0	0	0	0		11716

(\* < 0.05%)

STATION: 45005

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	23.3	3218	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	3.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	452
2.5 - 3.4	34.8	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.8	6046
3.5 - 4.4	6.9	13.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	2880
4.5 - 5.4	0.9	5.0	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	892
5.5 - 6.4	-	1.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	240
6.5 - 7.4	-	*	0.4	*	-	-	-	-	-	-	-	-	-	-	-	-	0.4	57
7.5 - 8.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	5
8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
13.5 - 14.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	69.1	29.2	1.6	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	100.0	
TOTAL N	9536	4027	227	5	0	0	0	0	0	0	0	0	0	0	0	0		13795

(\* < 0.05%)



TOTAL %	47.6	49.8	2.6	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	6550	6861	362	1	0	0	0	0	0	0	0	0	0	0	0		13774

(\* < 0.05%)

STATION: 45005

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

Month: OCT

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	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	-	8.7	1107
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	221
2.5 - 3.4	21.0	13.9	-	-	-	-	-	-	-	-	-	-	-	-	-	34.9	4452
3.5 - 4.4	4.5	29.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	34.7	4424
4.5 - 5.4	1.0	10.0	3.7	*	-	-	-	-	-	-	-	-	-	-	-	14.8	1882
5.5 - 6.4	*	2.6	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	4.2	531
6.5 - 7.4	-	0.1	0.7	*	-	-	-	-	-	-	-	-	-	-	-	0.9	113
7.5 - 8.4	-	*	*	*	*	-	-	-	-	-	-	-	-	-	-	0.1	14
8.5 - 9.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	36.9	56.2	6.7	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	4699	7164	853	29	2	0	0	0	0	0	0	0	0	0	0		12747

(\* < 0.05%)

STATION: 45005

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

Month: NOV

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	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	-	7.4	681
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	223
2.5 - 3.4	17.7	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-	32.5	2988
3.5 - 4.4	3.8	33.7	1.3	-	-	-	-	-	-	-	-	-	-	-	-	38.8	3564
4.5 - 5.4	1.2	8.6	5.6	*	-	-	-	-	-	-	-	-	-	-	-	15.3	1409
5.5 - 6.4	*	1.6	1.0	0.2	-	-	-	-	-	-	-	-	-	-	-	2.8	254
6.5 - 7.4	-	0.2	0.4	*	-	-	-	-	-	-	-	-	-	-	-	0.7	65
7.5 - 8.4	-	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.1	13
TOTAL %	32.4	59.0	8.4	0.3	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	2979	5424	769	25	0	0	0	0	0	0	0	0	0	0	0		9197

(\* < 0.05%)

STATION: 45005

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	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	-	3.7	61
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	6.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	102
2.5 - 3.4	16.7	15.9	-	-	-	-	-	-	-	-	-	-	-	-	-	32.6	530
3.5 - 4.4	3.6	28.5	2.2	-	-	-	-	-	-	-	-	-	-	-	-	34.2	557
4.5 - 5.4	0.7	8.7	6.7	-	-	-	-	-	-	-	-	-	-	-	-	16.1	262
5.5 - 6.4	0.1	2.2	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	4.4	72
6.5 - 7.4	-	0.5	0.9	0.2	-	-	-	-	-	-	-	-	-	-	-	1.6	26
7.5 - 8.4	-	0.1	0.7	0.2	-	-	-	-	-	-	-	-	-	-	-	1.0	17
TOTAL %	30.9	56.0	12.5	0.6	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	503	911	204	9	0	0	0	0	0	0	0	0	0	0	0		1627

(\* < 0.05%)

STATION: 45005

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

All Months: Annual

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	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	-	14.5	14195
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	2888
2.5 - 3.4	29.3	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	41.3	40441
3.5 - 4.4	7.0	19.9	0.3	-	-	-	-	-	-	-	-	-	-	-	-	27.3	26708

4.5 - 5.4	1.0	8.0	1.6	*	-	-	-	-	-	-	-	-	-	-	-	-	10.6	10390
5.5 - 6.4	*	1.8	0.9	*	-	-	-	-	-	-	-	-	-	-	-	-	2.7	2667
6.5 - 7.4	*	0.1	0.4	*	-	-	-	-	-	-	-	-	-	-	-	-	0.5	486
7.5 - 8.4	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	0.1	118
8.5 - 9.4	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	4
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
13.5 - 14.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	54.8	41.8	3.3	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	53605	40968	3219	109	4	0	0	0	0	0	0	0	0	0	0	0		97905

