

STATION: 51003

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (11/1984 - 1/2001) (120983 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
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	1	999
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	999	19	#	4	999	-	-	-	-	29	999
28	-	-	-	-	-	-	-	-	-	-	7	#	24	#	484	999	1314	998	769	999	18	#	-	-	2616	999
27	7	#	3	#	-	-	6	#	184	#	799	999	2774	998	6715	954	6261	868	5673	923	2214	998	161	#	24797	978
26	358	999	139	999	67	#	297	999	1275	984	5155	925	6209	739	3032	325	2067	246	2952	357	4804	777	2032	983	28387	773
25	2778	964	1636	984	1996	993	2887	969	5761	871	4076	447	1454	160	370	41	326	41	507	63	2242	298	4549	770	28582	539
24	4746	687	4032	798	4569	778	4911	672	3308	363	642	69	215	24	64	7	74	8	99	12	574	75	2092	293	25326	302
23	1729	214	2141	339	1912	286	1333	166	650	71	79	9	40	4	9	1	11	1	19	2	155	17	603	73	8681	93
22	337	42	753	95	633	80	237	29	131	13	19	2	2	*	-	-	-	-	4	*	20	2	80	10	2216	21
21	72	8	77	9	94	12	37	4	16	2	-	-	-	-	-	-	-	-	-	-	-	-	11	2	307	3
20	8	1	6	1	15	2	3	*	2	*	-	-	-	-	-	-	-	-	-	-	-	-	3	1	37	*
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	2	*
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
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6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
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-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
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-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-24	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*
-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	24.0		23.7		23.8		24.1		24.6		25.5		26.0		26.6		26.8		26.6		25.8		24.8		25.2	
S.D.	1.0		0.9		0.9		0.8		0.8		0.7		0.6		0.6		0.7		0.7		0.8		0.9		1.3	
TOTAL	10036		8787		9286		9711		11327		10777		10718		10681		10072		10028		10027		9533		120983	
MAX	26.8		26.7		26.0		26.8		27.1		28.1		27.8		30.2		28.9		30.8		27.6		27.2		30.8	
DATE	1996010303		1996021004		1986030704		1997042404		1996052403		1995062704		1996072904		1998083102		1987092900		1998101400		2000110323		1988120403		1998101400	
MIN	-24.2		19.6		19.7		19.7		20.1		21.8		22.4		23.2		22.8		21.6		21.5		19.3		-24.2	
DATE	2001011702		1995021422		1991030920		1986040915		1987051020		1999062211		1990071415		1999081210		1988091914		1999101920		1997111823		1984122614		2001011702	

(* < 0.05% , # = 100.0%)

STATION: 51003

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (11/1984 - 12/2001) (130796 RECORDS, 98.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	15	#	-	-	-	-	-	-	18	#	
29	-	-	-	-	-	-	-	-	-	-	9	#	1	#	84	999	471	999	238	#	2	#	-	-	805	999	
28	6	#	-	-	-	-	-	-	42	#	161	999	328	999	4274	992	7715	957	6834	979	444	999	13	#	19817	994	
27	281	999	34	#	11	#	43	#	854	997	3466	985	8397	971	6772	618	3165	278	4041	381	8319	959	1843	999	37226	842	
26	1909	972	904	996	1119	999	1885	996	6061	926	7142	683	2677	238	266	24	-	-	305	27	2165	202	6513	820	30946	558	
25	7777	789	6880	901	6865	887	7077	815	5022	423	702	61	52	5	5	1	-	-	8	1	51	5	1948	189	36387	321	
24	424	41	1640	173	2034	203	1413	136	84	7	-	-	-	-	2	*	-	-	-	-	-	-	-	-	5597	43	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	25.2		24.8		24.9		25.0		25.6		26.3		26.7		27.3		27.7		27.5		26.8		25.9		26.2		
S.D.	0.5		0.5		0.5		0.5		0.6		0.5		0.4		0.4		0.4		0.5		0.4		0.5		1.1		
TOTAL	10397		9458		10029		10418		12063		11480		11455		11406		11366		11426		10981		10317		130796		
MAX	27.7		27.1		27.1		27.2		28.2		28.8		28.5		30.4		30.1		29.4		28.6		27.8		30.4		
DATE	1996010303	1995022102	1998030903	1996043001	1986052403	1995062802	1987072402	1998083122	1996090203	1997101202	1988110402	1995120901	1998083122														
MIN	24.1		23.6		23.6		23.8		24.2		24.5		25.0		24.4		26.5		25.1		25.1		24.6		23.6		
DATE	1994012821	1993020915	1996030819	1991040716	1989050612	1985060319	1999070119	1998083117	1999091720	1998101413	1992113017	1999123117	1996030819														
(* < 0.05% , # = 100.0%)																											

(* < 0.05% , # = 100.0%)

STATION: 51003

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (11/1984 - 1/2001) (120957 RECORDS, 91.0% 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
3	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#
2	-	-	-	-	-	-	15	999	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	16	999
1	15	#	44	#	1	#	22	998	1	#	-	-	3	#	1	999	2	#	1	#	1	#	5	#	96	999
0	1363	999	1445	995	1302	999	2141	996	1841	999	2269	#	2870	999	2415	999	1309	999	1389	999	1710	999	1476	999	21530	999
-1	5597	863	4855	831	5881	860	6229	775	7872	837	7761	789	7120	732	7621	774	7536	870	7200	861	6289	829	5905	845	79866	821
-2	2336	305	1729	278	1580	226	1055	134	1363	142	597	69	541	67	507	60	985	121	1121	143	1455	202	1553	225	14822	161
-3	617	72	656	81	468	56	216	25	216	22	126	14	159	17	113	12	185	24	234	31	454	57	518	62	3962	38
-4	95	10	56	7	48	6	27	3	30	3	23	2	21	2	18	2	47	5	68	8	101	12	53	8	587	5
-5	9	1	2	*	5	1	3	*	2	*	-	-	1	*	-	-	5	*	8	1	17	2	17	2	69	1
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	4	*
-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	2	*
-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
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-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
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-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
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-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
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-36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
-47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*

-48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*						
-49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*						
-50	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*						
MEAN	-1.2		-1.1		-1.1		-0.9		-0.9		-0.8		-0.7		-0.8		-0.9		-1.0		-1.0		-1.1		-1.0	
S.D.	0.9		0.8		0.7		0.6		0.6		0.5		0.5		0.5		0.5		0.6		0.7		0.7		0.7	
TOTAL	10033		8787		9285		9710		11325		10776		10715		10676		10069		10021		10027		9533		120957	
MAX	0.7		1.0		0.5		2.5		0.5		0.4		0.7		1.5		0.7		0.5		0.7		0.6		2.5	
DATE	1986012223	1995022404	1986031620	1991040723	1985052301	1999063022	1999070121	1999080409	1985090904	1998101418	2000110319	1997122021	1991040723													
MIN	-49.6		-4.9		-5.2		-5.1		-4.7		-4.2		-4.8		-4.4		-5.3		-5.0		-5.4		-6.9		-49.6	
DATE	2001011702	1999021315	1996032314	1986040915	1997050809	1997061403	1996070102	1995082717	1997090507	1999101920	1997111823	1988121820	2001011702													

(* < 0.05% , # = 100.0%)

STATION: 51003

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (11/1984 - 12/2001) (127851 RECORDS, 96.2% 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	
1025	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
1024	-	-	2	#	-	-	10	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	999	
1023	2	#	9	999	3	#	22	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	999	
1022	24	999	43	999	70	999	80	997	6	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223	999	
1021	64	997	127	994	226	992	222	989	85	999	1	#	11	#	-	-	-	-	-	-	2	#	6	#	744	998	
1020	190	990	306	979	613	968	578	968	298	992	74	999	65	999	10	#	-	-	13	#	48	999	101	999	2296	992	
1019	411	970	481	944	1069	902	1079	911	873	968	320	993	135	993	71	999	10	#	45	999	131	995	372	989	4997	974	
1018	823	927	641	890	1445	787	1653	807	1686	895	1021	966	531	982	303	993	52	999	168	995	376	984	800	951	9499	935	
1017	1196	840	896	816	1420	632	1884	647	2232	756	2179	877	1399	935	979	966	334	995	609	980	908	949	1298	870	15334	861	
1016	1404	713	1202	714	1326	479	1748	464	2416	571	3049	687	2537	813	1990	881	1078	965	1359	927	1590	867	1605	737	21304	741	
1015	1372	565	1320	577	1033	336	1224	295	1855	371	2464	422	2727	592	2656	706	1987	870	1926	808	2023	722	1522	573	22109	574	
1014	1135	419	1211	427	816	225	802	176	1291	217	1588	207	2196	354	2746	474	2629	696	2237	640	1903	538	1334	418	19888	401	
1013	952	299	876	288	505	138	513	98	746	110	595	69	1239	162	1675	233	2441	464	2074	444	1428	364	959	282	14003	246	
1012	725	198	595	189	261	83	313	48	374	48	170	17	468	54	759	86	1567	250	1491	263	988	234	694	184	8405	136	
1011	489	122	447	121	143	55	139	18	131	17	24	2	113	13	181	20	770	112	893	132	624	144	410	113	4364	70	
1010	264	70	342	70	108	40	38	5	50	6	2	*	23	3	46	4	326	44	379	54	428	87	294	72	2300	36	
1009	164	42	150	31	84	28	6	1	20	2	-	-	7	1	1	*	104	15	149	21	274	48	184	42	1143	18	
1008	80	25	59	14	61	19	4	*	4	*	-	-	4	1	-	-	28	6	56	8	123	23	115	23	534	9	
1007	57	16	30	7	36	13	-	-	-	-	-	-	2	1	-	-	17	4	22	3	49	12	68	11	281	5	
1006	33	10	16	3	45	9	-	-	-	-	-	-	1	*	-	-	9	2	7	1	33	8	30	4	174	3	
1005	31	7	10	2	14	4	-	-	-	-	-	-	1	*	-	-	7	2	4	*	29	5	6	1	102	2	
1004	14	3	4	*	11	3	-	-	-	-	-	-	2	*	-	-	1	1	-	-	14	2	5	1	51	1	
1003	13	2	-	-	9	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	6	1	-	-	29	*	
1002	5	1	-	-	3	*	-	-	-	-	-	-	-	-	-	-	2	1	-	-	4	*	-	-	14	*	
1001	-	-	-	-	1	*	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	*	
1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	*	
999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	-	-	-	-	1	*	
998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*	-	-	-	-	-	-	4	*	
996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	1014.7		1014.9		1016.2		1016.5		1016.0		1015.7		1015.0		1014.6		1013.5		1013.7		1014.0		1014.7		1014.9		
S.D.	2.9		2.9		2.8		2.3		2.0		1.5		1.6		1.6		1.8		2.0		2.4		2.6		2.4		
TOTAL	9448		8767		9302		10316		12067		11487		11461		11417		11370		11432		10981		9803		127851		
MAX	1022.8		1023.7		1022.8		1024.5		1021.6		1020.6		1021.0		1020.3		1019.0		1020.4		1020.8		1020.9		1024.5		
DATE	1987012020	1998022021	1985032020	1998040420	1998052209	1989061409	1998071221	1999082209	1999092308	1998102508	1998113009	1985122820	1998040420														
MIN	1001.8		1003.5		1001.4		1008.0		1008.1		1010.1		1003.7		1009.4		996.5		1005.0		1001.8		1003.6		996.5		
DATE	1991012715	1997022702	1989030203	1992042603	1997052303	1997062304	1994072310	1986081904	1992091116	1993102602	2001112702	1996122400	1992091116														
(* < 0.05% , # = 100.0%)																											

STATION: 51003

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (11/1984 - 12/2001) (126577 RECORDS, 95.3% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	1	#
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	1	999
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	2	999
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	1	999
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
32	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
31	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	2	999
30	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
29	-	-	-	-	2	999	1	#	-	-	-	-	3	#	1	#	-	-	-	-	-	-	-	-	7	999
28	1	999	1	#	3	999	1	999	-	-	-	-	-	-	1	999	2	999	-	-	4	#	1	#	14	999

27	5	999	1	999	11	999	2	999	-	-	-	-	-	-	1	999	2	999	-	-	2	999	6	999	30	999
26	17	999	4	999	15	998	10	999	1	#	-	-	-	-	4	999	6	999	-	-	16	999	15	999	88	999
25	19	997	22	999	27	997	22	999	-	-	-	-	1	999	2	999	5	999	-	-	13	998	29	997	140	999
24	47	995	37	997	58	994	48	997	1	999	1	#	3	999	5	999	5	998	-	-	35	997	51	994	291	998
23	59	990	77	993	78	988	71	992	10	999	2	999	1	999	5	999	9	998	6	#	46	993	64	988	428	995
22	108	983	92	985	134	980	87	985	16	999	1	999	8	999	9	998	11	997	9	999	113	989	102	981	690	992
21	142	971	128	975	193	967	125	977	44	998	7	999	20	999	15	998	14	996	24	999	124	978	137	970	973	987
20	185	956	168	961	317	948	180	965	74	994	25	999	29	997	31	996	20	995	55	996	214	966	199	954	1497	979
19	337	935	281	943	529	916	303	948	172	988	68	997	89	994	70	994	58	993	148	991	415	945	364	931	2834	967
18	342	897	315	913	545	863	377	918	235	974	133	991	171	987	146	987	105	988	272	978	487	905	391	890	3519	945
17	452	859	427	879	616	809	497	882	426	954	287	979	330	972	297	975	184	979	411	953	671	857	444	845	5042	917
16	514	809	436	833	678	748	705	835	648	919	522	954	595	943	531	949	304	962	582	915	717	792	553	795	6785	877
15	640	752	534	787	768	680	842	767	886	865	845	909	847	891	781	902	466	936	822	862	856	722	600	732	8887	823
14	700	681	669	729	822	603	951	686	1072	792	1048	835	1032	817	1117	834	717	895	898	787	857	639	597	664	10480	753
13	805	603	659	657	778	521	1075	595	1331	703	1329	744	1349	727	1312	736	1021	832	1106	704	964	556	732	596	12461	670
12	882	513	777	587	877	444	1231	492	1452	593	1698	629	1794	609	1638	621	1451	742	1349	603	1074	462	875	512	15098	572
11	606	415	713	503	719	356	1029	374	1169	473	1377	481	1422	453	1342	478	1273	614	1067	479	822	358	722	413	12261	453
10	534	348	706	427	693	284	897	275	1134	376	1252	361	1200	329	1142	361	1295	503	1035	382	636	278	636	331	11160	356
9	495	288	612	351	556	215	580	189	900	282	967	252	888	224	973	261	1091	389	810	287	546	216	496	258	8914	268
8	462	233	547	285	451	160	427	134	731	207	699	168	655	147	731	175	839	293	646	213	464	163	451	202	7103	197
7	348	182	467	227	337	115	282	93	534	147	477	107	473	90	475	111	692	219	469	153	392	118	360	151	5306	141
6	303	143	376	177	265	81	203	66	400	103	286	65	236	49	320	70	571	158	358	110	269	80	249	110	3836	99
5	311	109	443	136	200	55	183	46	331	70	213	40	159	28	227	42	477	108	302	78	209	53	250	81	3305	69
4	216	74	268	89	109	35	104	29	248	42	106	22	95	14	100	22	296	66	202	50	118	33	157	53	2019	43
3	209	50	207	60	110	24	86	19	123	22	60	13	39	6	57	13	203	40	130	32	75	22	113	35	1412	27
2	113	27	172	38	63	13	64	10	67	11	41	7	18	2	32	8	108	22	94	20	65	14	88	22	925	16
1	81	15	123	19	46	6	28	4	43	6	30	4	6	1	32	6	86	13	66	11	59	8	72	12	672	8
0	50	6	57	6	19	2	16	2	28	2	15	1	4	*	31	3	59	5	54	5	24	2	34	4	391	3
MEAN		12.1		11.4		13.2		12.7		11.4		11.4		11.7		11.4		10.2		11.3		12.8		12.4		11.8
S.D.		5.0		5.0		4.7		4.1		3.8		3.2		3.1		3.3		3.7		3.8		4.4		4.8		4.1
TOTAL		8984		9319		10021		10427		12076		11489		11467		11428		11376		10915		10287		8788		126577
MAX		30.3		27.6		31.7		28.8		25.7		23.5		29.2		28.8		37.7		22.9		27.8		28.0		37.7
DATE	1990012600	2001021513	1994032404	1986041017	1999051808	1997063020	1994072308	1992081307	1992091116	1990101112	1995110418	1985120104	1992091116													
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
DATE	2000010106	2001022704	2000032109	1997042404	1994051519	1995062801	2001072501	2000080909	2000092913	2001101308	2001112900	2001122512	2001122512													
(* < 0.05% , # = 100.0%)																										

STATION: 51003

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: (11/1984 - 12/2001) (126539 RECORDS, 95.2% 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
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	1	#
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	1	999
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	-	-	-	-	-	-	3	999
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
39	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
38	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	3	999
37	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
36	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
35	2	#	-	-	1	999	-	-	-	-	-	-	1	#	-	-	-	-	1	#	1	#	1	#	7	999
34	1	999	3	#	2	999	5	999	-	-	-	-	1	999	1	#	-	-	-	-	1	999	-	-	14	999
33	6	999	1	999	5	999	-	-	-	-	-	-	1	999	1	999	2	999	-	-	4	999	7	999	27	999
32	6	999	5	999	11	999	7	999	-	-	-	-	-	-	2	999	6	999	-	-	5	999	8	999	50	999
31	13	998	10	999	12	998	5	999	-	-	-	-	1	999	4	999	3	999	-	-	13	999	15	998	76	999
30	29	997	13	998	22	996	14	998	1	#	-	-	2	999	1	999	2	999	-	-	11	998	22	996	117	999
29	41	994	40	997	36	994	42	997	1	999	1	#	1	999	5	999	8	998	1	999	29	997	35	994	240	998
28	44	989	38	992	62	991	46	993	2	999	1	999	1	999	3	999	4	998	5	999	23	994	43	990	272	996
27	79	984	77	988	92	984	63	988	16	999	6	999	4	999	5	999	7	997	6	999	77	992	83	985	515	994
26	112	975	118	980	137	975	83	982	22	998	4	999	14	999	12	998	15	997	13	999	112	984	114	976	756	989
25	101	963	118	967	193	962	107	974	44	997	6	999	15	998	20	997	13	995	28	998	124	973	142	963	911	984
24	206	952	176	955	244	942	161	964	82	993	25	998	33	996	34	995	25	994	47	995	195	961	178	947	1406	976
23	219	929	172	936	345	918	183	949	101	986	37	996	43	994	35	992	32	992	82	991	243	942	236	926	1728	965
22	279	904	265	917	440	984	303	931	163	978	84	993	107	990	90	989	57	989	174	983	375	919	321	899	2658	952
21	331	873	259	889	484	840	332	902	217	964	127	986	164	980	136	981	121	984	240	967	436	882	339	863	3186	931
20	408	836	377	861	574	791	488	870	390	946	305	975	332	966	302	969	191	974	399	945	621	840	424	824	4811	905
19	571	791	513	821	701	734	691	824	692	914	553	948	614	937	513	943	333	957	620	909	751	779	577	776	7129	867
18	549	728	446	766	670	664	724	757	723	857	690	900	703	884	657	998	392	927	684	852	760	706	513	710	7511	811
17	643	666	598	718	709	597	829	688	918	797	933	840	883	822	959	841	608	893	777	789	775	632	527	652	9159	752
16	592	595	517	653	626	526	839	608	1013	721	1035	759	1076	745	1087	757	780	839	873	718	764	557	558	592	9760	609
15	709	529	632	598	707	464	973	528	1188	637	1265	669	1360	651	1251	661	1066	771	1072	638	847	483	678	529	11748	602
14	573	450	515	530	614	393	844	434	1006	538	1168	558	1213	533	1171	552	1023	677	915	540	726	400	606	451	10374	509

