

STATION: 46054

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (1/1994 - 12/2001) (66331 RECORDS, 96.6% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
25	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
24	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	3	999	
23	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	-	-	-	-	4	999	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	12	999	-	-	-	-	-	-	17	999
21	-	-	7	999	-	-	-	-	-	-	-	-	-	-	5	#	14	999	13	997	1	#	1	#	41	999	
20	1	#	8	998	-	-	-	-	-	-	-	2	#	23	999	35	996	98	995	2	999	2	999	2	999	171	999
19	4	999	20	996	1	#	4	#	1	#	2	#	22	999	33	995	103	990	127	976	8	999	4	999	329	996	
18	18	999	24	992	4	999	12	999	16	999	8	999	134	996	398	990	617	972	207	952	45	998	30	999	1513	991	
17	52	996	36	987	19	999	17	997	52	997	74	998	256	973	581	922	868	862	466	913	273	989	137	994	2831	969	
16	171	987	128	979	75	996	29	994	146	988	336	985	598	930	727	822	1345	707	1166	824	528	935	366	970	5615	926	
15	695	956	301	952	429	982	131	989	465	963	849	926	1230	828	1204	698	1343	467	1613	603	1006	830	705	908	9971	841	
14	1332	832	786	889	845	902	500	966	739	883	1360	776	2068	619	1652	492	964	227	1122	297	1458	630	1307	787	14133	691	
13	1811	594	1521	723	1488	746	1301	876	1798	756	1499	535	1316	268	1044	209	300	55	405	84	1275	341	1894	564	15652	478	
12	978	271	1088	401	1303	471	1511	644	1655	448	1122	270	240	44	160	31	9	2	40	8	324	88	937	240	9367	242	
11	422	96	587	172	984	230	1544	375	836	164	394	72	18	3	21	4	-	-	-	-	94	23	321	80	5221	101	
10	113	21	171	48	194	49	470	100	117	20	11	2	-	-	-	-	-	-	-	-	21	5	78	25	1175	22	
9	2	*	32	12	43	13	81	16	-	-	-	-	-	-	-	-	-	-	-	-	3	1	24	12	185	4	
8	-	-	14	5	18	5	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	8	70	2	
7	-	-	6	2	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	18	*	
6	-	-	2	1	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2	9	*	
5	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	5	*	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	13.2		12.8		12.6		12.0		12.7		13.4		14.3		14.8		15.7		15.3		14.1		13.4		13.7		
S.D.	1.4		1.6		1.4		1.3		1.3		1.4		1.3		1.6		1.5		1.5		1.4		1.6		1.8		
TOTAL	5599		4736		5411		5609		5825		5655		5884		5848		5604		5272		5038		5850		66331		
MAX	20.2		24.8		19.0		19.1		19.0		18.7		19.8		21.2		23.7		23.0		21.2		21.1		24.8		
DATE	2001010301	1995020206	1997031008	1996043006	1996050121	1998061721	1998072018	1997081919	1997092511	1994100907	1996110920	1999122005	1995020206														
MIN	9.4		5.3		6.4		7.5		9.7		10.0		10.9		10.8		12.1		11.6		9.0		4.8		4.8		
DATE	2001011616	2001021314	1999031513	1999040915	1999051517	1999061215	1994070214	1999082412	1995090114	1996102616	1994111916	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113	1998122113

