

STATION: 45004

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (4/1980 - 11/2001) (102218 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			
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	2	#	-	-	-	-	-	-	-	-	5	#	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	14	999	-	-	-	-	-	-	-	-	19	999	
21	-	-	-	-	-	-	-	-	-	-	-	-	6	#	48	999	46	999	-	-	-	-	-	-	-	-	100	999	
20	-	-	-	-	-	-	-	-	-	-	-	22	999	342	997	70	996	-	-	-	-	-	-	-	-	-	434	999	
19	-	-	-	-	-	-	-	-	-	-	-	99	998	636	975	164	991	-	-	-	-	-	-	-	-	-	899	995	
18	-	-	-	-	-	-	-	-	-	-	-	181	992	880	936	343	981	-	-	-	-	-	-	-	-	-	1404	986	
17	-	-	-	-	-	-	-	-	-	1	#	315	981	1315	881	506	959	-	-	-	-	-	-	-	-	-	2137	972	
16	-	-	-	-	-	-	-	-	-	4	999	444	961	1715	800	975	926	12	#	-	-	-	-	-	-	-	3150	951	
15	-	-	-	-	-	-	-	-	1	#	13	999	423	934	1665	693	1276	863	35	999	-	-	-	-	-	-	3413	920	
14	-	-	-	-	-	-	-	4	999	16	999	534	907	1779	590	1685	781	73	997	-	-	-	-	-	-	-	4091	887	
13	-	-	-	-	-	1	#	-	-	63	998	640	874	1414	480	2047	672	166	992	-	-	-	-	-	-	-	4331	847	
12	-	-	-	-	-	1	999	7	999	98	993	732	835	1299	392	2040	540	480	982	-	-	-	-	-	-	-	4657	805	
11	1	#	-	-	-	2	999	13	999	194	986	837	789	1075	311	1852	408	729	951	24	#	-	-	-	-	-	4727	759	
10	3	996	-	-	-	9	999	52	998	315	972	1071	737	939	245	1317	289	1435	904	39	996	-	-	-	-	-	5180	713	
9	6	983	-	-	-	10	998	106	994	724	949	1506	671	1047	186	1391	204	1792	813	120	990	-	-	-	-	-	6702	662	
8	3	958	-	-	-	35	996	283	985	1229	896	2141	577	938	121	789	114	2065	698	214	970	12	#	-	-	7709	596		
7	1	945	-	-	-	77	990	657	962	1990	806	2812	444	556	63	488	63	2162	566	414	934	11	984	11	984	9168	521		
6	2	941	-	-	-	126	977	1488	909	3102	660	2782	269	386	29	256	32	1989	428	601	866	24	970	10756	431				
5	4	933	-	-	-	369	955	2610	788	3563	434	1325	97	72	5	142	15	1317	300	540	767	41	938	9983	326				
4	6	916	-	-	-	857	891	3192	577	1984	173	227	14	4	*	69	6	1122	216	546	677	63	884	8070	228				
3	10	891	-	-	-	1435	744	2341	318	356	28	2	*	-	-	25	2	876	144	482	587	52	801	5579	150				
2	10	849	-	-	-	1503	497	1123	128	24	2	-	-	-	-	-	1	*	590	88	545	508	60	733	3856	95			
1	9	807	-	-	-	659	238	299	37	3	*	-	-	-	-	-	-	-	414	50	533	417	41	653	1958	57			
0	19	769	-	-	-	310	124	84	13	-	-	-	-	-	-	-	-	-	216	24	385	329	26	599	1040	38			
-1	22	689	-	-	-	171	71	49	6	-	-	-	-	-	-	-	-	-	88	10	357	266	34	565	721	28			
-2	15	597	-	-	-	118	42	19	2	-	-	-	-	-	-	-	-	-	46	5	368	207	35	520	601	21			
-3	23	534	-	-	-	48	21	10	1	-	-	-	-	-	-	-	-	-	25	2	297	146	31	474	434	15			
-4	25	437	-	-	-	35	13	-	-	-	-	-	-	-	-	-	-	-	-	193	97	29	433	282	11				
-5	17	332	-	-	-	23	7	-	-	-	-	-	-	-	-	-	-	-	-	132	65	40	395	212	8				
-6	11	261	-	-	-	12	3	-	-	-	-	-	-	-	-	-	-	-	-	99	43	44	343	166	6				
-7	3	214	-	-	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	86	27	21	285	115	4				
-8	5	202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	13	46	257	73	3				
-9	3	181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	9	43	196	75	2				
-10	11	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	4	33	140	64	2				
-11	21	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	24	96	50	1				
-12	7	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	65	24	1			
-13	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	42	5	*			
-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	37	6	*			
-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	29	4	*			
-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	24	10	*			
-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	11	7	*			
-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	*			
MEAN	-2.7					2.4		4.2		6.1		8.9		13.3		12.1		6.8		2.1		-2.5		7.9					
S.D.	5.3					2.0		1.7		1.8		3.4		3.6		3.1		3.0		4.0		6.0		4.8					
TOTAL	238					5806		12338		13679		16099		16118		15498		15632		6051		759		102218					
MAX	10.9					12.7		15.1		16.6		21.1		23.0		22.6		16.4		11.3		8.0		23.0					
DATE	1991011703					1990042623		1991053003		1998062603		1999073100		1991082723		1983090320		1983100123		2000110216		1990122104		1991082723					
MIN	-13.3					-6.9		-3.0		1.3		3.4		4.3		2.4		-3.4		-11.1		-17.5		-17.5					
DATE	1991010717					1992041218		1996050115		1989060610		1990070208		1996081311		1991092716		1996103108		1989112813		1990122609		1990122609					

(* < 0.05% , # = 100.0%)

STATION: 45004

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (4/1980 - 11/2001) (105108 RECORDS, 99.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	#	3	#	-	-	-	-	-	-	-	-	46	#
19	-	-	-	-	-	-	-	-	-	-	-	-	-	8	#	514	997	149	999	-	-	-	-	-	-	-	671	999
18	-	-	-	-	-	-	-	-	-	-	-	-	30	999	514	965	248	990	-	-	-	-	-	-	-	-	792	993
17	-	-	-	-	-	-	-	-	-	-	-	-	212	998	624	934	519	974	-	-	-	-	-	-	-	-	1355	986
16	-	-	-	-	-	-	-	-	-	-	-	-	378	985	1503	895	530	941	-	-	-	-	-	-	-	-	2411	973
15	-	-	-	-	-	-	-	-	-	1	#	210	961	1425	802	1336	906	-	-	-	-	-	-	-	-	-	2972	950
14	-	-	-	-	-	-	-	-	2	999	270	948	1388	713	1907	820	16	#	-	-	-	-	-	-	-	-	3583	922
13	-	-	-	-	-	-	-	-	2	999	249	931	1481	627	1798	697	128	999	-	-	-	-	-	-	-	-	3658	887
12	-	-	-	-	-	-	-	-	5	999	474	916	1231	535	2153	581	342	991	-	-	-	-	-	-	-	-	4205	853
11	-	-	-	-	-	-	-	-	18	999	450	887	1179	459	2047	442	842	969	-	-	-	-	-	-	-	-	4536	813
10	-	-	-	-	-	-	-	-	56	998	502	859	1068	386	1853	310	1535	915	-	-	-	-	-	-	-	-	5014	769

9	-	-	-	-	-	-	-	-	-	-	76	994	552	828	806	320	1129	191	2167	817	85	#	-	-	4815	722	
8	-	-	-	-	-	-	-	-	-	-	107	988	567	793	790	270	862	118	2528	678	186	986	-	-	5040	676	
7	-	-	-	-	-	-	-	-	-	-	145	981	510	758	969	221	803	62	2959	516	436	955	-	-	5822	628	
6	-	-	-	-	-	-	-	-	-	-	194	970	840	727	715	161	160	10	4047	327	926	883	-	-	6882	573	
5	-	-	-	-	-	1	#	-	-	-	321	956	1327	675	688	116	-	-	1058	68	3564	730	-	-	6959	507	
4	110	#	-	-	-	-	-	422	#	2739	933	6462	592	1180	74	-	-	-	-	851	141	801	#	12565	441		
3	528	852	-	-	-	1383	999	4779	966	8521	736	3100	192	8	*	-	-	-	-	1	1	13	16	18333	321		
2	103	139	529	#	-	2863	787	5637	581	1679	121	-	-	-	-	-	-	-	1	*	-	-	-	-	10812	147	
1	-	-	141	212	650	#	2251	347	1578	127	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	4621	44
0	-	-	1	1	-	-	8	1	4	*	-	-	-	-	-	-	-	-	-	-	-	3	*	-	-	16	*
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	2.9	-	1.7	-	1.0	-	1.9	-	2.3	-	3.3	-	5.9	-	11.5	-	11.9	-	7.7	-	5.3	-	3.9	-	6.7	-	
S.D.	0.4	-	0.4	-	0.1	-	0.6	-	0.7	-	1.1	-	3.6	-	4.2	-	2.8	-	1.8	-	1.0	-	0.2	-	4.5	-	
TOTAL	741	-	671	-	650	-	6506	-	12420	-	13866	-	16141	-	16126	-	15497	-	15623	-	6053	-	814	-	105108	-	
MAX	3.7	-	2.2	-	1.2	-	5.3	-	4.2	-	14.5	-	18.9	-	19.9	-	19.7	-	13.7	-	8.8	-	4.4	-	19.9	-	
DATE	1991010320	1991020900	1991032723	1996042500	1998052420	1998062723	1998072023	1998082719	1983090300	1987100100	2000110111	1990120121	1998082719	-	-	-	-	-	-	-	-	-	-	-	-	-	
MIN	1.8	-	0.4	-	0.5	-	0.3	-	0.3	-	1.6	-	2.6	-	3.4	-	5.6	-	2.0	-	-0.3	-	3.4	-	-0.3	-	
DATE	1991013014	1991022314	1991030514	1993041406	1996050510	1996060911	1982070112	1982080112	1982090315	1998102117	1980112512	1990123116	1980112512	-	-	-	-	-	-	-	-	-	-	-	-	-	

STATION: 45004

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (4/1980 - 11/2001) (102131 RECORDS, 96.6% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
13	-	-	-	-	-	-	-	-	-	1	#	6	#	-	-	-	-	-	-	-	-	-	-	-	-	7	#	
12	-	-	-	-	-	-	-	2	#	2	999	3	999	-	-	-	-	-	-	-	-	-	-	-	-	7	999	
11	-	-	-	-	-	-	1	#	3	999	6	999	9	999	2	#	-	-	-	-	-	-	-	-	-	21	999	
10	-	-	-	-	-	-	1	999	3	999	14	999	20	999	8	999	-	-	-	-	-	-	-	-	-	46	999	
9	-	-	-	-	-	-	4	999	10	999	18	998	51	998	12	999	1	#	-	-	-	-	-	-	-	96	999	
8	1	#	-	-	-	-	7	999	20	999	60	997	124	994	23	999	-	-	-	-	-	-	-	-	-	235	998	
7	3	996	-	-	-	-	12	998	62	997	175	993	276	987	59	997	8	999	-	-	-	-	-	-	-	595	996	
6	6	983	-	-	-	-	32	996	173	992	452	980	646	970	219	994	29	999	7	#	-	-	-	-	-	1564	990	
5	3	958	-	-	-	-	67	990	431	978	969	947	1488	929	537	980	76	998	40	999	10	#	-	-	-	3621	975	
4	1	945	-	-	-	-	136	979	1026	943	2020	876	2698	837	1246	947	258	993	210	997	21	998	12	#	7628	939		
3	2	941	-	-	-	-	298	955	2183	860	3369	728	4299	669	2691	869	955	976	569	984	97	995	15	984	14478	865		
2	4	933	-	-	-	-	755	904	3533	683	4426	482	4164	401	4348	702	2395	914	1492	947	297	979	19	964	21433	723		
1	7	916	-	-	-	-	1867	773	3600	396	1965	158	1807	142	4020	432	3667	760	2858	852	622	930	40	939	20453	513		
0	8	887	-	-	-	-	1423	451	969	104	191	14	426	30	2175	183	3439	523	2826	669	682	827	61	887	12200	313		
-1	11	853	-	-	-	-	535	205	186	26	6	*	49	3	544	48	1944	301	2001	488	519	714	44	806	5839	193		
-2	6	807	-	-	-	-	281	112	96	11	-	-	7	*	131	14	1200	175	1632	360	504	628	59	748	3916	136		
-3	19	782	-	-	-	-	162	64	19	3	-	-	-	-	80	6	910	98	1435	255	590	545	50	671	3265	98		
-4	22	702	-	-	-	-	86	36	15	1	-	-	-	-	15	1	334	39	1129	163	643	447	26	605	2270	66		
-5	18	609	-	-	-	-	59	21	-	-	-	-	-	-	-	157	18	664	91	449	341	38	570	1385	44			
-6	20	534	-	-	-	-	28	11	-	-	-	-	-	-	-	75	7	381	48	412	267	34	520	950	30			
-7	26	450	-	-	-	-	18	6	-	-	-	-	-	-	-	32	3	268	24	376	199	33	476	753	21			
-8	17	340	-	-	-	-	17	3	-	-	-	-	-	-	-	8	1	76	7	282	137	37	432	437	13			
-9	15	269	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	31	2	173	90	32	383	252	9			
-10	1	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	137	61	41	341	180	7			
-11	5	202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	39	25	287	150	5			
-12	5	181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	19	47	254	106	3			
-13	9	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	10	47	192	83	2			
-14	19	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	5	31	130	72	2			
-15	9	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	2	26	90	46	1			
-16	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	55	13	*
-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	40	3	*
-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	36	6	*
-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	28	5	*
-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	21	11	*
-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	5	*
-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	-5.8	-	-	-	-	0.5	-	2.0	-	2.8	-	3.0	-	1.8	-	0.2	-	-0.9	-	-3.2	-	-6.4	-	1.0	-			
S.D.	5.3	-	-	-	-	1.9	-	1.5	-	1.5	-	1.6	-	1.6	-	1.9	-	2.4	-	3.6	-	5.9	-	2.7	-			
TOTAL	238	-	-	-	-	5789	-	12331	-	13674	-	16073	-	16110	-	15489	-	15620	-	6048	-	759	-	102131	-			
MAX	8.0	-	-	-	-	10.7	-	12.3	-	13.1	-	13.4	-	10.8	-	8.7	-	6.2	-	5.1	-	4.0	-	13.4	-			
DATE	1991011703	-	-	-	-	1990042623	1991053003	1996062909	1980070803	1990080816	1990091401	1989100123	1990110123	1990122104	1980070803	-	-	-	-	-	-	-	-	-	-	-		
MIN	-16.2	-	-	-	-	-8.2	-	-4.1	-	-0.8	-	-2.0	-	-4.3	-	-8.5	-	-9.6	-	-15.1	-	-21.3	-	-21.3	-			
DATE	1991010717	-	-	-	-	2000041016	1983051517	1989060608	1998072413	1987083116	2000092710	1999100617	1989112813	1990122609	1990122609	-	-	-	-	-	-	-	-	-	-	-		

STATION: 45004

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (4/1983 - 11/1984) (4213 RECORDS, 4.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	-	-	-	-	-	-	-	-	-	4	#
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	995	-	-	-	-	-	-	-	-	-	28	999
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	957	6	#	-	-	-	-	-	-	-	93	992
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117	839	48	992	-	-	-	-	-	-	-	165	970
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	142	682	70	925	-	-	-	-	-	-	-	212	931
11	-	-	-	-	-	-	-	-	-	-	-	-	4	#	120	490	117	827	2	#	-	-	-	-	-	243	881
10	-	-	-	-	-	-	-	-	-	-	-	-	16	995	100	328	87	664	54	997	-	-	-	-	-	257	823
9	-	-	-	-	-	-	-	-	-	-	-	-	46	973	60	193	75	543	96	925	-	-	-	-	-	277	762
8	-	-	-	-	-	-	-	-	-	-	-	-	48	910	49	112	55	438	89	795	-	-	-	-	-	241	696
7	-	-	-	-	-	-	-	-	-	-	-	-	64	845	30	46	42	361	78	675	-	-	-	-	-	214	639
6	-	-	-	-	-	-	-	-	2	#	-	-	159	758	4	5	32	303	60	570	4	#	-	-	-	261	588
5	-	-	-	-	-	-	-	-	13	997	8	#	228	543	-	-	44	258	39	489	7	987	-	-	-	339	526
4	-	-	-	-	-	-	-	-	88	980	27	771	143	233	-	-	34	197	64	437	25	963	-	-	-	381	446
3	-	-	-	-	-	-	-	-	96	861	-	-	26	39	-	-	37	149	58	350	26	880	-	-	-	243	356
2	-	-	-	-	-	-	8	#	83	731	-	-	3	4	-	-	20	98	28	272	13	794	-	-	-	155	298
1	-	-	-	-	-	52	960	113	619	-	-	-	-	-	-	-	12	70	49	235	14	751	-	-	-	240	261
0	-	-	-	-	-	60	698	102	467	-	-	-	-	-	-	-	8	53	27	168	19	704	-	-	-	216	204
-1	-	-	-	-	-	48	397	66	329	-	-	-	-	-	-	-	14	42	24	132	16	641	-	-	-	168	153
-2	-	-	-	-	-	18	156	39	240	-	-	-	-	-	-	-	13	22	19	100	15	588	-	-	-	104	113
-3	-	-	-	-	-	4	65	34	188	-	-	-	-	-	-	-	3	4	14	74	7	538	-	-	-	62	88
-4	-	-	-	-	-	6	45	23	142	-	-	-	-	-	-	-	-	-	10	55	8	515	-	-	-	47	74
-5	-	-	-	-	-	3	15	17	111	-	-	-	-	-	-	-	-	-	14	42	20	488	-	-	-	54	62
-6	-	-	-	-	-	-	-	28	88	-	-	-	-	-	-	-	-	-	2	23	25	422	-	-	-	55	50
-7	-	-	-	-	-	-	-	32	50	-	-	-	-	-	-	-	-	-	1	20	36	339	-	-	-	69	37
-8	-	-	-	-	-	-	-	5	7	-	-	-	-	-	-	-	-	-	6	19	31	219	-	-	-	42	20
-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	11	21	116	-	-	-	29	10
-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	47	-	-	-	9	3
-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	17	-	-	-	5	1
-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	-	-	-	-	-	-0.3	0.2	4.2	5.6	11.3	8.0	4.6	-3.0	-	-	-	-	-	-	-	-	-	-	-	-	5.0	
S.D.	-	-	-	-	-	1.3	3.1	0.4	1.6	2.1	3.9	4.3	4.8	-	-	-	-	-	-	-	-	-	-	-	-	5.4	
TOTAL	-	-	-	-	-	199	741	35	737	741	717	742	301	-	-	-	-	-	-	-	-	-	-	-	-	4213	
MAX	-	-	-	-	-	2.2	6.0	5.3	10.9	15.7	14.1	10.7	5.7	-	-	-	-	-	-	-	-	-	-	-	-	15.7	
DATE	-	-	-	-	-	1983042713	1983051310	1984062913	1984072303	1984081502	1984091307	1984102722	1984110112	-	-	-	-	-	-	-	-	-	-	-	-	1984081502	
MIN	-	-	-	-	-	-5.0	-7.8	3.5	1.8	5.6	-3.1	-9.2	-11.1	-	-	-	-	-	-	-	-	-	-	-	-	-11.1	
DATE	-	-	-	-	-	1983042422	1983051519	1984063010	1984072823	1984082312	1984092818	1984103106	1984110209	-	-	-	-	-	-	-	-	-	-	-	-	1984110209	

(* < 0.05% , # = 100.0%)

STATION: 45004

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

ELEMENT: AIR - DEW POINT TEMPERATURE (DEGREES C) -- POR: (4/1983 - 11/1984) (4212 RECORDS, 4.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
12	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	2	#
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
10	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	8	#	13	#	2	#	-	-	-	-	24	999
9	-	-	-	-	-	1	995	13	#	-	-	1	997	-	-	19	989	13	982	12	993	-	-	-	-	59	994
8	-	-	-	-	-	2	990	25	982	-	-	-	-	3	#	20	962	32	965	23	953	-	-	-	-	105	980
7	-	-	-	-	-	5	980	44	949	-	-	-	-	3	996	33	934	56	922	53	877	-	-	-	-	194	955
6	-	-	-	-	-	16	955	61	889	-	-	1	996	11	992	56	888	65	846	41	701	-	-	-	-	251	909
5	-	-	-	-	-	27	874	98	807	-	-	4	995	25	977	81	810	63	759	54	565	-	-	-	-	352	849
4	-	-	-	-	-	47	739	121	675	-	-	46	989	42	943	130	697	61	674	44	385	-	-	-	-	491	766
3	-	-	-	-	-	66	503	108	511	1	#	92	927	103	887	154	516	81	592	38	239	-	-	-	-	643	649
2	-	-	-	-	-	26	171	138	366	13	971	222	802	147	748	138	301	135	482	24	113	-	-	-	-	843	496
1	-	-	-	-	-	8	40	133	179	21	600	276	500	210	549	78	109	219	301	10	33	-	-	-	-	955	296
0	-	-	-	-	-	-	-	-	-	-	-	92	125	197	266	-	-	4	5	-	-	-	-	-	-	293	70
MEAN	-	-	-	-	-	3.7	3.6	1.4	1.6	1.7	3.8	3.4	5.1	-	-	-	-	-	-	-	-	-	-	-	-	3.0	
S.D.	-	-	-	-	-	1.5	2.1	0.4	1.2	1.4	2.1	2.5	2.1	-	-	-	-	-	-	-	-	-	-	-	-	2.2	
TOTAL	-	-	-	-	-	199	741	35	736	741	717	742	301	-	-	-	-	-	-	-	-	-	-	-	-	4212	
MAX	-	-	-	-	-	9.9	9.3	2.5	12.4	7.8	10.0	10.4	9.8	-	-	-	-	-	-	-	-	-	-	-	-	12.4	
DATE	-	-	-	-	-	1983042600	1983051700	1984063023	1984072823	1984083011	1984092818	1984103106	1984111201	-	-	-	-	-	-	-	-	-	-	-	-	1984072823	
MIN	-	-	-	-	-	1.1	0.6	0.9	0.2	0.0	0.5	0.4	0.7	-	-	-	-	-	-	-	-	-	-	-	-	0.0	
DATE	-	-	-	-	-	1983043010	1983052500	1984062917	1984071020	1984080221	1984091203	1984101422	1984110112	-	-	-	-	-	-	-	-	-	-	-	-	1984080221	

(* < 0.05% , # = 100.0%)