13	569	386	693	475	688	332	975	353	1105	455	1273	457	1322	427	1205	449	1276	587	1010	456	769	330	687	382	11572	427
12	551	323	716	401	668	263	863	260	1173	363	1234	346	1192	312	1194	344	1270	475	1055	363	672	255	635	304	11223	336
11	448	262	573	324	492	197	521	177	836	266	900	238	805	208	867	239	978	363	731	267	470	190	467	232	8088	247
10	369	212	476	262	407	148	387	127	636	197	651	160	594	137	626	163	756	277	564	200	423	144	382	179	6271	183
9	337	171	402	211	294	107	270	90	524	144	416	103	401	86	442	108	616	211	415	148	319	103	267	135	4703	134
8	270	133	365	168	244	78	192	64	370	101	302	67	256	51	321	70	519	157	365	110	229	72	248	105	3681	97
7	223	103	302	129	154	53	129	46	263	70	166	41	134	28	172	42	411	111	215	76	169	50	186	77	2524	67
6	220	78	296	96	124	38	127	33	250	48	120	26	86	17	122	27	296	75	213	57	122	33	170	56	2146	47
5	223	54	238	65	122	26	97	21	180	28	82	16	69	9	77	16	245	49	164	37	80	21	137	36	1714	31
4	125	29	156	39	68	13	70	12	74	13	48	9	17	3	36	9	153	27	112	22	63	14	104	21	1026	17
3	77	15	115	22	34	7	30	5	43	7	25	5	12	2	31	6	67	14	56	12	40	7	44	9	574	9
2	38	6	62	10	22	3	18	2	21	3	15	3	5	1	20	3	47	8	37	7	21	4	23	4	329	4
1	15	2	28	3	9	1	6	1	14	1	11	1	1	*	17	1	20	4	29	3	12	1	11	1	173	2
0	5	1	3	*	2	*	-	-	1	*	3	*	1	*	-	-	22	2	8	1	3	*	-	-	48	*
MEAN		15.0		14.2		16.0		15.4		13.9		13.9		14.2		13.9		12.6		13.9		15.7		15.3		14.5
S.D.		5.7		5.7		5.4		4.7		4.2		3.6		3.5		3.7		4.2		4.3		5.0		5.5		4.7
TOTAL		8984		9318		10020		10425		12069		11486		11464		11419		11370		10911		10285		8788		126539
MAX		35.2		34.4		38.3		38.7		30.1		29.0		34.8		34.4		46.9		34.8		35.0		34.6		46.9
DATE	1990012600	2001021001	1994032408	1986041017	1999051808	1997063020	1994072309	1992081307	1992091117	1990102104	2001112707	2001121417	1992091117													
MIN	0.0		0.4		0.2		0.6		0.4		0.0		0.0		0.8		0.0		0.0		0.0		0.6		0.0	
DATE	1985012414	2001022704	1986030414	1992042410	1985050520	1985062714	2001072501	1987083119	1985092517	1985101906	2001111720	1992121312	2001111720													

(* < 0.05% , # = 100.0%)

STATION: 51003

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (1/2001 - 12/2001) (8408 RECORDS, 16.3% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
40	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	2	#
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
37	-	-	1	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	999	4	999
36	-	-	2	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	997	3	999
35	-	-	1	994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	996	4	999
34	-	-	2	993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	3	998
33	1	#	4	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	1	997	3	992	11	998
32	-	-	8	984	-	-	1	999	-	-	-	-	1	#	-	-	-	-	-	-	-	-	3	988	13	997
31	-	-	14	972	1	#	2	997	-	-	-	-	-	-	-	-	-	-	1	997	2	996	3	984	23	995
30	-	-	15	951	-	-	3	994	-	-	-	-	1	999	-	-	-	-	3	996	1	993	7	980	30	993
29	3	998	13	928	1	999	7	990	1	#	-	-	-	-	-	-	-	-	3	992	3	992	13	970	44	989
28	2	993	10	909	1	997	7	980	-	-	-	-	-	-	-	-	-	-	2	988	3	987	16	953	41	984
27	7	989	12	894	3	996	2	970	1	999	-	-	4	997	2	#	4	#	10	985	4	983	31	931	80	979
26	10	976	21	876	9	992	8	967	-	-	2	#	3	992	1	997	4	994	9	971	19	978	30	889	116	969
25	17	957	24	845	7	979	15	956	4	997	2	997	5	988	10	996	2	988	10	959	24	951	34	848	154	956
24	22	925	30	809	11	970	31	935	3	992	1	994	7	981	13	982	8	985	25	946	25	918	55	802	231	937
23	28	884	24	765	29	955	27	891	7	988	3	993	11	971	12	964	15	974	34	912	32	883	39	728	261	910
22	19	831	32	729	27	915	59	852	9	978	11	989	20	956	40	947	27	952	40	865	39	838	57	675	380	879
21	39	796	44	681	36	878	51	769	15	966	14	973	19	929	38	891	38	913	47	811	47	784	61	598	449	833
20	47	723	50	615	40	829	80	696	24	946	34	953	38	903	42	838	41	857	47	747	43	718	52	515	538	780
19	44	635	68	541	67	774	115	583	29	913	38	904	71	851	48	780	72	798	49	683	68	658	46	444	715	716
18	58	552	56	440	60	683	69	420	33	874	65	850	81	755	77	713	68	693	53	617	58	563	28	382	706	631
17	57	444	56	356	61	601	53	322	58	829	70	757	107	644	92	606	84	594	67	545	56	482	31	344	792	547
16	55	337	45	273	70	517	53	247	62	751	128	657	136	499	121	478	82	472	81	454	45	404	41	302	919	453
15	55	234	45	206	73	421	59	172	84	667	115	474	125	313	96	309	92	352	97	344	68	341	31	247	940	344
14	36	131	30	139	97	321	34	88	146	553	134	310	77	143	71	175	110	218	91	212	81	246	56	205	963	232
13	23	64	19	94	78	189	23	40	161	355	65	119	26	38	50	77	34	58	57	88	69	133	34	129	639	117
12	10	21	22	66	49	82	5	7	80	137	16	26	1	3	5	7	5	9	6	11	22	36	37	83	258	41
11	1	2	21	33	10	15	-	-	18	28	2	3	-	-	-	-	1	1	1	3	2	6	9	33	65	11
10	-	-	-	-	1	1	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	3	20	5	3
9	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	4	16	5	2
8	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
7	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	11	3	2
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	8	2	1
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	7	4	1
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	3	3	*
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	*
MEAN		18.5		19.9		16.9		19.1		15.0		16.0		17.0		17.2		17.1		17.9		18.1		19.9		17.7
S.D.		3.7		5.3		3.6		3.6		2.8		2.4		2.7		2.9		2.9		3.9		4.2		5.4		4.0
TOTAL		534		671		731		705		738		700		734		718										

STATION: 51003

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (11/1984 - 12/2001) (128813 RECORDS, 96.9% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
7.0	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
6.5	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	4	999	
6.0	9	#	10	999	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	5	#	27	999	
5.5	43	999	27	998	14	999	1	#	-	-	-	-	-	-	1	#	-	-	-	-	7	999	35	999	128	999	
5.0	113	995	63	996	41	998	15	999	-	-	-	-	5	#	-	-	3	999	-	-	46	999	90	996	376	999	
4.5	251	983	204	989	127	994	47	998	-	-	-	-	12	999	9	#	7	999	6	#	134	995	259	987	1056	996	
4.0	568	958	481	966	375	981	198	994	12	#	-	-	15	999	19	999	26	999	38	999	388	983	527	961	2647	988	
3.5	1162	901	995	914	1124	943	559	974	121	999	-	-	45	997	27	998	71	997	145	996	927	947	1185	908	6361	967	
3.0	1987	785	1899	806	2116	828	1481	919	653	989	95	#	202	993	178	995	231	990	607	983	1809	863	2438	788	13696	918	
2.5	3076	586	2624	599	2917	611	3043	774	2329	935	1606	992	1449	975	1619	979	1375	970	2451	930	3618	698	2670	542	28777	811	
2.0	2094	277	2235	313	2223	312	3595	475	5160	741	5615	851	5685	848	5169	837	4520	848	5349	715	3178	368	2092	273	46915	588	
1.5	587	68	638	70	745	85	1229	122	3462	312	3844	360	3617	346	4151	381	4639	447	2746	246	850	78	613	62	27121	224	
1.0	87	9	6	1	82	8	17	2	289	24	268	23	310	28	143	15	396	35	58	6	6	1	4	*	1666	13	
0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	-	-	1	*	
0.0	-	-	-	-	-	-	1	*	-	-	-	-	3	*	24	2	4	*	4	*	1	*	-	-	37	*	
MEAN	2.7		2.7		2.6		2.4		2.0		1.9		1.9		1.9		1.9		2.1		2.5		2.7		2.2		
S.D.	0.8		0.7		0.7		0.6		0.5		0.3		0.4		0.4		0.4		0.4		0.6		0.7		0.7		
TOTAL	9977		9186		9765		10186		12026		11428		11343		11339		11273		11405		10967		9918		128813		
MAX	6.1		6.8		6.1		5.6		3.9		3.1		5.2		4.7		5.5		4.6		6.6		6.0		6.8		
DATE	1999010110		1986022316		1994031617		1986041022		1995050707		1997062100		1994072309		1994082323		1992091116		1993102704		1988110501		1996120800		1986022316		
MIN	1.0		1.1		1.0		0.0		1.0		0.9		0.0		0.0		0.0		0.0		0.0		1.2		0.0		
DATE	1999010711		1986022823		2001032502		2000042210		2001053102		1995062702		2000072909		2000082307		2000092709		1998101403		2000110308		1988121517		2000110308		
(* < 0.05% , # = 100.0%)																											

(* < 0.05% , # = 100.0%)

STATION: 51003

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (11/1984 - 12/2001) (128808 RECORDS, 96.9% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
17	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
16	-	-	5	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999
15	3	#	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	8	999
14	7	999	15	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	3	#	8	999	36	999
13	48	999	44	997	3	#	-	-	-	-	-	-	1	#	-	-	-	-	5	999	23	999	34	999	158	999
12	105	994	71	993	15	999	-	-	1	#	-	-	2	999	-	-	10	#	10	999	40	998	86	996	340	998
11	321	984	303	985	81	998	7	#	5	999	-	-	6	999	-	-	35	999	52	998	64	994	196	987	1070	996
10	719	951	607	952	310	990	41	999	39	999	1	#	11	999	1	#	139	996	85	994	226	988	322	967	2501	987
9	1177	879	1205	886	806	958	264	995	162	996	4	999	12	998	29	999	259	984	315	986	568	968	724	935	5525	968
8	1959	761	2142	755	1666	876	939	969	682	983	189	999	117	997	229	997	998	961	1119	959	1523	916	1770	862	13333	925
7	3714	565	3288	521	4142	705	4093	877	3293	926	1804	983	1424	987	2091	977	3024	872	3585	861	4134	777	4514	683	39106	822
6	1832	193	1438	164	2602	281	4589	475	7206	652	8503	825	8556	861	7915	793	6185	604	5760	546	4070	400	2172	228	60828	518
5	92	9	63	7	139	14	252	25	638	53	912	81	1211	107	1050	95	614	55	467	41	315	29	90	9	5843	46
4	-	-	1	*	1	*	-	-	-	-	15	1	-	-	-	-	-	-	-	-	-	-	-	-	17	*
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
0	-	-	-	-	-	-	1	*	-	-	-	-	3	*	24	2	4	*	4	*	1	*	-	-	37	*
MEAN	7.6		7.7		7.1		6.6		6.3		6.0		6.0		6.1		6.5		6.6		6.9		7.3		6.7	
S.D.	1.4		1.4		1.1		0.8		0.7		0.5		0.5		0.6		0.9		0.9		1.1		1.2		1.1	
TOTAL	9977		9186		9765		10186		12026		11428		11343		11339		11268		11405		10967		9918		128808	
MAX	14.8		17.2		12.6		11.1		11.5		10.2		13.1		9.5		12.4		14.3		13.9		15.1		17.2	
DATE	1999010110		1999022709		1986030506		1994040103		1987052103		2000062510		2000070112		1994082323		1995092218		1986103122		1989110308		1985122121		1999022709	
MIN	4.6		4.2		4.4		0.0		4.6		3.8		0.0		0.0		0.0		0.0		0.0		4.6		0.0	
DATE	1991012714		1995021415		2000033118		2000042210		1993052520		1993062912		2000072909		2000082307		2000092709		1998101403		2000110308		1990120808		2000110308	

(* < 0.05% , # = 100.0%)

STATION: 51003

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (11/1984 - 12/2001) (128807 RECORDS, 96.9% HAVE ELEMENT)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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	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	
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
33	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	1	#	
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
25	9	#	6	#	8	#	-	-	-	-	1	#	2	999	-	-	8	#	2	#	3	#	20	#	59	999	
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
20	243	999	267	999	231	999	25	#	51	#	35	999	51	999	22	#	85	999	88	999	135	999	240	998	1473	999	
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	988	
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	988	
17	1063	975	1112	970	824	976	316	998	458	996	531	997	409	995	285	998	531	992	452	992	577	987	974	974	7532	988	
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	930	
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	930	
14	2480	868	2266	849	1646	891	789	967	873	958	780	950	821	959	716	973	1080	945	1219	952	1721	935	1547	876	15938	930	
13	1681	620	1716	603	1514	723	847	889	949	885	406	882	539	887	685	910	1001	849	1630	846	1726	778	1346	720	14040	806	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	697	
11	1028	451	752	416	993	568	785	806	711	806	252	847	389	839	545	849	992	760	1269	703	1081	620	1043	584	9840	697	
10	1137	348	1148	334	1200	466	1701	729	1182	747	424	825	402	805	746	801	1030	672	1020	591	1167	522	1716	479	12873	620	
9	1264	234	1181	209	1563	343	2577	562	2222	649	1698	787	1082	770	2013	735	1489	580	1424	502	1773	416	1671	306	19957	521	
8	883	107	604	80	1518	183	2471	309	4115	464	5095	639	4867	674	4413	558	3369	448	3098	377	2334	254	1170	137	33937	366	
7	144	19	85	15	238	27	573	66	1331	122	1933	193	2377	245	1659	169	1395	149	998	105	378	41	142	19	11253	102	
6	37	5	43	5	29	3	96	10	129	11	268	24	384	36	216	22	273	26	194	18	66	7	38	5	1773	15	
5	7	1	6	1	1	*	5	1	5	*	5	*	15	2	14	3	11	1	6	1	5	1	10	1	90	1	
4	1	*	-	-	-	-	-	-	-	-	-	-	1	*	-	-	-	-	1	*	-	-	1	*	4	*	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
0	-	-	-	-	-	-	1	*	-	-	-	-	3	*	24	2	4	*	4	*	1	*	-	-	37	*	
MEAN	12.2		12.4		11.5		10.0		9.7		9.1		9.0		9.2		10.0		10.3		11.0		11.6		10.4		
S.D.	3.0		3.0		3.0		2.3		2.6		2.6		2.7		2.4		2.9		2.8		2.8		3.0		3.0		
TOTAL	9977		9186		9765		10186		12026		11428		11343		11338		11268		11405		10967		9918		128807		
MAX	25.0		25.0		25.0		20.0		20.0		25.0		33.3		20.0		25.0		25.0		25.0		25.0		33.3		
DATE	1998012816		2000021921		2000032410		2001040321		2000052600		2000062510		2000070112		1999083119		2000091916		2000102217		1989110209		1998122808		2000070112		
MIN	4.3		5.0		4.8		0.0		5.0		4.5		0.0		0.0		0.0		0.0		0.0		4.3		0.0		
DATE	1991012708		1998020423		2000033118		2000042210		1987053001		1989062715		2000072909		2000082307		2000092709		1998101403		2000110308		1989120922		2000110308		
(* < 0.05% , # = 100.0%)																											

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: 51003
 (A) TOTAL STD MET RECORDS READ = 132871
 (B) TOTAL C WIND RECORDS READ = 51444
 (C) TOTAL RECORDS USED IN STATS = 184315

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	120983	130796	120957	0	127851	126577	126539	8408	128813	128808	128807	0
(E) ELEMENT OUT OF RANGE	11888	2075	11914	132871	5020	6294	6332	43036	4058	4063	4064	132871

STATION: 51003 -- POR (11/1984 - 1/2001)