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

STATION: 46054

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (1/1994 - 12/2001) (66195 RECORDS, 96.4% 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
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	#	-	-	-	-	-	-	-	-	5	#
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	56	999	40	#	-	-	-	-	97	999
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	999	198	989	90	992	-	-	-	-	366	998
19	-	-	-	-	-	-	-	2	#	-	-	56	#	385	986	311	954	97	975	-	-	-	-	851	993	
18	-	-	-	-	-	-	1	999	22	#	299	990	722	921	853	898	368	957	72	#	97	#	2434	980		
17	5	#	-	-	-	-	-	31	999	207	996	560	940	621	797	1144	746	959	887	444	986	309	983	4280	943	
16	516	999	131	#	105	#	3	#	186	994	579	959	901	844	688	691	1259	541	1434	704	843	897	580	931	7225	879
15	652	906	519	972	510	981	54	999	367	962	1032	857	1535	691	1140	573	1107	317	1242	431	1114	730	312	831	9584	769
14	1941	789	1389	863	1505	886	455	990	749	899	981	674	1608	430	1236	377	586	119	766	194	1551	508	1391	778	14158	625
13	2190	440	1378	569	1499	608	1479	909	1861	770	1587	501	781	156	771	166	79	14	250	48	933	200	2307	540	15115	411
12	246	45	914	278	1133	331	1522	644	1735	450	929	220	127	23	180	34	-	-	3	1	72	14	698	145	7559	182
11	6	1	399	84	649	121	1659	373	740	152	288	56	11	2	17	3	-	-	-	-	-	-	149	26	3918	68
10	-	-	-	-	5	1	428	76	144	25	26	5	-	-	-	-	-	-	-	-	-	-	-	-	603	9
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	13.7		13.2		13.0		12.0		12.7		13.7		14.9		15.4		16.4		15.8		14.6		13.7		14.1	
S.D.	1.0		1.2		1.2		1.1		1.3		1.5		1.4		2.0		1.6		1.5		1.3		1.5		1.9	
TOTAL	5556		4730		5406		5600		5816		5651		5878		5839		5598		5249		5029		5843		66195	
MAX	17.2		16.4		16.4		15.9		19.1		18.1		19.1		20.6		21.9		21.2		18.4		17.6		21.9	
DATE	1998010123	1998020100	1998032021	1996041422	1998052719	2000062500	1998072201	1994081722	1997092921	1997100603	1995110120	1997120422	1997092921													
MIN	11.3		10.5		10.3		9.6		9.7		9.8		11.3		11.3		12.5		12.2		11.8		10.9		9.6	
DATE	1996012706	1999022808	1997030112	1995042116	2000051207	2000061013	2000072822	2001082617	1995090102	1999100814	2000112704	2001121607	1995042116													

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

STATION: 46054

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (1/1994 - 12/2001) (66149 RECORDS, 96.3% 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
11	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
10	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
9	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	3	999
8	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
7	-	-	7	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	3	999	11	999
6	2	#	6	997	2	#	6	#	-	-	-	-	-	-	-	-	-	-	6	999	1	#	6	999	29	999
5	3	999	19	996	2	999	9	999	5	#	-	-	-	-	-	-	-	-	23	999	1	999	19	998	81	999
4	19	999	36	992	11	999	34	997	15	999	3	#	-	-	-	-	3	#	24	994	11	999	39	995	195	998
3	70	996	70	984	45	997	83	991	51	997	10	999	3	#	5	#	6	999	78	990	29	997	111	988	561	995
2	162	983	142	970	143	989	314	976	304	988	235	998	102	999	153	999	136	998	244	975	213	992	285	969	2433	987
1	627	954	493	939	595	962	1325	920	1522	936	1079	956	700	982	876	973	625	974	653	928	675	949	877	921	10047	950
0	1839	841	1559	835	1901	852	1913	684	2314	674	1911	765	1939	863	1544	823	1645	862	1367	804	1530	815	1988	770	21450	798
-1	1719	509	1613	505	1857	501	1383	342	1142	276	1668	427	1907	532	1879	558	1856	568	1676	543	1486	511	1427	430	19613	474
-2	782	200	598	164	703	157	454	95	401	79	644	132	1015	207	1101	236	950	236	990	224	818	215	714	186	9170	177
-3	267	59	128	37	106	27	69	14	55	10	88	18	196	34	261	47	335	66	157	35	218	52	243	64	2123	39
-4	59	11	31	10	27	7	7	1	6	1	11	2	5	1	16	3	31	6	28	5	35	9	81	22	337	6
-5	-	-	12	3	11	2	-	-	-	-	-	-	1	*	-	-	5	1	-	-	9	2	32	8	70	1
-6	-	-	4	1	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	15	3	21	*
-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	1	*
MEAN	-0.5		-0.4		-0.5		-0.0		0.0		-0.3		-0.6		-0.6		-0.7		-0.5		-0.5		-0.3		-0.4	
S.D.	1.2		1.3		1.1		1.1		1.0		1.0		1.0		1.1		1.1		1.3		1.2		1.4		1.2	
TOTAL	5549		4724		5404		5597		5815		5649		5868		5835		5592		5247		5027		5842		66149	
MAX	5.8		10.9		6.4		6.2		5.4		3.8		3.3		3.2		4.2		7.3		5.9		9.0		10.9	
DATE	2001010301		1995020206		1997031008		1996042607		1996050102		1994060816		1995073008		1996082815		1998090304		1999100822		1996110920		1999122005		1995020206	
MIN	-4.4		-6.1		-5.9		-4.1		-3.9		-4.3		-4.8		-4.0		-4.6		-4.3		-5.8		-6.5		-6.5	
DATE	1995011612		2001021314		1998032820		1998040401		1999052207		1999062905		1997070515		1994082519		2000091120		2001101616		1997113023		1998122113		1998122113	