STATION: 45004

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (4/1980 - 11/2001) (102245 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	
1042	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#
1041	4	991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
1040	2	974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	2	#	-	-	-	6	999
1039	2	965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	10	999	4	999	-	-	-	20	999
1038	7	956	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	16	999	6	999	-	-	-	-	34	999
1037	4	925	-	-	-	-	-	-	-	-	-	-	-	-	-	6	999	23	998	8	998	6	#	-	47	999	
1036	5	907	-	-	-	-	15	#	2	#	-	-	-	-	-	8	999	32	997	23	997	6	992	91	999		
1035	5	885	-	-	-	-	6	997	7	999	-	-	-	-	-	22	999	68	995	25	993	3	984	136	998		
1034	4	863	-	-	-	-	16	996	13	999	-	-	-	-	-	21	997	46	990	31	989	4	980	135	997		
1033	4	846	-	-	-	-	23	994	15	998	-	-	-	-	-	20	996	79	987	34	984	3	975	178	995		
1032	3	828	-	-	-	-	37	990	29	997	-	-	-	-	-	33	994	157	982	47	978	9	971	315	994		
1031	3	815	-	-	-	-	61	983	39	995	-	-	-	-	-	61	992	164	972	37	970	14	959	379	991		
1030	4	802	-	-	-	-	51	973	82	991	4	#	4	#	6	#	79	988	172	962	68	964	9	941	479	987	
1029	4	784	-	-	-	-	77	964	109	985	13	999	12	999	34	999	134	983	295	951	111	953	6	929	795	982	
1028	6	767	-	-	-	-	73	951	140	976	22	999	54	999	48	998	181	975	366	932	96	935	12	921	998	974	
1027	3	740	-	-	-	-	77	938	205	964	34	997	60	996	113	995	235	963	346	909	137	919	30	905	1240	965	
1026	2	727	-	-	-	-	92	925	236	948	115	995	141	992	185	988	286	948	343	886	131	896	23	866	1554	952	
1025	2	718	-	-	-	-	132	909	237	929	206	986	194	983	237	976	386	929	386	864	130	874	16	836	1926	937	
1024	3	709	-	-	-	-	165	886	341	909	317	971	229	971	441	961	454	904	358	840	176	853	17	815	2501	918	
1023	3	696	-	-	-	-	167	858	439	881	450	948	336	957	614	934	579	875	552	817	194	824	19	792	3353	894	
1022	3	683	-	-	-	-	188	829	430	846	501	915	512	936	754	896	552	838	581	782	260	792	18	767	3799	861	
1021	6	670	-	-	-	-	277	797	570	811	586	879	647	905	872	849	593	802	706	744	247	749	18	744	4522	824	
1020	14	643	-	-	-	-	289	749	603	764	763	836	764	865	830	795	623	764	702	699	259	708	23	720	4870	780	
1019	2	581	-	-	-	-	256	699	665	715	713	780	968	817	1221	744	833	724	751	654	191	665	28	690	5628	732	
1018	5	573	-	-	-	-	322	655	718	661	713	728	920	757	1116	668	870	665	606	200	634	25	653	5554	677		
1017	20	551	-	-	-	-	370	600	777	603	772	676	1192	700	1177	599	825	614	679	564	214	601	38	620	6064	623	
1016	12	463	-	-	-	-	381	536	673	539	753	620	1297	627	1183	526	886	561	694	520	252	565	40	570	6171	563	
1015	7	410	-	-	-	-	359	471	684	484	731	565	1181	546	1122	452	771	504	672	476	254	524	52	518	5833	503	
1014	8	379	-	-	-	-	299	409	671	429	826	511	1014	473	1011	383	903	454	669	433	251	482	36	449	5688	446	
1013	7	344	-	-	-	-	299	357	599	374	868	451	1063	411	918	320	842	396	627	390	250	440	45	402	5518	390	
1012	6	313	-	-	-	-	252	306	478	325	831	388	1008	345	818	263	765	341	599	350	206	399	31	343	4994	336	
1011	5	286	-	-	-	-	199	262	500	286	781	327	855	283	709	213	648	292	583	312	248	365	28	302	4556	288	
1010	4	264	-	-	-	-	149	228	398	246	675	270	871	230	618	169	669	250	511	274	253	324	21	265	4169	243	
1009	6	247	-	-	-	-	155	202	365	213	595	221	704	176	494	130	537	207	468	242	212	282	17	238	3553	202	
1008	7	220	-	-	-	-	186	176	415	183	561	177	624	132	404	100	522	172	466	212	152	247	19	216	3356	168	
1007	7	189	-	-	-	-	152	144	287	150	480	136	516	94	326	75	467	139	393	182	152	222	19	191	2799	135	
1006	4	159	-	-	-	-	144	118	256	126	392	101	323	62	224	54	361	108	320	157	180	197	27	166	2231	107	
1005	8	141	-	-	-	-	134	93	188	105	293	72	223	42	180	41	262	85	294	136	142	167	22	130	1746	86	
1004	5	106	-	-	-	-	99	70	149	90	164	51	139	28	130	29	213	68	258	118	136	144	14	101	1307	68	
1003	5	84	-	-	-	-	96	53	196	78	101	39	101	19	102	21	196	55	203	101	105	121	13	83	1118	56	
1002	2	62	-	-	-	-	45	36	153	62	76	32	72	13	83	15	142	42	190	88	79	104	12	66	854	45	
1001	10	53	-	-	-	-	31	28	110	50	66	26	42	9	52	10	127	33	199	76	114	91	6	50	757	36	
1000	2	9	-	-	-	-	28	23	106	41	57	21	37	6	35	7	85	25	177	63	89	72	10	42	626	29	
999	-	-	-	-	-	-	19	18	83	32	48	17	15	4	25	4	50	19	137	52	54	57	6	29	437	23	
998	-	-	-	-	-	-	15	15	71	25	35	14	16	3	19	3	51	16	143	43	35	48	9	21	394	19	
997	-	-	-	-	-	-	10	12	66	19	25	11	7	2	14	2	50	13	101	34	53	42	2	9	328	15	
996	-	-	-	-	-	-	9	11	58	14	24	9	7	1	10	1	38	9	100	28	44	34	4	7	294	12	
995	-	-	-	-	-	-	17	9	48	9	29	8	7	1	4	*	27	7	88	21	27	26	1	1	248	9	
994	-	-	-	-	-	-	5	6	43	5	26	5	4	*	-	-	18	5	62	15	16	22	-	-	174	6	
993	-	-	-	-	-	-	10	5	20	2	15	4	3	*	-	-	7	4	37	12	20	19	-	-	112	5	
992	-	-	-	-	-	-	7	4	4	*	14	2	-	-	-	-	11	3	22	9	30	16	-	-	88	3	
991	-	-	-	-	-	-	1	2	-	-	6	1	-	-	-	-	11	3	25	8	34	11	-	-	77	3	
990	-	-	-	-	-	-	1	2	-	-	2	1	-	-	-	-	8	2	16	6	8	5	-	-	35	2	
989	-	-	-	-	-	-	2	2	-	-	4	1	-	-	-	-	2	2	13	5	2	4	-	-	23	1	
988	-	-	-	-	-	-	4	2	-	-	5	1	-	-	-	-	3	1	12	4	2	4	-	-	26	1	
987	-	-	-	-	-	-	1	1	-	-	2	*	-	-	-	-	2	1	6	4	3	3	-	-	14	1	
986	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	4	3	2	3	-	-	10	1	
985	-	-	-	-	-	-	1	*	-	-	-	-	-	-	-	-	3	1	2	3	1	3	-	-	7	1	
984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4	3	5	2	-	-	12	1	
983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	5	2	6	2	-	-	14	1	
982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	5	2	-	-	-	-	11	*	
981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	6	2	1	1	-	-	9	*	
980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	2	*	-	-	8	*	
979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1	1	*	-	-	8	*	
978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1	-	-	-	-	7	*	
977	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*	-	-	-	-	3		

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (4/1980 - 11/2001) (97440 RECORDS, 92.2% 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
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	1	#	-	-	4	999
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	-	-	-	-	3	999
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	4	999	-	-	-	-	-	5	999
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	999	1	999	-	-	13	999
34	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	13	998	3	999	-	-	17	999
33	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	2	999	30	997	8	999	-	-	41	999	
32	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	2	999	29	995	14	997	2	#	50	999	
31	-	-	-	-	-	-	5	999	1	999	-	-	-	-	-	8	999	30	993	23	994	3	972	70	999	
30	-	-	-	-	-	-	8	999	1	999	1	#	-	-	-	7	999	41	991	26	989	3	931	87	998	
29	-	-	-	-	-	-	9	997	2	999	1	999	-	-	1	#	6	999	51	988	28	984	1	889	99	997
28	-	-	-	-	-	-	34	996	7	999	5	999	-	-	1	999	14	998	57	984	31	978	1	875	150	996
27	-	-	-	-	-	-	23	990	8	999	-	-	1	#	3	999	21	997	85	980	54	971	-	-	195	994
26	-	-	-	-	-	-	38	986	18	998	2	999	6	999	6	999	42	996	119	974	48	959	4	861	283	992
25	-	-	-	-	-	-	47	980	20	997	7	999	2	999	9	999	55	993	143	965	79	949	1	806	363	990
24	-	-	-	-	-	-	43	972	30	995	6	999	9	999	11	999	67	989	156	955	51	932	2	792	375	986
23	-	-	-	-	-	-	54	965	39	993	12	998	11	999	27	998	130	984	219	943	122	921	4	764	618	982
22	-	-	-	-	-	-	63	957	56	990	17	998	12	998	37	996	150	975	254	927	110	895	5	708	704	976
21	-	-	-	-	-	-	83	946	91	985	19	996	20	997	63	994	208	965	321	908	186	871	2	639	993	968
20	-	-	-	-	-	-	90	933	95	978	33	995	25	996	52	990	282	951	354	885	166	831	6	611	1103	958
19	-	-	-	-	-	-	138	918	175	970	60	993	70	995	163	987	404	931	602	859	250	795	4	528	1866	947
18	-	-	-	-	-	-	148	895	161	956	94	988	71	990	172	977	475	903	659	815	259	741	-	-	2039	928
17	-	-	-	-	-	-	176	871	204	943	116	981	93	986	167	966	462	871	521	767	222	685	2	472	1963	907
16	-	-	-	-	-	-	192	842	296	926	191	973	180	980	258	956	693	839	748	729	340	637	3	444	2901	887
15	-	-	-	-	-	-	205	811	321	902	270	959	211	969	302	940	625	791	696	674	244	564	1	403	2875	857
14	-	-	-	-	-	-	287	777	518	876	397	940	376	956	501	921	835	748	832	623	308	511	1	389	4055	827
13	-	-	-	-	-	-	279	730	579	834	496	911	510	933	541	890	790	690	705	562	225	445	6	375	4131	786
12	-	-	-	-	-	-	420	684	819	788	833	875	857	901	1002	857	1166	636	1059	510	317	396	3	292	6476	743
11	-	-	-	-	-	-	349	616	738	721	816	815	844	848	930	795	911	555	676	433	213	328	3	250	5480	677
10	-	-	-	-	-	-	454	558	904	661	1162	756	1201	796	1251	737	1146	492	863	383	261	282	4	208	7246	621
9	-	-	-	-	-	-	397	484	898	588	1087	672	1254	722	1259	659	898	413	639	320	170	226	1	153	6603	546
8	-	-	-	-	-	-	470	419	1012	516	1343	594	1668	644	1481	581	1046	351	754	273	188	189	3	139	7965	479
7	-	-	-	-	-	-	344	342	1010	434	1229	497	1476	541	1372	490	766	279	537	218	119	149	-	-	6853	397
6	-	-	-	-	-	-	400	285	1094	352	1496	408	1843	449	1629	405	862	226	669	179	152	123	3	97	8148	326
5	-	-	-	-	-	-	400	220	1129	263	1449	300	1751	335	1549	304	787	166	534	130	139	90	-	-	7738	243
4	-	-	-	-	-	-	388	154	843	172	1087	195	1441	227	1296	208	613	112	480	91	105	60	-	-	6253	163
3	-	-	-	-	-	-	197	91	506	103	640	117	801	138	718	127	354	70	258	56	63	38	1	56	3538	99
2	-	-	-	-	-	-	205	59	389	63	507	70	705	88	625	83	306	45	273	37	43	24	1	42	3054	63
1	-	-	-	-	-	-	59	25	178	31	216	34	296	45	277	44	144	24	79	17	39	15	1	28	1289	32
0	-	-	-	-	-	-	93	15	205	17	253	18	425	26	434	27	205	14	148	11	29	6	1	14	1793	18
MEAN	-	-	-	-	-	-	10.4		8.9		7.9		7.4		8.0		10.9		12.8		14.4		17.7		9.6	
S.D.	-	-	-	-	-	-	5.9		4.8		4.0		3.9		4.4		5.4		6.4		6.5		8.2		5.5	
TOTAL	-	-	-	-	-	-	6102		12348		13845		16159		16137		14483		13657		4637		72		97440	
MAX	-	-	-	-	-	-	33.0		33.8		30.3		27.0		29.2		35.8		40.6		38.3		32.1		40.6	
DATE	-	-	-	-	-	-	2001042202		1988051309		1999060517		1997070218		1987082208		1992092817		1993102117		1999110200		1989120300		1993102117	
MIN	-	-	-	-	-	-	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.4		0.0	
DATE	-	-	-	-	-	-	2000042713		1999052813		1998061602		2001072707		1999082608		1999091613		1997101601		1989110316		1989120320		2001072707	

(* < 0.05% , # = 100.0%)

STATION: 45004

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

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

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (4/1980 - 11/2001) (97354 RECORDS, 92.1% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	-	-	2	#	
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
48	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
47	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	3	999	2	#	-	-	6	999
46	-	-	-	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	-	3	999	1	999	-	-	7	999
45	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	9	999	-	-	-	-	11	999
44	-	-	-	-	-	-	-	-	-	3	999	-	-	-	-	-	1	#	4	999	3	999	-	-	-	11	999
43	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	2	999	18	998	3	999	-	-	25	999	
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	999	10	997	7	998	-	-	23	999	
41	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	4	999	19	996	17	997	1	#	42	999	
40	-	-	-	-	-	-	1	999	1	999	1	#	-	-	1	#	3	999	39	995	19	993	-	-	65	999	
39	-	-	-	-	-	-	6	999	1	999	-	-	-	-	-	-	10	999	37	992	17	989	3	986	74	998	
38	-	-	-	-	-	-	7	999	3	999	2	999	-	-	-	-	7	998	35	989	9	985	2	944	65	997	
37	-	-	-	-	-	-	3	998	3	999	-	-	-	-	-	-	15	998	42	987							

35	-	-	-	-	-	-	-	16	996	3	998	1	999	1	#	1	999	13	996	66	982	32	969	2	901	135	995
34	-	-	-	-	-	-	-	26	993	6	998	3	999	3	999	3	999	20	995	79	977	27	962	1	873	168	993
33	-	-	-	-	-	-	-	38	989	13	998	6	999	3	999	2	999	22	994	110	971	61	956	1	859	256	992
32	-	-	-	-	-	-	-	37	983	12	997	2	999	7	999	5	999	44	992	110	963	52	943	1	845	270	989
31	-	-	-	-	-	-	-	26	977	19	996	1	999	-	-	7	999	63	989	125	955	67	932	2	831	310	986
30	-	-	-	-	-	-	-	32	972	32	994	12	999	6	999	8	999	61	985	141	946	75	918	-	-	367	983
29	-	-	-	-	-	-	-	46	967	31	991	4	998	10	999	14	998	109	980	185	935	100	901	5	803	504	979
28	-	-	-	-	-	-	-	37	959	44	989	10	998	7	998	15	997	115	973	177	922	91	880	4	732	500	974
27	-	-	-	-	-	-	-	60	953	43	985	20	997	16	998	38	996	142	965	253	909	155	860	3	676	730	969
26	-	-	-	-	-	-	-	63	944	78	982	21	995	14	997	41	994	199	955	288	890	190	827	6	634	900	961
25	-	-	-	-	-	-	-	81	933	100	976	26	994	23	996	72	992	258	941	322	869	213	786	2	549	1097	952
24	-	-	-	-	-	-	-	72	920	94	967	33	992	28	994	56	987	302	924	328	846	169	740	3	521	1085	941
23	-	-	-	-	-	-	-	99	908	107	960	47	990	39	993	111	984	345	903	445	821	226	703	1	479	1420	930
22	-	-	-	-	-	-	-	122	892	139	951	58	986	39	990	128	977	361	879	410	789	174	654	1	465	1432	915
21	-	-	-	-	-	-	-	148	872	178	940	100	982	84	988	151	969	454	854	580	759	244	617	1	451	1940	900
20	-	-	-	-	-	-	-	142	848	171	925	121	975	72	983	171	959	437	823	480	716	175	564	2	437	1771	881
19	-	-	-	-	-	-	-	196	824	311	912	209	966	161	978	285	949	637	792	769	681	324	526	2	408	2894	862
18	-	-	-	-	-	-	-	166	792	310	886	233	951	228	968	325	931	668	748	674	625	235	456	2	380	2841	833
17	-	-	-	-	-	-	-	192	765	323	861	288	934	224	954	335	911	544	702	564	575	149	406	4	352	2623	803
16	-	-	-	-	-	-	-	243	733	433	835	381	913	349	940	464	890	731	665	678	534	198	373	3	296	3480	776
15	-	-	-	-	-	-	-	261	694	481	800	423	886	413	919	479	861	642	614	597	484	165	331	2	254	3463	741
14	-	-	-	-	-	-	-	298	651	567	761	568	855	628	893	727	832	779	570	668	441	192	295	3	225	4430	705
13	-	-	-	-	-	-	-	295	602	571	715	679	814	631	854	730	787	703	516	563	392	145	254	3	183	4320	660
12	-	-	-	-	-	-	-	402	554	842	669	1007	765	1088	815	1169	741	978	467	770	350	205	222	2	141	4663	615
11	-	-	-	-	-	-	-	303	488	694	601	835	692	945	748	952	669	694	400	492	294	102	178	1	113	5018	549
10	-	-	-	-	-	-	-	388	438	866	544	1139	632	1342	689	1244	610	869	352	625	258	127	156	-	-	6600	497
9	-	-	-	-	-	-	-	311	374	822	474	1044	550	1275	606	1091	533	640	292	442	212	99	128	2	99	5726	430
8	-	-	-	-	-	-	-	353	323	913	407	1212	474	1495	527	1304	465	747	247	539	180	112	107	2	70	6677	371
7	-	-	-	-	-	-	-	284	265	856	333	1136	387	1483	434	1256	384	593	196	387	140	83	83	-	-	6078	302
6	-	-	-	-	-	-	-	361	219	949	264	1309	304	1612	343	1328	306	640	155	458	112	90	65	-	-	6747	240
5	-	-	-	-	-	-	-	332	160	903	187	1175	210	1457	243	1280	224	552	110	356	78	84	46	-	-	6139	170
4	-	-	-	-	-	-	-	287	105	628	114	793	125	1145	152	1001	144	452	72	332	52	42	27	1	42	4681	107
3	-	-	-	-	-	-	-	149	58	336	63	411	68	509	82	513	82	210	41	149	28	31	18	1	28	2309	59
2	-	-	-	-	-	-	-	132	34	248	36	310	38	450	50	424	50	209	27	144	17	37	12	1	14	1955	36
1	-	-	-	-	-	-	-	28	12	71	16	90	15	123	22	139	24	63	12	30	7	10	4	-	-	554	16
0	-	-	-	-	-	-	-	45	7	123	10	124	9	234	14	251	16	112	8	59	4	7	2	-	-	955	10
MEAN	-	-	-	-	-	-	-	12.7	10.8	9.5	8.8	9.7	13.8	16.3	19.1	22.6	11.8										
S.D.	-	-	-	-	-	-	-	7.4	6.1	4.8	4.5	5.3	7.0	8.1	8.2	9.5	7.0										
TOTAL	-	-	-	-	-	-	-	6097	12338	13836	16144	16122	14468	13647	4631	71	97354										
MAX	-	-	-	-	-	-	-	40.6	48.0	39.7	35.2	40.4	43.9	49.8	46.9	40.8	49.8										
DATE	-	-	-	-	-	-	-	2001042202	1990051020	1990060322	1982071200	1994082803	1992092817	1993102117	1984110210	1989120223	1993102117										
MIN	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										
DATE	-	-	-	-	-	-	-	2000042713	1999052714	1998061602	2001072707	1999082608	1999091613	1997101601	1987110313	1989120320	2001072707										

(* < 0.05% , # = 100.0%)

STATION: 45004

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (4/1996 - 11/2001) (26636 RECORDS, 16.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
49	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	2	#	-	-	-	-	3	#	
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	2	999	
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999	1	#	-	-	5	999	
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	2	997	-	-	-	-	3	999	
45	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	7	997	1	998	-	-	9	999	
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	994	2	997	-	-	9	999	
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	992	3	993	-	-	14	999	
42	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	1	#	7	988	3	988	-	-	12	998	
41	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	7	986	5	983	-	-	13	998	
40	-	-	-	-	-	-	-	5	999	-	-	-	-	-	-	-	-	-	10	983	-	-	-	-	15	997	
39	-	-	-	-	-	-	-	4	998	-	-	-	-	-	-	-	-	-	14	980	4	974	-	-	22	997	
38	-	-	-	-	-	-	-	7	996	-	-	2	999	2	999	-	-	-	16	975	12	967	-	-	39	996	
37	-	-	-	-	-	-	-	3	993	1	#	2	999	-	-	1	999	3	999	15	969	5	947	-	-	30	995
36	-	-	-	-	-	-	-	12	992	1	999	1	999	1	999	2	999	3	999	22	964	15	938	-	-	57	993
35	-	-	-	-	-	-	-	19	987	2	999	1	998	1	999	1	999	1	998	20	957	2	913	-	-	47	991
34	-	-	-	-	-	-	-	16	980	4	999	2	998	2	999	2	999	6	998	16	950	9	909	-	-	57	989
33	-	-	-	-	-	-	-	11	973	5	998	1	998	3	998	4	998	12	996	33	944	12	894	-	-	81	987
32	-	-	-	-	-	-	-	15	969	6	996	4	997	5	998	11	998	15	993	30	933	13	873	-	-	99	984
31	-	-	-	-	-	-	-	16	963	13	995	1	996	1	997	6	995	30	989	42	923						

23	-	-	-	-	-	-	45	877	38	935	23	980	27	980	42	959	144	832	148	728	38	471	-	-	505	901
22	-	-	-	-	-	-	49	859	53	925	28	974	41	974	65	949	134	793	159	677	22	406	-	-	551	882
21	-	-	-	-	-	-	58	839	73	910	55	968	43	965	69	935	154	757	155	623	24	368	-	-	631	861
20	-	-	-	-	-	-	74	816	90	891	56	954	50	955	82	920	135	716	162	570	21	327	-	-	670	838
19	-	-	-	-	-	-	68	787	115	866	85	941	84	944	113	902	169	680	176	514	27	291	-	-	837	813
18	-	-	-	-	-	-	60	759	121	835	109	921	104	926	112	876	147	634	158	453	11	245	-	-	822	781
17	-	-	-	-	-	-	71	735	141	802	130	895	112	903	121	852	136	595	124	399	12	226	-	-	847	750
16	-	-	-	-	-	-	77	707	141	763	152	864	172	878	164	825	183	559	121	357	10	205	-	-	1020	719
15	-	-	-	-	-	-	112	676	147	725	172	828	178	840	206	788	183	510	95	315	18	188	-	-	1111	680
14	-	-	-	-	-	-	114	631	166	685	212	788	248	800	206	743	161	460	91	282	13	158	-	-	1211	639
13	-	-	-	-	-	-	112	585	184	640	242	737	271	745	246	697	196	417	100	251	16	135	-	-	1367	593
12	-	-	-	-	1	#	132	540	272	590	325	680	384	685	306	643	245	365	106	217	17	108	-	-	1788	542
11	-	-	-	-	-	-	98	487	265	516	283	603	335	600	340	575	182	299	88	180	9	79	-	-	1600	475
10	-	-	-	-	-	-	141	448	305	443	352	536	396	526	352	499	161	250	65	150	5	63	-	-	1777	415
9	-	-	-	-	-	-	145	391	283	360	399	452	431	439	374	421	172	207	79	128	9	55	-	-	1892	348
8	-	-	-	-	-	-	165	333	273	283	406	358	396	343	355	338	171	161	56	101	5	39	-	-	1827	277
7	-	-	-	-	-	-	162	267	230	209	398	262	414	256	373	260	122	115	66	81	8	31	-	-	1773	208
6	-	-	-	-	-	-	145	202	220	146	307	167	309	164	295	177	121	82	60	59	1	17	-	-	1458	142
5	-	-	-	-	-	-	171	144	198	86	261	95	261	96	318	112	101	50	73	38	6	15	-	-	1389	87
4	-	-	-	-	-	-	87	75	79	32	93	33	106	38	108	41	43	23	25	13	2	5	-	-	543	35
3	-	-	-	-	-	-	51	40	29	11	29	11	46	14	57	17	29	11	10	4	1	2	-	-	252	14
2	-	-	-	-	-	-	34	20	9	3	12	4	17	4	19	4	10	3	3	1	-	-	-	-	104	5
1	-	-	-	-	-	-	11	6	1	1	2	1	2	*	1	*	3	1	-	-	-	-	-	-	20	1
0	-	-	-	-	-	-	4	2	1	*	2	*	-	-	-	-	-	-	-	-	-	-	-	-	7	*
MEAN	-	-	-	-	11.5	13.4	12.5	11.0	11.0	11.5	15.9	19.3	23.4	-	-	-	-	-	-	-	-	-	-	-	13.4	-
S.D.	-	-	-	-	0.0	8.0	6.1	5.0	4.9	5.6	7.0	8.3	8.1	-	-	-	-	-	-	-	-	-	-	-	7.1	-
TOTAL	-	-	-	-	1	2492	3672	4219	4518	4510	3729	2911	584	-	-	-	-	-	-	-	-	-	-	-	26636	-
MAX	-	-	-	-	11.5	40.8	37.1	49.0	44.5	46.1	41.6	48.6	46.5	-	-	-	-	-	-	-	-	-	-	-	49.0	-
DATE	-	-	-	-	1999033123	2000040921	1996051809	1997062401	1999070510	1996080711	1999093022	1999102309	1999110123	-	-	-	-	-	-	-	-	-	-	-	1997062401	-
MIN	-	-	-	-	11.5	0.0	0.0	0.0	1.4	1.0	1.0	1.7	3.3	-	-	-	-	-	-	-	-	-	-	-	0.0	-
DATE	-	-	-	-	1999033123	1999041400	1998052404	1998061418	1998071105	1997082923	1999091613	1997100302	2001110505	-	-	-	-	-	-	-	-	-	-	-	1999041400	-