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
1984	MEAN	-	-	-	-	-	-	-	-	-	-	26.0	24.8	25.4
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	27.2	26.2	27.2
	DAY-HR	-	-	-	-	-	-	-	-	-	-	01-03	09-02	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	-	22.1	19.3	19.3
	DAY-HR	-	-	-	-	-	-	-	-	-	-	14-00	26-14	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	715	744	1459
1985	MEAN	24.0	23.8	23.5	23.4	23.9	25.0	25.9	26.4	26.6	26.4	25.3	24.5	24.9
	MAXIMUM	25.4	25.0	24.8	24.6	25.3	26.2	26.9	27.4	28.8	27.7	27.1	26.6	28.8
	DAY-HR	24-23	07-04	02-02	28-04	27-04	30-03	27-04	29-03	09-04	22-02	17-03	08-03	SEP
	MINIMUM	20.4	20.8	20.9	20.4	20.6	22.8	22.9	24.0	23.5	23.0	21.9	22.1	20.4
	DAY-HR	30-22	12-04	05-15	03-19	23-04	02-00	30-16	24-19	30-19	12-07	07-23	16-06	APR
	# OBS	743	671	742	718	744	719	723	744	714	741	719	744	8722
1986	MEAN	23.9	23.8	24.4	24.5	25.2	25.6	26.2	26.8	27.2	26.9	26.3	25.2	25.5
	MAXIMUM	25.4	25.6	26.0	25.6	27.0	26.6	27.1	27.7	28.9	28.5	27.6	26.4	28.9
	DAY-HR	29-04	23-02	07-04	29-03	24-01	16-01	31-05	30-22	18-04	04-04	14-03	13-01	SEP

	MINIMUM	21.7	20.5	21.7	19.7	21.9	22.8	22.8	24.4	23.0	24.1	23.1	23.3	19.7
	DAY-HR	30-18	23-04	20-18	09-15	02-15	16-15	15-19	18-15	07-15	23-21	15-01	10-18	APR
	# OBS	730	669	739	718	736	719	742	743	717	736	695	741	8685
1987	MEAN	23.9	22.9	23.3	23.7	23.7	25.3	26.2	27.0	27.2	27.0	-	-	24.9
	MAXIMUM	26.0	25.2	24.8	25.2	25.6	26.9	27.5	28.5	28.9	28.1	-	-	28.9
	DAY-HR	07-03	09-04	21-04	25-04	31-04	28-01	31-04	31-19	29-00	03-22	-	-	SEP
	MINIMUM	21.1	19.6	21.0	20.7	20.1	22.3	23.0	23.8	23.8	23.7	-	-	19.6
	DAY-HR	25-14	23-16	28-14	01-07	10-20	21-16	03-19	07-11	04-18	14-14	-	-	FEB
	# OBS	738	671	743	718	743	716	744	742	681	376	-	-	6872
1988	MEAN	-	-	-	24.4	25.1	25.6	26.2	26.6	26.8	26.8	26.3	25.3	26.1
	MAXIMUM	-	-	-	25.0	26.2	26.6	27.0	27.5	27.6	27.9	27.5	27.2	27.9
	DAY-HR	-	-	-	30-19	18-06	30-03	31-05	13-04	30-23	16-03	04-01	04-03	OCT
	MINIMUM	-	-	-	22.4	22.0	22.8	23.7	23.5	22.8	23.6	22.8	19.4	19.4
	DAY-HR	-	-	-	30-04	08-04	10-22	07-13	10-14	19-14	17-23	05-00	18-20	DEC
	# OBS	-	-	-	48	743	719	742	735	718	741	715	740	5901
1989	MEAN	24.4	23.9	24.3	23.9	24.7	25.6	25.9	-	26.2	26.5	25.6	24.3	25.2
	MAXIMUM	25.8	25.1	25.4	25.6	26.1	26.8	27.0	-	27.2	28.3	26.9	26.1	28.3
	DAY-HR	02-03	02-05	30-03	04-03	29-03	24-21	12-03	-	07-03	04-04	14-03	09-03	OCT
	MINIMUM	21.1	21.4	21.2	21.2	22.0	23.4	23.9	-	22.9	23.8	22.0	21.6	21.1
	DAY-HR	13-00	03-02	03-09	07-09	06-12	07-12	03-21	-	20-21	24-12	21-07	20-21	JAN
	# OBS	739	328	247	235	244	238	102	-	690	738	720	734	5015
1990	MEAN	24.2	23.2	23.2	24.3	24.6	25.4	25.9	26.6	26.8	26.7	25.7	24.7	25.5
	MAXIMUM	25.3	25.1	24.8	25.7	25.7	26.3	26.9	27.5	28.0	27.7	27.2	26.4	28.0
	DAY-HR	06-03	04-03	26-00	29-23	30-04	21-23	31-04	29-19	06-04	04-19	20-20	01-03	SEP
	MINIMUM	20.2	20.9	20.2	21.1	21.8	22.3	22.4	23.4	23.3	23.2	21.6	20.7	20.2
	DAY-HR	15-09	20-21	01-06	05-21	14-16	19-08	14-15	23-22	11-16	21-06	12-10	24-18	MAR
	# OBS	420	224	246	301	737	714	734	740	715	737	719	742	7029
1991	MEAN	24.0	24.6	23.3	24.3	24.8	25.5	26.0	26.8	26.9	26.7	26.2	25.4	25.4
	MAXIMUM	25.8	26.6	24.7	26.7	26.2	26.6	27.0	27.7	28.0	28.0	27.5	26.8	28.0
	DAY-HR	19-04	06-01	20-08	07-23	24-04	26-03	08-01	31-00	25-22	17-00	14-05	03-06	OCT
	MINIMUM	21.6	22.1	19.7	20.9	22.1	22.8	23.4	24.5	24.0	24.0	22.2	22.3	19.7
	DAY-HR	23-13	24-23	09-20	29-20	04-17	06-23	05-02	29-11	20-19	19-12	27-12	31-15	MAR
	# OBS	742	668	466	597	739	716	180	422	719	743	719	389	7100
1992	MEAN	24.1	23.5	23.8	24.1	24.9	26.0	26.3	26.7	26.8	26.7	25.5	25.0	25.6
	MAXIMUM	25.6	25.3	24.7	25.5	26.7	27.3	27.2	27.6	27.9	27.7	27.3	26.1	27.9
	DAY-HR	06-03	22-03	04-00	07-03	31-05	04-04	31-23	18-03	12-02	25-03	08-03	16-19	SEP
	MINIMUM	20.0	20.9	21.5	21.4	22.2	23.5	23.3	23.5	22.9	23.2	22.6	21.2	20.0
	DAY-HR	15-06	04-18	23-15	05-00	08-20	09-02	11-04	14-08	03-12	12-13	03-14	12-12	JAN
	# OBS	246	229	244	654	742	719	741	741	715	741	718	743	7233
1993	MEAN	23.5	23.1	23.2	24.2	24.6	25.5	25.8	26.7	26.9	26.3	25.3	24.5	25.0
	MAXIMUM	24.8	24.5	24.5	25.3	25.5	26.2	26.9	27.6	27.9	28.2	27.0	25.8	28.2
	DAY-HR	28-03	24-02	30-03	19-04	31-04	30-23	26-03	19-02	30-23	06-03	04-21	02-09	OCT
	MINIMUM	20.9	20.5	19.8	21.3	21.7	23.1	23.0	23.5	23.0	22.8	22.1	21.0	19.8
	DAY-HR	05-15	13-13	15-16	05-19	15-20	21-00	25-01	11-09	01-17	17-00	26-18	26-19	MAR
	# OBS	736	637	732	718	744	524	741	737	716	744	717	741	8487
1994	MEAN	23.5	23.5	23.5	23.8	24.7	25.4	26.2	26.7	27.3	-	-	-	24.7
	MAXIMUM	25.1	25.5	25.5	24.9	25.6	26.4	27.1	27.6	28.4	-	-	-	28.4
	DAY-HR	01-23	17-04	07-04	24-23	27-02	27-01	29-03	24-04	03-02	-	-	-	SEP
	MINIMUM	20.0	20.8	20.0	21.7	21.6	23.4	23.1	23.5	26.5	-	-	-	20.0
	DAY-HR	24-07	22-15	24-01	18-17	20-00	05-01	23-07	08-15	04-13	-	-	-	MAR
	# OBS	741	654	743	719	738	719	743	740	115	-	-	-	5912
1995	MEAN	24.1	23.6	24.5	24.5	24.9	25.7	26.3	26.6	26.9	26.8	26.4	25.9	25.6
	MAXIMUM	25.3	26.4	25.8	25.9	26.2	28.1	27.5	27.6	28.7	27.9	27.6	27.1	28.7
	DAY-HR	30-03	24-04	21-00	10-02	06-04	27-04	21-04	24-10	14-04	19-22	03-23	08-03	SEP
	MINIMUM	21.2	19.6	21.4	21.6	22.8	23.2	22.9	23.2	23.2	23.3	23.2	22.1	19.6
	DAY-HR	12-20	14-22	06-05	26-02	07-00	04-18	11-16	27-17	02-03	26-09	14-20	26-12	FEB
	# OBS	483	664	742	719	744	717	741	740	717	740	715	744	8466
1996	MEAN	25.1	23.8	23.4	24.9	25.6	26.5	26.5	27.0	27.2	27.3	26.3	24.8	25.7
	MAXIMUM	26.8	26.7	25.6	26.5	27.1	27.7	27.8	29.4	28.7	28.3	27.5	26.6	29.4
	DAY-HR	03-03	10-04	16-03	29-22	24-03	14-04	29-04	31-04	02-03	05-03	06-00	03-00	AUG
	MINIMUM	20.8	21.5	20.0	21.3	22.6	23.9	22.8	23.3	24.2	24.1	23.6	22.2	20.0
	DAY-HR	25-02	20-01	23-14	30-12	01-18	22-18	01-02	07-14	10-23	17-03	21-15	23-15	MAR
	# OBS	738	692	733	738	740	714	839	790	715	363	231	247	7540
1997	MEAN	23.9	24.4	24.5	24.8	24.8	26.1	26.4	27.0	27.0	26.9	25.6	24.4	25.5
	MAXIMUM	25.9	25.7	25.9	26.8	26.7	27.3	27.7	28.3	28.8	28.6	27.6	25.9	28.8
	DAY-HR	12-21	17-19	15-04	24-04	22-05	29-07	17-03	18-00	14-02	12-03	07-03	02-04	SEP
	MINIMUM	21.1	21.8	21.3	21.7	21.1	22.9	23.5	23.4	22.9	23.9	21.5	21.5	21.1
	DAY-HR	17-06	23-13	24-03	02-14	08-09	14-03	04-02	04-18	05-07	12-20	18-23	12-15	MAY
	# OBS	611	660	742	715	743	717	736	739	718	741	707	744	8573
1998	MEAN	24.1	23.8	24.1	23.7	23.8	24.9	25.4	26.0	-	26.0	25.5	24.5	24.6
	MAXIMUM	25.4	25.8	25.7	24.9	24.9	25.9	26.5	30.2	-	30.8	26.7	25.8	30.8
	DAY-HR	09-04	12-21	09-04	01-20	22-01	17-00	27-03	31-02	-	14-00	04-21	05-01	OCT

	MINIMUM	22.0	21.5	19.9	20.6	21.3	22.0	22.6	24.2	-	25.0	21.6	21.6	19.9
	DAY-HR	05-21	04-21	23-14	14-17	07-05	26-18	11-02	31-17	-	28-09	21-17	28-17	MAR
	# OBS	720	670	720	693	717	695	740	597	-	432	720	738	7442
1999	MEAN	24.1	23.8	23.8	23.8	24.4	24.7	25.3	25.9	25.8	25.7	25.3	24.4	24.7
	MAXIMUM	25.4	25.0	24.8	24.9	25.9	25.9	26.6	27.8	26.9	28.2	26.4	25.8	28.2
	DAY-HR	20-03	10-02	28-22	29-02	24-03	26-04	27-03	04-09	02-06	22-07	05-19	03-20	OCT
	MINIMUM	20.7	19.9	20.3	20.7	21.4	21.8	22.6	23.2	23.9	21.6	22.5	20.8	19.9
	DAY-HR	09-06	13-15	21-02	08-17	18-08	22-11	24-20	12-10	06-08	19-20	15-00	29-15	FEB
	# OBS	740	660	719	719	741	719	739	733	712	728	709	742	8661
2000	MEAN	23.6	23.7	23.7	23.6	24.5	25.3	25.9	26.3	26.4	26.4	25.9	-	25.0
	MAXIMUM	25.0	25.0	25.1	24.8	25.7	26.4	27.1	27.4	27.4	27.3	27.6	-	27.6
	DAY-HR	08-21	16-04	31-04	28-03	29-22	30-04	29-02	22-04	08-03	03-03	03-23	-	NOV
	MINIMUM	20.1	21.6	20.9	20.3	22.2	22.4	22.6	23.4	23.6	23.5	23.7	-	20.1
	DAY-HR	19-09	09-08	24-15	10-17	22-06	09-13	05-10	27-03	15-15	27-18	02-13	-	JAN
	# OBS	737	690	728	701	732	712	731	738	710	727	508	-	7714
2001	MEAN	24.5	-	-	-	-	-	-	-	-	-	-	-	24.5
	MAXIMUM	26.0	-	-	-	-	-	-	-	-	-	-	-	26.0
	DAY-HR	09-23	-	-	-	-	-	-	-	-	-	-	-	JAN
	MINIMUM	-24.2	-	-	-	-	-	-	-	-	-	-	-	-24.2
	DAY-HR	17-02	-	-	-	-	-	-	-	-	-	-	-	JAN
	# OBS	172	-	-	-	-	-	-	-	-	-	-	-	172
POR	MEAN	24.0	23.7	23.8	24.1	24.6	25.5	26.0	26.6	26.8	26.6	25.8	24.8	25.2
	MAXIMUM	26.8	26.7	26.0	26.8	27.1	28.1	27.8	30.2	28.9	30.8	27.6	27.2	30.8
	YEAR	1996	1996	1996	1997	1997	1996	1996	1998	1987	1998	2000	1988	OCT/1998
	MINIMUM	-24.2	19.6	19.7	19.7	20.1	21.8	22.4	23.2	22.8	21.6	21.5	19.3	-24.2
	YEAR	2001	1995	1991	1986	1987	1999	1990	1999	1988	1999	1997	1984	JAN/2001
	# OBS	10036	8787	9286	9711	11327	10777	10718	10681	10072	10028	10027	9533	120983

STATION: 51003 -- POR (11/1984 - 12/2001)

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

ELEMENT: SEA TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1984	MEAN	-	-	-	-	-	-	-	-	-	-	26.8	26.1	26.5
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	27.3	27.0	27.3
	DAY-HR	-	-	-	-	-	-	-	-	-	-	03-01	03-01	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	-	26.3	25.7	25.7
	DAY-HR	-	-	-	-	-	-	-	-	-	-	27-00	31-23	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	715	744	1459
1985	MEAN	25.1	24.7	24.3	24.3	24.8	25.6	26.5	27.1	27.6	27.3	26.7	25.7	25.8
	MAXIMUM	26.0	25.4	24.8	24.9	25.3	27.0	27.1	28.3	29.7	28.6	27.5	26.9	29.7
	DAY-HR	25-02	23-02	02-04	30-23	06-23	28-01	18-04	26-01	10-03	19-03	18-00	09-03	SEP
	MINIMUM	24.5	24.3	24.0	23.8	24.5	24.5	26.0	26.6	27.1	26.9	26.2	24.7	23.8
	DAY-HR	31-20	05-12	24-11	10-20	30-06	03-19	06-18	08-19	22-19	14-20	30-23	31-20	APR
	# OBS	743	671	742	718	744	719	723	744	714	741	719	744	8722
1986	MEAN	25.0	25.2	25.4	25.1	26.1	26.4	26.8	27.4	28.1	28.0	27.4	26.3	26.4
	MAXIMUM	26.4	26.5	27.0	25.7	28.2	26.9	27.3	28.3	29.1	28.9	28.3	27.0	29.1
	DAY-HR	25-01	28-02	01-03	25-03	24-03	30-23	15-04	25-03	19-03	04-03	14-03	06-01	SEP
	MINIMUM	24.1	24.4	24.6	24.6	25.1	26.0	26.3	26.9	27.5	27.3	26.9	25.9	24.1
	DAY-HR	22-23	17-19	28-09	16-19	01-12	08-15	21-17	01-19	04-20	30-19	30-19	31-18	JAN
	# OBS	732	669	739	718	736	719	742	743	717	736	695	741	8687
1987	MEAN	25.4	24.7	24.8	24.8	25.0	26.2	27.0	27.9	28.2	27.9	-	-	26.1
	MAXIMUM	26.2	25.4	26.0	27.1	26.1	27.3	28.5	29.1	29.8	28.5	-	-	29.8
	DAY-HR	07-02	27-02	10-02	21-03	19-01	28-01	24-02	31-23	02-01	14-02	-	-	SEP
	MINIMUM	24.8	24.2	24.3	24.2	24.5	25.4	26.4	27.3	27.8	27.6	-	-	24.2
	DAY-HR	31-22	21-17	31-23	02-17	14-12	03-20	07-21	02-19	28-16	14-19	-	-	APR
	# OBS	738	671	743	718	743	716	744	742	681	376	-	-	6872
1988	MEAN	-	-	-	25.6	25.9	26.5	27.1	27.4	27.5	27.8	27.1	26.4	26.9
	MAXIMUM	-	-	-	25.7	26.6	27.0	27.8	28.1	28.2	28.7	28.6	27.6	28.7
	DAY-HR	-	-	-	30-23	27-02	30-23	26-00	26-03	11-02	17-01	04-02	05-03	OCT
	MINIMUM	-	-	-	25.5	25.2	26.1	26.7	27.0	27.1	27.3	26.7	25.7	25.2
	DAY-HR	-	-	-	30-21	02-17	01-20	03-18	06-18	05-20	18-14	30-20	27-19	MAY
	# OBS	-	-	-	48	743	719	742	735	717	741	715	740	5900
1989	MEAN	25.5	25.0	25.2	25.0	25.2	26.3	26.6	-	27.4	27.8	26.7	25.9	26.3
	MAXIMUM	26.0	25.8	26.0	26.5	26.3	27.8	27.0	-	28.0	29.2	27.7	26.5	29.2
	DAY-HR	04-03	01-03	27-03	04-00	31-03	25-00	12-00	-	30-23	13-03	02-01	04-01	OCT
	MINIMUM	25.1	24.4	24.7	24.3	24.2	25.9	26.4	-	27.2	27.3	26.3	25.0	24.2
	DAY-HR	15-12	12-12	08-15	20-18	06-12	09-18	06-18	-	23-17	01-18	30-20	27-16	MAY
	# OBS	739	328	247	235	244	238	102	-	690	738	720	734	5015