(\* < 0.05%)

STATION: 45005

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	3.7	61	
0.5 - 1.4	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	6.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	102
2.5 - 3.4	16.7	15.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.6	530
3.5 - 4.4	3.6	28.5	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	34.2	557
4.5 - 5.4	0.7	8.7	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	16.1	262
5.5 - 6.4	0.1	2.2	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	4.4	72
6.5 - 7.4	-	0.5	0.9	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.6	26
7.5 - 8.4	-	0.1	0.7	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.0	17
TOTAL %	30.9	56.0	12.5	0.6	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	503	911	204	9	0	0	0	0	0	0	0	0	0	0	0	0		1627

(\* < 0.05%)

STATION: 45005

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	20.9	3503	
0.5 - 1.4	20.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	432
2.5 - 3.4	29.4	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.0	6362
3.5 - 4.4	8.3	15.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	23.6	3953
4.5 - 5.4	1.1	7.8	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	10.4	1736
5.5 - 6.4	*	2.1	1.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	3.5	593
6.5 - 7.4	*	0.2	0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	0.6	108
7.5 - 8.4	0.2	*	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.4	66
8.5 - 9.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
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	0
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	62.4	34.0	3.4	0.2	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	10455	5693	568	37	2	0	0	0	0	0	0	0	0	0	0	0		16755

(\* < 0.05%)

STATION: 45005

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	17.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.3	7566
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	3.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	1555
2.5 - 3.4	35.0	11.0	-	-	-	-	-	-	-	-	-	-	-	-	-	46.0	20148
3.5 - 4.4	8.2	15.1	*	-	-	-	-	-	-	-	-	-	-	-	-	23.4	10233
4.5 - 5.4	0.9	6.5	0.3	-	-	-	-	-	-	-	-	-	-	-	-	7.7	3367
5.5 - 6.4	*	1.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	1.8	792
6.5 - 7.4	-	0.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.3	130
7.5 - 8.4	*	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	7
8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
13.5 - 14.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	64.9	34.0	1.1	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	28419	14915	463	8	0	0	0	0	0	0	0	0	0	0	0		43805

(\* < 0.05%)

STATION: 45005

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	3065
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	799
2.5 - 3.4	22.9	14.6	-	-	-	-	-	-	-	-	-	-	-	-	-	37.5	13401
3.5 - 4.4	5.1	27.7	0.7	-	-	-	-	-	-	-	-	-	-	-	-	33.5	11965
4.5 - 5.4	1.1	9.8	3.2	*	-	-	-	-	-	-	-	-	-	-	-	14.1	5025
5.5 - 6.4	*	2.2	1.1	0.1	-	-	-	-	-	-	-	-	-	-	-	3.4	1210
6.5 - 7.4	-	0.1	0.5	*	-	-	-	-	-	-	-	-	-	-	-	0.6	222
7.5 - 8.4	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	0.1	28
8.5 - 9.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	39.8	54.5	5.6	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	14228	19449	1984	55	2	0	0	0	0	0	0	0	0	0	0		35718

(\* < 0.05%)

STATION: 45005

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	30.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.3	36
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	34.5	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	46.2	55
3.5 - 4.4	0.8	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	22.7	27
4.5 - 5.4	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	1
TOTAL %	65.5	34.5	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	100.0	
TOTAL N	78	41	0	0	0	0	0	0	0	0	0	0	0	0	0		119

(\* < 0.05%)

STATION: 45005

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

Month: APR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	30.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.3	36
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	34.5	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	46.2	55
3.5 - 4.4	0.8	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	22.7	27
4.5 - 5.4	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	1
TOTAL %	65.5	34.5	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	100.0	
TOTAL N	78	41	0	0	0	0	0	0	0	0	0	0	0	0	0		119

(\* < 0.05%)







TOTAL %	30.9	56.0	12.5	0.6	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	503	911	204	9	0	0	0	0	0	0	0	0	0	0	0		1627

(\* < 0.05%)

STATION: 45005

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		14.5	14196
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	2.5	*	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2428
2.5 - 3.4	35.0	21.1	*	-	-	-	-	-	-	-	-	-	-	-	-	56.2	55037
3.5 - 4.4	2.7	19.9	2.0	*	-	-	-	-	-	-	-	-	-	-	-	24.7	24159
4.5 - 5.4	*	0.8	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	2.0	1999
5.5 - 6.4	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	0.1	84
6.5 - 7.4	*	-	*	-	*	-	-	-	-	-	-	-	-	-	-	0.0	29
TOTAL %	54.7	41.8	3.3	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	53613	40984	3222	109	4	0	0	0	0	0	0	0	0	0	0		97932