(* < 0.05% , # = 100.0%)

STATION: 45004

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (4/1980 - 11/2001) (96324 RECORDS, 91.1% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	-	-	-	-	3	#
6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	-	-	-	-	3	999
6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	999	3	#	-	-	15	999
5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	999	6	999	-	-	20	999
5.0	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	8	#	52	998	35	998	-	-	97	999	
4.5	2	#	-	-	-	4	999	1	#	-	-	-	-	-	10	999	66	994	39	991	1	#	123	999		
4.0	5	997	-	-	2	#	7	999	6	999	-	-	-	-	36	999	85	989	65	984	8	999	214	997		
3.5	20	991	10	#	7	997	25	998	12	999	-	-	3	#	-	37	996	136	983	141	971	15	989	406	995	
3.0	43	963	19	985	19	986	62	994	16	998	3	#	5	999	3	#	90	993	324	974	247	943	45	970	876	991
2.5	85	905	33	957	24	956	138	984	73	997	9	999	14	999	30	999	248	987	670	951	432	895	126	915	1882	982
2.0	141	790	64	907	37	919	213	962	210	991	50	999	32	999	185	998	698	969	1182	903	755	810	149	759	3716	962
1.5	144	598	91	812	57	861	493	928	579	972	275	995	180	996	515	986	1810	919	2249	819	1066	662	189	575	7648	924
1.0	163	403	149	676	141	772	1238	850	1468	922	1042	973	885	984	1784	952	3467	790	3796	660	1209	453	161	342	15503	844
0.5	114	182	239	454	243	552	2377	653	4656	795	4897	888	5673	925	6694	834	5716	542	4518	391	985	216	114	143	36226	683
0.0	20	27	65	97	110	172	1732	275	4530	392	6087	492	8073	543	5992	394	1875	134	992	70	114	22	2	2	29592	307
MEAN	1.6	1.6	1.1	1.1	0.9	0.9	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.8	0.8	1.1	1.1	1.5	1.5	1.7	1.7	0.7	0.7	
S.D.	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.6	0.6	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.7	
TOTAL	737	737	670	670	640	640	6291	11551	12363	14865	15203	13995	14102	5097	5097	810	810	96324	96324	96324	96324	96324	96324	96324	96324	
MAX	4.7	4.7	3.6	3.6	3.8	3.8	5.1	4.5	3.1	3.4	3.0	3.0	5.0	6.9	6.9	6.2	4.4	6.9	6.9	6.9	6.2	4.4	4.4	6.9	6.9	
DATE	1991012300	1991021506	1991032809	2000040921	1988051312	2001061915	1982071200	1994082814	1992092820	1981101819	1982111222	1989120222	1981101819	1982111222	1989120222	1981101819	1982111222	1989120222	1981101819	1982111222	1989120222	1981101819	1982111222	1989120222	1981101819	
MIN	0.1	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
DATE	1991011606	1991022715	1991032013	2001042821	2001053123	2001062905	2001073112	2001082907	2001093003	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	

(* < 0.05% , # = 100.0%)

STATION: 45004

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (4/1980 - 11/2001) (96322 RECORDS, 91.1% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	#	9	#	-	-	32	#	
7	13	#	3	#	4	#	15	#	4	#	-	-	-	-	-	37	#	206	998	126	998	8	#	416	999		
6	158	982	60	996	53	994	160	998	75	999	9	#	10	#	3												

4	238	354	318	643	319	722	2439	866	3684	935	2792	978	2950	985	4768	953	6653	818	6808	699	1915	504	235	336	33119	859	
3	23	31	104	169	128	223	2200	478	4855	616	5915	752	8297	786	7220	640	4135	343	2832	216	642	129	37	46	36388	515	
2	-	-	9	13	15	23	12	128	108	196	151	273	234	228	174	165	29	47	30	15	5	3	-	-	767	138	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	130
0	-	-	-	-	-	-	794	126	2154	186	3227	261	3160	213	2332	153	631	45	182	13	9	2	-	-	12489	130	
MEAN		4.8		4.2		4.1		3.3		2.9		2.4		2.5		2.9		3.7		4.1		4.5		4.8		3.2	
S.D.		0.8		0.9		0.9		1.4		1.5		1.5		1.4		1.3		1.0		1.0		0.9		0.7		1.4	
TOTAL		737		670		640		6291		11551		12361		14865		15203		13995		14102		5097		810		96322	
MAX		7.3		6.5		6.8		7.4		7.1		5.9		5.7		6.1		7.1		8.2		7.8		6.7		8.2	
DATE	1991012301	1991021509	1991032809	2000040921	1988051312	2001061915	1998072200	1988080607	1992092819	1985102410	1999110203	1990122302	1985102410	1999110203	1990122302	1985102410	1999110203	1990122302	1985102410	1999110203	1990122302	1985102410	1999110203	1990122302	1985102410		
MIN		2.7		2.2		2.2		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		2.7		0.0	
DATE	1991011608	1991022715	1991031818	2001042821	2001053123	2001062905	2001073112	2001082907	2001093003	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806		

(* < 0.05% , # = 100.0%)

STATION: 45004

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (4/1980 - 11/2001) (96320 RECORDS, 91.1% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	999	1	#	-	-	3	999	
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	999	22	999	-	-	46	999	
9	4	#	-	-	1	#	7	#	4	#	-	-	-	-	-	-	32	#	128	998	71	995	2	#	249	999	
8	57	995	32	#	33	998	79	999	42	999	2	#	6	#	5	999	152	998	480	989	379	982	55	998	1322	997	
7	159	917	70	952	43	947	210	986	157	996	33	999	47	999	147	999	573	987	1196	955	784	907	251	930	3670	983	
6	227	701	116	848	72	880	610	953	690	982	328	997	255	996	691	990	2042	946	2832	870	1475	753	239	620	9577	945	
5	172	393	185	675	173	767	1339	856	1749	923	1245	971	1215	979	2101	944	3667	800	3953	669	1232	464	159	325	17190	846	
4	107	160	202	399	212	497	1721	643	3400	771	3436	870	4047	898	4877	806	4463	538	3567	389	797	222	89	128	26918	667	
3	11	15	52	97	87	166	1509	370	3216	477	3896	592	5814	625	4847	485	2389	219	1679	136	314	66	14	19	23828	388	
2	-	-	13	19	19	30	22	130	138	198	196	277	321	234	200	167	46	48	58	17	13	4	1	1	1027	140	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	130
0	-	-	-	-	-	-	794	126	2154	186	3227	261	3160	213	2332	153	631	45	182	13	9	2	-	-	12489	130	
MEAN		5.8		4.9		4.7		3.8		3.2		2.7		2.8		3.2		4.3		4.9		5.6		5.9		3.7	
S.D.		1.2		1.3		1.3		1.8		1.8		1.8		1.6		1.6		1.5		1.4		1.4		1.2		1.9	
TOTAL		737		670		640		6291		11550		12363		14865		15201		13995		14101		5097		810		96320	
MAX		9.1		8.3		9.1		9.1		9.1		7.7		7.7		11.1		9.1		12.5		11.1		9.1		12.5	
DATE	1991012717	1991021513	1991032811	2000041000	1991050110	2001061918	1998072200	1991080923	1997092502	1985102410	1982111223	1990122303	1985102410	1982111223	1990122303	1985102410	1982111223	1990122303	1985102410	1982111223	1990122303	1985102410	1982111223	1990122303	1985102410		
MIN		2.6		2.0		2.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		2.3		0.0	
DATE	1991011610	1991021801	1991032012	2001042821	2001053123	2001062905	2001073112	2001082907	2001093003	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806	1993110118	1990121107	2001100806		

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: 45004

- (A) TOTAL STDNET RECORDS READ = 105736
- (B) TOTAL CWIND RECORDS READ = 162594
- (C) TOTAL RECORDS USED IN STATS = 268330

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	102218	105108	102131	4213	102245	97440	97354	26636	96324	96322	96320	0
(E) ELEMENT OUT OF RANGE	3518	628	3605	101523	3491	8296	8382	135958	9412	9414	9416	105736

STATION: 45004 -- POR (4/1980 - 11/2001)

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

ELEMENT: AIR TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	3.8	5.3	5.7	9.7	16.0	12.0	5.2	1.9	-	8.2
	MAXIMUM	-	-	-	6.4	14.3	11.7	17.0	20.3	19.5	12.4	7.2	-	20.3
	DAY-HR	-	-	-	30-22	22-22	25-20	08-03	23-21	09-00	17-21	22-22	-	AUG
	MINIMUM	-	-	-	1.9	1.4	2.9	5.0	13.0	3.1	-0.6	-3.5	-	-3.5
	DAY-HR	-	-	-	27-16	07-18	08-14	02-09	03-10	26-12	28-02	10-07	-	NOV
	# OBS	-	-	-	105	536	718	742	742	713	723	591	-	4870
1981	MEAN	-	-	-	-	5.1	6.1	8.3	14.6	11.9	5.0	4.6	-	8.6
	MAXIMUM	-	-	-	-	10.4	11.1	16.9	18.8	19.4	10.2	8.2	-	19.4
	DAY-HR	-	-	-	-	24-09	14-07	07-22	31-23	01-03	13-22	05-01	-	SEP
	MINIMUM	-	-	-	-	1.4	2.9	4.2	9.1	3.7	-3.0	-0.8	-	-3.0
	DAY-HR	-	-	-	-	28-11	07-10	05-07	03-06	28-19	24-04	09-11	-	OCT
	# OBS	-	-	-	-	293	711	741	743	715	720	257	-	4180
1982	MEAN	-	-	-	-	4.1	4.7	6.9	7.8	8.9	7.5	2.2	-	6.4

	MAXIMUM	-	-	-	-	8.0	8.7	13.2	13.7	14.1	11.6	7.5	-	14.1
	DAY-HR	-	-	-	-	11-22	24-19	06-11	18-22	12-01	18-21	01-04	-	SEP
	MINIMUM	-	-	-	-	1.2	1.7	3.9	4.3	5.4	0.4	-7.4	-	-7.4
	DAY-HR	-	-	-	-	09-10	03-10	31-09	05-09	16-02	21-02	13-18	-	NOV
	# OBS	-	-	-	-	567	709	728	733	719	740	394	-	4590
1983	MEAN	-	-	-	3.4	3.8	6.5	11.6	17.7	14.8	8.6	4.0	-	9.8
	MAXIMUM	-	-	-	8.0	8.8	10.9	18.7	22.2	22.6	16.4	9.5	-	22.6
	DAY-HR	-	-	-	27-00	13-07	26-11	27-22	19-18	03-20	01-23	02-03	-	SEP
	MINIMUM	-	-	-	0.7	-1.7	3.1	4.7	13.0	6.3	3.0	-3.5	-	-3.5
	DAY-HR	-	-	-	24-19	15-17	18-06	06-05	09-16	23-05	14-08	11-16	-	NOV
	# OBS	-	-	-	199	741	695	698	733	708	739	323	-	4836
1984	MEAN	-	-	-	-	-	5.7	7.3	13.0	11.8	8.0	2.1	-	9.2
	MAXIMUM	-	-	-	-	-	6.7	14.4	17.4	16.8	12.0	7.4	-	17.4
	DAY-HR	-	-	-	-	-	30-23	29-00	15-00	08-07	17-08	08-02	-	AUG
	MINIMUM	-	-	-	-	-	4.7	3.8	6.8	3.8	1.0	-4.4	-	-4.4
	DAY-HR	-	-	-	-	-	30-10	20-07	01-10	26-08	31-10	02-11	-	NOV
	# OBS	-	-	-	-	-	35	736	741	717	742	302	-	3273
1985	MEAN	-	-	-	-	-	-	7.5	13.0	12.4	7.6	2.5	-	9.4
	MAXIMUM	-	-	-	-	-	-	14.4	19.0	18.7	12.2	9.7	-	19.0
	DAY-HR	-	-	-	-	-	-	29-00	09-23	20-00	14-02	01-19	-	AUG
	MINIMUM	-	-	-	-	-	-	4.5	8.7	7.1	2.4	-5.9	-	-5.9
	DAY-HR	-	-	-	-	-	-	16-18	01-14	29-11	16-14	10-18	-	NOV
	# OBS	-	-	-	-	-	-	674	743	716	734	312	-	3179
1986	MEAN	-	-	-	-	-	5.9	7.3	11.5	10.3	6.2	-0.5	-	7.5
	MAXIMUM	-	-	-	-	-	10.9	14.6	16.6	14.4	12.4	9.3	-	16.6
	DAY-HR	-	-	-	-	-	22-08	18-03	16-22	01-02	01-23	08-18	-	AUG
	MINIMUM	-	-	-	-	-	3.6	4.0	7.6	5.2	-1.5	-10.2	-	-10.2
	DAY-HR	-	-	-	-	-	25-10	03-10	27-09	07-11	30-13	13-09	-	NOV
	# OBS	-	-	-	-	-	295	740	741	716	742	429	-	3663
1987	MEAN	-	-	-	3.7	4.6	6.9	12.5	15.8	14.3	5.8	3.3	-	9.0
	MAXIMUM	-	-	-	9.0	9.7	13.7	19.3	19.8	17.6	12.5	8.4	-	19.8
	DAY-HR	-	-	-	20-20	09-09	23-01	29-21	16-22	06-04	01-23	03-23	-	AUG
	MINIMUM	-	-	-	1.2	1.2	2.7	7.1	10.1	7.7	1.0	-2.4	-	-2.4
	DAY-HR	-	-	-	23-15	23-07	05-14	01-06	31-15	30-17	21-16	09-10	-	NOV
	# OBS	-	-	-	534	742	718	740	734	670	736	235	-	5109
1988	MEAN	-	-	-	1.5	4.1	6.0	9.7	14.5	12.3	5.7	2.5	-	7.6
	MAXIMUM	-	-	-	4.8	9.5	13.1	17.4	19.1	16.9	13.3	5.6	-	19.1
	DAY-HR	-	-	-	03-03	31-01	07-05	29-17	12-04	03-00	01-11	04-12	-	AUG
	MINIMUM	-	-	-	-4.2	-0.3	2.7	4.3	12.0	7.1	-2.6	-0.7	-	-4.2
	DAY-HR	-	-	-	18-14	12-11	17-12	02-10	28-14	28-18	29-20	02-14	-	APR
	# OBS	-	-	-	668	743	717	741	739	717	744	172	-	5241
1989	MEAN	-	-	-	2.0	3.3	4.5	6.6	9.5	12.6	5.8	-0.8	-5.6	5.4
	MAXIMUM	-	-	-	4.8	10.5	10.2	12.1	15.6	16.0	12.1	6.6	1.5	16.0
	DAY-HR	-	-	-	30-02	29-01	27-00	10-05	11-22	20-00	01-23	05-18	02-05	SEP
	MINIMUM	-	-	-	0.2	-1.7	1.3	3.6	5.1	4.3	0.0	-11.1	-11.3	-11.3
	DAY-HR	-	-	-	30-20	02-07	06-10	17-05	07-12	23-01	08-17	28-13	03-10	DEC
	# OBS	-	-	-	136	732	715	737	730	531	736	716	70	5103
1990	MEAN	-	-	-	3.8	4.2	6.4	8.0	11.2	10.7	6.0	2.4	-2.1	5.8
	MAXIMUM	-	-	-	12.7	12.0	12.3	15.3	17.9	20.0	12.9	10.6	8.0	20.0
	DAY-HR	-	-	-	26-23	31-23	08-05	27-00	26-04	14-01	03-22	01-23	21-04	SEP
	MINIMUM	-	-	-	-4.4	-0.7	2.7	3.4	6.4	3.1	-0.2	-5.7	-17.5	-17.5
	DAY-HR	-	-	-	17-15	10-15	04-07	02-08	06-05	23-14	19-13	25-17	26-09	DEC
	# OBS	-	-	-	379	740	572	740	744	715	738	719	689	6036
1991	MEAN	-2.7	-	-	-	5.3	7.8	9.1	14.9	11.6	5.5	0.6	-	7.4
	MAXIMUM	10.9	-	-	-	15.1	15.0	17.6	23.0	18.5	11.6	7.9	-	23.0
	DAY-HR	17-03	-	-	-	30-03	26-16	19-09	27-23	09-13	17-19	02-02	-	AUG
	MINIMUM	-13.3	-	-	-	0.1	3.4	3.6	9.3	2.4	0.1	-9.5	-	-13.3
	DAY-HR	07-17	-	-	-	04-13	01-09	11-08	04-10	27-16	19-08	06-18	-	JAN
	# OBS	238	-	-	-	668	713	737	737	710	744	698	-	5245
1992	MEAN	-	-	-	1.3	4.3	5.3	6.6	11.2	10.4	5.9	1.7	-	6.4
	MAXIMUM	-	-	-	5.5	9.8	10.5	13.6	16.5	14.9	12.3	6.6	-	16.5
	DAY-HR	-	-	-	20-13	12-00	17-23	30-22	24-23	05-21	02-05	03-10	-	AUG
	MINIMUM	-	-	-	-6.9	0.3	2.8	3.5	7.7	4.4	-1.4	-3.2	-	-6.9
	DAY-HR	-	-	-	12-18	06-09	07-07	07-03	04-07	29-11	29-17	06-16	-	APR
	# OBS	-	-	-	538	742	714	732	729	713	733	169	-	5070
1993	MEAN	-	-	-	1.3	3.7	5.3	7.1	13.4	10.5	5.0	3.4	-	6.6
	MAXIMUM	-	-	-	4.2	7.6	12.1	12.3	17.8	15.5	10.5	5.4	-	17.8
	DAY-HR	-	-	-	28-12	12-03	25-02	23-17	26-19	03-02	07-00	02-22	-	AUG
	MINIMUM	-	-	-	-2.3	0.4	2.4	4.1	9.0	2.9	-0.9	-0.5	-	-2.3
	DAY-HR	-	-	-	17-02	22-10	05-10	03-04	10-16	29-12	12-18	01-03	-	APR
	# OBS	-	-	-	403	742	717	591	513	717	744	73	-	4500
1994	MEAN	-	-	-	-	3.4	5.2	6.1	8.7	10.9	9.1	-	-	7.2

	MAXIMUM	-	-	-	-	7.7	10.7	14.3	14.8	15.1	13.2	-	-	15.1
	DAY-HR	-	-	-	-	28-04	17-16	31-21	26-03	24-02	07-00	-	-	SEP
	MINIMUM	-	-	-	-	1.2	2.7	3.8	5.4	6.7	3.1	-	-	1.2
	DAY-HR	-	-	-	-	05-20	03-09	07-07	09-04	26-01	09-18	-	-	MAY
	# OBS	-	-	-	-	667	717	737	738	715	514	-	-	4088
1995	MEAN	-	-	-	2.1	4.3	6.2	8.4	15.7	11.9	8.1	-	-	8.5
	MAXIMUM	-	-	-	5.5	8.6	12.2	16.6	20.6	17.6	15.8	-	-	20.6
	DAY-HR	-	-	-	29-04	31-00	20-02	31-00	19-08	06-21	01-06	-	-	AUG
	MINIMUM	-	-	-	-1.4	2.2	2.9	3.7	9.5	3.6	3.1	-	-	-1.4
	DAY-HR	-	-	-	14-15	03-08	09-08	09-12	01-08	22-14	29-11	-	-	APR
	# OBS	-	-	-	418	744	718	741	741	717	683	-	-	4762
1996	MEAN	-	-	-	-0.0	2.7	5.3	6.1	7.9	10.4	6.1	-0.9	-	6.1
	MAXIMUM	-	-	-	4.3	10.8	16.1	10.4	14.1	15.9	12.1	2.0	-	16.1
	DAY-HR	-	-	-	30-03	18-10	29-09	11-03	24-23	07-23	02-00	01-01	-	JUN
	MINIMUM	-	-	-	-6.0	-3.0	2.8	3.8	4.3	4.8	-3.4	-2.5	-	-6.0
	DAY-HR	-	-	-	26-16	01-15	03-15	02-16	13-11	29-16	31-08	01-21	-	APR
	# OBS	-	-	-	144	739	718	838	788	716	710	96	-	4749
1997	MEAN	-	-	-	2.2	2.9	5.8	6.8	9.9	12.2	6.7	-	-	7.1
	MAXIMUM	-	-	-	7.0	7.7	12.0	13.1	14.7	16.5	15.4	-	-	16.5
	DAY-HR	-	-	-	29-23	29-22	25-03	26-05	27-00	02-00	09-09	-	-	SEP
	MINIMUM	-	-	-	-0.3	-0.5	3.4	4.1	5.4	5.7	-3.0	-	-	-3.0
	DAY-HR	-	-	-	30-15	17-07	07-00	09-02	02-14	30-20	27-12	-	-	OCT
	# OBS	-	-	-	267	740	719	734	740	718	689	-	-	4607
1998	MEAN	-	-	-	3.3	5.6	8.6	16.5	18.7	15.9	9.3	-	-	11.5
	MAXIMUM	-	-	-	8.9	10.5	16.6	21.1	21.5	21.7	14.1	-	-	21.7
	DAY-HR	-	-	-	12-23	20-02	26-03	21-04	10-02	06-00	18-01	-	-	SEP
	MINIMUM	-	-	-	-0.8	3.4	4.0	11.8	14.3	8.7	2.5	-	-	-0.8
	DAY-HR	-	-	-	15-18	14-06	02-08	01-12	18-11	22-17	14-15	-	-	APR
	# OBS	-	-	-	621	709	687	741	787	717	498	-	-	4760
1999	MEAN	-	-	-	3.0	5.5	6.7	12.4	15.6	14.5	7.0	4.7	-	9.1
	MAXIMUM	-	-	-	8.3	10.4	12.5	21.1	20.9	20.0	12.9	9.5	-	21.1
	DAY-HR	-	-	-	26-00	05-22	22-23	31-00	28-03	05-02	10-04	01-17	-	JUL
	MINIMUM	-	-	-	0.1	2.8	3.7	6.8	11.7	7.3	0.4	-1.5	-	-1.5
	DAY-HR	-	-	-	04-21	10-16	01-12	02-16	29-17	20-19	24-05	03-16	-	NOV
	# OBS	-	-	-	720	744	720	744	737	715	741	202	-	5323
2000	MEAN	-	-	-	1.5	4.8	6.1	11.9	15.6	13.3	8.8	7.5	-	9.1
	MAXIMUM	-	-	-	7.3	12.4	9.5	19.1	19.6	19.3	15.6	11.3	-	19.6
	DAY-HR	-	-	-	24-02	06-21	14-23	31-22	02-00	19-01	01-04	02-16	-	AUG
	MINIMUM	-	-	-	-5.7	2.1	3.7	6.0	11.4	4.4	1.1	3.6	-	-5.7
	DAY-HR	-	-	-	10-16	18-16	19-13	02-09	02-20	27-10	28-15	09-06	-	APR
	# OBS	-	-	-	578	694	653	743	741	708	738	229	-	5084
2001	MEAN	-	-	-	3.9	4.9	6.0	8.7	15.3	13.2	7.8	6.7	-	9.9
	MAXIMUM	-	-	-	8.9	8.8	14.3	14.9	19.6	18.3	13.3	10.0	-	19.6
	DAY-HR	-	-	-	30-00	01-01	27-01	31-23	30-03	06-20	02-03	02-06	-	AUG
	MINIMUM	-	-	-	-1.1	3.2	3.0	3.9	10.6	6.3	0.6	4.6	-	-1.1
	DAY-HR	-	-	-	22-12	01-18	13-06	08-03	02-11	24-15	27-09	05-07	-	APR
	# OBS	-	-	-	96	55	718	744	744	715	744	134	-	3950
POR	MEAN	-2.7	-	-	2.4	4.2	6.1	8.9	13.3	12.1	6.8	2.1	-2.5	7.9
	MAXIMUM	10.9	-	-	12.7	15.1	16.6	21.1	23.0	22.6	16.4	11.3	8.0	23.0
	YEAR	1991	-	-	1990	1991	1998	1999	1991	1983	1983	2000	1990	AUG/1991
	MINIMUM	-13.3	-	-	-6.9	-3.0	1.3	3.4	4.3	2.4	-3.4	-11.1	-17.5	-17.5
	YEAR	1991	-	-	1992	1996	1989	1990	1996	1991	1996	1989	1990	DEC/1990
	# OBS	238	-	-	5806	12338	13679	16099	16118	15498	15632	6051	759	102218