1990	MEAN	25.2	24.6	24.2	25.1	25.5	26.0	26.5	27.2	27.6	27.5	26.9	25.8	26.3
	MAXIMUM	25.7	26.1	25.7	26.1	26.0	26.4	27.4	28.0	28.3	27.8	27.4	26.5	28.3
	DAY-HR	01-10	14-03	21-00	29-03	02-02	09-02	31-02	29-02	02-02	06-02	01-02	01-03	SEP
	MINIMUM	24.7	24.0	23.8	24.3	25.1	25.6	25.7	26.9	27.3	27.2	26.2	25.3	23.8
	DAY-HR	31-18	27-18	10-15	01-12	23-19	01-19	03-16	01-18	22-17	15-21	30-19	31-23	MAR
	# OBS	420	224	246	301	736	714	734	740	715	736	719	742	7027
1991	MEAN	25.0	25.4	24.8	24.6	25.5	26.1	26.8	27.4	27.7	27.7	27.1	26.4	26.2
	MAXIMUM	25.9	27.0	25.3	25.6	27.0	27.1	27.2	27.7	28.6	28.7	27.9	26.9	28.7
	DAY-HR	19-03	24-04	02-03	29-04	22-02	05-01	08-03	31-23	23-03	23-01	06-02	04-01	OCT
	MINIMUM	24.6	24.9	24.3	23.8	25.1	25.7	26.5	27.0	27.5	27.4	26.7	25.3	23.8
	DAY-HR	11-09	28-20	19-16	07-16	07-13	03-14	01-19	22-18	20-20	30-14	27-14	31-15	APR
	# OBS	742	668	466	597	738	716	180	422	718	743	719	389	7098
1992	MEAN	25.3	24.8	24.5	25.2	26.0	27.0	27.1	27.3	27.7	27.8	26.7	25.7	26.6
	MAXIMUM	26.1	26.4	25.2	27.2	27.9	28.6	28.1	28.1	28.4	28.2	27.6	26.4	28.6
	DAY-HR	30-03	23-03	04-00	09-03	29-00	04-02	24-03	11-03	14-01	16-02	02-03	15-02	JUN
	MINIMUM	25.0	24.4	23.8	24.5	25.0	26.7	26.8	26.8	26.7	27.3	25.1	25.2	23.8
	DAY-HR	14-18	27-21	04-21	05-20	10-15	28-17	01-19	31-16	02-19	31-18	30-17	13-21	MAR
	# OBS	246	229	244	654	742	719	741	741	715	741	718	743	7233
1993	MEAN	25.2	24.6	24.4	24.9	25.6	26.2	26.7	27.6	28.0	27.8	26.7	25.6	26.1
	MAXIMUM	25.9	25.4	25.1	25.6	26.8	26.9	27.2	28.8	28.9	29.1	27.8	26.5	29.1
	DAY-HR	09-02	13-00	28-02	19-03	15-02	14-23	31-23	19-02	01-02	06-01	03-01	29-03	OCT
	MINIMUM	24.8	23.6	23.9	24.1	25.2	25.7	26.2	27.0	27.4	27.1	25.8	25.1	23.6
	DAY-HR	24-18	09-15	18-17	10-13	10-12	05-18	11-19	02-16	01-18	31-17	30-19	29-18	FEB
	# OBS	736	637	731	718	744	523	741	737	716	744	717	741	8485
1994	MEAN	25.0	24.6	24.9	24.9	25.7	26.1	26.8	27.5	27.8	27.7	27.0	26.0	26.1
	MAXIMUM	26.1	26.2	26.2	26.1	26.7	26.5	27.3	28.0	28.6	29.3	27.5	26.5	29.3
	DAY-HR	02-01	24-02	07-03	04-02	10-02	19-01	31-03	22-07	29-01	01-04	15-03	02-06	OCT
	MINIMUM	24.1	23.7	24.4	24.2	25.0	25.6	26.1	27.1	27.4	27.1	25.9	25.8	23.7
	DAY-HR	28-21	07-18	24-01	17-19	01-17	05-15	01-18	03-19	01-17	30-15	30-21	06-06	FEB
	# OBS	742	654	743	719	738	719	742	740	712	667	238	45	7459
1995	MEAN	24.7	24.6	25.4	25.5	25.7	26.4	27.1	27.4	28.0	27.6	26.9	26.8	26.4
	MAXIMUM	25.3	27.1	26.5	26.5	27.3	28.8	27.6	28.0	29.8	28.0	27.4	27.8	29.8
	DAY-HR	12-03	21-02	09-00	10-02	22-01	28-02	21-03	30-03	14-04	14-03	07-03	09-01	SEP
	MINIMUM	24.2	23.7	24.5	25.1	25.0	25.9	26.8	26.8	27.4	27.1	26.6	26.5	23.7
	DAY-HR	28-23	14-23	03-17	01-10	09-17	15-18	12-20	06-16	02-17	31-19	30-20	29-09	FEB
	# OBS	483	664	742	719	744	717	741	740	717	740	715	744	8466
1996	MEAN	26.3	25.3	24.9	25.6	26.7	27.3	27.3	27.9	28.4	28.2	27.4	26.0	26.7
	MAXIMUM	27.7	27.0	25.8	27.2	28.0	28.7	27.9	29.4	30.1	29.4	28.1	26.9	30.1
	DAY-HR	03-03	10-03	16-02	30-01	23-00	14-02	26-02	27-02	02-03	05-02	03-03	01-15	SEP
	MINIMUM	25.3	23.9	23.6	24.5	25.7	26.8	26.7	27.1	27.9	27.8	26.8	25.5	23.6
	DAY-HR	18-18	20-09	08-19	04-19	03-17	03-19	21-07	01-17	25-20	28-18	21-21	22-18	MAR
	# OBS	738	692	743	738	740	714	839	790	715	363	231	247	7550
1997	MEAN	25.3	25.2	25.3	25.7	26.0	26.9	27.1	27.7	28.0	27.9	26.9	25.3	26.5
	MAXIMUM	26.0	25.8	26.0	26.8	27.3	27.3	27.7	29.5	29.3	29.4	27.7	26.3	29.5
	DAY-HR	08-00	22-03	15-04	24-05	22-05	25-03	30-02	17-01	14-05	12-02	08-01	02-04	AUG
	MINIMUM	25.1	25.0	24.9	25.1	25.7	26.2	26.8	27.2	27.5	27.3	26.3	24.6	24.6
	DAY-HR	31-19	28-19	09-17	07-20	21-18	01-10	08-18	02-20	11-18	31-19	30-23	20-20	DEC
	# OBS	611	660	742	715	743	717	736	739	718	741	707	744	8573
1998	MEAN	25.3	24.8	25.0	24.7	24.7	25.7	26.1	26.7	-	26.8	26.4	25.4	25.5
	MAXIMUM	25.9	25.5	27.1	25.4	25.4	26.2	26.5	30.4	-	28.9	27.2	25.8	30.4
	DAY-HR	17-02	01-02	09-03	21-04	30-23	17-01	31-04	31-22	-	14-23	03-01	02-03	AUG
	MINIMUM	24.7	24.2	24.6	24.3	24.4	24.9	25.7	24.4	-	25.1	25.6	24.9	24.2
	DAY-HR	21-10	03-18	27-19	15-18	13-17	02-18	01-18	31-17	-	14-13	30-23	27-22	FEB
	# OBS	720	670	720	694	717	695	740	592	-	427	720	738	7433
1999	MEAN	25.2	24.7	24.9	24.8	25.3	25.6	26.0	26.7	26.8	26.6	26.3	25.3	25.7
	MAXIMUM	26.0	25.7	25.8	25.6	26.0	26.6	27.3	27.3	27.3	27.6	26.9	25.9	27.6
	DAY-HR	07-02	27-02	01-03	30-03	24-02	25-02	03-01	23-02	28-02	19-05	04-01	23-02	OCT
	MINIMUM	24.6	24.1	24.6	24.6	24.8	25.1	25.0	26.2	26.5	26.2	25.8	24.6	24.1
	DAY-HR	31-20	02-22	30-12	14-18	18-20	30-22	01-19	03-16	17-20	22-19	30-23	31-17	FEB
	# OBS	740	660	719	718	741	719	738	733	712	727	709	742	8658
2000	MEAN	24.6	24.4	24.5	24.5	25.3	26.0	26.5	27.0	27.3	27.0	26.5	-	25.8
	MAXIMUM	25.5	24.9	25.6	25.2	26.3	26.8	27.2	27.6	28.4	27.5	27.5	-	28.4
	DAY-HR	02-01	17-03	31-03	30-03	29-00	28-03	31-23	02-02	29-02	07-03	04-02	-	SEP
	MINIMUM	24.2	24.1	24.0	24.1	24.7	25.6	26.2	26.4	26.9	26.5	26.2	-	24.0
	DAY-HR	30-09	03-20	14-20	06-18	01-20	12-13	10-19	13-17	26-16	30-18	22-07	-	MAR
	# OBS	737	690	728	701	732	712	730	738	710	727	508	-	7713
2001	MEAN	25.2	24.7	24.7	24.9	25.7	26.2	26.6	27.1	27.4	27.1	26.4	25.9	26.0
	MAXIMUM	27.6	25.2	25.4	25.5	26.9	27.1	27.3	27.8	27.7	27.6	26.9	26.3	27.8
	DAY-HR	09-23	03-03	24-03	26-01	30-02	02-02	30-03	28-02	20-02	06-03	07-02	03-02	AUG
	MINIMUM	24.9	24.2	24.3	24.7	24.9	25.7	25.9	26.8	26.9	26.4	26.0	25.3	24.2
	DAY-HR	29-22	19-19	21-09	18-22	03-20	28-19	02-18	05-15	10-20	31-20	28-17	22-12	FEB
	# OBS	530	671	734	707	738	704	740	730	699	738	716	739	8446

POR	MEAN	25.2	24.8	24.9	25.0	25.6	26.3	26.7	27.3	27.7	27.5	26.8	25.9	26.2
	MAXIMUM	27.7	27.1	27.1	27.2	28.2	28.8	28.5	30.4	30.1	29.4	28.6	27.8	30.4
	YEAR	1996	1995	1998	1996	1986	1995	1987	1998	1996	1997	1988	1995	AUG/1998
	MINIMUM	24.1	23.6	23.6	23.8	24.2	24.5	25.0	24.4	26.5	25.1	25.1	24.6	23.6
	YEAR	1994	1993	1996	1991	1989	1985	1999	1998	1999	1998	1992	1999	MAR/1996
	# OBS	10397	9458	10029	10418	12063	11480	11455	11406	11366	11426	10981	10317	130796

STATION: 51003 -- POR (11/1984 - 12/2001)

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1984	MEAN	-	-	-	-	-	-	-	-	-	-	1015.5	1013.4	1014.4
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	1018.6	1018.9	1018.9
	DAY-HR	-	-	-	-	-	-	-	-	-	-	09-21	10-21	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	-	1010.6	1007.0	1007.0
	DAY-HR	-	-	-	-	-	-	-	-	-	-	27-15	24-03	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	715	744	1459
1985	MEAN	1014.8	1013.8	1016.9	1017.0	1017.0	1016.7	1016.2	1015.5	1014.5	1014.1	1013.1	1015.8	1015.5
	MAXIMUM	1019.5	1017.7	1022.8	1021.1	1021.3	1020.4	1019.0	1018.6	1017.7	1018.2	1016.8	1020.9	1022.8
	DAY-HR	21-20	01-08	20-20	14-10	15-09	03-09	20-09	28-09	30-08	09-08	23-20	28-20	MAR
	MINIMUM	1004.4	1008.9	1008.9	1012.1	1012.1	1012.8	1013.9	1012.6	1010.7	1008.6	1007.5	1008.4	1004.4
	DAY-HR	14-16	28-02	01-15	06-15	19-14	16-03	24-03	25-15	12-02	17-02	28-04	16-02	JAN
	# OBS	743	671	742	718	744	719	723	744	714	741	719	744	8722
1986	MEAN	1014.7	1014.3	1017.0	1015.7	1015.7	1016.1	1015.3	1013.9	1013.2	1014.9	1012.9	1015.2	1014.9
	MAXIMUM	1022.2	1019.5	1021.9	1019.5	1019.3	1019.2	1018.4	1017.1	1016.7	1017.5	1018.4	1019.2	1022.2
	DAY-HR	06-21	01-21	07-21	03-20	20-09	05-09	08-21	24-21	20-21	30-20	30-20	30-20	JAN
	MINIMUM	1009.1	1008.8	1011.1	1010.1	1009.8	1013.6	1009.8	1009.4	1009.4	1011.4	1005.6	1007.6	1005.6
	DAY-HR	25-02	15-15	04-02	11-02	09-14	17-03	25-03	19-04	30-02	01-02	12-14	07-02	NOV
	# OBS	520	669	739	718	736	719	742	743	717	736	695	741	8475
1987	MEAN	1016.6	1014.1	1016.9	1016.4	1015.0	1015.8	1014.5	1013.6	1013.5	1013.7	-	-	1015.1
	MAXIMUM	1022.8	1019.7	1021.9	1021.6	1021.4	1019.9	1017.9	1017.9	1017.4	1017.7	-	-	1022.8
	DAY-HR	20-20	14-07	13-21	30-21	01-20	20-09	01-10	24-10	15-20	04-09	-	-	JAN
	MINIMUM	1010.1	1007.3	1010.8	1009.3	1010.6	1011.6	1010.8	1009.7	1010.3	1009.8	-	-	1007.3
	DAY-HR	17-01	25-02	03-02	22-03	10-03	03-03	15-04	07-03	22-02	07-02	-	-	FEB
	# OBS	738	671	743	718	743	716	744	742	681	376	-	-	6872
1988	MEAN	-	-	-	1016.1	1015.8	1016.0	1015.2	1014.2	1013.0	1013.0	1014.0	1013.9	1014.4
	MAXIMUM	-	-	-	1018.4	1019.2	1019.5	1018.4	1017.4	1016.7	1017.9	1017.8	1018.4	1019.5
	DAY-HR	-	-	-	30-20	18-21	16-09	17-21	18-21	08-09	12-20	11-21	28-20	JUN
	MINIMUM	-	-	-	1013.1	1011.9	1013.3	1012.0	1010.1	1008.5	1009.5	1002.8	1006.5	1002.8
	DAY-HR	-	-	-	29-03	21-03	22-03	10-03	03-04	04-15	16-02	05-01	19-02	NOV
	# OBS	-	-	-	48	743	720	742	736	718	741	715	740	5903
1989	MEAN	1014.2	1013.3	1014.9	1015.3	1016.8	1016.7	1016.3	-	1013.8	1012.9	1013.4	1014.5	1014.2
	MAXIMUM	1018.9	1018.5	1020.9	1019.2	1019.8	1020.6	1018.0	-	1017.2	1017.6	1019.4	1019.4	1020.9
	DAY-HR	08-20	18-21	29-21	01-09	11-09	14-09	09-21	-	19-08	24-20	24-08	02-21	MAR
	MINIMUM	1009.7	1004.6	1001.4	1011.0	1013.1	1013.1	1014.3	-	1010.9	1008.0	1008.5	1009.4	1001.4
	DAY-HR	30-02	28-03	02-03	10-03	20-03	22-03	11-03	-	13-02	09-14	03-01	10-02	MAR
	# OBS	739	328	247	235	245	239	105	-	691	739	720	734	5022
1990	MEAN	1014.3	1016.0	1016.5	1014.8	1016.6	1015.5	1015.0	1014.5	1013.8	1014.3	1012.1	1013.5	1014.6
	MAXIMUM	1019.3	1022.9	1021.7	1019.6	1020.6	1019.1	1018.9	1017.8	1017.8	1018.5	1016.6	1020.0	1022.9
	DAY-HR	10-21	08-21	28-21	20-21	30-09	22-10	06-20	26-10	05-08	28-21	30-20	10-20	FEB
	MINIMUM	1001.8	1009.8	1011.3	1011.0	1012.6	1012.7	1011.6	1011.5	1009.3	1010.5	1007.4	1005.3	1001.8
	DAY-HR	22-03	12-03	09-15	29-03	07-15	28-03	26-04	22-04	21-03	20-14	18-02	25-15	JAN
	# OBS	420	224	246	301	738	714	735	740	714	737	719	742	7030
1991	MEAN	1014.5	1013.9	1016.4	1016.4	1016.6	1015.8	1014.3	1014.8	1013.2	1011.9	1013.2	1013.8	1014.5
	MAXIMUM	1019.9	1017.6	1020.2	1021.7	1020.8	1019.5	1016.2	1017.7	1017.1	1016.5	1017.6	1019.8	1021.7
	DAY-HR	20-20	17-20	07-09	05-21	15-20	12-09	08-10	19-09	04-09	05-08	10-09	27-21	APR
	MINIMUM	1001.8	1009.5	1011.5	1013.0	1012.8	1011.6	1012.2	1011.5	1007.8	1006.1	1006.2	1007.7	1001.8
	DAY-HR	27-15	24-02	20-02	20-04	26-03	01-15	03-03	23-03	21-02	15-03	30-02	13-15	JAN
	# OBS	742	668	466	597	739	716	180	422	719	743	719	389	7100
1992	MEAN	1015.0	1014.5	1017.1	1014.4	1013.6	1014.3	1013.8	1014.0	1011.2	1012.5	1012.6	1012.5	1013.5
	MAXIMUM	1021.3	1020.4	1021.8	1019.8	1017.9	1017.3	1018.4	1017.0	1016.1	1016.8	1016.4	1019.9	1021.8
	DAY-HR	24-18	03-21	19-09	30-09	26-21	15-10	25-20	02-09	13-08	25-08	16-20	07-20	MAR
	MINIMUM	1010.2	1008.8	1013.7	1008.0	1009.3	1011.0	1010.8	1010.1	996.5	1008.3	1007.5	1006.2	996.5
	DAY-HR	17-03	15-03	15-03	26-03	18-14	03-03	17-03	14-03	11-16	13-02	19-02	31-01	SEP
	# OBS	246	229	244	654	742	719	741	741	715	741	718	743	7233
1993	MEAN	1012.9	1015.4	1017.1	1016.8	1015.9	1014.9	1014.2	1014.0	1013.3	1012.3	1014.6	1015.2	1014.7
	MAXIMUM	1019.8	1020.1	1021.9	1020.9	1019.6	1017.2	1018.1	1017.8	1016.9	1016.5	1017.9	1018.9	1021.9