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

STATION: 46054

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (3/1995 - 12/2001) (42934 RECORDS, 62.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	#	-	-	-	-	-	-	-	8	#
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	#	11	998	2	#	-	-	-	-	18	999
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	999	117	995	26	999	-	-	-	-	162	999
17	-	-	-	-	-	-	-	4	#	2	#	1	#	78	993	210	961	40	991	24	#	-	-	359	996	
16	-	-	-	-	-	-	-	25	999	19	999	23	999	336	970	622	901	167	979	62	993	-	-	1254	987	
15	56	#	10	#	25	#	6	#	146	993	181	994	140	992	541	871	803	723	376	928	266	976	39	#	2589	958
14	149	980	32	996	149	994	64	999	336	961	491	940	512	945	828	711	892	494	776	812	506	903	271	991	5006	898
13	231	927	78	984	286	955	151	985	551	885	628	793	1156	775	1118	467	709	239	883	574	647	764	396	929	6834	781
12	351	845	148	953	541	882	405	953	639	761	861	606	967	390	458	137	119	37	535	303	576	585	617	838	6217	622
11	499	720	326	895	660	743	824	868	1068	618	759	349	198	68	5	1	9	3	229	139	552	427	672	696	5801	477
10	417	542	502	768	735	573	1074	694	999	377	386	122	7	2	-	-	-	-	108	68	341	274	604	542	5173	342
9	269	394	482	572	514	384	861	468	490	153	20	7	-	-	-	-	-	-	52	35	198	180	440	403	3326	222
8	204	298	339	384	373	252	576	287	158	43	4	1	-	-	-	-	-	-	28	19	171	126	280	302	2133	144
7	181	225	285	251	256	156	341	165	21	7	-	-	-	-	-	-	-	-	15	10	104	79	253	237	1456	94
6	150	161	172	140	162	90	236	94	7	2	-	-	-	-	-	-	-	-	10	6	71	50	209	179	1017	61
5	100	108	72	73	122	49	126	44	4	1	-	-	-	-	-	-	-	-	6	3	43	31	156	131	629	37
4	68	72	31	45	49	17	53	17	-	-	-	-	-	-	-	-	-	-	-	-	44	19	113	95	358	22
3	43	48	24	33	17	5	15	6	-	-	-	-	-	-	-	-	-	-	2	1	17	7	79	69	197	14
2	25	32	27	23	1	*	8	3	-	-	-	-	-	-	-	-	-	-	1	*	3	2	71	51	136	9
1	23	23	16	13	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	3	1	57	35	101	6
0	12	15	4	7	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	22	52	4
-1	17	11	3	5	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	*	37	14	59	3
-2	8	5	3	4	-	-	2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	5	34	1
-3	4	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	8	*
-4	1	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*
-5	1	*	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	9.5		8.8		9.9		9.4		11.1		12.1		12.8		13.8		14.6		13.1		11.5		9.4		11.3	
S.D.	3.2		2.5		2.3		2.1		1.7		1.4		1.0		1.3		1.4		1.8		2.6		3.4		2.9	
TOTAL	2809		2561		3890		4746		4448		3351		3004		3388		3500		3256		3629		4352		42934	
MAX	15.3		15.1		14.9		15.3		17.2		16.9		16.5		19.3		20.1		18.9		17.0		15.3		20.1	
DATE	1998011600		1998021419		1998032420		1998042121		1997053119		2001062220		1996072723		1997081923		1997092915		1997100110		2001111220		1997123120		1997092915	
MIN	-4.6		-5.1		-2.2		-2.4		4.9		8.2		10.1		11.1		10.6		2.4		-1.4		-3.2		-5.1	
DATE	1997010621		2001020815		1998032921		1997040219		2000051115		1995062508		2000070315		2001081713		2001092804		1996102108		1996110920		1998122304		2001020815	