STATION: 45004 -- POR (4/1980 - 11/2001)

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

ELEMENT: SEA TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	1.3	2.1	3.0	6.3	14.7	12.1	6.8	4.7	-	7.3
	MAXIMUM	-	-	-	1.7	2.7	3.6	13.3	17.2	16.4	8.6	5.3	-	17.2
	DAY-HR	-	-	-	26-14	26-22	30-22	31-22	24-00	01-00	01-17	06-20	-	AUG
	MINIMUM	-	-	-	1.2	1.2	2.4	3.3	12.0	7.8	4.9	-0.3	-	-0.3
	DAY-HR	-	-	-	27-14	01-12	01-06	02-11	03-12	26-17	30-04	25-12	-	NOV
	# OBS	-	-	-	106	536	719	744	742	713	722	591	-	4873
1981	MEAN	-	-	-	-	2.1	2.8	4.2	12.6	12.6	5.5	5.1	-	7.0
	MAXIMUM	-	-	-	-	2.5	3.3	9.6	17.3	17.3	6.7	5.3	-	17.3
	DAY-HR	-	-	-	-	31-21	30-23	30-02	31-23	01-03	01-10	10-21	-	SEP
	MINIMUM	-	-	-	-	1.8	2.3	3.1	6.7	6.7	4.8	4.8	-	1.8

	DAY-HR	-	-	-	-	28-09	01-14	01-11	01-15	30-23	26-14	09-23	-	MAY
	# OBS	-	-	-	-	293	716	741	744	715	720	256	-	4185
1982	MEAN	-	-	-	-	1.4	2.2	3.1	5.2	7.0	7.3	5.5	-	4.6
	MAXIMUM	-	-	-	-	1.8	2.7	3.8	8.4	8.3	9.1	6.4	-	9.1
	DAY-HR	-	-	-	-	31-23	30-23	27-21	22-01	30-21	14-09	03-07	-	OCT
	MINIMUM	-	-	-	-	0.8	1.7	2.6	3.4	5.6	5.9	4.6	-	0.8
	DAY-HR	-	-	-	-	09-12	06-11	01-12	01-12	03-15	26-11	17-07	-	MAY
	# OBS	-	-	-	-	584	720	743	738	719	740	394	-	4638
1983	MEAN	-	-	-	1.9	2.4	3.1	7.9	16.6	15.2	9.6	6.6	-	8.7
	MAXIMUM	-	-	-	2.3	2.8	3.7	15.7	19.9	19.7	12.6	7.3	-	19.9
	DAY-HR	-	-	-	29-23	28-19	29-20	28-21	31-21	03-00	03-21	02-17	-	AUG
	MINIMUM	-	-	-	1.7	1.9	2.7	3.5	13.6	12.0	7.1	5.8	-	1.7
	DAY-HR	-	-	-	25-12	17-03	03-12	06-05	01-16	29-16	31-18	13-06	-	APR
	# OBS	-	-	-	199	741	716	720	737	713	735	323	-	4884
1984	MEAN	-	-	-	-	-	3.1	3.8	10.7	11.5	7.4	4.9	-	8.0
	MAXIMUM	-	-	-	-	-	3.3	7.3	14.0	13.6	9.6	6.0	-	14.0
	DAY-HR	-	-	-	-	-	30-19	29-21	15-05	05-21	13-03	01-12	-	AUG
	MINIMUM	-	-	-	-	-	3.0	3.0	5.0	7.3	5.5	3.0	-	3.0
	DAY-HR	-	-	-	-	-	30-12	01-12	01-07	29-20	29-11	13-15	-	NOV
	# OBS	-	-	-	-	-	35	739	742	717	742	302	-	3277
1985	MEAN	-	-	-	-	-	-	4.2	10.9	11.9	7.7	7.0	-	8.6
	MAXIMUM	-	-	-	-	-	-	8.6	13.7	14.0	9.4	7.5	-	14.0
	DAY-HR	-	-	-	-	-	-	31-23	16-01	08-21	04-14	02-21	-	SEP
	MINIMUM	-	-	-	-	-	-	3.3	7.3	8.2	7.0	6.0	-	3.3
	DAY-HR	-	-	-	-	-	-	07-10	01-12	30-20	17-12	14-03	-	JUL
	# OBS	-	-	-	-	-	-	675	743	715	734	312	-	3179
1986	MEAN	-	-	-	-	-	3.1	4.0	10.0	9.7	7.7	5.0	-	7.1
	MAXIMUM	-	-	-	-	-	3.5	10.3	14.0	11.3	10.9	6.2	-	14.0
	DAY-HR	-	-	-	-	-	30-23	29-21	19-19	24-22	01-22	02-21	-	AUG
	MINIMUM	-	-	-	-	-	2.7	3.1	6.2	8.2	5.9	4.0	-	2.7
	DAY-HR	-	-	-	-	-	25-09	10-10	01-13	07-13	31-23	18-22	-	JUN
	# OBS	-	-	-	-	-	296	740	741	715	742	430	-	3664
1987	MEAN	-	-	-	2.3	2.9	4.3	10.4	15.2	14.5	7.9	5.5	-	8.2
	MAXIMUM	-	-	-	2.7	3.6	9.4	16.7	18.5	16.7	13.7	6.3	-	18.5
	DAY-HR	-	-	-	30-22	31-21	23-00	30-00	28-20	07-21	01-00	04-20	-	AUG
	MINIMUM	-	-	-	0.7	1.9	3.1	5.8	13.3	13.3	5.8	5.0	-	0.7
	DAY-HR	-	-	-	13-11	04-10	05-11	03-04	04-13	03-11	31-23	10-18	-	APR
	# OBS	-	-	-	534	742	718	740	734	670	735	235	-	5108
1988	MEAN	-	-	-	1.4	2.3	3.2	7.0	13.2	12.4	7.5	4.8	-	6.7
	MAXIMUM	-	-	-	2.0	3.1	3.9	15.8	15.7	14.9	11.3	5.5	-	15.8
	DAY-HR	-	-	-	30-23	31-22	28-21	22-21	30-22	02-22	01-14	01-08	-	JUL
	MINIMUM	-	-	-	0.7	0.9	2.1	3.5	10.6	10.3	4.7	4.3	-	0.7
	DAY-HR	-	-	-	08-02	01-12	17-05	02-11	06-17	26-12	30-16	08-10	-	APR
	# OBS	-	-	-	667	743	714	741	739	717	744	171	-	5236
1989	MEAN	-	-	-	0.9	1.4	2.5	3.4	7.0	11.3	5.8	4.6	3.9	4.8
	MAXIMUM	-	-	-	1.2	2.1	3.2	8.3	11.2	13.1	6.4	5.5	3.9	13.1
	DAY-HR	-	-	-	28-21	31-21	27-17	30-23	11-22	21-20	10-20	02-00	03-20	SEP
	MINIMUM	-	-	-	0.8	0.3	1.7	2.8	3.6	7.1	5.2	3.6	3.6	0.3
	DAY-HR	-	-	-	30-23	03-11	06-11	03-13	05-11	23-04	09-06	27-02	03-23	MAY
	# OBS	-	-	-	136	731	715	737	733	531	736	718	70	5107
1990	MEAN	-	-	-	1.6	2.2	3.2	4.1	7.5	10.1	7.0	4.7	4.0	5.1
	MAXIMUM	-	-	-	2.6	3.6	4.9	5.6	13.0	14.7	9.6	5.7	4.4	14.7
	DAY-HR	-	-	-	29-21	30-20	25-19	23-20	22-23	06-22	02-20	02-20	01-21	SEP
	MINIMUM	-	-	-	0.9	1.2	2.3	3.3	4.2	6.6	4.6	3.9	3.4	0.9
	DAY-HR	-	-	-	18-04	13-10	04-08	02-11	01-12	23-15	29-06	26-14	31-16	APR
	# OBS	-	-	-	366	740	716	740	744	715	738	719	744	6222
1991	MEAN	2.9	1.7	1.0	1.3	2.3	3.4	4.8	12.4	11.7	5.9	4.8	-	4.8
	MAXIMUM	3.7	2.2	1.2	1.9	3.8	4.4	10.9	17.2	15.9	7.1	6.1	-	17.2
	DAY-HR	03-20	09-00	27-23	28-22	31-20	25-21	27-22	28-23	07-22	04-20	02-05	-	AUG
	MINIMUM	1.8	0.4	0.5	0.9	1.5	2.0	3.5	6.4	6.1	5.2	4.0	-	0.4
	DAY-HR	30-14	23-14	05-14	12-09	19-11	07-09	02-11	02-12	28-09	28-05	29-11	-	FEB
	# OBS	741	671	650	715	739	718	737	737	712	744	698	-	7862
1992	MEAN	-	-	-	1.5	2.4	3.3	4.6	9.7	9.5	6.9	5.6	-	5.5
	MAXIMUM	-	-	-	1.9	3.1	3.8	11.9	13.0	12.4	8.2	6.0	-	13.0
	DAY-HR	-	-	-	29-21	30-21	30-19	30-23	29-21	01-21	02-21	02-04	-	AUG
	MINIMUM	-	-	-	1.1	1.2	2.8	3.5	5.8	6.9	6.0	5.2	-	1.1
	DAY-HR	-	-	-	13-14	06-09	02-11	02-16	03-08	29-01	31-23	08-10	-	APR
	# OBS	-	-	-	537	741	714	731	727	709	732	170	-	5061
1993	MEAN	-	-	-	1.4	2.2	3.1	4.1	11.7	11.0	6.9	5.0	-	5.8
	MAXIMUM	-	-	-	2.0	2.9	3.8	8.4	15.4	13.9	9.1	5.1	-	15.4
	DAY-HR	-	-	-	14-13	30-00	29-22	23-18	11-22	02-10	01-01	03-23	-	AUG
	MINIMUM	-	-	-	0.3	1.3	1.7	3.5	7.6	9.0	4.9	4.9	-	0.3

1984	MEAN	-	-	-	-	4.2	5.6	11.3	8.0	4.6	-3.0	-	6.4
	MAXIMUM	-	-	-	-	5.3	10.9	15.7	14.1	10.7	5.7	-	15.7
	DAY-HR	-	-	-	-	29-13	23-03	15-02	13-07	27-22	01-12	-	AUG
	MINIMUM	-	-	-	-	3.5	1.8	5.6	-3.1	-9.2	-11.1	-	-11.1
	DAY-HR	-	-	-	-	30-10	28-23	23-12	28-18	31-06	02-09	-	NOV
	# OBS	-	-	-	-	35	737	741	717	742	301	-	3273
POR	MEAN	-	-	-	-0.3	0.2	4.2	5.6	11.3	8.0	4.6	-3.0	5.0
	MAXIMUM	-	-	-	2.2	6.0	5.3	10.9	15.7	14.1	10.7	5.7	15.7
	YEAR	-	-	-	1983	1983	1984	1984	1984	1984	1984	1984	AUG/1984
	MINIMUM	-	-	-	-5.0	-7.8	3.5	1.8	5.6	-3.1	-9.2	-11.1	-11.1
	YEAR	-	-	-	1983	1983	1984	1984	1984	1984	1984	1984	NOV/1984
	# OBS	-	-	-	199	741	35	737	741	717	742	301	4213

STATION: 45004 -- POR (4/1980 - 11/2001)

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	1016.0	1014.3	1014.7	1013.3	1013.5	1014.9	1013.2	1016.8	-	1014.4
	MAXIMUM	-	-	-	1020.6	1027.6	1027.6	1023.4	1025.2	1026.9	1032.2	1035.5	-	1035.5
	DAY-HR	-	-	-	26-19	16-20	04-15	06-15	28-14	26-18	23-09	11-16	-	NOV
	MINIMUM	-	-	-	1010.3	998.1	1001.7	1004.1	1001.5	999.1	988.9	990.6	-	988.9
	DAY-HR	-	-	-	30-02	31-07	29-12	15-06	05-08	16-11	17-22	09-09	-	OCT
	# OBS	-	-	-	106	536	719	742	742	713	722	591	-	4871
1981	MEAN	-	-	-	-	1012.7	1010.4	1017.0	1015.8	1015.5	1017.8	1018.9	-	1015.3
	MAXIMUM	-	-	-	-	1022.2	1027.9	1029.0	1023.9	1030.6	1030.6	1032.1	-	1032.1
	DAY-HR	-	-	-	-	19-17	30-19	01-14	16-16	23-12	21-16	09-17	-	NOV
	MINIMUM	-	-	-	-	999.9	992.6	1006.5	1006.1	996.9	981.7	1003.2	-	981.7
	DAY-HR	-	-	-	-	30-01	08-10	20-14	31-23	27-13	18-11	05-20	-	OCT
	# OBS	-	-	-	-	293	716	741	743	715	720	257	-	4185
1982	MEAN	-	-	-	-	1016.2	1013.9	1013.9	1016.5	1016.3	1015.4	1015.4	-	1015.3
	MAXIMUM	-	-	-	-	1026.1	1025.7	1024.8	1027.0	1031.0	1030.1	1036.7	-	1036.7
	DAY-HR	-	-	-	-	09-15	03-17	23-16	28-18	06-19	22-15	09-16	-	NOV
	MINIMUM	-	-	-	-	1003.4	1003.6	993.0	1004.1	1001.3	996.2	979.3	-	979.3
	DAY-HR	-	-	-	-	31-21	10-09	11-17	22-12	02-14	14-23	12-13	-	NOV
	# OBS	-	-	-	-	584	720	743	738	718	740	394	-	4637
1983	MEAN	-	-	-	1013.4	1015.2	1015.6	1014.8	1016.4	1014.8	1019.1	1020.6	-	1016.2
	MAXIMUM	-	-	-	1020.9	1031.3	1024.3	1025.7	1025.3	1027.1	1036.8	1036.3	-	1036.8
	DAY-HR	-	-	-	23-16	09-16	10-17	06-17	24-14	14-17	20-16	03-16	-	OCT
	MINIMUM	-	-	-	1001.2	999.6	1003.1	997.6	1003.8	995.1	994.1	1006.2	-	994.1
	DAY-HR	-	-	-	27-06	30-13	06-22	04-06	08-05	06-02	14-11	08-09	-	OCT
	# OBS	-	-	-	199	741	716	741	739	713	739	323	-	4911
1984	MEAN	-	-	-	-	-	1020.4	1014.1	1014.8	1016.7	1018.4	1015.5	-	1016.0
	MAXIMUM	-	-	-	-	-	1022.3	1026.9	1024.5	1028.8	1033.3	1028.2	-	1033.3
	DAY-HR	-	-	-	-	-	30-15	28-17	11-16	27-05	31-11	13-14	-	OCT
	MINIMUM	-	-	-	-	-	1018.7	1002.0	1003.2	999.2	993.0	997.0	-	993.0
	DAY-HR	-	-	-	-	-	29-12	17-12	09-13	20-04	28-02	04-14	-	OCT
	# OBS	-	-	-	-	-	35	739	742	717	742	302	-	3277
1985	MEAN	-	-	-	-	-	-	1013.6	1016.5	1016.9	1016.5	1017.5	-	1016.1
	MAXIMUM	-	-	-	-	-	-	1025.7	1025.9	1038.9	1033.2	1039.5	-	1039.5
	DAY-HR	-	-	-	-	-	-	30-17	02-14	13-16	28-17	11-16	-	NOV
	MINIMUM	-	-	-	-	-	-	1002.1	1004.1	990.4	993.9	1003.9	-	990.4
	DAY-HR	-	-	-	-	-	-	05-07	13-08	24-03	05-05	07-20	-	SEP
	# OBS	-	-	-	-	-	-	675	739	715	734	312	-	3175
1986	MEAN	-	-	-	-	-	1014.6	1014.9	1016.5	1016.7	1018.5	1017.9	-	1016.6
	MAXIMUM	-	-	-	-	-	1025.4	1021.9	1029.6	1035.3	1033.1	1033.2	-	1035.3
	DAY-HR	-	-	-	-	-	20-17	14-17	21-20	16-17	18-17	13-16	-	SEP
	MINIMUM	-	-	-	-	-	1005.6	1002.7	1005.9	1002.7	1002.8	995.9	-	995.9
	DAY-HR	-	-	-	-	-	27-02	04-14	15-05	04-12	14-19	08-18	-	NOV
	# OBS	-	-	-	-	-	296	740	743	715	742	428	-	3664
1987	MEAN	-	-	-	1015.4	1017.4	1013.1	1014.3	1014.4	1013.9	1015.6	1018.4	-	1015.0
	MAXIMUM	-	-	-	1031.5	1034.5	1025.8	1021.5	1024.7	1024.6	1033.8	1035.7	-	1035.7
	DAY-HR	-	-	-	24-16	04-16	09-18	22-05	25-20	03-13	31-15	10-16	-	NOV
	MINIMUM	-	-	-	996.5	1000.1	1003.3	1005.3	1001.2	1005.8	990.6	1000.0	-	990.6
	DAY-HR	-	-	-	29-06	09-10	12-00	10-00	17-04	29-19	02-02	04-12	-	OCT
	# OBS	-	-	-	534	742	718	741	734	670	736	235	-	5110
1988	MEAN	-	-	-	1011.9	1015.0	1015.7	1015.3	1012.1	1013.8	1013.7	1003.0	-	1013.6
	MAXIMUM	-	-	-	1025.4	1024.3	1024.4	1022.7	1022.3	1032.2	1033.1	1018.2	-	1033.1
	DAY-HR	-	-	-	08-16	25-14	16-18	05-20	18-16	28-16	06-15	02-11	-	OCT

	MINIMUM	-	-	-	994.6	994.6	998.3	1001.9	995.3	989.7	992.6	982.6	-	982.6
	DAY-HR	-	-	-	17-10	09-22	25-08	13-23	25-18	20-06	28-09	06-08	-	NOV
	# OBS	-	-	-	668	743	717	741	739	717	744	174	-	5243
1989	MEAN	-	-	-	1017.9	1015.4	1016.2	1019.2	1015.5	1017.3	1016.6	1010.3	1017.9	1015.8
	MAXIMUM	-	-	-	1022.8	1030.1	1029.9	1027.7	1026.6	1027.1	1039.5	1025.2	1027.3	1039.5
	DAY-HR	-	-	-	27-18	11-15	29-16	23-16	18-13	03-17	18-17	29-02	03-10	OCT
	MINIMUM	-	-	-	1012.4	992.8	1007.6	1002.8	1000.8	1004.9	996.8	990.4	999.8	990.4
	DAY-HR	-	-	-	25-07	25-10	27-02	10-05	04-00	22-16	02-11	11-12	02-12	NOV
	# OBS	-	-	-	137	732	715	737	733	531	737	716	71	5109
1990	MEAN	-	-	-	1012.1	1014.4	1010.5	1016.8	1017.3	1015.2	1013.8	1012.4	1015.5	1014.5
	MAXIMUM	-	-	-	1026.1	1028.3	1024.9	1029.7	1027.3	1029.8	1030.5	1029.7	1037.1	1037.1
	DAY-HR	-	-	-	18-17	03-16	11-05	12-18	06-15	17-17	08-17	13-16	03-04	DEC
	MINIMUM	-	-	-	998.0	993.7	987.3	998.8	1007.5	995.7	991.5	990.1	995.4	987.3
	DAY-HR	-	-	-	28-22	10-18	03-13	04-00	28-14	25-09	03-22	23-13	12-22	JUN
	# OBS	-	-	-	379	738	547	740	744	715	738	719	690	6010
1991	MEAN	1018.6	-	-	-	1016.8	1017.2	1014.1	1017.2	1016.0	1013.7	1014.7	-	1015.8
	MAXIMUM	1041.9	-	-	-	1035.6	1029.6	1026.7	1029.4	1032.5	1032.4	1029.5	-	1041.9
	DAY-HR	10-16	-	-	-	18-16	06-13	27-16	31-18	29-17	31-01	16-22	-	JAN
	MINIMUM	1000.3	-	-	-	999.9	1003.6	1002.2	997.6	990.2	994.0	990.3	-	990.2
	DAY-HR	14-07	-	-	-	07-03	15-23	06-11	17-09	25-21	05-20	02-10	-	SEP
	# OBS	227	-	-	-	596	715	737	737	712	744	698	-	5166
1992	MEAN	-	-	-	1017.2	1017.9	1013.6	1012.9	1016.7	1014.3	1015.2	1014.0	-	1015.3
	MAXIMUM	-	-	-	1036.4	1032.4	1024.9	1023.3	1028.0	1028.7	1027.8	1029.6	-	1036.4
	DAY-HR	-	-	-	13-02	18-17	01-14	22-16	14-16	29-16	21-22	01-14	-	APR
	MINIMUM	-	-	-	1000.7	997.8	991.2	1003.1	996.3	994.9	997.6	995.3	-	991.2
	DAY-HR	-	-	-	21-10	01-16	18-05	03-10	30-07	18-13	12-11	03-05	-	JUN
	# OBS	-	-	-	538	742	714	732	728	712	735	169	-	5070
1993	MEAN	-	-	-	1014.8	1014.7	1014.9	1014.5	1015.5	1014.3	1013.1	1015.6	-	1014.5
	MAXIMUM	-	-	-	1031.3	1028.7	1025.8	1024.7	1023.9	1028.0	1025.4	1022.8	-	1031.3
	DAY-HR	-	-	-	26-16	01-17	16-12	22-13	21-13	15-23	23-00	01-17	-	APR
	MINIMUM	-	-	-	991.6	993.6	996.4	997.6	1001.7	989.3	986.8	1005.6	-	986.8
	DAY-HR	-	-	-	24-22	24-15	09-16	06-03	24-04	09-14	28-19	03-19	-	OCT
	# OBS	-	-	-	403	742	717	590	513	717	743	73	-	4498
1994	MEAN	-	-	-	1015.1	1013.9	1013.7	1015.6	1016.2	1017.4	-	-	-	1015.2
	MAXIMUM	-	-	-	1031.1	1026.5	1025.3	1028.2	1030.3	1029.6	-	-	-	1031.1
	DAY-HR	-	-	-	17-14	08-17	03-14	09-17	03-17	14-15	-	-	-	MAY
	MINIMUM	-	-	-	996.7	1001.7	1002.6	994.8	1000.5	1000.2	-	-	-	994.8
	DAY-HR	-	-	-	11-14	28-22	09-05	28-06	28-09	08-00	-	-	-	AUG
	# OBS	-	-	-	667	717	738	737	715	514	-	-	-	4088
1995	MEAN	-	-	-	1015.9	1014.0	1015.7	1011.4	1015.1	1016.9	1008.1	-	-	1013.8
	MAXIMUM	-	-	-	1026.7	1029.3	1024.5	1020.9	1025.2	1028.1	1022.4	-	-	1029.3
	DAY-HR	-	-	-	15-12	26-17	09-14	30-08	24-15	10-13	19-04	-	-	MAY
	MINIMUM	-	-	-	994.0	992.0	998.5	1001.8	1001.6	1001.2	988.0	-	-	988.0
	DAY-HR	-	-	-	19-06	14-10	07-05	06-10	31-05	16-17	27-22	-	-	OCT
	# OBS	-	-	-	418	744	718	741	741	717	683	-	-	4762
1996	MEAN	-	-	-	1008.4	1017.7	1014.8	1013.8	1017.7	1015.1	1014.1	1007.2	-	1015.1
	MAXIMUM	-	-	-	1024.1	1031.4	1023.5	1027.1	1025.1	1028.7	1032.7	1015.0	-	1032.7
	DAY-HR	-	-	-	29-03	24-14	26-05	27-16	29-18	18-14	04-13	02-23	-	OCT
	MINIMUM	-	-	-	985.2	993.3	1004.1	1003.1	1006.9	997.3	977.8	1000.4	-	977.8
	DAY-HR	-	-	-	25-21	01-00	02-14	08-14	07-13	27-14	30-11	01-11	-	OCT
	# OBS	-	-	-	144	738	718	838	788	716	710	96	-	4748
1997	MEAN	-	-	-	1013.5	1014.4	1013.6	1015.9	1016.5	1013.5	1015.6	-	-	1014.8
	MAXIMUM	-	-	-	1026.0	1032.2	1026.6	1028.4	1026.0	1033.7	1034.8	-	-	1034.8
	DAY-HR	-	-	-	26-15	27-17	08-15	30-16	11-16	03-15	16-16	-	-	OCT
	MINIMUM	-	-	-	998.2	993.8	992.3	994.1	996.9	981.2	994.3	-	-	981.2
	DAY-HR	-	-	-	29-15	05-17	16-07	02-21	15-18	29-19	13-14	-	-	SEP
	# OBS	-	-	-	267	740	719	734	740	718	689	-	-	4607
1998	MEAN	-	-	-	1017.0	1013.0	1010.8	1013.9	1016.9	1012.5	1018.1	-	-	1014.4
	MAXIMUM	-	-	-	1033.6	1023.7	1024.4	1026.0	1027.6	1023.3	1030.9	-	-	1033.6
	DAY-HR	-	-	-	27-17	09-15	08-20	31-20	18-20	16-06	04-15	-	-	APR
	MINIMUM	-	-	-	1001.0	995.9	993.5	1000.2	999.3	1002.3	991.5	-	-	991.5
	DAY-HR	-	-	-	14-09	31-10	12-12	21-12	24-10	21-01	18-11	-	-	OCT
	# OBS	-	-	-	621	708	686	741	787	717	498	-	-	4758
1999	MEAN	-	-	-	1018.0	1014.5	1015.5	1012.4	1015.4	1013.1	1015.6	1014.2	-	1014.9
	MAXIMUM	-	-	-	1034.4	1027.6	1026.4	1022.8	1029.9	1024.9	1029.7	1032.2	-	1034.4
	DAY-HR	-	-	-	24-14	01-14	20-17	18-14	30-13	16-16	03-17	07-14	-	APR
	MINIMUM	-	-	-	998.3	994.1	1003.0	999.6	1003.3	1000.6	990.2	1001.1	-	990.2
	DAY-HR	-	-	-	06-20	07-10	05-18	31-04	13-09	10-18	22-09	01-21	-	OCT
	# OBS	-	-	-	720	744	720	744	737	715	741	202	-	5323
2000	MEAN	-	-	-	1020.2	1011.4	1013.2	1015.8	1015.9	1013.9	1019.7	1012.4	-	1015.5
	MAXIMUM	-	-	-	1031.9	1026.3	1025.9	1026.0	1028.6	1033.6	1037.7	1021.3	-	1037.7
	DAY-HR	-	-	-	12-19	19-13	12-14	07-16	20-17	05-16	28-15	01-00	-	OCT