	DAY-HR	17-21	23-20	21-21	12-20	26-10	19-09	02-10	08-09	08-09	07-20	29-21	10-21	MAR
	MINIMUM	1004.5	1009.0	1008.1	1013.4	1010.5	1012.1	1010.7	1010.6	1009.3	1005.0	1011.2	1010.8	1004.5
	DAY-HR	07-02	05-02	15-02	06-02	14-03	30-04	12-14	18-03	02-03	26-02	14-01	19-02	JAN
	# OBS	736	637	732	718	744	524	741	739	716	744	717	741	8489
1994	MEAN	1014.4	1013.4	1015.9	1016.7	1015.9	1015.2	1013.5	1013.5	1012.3	1012.2	1014.0	1014.5	1014.3
	MAXIMUM	1021.7	1022.1	1020.7	1019.6	1018.8	1018.3	1016.4	1017.9	1015.5	1016.2	1018.9	1016.8	1022.1
	DAY-HR	31-20	01-21	13-20	26-09	26-10	09-21	17-09	05-09	06-10	09-09	26-21	01-09	FEB
	MINIMUM	1009.6	1007.3	1007.9	1013.4	1012.6	1012.1	1003.7	1009.7	1008.2	1006.7	1007.0	1011.5	1003.7
	DAY-HR	15-02	20-15	24-15	16-14	09-03	27-03	23-10	13-15	29-01	03-03	01-03	06-03	JUL
	# OBS	742	653	743	720	738	719	743	740	712	667	238	45	7460
1995	MEAN	1015.3	1014.2	1014.8	1015.0	1016.2	1016.0	1014.8	1014.7	1014.5	1014.2	1013.8	1015.4	1014.9
	MAXIMUM	1020.0	1018.3	1020.8	1020.7	1019.3	1019.3	1018.2	1018.7	1018.9	1017.6	1018.7	1020.4	1020.8
	DAY-HR	18-21	19-21	21-21	18-09	06-09	11-21	06-09	09-10	25-21	01-07	18-20	16-09	MAR
	MINIMUM	1009.4	1006.7	1005.3	1010.2	1012.6	1011.0	1011.9	1011.9	1010.8	1011.2	1008.5	1009.5	1005.3
	DAY-HR	29-02	14-03	03-15	25-15	27-03	27-03	14-16	05-14	13-02	29-03	26-03	31-02	MAR
	# OBS	483	664	742	719	744	717	741	740	717	740	715	744	8466
1996	MEAN	1013.2	1014.5	1014.8	1016.4	1016.1	1015.8	1015.1	1014.7	1012.9	1013.3	1011.8	1012.2	1014.6
	MAXIMUM	1018.9	1019.1	1022.1	1021.0	1020.6	1019.9	1018.6	1018.2	1015.8	1017.2	1018.0	1018.8	1022.1
	DAY-HR	17-09	16-21	12-10	12-19	14-20	26-21	31-10	25-09	25-09	11-09	29-09	06-09	MAR
	MINIMUM	1005.2	1009.0	1002.8	1011.3	1011.7	1011.7	1012.1	1010.2	1009.5	1008.4	1004.8	1003.6	1002.8
	DAY-HR	31-02	01-02	03-14	30-03	01-03	10-03	21-15	31-16	01-02	31-03	17-00	24-00	MAR
	# OBS	738	692	743	738	740	714	839	790	715	363	231	247	7550
1997	MEAN	1012.9	1014.2	1013.6	1015.1	1013.4	1014.8	1013.7	1013.8	1013.2	1013.3	1014.4	1015.9	1014.0
	MAXIMUM	1019.3	1018.8	1019.9	1019.3	1017.1	1018.2	1017.4	1016.6	1017.4	1016.7	1018.1	1019.9	1019.9
	DAY-HR	17-20	09-21	19-20	17-08	01-09	03-09	01-09	02-10	27-09	16-20	26-08	16-20	DEC
	MINIMUM	1006.3	1003.5	1005.5	1010.5	1008.1	1010.1	1010.2	1010.4	1009.1	1009.7	1008.0	1011.5	1003.5
	DAY-HR	01-00	27-02	13-02	01-03	23-03	23-04	31-03	31-03	14-03	05-02	20-02	02-02	FEB
	# OBS	611	660	742	715	743	717	736	739	718	741	707	744	8573
1998	MEAN	1014.5	1018.4	1017.4	1019.1	1017.8	1016.3	1017.3	1016.4	-	1016.4	1016.2	1017.0	1017.0
	MAXIMUM	1020.4	1023.7	1022.3	1024.5	1021.6	1019.6	1021.0	1019.3	-	1020.4	1020.8	1020.7	1024.5
	DAY-HR	30-21	20-21	26-10	04-20	22-09	08-09	12-21	31-08	-	25-08	30-09	06-20	APR
	MINIMUM	1008.4	1013.1	1012.9	1014.7	1014.1	1013.9	1014.1	1012.6	-	1012.8	1010.4	1011.8	1008.4
	DAY-HR	06-01	28-03	01-03	28-15	13-03	22-04	19-15	16-03	-	16-02	11-01	17-02	JAN
	# OBS	720	670	720	694	717	695	740	599	-	432	720	738	7445
1999	MEAN	1016.3	1018.7	1017.4	1018.0	1016.0	1016.3	1015.9	1016.1	1015.4	1015.2	1015.3	1015.8	1016.4
	MAXIMUM	1020.6	1022.7	1021.2	1022.8	1019.8	1018.9	1018.3	1020.3	1019.0	1018.6	1019.9	1019.7	1022.8
	DAY-HR	13-21	16-21	23-21	09-21	03-10	11-21	11-21	22-09	23-08	26-09	30-20	01-08	APR
	MINIMUM	1010.8	1014.3	1013.9	1014.4	1011.7	1013.0	1013.7	1012.9	1012.1	1008.5	1012.2	1012.4	1008.5
	DAY-HR	05-02	01-02	07-03	05-03	18-03	02-03	28-15	16-03	28-03	19-15	04-02	10-00	OCT
	# OBS	740	660	719	719	741	719	739	733	712	727	709	227	8145
2000	MEAN	-	-	-	1018.9	1017.7	1016.2	1016.1	1015.1	1014.4	1014.8	1015.2	-	1016.0
	MAXIMUM	-	-	-	1022.2	1020.8	1019.7	1019.1	1018.3	1017.6	1017.6	1019.2	-	1022.2
	DAY-HR	-	-	-	14-10	20-09	05-20	14-09	17-09	20-08	14-20	20-20	-	APR
	MINIMUM	-	-	-	1014.4	1013.6	1012.0	1013.4	1010.9	1010.7	1011.8	1011.3	-	1010.7
	DAY-HR	-	-	-	08-03	23-04	25-03	12-15	29-03	04-15	07-03	11-01	-	SEP
	# OBS	-	-	-	594	732	712	731	739	710	726	508	-	5452
2001	MEAN	1017.8	1014.4	1016.7	1016.9	1016.4	1015.0	1015.2	1014.9	1014.1	1014.3	1014.1	1014.6	1015.3
	MAXIMUM	1021.6	1019.3	1020.7	1020.1	1019.4	1017.8	1018.5	1019.3	1017.5	1019.7	1019.2	1019.9	1021.6
	DAY-HR	21-20	19-21	11-21	19-09	14-20	09-21	15-20	03-09	01-09	30-20	10-21	22-20	JAN
	MINIMUM	1013.3	1008.0	1010.3	1011.4	1012.9	1011.8	1011.7	1011.5	1011.4	1009.7	1001.8	1007.9	1001.8
	DAY-HR	11-02	12-01	24-15	01-02	07-15	25-04	02-03	27-04	07-03	15-02	27-02	30-01	NOV
	# OBS	530	671	734	710	738	708	739	730	701	738	716	740	8455
POR	MEAN	1014.7	1014.9	1016.2	1016.5	1016.0	1015.7	1015.0	1014.6	1013.5	1013.7	1014.0	1014.7	1014.9
	MAXIMUM	1022.8	1023.7	1022.8	1024.5	1021.6	1020.6	1021.0	1020.3	1019.0	1020.4	1020.8	1020.9	1024.5
	YEAR	1987	1998	1985	1998	1998	1989	1998	1999	1999	1998	1998	1985	APR/1998
	MINIMUM	1001.8	1003.5	1001.4	1008.0	1008.1	1010.1	1003.7	1009.4	996.5	1005.0	1001.8	1003.6	996.5
	YEAR	1991	1997	1989	1992	1997	1997	1994	1986	1992	1993	2001	1996	SEP/1992
	# OBS	9448	8767	9302	10316	12067	11487	11461	11417	11370	11432	10981	9803	127851

STATION: 51003 -- POR (11/1984 - 12/2001)

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

ELEMENT: AVERAGE WIND SPEED (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1984	MEAN	-	-	-	-	-	-	-	-	-	-	12.4	11.3	11.8
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	20.4	24.7	24.7
	DAY-HR	-	-	-	-	-	-	-	-	-	-	24-08	20-03	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	-	0.2	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	-	-	26-14	27-05	DEC

	# OBS	-	-	-	-	-	-	-	-	-	-	715	743	1458
1985	MEAN	9.9	10.7	15.9	11.9	12.3	9.8	10.9	10.7	8.6	10.6	10.0	13.2	11.1
	MAXIMUM	24.1	19.6	25.5	22.4	23.3	17.7	18.5	17.9	17.7	22.6	25.9	28.0	28.0
	DAY-HR	14-15	27-12	07-10	02-13	23-09	13-19	29-20	27-14	30-16	27-02	30-22	01-04	DEC
	MINIMUM	0.0	1.7	5.4	3.1	0.0	0.0	3.5	1.0	0.0	0.0	0.0	2.5	0.0
	DAY-HR	24-16	05-09	31-18	06-23	05-20	27-14	14-17	25-13	25-18	19-19	21-00	05-11	NOV
	# OBS	743	671	742	718	744	719	723	744	714	741	719	143	8121
1986	MEAN	-	8.3	12.9	14.4	11.6	13.2	12.1	11.3	8.4	10.6	-	11.2	11.6
	MAXIMUM	-	23.7	22.9	28.8	21.6	22.6	20.0	23.1	23.9	18.3	-	22.2	28.8
	DAY-HR	-	16-14	19-16	10-17	11-01	15-21	21-08	18-19	09-12	04-22	-	19-09	APR
	MINIMUM	-	0.0	0.0	1.6	0.0	5.4	4.5	4.1	0.0	2.3	-	0.2	0.0
	DAY-HR	-	27-08	04-14	17-10	24-00	12-08	26-05	22-22	18-04	09-18	-	29-03	SEP
	# OBS	-	532	739	718	736	719	742	743	717	215	-	506	6367
1987	MEAN	14.2	9.6	11.4	12.2	10.8	11.1	9.8	8.4	8.8	9.9	-	-	10.7
	MAXIMUM	26.6	22.7	22.0	25.5	22.6	19.6	19.6	16.5	22.0	18.9	-	-	26.6
	DAY-HR	19-05	17-09	29-11	01-10	08-03	15-21	03-20	02-18	04-18	01-14	-	-	JAN
	MINIMUM	0.2	0.0	0.0	0.2	0.0	0.2	1.6	0.0	0.0	0.8	-	-	0.0
	DAY-HR	06-02	13-16	09-06	24-20	21-19	28-01	24-02	31-21	28-22	05-21	-	-	SEP
	# OBS	738	671	743	718	744	716	744	742	681	376	-	-	6873
1988	MEAN	-	-	-	11.7	12.0	12.1	12.2	11.4	11.8	9.7	12.8	11.6	11.7
	MAXIMUM	-	-	-	16.9	20.8	18.9	20.4	20.6	27.6	19.1	23.9	26.2	27.6
	DAY-HR	-	-	-	30-06	29-20	10-21	29-14	08-08	04-21	27-01	04-17	18-13	SEP
	MINIMUM	-	-	-	5.8	0.8	3.1	4.1	3.7	0.0	0.8	1.2	0.0	0.0
	DAY-HR	-	-	-	29-08	05-20	08-01	06-00	23-21	25-13	16-15	07-04	14-06	DEC
	# OBS	-	-	-	48	743	720	742	736	718	742	715	740	5904
1989	MEAN	12.9	11.4	10.9	14.4	12.1	11.5	12.9	-	10.6	8.6	11.5	10.9	11.2
	MAXIMUM	23.9	25.3	23.3	25.9	16.9	20.8	19.6	-	18.9	19.6	22.7	24.3	25.9
	DAY-HR	01-20	27-18	03-09	07-15	16-18	23-18	14-09	-	03-05	24-16	22-16	13-11	APR
	MINIMUM	1.4	1.2	0.2	2.1	0.2	0.0	2.3	-	0.2	0.0	0.2	0.2	0.0
	DAY-HR	31-11	07-07	04-18	04-12	03-18	24-21	02-21	-	30-22	09-12	14-21	20-10	OCT
	# OBS	738	328	247	236	245	239	106	-	693	740	720	734	5026
1990	MEAN	15.0	13.2	13.4	9.3	13.7	12.9	11.3	12.5	12.0	14.1	12.9	11.2	12.7
	MAXIMUM	30.3	24.7	25.7	18.5	23.3	19.6	20.6	21.8	21.0	22.9	27.6	18.7	30.3
	DAY-HR	26-00	07-21	10-09	21-15	04-02	19-15	28-14	13-21	06-11	11-12	13-05	10-00	JAN
	MINIMUM	5.2	0.8	1.0	0.2	2.7	3.5	2.3	4.7	3.3	4.7	0.0	4.3	0.0
	DAY-HR	07-21	14-00	26-03	28-22	14-16	27-02	07-23	24-02	02-03	23-13	26-16	04-22	NOV
	# OBS	420	224	246	302	740	714	736	742	717	738	719	217	6515
1991	MEAN	9.8	10.1	17.6	11.8	11.5	11.0	8.2	12.3	10.9	9.7	12.7	15.1	11.8
	MAXIMUM	22.4	23.1	30.7	19.6	20.8	18.5	13.6	20.2	20.0	18.1	27.6	25.5	30.7
	DAY-HR	28-00	14-04	13-20	06-17	06-22	08-04	05-12	27-12	11-14	04-10	13-21	11-18	MAR
	MINIMUM	0.2	0.2	2.5	1.6	1.2	1.7	2.7	3.7	0.6	0.0	0.2	4.5	0.0
	DAY-HR	29-15	06-00	09-21	09-05	21-14	05-00	03-02	29-10	21-16	22-14	13-07	19-09	OCT
	# OBS	125	666	467	599	740	717	180	422	719	743	719	389	6486
1992	MEAN	9.9	12.8	12.2	9.0	9.3	11.6	10.9	13.5	11.0	11.6	13.5	12.2	11.4
	MAXIMUM	24.9	24.5	22.4	16.7	21.8	20.8	22.2	28.8	37.7	20.2	21.8	24.9	37.7
	DAY-HR	15-03	12-09	17-21	29-21	07-18	25-05	26-11	13-07	11-16	11-23	22-16	17-08	SEP
	MINIMUM	0.4	0.0	0.8	0.0	1.9	2.3	0.8	3.7	2.5	0.4	2.5	0.0	0.0
	DAY-HR	28-15	22-12	04-00	24-12	24-22	04-05	13-10	02-14	08-13	13-10	19-17	13-13	DEC
	# OBS	246	229	244	654	743	719	741	741	715	741	718	743	7234
1993	MEAN	12.7	11.7	13.7	12.0	11.8	11.2	11.8	11.1	9.2	11.6	14.7	13.8	12.1
	MAXIMUM	28.2	21.0	21.8	20.6	21.0	20.2	22.2	21.0	22.7	22.6	27.4	24.1	28.2
	DAY-HR	05-14	13-18	10-13	20-05	06-19	03-17	22-03	12-03	23-22	03-17	24-04	06-02	JAN
	MINIMUM	0.2	0.2	1.9	3.5	0.2	2.3	4.1	0.6	0.6	0.4	1.2	0.2	0.2
	DAY-HR	01-06	12-17	05-00	26-17	12-11	19-01	22-09	17-02	01-20	01-04	03-03	29-00	DEC
	# OBS	736	637	732	718	744	524	741	739	716	744	717	741	8489
1994	MEAN	12.6	10.8	14.6	13.9	11.7	12.6	12.9	12.1	10.3	12.5	15.4	15.1	12.5
	MAXIMUM	27.0	22.4	31.7	23.1	20.6	21.8	29.2	21.8	20.2	22.7	25.7	20.0	31.7
	DAY-HR	24-06	12-14	24-04	12-17	27-17	27-04	23-08	24-16	30-08	21-02	17-18	04-06	MAR
	MINIMUM	0.4	0.0	0.2	0.6	0.0	1.6	6.6	2.7	1.2	0.0	4.1	7.8	0.0
	DAY-HR	27-10	23-13	05-08	04-01	15-19	23-05	02-19	22-07	28-16	01-02	13-09	05-18	OCT
	# OBS	740	654	743	720	738	719	743	740	712	667	238	45	7459
1995	MEAN	12.5	7.9	10.8	12.8	12.0	10.7	11.5	11.7	8.6	12.3	12.0	9.7	11.0
	MAXIMUM	23.1	20.4	23.1	23.5	20.2	18.3	22.2	23.5	18.9	20.8	27.8	24.7	27.8
	DAY-HR	13-06	11-03	20-16	16-20	07-00	21-05	21-18	22-21	30-09	10-06	04-18	31-14	NOV
	MINIMUM	1.9	0.0	0.0	2.3	1.0	0.0	2.9	2.9	0.4	0.6	2.7	0.4	0.0
	DAY-HR	12-15	21-03	07-19	25-17	06-10	28-01	02-14	27-18	02-14	02-05	01-15	24-09	JUN
	# OBS	483	664	742	719	744	717	741	740	717	739	715	744	8465
1996	MEAN	10.9	14.0	12.9	11.6	9.9	10.6	11.6	10.1	9.7	10.5	13.2	11.6	11.3
	MAXIMUM	22.0	25.9	26.6	23.5	18.7	18.3	21.8	20.6	22.2	21.0	23.3	26.0	26.6
	DAY-HR	31-06	21-05	04-10	30-11	18-22	19-21	16-23	14-05	03-11	17-03	18-06	07-21	MAR
	MINIMUM	0.0	0.2	0.2	0.6	0.2	1.2	2.5	0.6	0.8	2.7	1.4	0.0	0.0
	DAY-HR	02-00	01-21	03-05	29-22	03-00	21-04	25-12	31-04	29-06	05-02	16-06	09-06	DEC