(\* < 0.05%)

STATION: 45005

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4		3.7	61
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	86
2.5 - 3.4	20.6	30.5	-	-	-	-	-	-	-	-	-	-	-	-	-	51.1	831
3.5 - 4.4	1.3	24.5	10.0	-	-	-	-	-	-	-	-	-	-	-	-	35.8	582
4.5 - 5.4	-	1.0	2.3	0.3	-	-	-	-	-	-	-	-	-	-	-	3.7	60
5.5 - 6.4	-	-	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	0.4	7
TOTAL %	30.9	56.0	12.5	0.6	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	503	911	204	9	0	0	0	0	0	0	0	0	0	0	0		1627

(\* < 0.05%)

STATION: 45005

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4		20.9	3504
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	2.5	*	-	-	-	-	-	-	-	-	-	-	-	-	2.5	421
2.5 - 3.4	35.8	15.8	*	-	-	-	-	-	-	-	-	-	-	-	-	51.6	8647
3.5 - 4.4	3.0	17.1	1.6	*	-	-	-	-	-	-	-	-	-	-	-	21.8	3653
4.5 - 5.4	-	1.1	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	2.8	475
5.5 - 6.4	*	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	36
6.5 - 7.4	0.1	-	*	-	*	-	-	-	-	-	-	-	-	-	-	0.2	28
TOTAL %	62.4	34.0	3.4	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	10458	5696	571	37	2	0	0	0	0	0	0	0	0	0	0		16764

(\* < 0.05%)

STATION: 45005

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4		17.3	7566
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	2.9	*	-	-	-	-	-	-	-	-	-	-	-	-	2.9	1284
2.5 - 3.4	41.9	18.4	*	-	-	-	-	-	-	-	-	-	-	-	-	60.4	26451
3.5 - 4.4	2.8	15.0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	18.2	7973
4.5 - 5.4	*	0.6	0.6	*	-	-	-	-	-	-	-	-	-	-	-	1.2	522
5.5 - 6.4	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	19
TOTAL %	64.9	34.1	1.1	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	28422	14922	463	8	0	0	0	0	0	0	0	0	0	0	0		43815

(\* < 0.05%)

STATION: 45005

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	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	3065
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.8	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	637
2.5 - 3.4	26.9	26.6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	53.5	19108
3.5 - 4.4	2.6	27.0	3.8	*	-	-	-	-	-	-	-	-	-	-	-	-	33.5	11951
4.5 - 5.4	*	0.8	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	2.6	942
5.5 - 6.4	-	-	*	*	*	-	-	-	-	-	-	-	-	-	-	-	0.1	22
6.5 - 7.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	39.8	54.5	5.6	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	14230	19455	1984	55	2	0	0	0	0	0	0	0	0	0	0			35726

(\* < 0.05%)

STATION: 45005

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

Month: APR

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	0.4	3.7	3.9	3.5	1.5	0.2	0.7	0.4	0.9	1.5	3.5	2.0	22.3	102
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.5	4.4	3.5	2.0	-	1.3	0.4	2.4	2.8	3.1	5.0	0.9	27.4	125
3.5 - 4.4	0.9	2.0	5.3	0.4	-	-	0.2	3.1	5.0	9.2	2.4	0.7	29.1	133
4.5 - 5.4	-	-	12.0	1.3	-	-	-	0.2	0.2	0.7	-	-	14.4	66
5.5 - 6.4	-	-	6.1	0.7	-	-	-	-	-	-	-	-	6.8	31
TOTAL %	2.8	10.1	30.9	7.9	1.5	1.5	1.3	6.1	9.0	14.4	10.9	3.5	100.0	
TOTAL N	13	46	141	36	7	7	6	28	41	66	50	16		457

(\* < 0.05%)