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

STATION: 46054

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

ELEMENT: AIR - DEW POINT TEMPERATURE (DEGREES C) -- POR: (3/1995 - 12/2001) (42894 RECORDS, 62.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
24	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	999
22	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
21	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
20	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
19	-	-	3	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	4	999	
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	3	999	
17	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	3	999
16	3	998	2	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	8	999	15	999
15	2	997	6	998	-	-	2	999	-	-	-	-	-	-	-	-	-	-	2	#	-	-	14	997	26	999	
14	12	996	2	996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	3	999	24	994	42	999	
13	8	992	4	995	-	-	2	999	-	-	-	-	-	-	-	-	-	-	3	999	2	998	40	988	59	998	
12	20	989	7	993	-	-	1	999	-	-	-	-	-	-	-	-	-	-	2	998	11	998	43	979	84	996	
11	29	982	9	991	1	#	1	999	1	#	-	-	-	-	-	-	-	-	3	998	9	995	74	969	127	994	
10	22	971	17	987	3	999	4	999	1	999	-	-	-	-	-	-	-	-	4	997	16	992	87	952	154	991	
9	40	964	21	980	17	999	8	998	-	-	-	-	-	-	-	-	-	-	5	995	38	988	130	932	259	988	
8	93	949	39	972	32	995	12	996	3	999	-	-	-	-	-	-	-	-	19	994	55	977	179	902	432	982	
7	118	916	89	957	82	986	47	993	8	999	-	-	-	-	-	-	1	#	29	988	89	962	257	861	720	972	
6	170	874	161	922	152	965	147	984	21	997	3	#	7	#	1	#	4	999	77	979	142	938	324	802	1209	955	
5	265	814	346	859	252	926	375	953	63	992	8	999	4	998	12	999	37	999	128	955	285	898	407	728	2182	927	
4	337	719	465	724	502	861	557	873	236	978	21	997	47	996	38	996	132	988	283	916	439	820	491	634	3548	876	
3	428	599	527	543	788	732	945	756	684	925	347	990	318	981	131	985	477	950	554	829	639	699	577	521	6415	793	
2	621	447	504	337	1040	529	1346	556	1417	771	1218	887	711	875	816	946	1072	814	835	659	790	522	742	388	11112	644	
1	414	226	247	140	732	261	838	272	1332	453	1276	523	1251	638	1387	705	1056	507	720	402	611	304	661	218	10525	385	
0	219	78	112	44	283	73	452	96	678	153	472	141	666	222	1001	296	718	205	590	181	490	136	285	66	5966	139	
-1	-	-	-	-	-	-	1	*	2	*	-	-	-	-	-	-	-	-	-	-	1	*	-	-	-	4	*
MEAN		3.4		3.5		2.6		2.5		1.7		1.4		1.3		1.1		1.5		2.1		2.7		4.0		2.3	
S.D.		2.8		2.2		1.7		1.6		1.2		0.8		0.9		0.8		1.1		1.7		2.2		3.1		2.1	
TOTAL		2807		2561		3884		4739		4446		3345		3004		3386		3497		3255		3623		4347		42894	
MAX		23.6		18.6		10.6		15.9		10.5		6.4		6.4		5.9		6.5		15.4		22.6		18.6		23.6	
DATE	2001010319		2001020420		1997031406		1997040219		2001050406		2001060703		2000071221		1997080602		1997092818		2000102323		1996110920		2000121808		2001010319		
MIN		0.0		0.0		0.0		-0.6		-0.7		-0.3		0.0		0.0		0.0		0.0		-0.7		-0.2		-0.7	
DATE	1999012106		1999021905		1996032815		1995040422		1995051306		1995060122		1996073120		1998083116		1998091316		2001103115		1995112519		1995121319		1995112519		