	# OBS	738	692	733	738	740	715	839	790	715	363	231	80	7374
1997	MEAN	10.9	12.5	13.0	11.4	11.2	12.6	13.1	9.9	9.9	11.2	13.5	15.0	12.0
	MAXIMUM	25.7	24.1	22.6	22.0	20.8	23.5	22.0	18.5	22.2	20.4	24.3	26.4	26.4
	DAY-HR	17-06	23-20	25-13	25-23	16-09	30-20	31-12	01-01	05-07	27-18	02-02	03-04	DEC
	MINIMUM	0.2	0.8	2.3	0.0	0.2	1.2	3.7	0.2	0.2	0.6	0.8	3.9	0.0
	DAY-HR	09-06	27-04	24-15	24-04	22-07	21-14	30-13	16-18	14-02	12-04	19-08	22-05	APR
	# OBS	547	660	742	716	743	717	736	739	718	741	707	744	8510
1998	MEAN	8.9	12.2	11.6	15.3	13.5	11.6	13.1	11.0	-	12.0	14.3	12.8	12.4
	MAXIMUM	23.5	22.6	22.0	26.2	20.8	19.2	21.2	20.2	-	19.2	24.7	23.5	26.2
	DAY-HR	06-10	23-10	25-11	10-18	21-02	22-21	08-17	24-21	-	27-01	20-15	06-10	APR
	MINIMUM	0.0	1.0	0.8	3.1	4.3	2.1	3.9	0.0	-	0.0	1.9	0.4	0.0
	DAY-HR	04-17	12-11	09-01	24-06	31-02	26-18	11-04	31-12	-	14-12	11-10	16-13	OCT
	# OBS	720	670	720	694	717	695	740	600	-	432	720	738	7446
1999	MEAN	11.9	13.5	14.5	12.8	11.1	10.3	11.1	12.3	11.2	11.1	13.9	12.6	12.2
	MAXIMUM	23.7	24.5	25.1	21.8	25.7	19.6	20.0	22.6	21.0	20.6	22.4	26.2	26.2
	DAY-HR	25-17	13-05	21-01	12-03	18-08	22-11	27-15	16-17	07-21	19-16	26-15	11-14	DEC
	MINIMUM	0.0	3.1	1.4	0.4	2.5	0.2	0.2	3.1	1.9	0.4	3.5	0.0	0.0
	DAY-HR	04-15	28-23	01-17	03-04	17-01	25-09	03-01	08-16	19-12	18-22	19-13	31-12	DEC
	# OBS	740	660	719	719	742	719	740	736	712	727	709	742	8665
2000	MEAN	14.1	10.6	12.6	14.9	10.5	10.5	12.7	12.4	10.3	13.3	11.6	-	12.2
	MAXIMUM	24.1	18.1	24.1	26.4	19.4	19.4	21.4	18.7	19.6	19.8	27.0	-	27.0
	DAY-HR	27-18	24-00	31-23	02-08	29-23	06-04	04-22	26-22	02-08	13-21	17-09	-	NOV
	MINIMUM	0.0	1.0	0.0	1.4	0.2	0.2	2.5	0.0	0.0	4.9	0.0	-	0.0
	DAY-HR	01-06	16-02	21-09	08-08	25-13	20-06	17-03	09-09	29-13	02-15	03-08	-	NOV
	# OBS	737	690	729	701	732	712	733	740	712	727	509	-	7722
2001	MEAN	13.6	14.6	12.0	14.0	9.8	10.6	11.2	12.4	12.2	12.5	12.4	14.0	12.4
	MAXIMUM	23.3	27.6	22.2	24.1	20.8	20.2	21.8	20.8	20.0	22.6	26.2	27.2	27.6
	DAY-HR	25-13	15-13	09-13	11-15	01-04	12-04	12-20	01-03	29-18	29-01	27-07	14-17	FEB
	MINIMUM	1.7	0.0	1.7	4.1	1.2	0.2	0.0	4.3	2.3	0.0	0.0	0.0	0.0
	DAY-HR	11-14	27-04	23-21	08-22	18-15	13-03	25-01	29-10	15-02	13-08	29-00	25-12	DEC
	# OBS	533	671	733	709	741	708	740	734	700	739	716	739	8463
POR	MEAN	12.1	11.4	13.2	12.7	11.4	11.4	11.7	11.4	10.2	11.3	12.8	12.4	11.8
	MAXIMUM	30.3	27.6	31.7	28.8	25.7	23.5	29.2	28.8	37.7	22.9	27.8	28.0	37.7
	YEAR	1990	2001	1994	1986	1999	1997	1994	1992	1992	1990	1995	1985	SEP/1992
	MINIMUM	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
	YEAR	2000	2001	2000	1997	1994	1995	2001	2000	2000	2001	2001	2001	DEC/2001
	# OBS	8984	9319	10021	10427	12076	11489	11467	11428	11376	10915	10287	8788	126577

STATION: 51003 -- POR (11/1984 - 12/2001)

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

ELEMENT: PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1984	MEAN	-	-	-	-	-	-	-	-	-	-	15.1	13.9	14.5
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	25.3	30.1	30.1
	DAY-HR	-	-	-	-	-	-	-	-	-	-	14-00	10-01	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	715	743	1458
1985	MEAN	12.5	13.1	19.2	14.2	14.8	11.9	13.1	12.8	10.6	12.9	12.5	17.3	13.5
	MAXIMUM	28.6	24.5	31.5	26.8	27.4	23.9	22.0	21.6	20.8	26.2	30.7	33.2	33.2
	DAY-HR	14-15	27-08	07-09	02-15	23-09	13-19	30-20	27-21	30-16	27-00	30-20	01-05	DEC
	# OBS	743	671	742	718	743	719	723	744	714	741	719	143	8120
1986	MEAN	-	11.1	15.6	17.5	14.3	16.1	14.8	13.8	10.6	13.2	-	14.2	14.3
	MAXIMUM	-	30.7	27.0	38.7	27.0	26.0	25.5	28.6	28.6	22.9	-	32.5	38.7
	DAY-HR	-	16-14	19-16	10-17	11-01	15-21	09-19	18-17	09-12	04-22	-	17-11	APR
	# OBS	-	532	739	718	736	719	742	743	717	215	-	506	6367
1987	MEAN	18.0	12.7	14.6	15.2	13.8	13.8	12.3	10.9	11.4	12.2	-	-	13.6
	MAXIMUM	34.8	29.4	28.4	34.0	27.8	23.3	25.5	22.4	30.7	23.1	-	-	34.8
	DAY-HR	19-05	16-18	29-11	01-07	08-11	14-16	18-23	27-02	18-15	01-14	-	-	JAN
	# OBS	738	671	743	718	743	716	744	742	681	376	-	-	6872
1988	MEAN	-	-	-	14.0	14.5	14.5	14.8	14.0	14.4	12.0	15.5	14.4	14.2
	MAXIMUM	-	-	-	20.8	24.7	21.8	26.4	25.5	32.9	22.0	32.5	33.0	33.0
	DAY-HR	-	-	-	30-06	29-20	24-07	29-14	08-08	04-20	27-01	19-02	18-13	DEC
	# OBS	-	-	-	48	743	720	742	736	718	742	714	740	5903
1989	MEAN	15.8	14.1	13.4	17.4	14.6	13.9	15.5	-	13.0	10.9	14.2	13.6	13.8
	MAXIMUM	32.1	30.1	28.2	31.7	20.8	24.3	24.3	-	23.3	24.7	28.8	28.4	32.1
	DAY-HR	12-16	27-18	03-09	09-03	16-18	23-18	13-15	-	03-05	25-20	04-02	13-11	JAN
	# OBS	738	328	247	236	245	239	106	-	692	739	720	734	5024

1990	MEAN	18.1	16.3	16.2	11.5	16.5	15.6	13.7	14.9	14.5	16.8	15.5	13.4	15.4
	MAXIMUM	35.2	28.6	31.7	22.6	28.6	27.4	25.3	25.5	25.3	34.8	31.7	21.8	35.2
	DAY-HR	26-00	07-21	10-09	22-00	03-18	20-05	28-14	13-11	06-11	21-04	13-05	09-18	JAN
	# OBS	420	224	246	302	740	714	736	741	716	738	719	217	6513
1991	MEAN	12.5	12.6	21.2	14.2	14.0	13.3	10.4	14.9	13.3	12.1	15.3	18.2	14.3
	MAXIMUM	26.8	27.8	37.1	24.3	24.7	23.9	15.9	23.9	25.1	23.5	32.9	31.3	37.1
	DAY-HR	27-22	14-04	13-20	06-17	06-22	06-23	05-12	27-04	11-13	17-16	13-21	26-21	MAR
	# OBS	125	665	467	598	740	717	180	422	719	743	719	389	6484
1992	MEAN	12.6	15.7	14.8	11.3	11.4	14.0	13.3	16.3	13.3	14.0	16.3	14.9	14.0
	MAXIMUM	29.7	28.8	27.8	19.6	26.6	24.3	26.8	34.4	46.9	24.3	26.2	29.7	46.9
	DAY-HR	15-03	12-15	17-21	29-21	06-21	25-05	26-11	13-07	11-17	22-20	03-14	17-08	SEP
	# OBS	246	229	244	654	742	719	741	741	715	741	718	743	7233
1993	MEAN	15.8	14.7	16.6	14.6	14.3	13.6	14.2	13.5	11.4	14.2	17.8	16.9	14.8
	MAXIMUM	34.0	27.0	27.4	24.5	25.1	24.3	27.2	24.5	26.4	25.3	34.4	33.2	34.4
	DAY-HR	05-14	13-17	11-09	20-05	06-19	03-17	22-03	12-03	23-23	03-17	24-04	07-17	NOV
	# OBS	736	637	732	718	744	524	741	739	716	744	717	741	8489
1994	MEAN	15.5	13.2	17.7	16.8	14.1	15.1	15.4	14.6	12.7	15.1	18.7	18.0	15.2
	MAXIMUM	33.2	27.4	38.3	28.2	24.7	26.6	34.8	26.0	24.5	27.2	32.7	23.5	38.3
	DAY-HR	24-06	12-14	24-08	12-17	27-17	27-02	23-09	24-22	04-16	21-04	17-18	03-15	MAR
	# OBS	740	654	743	720	738	719	743	740	712	667	238	45	7459
1995	MEAN	15.2	10.2	13.4	15.7	14.6	13.1	14.0	14.4	11.0	15.0	14.7	12.1	13.6
	MAXIMUM	26.8	24.5	28.8	34.0	24.3	21.8	28.8	27.4	23.9	28.2	32.5	29.7	34.0
	DAY-HR	13-10	11-01	20-16	13-04	07-00	04-22	21-18	22-21	30-09	09-12	04-18	31-14	APR
	# OBS	483	664	742	719	744	717	741	740	717	739	715	744	8465
1996	MEAN	13.6	17.5	16.0	14.1	12.2	13.0	14.1	12.4	12.1	13.1	16.0	17.8	13.9
	MAXIMUM	27.4	32.3	35.2	27.4	22.9	27.8	26.2	24.3	26.0	25.9	27.8	31.7	35.2
	DAY-HR	22-19	22-02	04-09	30-11	15-21	30-15	16-23	14-05	03-11	20-00	18-03	07-21	MAR
	# OBS	738	692	733	738	740	715	839	790	715	363	231	80	7374
1997	MEAN	13.5	15.2	15.7	14.0	13.7	15.2	15.8	12.3	12.4	13.7	16.4	18.2	14.7
	MAXIMUM	30.7	29.0	27.8	26.6	24.9	29.0	27.0	22.4	27.0	24.5	29.7	31.3	31.3
	DAY-HR	17-06	25-12	25-16	26-10	16-09	30-20	31-09	03-00	05-07	27-18	02-01	03-20	DEC
	# OBS	547	660	742	715	743	717	736	739	718	741	707	744	8509
1998	MEAN	11.5	15.1	14.2	18.3	16.3	14.1	15.8	13.4	-	14.3	17.3	15.6	15.1
	MAXIMUM	28.2	29.7	26.2	31.9	27.4	22.0	26.4	24.7	-	22.6	31.3	27.0	31.9
	DAY-HR	06-10	22-20	23-16	10-18	07-17	22-21	08-17	24-08	-	15-10	20-15	06-10	APR
	# OBS	720	670	720	694	717	695	740	600	-	432	720	738	7446
1999	MEAN	14.7	16.5	17.6	15.5	13.4	12.7	13.5	15.0	13.8	13.6	16.9	15.3	14.8
	MAXIMUM	29.0	34.2	31.3	25.7	30.1	23.3	24.9	27.0	25.1	23.9	27.2	31.3	34.2
	DAY-HR	25-17	03-06	20-21	12-03	18-08	09-05	27-15	16-17	07-21	21-08	30-13	11-14	FEB
	# OBS	740	660	719	719	742	719	740	734	712	727	709	742	8663
2000	MEAN	17.0	13.0	15.1	17.7	12.7	12.7	15.1	14.7	12.7	16.0	15.8	-	14.8
	MAXIMUM	30.3	22.0	28.4	33.6	24.5	22.4	24.9	22.0	23.5	25.5	31.9	-	33.6
	DAY-HR	27-18	19-18	31-23	02-08	10-16	07-09	04-22	19-21	01-19	12-16	17-09	-	APR
	# OBS	737	690	728	701	732	712	731	739	710	726	508	-	7714
2001	MEAN	16.9	18.0	14.8	17.1	12.3	13.1	13.6	15.2	15.1	15.5	15.6	17.6	15.4
	MAXIMUM	28.8	34.4	27.0	30.1	26.6	24.7	26.6	25.9	26.2	28.6	35.0	34.6	35.0
	DAY-HR	25-13	10-01	09-13	11-15	01-04	12-04	12-20	30-19	27-22	29-00	27-07	14-17	NOV
	# OBS	533	671	733	709	737	705	739	729	698	737	716	739	8446
POR	MEAN	15.0	14.2	16.0	15.4	13.9	13.9	14.2	13.9	12.6	13.9	15.7	15.3	14.5
	MAXIMUM	35.2	34.4	38.3	38.7	30.1	29.0	34.8	34.4	46.9	34.8	35.0	34.6	46.9
	YEAR	1990	2001	1994	1986	1999	1997	1994	1992	1992	1990	2001	2001	SEP/1992
	# OBS	8984	9318	10020	10425	12069	11486	11464	11419	11370	10911	10285	8788	126539

STATION: 51003 -- POR (1/2001 - 12/2001)

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

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
2001	MEAN	18.5	19.9	16.9	19.1	15.0	16.0	17.0	17.2	17.1	17.9	18.1	19.9	17.7
	MAXIMUM	32.5	39.5	31.1	36.7	28.8	25.9	32.1	27.0	27.2	32.9	36.5	40.2	40.2
	DAY-HR	25-21	15-09	03-18	01-03	01-03	23-18	13-04	11-21	27-13	29-00	27-06	13-14	DEC
	MINIMUM	10.5	7.4	10.1	11.5	7.6	10.9	2.3	11.5	11.1	3.7	4.9	4.1	2.3
	DAY-HR	09-22	10-11	23-12	23-15	18-15	25-19	25-01	26-18	06-19	06-08	17-16	22-20	JUL
	# OBS	534	671	731	705	738	700	734	718	687	736	716	738	8408

POR	MEAN	18.5	19.9	16.9	19.1	15.0	16.0	17.0	17.2	17.1	17.9	18.1	19.9	17.7
	MAXIMUM	32.5	39.5	31.1	36.7	28.8	25.9	32.1	27.0	27.2	32.9	36.5	40.2	40.2
	YEAR	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	DEC/2001
	MINIMUM	10.5	7.4	10.1	11.5	7.6	10.9	2.3	11.5	11.1	3.7	4.9	4.1	2.3
	YEAR	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	JUL/2001
	# OBS	534	671	731	705	738	700	734	718	687	736	716	738	8408

STATION: 51003 -- POR (11/1984 - 12/2001)