	MINIMUM	-	-	-	995.4	992.3	987.9	1004.2	1000.3	993.1	999.0	1003.6	-	987.9
	DAY-HR	-	-	-	06-15	24-12	16-13	02-02	07-01	19-16	02-03	10-01	-	JUN
	# OBS	-	-	-	578	694	653	743	741	707	738	229	-	5083
2001	MEAN	-	-	-	1015.4	1016.6	1014.3	1015.1	1014.0	1016.8	1011.2	1014.3	-	1014.3
	MAXIMUM	-	-	-	1032.5	1023.7	1024.3	1028.7	1023.8	1032.2	1038.5	1027.3	-	1038.5
	DAY-HR	-	-	-	28-19	30-15	27-17	26-18	24-15	14-15	30-11	05-07	-	OCT
	MINIMUM	-	-	-	992.5	1005.6	997.2	1003.4	999.3	997.3	977.0	996.7	-	977.0
	DAY-HR	-	-	-	23-23	02-00	19-07	23-23	30-14	08-20	25-19	01-16	-	OCT
	# OBS	-	-	-	96	54	718	744	744	716	744	134	-	3950
POR	MEAN	1018.6	-	-	1015.7	1015.1	1014.2	1014.6	1015.7	1015.2	1015.4	1014.6	1015.7	1015.1
	MAXIMUM	1041.9	-	-	1036.4	1035.6	1029.9	1029.7	1029.9	1038.9	1039.5	1039.5	1037.1	1041.9
	YEAR	1991	-	-	1992	1991	1989	1990	1999	1985	1989	1985	1990	JAN/1991
	MINIMUM	1000.3	-	-	985.2	992.0	987.3	993.0	994.8	981.2	977.0	979.3	995.4	977.0
	YEAR	1991	-	-	1996	1995	1999	1982	1997	1982	2001	1982	1990	OCT/2001
	# OBS	227	-	-	5808	12278	13694	16162	16129	15501	15633	6052	761	102245

STATION: 45004 -- POR (4/1980 - 11/2001)

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

ELEMENT: AVERAGE WIND SPEED (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	8.3	7.9	7.8	6.9	8.0	11.4	12.7	12.7	-	9.6
	MAXIMUM	-	-	-	14.4	21.8	20.2	16.1	23.9	26.6	25.9	24.1	-	26.6
	DAY-HR	-	-	-	28-07	31-14	08-01	05-15	24-20	09-10	26-11	01-02	-	SEP
	MINIMUM	-	-	-	2.1	0.4	0.2	0.0	0.0	0.0	0.0	0.4	-	0.0
	DAY-HR	-	-	-	30-03	23-12	30-15	13-21	08-07	01-12	16-11	25-13	-	OCT
	# OBS	-	-	-	106	536	719	741	742	714	724	591	-	4873
1981	MEAN	-	-	-	-	6.3	7.5	5.3	5.2	10.5	12.2	12.3	-	8.2
	MAXIMUM	-	-	-	-	21.4	18.5	15.0	17.1	30.9	31.9	26.8	-	31.9
	DAY-HR	-	-	-	-	30-07	18-21	09-06	29-04	27-18	18-14	10-11	-	OCT
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	-	31-01	30-18	30-01	31-09	25-07	26-08	03-07	-	NOV
	# OBS	-	-	-	-	293	715	741	743	715	719	257	-	4183
1982	MEAN	-	-	-	-	6.9	6.3	6.9	6.4	8.8	10.2	10.9	-	7.9
	MAXIMUM	-	-	-	-	16.5	15.2	23.7	15.7	21.2	26.8	28.8	-	28.8
	DAY-HR	-	-	-	-	10-16	16-03	12-00	09-14	20-19	20-21	12-20	-	NOV
	MINIMUM	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	-	30-06	28-05	27-04	26-16	30-21	25-23	12-00	-	NOV
	# OBS	-	-	-	-	575	719	742	736	717	740	394	-	4623
1983	MEAN	-	-	-	6.4	8.5	7.1	6.4	6.7	9.4	10.1	10.4	-	8.1
	MAXIMUM	-	-	-	17.5	19.8	14.8	16.1	17.1	21.2	24.7	18.1	-	24.7
	DAY-HR	-	-	-	27-20	15-06	26-03	03-14	20-05	11-04	14-16	09-21	-	OCT
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	-	0.0
	DAY-HR	-	-	-	30-15	28-04	07-22	21-10	24-01	27-07	07-13	05-09	-	OCT
	# OBS	-	-	-	199	741	713	737	738	711	738	323	-	4900
1984	MEAN	-	-	-	-	-	6.3	6.1	5.5	9.8	10.1	13.6	-	8.3
	MAXIMUM	-	-	-	-	-	9.7	19.4	13.8	20.2	28.6	30.1	-	30.1
	DAY-HR	-	-	-	-	-	30-01	06-18	27-13	24-15	28-09	02-10	-	NOV
	MINIMUM	-	-	-	-	-	1.4	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	-	-	30-04	29-02	27-15	19-16	30-13	13-14	-	NOV
	# OBS	-	-	-	-	-	35	738	742	566	742	302	-	3125
1985	MEAN	-	-	-	-	-	-	6.8	7.2	10.0	12.0	12.8	-	9.4
	MAXIMUM	-	-	-	-	-	-	17.5	23.3	29.5	26.2	22.0	-	29.5
	DAY-HR	-	-	-	-	-	-	25-01	10-12	24-04	05-15	08-17	-	SEP
	MINIMUM	-	-	-	-	-	-	0.0	0.0	0.0	0.2	1.4	-	0.0
	DAY-HR	-	-	-	-	-	-	30-20	31-04	27-04	07-18	14-03	-	SEP
	# OBS	-	-	-	-	-	-	675	743	716	735	311	-	3180
1986	MEAN	-	-	-	-	-	7.7	6.0	6.7	9.5	9.4	15.4	-	8.7
	MAXIMUM	-	-	-	-	-	19.4	15.6	21.4	23.3	31.1	31.1	-	31.1
	DAY-HR	-	-	-	-	-	22-22	24-09	23-11	27-08	06-01	09-07	-	NOV
	MINIMUM	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	-	-	30-23	30-16	24-15	28-17	28-03	16-10	-	NOV
	# OBS	-	-	-	-	-	296	740	743	716	742	429	-	3666
1987	MEAN	-	-	-	7.9	7.7	5.8	7.0	9.0	9.8	12.9	13.4	-	8.8
	MAXIMUM	-	-	-	25.3	25.3	19.4	19.4	29.2	23.3	35.0	29.2	-	35.0
	DAY-HR	-	-	-	27-22	11-20	08-16	19-07	22-08	30-14	02-12	06-00	-	OCT
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
	DAY-HR	-	-	-	24-23	31-23	29-07	30-08	29-03	29-02	31-12	03-13	-	NOV
	# OBS	-	-	-	534	742	718	741	734	672	735	235	-	5111

1988	MEAN	-	-	-	11.1	8.3	8.4	6.5	9.1	13.4	14.2	15.3	-	10.3
	MAXIMUM	-	-	-	28.8	33.8	25.1	18.3	24.1	27.2	33.6	33.4	-	33.8
	DAY-HR	-	-	-	18-03	13-09	24-15	15-15	15-00	04-21	28-17	05-09	-	MAY
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	-	0.0
	DAY-HR	-	-	-	30-16	31-00	24-01	27-00	21-23	22-00	14-22	02-09	-	SEP
	# OBS	-	-	-	668	743	718	741	739	717	744	174	-	5244
1989	MEAN	-	-	-	8.0	7.5	7.6	5.6	7.3	8.7	13.1	17.1	17.7	9.6
	MAXIMUM	-	-	-	18.5	29.4	23.7	17.7	22.2	32.1	30.1	35.0	32.1	35.0
	DAY-HR	-	-	-	30-10	05-19	07-21	27-07	29-22	23-04	02-14	20-15	03-00	NOV
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
	DAY-HR	-	-	-	28-20	28-21	25-08	31-22	31-11	21-13	28-19	03-16	03-20	NOV
	# OBS	-	-	-	137	733	715	739	736	531	737	717	72	5117
1990	MEAN	-	-	-	11.0	9.9	10.7	9.1	9.4	10.4	-	-	-	10.0
	MAXIMUM	-	-	-	23.5	28.4	21.4	18.9	21.6	25.3	-	-	-	28.4
	DAY-HR	-	-	-	17-15	10-18	04-00	08-13	08-11	22-23	-	-	-	MAY
	MINIMUM	-	-	-	0.2	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0
	DAY-HR	-	-	-	22-12	30-05	27-16	24-03	22-11	26-11	-	-	-	SEP
	# OBS	-	-	-	379	740	694	740	744	715	-	-	-	4012
1991	MEAN	-	-	-	10.3	9.2	9.1	9.0	9.1	9.3	-	-	-	9.2
	MAXIMUM	-	-	-	20.8	20.4	22.4	19.8	17.3	21.6	-	-	-	22.4
	DAY-HR	-	-	-	29-23	26-15	27-12	17-06	31-07	17-04	-	-	-	JUN
	MINIMUM	-	-	-	0.2	0.0	0.2	0.0	0.2	0.2	-	-	-	0.0
	DAY-HR	-	-	-	28-07	19-19	01-12	22-02	06-10	16-02	-	-	-	JUL
	# OBS	-	-	-	295	668	716	737	737	408	-	-	-	3561
1992	MEAN	-	-	-	11.9	10.5	8.2	7.7	8.2	13.2	11.4	17.6	-	10.3
	MAXIMUM	-	-	-	31.1	25.5	23.5	21.8	24.5	35.8	33.4	33.8	-	35.8
	DAY-HR	-	-	-	12-07	01-11	17-14	03-03	30-07	28-17	16-21	02-15	-	SEP
	MINIMUM	-	-	-	0.8	0.6	0.0	0.0	0.4	0.6	1.0	5.1	-	0.0
	DAY-HR	-	-	-	24-21	30-23	25-17	14-06	27-13	15-09	27-14	07-12	-	JUL
	# OBS	-	-	-	538	742	715	732	730	715	738	170	-	5080
1993	MEAN	-	-	-	12.5	9.4	7.9	8.1	7.2	12.2	15.0	13.6	-	10.5
	MAXIMUM	-	-	-	28.4	25.5	20.8	22.7	18.3	28.4	40.6	26.8	-	40.6
	DAY-HR	-	-	-	16-08	28-00	15-09	04-17	20-13	09-09	21-17	02-19	-	OCT
	MINIMUM	-	-	-	0.2	0.2	0.0	0.2	0.0	0.8	0.2	0.6	-	0.0
	DAY-HR	-	-	-	14-06	22-08	11-07	23-17	17-21	25-17	19-23	01-13	-	AUG
	# OBS	-	-	-	403	742	717	592	513	717	744	73	-	4501
1994	MEAN	-	-	-	-	9.3	7.4	7.5	8.6	8.9	13.4	-	-	9.0
	MAXIMUM	-	-	-	-	24.3	28.0	21.0	26.8	26.6	28.0	-	-	28.0
	DAY-HR	-	-	-	-	16-03	14-20	04-20	28-09	26-00	09-21	-	-	OCT
	MINIMUM	-	-	-	-	0.0	0.2	0.2	0.6	0.0	2.5	-	-	0.0
	DAY-HR	-	-	-	-	25-03	27-00	10-15	25-13	09-23	21-08	-	-	SEP
	# OBS	-	-	-	-	667	718	738	738	716	514	-	-	4091
1995	MEAN	-	-	-	11.4	9.5	7.2	8.1	9.1	11.8	15.0	-	-	10.2
	MAXIMUM	-	-	-	27.8	26.6	18.9	22.9	25.9	29.5	32.1	-	-	32.1
	DAY-HR	-	-	-	18-20	17-08	07-12	14-16	31-00	07-01	15-16	-	-	OCT
	MINIMUM	-	-	-	2.3	0.2	0.2	0.0	0.0	1.4	1.2	-	-	0.0
	DAY-HR	-	-	-	23-10	07-06	09-17	17-05	13-04	22-09	09-01	-	-	AUG
	# OBS	-	-	-	418	744	718	741	741	717	683	-	-	4762
1996	MEAN	-	-	-	15.0	7.8	7.4	7.9	7.8	8.9	13.8	22.0	-	9.3
	MAXIMUM	-	-	-	29.2	23.7	18.7	18.7	22.0	26.0	36.9	32.3	-	36.9
	DAY-HR	-	-	-	26-13	18-09	02-13	19-14	05-19	27-06	30-18	01-01	-	OCT
	MINIMUM	-	-	-	1.2	0.0	0.0	0.2	0.0	0.0	0.0	13.8	-	0.0
	DAY-HR	-	-	-	29-10	26-20	23-20	31-06	18-18	20-13	19-17	02-05	-	OCT
	# OBS	-	-	-	144	739	718	838	788	716	710	96	-	4749
1997	MEAN	-	-	-	8.6	9.9	7.2	7.8	7.6	12.1	13.9	-	-	9.6
	MAXIMUM	-	-	-	19.8	27.6	29.4	27.0	19.8	26.4	32.5	-	-	32.5
	DAY-HR	-	-	-	29-15	09-13	24-00	02-18	15-08	30-13	10-04	-	-	OCT
	MINIMUM	-	-	-	0.2	0.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0
	DAY-HR	-	-	-	20-19	26-17	04-11	14-22	29-23	12-23	16-01	-	-	OCT
	# OBS	-	-	-	268	740	719	734	740	718	689	-	-	4608
1998	MEAN	-	-	-	10.1	8.8	8.4	9.0	9.6	11.9	-	-	-	9.3
	MAXIMUM	-	-	-	29.9	25.5	23.7	25.9	22.7	21.6	-	-	-	29.9
	DAY-HR	-	-	-	17-16	31-20	12-15	21-21	17-17	08-13	-	-	-	APR
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	3.5	-	-	-	0.0
	DAY-HR	-	-	-	23-01	29-05	16-02	19-00	03-02	06-16	-	-	-	AUG
	# OBS	-	-	-	619	709	691	741	788	146	-	-	-	3694
1999	MEAN	-	-	-	9.8	11.1	8.4	8.3	9.4	12.8	15.6	17.7	-	11.1
	MAXIMUM	-	-	-	29.9	26.6	30.3	26.4	27.6	31.9	37.7	38.3	-	38.3
	DAY-HR	-	-	-	04-05	06-23	05-17	06-14	08-02	30-23	23-10	02-00	-	NOV
	MINIMUM	-	-	-	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.2	-	0.0
	DAY-HR	-	-	-	20-05	28-13	27-16	19-08	26-08	16-13	09-15	07-16	-	SEP
	# OBS	-	-	-	720	744	720	744	737	715	741	202	-	5323

2000	MEAN	-	-	-	10.9	9.8	9.1	8.2	9.5	14.7	13.6	16.8	-	11.1
	MAXIMUM	-	-	-	31.9	25.9	28.0	20.8	26.8	29.5	31.3	28.8	-	31.9
	DAY-HR	-	-	-	09-21	08-17	10-22	18-05	02-17	21-11	07-08	07-07	-	APR
	MINIMUM	-	-	-	0.0	0.4	0.2	0.2	0.2	0.6	0.8	1.2	-	0.0
	DAY-HR	-	-	-	27-13	19-03	03-21	04-00	17-04	23-15	12-00	04-16	-	APR
	# OBS	-	-	-	578	695	653	743	741	709	738	229	-	5086
2001	MEAN	-	-	-	13.1	8.0	8.5	8.5	9.2	12.3	14.7	14.7	-	10.8
	MAXIMUM	-	-	-	33.0	20.0	28.4	23.5	24.7	27.6	35.0	25.7	-	35.0
	DAY-HR	-	-	-	22-02	01-01	19-13	01-12	31-04	08-21	26-11	02-20	-	OCT
	MINIMUM	-	-	-	1.2	2.5	0.2	0.0	0.4	0.4	0.2	1.6	-	0.0
	DAY-HR	-	-	-	25-18	31-07	08-02	27-07	21-05	29-05	13-09	05-05	-	JUL
	# OBS	-	-	-	96	55	718	744	744	716	744	134	-	3951
POR	MEAN	-	-	-	10.4	8.9	7.9	7.4	8.0	10.9	12.8	14.4	17.7	9.6
	MAXIMUM	-	-	-	33.0	33.8	30.3	27.0	29.2	35.8	40.6	38.3	32.1	40.6
	YEAR	-	-	-	2001	1988	1999	1997	1987	1992	1993	1999	1989	OCT/1993
	MINIMUM	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
	YEAR	-	-	-	2000	1999	1998	2001	1999	1999	1997	1989	1989	JUL/2001
	# OBS	-	-	-	6102	12348	13845	16159	16137	14483	13657	4637	72	97440

STATION: 45004 -- POR (4/1980 - 11/2001)

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

ELEMENT: PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	11.9	10.5	10.4	8.8	11.0	17.0	19.8	19.8	-	13.8
	MAXIMUM	-	-	-	20.2	33.2	32.5	29.4	36.0	43.0	45.7	38.3	-	45.7
	DAY-HR	-	-	-	28-07	31-13	08-01	16-21	24-18	09-10	26-07	01-03	-	OCT
	# OBS	-	-	-	106	536	719	741	742	714	724	591	-	4873
1981	MEAN	-	-	-	-	8.1	9.7	6.8	7.1	14.1	16.0	16.2	-	10.8
	MAXIMUM	-	-	-	-	31.9	26.6	18.7	23.5	42.4	43.4	39.7	-	43.4
	DAY-HR	-	-	-	-	30-07	18-21	09-06	15-17	27-18	18-14	10-11	-	OCT
	# OBS	-	-	-	-	293	713	741	743	715	719	257	-	4181
1982	MEAN	-	-	-	-	9.0	8.0	8.7	8.1	12.0	14.5	15.9	-	10.6
	MAXIMUM	-	-	-	-	26.4	21.6	35.2	22.2	31.7	40.4	46.1	-	46.1
	DAY-HR	-	-	-	-	10-16	10-20	12-00	09-14	20-21	21-01	12-20	-	NOV
	# OBS	-	-	-	-	575	719	742	735	717	740	394	-	4622
1983	MEAN	-	-	-	8.7	12.1	9.1	8.3	9.4	14.3	15.5	16.5	-	11.7
	MAXIMUM	-	-	-	24.9	30.5	21.4	28.8	27.0	35.4	37.5	30.9	-	37.5
	DAY-HR	-	-	-	27-20	15-06	04-20	03-14	11-00	09-03	14-16	09-21	-	OCT
	# OBS	-	-	-	199	741	713	737	738	711	738	323	-	4900
1984	MEAN	-	-	-	-	-	8.3	7.5	7.2	14.0	14.0	20.0	-	11.4
	MAXIMUM	-	-	-	-	-	13.6	28.6	22.6	31.5	44.9	46.9	-	46.9
	DAY-HR	-	-	-	-	-	29-13	06-18	27-03	24-15	28-09	02-10	-	NOV
	# OBS	-	-	-	-	-	35	738	742	566	742	302	-	3125
1985	MEAN	-	-	-	-	-	-	8.0	8.6	12.3	15.0	16.8	-	11.6
	MAXIMUM	-	-	-	-	-	-	22.9	29.7	42.2	35.2	31.9	-	42.2
	DAY-HR	-	-	-	-	-	-	25-01	10-12	24-04	05-13	08-04	-	SEP
	# OBS	-	-	-	-	-	-	675	742	715	735	311	-	3178
1986	MEAN	-	-	-	-	-	9.1	7.1	8.0	11.6	12.0	19.7	-	10.8
	MAXIMUM	-	-	-	-	-	21.4	19.4	27.2	29.2	38.9	38.9	-	38.9
	DAY-HR	-	-	-	-	-	26-23	24-07	23-11	27-08	06-01	09-07	-	NOV
	# OBS	-	-	-	-	-	296	739	743	715	742	428	-	3663
1987	MEAN	-	-	-	9.7	9.2	7.0	8.3	11.0	12.0	16.2	17.0	-	10.8
	MAXIMUM	-	-	-	33.0	31.1	23.3	25.3	33.0	31.1	44.7	35.0	-	44.7
	DAY-HR	-	-	-	27-22	11-20	08-16	19-07	22-08	30-14	02-11	05-23	-	OCT
	# OBS	-	-	-	534	741	718	740	733	670	735	235	-	5106
1988	MEAN	-	-	-	13.3	9.8	9.8	7.6	10.8	16.1	17.4	19.0	-	12.3
	MAXIMUM	-	-	-	34.8	43.2	30.1	26.0	32.3	32.9	41.4	40.6	-	43.2
	DAY-HR	-	-	-	18-02	13-09	24-15	30-02	14-23	04-22	28-17	05-13	-	MAY
	# OBS	-	-	-	668	743	716	738	736	717	744	174	-	5236
1989	MEAN	-	-	-	9.5	8.8	8.9	6.6	8.5	10.2	15.7	21.5	22.6	11.6
	MAXIMUM	-	-	-	23.1	35.2	32.7	27.0	34.2	42.0	37.5	42.8	40.8	42.8
	DAY-HR	-	-	-	30-10	05-19	07-21	27-03	02-07	23-04	02-15	20-15	02-23	NOV
	# OBS	-	-	-	136	731	714	735	734	530	735	715	71	5101
1990	MEAN	-	-	-	15.9	13.3	13.6	11.1	11.4	14.7	-	-	-	13.1