STATION: 46054

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (1/1994 - 12/2001) (66246 RECORDS, 96.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
1032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
1031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	#	7	#	
1030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	999	23	999	
1029	-	-	7	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	995	52	999	
1028	15	#	7	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	64	987	89	999	
1027	30	997	32	997	-	-	4	#	-	-	-	-	-	-	-	-	-	-	-	-	12	999	85	976	163	997	
1026	37	992	52	990	4	#	8	999	-	-	-	-	-	-	-	-	-	-	-	-	11	997	102	962	214	995	
1025	136	985	64	979	10	999	14	998	-	-	-	-	-	-	-	-	-	-	-	-	59	995	158	944	441	992	
1024	275	961	130	966	67	997	32	995	-	-	-	-	-	-	-	-	-	-	4	#	85	983	318	917	911	985	
1023	372	911	180	938	111	985	31	990	-	-	-	-	-	-	-	-	-	-	19	999	139	966	285	863	1137	971	
1022	400	844	291	900	109	965	61	984	-	-	3	#	-	-	-	-	-	-	9	996	234	939	422	814	1529	954	
1021	500	772	465	839	169	944	179	973	3	#	6	999	-	-	-	-	-	-	34	994	314	892	465	742	2135	931	
1020	649	682	506	740	343	913	266	941	62	999	11	998	2	#	-	-	1	#	105	987	445	830	531	662	2921	899	
1019	711	566	522	633	495	850	431	894	115	989	47	996	46	999	5	#	7	999	157	967	556	741	631	571	3723	855	
1018	601	438	511	523	538	758	664	817	257	969	109	988	157	992	41	999	32	999	317	938	592	631	596	463	4415	799	
1017	521	330	400	415	606	659	859	699	535	925	235	969	412	965	173	992	113	993	398	877	616	513	593	361	5461	732	
1016	380	236	344	330	739	547	826	545	887	833	588	927	718	895	468	963	247	973	539	801	640	391	495	260	6871	649	
1015	270	168	187	257	578	410	655	398	1067	681	723	823	851	773	636	882	438	929	591	699	413	264	348	175	6757	546	
1014	168	119	158	218	444	304	604	281	880	498	894	695	863	629	856	774	676	850	630	586	280	182	211	116	6664	444	
1013	130	89	214	184	420	222	433	173	866	347	1120	537	1136	482	1202	627	951	730	741	466	243	126	140	80	7596	343	
1012	93	65	133	139	253	144	224	96	558	198	758	339	643	289	846	421	815	560	562	325	121	78	69	56	5075	228	
1011	82	49	102	111	154	97	126	56	315	102	519	205	516	180	629	277	647	415	477	218	76	54	40	44	3683	152	
1010	52	34	83	89	120	69	65	34	176	48	330	113	357	92	463	169	655	299	309	128	94	39	49	37	2753	96	
1009	46	25	57	72	80	47	69	22	66	18	173	55	147	31	248	90	433	182	181	69	50	20	59	29	1609	55	
1008	26	16	54	60	60	32	22	10	13	7	67	24	34	6	90	47	230	105	66	34	12	10	43	18	717	30	
1007	16	12	50	48	48	21	14	6	10	4	33	12	3	1	133	32	152	64	60	22	10	8	11	11	540	20	
1006	7	9	56	38	26	12	8	3	14	3	14	6	-	-	37	9	117	37	29	10	11	6	15	9	334	11	
1005	14	8	36	26	7	7	5	2	1	*	13	4	-	-													

1000	-	-	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1	11	1			
999	-	-	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	4	*			
998	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*			
997	-	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*			
996	-	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*			
995	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*			
994	-	-	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*			
993	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*			
992	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*			
991	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*			
990	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*			
MEAN	1018.6		1017.4		1016.0		1016.0		1014.3		1013.3		1013.6		1012.7		1011.8		1013.8		1017.3		1018.8		1015.3
S.D.	3.8		4.9		3.6		2.9		2.3		2.4		2.2		2.4		2.7		3.1		3.5		4.3		4.0
TOTAL	5559		4727		5412		5606		5826		5652		5885		5844		5603		5253		5035		5844		66246
MAX	1028.3		1029.4		1025.8		1027.2		1020.6		1021.9		1019.6		1018.8		1019.5		1023.6		1028.2		1031.3		1031.3
DATE	2000010407		1994021219		1997031818		1999040919		1995050919		1998061319		1994071919		2001080219		1994090518		1996102119		1994112718		1997121209		1997121209
MIN	1000.6		990.4		1000.7		1003.7		1004.0		1002.3		1007.1		1004.2		1002.4		1003.3		1001.1		999.3		990.4
DATE	1995010501		1998020312		2000030513		1998041117		1998051308		1997060703		1997070403		1995081003		1998090305		1994101511		1998112813		1997120612		1998020312