STATION: 45005

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

Month: MAY

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	2.7	2.5	7.4	4.0	3.0	1.2	1.0	2.1	2.1	2.4	2.4	3.3	34.1	799
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	3.2	2.7	4.5	2.0	0.9	0.7	1.1	3.5	3.8	3.0	1.7	1.2	28.3	662
3.5 - 4.4	2.2	2.7	7.8	3.8	0.1	0.1	0.4	1.5	2.5	1.7	1.0	1.3	25.1	588
4.5 - 5.4	0.9	1.5	5.6	1.4	-	-	-	0.3	0.1	0.5	0.2	0.1	10.7	251
5.5 - 6.4	0.1	0.1	1.5	0.1	-	-	-	-	-	-	-	-	1.8	42
6.5 - 7.4	-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	9.2	9.5	26.8	11.3	4.0	1.9	2.5	7.5	8.5	7.6	5.2	5.9	100.0	
TOTAL N	215	222	629	264	94	45	58	175	200	179	123	139		2343

(\* < 0.05%)

STATION: 45005

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

Month: JUN

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	2.0	3.2	9.9	4.8	2.6	1.3	1.3	2.3	2.4	2.8	2.1	2.7	37.5	1067
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.5	3.7	6.6	2.6	0.6	1.4	1.4	3.7	3.5	2.7	2.4	1.2	32.4	922
3.5 - 4.4	1.9	2.5	7.9	2.2	0.3	0.1	0.5	2.0	1.6	1.0	0.6	0.6	21.3	605
4.5 - 5.4	0.4	0.7	4.0	0.5	-	*	0.1	0.1	0.1	0.3	0.1	0.1	6.4	183
5.5 - 6.4	-	-	2.1	-	-	-	-	-	-	-	-	-	2.1	61
6.5 - 7.4	-	-	0.2	-	-	-	-	-	-	-	-	-	0.2	5
7.5 - 8.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	-	-	-	-	-	-	*	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	*	*	-	-	0.1	2
13.5 - 14.4	-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
TOTAL %	6.9	10.1	30.7	10.2	3.5	3.0	3.3	8.1	7.7	6.8	5.2	4.6	100.0	

TOTAL N 196 288 873 289 100 84 94 231 218 195 148 131 2847  
 (\* < 0.05%)

STATION: 45005

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

Month: JUL

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	1.1	1.8	3.1	2.5	1.8	1.4	1.0	2.2	3.1	3.3	1.4	1.3	24.0	856
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.0	2.0	3.6	2.9	0.8	1.6	2.8	7.4	8.3	8.5	4.4	2.2	46.5	1659
3.5 - 4.4	0.6	2.6	7.8	0.8	-	*	0.1	1.5	2.4	2.4	2.0	0.7	21.1	753
4.5 - 5.4	-	0.3	5.1	0.2	-	-	-	-	-	0.2	0.1	0.1	5.9	211
5.5 - 6.4	-	-	2.2	0.1	-	-	-	-	-	-	-	-	2.2	80
6.5 - 7.4	-	-	0.3	-	-	-	-	-	-	-	-	-	0.3	12
TOTAL %	3.7	6.7	22.1	6.5	2.5	3.0	4.0	11.2	13.9	14.4	7.9	4.3	100.0	
TOTAL N	133	239	789	231	90	106	142	399	495	513	282	152		3571

(\* < 0.05%)

STATION: 45005

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

Month: AUG

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	1.8	2.3	6.2	4.3	1.8	0.9	1.2	2.3	2.6	1.8	1.0	1.2	27.2	915
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.0	3.3	6.0	2.9	0.8	1.0	1.0	4.9	5.8	5.4	2.6	1.4	37.0	1245
3.5 - 4.4	1.0	3.5	8.2	2.2	0.2	0.3	0.1	1.6	2.5	1.8	1.5	0.4	23.4	786
4.5 - 5.4	0.1	1.0	6.5	0.5	-	-	-	0.2	0.1	0.2	0.2	-	8.7	293
5.5 - 6.4	-	0.2	3.3	0.1	-	-	-	-	-	-	-	-	3.6	121
6.5 - 7.4	-	-	0.1	-	-	-	-	-	-	-	-	-	0.1	4
TOTAL %	4.8	10.3	30.3	10.0	2.8	2.2	2.2	9.0	10.9	9.2	5.3	3.1	100.0	
TOTAL N	161	347	1020	335	95	74	73	302	366	309	179	103		3364

(\* < 0.05%)