	MAXIMUM	-	-	-	38.5	48.0	39.7	31.7	29.0	42.2	-	-	-	48.0
	DAY-HR	-	-	-	17-06	10-20	03-22	08-12	08-11	23-01	-	-	-	MAY
	# OBS	-	-	-	379	740	694	740	744	715	-	-	-	4012
1991	MEAN	-	-	-	13.8	11.8	11.2	11.2	11.6	13.1	-	-	-	11.8
	MAXIMUM	-	-	-	35.0	29.4	38.3	25.5	28.2	37.5	-	-	-	38.3
	DAY-HR	-	-	-	29-23	26-16	27-12	01-21	31-01	17-02	-	-	-	JUN
	# OBS	-	-	-	295	668	716	737	737	408	-	-	-	3561
1992	MEAN	-	-	-	14.2	12.2	9.5	8.9	9.5	15.8	13.9	21.8	-	12.2
	MAXIMUM	-	-	-	39.7	30.7	27.6	27.0	30.1	43.9	41.2	42.4	-	43.9
	DAY-HR	-	-	-	12-07	01-16	17-12	03-03	30-19	28-17	16-20	02-15	-	SEP
	# OBS	-	-	-	538	741	714	732	727	710	734	167	-	5063
1993	MEAN	-	-	-	15.0	11.0	9.1	9.3	8.3	14.8	18.5	17.0	-	12.5
	MAXIMUM	-	-	-	35.6	31.7	24.3	26.8	23.3	35.0	49.8	32.9	-	49.8
	DAY-HR	-	-	-	16-08	28-00	15-09	10-00	31-04	30-20	21-17	02-15	-	OCT
	# OBS	-	-	-	403	740	716	590	513	717	741	73	-	4493
1994	MEAN	-	-	-	-	10.9	8.7	8.6	9.9	10.4	16.0	-	-	10.5
	MAXIMUM	-	-	-	-	30.5	35.8	24.5	40.4	31.3	34.8	-	-	40.4
	DAY-HR	-	-	-	-	16-00	14-20	04-20	28-03	25-23	09-21	-	-	AUG
	# OBS	-	-	-	-	667	718	736	737	716	513	-	-	4087
1995	MEAN	-	-	-	13.5	11.1	8.2	9.4	10.6	14.3	18.2	-	-	12.0
	MAXIMUM	-	-	-	33.2	34.0	23.7	34.2	31.5	39.1	40.4	-	-	40.4
	DAY-HR	-	-	-	18-20	17-08	20-07	14-16	31-00	07-01	15-16	-	-	OCT
	# OBS	-	-	-	418	744	718	741	741	717	683	-	-	4762
1996	MEAN	-	-	-	18.0	9.1	8.4	9.0	8.7	10.4	16.6	27.2	-	10.9
	MAXIMUM	-	-	-	36.0	28.2	26.4	22.0	24.7	32.1	45.3	40.2	-	45.3
	DAY-HR	-	-	-	26-09	18-09	29-03	19-14	05-19	27-07	30-18	01-01	-	OCT
	# OBS	-	-	-	144	736	718	838	788	716	710	96	-	4746
1997	MEAN	-	-	-	10.0	11.5	8.4	8.9	8.6	14.2	17.0	-	-	11.3
	MAXIMUM	-	-	-	23.7	35.4	33.8	32.5	24.9	32.1	40.4	-	-	40.4
	DAY-HR	-	-	-	29-15	09-13	24-00	02-18	15-07	30-13	10-05	-	-	OCT
	# OBS	-	-	-	267	740	719	734	740	718	689	-	-	4607
1998	MEAN	-	-	-	11.8	10.2	9.7	10.5	11.3	14.2	-	-	-	10.8
	MAXIMUM	-	-	-	38.5	30.9	28.4	31.9	28.0	26.8	-	-	-	38.5
	DAY-HR	-	-	-	17-16	31-20	12-14	21-22	28-05	03-05	-	-	-	APR
	# OBS	-	-	-	616	708	689	740	785	146	-	-	-	3684
1999	MEAN	-	-	-	11.6	12.9	9.7	9.6	11.0	15.4	19.2	21.6	-	13.1
	MAXIMUM	-	-	-	37.9	31.3	37.7	32.9	34.4	38.9	47.4	46.5	-	47.4
	DAY-HR	-	-	-	04-05	25-12	05-17	06-14	08-02	30-23	23-10	02-00	-	OCT
	# OBS	-	-	-	720	744	720	744	737	715	741	202	-	5323
2000	MEAN	-	-	-	13.0	11.4	10.6	9.4	11.1	17.6	16.4	20.3	-	13.1
	MAXIMUM	-	-	-	38.9	33.2	33.8	24.7	32.5	36.7	38.5	36.0	-	38.9
	DAY-HR	-	-	-	09-20	09-00	10-22	18-05	16-07	21-11	07-12	07-10	-	APR
	# OBS	-	-	-	578	695	653	742	741	706	738	229	-	5082
2001	MEAN	-	-	-	15.2	9.3	9.8	9.7	10.6	14.5	17.8	17.3	-	12.7
	MAXIMUM	-	-	-	40.6	34.0	36.2	29.4	31.1	33.2	43.2	31.7	-	43.2
	DAY-HR	-	-	-	22-02	01-01	19-13	01-12	31-04	08-21	26-15	02-19	-	OCT
	# OBS	-	-	-	96	55	718	744	744	714	744	134	-	3949
POR	MEAN	-	-	-	12.7	10.8	9.5	8.8	9.7	13.8	16.3	19.1	22.6	11.8
	MAXIMUM	-	-	-	40.6	48.0	39.7	35.2	40.4	43.9	49.8	46.9	40.8	49.8
	YEAR	-	-	-	2001	1990	1990	1982	1994	1992	1993	1984	1989	OCT/1993
	# OBS	-	-	-	6097	12338	13836	16144	16122	14468	13647	4631	71	97354

STATION: 45004 -- POR (4/1996 - 11/2001)

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

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1996	MEAN	-	-	-	19.4	10.7	10.0	10.3	10.0	11.8	41.6	28.8	-	11.3
	MAXIMUM	-	-	-	38.1	37.1	26.4	23.5	46.1	36.4	41.6	43.2	-	46.1
	DAY-HR	-	-	-	26-00	18-09	29-02	19-14	07-11	27-04	31-23	01-00	-	AUG
	MINIMUM	-	-	-	3.3	2.5	2.1	2.5	2.5	1.7	41.6	19.1	-	1.7
	DAY-HR	-	-	-	25-02	25-23	23-20	31-05	26-23	10-15	31-23	02-09	-	SEP
	# OBS	-	-	-	145	755	718	815	787	714	1	94	-	4029
1997	MEAN	-	-	-	10.5	12.9	10.1	10.4	9.8	15.7	18.7	-	-	12.7
	MAXIMUM	-	-	-	25.5	35.4	49.0	37.7	32.1	35.8	41.6	-	-	49.0

	DAY-HR	-	-	-	29-14	09-13	24-01	02-17	10-03	25-04	10-04	-	-	JUN
	MINIMUM	-	-	-	1.6	1.2	0.6	2.3	1.0	1.9	1.7	-	-	0.6
	DAY-HR	-	-	-	19-21	23-03	03-20	27-03	29-23	13-01	03-02	-	-	JUN
	# OBS	-	-	-	259	715	719	734	714	718	688	-	-	4547
1998	MEAN	-	-	-	13.1	11.7	11.1	11.9	12.6	16.5	-	-	-	12.3
	MAXIMUM	-	-	-	38.5	31.3	28.8	38.3	33.8	29.7	-	-	-	38.5
	DAY-HR	-	-	-	17-19	31-19	12-14	21-21	29-20	07-13	-	-	-	APR
	MINIMUM	-	-	-	0.0	0.0	0.0	1.4	1.9	5.2	-	-	-	0.0
	DAY-HR	-	-	-	06-11	24-04	14-18	11-05	12-05	06-15	-	-	-	JUN
	# OBS	-	-	-	616	709	691	741	788	165	-	-	-	3710
1999	MEAN	-	-	11.5	13.0	14.5	11.2	11.3	12.4	17.0	21.1	26.4	-	14.7
	MAXIMUM	-	-	11.5	39.5	33.4	42.2	44.5	36.7	41.6	48.6	46.5	-	48.6
	DAY-HR	-	-	31-23	04-05	24-18	05-17	05-10	08-01	30-22	23-09	01-23	-	OCT
	MINIMUM	-	-	11.5	0.0	2.9	1.7	1.6	1.7	1.0	2.3	9.1	-	0.0
	DAY-HR	-	-	31-23	14-00	19-22	08-23	19-02	20-23	16-13	29-03	01-00	-	APR
	# OBS	-	-	1	720	744	720	744	737	715	741	130	-	5252
2000	MEAN	-	-	-	13.7	12.9	12.2	10.8	12.4	19.2	17.9	22.0	-	14.5
	MAXIMUM	-	-	-	40.8	34.2	37.3	26.4	33.6	36.7	41.0	37.7	-	41.0
	DAY-HR	-	-	-	09-21	09-00	10-21	17-14	16-06	21-11	07-11	07-07	-	OCT
	MINIMUM	-	-	-	1.0	2.5	2.1	2.3	2.3	2.5	2.7	5.1	-	1.0
	DAY-HR	-	-	-	02-01	05-03	25-09	04-00	17-04	08-22	16-12	04-23	-	APR
	# OBS	-	-	-	689	695	653	740	741	703	738	228	-	5187
2001	MEAN	-	-	-	15.5	10.6	11.4	11.2	12.0	15.9	19.7	18.9	-	14.1
	MAXIMUM	-	-	-	30.3	34.0	37.1	32.7	36.2	34.4	45.5	33.8	-	45.5
	DAY-HR	-	-	-	29-23	01-00	19-12	01-09	01-14	08-20	26-13	02-20	-	OCT
	MINIMUM	-	-	-	4.5	4.3	2.7	2.3	2.9	1.6	2.9	3.3	-	1.6
	DAY-HR	-	-	-	27-20	30-16	23-05	27-08	04-16	29-10	22-19	05-05	-	SEP
	# OBS	-	-	-	63	54	718	744	743	714	743	132	-	3911
POR	MEAN	-	-	11.5	13.4	12.5	11.0	11.0	11.5	15.9	19.3	23.4	-	13.4
	MAXIMUM	-	-	11.5	40.8	37.1	49.0	44.5	46.1	41.6	48.6	46.5	-	49.0
	YEAR	-	-	1999	2000	1996	1997	1999	1996	1999	1999	1999	-	JUN/1997
	MINIMUM	-	-	11.5	0.0	0.0	0.0	1.4	1.0	1.0	1.7	3.3	-	0.0
	YEAR	-	-	1999	1999	1998	1998	1998	1997	1999	1997	2001	-	APR/1999
	# OBS	-	-	1	2492	3672	4219	4518	4510	3729	2911	584	-	26636

STATION: 45004 -- POR (4/1980 - 11/2001)

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1980	MEAN	-	-	-	0.7	0.5	0.5	0.3	0.5	-	-	-	-	0.5
	MAXIMUM	-	-	-	1.2	2.7	2.8	1.5	1.9	-	-	-	-	2.8
	DAY-HR	-	-	-	26-20	31-14	08-03	05-18	05-08	-	-	-	-	JUN
	# OBS	-	-	-	106	518	718	742	138	-	-	-	-	2222
1981	MEAN	-	-	-	-	0.4	0.6	0.3	0.4	1.1	1.3	1.2	-	0.7
	MAXIMUM	-	-	-	-	2.5	2.2	1.3	1.7	4.9	6.9	3.8	-	6.9
	DAY-HR	-	-	-	-	30-07	19-03	21-08	16-02	28-06	18-19	08-20	-	OCT
	# OBS	-	-	-	-	292	715	734	742	707	720	257	-	4167
1982	MEAN	-	-	-	-	0.4	0.3	0.3	0.4	0.8	1.0	1.3	-	0.6
	MAXIMUM	-	-	-	-	2.0	1.6	3.4	1.5	3.2	5.2	6.2	-	6.2
	DAY-HR	-	-	-	-	20-16	16-03	12-00	09-17	20-21	20-23	12-22	-	NOV
	# OBS	-	-	-	-	556	715	731	722	716	739	395	-	4574
1983	MEAN	-	-	-	-	-	-	0.2	0.5	-	-	-	-	0.4
	MAXIMUM	-	-	-	-	-	-	1.0	2.2	-	-	-	-	2.2
	DAY-HR	-	-	-	-	-	-	24-01	20-06	-	-	-	-	AUG
	# OBS	-	-	-	-	-	-	430	554	-	-	-	-	984
1984	MEAN	-	-	-	-	-	0.3	0.3	0.4	0.9	1.0	1.7	-	0.7
	MAXIMUM	-	-	-	-	-	0.6	3.1	1.8	2.8	5.0	5.5	-	5.5
	DAY-HR	-	-	-	-	-	29-23	06-20	23-02	26-05	28-12	02-03	-	NOV
	# OBS	-	-	-	-	-	32	735	740	713	741	297	-	3258
1985	MEAN	-	-	-	-	-	-	0.3	0.4	0.9	1.1	1.3	-	0.7
	MAXIMUM	-	-	-	-	-	-	1.3	2.0	3.9	4.0	3.1	-	4.0
	DAY-HR	-	-	-	-	-	-	25-02	19-05	24-13	05-17	08-16	-	OCT
	# OBS	-	-	-	-	-	-	668	733	702	707	302	-	3112
1986	MEAN	-	-	-	-	-	0.5	0.3	0.4	0.8	0.9	1.8	-	0.7
	MAXIMUM	-	-	-	-	-	1.4	1.1	2.2	2.7	4.0	5.2	-	5.2
	DAY-HR	-	-	-	-	-	27-02	24-10	23-13	13-12	06-03	09-09	-	NOV

	# OBS	-	-	-	-	-	295	737	741	710	741	429	-	3653
1987	MEAN	-	-	-	0.6	0.5	0.3	0.4	0.7	0.8	1.2	1.3	-	0.7
	MAXIMUM	-	-	-	3.5	2.5	1.8	1.6	2.5	2.4	5.0	3.4	-	5.0
	DAY-HR	-	-	-	27-23	22-17	08-17	17-12	30-21	30-16	02-12	05-12	-	OCT
	# OBS	-	-	-	532	740	714	740	731	669	732	234	-	5092
1988	MEAN	-	-	-	0.7	0.4	0.4	0.2	0.5	0.9	1.2	1.5	-	0.7
	MAXIMUM	-	-	-	3.6	4.5	1.9	1.2	2.7	2.5	5.5	4.3	-	5.5
	DAY-HR	-	-	-	18-07	13-12	15-18	15-22	06-07	04-17	28-18	06-08	-	OCT
	# OBS	-	-	-	662	741	713	731	738	715	743	172	-	5215
1989	MEAN	-	-	-	0.4	0.3	0.3	0.1	0.3	0.5	1.0	1.7	1.8	0.6
	MAXIMUM	-	-	-	1.4	3.3	1.6	1.0	2.0	4.1	3.9	5.1	4.4	5.1
	DAY-HR	-	-	-	30-13	05-22	07-22	28-03	30-07	23-04	02-18	20-19	02-22	NOV
	# OBS	-	-	-	134	720	710	733	728	522	729	706	68	5050
1990	MEAN	-	-	-	0.8	0.6	-	-	0.3	0.7	1.1	1.5	1.6	0.9
	MAXIMUM	-	-	-	3.3	3.8	-	-	1.7	3.8	4.6	4.2	3.9	4.6
	DAY-HR	-	-	-	17-10	10-22	-	-	19-09	23-05	18-18	25-12	23-03	OCT
	# OBS	-	-	-	373	692	-	-	741	715	738	717	742	4718
1991	MEAN	1.6	1.1	0.9	0.6	0.5	0.2	0.3	0.4	1.1	1.1	1.5	-	0.8
	MAXIMUM	4.7	3.6	3.8	2.8	3.3	1.1	1.4	1.7	4.3	3.3	4.6	-	4.7
	DAY-HR	23-00	15-06	28-09	10-11	01-11	16-11	23-19	31-10	26-12	06-21	03-08	-	JAN
	# OBS	737	670	640	707	736	717	733	729	711	741	696	-	7817
1992	MEAN	-	-	-	0.8	0.6	0.3	0.3	0.4	1.0	0.9	1.6	-	0.6
	MAXIMUM	-	-	-	5.0	2.4	2.0	1.9	2.2	5.0	5.0	4.3	-	5.0
	DAY-HR	-	-	-	12-08	23-07	19-01	04-22	31-00	28-20	16-23	02-18	-	OCT
	# OBS	-	-	-	538	741	713	731	714	698	717	160	-	5012
1993	MEAN	-	-	-	0.9	0.5	0.3	0.3	0.3	0.9	1.3	1.1	-	0.6
	MAXIMUM	-	-	-	3.0	2.2	1.6	1.7	1.3	3.4	6.6	2.5	-	6.6
	DAY-HR	-	-	-	16-16	25-03	15-14	04-22	20-17	30-23	21-18	02-18	-	OCT
	# OBS	-	-	-	402	737	709	587	512	717	742	73	-	4479
1994	MEAN	-	-	-	-	0.4	0.3	0.2	0.4	0.5	0.9	-	-	0.4
	MAXIMUM	-	-	-	-	2.2	2.2	1.4	3.0	2.8	3.2	-	-	3.2
	DAY-HR	-	-	-	-	16-04	14-22	04-22	28-14	25-21	09-14	-	-	OCT
	# OBS	-	-	-	-	665	715	729	735	713	513	-	-	4070
1995	MEAN	-	-	-	0.6	0.5	0.3	0.3	0.5	0.8	1.3	-	-	0.6
	MAXIMUM	-	-	-	2.4	2.3	2.3	1.8	2.6	3.5	4.6	-	-	4.6
	DAY-HR	-	-	-	19-18	17-16	07-15	07-12	25-19	07-06	16-03	-	-	OCT
	# OBS	-	-	-	417	744	718	741	740	717	683	-	-	4760
1996	MEAN	-	-	-	1.2	0.3	0.2	0.3	0.3	0.5	1.2	2.6	-	0.5
	MAXIMUM	-	-	-	3.6	2.4	1.4	1.2	2.1	2.5	6.5	5.0	-	6.5
	DAY-HR	-	-	-	26-12	01-04	02-14	19-15	25-10	27-11	30-20	01-02	-	OCT
	# OBS	-	-	-	144	729	717	838	788	715	710	96	-	4737
1997	MEAN	-	-	-	0.4	0.5	0.2	0.2	0.3	0.9	1.1	-	-	0.5
	MAXIMUM	-	-	-	1.5	3.0	1.7	1.6	1.2	2.9	4.3	-	-	4.3
	DAY-HR	-	-	-	30-12	09-16	16-01	02-21	16-20	24-19	10-02	-	-	OCT
	# OBS	-	-	-	267	740	718	734	740	718	689	-	-	4606
1998	MEAN	-	-	-	0.6	0.5	0.3	0.5	0.5	0.9	1.4	-	-	0.6
	MAXIMUM	-	-	-	3.4	2.1	1.7	2.7	1.9	2.5	4.9	-	-	4.9
	DAY-HR	-	-	-	17-20	31-20	12-15	21-22	17-23	24-09	18-18	-	-	OCT
	# OBS	-	-	-	618	709	689	742	787	706	496	-	-	4747
1999	MEAN	-	-	-	0.6	0.6	0.4	0.3	0.5	0.9	1.4	1.6	-	0.7
	MAXIMUM	-	-	-	3.1	2.5	1.9	2.2	2.1	2.7	5.9	5.8	-	5.9
	DAY-HR	-	-	-	04-05	25-13	05-20	06-17	08-02	26-14	23-11	02-03	-	OCT
	# OBS	-	-	-	720	744	720	744	736	715	740	202	-	5321
2000	MEAN	-	-	-	0.7	0.5	0.4	0.3	0.5	1.0	0.9	1.4	-	0.7
	MAXIMUM	-	-	-	5.1	2.1	2.7	1.9	2.6	3.2	3.5	3.6	-	5.1
	DAY-HR	-	-	-	09-21	09-03	10-22	17-21	16-08	21-14	07-13	03-20	-	APR
	# OBS	-	-	-	578	694	617	561	671	706	738	229	-	4794
2001	MEAN	-	-	-	0.8	0.2	0.3	0.3	0.4	0.8	1.2	1.2	-	0.6
	MAXIMUM	-	-	-	2.7	1.3	3.1	2.1	2.2	2.4	5.1	2.8	-	5.1
	DAY-HR	-	-	-	22-05	01-01	19-15	01-12	31-08	24-08	26-15	02-21	-	OCT
	# OBS	-	-	-	93	53	718	744	743	710	743	132	-	3936
POR	MEAN	1.6	1.1	0.9	0.7	0.5	0.3	0.3	0.4	0.8	1.1	1.5	1.7	0.7
	MAXIMUM	4.7	3.6	3.8	5.1	4.5	3.1	3.4	3.0	5.0	6.9	6.2	4.4	6.9
	YEAR	1991	1991	1991	2000	1988	2001	1982	1994	1992	1981	1982	1989	OCT/1981
	# OBS	737	670	640	6291	11551	12363	14865	15203	13995	14102	5097	810	96324

STATION: 45004

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

Month: APR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.0	-	*	-	*	0.1	*	0.1	*	*	0.1	*	*	1.5	93
1 - 3		0.8	0.9	0.5	0.7	0.8	0.8	0.6	0.6	0.7	0.8	0.6	0.6	8.4	511
4 - 6		1.9	1.8	1.1	1.4	1.8	1.6	1.3	1.5	1.2	1.4	1.8	1.9	18.6	1138
7 - 10		4.2	2.9	2.1	2.5	2.5	2.2	2.0	1.3	1.2	1.9	2.3	3.4	28.5	1738
11 - 15		2.2	2.2	2.2	2.6	2.9	2.0	2.1	1.1	0.7	1.6	2.0	2.3	24.0	1467
16 - 20		1.9	1.1	1.2	1.4	1.3	1.0	0.5	0.2	0.1	0.4	1.2	2.0	12.2	744
21 - 24		0.7	0.3	1.0	0.4	0.3	0.2	0.1	-	-	0.1	0.5	0.5	4.2	254
25 - 33		0.5	0.3	0.2	0.2	*	*	*	-	-	-	0.5	0.8	2.6	157
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.0	12.2	9.5	8.4	9.3	9.8	7.8	6.7	4.6	3.8	6.3	8.9	11.6	100.0	
TOTAL N	64	746	581	510	568	595	477	407	281	234	386	543	710		6102

(* < 0.05%)

STATION: 45004

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	1.2	0.1	*	*	*	*	*	*	*	*	0.1	*	*	1.7	205
1 - 3		0.8	0.7	0.7	0.8	0.9	0.8	0.7	0.6	0.9	1.0	0.9	0.9	9.6	1187
4 - 6		2.0	2.1	1.7	2.0	2.6	2.2	1.7	1.6	1.9	1.9	2.0	2.1	23.9	2952
7 - 10		2.5	2.4	1.9	3.7	5.2	3.2	2.4	1.8	1.6	2.2	3.1	2.3	32.3	3983
11 - 15		1.6	1.4	1.4	2.0	3.5	2.2	2.1	0.7	1.1	1.8	2.9	2.2	22.8	2816
16 - 20		0.8	0.4	0.2	0.6	1.1	0.5	0.7	0.1	0.2	0.9	0.9	1.0	7.5	931
21 - 24		0.4	*	*	0.2	0.2	0.1	*	-	*	0.2	0.2	0.4	1.8	219
25 - 33		0.1	-	-	*	*	*	-	-	*	0.1	0.1	0.2	0.4	54
34 - 47		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.2	8.3	7.1	6.0	9.4	13.4	9.1	7.7	4.8	5.6	8.1	10.1	9.2	100.0	
TOTAL N	151	1027	881	742	1156	1657	1118	950	595	694	997	1249	1131		12348

(* < 0.05%)