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1984	MEAN	-	-	-	-	-	-	-	-	-	-	2.5	2.7	2.6
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	4.6	5.5	5.5
	DAY-HR	-	-	-	-	-	-	-	-	-	-	27-13	09-16	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	712	744	1456
1985	MEAN	2.7	2.3	3.0	2.2	2.2	1.8	1.9	1.7	1.7	2.0	2.4	2.8	2.2
	MAXIMUM	5.8	3.7	5.0	4.2	3.2	2.6	3.2	2.7	2.6	3.9	4.9	6.0	6.0
	DAY-HR	15-09	15-06	07-14	02-15	12-09	23-04	01-19	29-04	30-05	26-08	20-20	21-22	DEC
	# OBS	742	667	739	716	742	719	719	742	711	741	719	744	8701
1986	MEAN	2.5	2.9	2.5	2.5	2.0	2.1	2.1	2.0	1.7	2.2	2.7	2.8	2.3
	MAXIMUM	4.0	6.8	4.4	5.6	3.0	3.1	4.9	2.8	3.0	4.3	5.1	4.9	6.8
	DAY-HR	08-06	23-16	05-18	10-22	31-01	19-23	23-23	01-03	25-08	31-22	04-04	02-02	FEB
	# OBS	741	668	739	718	735	719	740	742	713	735	694	741	8685
1987	MEAN	3.2	2.6	2.6	2.6	2.1	1.9	1.8	1.9	1.9	2.0	-	-	2.3
	MAXIMUM	6.1	4.2	4.6	4.9	3.7	3.0	2.6	3.2	3.1	3.1	-	-	6.1
	DAY-HR	10-13	28-11	04-13	02-04	08-12	16-00	31-23	29-00	23-13	01-19	-	-	JAN
	# OBS	738	670	741	716	742	715	742	736	679	371	-	-	6850
1988	MEAN	-	-	-	2.0	1.9	2.0	2.0	1.8	2.0	1.9	2.3	2.7	2.1
	MAXIMUM	-	-	-	2.2	2.7	2.6	3.1	3.0	4.4	3.3	6.6	5.6	6.6
	DAY-HR	-	-	-	29-18	08-07	16-09	07-05	06-06	04-22	08-06	05-01	07-17	NOV
	# OBS	-	-	-	48	742	719	736	726	707	739	715	740	5872
1989	MEAN	2.7	2.5	2.2	2.5	2.1	1.9	2.0	-	1.8	1.9	2.5	2.5	2.3
	MAXIMUM	5.3	4.6	3.8	4.7	2.7	2.7	2.5	-	2.9	3.1	5.5	4.7	5.5
	DAY-HR	30-05	04-00	08-06	07-18	05-00	05-03	07-00	-	03-22	11-03	17-04	01-17	NOV
	# OBS	738	327	246	234	241	231	68	-	658	736	719	347	4545
1990	MEAN	-	-	-	2.0	2.2	2.1	1.8	1.9	1.9	2.1	2.6	2.7	2.2
	MAXIMUM	-	-	-	2.3	3.6	2.9	2.7	2.9	3.4	2.9	4.9	4.0	4.9
	DAY-HR	-	-	-	30-15	04-19	22-03	03-12	10-01	19-02	12-13	25-11	15-14	NOV
	# OBS	-	-	-	93	732	706	727	731	703	730	718	742	5882
1991	MEAN	2.5	2.7	3.4	2.3	2.1	1.8	1.2	2.0	1.9	1.8	2.4	3.0	2.3
	MAXIMUM	4.7	5.1	5.0	3.9	3.0	2.6	1.6	3.1	3.0	3.4	4.0	5.7	5.7
	DAY-HR	29-01	26-06	04-02	06-23	07-13	10-13	08-12	27-02	11-16	13-16	23-15	20-15	DEC
	# OBS	741	665	466	593	730	711	179	415	713	743	717	389	7062
1992	MEAN	3.0	2.8	2.4	1.9	1.7	1.8	1.8	2.0	1.8	2.2	2.5	2.5	2.1
	MAXIMUM	5.1	4.8	3.8	3.0	3.9	2.8	3.7	3.5	5.5	3.7	4.0	4.1	5.5
	DAY-HR	15-06	04-00	18-15	29-23	07-12	14-19	27-03	13-04	11-16	26-14	29-08	14-16	SEP
	# OBS	246	226	244	649	739	719	737	739	712	739	713	738	7201
1993	MEAN	2.7	2.7	2.8	2.5	2.1	1.7	1.9	1.8	1.5	2.2	2.6	2.8	2.3
	MAXIMUM	6.0	5.6	4.9	3.7	3.4	2.9	2.8	2.9	2.7	4.6	4.6	4.8	6.0
	DAY-HR	07-05	06-16	15-10	04-00	07-02	04-00	27-03	16-03	30-15	27-04	24-20	04-05	JAN
	# OBS	733	615	728	717	742	520	737	729	710	744	716	740	8431
1994	MEAN	2.8	2.3	2.9	2.5	2.1	2.0	2.1	2.2	1.9	2.1	2.7	2.8	2.3
	MAXIMUM	5.1	4.4	6.1	4.3	3.5	2.7	5.2	4.7	2.6	3.4	4.3	3.5	6.1
	DAY-HR	29-12	01-00	16-17	01-05	28-06	27-05	23-09	23-23	20-20	21-01	20-00	03-03	MAR
	# OBS	739	645	739	718	737	716	725	740	712	666	238	45	7420
1995	MEAN	2.6	2.2	2.5	2.5	2.0	1.8	1.9	1.9	1.9	2.1	2.4	2.5	2.2
	MAXIMUM	4.9	5.0	4.2	4.3	3.9	2.7	2.8	2.8	4.4	2.9	5.9	4.8	5.9
	DAY-HR	31-22	01-10	05-00	17-23	07-07	13-01	24-01	09-12	22-18	30-01	23-19	26-21	NOV
	# OBS	483	664	742	717	744	717	741	740	717	740	715	744	8464
1996	MEAN	2.5	3.3	2.5	2.2	1.8	1.9	1.9	1.6	1.9	2.1	2.9	2.9	2.2
	MAXIMUM	6.0	5.5	4.0	3.4	3.7	2.8	3.2	2.3	3.0	4.0	5.3	6.0	6.0
	DAY-HR	11-11	07-22	04-10	10-21	01-10	26-10	23-22	17-08	27-05	28-03	15-00	08-00	DEC
	# OBS	737	692	743	738	738	712	839	790	714	362	231	247	7543
1997	MEAN	2.6	2.7	2.4	2.2	2.0	2.0	2.0	1.7	2.0	2.0	2.6	2.8	2.3

	MAXIMUM	3.9	4.4	4.0	4.5	3.4	3.1	3.6	2.8	4.2	4.1	4.4	5.3	5.3
	DAY-HR	10-13	24-01	25-15	02-21	12-16	21-00	01-14	01-13	24-10	28-15	26-01	03-05	DEC
	# OBS	610	660	740	713	741	717	736	738	715	741	707	744	8562
1998	MEAN	3.1	2.9	2.4	2.6	2.4	2.0	1.9	1.8	-	2.0	2.6	2.8	2.4
	MAXIMUM	5.6	4.7	5.7	4.1	3.4	3.0	3.1	2.8	-	3.7	5.2	5.1	5.7
	DAY-HR	07-14	13-07	14-10	12-00	23-21	24-12	07-17	24-03	-	29-08	12-06	05-16	MAR
	# OBS	720	668	720	693	716	695	737	595	-	432	720	732	7428
1999	MEAN	2.6	2.8	2.7	2.2	1.8	1.8	2.0	1.9	1.9	2.0	2.5	2.6	2.2
	MAXIMUM	6.1	6.4	4.8	4.6	2.9	2.5	3.4	3.6	3.1	3.4	4.3	4.8	6.4
	DAY-HR	01-10	27-09	22-02	05-06	18-08	18-04	28-04	17-04	02-03	21-08	29-15	04-23	FEB
	# OBS	739	659	718	715	737	707	718	728	712	726	708	742	8609
2000	MEAN	2.6	2.5	2.4	2.5	1.8	1.6	1.9	2.0	1.9	2.2	2.6	-	2.2
	MAXIMUM	4.2	4.5	4.3	4.5	2.6	2.9	5.0	3.0	3.7	3.5	4.2	-	5.0
	DAY-HR	27-20	20-11	24-17	02-00	12-09	25-10	09-23	22-17	28-06	22-23	06-21	-	JUL
	# OBS	737	690	728	701	731	709	727	735	710	725	509	-	7702
2001	MEAN	2.8	2.7	2.3	2.4	1.7	1.7	1.8	2.1	2.0	2.2	2.6	3.0	2.3
	MAXIMUM	5.6	4.8	3.6	3.3	3.2	2.3	2.9	3.1	2.9	4.4	4.3	5.0	5.6
	DAY-HR	13-03	15-20	11-02	13-06	01-06	28-04	31-23	01-02	18-01	28-20	27-16	27-12	JAN
	# OBS	533	670	732	707	737	696	735	713	687	735	716	739	8400
POR	MEAN	2.7	2.7	2.6	2.4	2.0	1.9	1.9	1.9	1.9	2.1	2.5	2.7	2.2
	MAXIMUM	6.1	6.8	6.1	5.6	3.9	3.1	5.2	4.7	5.5	4.6	6.6	6.0	6.8
	YEAR	1999	1986	1994	1986	1995	1997	1994	1994	1992	1993	1988	1996	FEB/1986
	# OBS	9977	9186	9765	10186	12026	11428	11343	11339	11273	11405	10967	9918	128813

STATION: 51003

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

Month: JAN

		WIND DIRECTION													TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.2	0.1	-	*	*	*	*	0.1	*	*	0.1	*	*	0.6	50	
1 - 3		0.3	0.4	0.6	0.6	0.6	0.5	0.4	0.3	0.4	0.3	0.3	0.3	4.9	439	
4 - 6		0.7	0.9	1.2	1.3	1.0	1.0	0.7	0.7	0.6	0.2	0.2	0.3	8.8	794	
7 - 10		1.0	2.0	4.8	5.2	3.6	1.4	1.1	1.0	0.5	0.3	0.5	0.6	22.0	1980	
11 - 15		1.6	3.9	13.0	9.8	5.0	1.0	1.0	0.9	0.8	0.3	0.4	1.2	38.9	3492	
16 - 20		0.9	1.8	8.2	4.7	1.9	0.2	0.4	0.2	0.2	0.4	0.7	0.7	20.4	1830	
21 - 24		0.3	1.0	1.4	0.3	0.2	0.1	*	*	0.1	0.2	0.3	0.2	4.0	360	
25 - 33		*	0.3	*	*	*	-	*	-	-	-	*	*	0.4	39	
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %		0.2	4.9	10.3	29.2	21.9	12.4	4.1	3.7	3.1	2.6	1.8	2.5	3.5	100.0	
TOTAL N		14	439	922	2627	1971	1112	364	331	282	231	158	223	310	8984	
(* < 0.05%)																

(* < 0.05%)

STATION: 51003

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

Month: FEB

		WIND DIRECTION													TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.1	0.1	*	*	0.1	-	*	0.1	*	*	0.1	*	*	0.6	57	
1 - 3		0.5	0.5	0.5	0.8	0.5	0.4	0.4	0.3	0.5	0.5	0.4	0.6	5.9	547	
4 - 6		0.8	1.0	1.6	2.1	1.3	0.8	0.6	0.5	0.5	0.8	0.7	0.6	11.2	1042	
7 - 10		1.1	2.0	6.7	6.6	2.6	2.0	1.0	1.4	0.9	0.8	0.7	0.6	26.5	2466	
11 - 15		1.0	2.8	11.7	10.0	3.5	1.9	1.1	0.7	0.5	0.4	0.5	0.5	34.5	3218	
16 - 20		1.3	3.7	5.8	3.4	1.2	0.7	0.2	0.3	0.1	0.1	0.4	0.3	17.5	1627	
21 - 24		0.2	1.1	1.6	0.4	0.1	*	-	-	-	*	0.1	*	3.6	340	
25 - 33		-	*	0.2	-	-	*	-	-	-	-	-	-	0.2	22	
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %		0.1	5.0	11.1	28.1	23.4	9.2	6.0	3.3	3.2	2.5	2.7	2.7	100.0		
TOTAL N		12	466	1035	2619	2178	861	556	311	298	230	250	254		9319	
(* < 0.05%)																

(* < 0.05%)

STATION: 51003

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

Month: MAR

		WIND DIRECTION													TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.0	*	-	-	*	-	-	*	-	-	*	*	*	0.2	19	
1 - 3		0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	2.4	238	
4 - 6		0.3	0.7	1.1	1.1	0.5	0.3	0.4	0.2	0.1	0.3	0.3	0.2	5.5	555	

7 - 10	0.9	2.1	6.1	6.7	3.0	0.8	0.5	0.2	0.3	0.4	0.4	0.3	21.8	2187
11 - 15	2.0	3.3	14.3	12.3	4.0	0.5	0.1	0.1	0.2	0.3	0.6	0.4	38.1	3814
16 - 20	1.2	3.4	13.4	6.2	1.6	0.2	0.1	0.1	0.1	0.1	0.2	0.2	26.8	2685
21 - 24	0.1	0.7	2.4	1.0	0.1	*	*	-	*	*	0.1	*	4.7	467
25 - 33	*	*	0.4	*	*	-	-	-	*	-	-	-	0.6	56
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	4.8	10.6	38.2	27.6	9.4	2.0	1.3	0.8	0.9	1.3	1.8	1.4	100.0
TOTAL N	5	485	1060	3826	2762	938	203	127	78	95	127	177	138	10021
(* < 0.05%)														

STATION: 51003

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

Month: APR

WIND SPEED		WIND DIRECTION												TOT %	TOT N
		CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31		
0	0.0	*	-	*	*	*	*	*	*	-	-	-	-	0.2	16
1 - 3		0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	*	0.1	0.1	0.1	1.9	197
4 - 6		0.3	0.5	0.8	1.0	0.7	0.3	0.1	0.1	0.1	0.1	0.2	0.3	4.5	471
7 - 10		0.6	2.3	7.8	8.3	2.7	0.6	0.1	*	0.1	*	0.2	0.2	22.9	2391
11 - 15		0.5	4.0	19.7	17.4	4.9	0.6	*	*	*	*	0.1	*	47.2	4923
16 - 20		0.2	2.4	11.2	4.6	1.2	0.1	*	-	*	-	-	0.1	19.8	2062
21 - 24		*	0.8	2.0	0.4	*	-	-	-	-	-	-	*	3.2	336
25 - 33		-	0.1	0.2	*	-	-	-	-	-	-	-	-	0.3	31
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
TOTAL %		0.0	1.8	10.3	41.9	32.1	9.7	1.8	0.4	0.2	0.3	0.2	0.6	0.7	100.0
TOTAL N		4	187	1073	4366	3346	1007	183	45	24	34	23	58	78	10428
(* < 0.05%)															

STATION: 51003

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

Month: MAY

WIND SPEED		WIND DIRECTION												TOT %	TOT N
		CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31		
0	0.1	*	-	*	*	-	-	*	*	*	*	-	*	0.2	28
1 - 3		0.2	0.3	0.3	0.4	0.3	0.1	0.1	0.1	*	0.2	0.1	0.1	2.2	270
4 - 6		0.6	1.1	1.5	1.8	1.3	0.4	0.3	0.1	0.2	0.1	0.2	0.2	7.8	942
7 - 10		1.0	2.9	9.3	9.8	4.1	0.8	0.1	0.3	0.3	0.2	0.1	0.4	29.2	3528
11 - 15		0.6	4.1	20.3	16.3	5.2	0.3	*	0.1	0.1	0.1	*	0.1	47.0	5681
16 - 20		0.1	2.0	6.9	2.8	0.9	*	*	-	-	-	-	*	12.9	1555
21 - 24		-	0.3	0.2	0.1	*	-	-	-	-	-	-	-	0.6	71
25 - 33		-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %		0.1	2.4	10.7	38.5	31.3	11.8	1.6	0.5	0.5	0.6	0.6	0.4	0.9	100.0
TOTAL N		9	295	1288	4653	3780	1421	197	65	61	76	69	53	109	12076
(* < 0.05%)															

STATION: 51003

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

Month: JUN

WIND SPEED		WIND DIRECTION												TOT %	TOT N	
		CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31			32-34
0	0.1	*	-	-		*	*	*	*	-	-	*	-	-	0.1	15
1 - 3		*	0.1	0.2	0.3	0.3	0.1	0.1	-	*	-	*	*	*	1.3	151
4 - 6		0.2	0.6	1.3	1.7	1.0	0.2	*	-	-	*	*	*	*	5.1	585
7 - 10		0.2	2.2	13.1	12.2	3.7	0.3	*	-	-	-	-	-	0.1	31.8	3652
11 - 15		0.1	3.8	27.4	18.3	2.9	0.2	*	-	-	-	-	-	-	52.6	6040
16 - 20		-	0.6	5.2	3.0	0.1	*	-	-	-	-	-	-	-	9.0	1035
21 - 24		-	-	*	*	*	-	-	-	-	-	-	-	-	0.1	11
25 - 33		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %		0.1	0.5	7.3	47.3	35.5	8.1	0.9	0.1	0.0	0.0	0.0	0.0	0.1	100.0	
TOTAL N		6	63	836	5436	4082	929	99	17	0	1	2	3	15		11489
(* < 0.05%)																

STATION: 51003

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

Month: JUL

WIND DIRECTION

STATION: 51003

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	0.1	*	-	-	-	*	-	*	*	-	*	-	-	0.2	24
1 - 3		0.4	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	2.1	213
4 - 6		0.3	0.6	1.3	1.3	0.6	0.5	0.3	0.1	0.1	0.2	0.2	0.3	5.7	582
7 - 10		0.4	1.6	6.7	6.7	2.7	1.0	0.5	0.4	0.2	0.2	0.3	0.5	21.3	2188
11 - 15		1.2	3.9	16.7	13.0	4.2	2.1	0.9	0.3	0.2	0.2	0.1	0.2	43.0	4423
16 - 20		1.2	2.6	11.5	5.8	1.8	0.9	0.2	0.2	*	*	0.1	0.1	24.3	2504
21 - 24		0.2	0.8	1.4	0.3	0.2	0.1	*	0.1	*	*	-	*	3.1	321
25 - 33		*	0.1	*	*	0.1	-	-	-	*	-	-	-	0.3	32
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	3.8	9.7	37.9	27.5	9.8	4.8	2.0	1.1	0.7	0.7	0.8	1.2	100.0	
TOTAL N	13	390	995	3896	2826	1003	489	209	118	68	69	85	126		10287

(* < 0.05%)

STATION: 51003

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

Month: DEC

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	*	-	*	*	*	*	*	-	*	-	0.1	0.4	34
1 - 3		0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.2	3.3	293
4 - 6		0.3	0.7	1.2	1.7	0.8	1.0	0.7	0.3	0.1	0.1	0.1	0.2	7.2	636
7 - 10		0.7	1.9	5.9	6.3	4.3	2.0	0.7	0.5	0.4	0.3	0.1	0.4	23.6	2074
11 - 15		1.2	3.6	13.3	11.6	5.0	2.1	0.8	0.3	0.3	0.1	0.1	0.3	38.6	3395
16 - 20		0.7	1.8	10.1	6.2	2.0	0.8	0.2	0.1	0.1	0.1	*	0.1	22.2	1951
21 - 24		0.1	0.4	2.4	0.7	0.2	0.2	*	*	-	*	-	*	4.2	365
25 - 33		*	0.1	0.2	0.1	*	*	-	-	-	-	-	*	0.5	40
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	3.3	8.8	33.5	27.0	12.7	6.5	2.8	1.6	1.0	0.6	0.5	1.4	100.0	
TOTAL N	11	294	776	2948	2370	1116	575	249	138	90	53	42	126		8788

(* < 0.05%)

STATION: 51003

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

All Months: Annual

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	*	*	*	*	*	*	*	*	*	*	*	0.3	391
1 - 3		0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	2.6	3332
4 - 6		0.4	0.8	1.5	1.8	1.0	0.5	0.3	0.2	0.1	0.1	0.2	0.2	7.0	8837
7 - 10		0.6	2.4	9.3	9.3	3.4	1.0	0.4	0.3	0.2	0.2	0.2	0.3	27.5	34856
11 - 15		0.7	3.7	19.6	15.0	4.0	0.8	0.4	0.2	0.2	0.1	0.1	0.2	44.9	56814
16 - 20		0.4	1.7	7.6	3.9	1.1	0.3	0.1	0.1	*	0.1	0.1	0.1	15.5	19677
21 - 24		0.1	0.4	0.9	0.3	0.1	*	*	*	*	*	*	*	1.9	2417
25 - 33		*	*	0.1	*	*	*	*	-	*	-	*	*	0.2	248
34 - 47		*	*	-	-	-	-	-	-	-	-	-	-	0.0	5
> 48		-	-	*	-	*	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.1	2.4	9.3	39.4	30.7	9.9	2.8	1.3	0.9	0.7	0.7	0.8	1.0	100.0	
TOTAL N	138	3047	11771	49934	38884	12573	3517	1701	1111	880	823	959	1241		126579