STATION: 45005

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

Month: SEP

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	0.6	0.6	2.6	1.9	0.8	0.5	0.5	1.1	0.7	0.8	0.5	0.6	11.3	319
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.8	1.9	4.2	2.5	1.3	2.5	2.8	7.1	3.5	3.7	2.3	2.4	36.0	1020
3.5 - 4.4	1.9	3.0	9.1	1.7	0.1	0.4	0.9	4.6	2.7	1.8	3.3	1.8	31.4	890
4.5 - 5.4	0.4	2.3	10.7	0.5	-	-	-	0.3	1.1	1.1	0.7	0.1	17.2	487
5.5 - 6.4	-	0.2	3.8	-	-	-	-	-	-	*	-	-	4.0	113
6.5 - 7.4	-	-	0.1	-	-	-	-	-	-	-	-	-	0.1	4
7.5 - 8.4	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	4.7	7.9	30.6	6.6	2.3	3.4	4.1	13.1	8.0	7.6	6.9	4.9	100.0	
TOTAL N	134	224	868	186	64	97	117	370	226	214	195	139		2834

(\* < 0.05%)

STATION: 45005

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

Month: OCT

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	0.5	1.0	3.3	2.1	0.9	0.7	0.5	1.0	0.8	0.7	0.6	0.5	12.6	367
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.3	1.1	2.2	2.0	0.9	2.4	4.3	6.6	4.2	3.2	2.7	1.6	32.4	946
3.5 - 4.4	0.6	2.3	5.1	0.9	0.1	0.9	1.4	6.8	5.2	5.7	3.5	1.3	33.7	985
4.5 - 5.4	0.2	1.3	7.5	-	-	0.1	0.2	1.7	2.0	2.4	0.8	-	16.4	478
5.5 - 6.4	-	0.1	3.4	*	-	-	-	-	*	0.1	-	-	3.7	108
6.5 - 7.4	-	*	0.8	-	-	-	-	-	-	-	-	-	0.8	23
7.5 - 8.4	-	0.1	0.3	-	-	-	-	-	-	-	-	-	0.4	12
8.5 - 9.4	-	-	0.1	-	-	-	-	-	-	-	-	-	0.1	3
TOTAL %	2.6	6.1	22.6	5.0	2.0	4.0	6.4	16.2	12.3	12.1	7.5	3.4	100.0	
TOTAL N	77	177	660	146	57	117	186	472	359	353	220	98		2922



8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	-	-	-	-	-	-	*	-	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	*	*	-	-	-	0.0	2
13.5 - 14.4	-	-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
TOTAL %	5.0	8.9	27.4	8.7	2.9	2.7	3.2	9.5	11.0	10.4	6.2	3.9	100.0		
TOTAL N	490	874	2682	855	285	264	309	932	1079	1017	609	386		9782	

(\* < 0.05%)

STATION: 45005

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	0.5	0.8	2.7	1.9	0.7	0.5	0.5	0.9	0.7	0.7	0.6	0.6	11.1	830	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
2.5 - 3.4	1.4	1.3	2.6	1.9	1.0	2.3	3.4	6.9	4.3	3.4	2.5	1.8	32.8	2460	
3.5 - 4.4	1.4	2.6	6.1	1.2	0.1	0.9	1.6	6.7	4.4	4.2	3.6	1.4	34.0	2550	
4.5 - 5.4	0.4	1.5	7.8	0.2	*	0.1	0.2	1.4	1.7	2.5	1.1	0.2	17.2	1290	
5.5 - 6.4	*	0.2	3.5	*	-	-	-	*	0.1	0.1	*	*	3.9	296	
6.5 - 7.4	-	*	0.6	-	-	-	-	-	-	-	-	-	0.6	47	
7.5 - 8.4	*	0.1	0.2	-	-	-	-	-	-	-	-	-	0.2	18	
8.5 - 9.4	-	-	*	-	-	-	-	-	-	-	-	-	0.0	3	
TOTAL %	3.7	6.4	23.6	5.2	1.9	3.9	5.7	15.9	11.1	10.9	7.8	4.1	100.0		
TOTAL N	279	483	1766	386	140	289	428	1188	831	817	582	305		7494	

(\* < 0.05%)

STATION: 45005

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

Month: APR

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	2.0	7.7	11.6	5.5	1.5	1.3	0.9	2.2	3.5	5.5	7.2	2.4	51.2	234	
0.5 - 1.4	0.9	2.4	19.3	2.4	-	0.2	0.4	3.9	5.5	9.0	3.7	1.1	48.8	223	
TOTAL %	2.8	10.1	30.9	7.9	1.5	1.5	1.3	6.1	9.0	14.4	10.9	3.5	100.0		
TOTAL N	13	46	141	36	7	7	6	28	41	66	50	16		457	

(\* < 0.05%)