STATION: 45004

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	1.3	0.1	*	*	0.1	0.1	*	0.1	*	0.1	0.1	*	*	1.8	253
1 - 3		0.7	0.8	0.7	1.0	1.0	1.1	0.9	1.0	0.9	1.1	0.9	0.8	10.9	1513
4 - 6		2.0	1.7	1.8	2.5	3.3	2.7	2.2	2.2	2.3	2.7	2.6	2.0	28.0	3882
7 - 10		2.1	1.7	1.6	3.4	5.0	4.0	3.2	2.5	2.4	3.6	4.0	2.5	36.0	4982
11 - 15		1.2	0.4	0.6	1.7	2.2	2.2	2.0	1.6	1.0	2.2	2.5	1.6	19.1	2651
16 - 20		0.5	0.1	0.1	0.4	0.4	0.3	0.3	0.1	0.2	0.5	0.3	0.4	3.6	494
21 - 24		*	-	*	*	*	*	0.1	*	*	*	*	0.1	0.4	55
25 - 33		-	*	-	*	*	*	*	-	*	*	-	-	0.1	15
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.3	6.6	4.7	4.8	9.2	12.0	10.4	8.8	7.4	6.8	10.1	10.4	7.5	100.0	
TOTAL N	177	918	649	663	1270	1668	1439	1222	1023	943	1399	1442	1032		13845

(* < 0.05%)

STATION: 45004

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	1.9	0.1	*	*	0.1	0.1	*	0.1	0.1	*	0.1	*	*	2.6	425
1 - 3		0.9	0.8	0.9	1.0	1.1	1.0	1.1	1.2	1.4	1.0	1.0	1.0	12.3	1982
4 - 6		1.7	1.5	1.4	2.1	3.0	3.2	3.1	3.0	2.6	3.0	2.9	2.4	30.0	4855
7 - 10		1.5	1.0	1.1	2.8	3.6	3.6	4.1	4.0	2.9	4.2	4.4	2.5	35.7	5775
11 - 15		0.6	0.2	0.3	1.0	1.4	1.6	2.2	1.5	1.1	2.6	2.5	1.3	16.2	2622
16 - 20		0.2	*	*	0.2	0.2	0.2	0.4	0.1	0.1	0.6	0.4	0.2	2.7	439
21 - 24		-	-	*	0.1	*	-	*	*	*	0.1	0.1	*	0.3	52
25 - 33		-	-	-	*	-	-	-	-	-	*	-	-	0.1	9
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.9	5.0	3.6	3.8	7.2	9.4	9.7	11.1	9.8	8.2	11.6	11.3	7.4	100.0	

TOTAL N 306 803 578 610 1170 1520 1564 1793 1589 1324 1881 1827 1194 16159
 (* < 0.05%)

STATION: 45004

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	2.1	0.1	*	*	0.1	*	*	0.1	0.1	*	0.1	*	*	2.7	434
1 - 3		0.9	0.7	0.5	0.6	0.7	1.0	1.1	1.0	1.1	1.3	1.1	0.9	11.2	1809
4 - 6		1.8	1.4	1.0	1.5	2.4	2.9	2.8	2.7	2.2	2.5	2.9	2.2	26.6	4285
7 - 10		2.0	1.2	0.9	1.7	3.2	3.8	4.2	4.2	2.8	3.7	4.2	2.5	34.5	5562
11 - 15		1.0	0.5	0.5	0.7	1.7	2.7	3.1	2.0	0.9	1.7	2.7	1.8	19.1	3077
16 - 20		0.5	0.1	0.1	0.1	0.2	0.4	0.8	0.3	0.1	0.8	0.9	0.6	5.0	812
21 - 24		0.2	*	*	*	*	0.1	0.1	*	*	0.1	0.1	0.2	0.9	139
25 - 33		*	-	-	-	*	*	*	-	-	*	-	*	0.1	19
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	2.1	6.5	4.0	3.1	4.7	8.3	10.9	12.3	10.3	7.2	10.2	12.1	8.3	100.0	
TOTAL N	335	1052	650	498	757	1344	1765	1985	1665	1164	1639	1945	1338		16137

(* < 0.05%)

STATION: 45004

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	1.1	*	*	*	*	*	*	*	*	*	*	*	*	1.4	205
1 - 3		0.6	0.5	0.3	0.5	0.5	0.6	0.4	0.6	0.5	0.6	0.6	0.5	6.2	893
4 - 6		1.4	1.0	0.8	1.0	1.2	1.3	1.4	1.5	1.4	1.2	1.6	1.4	15.0	2173
7 - 10		2.4	1.6	1.3	1.4	2.4	2.6	2.9	4.0	2.2	2.5	2.5	2.3	27.9	4040
11 - 15		1.9	1.1	1.0	1.4	1.9	3.3	4.1	3.5	1.8	2.9	3.2	2.4	28.6	4143
16 - 20		1.5	0.9	0.4	0.6	0.9	1.8	2.4	1.2	0.9	1.5	2.0	1.9	16.0	2316
21 - 24		0.7	0.4	0.2	0.1	0.1	0.2	0.4	0.2	0.2	0.4	0.5	0.6	3.9	562
25 - 33		0.1	0.1	*	*	-	*	0.1	*	0.1	0.2	0.1	0.3	1.0	150
34 - 47		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.1	8.7	5.6	4.0	5.1	7.0	9.8	11.7	10.9	7.0	9.3	10.4	9.4	100.0	
TOTAL N	161	1258	810	576	736	1013	1423	1691	1584	1019	1343	1510	1359		14483

(* < 0.05%)

STATION: 45004

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	0.8	*	-	*	*	*	*	0.1	*	0.1	*	*	*	1.1	148
1 - 3		0.4	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	4.9	674
4 - 6		1.0	0.7	0.7	0.7	1.2	1.2	1.1	1.0	1.1	1.2	1.0	1.0	11.9	1619
7 - 10		1.7	1.1	0.8	1.3	2.1	2.4	2.7	2.4	1.5	1.8	1.7	1.9	21.5	2936
11 - 15		2.1	1.4	1.1	1.3	2.2	3.1	3.8	3.2	1.6	2.3	3.1	2.7	28.0	3825
16 - 20		2.0	1.1	0.9	0.7	1.2	1.7	3.3	1.8	0.8	2.0	3.0	2.8	21.1	2884
21 - 24		1.2	0.4	0.3	0.2	0.4	0.4	0.7	0.4	0.2	0.6	1.1	1.3	7.2	978
25 - 33		0.9	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.5	0.8	0.8	4.1	557
34 - 47		0.1	-	-	-	-	-	-	-	-	*	0.1	0.1	0.3	36
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	9.3	5.2	4.2	4.9	7.7	9.2	12.2	9.4	5.8	8.9	11.2	11.0	100.0	
TOTAL N	113	1267	714	574	669	1056	1260	1672	1283	793	1218	1535	1503		13657

(* < 0.05%)

STATION: 45004

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	0.3	-	-	*	*	*	*	*	*	*	*	*	*	0.6	29
1 - 3		0.3	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.3	0.3	0.2	0.3	3.5	161
4 - 6		1.0	0.5	0.5	0.4	0.5	0.8	1.1	0.5	0.6	1.0	0.6	0.9	8.2	380
7 - 10		2.1	1.5	1.0	0.6	0.5	1.5	1.6	2.1	1.4	1.2	1.9	1.6	16.9	784
11 - 15		3.6	2.6	0.7	0.4	0.9	2.4	2.5	3.1	1.9	2.4	3.2	3.6	27.2	1261
16 - 20		3.4	1.7	0.6	0.4	1.1	1.9	2.7	2.2	1.1	1.7	4.5	5.4	26.7	1237
21 - 24		1.1	0.3	0.1	0.2	0.8	0.2	0.8	0.9	1.0	0.8	2.2	2.0	10.3	479
25 - 33		0.8	0.5	0.4	0.5	0.3	0.1	0.1	0.2	0.4	1.1	1.2	1.0	6.5	301

34 - 47	-	-	-	*	-	-	-	-	-	-	*	*	*	0.1	5
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	12.3	7.2	3.6	2.8	4.3	7.2	9.2	9.3	6.6	8.5	13.8	14.8	100.0	
TOTAL N	16	572	333	166	132	201	335	427	430	305	394	640	686		4637

(* < 0.05%)

STATION: 45004

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	0.0	-	-	-	-	-	-	-	-	-	1.4	-	-	1.4	1
1 - 3		1.4	-	-	-	-	-	1.4	1.4	-	-	-	-	4.2	3
4 - 6		-	-	-	-	-	-	1.4	-	-	-	-	2.8	4.2	3
7 - 10		1.4	2.8	-	1.4	2.8	-	-	-	-	-	1.4	2.8	12.5	9
11 - 15		2.8	-	1.4	9.7	1.4	1.4	-	-	1.4	-	-	-	18.1	13
16 - 20		8.3	-	-	-	-	5.6	1.4	1.4	1.4	-	1.4	1.4	20.8	15
21 - 24		8.3	1.4	-	-	-	1.4	4.2	-	-	-	4.2	-	19.4	14
25 - 33		9.7	6.9	-	-	-	1.4	1.4	-	-	-	-	-	19.4	14
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	31.9	11.1	1.4	11.1	4.2	9.7	9.7	2.8	2.8	1.4	6.9	6.9	100.0	
TOTAL N	0	23	8	1	8	3	7	7	2	2	1	5	5		72

(* < 0.05%)

STATION: 45004

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	1.4	0.1	*	*	0.1	*	*	0.1	*	*	0.1	*	*	1.8	1793
1 - 3		0.7	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.8	0.7	9.0	8733
4 - 6		1.6	1.4	1.2	1.6	2.2	2.2	2.0	1.9	1.8	2.0	2.1	1.8	21.8	21287
7 - 10		2.2	1.6	1.3	2.3	3.3	3.1	3.1	3.0	2.2	2.9	3.2	2.4	30.6	29809
11 - 15		1.5	1.0	0.9	1.3	2.1	2.5	2.8	2.1	1.2	2.2	2.8	2.1	22.4	21875
16 - 20		1.1	0.5	0.4	0.5	0.7	0.9	1.3	0.6	0.4	1.0	1.4	1.4	10.1	9872
21 - 24		0.4	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.4	0.5	2.8	2752
25 - 33		0.2	0.1	*	0.1	*	*	*	*	*	0.2	0.2	0.3	1.3	1276
34 - 47		*	-	-	*	-	-	-	-	-	*	*	*	0.0	43
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.4	7.9	5.3	4.5	6.6	9.3	9.6	10.4	8.7	6.6	9.5	11.0	9.2	100.0	
TOTAL N	1323	7666	5204	4340	6466	9057	9388	10154	8452	6478	9258	10696	8958		97440

(* < 0.05%)

STATION: 45004

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	0.0	-	-	-	-	-	-	-	-	-	1.4	-	-	1.4	1
1 - 3		1.4	-	-	-	-	-	1.4	1.4	-	-	-	-	4.2	3
4 - 6		-	-	-	-	-	-	1.4	-	-	-	-	2.8	4.2	3
7 - 10		1.4	2.8	-	1.4	2.8	-	-	-	-	-	1.4	2.8	12.5	9
11 - 15		2.8	-	1.4	9.7	1.4	1.4	-	-	1.4	-	-	-	18.1	13
16 - 20		8.3	-	-	-	-	5.6	1.4	1.4	1.4	-	1.4	1.4	20.8	15
21 - 24		8.3	1.4	-	-	-	1.4	4.2	-	-	-	4.2	-	19.4	14
25 - 33		9.7	6.9	-	-	-	1.4	1.4	-	-	-	-	-	19.4	14
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	31.9	11.1	1.4	11.1	4.2	9.7	9.7	2.8	2.8	1.4	6.9	6.9	100.0	
TOTAL N	0	23	8	1	8	3	7	7	2	2	1	5	5		72

(* < 0.05%)

STATION: 45004

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	1.2	0.1	*	*	*	*	*	0.1	*	*	0.1	*	*	1.6	298
1 - 3		0.8	0.8	0.7	0.8	0.9	0.8	0.6	0.6	0.8	0.9	0.8	0.8	9.2	1698
4 - 6		2.0	2.0	1.5	1.8	2.3	2.0	1.6	1.5	1.6	1.8	1.9	2.0	22.2	4090
7 - 10		3.1	2.6	2.0	3.3	4.3	2.9	2.2	1.6	1.4	2.1	2.8	2.7	31.0	5721
11 - 15		1.8	1.7	1.6	2.2	3.3	2.1	2.1	0.9	1.0	1.8	2.6	2.3	23.2	4283

16 - 20	1.1	0.6	0.6	0.8	1.2	0.7	0.6	0.1	0.2	0.8	1.0	1.3	9.1	1675
21 - 24	0.5	0.1	0.3	0.3	0.2	0.1	0.1	-	*	0.1	0.3	0.4	2.6	473
25 - 33	0.2	0.1	0.1	0.1	*	*	*	-	*	*	0.2	0.4	1.1	211
34 - 47	-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.2	9.6	7.9	6.8	9.3	12.2	8.6	7.4	4.7	5.0	7.5	9.7	10.0	100.0
TOTAL N	215	1773	1462	1252	1724	2252	1595	1357	876	928	1383	1792	1841	18450

(* < 0.05%)

STATION: 45004

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

Months: JUN, JUL, AUG (Summer)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.8	0.1	*	*	0.1	0.1	*	0.1	*	*	0.1	*	*	2.4	1112
1 - 3		0.8	0.8	0.7	0.9	0.9	1.0	1.1	1.1	1.1	1.1	1.0	0.9	11.5	5304
4 - 6		1.8	1.5	1.4	2.0	2.9	3.0	2.8	2.7	2.4	2.7	2.8	2.2	28.2	13022
7 - 10		1.9	1.3	1.2	2.6	3.9	3.8	3.9	3.6	2.7	3.8	4.2	2.5	35.4	16319
11 - 15		0.9	0.4	0.4	1.1	1.8	2.2	2.4	1.7	1.0	2.2	2.6	1.5	18.1	8350
16 - 20		0.4	0.1	0.1	0.2	0.3	0.3	0.5	0.2	0.1	0.6	0.6	0.4	3.8	1745
21 - 24		0.1	*	*	*	*	*	0.1	*	*	0.1	0.1	0.1	0.5	246
25 - 33		*	*	-	*	*	*	*	-	*	*	-	*	0.1	43
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.8	6.0	4.1	3.8	6.9	9.8	10.3	10.8	9.3	7.4	10.7	11.3	7.7	100.0	
TOTAL N	818	2773	1877	1771	3197	4532	4768	5000	4277	3431	4919	5214	3564		46141

(* < 0.05%)

STATION: 45004

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

Months: SEP, OCT, NOV (Autumn)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.9	*	*	*	*	*	*	0.1	*	*	*	*	*	1.2	382
1 - 3		0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4	5.3	1728
4 - 6		1.2	0.8	0.7	0.8	1.1	1.2	1.2	1.1	1.1	1.2	1.2	1.2	12.7	4172
7 - 10		2.0	1.4	1.1	1.3	2.0	2.3	2.6	3.0	1.8	2.0	2.1	2.0	23.7	7760
11 - 15		2.2	1.5	1.0	1.2	1.9	3.1	3.8	3.3	1.8	2.6	3.2	2.7	28.2	9229
16 - 20		2.0	1.1	0.6	0.6	1.1	1.7	2.8	1.6	0.8	1.7	2.8	2.7	19.6	6437
21 - 24		0.9	0.4	0.2	0.2	0.3	0.3	0.6	0.4	0.3	0.5	1.0	1.1	6.2	2019
25 - 33		0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.6	0.6	3.1	1008
34 - 47		*	-	-	*	-	-	-	-	-	*	*	*	0.1	42
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.9	9.4	5.7	4.0	4.7	6.9	9.2	11.6	10.1	6.5	9.0	11.2	10.8	100.0	
TOTAL N	290	3097	1857	1316	1537	2270	3018	3790	3297	2117	2955	3685	3548		32777

(* < 0.05%)

STATION: 45004

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

Month: JAN

		WAVE HEIGHT														TOT %	TOT N
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		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4 - 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
7 - 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11 - 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16 - 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21 - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	6.1	40.3	39.3	11.9	2.0	0.3	-	-	-	-	-	-	-	-	-	100.0	737
TOTAL %	6.1	40.3	39.3	11.9	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	45	297	290	88	15	2	0	0	0	0	0	0	0	0	0		737

(* < 0.05%)

STATION: 45004

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

Month: FEB

		WAVE HEIGHT														TOT %	TOT N
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		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4 - 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
7 - 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11 - 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16 - 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21 - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	6.1	40.3	39.3	11.9	2.0	0.3	-	-	-	-	-	-	-	-	-	100.0	737

1 - 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4 - 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
7 - 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11 - 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16 - 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21 - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	20.7	51.9	20.9	6.0	0.4	-	-	-	-	-	-	-	-	-	-	100.0	670
TOTAL %	20.7	51.9	20.9	6.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	139	348	140	40	3	0	0	0	0	0	0	0	0	0	0		670

(* < 0.05%)

STATION: 45004

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	>13.4	0.0	0
1 - 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4 - 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
7 - 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11 - 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16 - 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21 - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	32.8	49.7	10.6	6.3	0.6	-	-	-	-	-	-	-	-	-	-	100.0	640
TOTAL %	32.8	49.7	10.6	6.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	210	318	68	40	4	0	0	0	0	0	0	0	0	0	0		640

(* < 0.05%)

STATION: 45004

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

Month: APR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	1.4	88
1 - 3	1.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	471
4 - 6	6.6	0.8	*	-	-	-	-	-	-	-	-	-	-	-	-	17.1	1076
7 - 10	14.6	2.4	*	-	-	-	-	-	-	-	-	-	-	-	-	26.2	1646
11 - 15	15.6	10.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	23.0	1446
16 - 20	5.1	17.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	11.7	735
21 - 24	0.1	8.1	3.4	0.2	-	-	-	-	-	-	-	-	-	-	-	4.0	253
25 - 33	-	0.7	2.5	0.7	0.1	-	-	-	-	-	-	-	-	-	-	2.5	156
34 - 47	-	*	0.8	1.4	0.2	0.1	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	420
TOTAL %	46.3	42.8	8.2	2.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2913	2695	513	150	16	4	0	0	0	0	0	0	0	0	0		6291

(* < 0.05%)

STATION: 45004

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	1.6	184
1 - 3	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6	1107
4 - 6	8.8	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	23.9	2759
7 - 10	20.4	3.5	*	-	-	-	-	-	-	-	-	-	-	-	-	31.4	3630
11 - 15	22.3	9.0	0.1	-	-	-	-	-	-	-	-	-	-	-	-	22.7	2627
16 - 20	6.8	15.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	7.7	892
21 - 24	0.2	5.5	1.8	0.1	-	-	-	-	-	-	-	-	-	-	-	1.9	219
25 - 33	-	0.6	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	0.5	53
34 - 47	-	*	0.2	0.1	0.1	*	-	-	-	-	-	-	-	-	-	0.0	1
> 48	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.7	79
TOTAL %	60.1	34.8	4.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	6937	4022	524	58	9	1	0	0	0	0	0	0	0	0	0		11551

(* < 0.05%)

34 - 47	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	1.1	4.4	1.3	0.3	0.2	-	-	-	-	-	-	-	-	-	-	-	7.3	1017
TOTAL %	30.1	55.6	12.2	1.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4208	7779	1709	226	59	14	0	0	0	0	0	0	0	0	0	0		13995

(* < 0.05%)

STATION: 45004

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

Month: OCT

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	1.0	141
1 - 3	0.7	0.3	*	-	-	-	-	-	-	-	-	-	-	-	-	4.3	602
4 - 6	2.7	1.5	*	-	-	-	-	-	-	-	-	-	-	-	-	10.1	1419
7 - 10	5.5	4.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	17.8	2512
11 - 15	5.9	11.5	0.4	*	-	-	-	-	-	-	-	-	-	-	-	23.6	3332
16 - 20	1.7	18.9	3.0	0.1	-	-	-	-	-	-	-	-	-	-	-	18.6	2627
21 - 24	0.1	9.2	8.4	0.8	0.1	-	-	-	-	-	-	-	-	-	-	6.4	906
25 - 33	-	0.8	3.5	1.9	0.2	*	-	-	-	-	-	-	-	-	-	3.9	550
34 - 47	-	0.1	0.9	1.5	0.8	0.5	0.1	*	-	-	-	-	-	-	-	0.3	36
> 48	-	-	-	-	*	0.2	*	*	-	-	-	-	-	-	-	14.0	1977
TOTAL %	19.1	54.4	19.2	5.2	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2690	7665	2711	727	190	94	20	5	0	0	0	0	0	0	0		14102

(* < 0.05%)

STATION: 45004

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

Month: NOV

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.5	27
1 - 3	0.3	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	117
4 - 6	1.2	1.1	*	-	-	-	-	-	-	-	-	-	-	-	-	5.4	275
7 - 10	2.6	2.8	*	-	-	-	-	-	-	-	-	-	-	-	-	11.5	585
11 - 15	2.0	8.8	0.6	*	-	-	-	-	-	-	-	-	-	-	-	17.5	890
16 - 20	0.6	11.7	5.0	0.1	-	-	-	-	-	-	-	-	-	-	-	20.3	1037
21 - 24	*	6.2	12.3	1.7	0.2	*	-	-	-	-	-	-	-	-	-	8.8	451
25 - 33	-	0.4	4.8	3.2	0.3	0.1	*	-	-	-	-	-	-	-	-	5.7	293
34 - 47	-	0.1	0.5	2.1	1.9	1.1	0.1	-	-	-	-	-	-	-	-	0.1	5
> 48	-	-	-	*	0.1	*	-	-	-	-	-	-	-	-	-	27.8	1417
TOTAL %	8.6	44.7	31.8	10.7	3.0	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	438	2276	1621	544	151	61	6	0	0	0	0	0	0	0	0		5097

(* < 0.05%)

STATION: 45004

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

Month: DEC

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.1	1
1 - 3	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	3
4 - 6	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	3
7 - 10	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	9
11 - 15	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	12
16 - 20	-	1.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.7	14
21 - 24	-	0.5	1.2	-	-	-	-	-	-	-	-	-	-	-	-	1.7	14
25 - 33	-	-	1.1	0.6	-	-	-	-	-	-	-	-	-	-	-	1.5	12
34 - 47	-	-	0.2	0.1	1.1	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.6	742
TOTAL %	2.8	40.9	39.9	14.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	23	331	323	117	16	0	0	0	0	0	0	0	0	0	0		810

(* < 0.05%)

STATION: 45004

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

All Months: Annual

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

0	1.6	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	1.8	1693
1 - 3	7.4	0.9	*	-	-	-	-	-	-	-	-	-	-	-	-	8.4	8082
4 - 6	17.0	3.4	*	-	-	-	-	-	-	-	-	-	-	-	-	20.4	19676
7 - 10	17.6	10.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	27.8	26822
11 - 15	4.7	14.0	1.4	*	-	-	-	-	-	-	-	-	-	-	-	20.1	19343
16 - 20	0.1	5.5	3.5	0.3	*	*	-	-	-	-	-	-	-	-	-	9.4	9071
21 - 24	*	0.5	1.6	0.6	0.1	*	*	-	-	-	-	-	-	-	-	2.7	2623
25 - 33	-	*	0.3	0.5	0.3	0.1	*	*	*	-	-	-	-	-	-	1.3	1252
34 - 47	-	-	*	*	*	*	*	*	*	-	-	-	-	-	-	0.0	43
> 48	1.3	4.0	2.0	0.7	0.1	*	-	-	-	-	-	-	-	-	-	8.0	7719
TOTAL %	49.7	38.6	9.0	2.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	47834	37162	8634	2024	463	176	26	5	0	0	0	0	0	0	0		96324

(* < 0.05%)

STATION: 45004

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

Months: DEC, JAN, FEB (Winter)

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED	0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.0	1
1 - 3	0	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	3
4 - 6	0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	3
7 - 10	0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	9
11 - 15	0	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	12
16 - 20	0	-	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.6	14
21 - 24	0	-	0.2	0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.6	14
25 - 33	0	-	-	0.4	0.2	-	-	-	-	-	-	-	-	-	-	-	0.5	12
34 - 47	0	-	-	0.1	*	0.4	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0	9.3	42.7	32.9	10.8	1.1	0.1	-	-	-	-	-	-	-	-	-	96.9	2149
TOTAL %		9.3	44.0	34.0	11.1	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		207	976	753	245	34	2	0	0	0	0	0	0	0	0	0		2217

(* < 0.05%)

STATION: 45004

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

Months: MAR, APR, MAY (Spring)