(* < 0.05%)

STATION: 51003

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	0.1	*	*	0.1	*	*	0.1	*	*	0.1	*	*	0.5	141
1 - 3		0.3	0.4	0.5	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	4.7	1279
4 - 6		0.6	0.9	1.3	1.7	1.0	0.9	0.7	0.5	0.4	0.4	0.3	0.4	9.1	2472
7 - 10		0.9	2.0	5.8	6.0	3.5	1.8	1.0	1.0	0.6	0.5	0.5	0.6	24.1	6520
11 - 15		1.3	3.4	12.6	10.5	4.5	1.7	0.9	0.6	0.5	0.3	0.3	0.7	37.3	10105
16 - 20		1.0	2.4	8.0	4.7	1.7	0.6	0.3	0.2	0.1	0.2	0.4	0.4	20.0	5408
21 - 24		0.2	0.8	1.8	0.5	0.2	0.1	*	*	*	0.1	0.1	0.1	3.9	1065
25 - 33		*	0.1	0.1	*	*	*	*	-	-	-	*	*	0.4	101
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	4.4	10.1	30.2	24.1	11.4	5.5	3.3	2.7	2.0	1.7	1.9	2.5	100.0	
TOTAL N	37	1199	2733	8194	6519	3089	1495	891	718	551	461	519	685		27091

[illegible]

7	-	10	-	5.1	23.0	1.1	*	-	-	-	-	-	-	-	-	-	29.3	3518
11	-	15	-	1.5	38.8	6.8	*	-	-	-	-	-	-	-	-	-	47.0	5654
16	-	20	-	*	6.1	6.5	0.3	-	-	-	-	-	-	-	-	-	12.9	1549
21	-	24	-	-	0.1	0.4	0.1	-	-	-	-	-	-	-	-	-	0.6	70
25	-	33	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
34	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %			0.0	9.4	75.1	15.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N			0	1133	9032	1809	52	0	0	0	0	0	0	0	0	0		12026
(* < 0.05%)																		

STATION: 51003

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

Month: JUN

			WAVE HEIGHT																
			0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED			0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
0			-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	15
1	-	3	-	0.6	0.7	-	-	-	-	-	-	-	-	-	-	-	-	1.3	147
4	-	6	-	2.0	3.0	*	-	-	-	-	-	-	-	-	-	-	-	5.1	584
7	-	10	-	6.3	25.0	0.5	-	-	-	-	-	-	-	-	-	-	-	31.8	3633
11	-	15	-	1.9	47.6	3.1	-	-	-	-	-	-	-	-	-	-	-	52.5	6004
16	-	20	-	0.2	6.3	2.5	-	-	-	-	-	-	-	-	-	-	-	9.0	1033
21	-	24	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	11
25	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48			-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %			0.0	11.1	82.8	6.1	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			0	1265	9466	697	0	0	0	0	0	0	0	0	0	0	0		11428
(* < 0.05%)																			

STATION: 51003

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

Month: JUL

			WAVE HEIGHT																
			0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED			0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
0			-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
1	-	3	-	0.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	0.7	78
4	-	6	*	1.4	2.7	*	-	-	-	-	-	-	-	-	-	-	-	4.1	469
7	-	10	*	5.1	25.0	0.3	0.1	0.1	-	-	-	-	-	-	-	-	-	30.5	3463
11	-	15	*	1.4	49.2	3.1	0.1	*	-	-	-	-	-	-	-	-	-	53.8	6102
16	-	20	-	*	7.3	3.0	0.1	-	-	-	-	-	-	-	-	-	-	10.5	1191
21	-	24	-	-	0.1	0.2	*	-	-	-	-	-	-	-	-	-	-	0.3	32
25	-	33	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.0	4
34	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %			0.0	8.1	84.8	6.6	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			3	922	9617	753	37	11	0	0	0	0	0	0	0	0	0		11343
(* < 0.05%)																			

STATION: 51003

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

Month: AUG

			WAVE HEIGHT																
			0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED			0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
0			0.1	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3	30
1	-	3	0.1	0.3	0.8	*	-	-	-	-	-	-	-	-	-	-	-	1.2	133
4	-	6	*	1.8	3.7	0.1	-	-	-	-	-	-	-	-	-	-	-	5.5	629
7	-	10	-	6.3	24.5	0.6	-	-	-	-	-	-	-	-	-	-	-	31.4	3555
11	-	15	*	2.5	45.3	4.0	*	-	-	-	-	-	-	-	-	-	-	51.9	5882
16	-	20	*	*	6.6	2.5	0.3	*	-	-	-	-	-	-	-	-	-	9.4	1066
21	-	24	-	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.3	34
25	-	33	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	9
34	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-		-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %			0.2	10.8	81.1	7.4	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			24	1230	9200	842	41	2	0	0	0	0	0	0	0	0	0		11339
(* < 0.05%)																			

STATION: 51003

Month: SEP

		WAVE HEIGHT														TOT %	TOT N	
		0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4			>13.4
WIND SPEED	0	*	0.2	0.3	*	-	-	-	-	-	-	-	-	-	-	-	0.5	58
1	- 3	-	1.5	2.3	0.1	*	-	-	-	-	-	-	-	-	-	-	3.9	444
4	- 6	*	3.3	7.5	0.4	0.1	-	-	-	-	-	-	-	-	-	-	11.4	1282
7	- 10	*	6.5	28.7	1.3	0.2	-	-	-	-	-	-	-	-	-	-	36.6	4128
11	- 15	-	2.2	35.7	3.2	0.1	-	-	-	-	-	-	-	-	-	-	41.2	4640
16	- 20	-	0.1	3.7	2.0	0.1	-	-	-	-	-	-	-	-	-	-	5.9	663
21	- 24	-	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.3	39
25	- 33	-	-	-	-	0.1	*	-	-	-	-	-	-	-	-	-	0.1	13
34	- 47	-	-	-	-	-	*	*	-	-	-	-	-	-	-	-	0.0	5
> 48		-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %		0.0	13.8	78.3	7.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		4	1556	8826	812	69	5	1	0	0	0	0	0	0	0	0		11273
(* < 0.05%)																		

STATION: 51003

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

Month: OCT

[illegible]

STATION: 51003

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

Month: NOV

[illegible]

STATION: 51003

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

Month: DEC

[illegible]

(* < 0.05%)

STATION: 51003

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

Month: SEP

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	11
5.5 - 6.4	-	0.6	1.8	-	-	-	-	-	-	-	-	-	-	-	-	2.4	273
6.5 - 7.4	-	1.1	11.2	0.1	-	-	-	-	-	-	-	-	-	-	-	12.4	1395
7.5 - 8.4	-	3.4	25.0	1.5	*	-	-	-	-	-	-	-	-	-	-	29.9	3369
8.5 - 9.4	-	2.8	9.0	1.3	0.1	*	-	-	-	-	-	-	-	-	-	13.2	1489
9.5 - 10.4	-	2.1	6.2	0.7	0.1	-	-	-	-	-	-	-	-	-	-	9.1	1030
10.5 - 11.4	-	1.6	6.8	0.4	*	-	-	-	-	-	-	-	-	-	-	8.8	992
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.0	6.9	0.9	*	*	-	-	-	-	-	-	-	-	-	8.9	1001
13.5 - 14.4	-	0.8	7.0	1.6	0.1	*	*	-	-	-	-	-	-	-	-	9.6	1080
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.3	3.6	0.6	0.2	-	-	-	-	-	-	-	-	-	-	4.7	531
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	0.6	0.1	*	-	-	-	-	-	-	-	-	-	-	0.8	85
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.1	8
TOTAL %	0.0	13.8	78.3	7.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	1556	8821	812	69	5	1	0	0	0	0	0	0	0	0		11268

(* < 0.05%)

STATION: 51003

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

Month: OCT

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
4.5 - 5.4	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	6
5.5 - 6.4	-	0.1	1.6	*	-	-	-	-	-	-	-	-	-	-	-	1.7	194
6.5 - 7.4	-	0.1	8.4	0.2	-	-	-	-	-	-	-	-	-	-	-	8.8	998
7.5 - 8.4	-	1.3	21.4	4.4	*	-	-	-	-	-	-	-	-	-	-	27.2	3098
8.5 - 9.4	-	1.5	8.5	2.5	*	-	-	-	-	-	-	-	-	-	-	12.5	1424
9.5 - 10.4	-	0.7	7.0	1.1	0.1	-	-	-	-	-	-	-	-	-	-	8.9	1020
10.5 - 11.4	*	0.6	9.1	1.3	0.2	-	-	-	-	-	-	-	-	-	-	11.1	1269
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	0.9	11.0	2.3	0.1	-	-	-	-	-	-	-	-	-	-	14.3	1630
13.5 - 14.4	-	0.4	7.5	2.6	0.1	*	-	-	-	-	-	-	-	-	-	10.7	1219
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.1	2.7	0.9	0.3	-	-	-	-	-	-	-	-	-	-	4.0	452
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	0.4	0.3	0.1	-	-	-	-	-	-	-	-	-	-	0.8	88
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	5.6	77.7	15.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	5	640	8863	1793	103	1	0	0	0	0	0	0	0	0	0		11405

(* < 0.05%)

STATION: 51003

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

[illegible][illegible][illegible]

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	0.1	0.8	*	-	-	-	-	-	-	-	-	-	-	-	-	0.9	90
5.5 - 6.4	-	0.2	14.0	7.6	0.1	-	-	-	-	-	-	-	-	-	-	-	21.9	2172
6.5 - 7.4	-	0.2	15.0	23.7	6.3	0.4	-	-	-	-	-	-	-	-	-	-	45.5	4514
7.5 - 8.4	-	*	5.6	8.5	2.5	1.1	*	-	-	-	-	-	-	-	-	-	17.8	1770
8.5 - 9.4	-	-	1.8	4.3	1.0	0.1	0.1	-	-	-	-	-	-	-	-	-	7.3	724
9.5 - 10.4	-	-	0.2	1.8	1.1	0.1	*	-	-	-	-	-	-	-	-	-	3.2	322
10.5 - 11.4	-	-	0.1	0.7	0.9	0.2	*	-	-	-	-	-	-	-	-	-	2.0	196
11.5 - 12.4	-	-	-	0.2	0.4	0.2	-	-	-	-	-	-	-	-	-	-	0.9	86
12.5 - 13.4	-	-	-	*	0.1	0.2	*	-	-	-	-	-	-	-	-	-	0.3	34
13.5 - 14.4	-	-	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	0.1	8
14.5 - 15.4	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	0.5	37.4	46.9	12.5	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	53	3713	4651	1243	241	17	0	0	0	0	0	0	0	0	0	9918	
(* < 0.05%)																		

STATION: 51003

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

All Months: Annual

		WAVE HEIGHT																
		0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4	TOT %	TOT N
WAVE PERIOD		*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	37
< 0.5																		
0.5 - 1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4		-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	17
4.5 - 5.4		-	1.0	3.5	*	-	-	-	-	-	-	-	-	-	-	-	4.5	5843
5.5 - 6.4		*	3.1	38.0	6.1	*	-	-	-	-	-	-	-	-	-	-	47.2	60828
6.5 - 7.4		-	1.4	15.7	11.0	2.2	0.1	-	-	-	-	-	-	-	-	-	30.4	39106
7.5 - 8.4		-	0.4	4.7	3.9	1.1	0.2	*	-	-	-	-	-	-	-	-	10.4	13333
8.5 - 9.4		-	*	1.5	2.1	0.6	0.1	*	-	-	-	-	-	-	-	-	4.3	5525
9.5 - 10.4		-	*	0.4	1.0	0.5	0.1	*	*	-	-	-	-	-	-	-	1.9	2501
10.5 - 11.4		-	-	0.1	0.3	0.4	0.1	*	-	-	-	-	-	-	-	-	0.8	1070
11.5 - 12.4		-	-	*	0.1	0.1	0.1	*	-	-	-	-	-	-	-	-	0.3	340
12.5 - 13.4		-	-	*	*	*	0.1	*	*	-	-	-	-	-	-	-	0.1	158
13.5 - 14.4		-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.0	36
14.5 - 15.4		-	-	-	-	*	*	*	-	-	-	-	-	-	-	-	0.0	8
15.5 - 16.4		-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	0.0	5
16.5 - 17.4		-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
TOTAL %		0.0	5.9	63.9	24.4	5.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		38	7631	82244	31444	6401	953	94	3	0	0	0	0	0	0	0		128808
(* < 0.05%)																		

STATION: 51003

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

Months: DEC, JAN, FEB (winter)

WAVE HEIGHT																	
WAVE PERIOD	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
4.5 - 5.4	-	0.1	0.7	*	-	-	-	-	-	-	-	-	-	-	-	0.8	245
5.5 - 6.4	-	0.3	12.3	6.1	*	-	-	-	-	-	-	-	-	-	-	18.7	5442
6.5 - 7.4	-	0.4	15.2	19.1	4.8	0.2	-	-	-	-	-	-	-	-	-	39.6	11516
7.5 - 8.4	-	0.3	7.6	8.8	2.7	0.7	*	-	-	-	-	-	-	-	-	20.2	5871
8.5 - 9.4	-	*	2.9	5.8	1.6	0.3	0.1	-	-	-	-	-	-	-	-	10.7	3106
9.5 - 10.4	-	-	0.9	2.9	1.6	0.3	*	-	-	-	-	-	-	-	-	5.7	1648
10.5 - 11.4	-	-	0.2	1.0	1.3	0.3	*	-	-	-	-	-	-	-	-	2.8	820
11.5 - 12.4	-	-	*	0.2	0.4	0.2	*	-	-	-	-	-	-	-	-	0.9	262
12.5 - 13.4	-	-	*	*	0.2	0.2	*	*	-	-	-	-	-	-	-	0.4	126
13.5 - 14.4	-	-	-	-	*	0.1	-	-	-	-	-	-	-	-	-	0.1	30
14.5 - 15.4	-	-	-	-	*	*	*	-	-	-	-	-	-	-	-	0.0	8
15.5 - 16.4	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	0.0	5
16.5 - 17.4	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	1.1	39.8	43.9	12.5	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	330	11583	12760	3643	686	77	2	0	0	0	0	0	0	0		29081
(* < 0.05%)																	

STATION: 51003

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
4.5 - 5.4	-	0.6	2.6	*	-	-	-	-	-	-	-	-	-	-	-	3.2	1029
5.5 - 6.4	-	2.5	33.8	8.6	0.1	-	-	-	-	-	-	-	-	-	-	45.0	14397
6.5 - 7.4	-	1.5	17.0	14.4	3.0	0.1	-	-	-	-	-	-	-	-	-	36.1	11528
7.5 - 8.4	-	0.3	4.7	4.0	1.1	0.2	*	-	-	-	-	-	-	-	-	10.3	3287
8.5 - 9.4	-	*	1.5	1.9	0.4	*	-	-	-	-	-	-	-	-	-	3.9	1232
9.5 - 10.4	-	*	0.3	0.7	0.2	*	*	-	-	-	-	-	-	-	-	1.2	390
10.5 - 11.4	-	-	*	0.1	0.1	*	-	-	-	-	-	-	-	-	-	0.3	93
11.5 - 12.4	-	-	*	*	*	-	-	-	-	-	-	-	-	-	-	0.1	16
12.5 - 13.4	-	-	-	-	*	-	*	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.0	4.9	59.9	29.7	4.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	1572	19168	9512	1566	148	10	0	0	0	0	0	0	0	0		31977

(* < 0.05%)

STATION: 51003

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

Months: JUN, JUL, AUG (Summer)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	27
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	15
4.5 - 5.4	-	2.4	6.9	*	-	-	-	-	-	-	-	-	-	-	-	9.3	3173
5.5 - 6.4	-	5.8	63.6	3.8	*	-	-	-	-	-	-	-	-	-	-	73.2	24974
6.5 - 7.4	-	1.5	11.3	2.7	0.1	*	-	-	-	-	-	-	-	-	-	15.6	5319
7.5 - 8.4	-	0.3	1.0	0.2	0.1	-	-	-	-	-	-	-	-	-	-	1.6	535
8.5 - 9.4	-	-	0.1	*	*	*	-	-	-	-	-	-	-	-	-	0.1	45
9.5 - 10.4	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.0	13
10.5 - 11.4	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.0	6
11.5 - 12.4	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	0.0	2
12.5 - 13.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.1	10.0	82.9	6.7	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	27	3417	28283	2292	78	13	0	0	0	0	0	0	0	0	0		34110

(* < 0.05%)

STATION: 51003

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

Months: SEP, OCT, NOV (Autumn)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	9
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	1.0	3.2	*	-	-	-	-	-	-	-	-	-	-	-	4.1	1396
5.5 - 6.4	*	3.1	38.4	6.0	0.1	-	-	-	-	-	-	-	-	-	-	47.6	16015
6.5 - 7.4	-	2.0	19.4	9.2	1.3	*	-	-	-	-	-	-	-	-	-	31.9	10743
7.5 - 8.4	-	0.8	5.9	3.3	0.9	*	*	-	-	-	-	-	-	-	-	10.8	3640
8.5 - 9.4	-	*	1.6	1.2	0.4	0.1	-	-	-	-	-	-	-	-	-	3.4	1142
9.5 - 10.4	-	*	0.4	0.6	0.3	0.1	*	*	-	-	-	-	-	-	-	1.3	450
10.5 - 11.4	-	-	*	0.2	0.2	*	-	-	-	-	-	-	-	-	-	0.4	151
11.5 - 12.4	-	-	*	*	0.1	0.1	-	-	-	-	-	-	-	-	-	0.2	60
12.5 - 13.4	-	-	-	*	*	*	*	-	-	-	-	-	-	-	-	0.1	28
13.5 - 14.4	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.0	6
TOTAL %	0.0	6.9	69.0	20.5	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	10	2312	23210	6880	1114	106	7	1	0	0	0	0	0	0	0		33640

(* < 0.05%)

Summary complete: 09-Sep-2003 10:24:51