STATION: 45005

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

Month: MAY

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	5.5	4.9	17.8	8.5	3.8	1.6	1.9	5.3	5.6	5.4	3.8	4.5	68.8	1611	
0.5 - 1.4	3.5	4.3	8.7	2.7	0.3	0.3	0.6	2.2	2.9	2.2	1.4	1.3	30.3	709	
1.5 - 2.4	0.2	0.3	0.3	*	-	-	-	-	-	-	0.1	0.1	1.0	23	
TOTAL %	9.2	9.5	26.8	11.3	4.0	1.9	2.5	7.5	8.5	7.6	5.2	5.9	100.0		
TOTAL N	215	222	629	264	94	45	58	175	200	179	123	139		2343	

(\* < 0.05%)

STATION: 45005

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

Month: JUN

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	4.1	7.1	22.4	8.5	3.1	2.5	2.4	5.6	5.6	5.4	3.7	3.7	74.0	2106	
0.5 - 1.4	2.7	3.0	7.8	1.7	0.4	0.5	0.9	2.5	2.0	1.4	1.5	0.9	25.4	724	
1.5 - 2.4	-	-	0.5	-	-	*	-	*	*	*	-	-	0.6	17	
TOTAL %	6.9	10.1	30.7	10.2	3.5	3.0	3.3	8.1	7.7	6.8	5.2	4.6	100.0		
TOTAL N	196	288	873	289	100	84	94	231	218	195	148	131		2847	

(\* < 0.05%)

STATION: 45005

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

Month: JUL

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	2.7	4.5	11.8	5.6	2.5	2.8	3.3	7.8	9.6	10.5	5.1	3.1	69.3	2475





TOTAL %	5.0	8.1	26.0	7.7	2.6	3.0	4.0	11.6	10.7	10.4	6.8	4.2	100.0	
TOTAL N	997	1625	5218	1541	526	605	801	2323	2151	2080	1364	846		20077

(\* < 0.05%)

STATION: 45005

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

Months: MAR, APR, MAY (Spring)

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	5.0	5.4	16.8	8.0	3.4	1.6	1.7	4.8	5.3	5.4	4.4	4.2	65.9	1845
0.5 - 1.4	3.0	4.0	10.4	2.6	0.2	0.3	0.6	2.5	3.3	3.3	1.8	1.3	33.3	932
1.5 - 2.4	0.1	0.3	0.3	*	-	-	-	-	-	-	0.1	0.1	0.8	23
TOTAL %	8.1	9.6	27.5	10.7	3.6	1.9	2.3	7.3	8.6	8.8	6.2	5.5	100.0	
TOTAL N	228	268	770	300	101	52	64	203	241	245	173	155		2800

(\* < 0.05%)

STATION: 45005

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

Months: JUN, JUL, AUG (Summer)

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	3.3	5.9	17.0	7.5	2.7	2.3	2.6	6.6	7.3	7.5	3.9	3.0	69.7	6814
0.5 - 1.4	1.7	3.0	9.6	1.2	0.2	0.4	0.6	2.9	3.7	2.9	2.3	1.0	29.4	2881
1.5 - 2.4	-	0.1	0.7	*	-	*	-	*	*	*	-	*	0.9	88
TOTAL %	5.0	8.9	27.4	8.7	2.9	2.7	3.2	9.5	11.0	10.4	6.2	3.9	100.0	
TOTAL N	490	874	2682	855	285	264	309	932	1079	1018	609	386		9783

(\* < 0.05%)

STATION: 45005

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

Months: SEP, OCT, NOV (Autumn)

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	1.6	2.9	10.4	4.0	1.4	1.9	2.5	5.9	3.6	3.2	2.0	1.8	41.3	3094
0.5 - 1.4	1.9	3.3	11.8	1.1	0.4	1.9	3.1	9.6	6.5	6.9	5.4	2.1	54.1	4054
1.5 - 2.4	0.2	0.3	1.2	*	*	0.1	0.1	0.3	0.9	0.7	0.4	0.2	4.4	328
2.5 - 3.4	-	-	0.1	-	-	-	-	-	*	0.1	-	-	0.2	16
3.5 - 4.4	-	-	*	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	3.7	6.4	23.6	5.2	1.9	3.9	5.7	15.9	11.1	10.9	7.8	4.1	100.0	
TOTAL N	279	483	1766	386	140	289	428	1188	831	817	582	305		7494

(\* < 0.05%)

Summary complete: 09-Sep-2003 04:34:24