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED	0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.5	272
1 - 3	0	1.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	8.5	1578
4 - 6	0	7.7	0.8	*	-	-	-	-	-	-	-	-	-	-	-	-	20.7	3835
7 - 10	0	17.7	3.0	*	-	-	-	-	-	-	-	-	-	-	-	-	28.5	5276
11 - 15	0	19.3	9.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	22.0	4073
16 - 20	0	6.0	15.3	0.8	-	-	-	-	-	-	-	-	-	-	-	-	8.8	1627
21 - 24	0	0.2	6.2	2.3	0.1	-	-	-	-	-	-	-	-	-	-	-	2.6	472
25 - 33	0	-	0.6	1.6	0.3	*	-	-	-	-	-	-	-	-	-	-	1.1	209
34 - 47	0	-	*	0.4	0.6	0.1	*	-	-	-	-	-	-	-	-	-	0.0	1
> 48	0	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	6.2	1139
TOTAL %		54.4	38.1	6.0	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		10060	7035	1105	248	29	5	0	0	0	0	0	0	0	0	0		18482

(* < 0.05%)

STATION: 45004

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

Months: JUN, JUL, AUG (Summer)

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED	0	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	-	2.5	1057
1 - 3	0	2.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	11.8	4988
4 - 6	0	11.1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	28.8	12201
7 - 10	0	25.7	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	14832
11 - 15	0	25.6	9.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	17.4	7390
16 - 20	0	6.3	10.7	0.4	-	-	-	-	-	-	-	-	-	-	-	-	3.9	1665
21 - 24	0	0.2	2.9	0.9	*	-	-	-	-	-	-	-	-	-	-	-	0.6	236
25 - 33	0	*	0.2	0.3	*	-	-	-	-	-	-	-	-	-	-	-	0.1	42
34 - 47	0	-	*	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %		71.2	26.9	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		30231	11431	735	34	0	0	0	0	0	0	0	0	0	0	0		42431

(* < 0.05%)

STATION: 45004

TOTAL %	32.8	49.7	10.6	6.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	210	318	68	40	4	0	0	0	0	0	0	0	0	0	0		640

(* < 0.05%)

STATION: 45004

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		12.6	794
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	22
2.5 - 3.4	21.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.0	1509
3.5 - 4.4	10.6	16.8	-	-	-	-	-	-	-	-	-	-	-	-	-	27.4	1721
4.5 - 5.4	1.0	19.4	0.9	-	-	-	-	-	-	-	-	-	-	-	-	21.3	1339
5.5 - 6.4	0.1	4.2	5.3	0.2	-	-	-	-	-	-	-	-	-	-	-	9.7	610
6.5 - 7.4	*	0.1	1.9	1.3	-	-	-	-	-	-	-	-	-	-	-	3.3	210
7.5 - 8.4	*	-	0.1	0.9	0.2	*	-	-	-	-	-	-	-	-	-	1.3	79
8.5 - 9.4	-	-	-	-	0.1	*	-	-	-	-	-	-	-	-	-	0.1	7
TOTAL %	46.3	42.8	8.2	2.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2913	2695	513	150	16	4	0	0	0	0	0	0	0	0	0		6291

(* < 0.05%)

STATION: 45004

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		18.6	2154
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	138
2.5 - 3.4	24.7	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8	3216
3.5 - 4.4	13.8	15.6	*	-	-	-	-	-	-	-	-	-	-	-	-	29.4	3400
4.5 - 5.4	1.7	12.8	0.6	-	-	-	-	-	-	-	-	-	-	-	-	15.1	1749
5.5 - 6.4	*	3.2	2.8	*	-	-	-	-	-	-	-	-	-	-	-	6.0	690
6.5 - 7.4	-	0.1	1.1	0.2	-	-	-	-	-	-	-	-	-	-	-	1.4	157
7.5 - 8.4	-	-	0.1	0.2	0.1	-	-	-	-	-	-	-	-	-	-	0.4	42
8.5 - 9.4	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	60.1	34.8	4.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	6936	4022	524	58	9	1	0	0	0	0	0	0	0	0	0		11550

(* < 0.05%)

STATION: 45004

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		26.1	3227
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	196
2.5 - 3.4	28.0	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	31.5	3896
3.5 - 4.4	14.7	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8	3436
4.5 - 5.4	1.1	8.7	0.2	-	-	-	-	-	-	-	-	-	-	-	-	10.1	1245
5.5 - 6.4	*	1.8	0.8	-	-	-	-	-	-	-	-	-	-	-	-	2.7	328
6.5 - 7.4	-	*	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.3	33
7.5 - 8.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	71.6	27.0	1.3	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	8853	3343	161	6	0	0	0	0	0	0	0	0	0	0	0		12363

(* < 0.05%)

STATION: 45004

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4		21.3	3160
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	321
2.5 - 3.4	36.3	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	39.1	5814

3.5 - 4.4	17.1	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.2	4046
4.5 - 5.4	1.4	6.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	1215
5.5 - 6.4	0.1	1.2	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	255
6.5 - 7.4	*	*	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3	47
7.5 - 8.4	-	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	6
TOTAL %	78.3	20.8	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	11641	3089	119	15	0	0	0	0	0	0	0	0	0	0	0	0		14864

(* < 0.05%)

STATION: 45004

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	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	15.3	2332	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.3	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	200
2.5 - 3.4	29.1	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.9	4847
3.5 - 4.4	16.6	15.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	32.1	4877
4.5 - 5.4	1.7	11.8	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8	2101
5.5 - 6.4	0.1	2.7	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	691
6.5 - 7.4	-	0.1	0.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.0	147
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
TOTAL %	64.0	32.9	3.0	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	9735	4998	455	13	0	0	0	0	0	0	0	0	0	0	0	0		15201

(* < 0.05%)

STATION: 45004

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	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	4.5	631	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.3	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	46
2.5 - 3.4	13.8	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.1	2389
3.5 - 4.4	10.5	21.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	31.9	4463
4.5 - 5.4	0.8	23.9	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	26.2	3667
5.5 - 6.4	0.1	6.7	7.6	0.1	-	-	-	-	-	-	-	-	-	-	-	-	14.6	2042
6.5 - 7.4	-	0.3	2.9	0.8	*	-	-	-	-	-	-	-	-	-	-	-	4.1	573
7.5 - 8.4	-	-	0.1	0.7	0.3	*	-	-	-	-	-	-	-	-	-	-	1.1	152
8.5 - 9.4	-	*	*	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.2	32
TOTAL %	30.1	55.6	12.2	1.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4208	7779	1709	226	59	14	0	0	0	0	0	0	0	0	0	0		13995

(* < 0.05%)

STATION: 45004

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	>13.4	1.3	182	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	58
2.5 - 3.4	8.9	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.9	1679
3.5 - 4.4	7.4	17.9	*	-	-	-	-	-	-	-	-	-	-	-	-	-	25.3	3567
4.5 - 5.4	1.0	25.0	2.1	*	-	-	-	-	-	-	-	-	-	-	-	-	28.0	3953
5.5 - 6.4	0.2	8.0	11.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	20.1	2832
6.5 - 7.4	*	0.3	5.2	2.8	0.1	-	-	-	-	-	-	-	-	-	-	-	8.5	1196
7.5 - 8.4	*	*	0.3	2.0	0.9	0.1	-	-	-	-	-	-	-	-	-	-	3.4	480
8.5 - 9.4	-	-	-	-	0.3	0.5	0.1	*	-	-	-	-	-	-	-	-	0.9	128
9.5 - 10.4	-	-	-	-	*	0.1	0.1	*	-	-	-	-	-	-	-	-	0.2	24
10.5 - 11.4	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	19.1	54.4	19.2	5.2	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2690	7665	2710	727	190	94	20	5	0	0	0	0	0	0	0	0		14101

(* < 0.05%)

STATION: 45004

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			
0.4	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4				
< 0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	9
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	13
2.5 - 3.4	3.8	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	314
3.5 - 4.4	3.8	11.8	*	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	797
4.5 - 5.4	0.5	21.0	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	24.2	1232
5.5 - 6.4	0.1	8.9	19.4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	28.9	1475
6.5 - 7.4	-	0.6	8.9	5.6	0.2	-	-	-	-	-	-	-	-	-	-	-	15.4	784
7.5 - 8.4	-	-	0.5	4.4	2.3	0.3	-	-	-	-	-	-	-	-	-	-	7.4	379
8.5 - 9.4	-	-	0.1	0.1	0.4	0.7	*	-	-	-	-	-	-	-	-	-	1.4	71
9.5 - 10.4	-	-	-	0.1	0.1	0.2	0.1	-	-	-	-	-	-	-	-	-	0.4	22
10.5 - 11.4	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	8.6	44.7	31.8	10.7	3.0	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	438	2276	1621	544	151	61	6	0	0	0	0	0	0	0	0	0		5097

(* < 0.05%)

STATION: 45004

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				
0.4	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4					
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
2.5 - 3.4	0.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	14
3.5 - 4.4	1.7	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0	89
4.5 - 5.4	0.2	18.3	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.6	159
5.5 - 6.4	-	11.0	18.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	29.5	239
6.5 - 7.4	-	1.0	20.1	9.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	31.0	251
7.5 - 8.4	-	0.4	0.2	4.6	1.6	-	-	-	-	-	-	-	-	-	-	-	-	6.8	55
8.5 - 9.4	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.2	2
TOTAL %	2.8	40.9	39.9	14.4	2.0	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	23	331	323	117	16	0	0	0	0	0	0	0	0	0	0	0		810	

(* < 0.05%)

STATION: 45004

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				
0.4	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4					
< 0.5	13.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	12489
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	1027
2.5 - 3.4	21.8	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.7	23828
3.5 - 4.4	12.5	15.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.9	26917
4.5 - 5.4	1.2	15.7	0.9	*	-	-	-	-	-	-	-	-	-	-	-	-	-	17.8	17190
5.5 - 6.4	0.1	4.4	5.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	9577
6.5 - 7.4	*	0.2	2.5	1.1	*	-	-	-	-	-	-	-	-	-	-	-	-	3.8	3670
7.5 - 8.4	*	*	0.1	0.9	0.3	*	-	-	-	-	-	-	-	-	-	-	-	1.4	1322
8.5 - 9.4	-	*	*	*	0.1	0.1	*	*	-	-	-	-	-	-	-	-	-	0.3	249
9.5 - 10.4	-	-	-	-	*	*	*	*	-	-	-	-	-	-	-	-	-	0.0	46
10.5 - 11.4	-	*	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	3
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	49.7	38.6	9.0	2.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	47831	37161	8633	2024	463	176	26	5	0	0	0	0	0	0	0	0		96319	

(* < 0.05%)

STATION: 45004

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			
0.4	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				

TOTAL N 7336 17720 6040 1497 400 169 26 5 0 0 0 0 0 0 0 0 33193
 (* < 0.05%)

STATION: 45004

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

Month: JAN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.2	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	23
3.5 - 4.4	3.9	27.7	0.7	-	-	-	-	-	-	-	-	-	-	-	-	32.3	238
4.5 - 5.4	-	11.7	29.7	-	-	-	-	-	-	-	-	-	-	-	-	41.4	305
5.5 - 6.4	-	-	9.0	11.7	0.8	-	-	-	-	-	-	-	-	-	-	21.4	158
6.5 - 7.4	-	-	-	0.3	1.2	0.3	-	-	-	-	-	-	-	-	-	1.8	13
TOTAL %	6.1	40.3	39.3	11.9	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	45	297	290	88	15	2	0	0	0	0	0	0	0	0	0		737

STATION: 45004

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

Month: FEB

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	9
2.5 - 3.4	13.4	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5	104
3.5 - 4.4	6.0	41.0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	47.5	318
4.5 - 5.4	-	8.8	17.3	0.1	-	-	-	-	-	-	-	-	-	-	-	26.3	176
5.5 - 6.4	-	-	3.1	5.5	0.3	-	-	-	-	-	-	-	-	-	-	9.0	60
6.5 - 7.4	-	-	-	0.3	0.1	-	-	-	-	-	-	-	-	-	-	0.4	3
TOTAL %	20.7	51.9	20.9	6.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	139	348	140	40	3	0	0	0	0	0	0	0	0	0	0		670

STATION: 45004

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	15
2.5 - 3.4	18.1	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0	128
3.5 - 4.4	10.0	39.8	-	-	-	-	-	-	-	-	-	-	-	-	-	49.8	319
4.5 - 5.4	2.3	8.0	8.6	-	-	-	-	-	-	-	-	-	-	-	-	18.9	121
5.5 - 6.4	-	-	2.0	6.1	0.2	-	-	-	-	-	-	-	-	-	-	8.3	53
6.5 - 7.4	-	-	-	0.2	0.5	-	-	-	-	-	-	-	-	-	-	0.6	4
TOTAL %	32.8	49.7	10.6	6.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	210	318	68	40	4	0	0	0	0	0	0	0	0	0	0		640

STATION: 45004

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

Month: APR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	12.6	794
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	12
2.5 - 3.4	28.6	6.4	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	2200
3.5 - 4.4	4.8	33.6	0.4	-	-	-	-	-	-	-	-	-	-	-	-	38.8	2439
4.5 - 5.4	*	2.9	7.5	0.3	-	-	-	-	-	-	-	-	-	-	-	10.7	671
5.5 - 6.4	*	-	0.3	2.1	0.1	-	-	-	-	-	-	-	-	-	-	2.5	160
6.5 - 7.4	*	-	-	-	0.1	0.1	-	-	-	-	-	-	-	-	-	0.2	15
TOTAL %	46.3	42.8	8.2	2.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

TOTAL N 2913 2695 513 150 16 4 0 0 0 0 0 0 0 0 0 0 6291
 (* < 0.05%)

STATION: 45004

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

Month: MAY

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	18.6	2154
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
1.5 - 2.4	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
2.5 - 3.4	34.3	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.0
3.5 - 4.4	6.1	25.2	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	31.9
4.5 - 5.4	*	1.9	3.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	5.8
5.5 - 6.4	-	-	0.2	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	0.6
6.5 - 7.4	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	0.0
TOTAL %	60.1	34.8	4.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	6937	4022	524	58	9	1	0	0	0	0	0	0	0	0	0		11551

STATION: 45004

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	26.1	3227
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
1.5 - 2.4	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
2.5 - 3.4	38.4	9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.9
3.5 - 4.4	5.8	16.5	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	22.6
4.5 - 5.4	*	1.1	1.0	*	-	-	-	-	-	-	-	-	-	-	-	-	2.2
5.5 - 6.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1
TOTAL %	71.6	27.0	1.3	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	8853	3341	161	6	0	0	0	0	0	0	0	0	0	0	0		12361

STATION: 45004

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	21.3	3160
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
1.5 - 2.4	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
2.5 - 3.4	49.3	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.8
3.5 - 4.4	6.2	13.6	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	19.8
4.5 - 5.4	*	0.7	0.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.4
5.5 - 6.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1
TOTAL %	78.3	20.8	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	11641	3089	119	15	0	0	0	0	0	0	0	0	0	0	0		14864

STATION: 45004

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	15.3	2332
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
1.5 - 2.4	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
2.5 - 3.4	40.2	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.5
3.5 - 4.4	7.3	23.7	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	31.4
4.5 - 5.4	*	1.9	2.5	*	-	-	-	-	-	-	-	-	-	-	-	-	4.5
5.5 - 6.4	-	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.2
TOTAL %	64.0	32.9	3.0	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	9736	4999	455	13	0	0	0	0	0	0	0	0	0	0	0		15203

STATION: 45004

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- < 0.5	0.5- 0.5 - 1.4	1.5- 1.5 - 2.4	2.5- 2.5 - 3.4	3.5- 3.5 - 4.4	4.5- 4.5 - 5.4	5.5- 5.5 - 6.4	6.5- 6.5 - 7.4	7.5- >7.5	8.5- >8.5	9.5- >9.5	10.5- >10.5	11.5- >11.5	12.5- >12.5	>13.4		
< 0.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	631
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	29
2.5 - 3.4	20.2	9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	29.5	4135
3.5 - 4.4	5.2	41.0	1.4	-	-	-	-	-	-	-	-	-	-	-	-	47.5	6653
4.5 - 5.4	-	5.2	10.3	0.5	*	-	-	-	-	-	-	-	-	-	-	16.0	2244
5.5 - 6.4	-	*	0.5	1.2	0.2	*	-	-	-	-	-	-	-	-	-	1.9	266
6.5 - 7.4	-	-	-	-	0.2	0.1	-	-	-	-	-	-	-	-	-	0.3	37
TOTAL %	30.1	55.6	12.2	1.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	4208	7779	1709	226	59	14	0	0	0	0	0	0	0	0		13995	

(* < 0.05%)

STATION: 45004

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

Month: OCT

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- < 0.5	0.5- 0.5 - 1.4	1.5- 1.5 - 2.4	2.5- 2.5 - 3.4	3.5- 3.5 - 4.4	4.5- 4.5 - 5.4	5.5- 5.5 - 6.4	6.5- 6.5 - 7.4	7.5- 7.5 - 8.4	8.5- >8.5	9.5- >9.5	10.5- >10.5	11.5- >11.5	12.5- >12.5	>13.4		
< 0.5	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	182
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	30
2.5 - 3.4	12.7	7.4	*	-	-	-	-	-	-	-	-	-	-	-	-	20.1	2832
3.5 - 4.4	4.9	41.3	2.1	-	-	-	-	-	-	-	-	-	-	-	-	48.3	6808
4.5 - 5.4	*	5.7	16.0	1.1	*	-	-	-	-	-	-	-	-	-	-	22.8	3222
5.5 - 6.4	-	-	1.1	4.0	0.6	*	-	-	-	-	-	-	-	-	-	5.7	799
6.5 - 7.4	*	-	-	*	0.8	0.6	*	-	-	-	-	-	-	-	-	1.5	206
7.5 - 8.4	-	-	*	-	-	*	0.1	*	-	-	-	-	-	-	-	0.2	23
TOTAL %	19.1	54.4	19.2	5.2	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	2690	7665	2711	727	190	94	20	5	0	0	0	0	0	0		14102	

(* < 0.05%)

STATION: 45004

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

Month: NOV

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- < 0.5	0.5- 0.5 - 1.4	1.5- 1.5 - 2.4	2.5- 2.5 - 3.4	3.5- 3.5 - 4.4	4.5- 4.5 - 5.4	5.5- 5.5 - 6.4	6.5- 6.5 - 7.4	7.5- 7.5 - 8.4	8.5- >8.5	9.5- >9.5	10.5- >10.5	11.5- >11.5	12.5- >12.5	>13.4		
< 0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	9
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
2.5 - 3.4	6.7	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	12.6	642
3.5 - 4.4	1.6	33.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-	37.6	1915
4.5 - 5.4	-	5.8	27.6	2.5	*	-	-	-	-	-	-	-	-	-	-	35.9	1829
5.5 - 6.4	-	-	1.2	8.1	1.7	*	-	-	-	-	-	-	-	-	-	11.0	562
6.5 - 7.4	-	-	-	0.1	1.2	1.1	0.1	-	-	-	-	-	-	-	-	2.5	126
7.5 - 8.4	-	-	-	-	-	0.1	0.1	-	-	-	-	-	-	-	-	0.2	9
TOTAL %	8.6	44.7	31.8	10.7	3.0	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	438	2276	1621	544	151	61	6	0	0	0	0	0	0	0		5097	

(* < 0.05%)

STATION: 45004

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- < 0.5	0.5- 0.5 - 1.4	1.5- 1.5 - 2.4	2.5- 2.5 - 3.4	3.5- 3.5 - 4.4	4.5- 4.5 - 5.4	5.5- 5.5 - 6.4	6.5- 6.5 - 7.4	7.5- 7.5 - 8.4	8.5- >8.5	9.5- >9.5	10.5- >10.5	11.5- >11.5	12.5- >12.5	>13.4		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.1	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	37
3.5 - 4.4	0.7	27.4	0.9	-	-	-	-	-	-	-	-	-	-	-	-	29.0	235
4.5 - 5.4	-	11.0	34.9	2.6	-	-	-	-	-	-	-	-	-	-	-	48.5	393
5.5 - 6.4	-	-	4.1	11.9	1.0	-	-	-	-	-	-	-	-	-	-	16.9	137
6.5 - 7.4	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	1.0	8
TOTAL %	2.8	40.9	39.9	14.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	23	331	323	117	16	0	0	0	0	0	0	0	0	0		810	

(* < 0.05%)

STATION: 45004

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	13.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	12489
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.8	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	767
2.5 - 3.4	30.3	7.5	*	-	-	-	-	-	-	-	-	-	-	-	-	37.8	36388
3.5 - 4.4	5.6	27.9	0.9	-	-	-	-	-	-	-	-	-	-	-	-	34.4	33118
4.5 - 5.4	*	3.2	7.6	0.4	*	-	-	-	-	-	-	-	-	-	-	11.2	10792
5.5 - 6.4	*	*	0.5	1.7	0.2	*	-	-	-	-	-	-	-	-	-	2.4	2319
6.5 - 7.4	*	-	-	*	0.2	0.2	*	-	-	-	-	-	-	-	-	0.4	416
7.5 - 8.4	-	-	*	-	-	*	*	*	-	-	-	-	-	-	-	0.0	32
TOTAL %	49.7	38.6	9.0	2.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	47833	37160	8634	2024	463	176	26	5	0	0	0	0	0	0	0		96321

(* < 0.05%)

STATION: 45004

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	9
2.5 - 3.4	5.5	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	164
3.5 - 4.4	3.4	31.6	0.7	-	-	-	-	-	-	-	-	-	-	-	-	35.7	791
4.5 - 5.4	-	10.6	27.9	1.0	-	-	-	-	-	-	-	-	-	-	-	39.4	874
5.5 - 6.4	-	-	5.4	9.9	0.7	-	-	-	-	-	-	-	-	-	-	16.0	355
6.5 - 7.4	-	-	-	0.2	0.8	0.1	-	-	-	-	-	-	-	-	-	1.1	24
TOTAL %	9.3	44.0	34.0	11.1	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	207	976	753	245	34	2	0	0	0	0	0	0	0	0	0		2217

(* < 0.05%)

STATION: 45004

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	16.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.0	2948
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	135
2.5 - 3.4	31.8	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	38.9	7183
3.5 - 4.4	5.8	28.6	0.5	-	-	-	-	-	-	-	-	-	-	-	-	34.9	6442
4.5 - 5.4	0.1	2.4	5.2	0.1	-	-	-	-	-	-	-	-	-	-	-	7.9	1463
5.5 - 6.4	*	-	0.3	1.2	0.1	-	-	-	-	-	-	-	-	-	-	1.6	288
6.5 - 7.4	*	-	-	*	0.1	*	-	-	-	-	-	-	-	-	-	0.1	23
TOTAL %	54.4	38.1	6.0	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	10060	7035	1105	248	29	5	0	0	0	0	0	0	0	0	0		18482

(* < 0.05%)

STATION: 45004

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	20.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.6	8719
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	559
2.5 - 3.4	42.9	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	50.5	21432
3.5 - 4.4	6.5	18.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	24.8	10509
4.5 - 5.4	*	1.2	1.4	*	-	-	-	-	-	-	-	-	-	-	-	2.7	1160
5.5 - 6.4	-	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.1	49
TOTAL %	71.3	26.9	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	30230	11429	735	34	0	0	0	0	0	0	0	0	0	0	0		42428

(* < 0.05%)

STATION: 45004

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4			
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	2.5	822	
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	64
2.5 - 3.4	14.9	8.0	*	-	-	-	-	-	-	-	-	-	-	-	-	-	22.9	7609
3.5 - 4.4	4.5	39.9	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	46.3	15376
4.5 - 5.4	*	5.5	15.4	1.0	*	-	-	-	-	-	-	-	-	-	-	-	22.0	7295
5.5 - 6.4	-	*	0.8	3.4	0.6	*	-	-	-	-	-	-	-	-	-	-	4.9	1627
6.5 - 7.4	*	-	-	*	0.6	0.5	*	-	-	-	-	-	-	-	-	-	1.1	369
7.5 - 8.4	-	-	*	-	-	*	0.1	*	-	-	-	-	-	-	-	-	0.1	32
TOTAL %	22.1	53.4	18.2	4.5	1.2	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N	7336	17720	6041	1497	400	169	26	5	0	0	0	0	0	0	0			33194

(* < 0.05%)

Summary complete: 09-Sep-2003 04:27:57