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

STATION: 46054

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (1/1994 - 12/2001) (66333 RECORDS, 96.6% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
40	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
39	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
38	-	-	3	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	5	999
37	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	4	999	
36	-	-	4	999	2	999	4	999	1	#	-	-	-	-	-	-	-	-	3	999	-	-	-	-	14	999	
35	2	#	5	998	6	999	4	999	2	999	3	#	-	-	2	#	-	-	4	999	2	#	-	-	30	999	
34	1	999	8	997	7	998	12	998	12	999	3	999	5	#	-	-	1	#	5	998	3	999	7	999	64	999	
33	7	999	10	995	17	997	30	996	25	997	18	999	8	999	9	999	-	-	15	998	2	999	5	998	146	998	
32	5	998	15	993	25	994	48	991	39	993	29	996	8	998	12	998	7	999	12	995	10	999	13	998	223	996	
31	7	997	26	990	44	989	73	982	64	986	68	991	30	996	34	996	26	999	22	992	14	997	17	995	425	993	
30	19	996	23	985	65	981	102	969	112	975	112	979	73	991	43	990	37	994	28	988	19	994	28	992	661	986	
29	31	993	26	980	77	969	144	951	136	956	154	959	84	979	76	983	60	987	52	983	47	990	47	988	934	976	
28	43	987	31	974	127	955	156	925	180	933	190	932	157	965	169	970	94	977	81	973	72	981	79	980	1379	962	
27	47	979	48	968	142	931	216	898	212	902	226	898	186	938	243	941	138	960	105	958	88	966	98	966	1749	941	
26	89	971	88	957	202	905	274	859	319	866	332	858	289	906	374	899	182	935	157	938	121	949	146	949	2573	915	
25	98	955	92	939	153	868	250	810	278	811	279	799	266	857	349	835	176	903	140	908	131	925	167	924	2379	876	
24	137	938	129	919	186	839	273	766	281	763	314	750	307	812	361	775	212	872	182	881	136	899	194	896	2712	840	
23	139	913	144	892	239	805	272	717	275	715	251	695	306	760	318	713	230	834	196	847	160	872	194	863	2724	799	
22	167	888	178	862	193	761	291	669	274	667	251	650	331	708	352	659	253	793	174	810	175	840	202	830	2841	758	
21	185	859	194	824	199	725	288	617	280	620	215	606	318	652	286	599	255	748	187	777	182	805	214	795	2803	716	
20	201	826	197	783	234	689	258	565	231	572	195	568	283	598	298	550	245	702	200	741	153	769	213	759	2708	673	
19	255	790	221	741	229	645	281	519	249	533	220	533	333	550	309	499	309	659	219	703	237	739	234	722	3096	633	
18	254	744	191	694	194	603	203	469	215	490	187	494	265	494	235	446	236	604	180	662	207	692	203	682	2570	586	
17	247	699	188	654	204	567	172	433	188	453	169	461	202	449	232	405	244	562	162	628	198	651	214	647	2420	547	
16	234	655	168	614	192	530	169	402	188	421	188	432	208	414	222	366	255	518	168	597	210	611	205	611	2407	511	
15	214	613	174	578	201	494	155	372	180	388	192	398	224	379	228	328	266	473	158	565	164	570	191	576	2347	474	
14	183	575	211	542	195	457	148	345	141	357	195	364	182	341	181	288	241	425	183	535	190	537	210	543	2260	439	
13	209	542	157	497	171	421	170	318	157	333	200	330	171	310	190	257	207	382	191	501	166	500	210	507	2199	405	
12	224	505	222	464	243	389	193	288	171	306	220	295	205	281	201	225	247	345	267	464	216	467	231	471	2640	372	
11	219	465	165	417	203	344	145	254	179	277	141	256	145	246	153	190	193	301	192	414	190	424	233	432	2158	332	
10	260	426	181	382	232	307	163	228	149	246	165	231	138	222	166	164	170	267	216	377	200	386	192	392	2232	299	
9	253	380	173	343	204	264	146	199	161	221	170	202	146	198	146	136	190	237	193	336	184	346	208	359	2174	266	
8	209	334	159	307	189	226	155	173	164	193	146	171	163	173	127	111	185	203	218	300	197	310	237	324	2149	233	
7	270	297	206	273	155	192	128	145	167	165	140	146	153	146	113	89	178	170	214	258	217	271	245	283	2186	201	
6	285	249	210	230	177	163	140	122	174	136	147	121	159	120	90	70	191	138	202	218	193	228	296	241	2264	168	
5	292	198	268	185	216	130	156	97	202	106	144	95	135	93	90	54	179	104	264	180	248	189	303	191	2497	133	
4	241	146	186	128	138	90	125	70	151	71	133	69	116	70	64	39	138	72	217	130	209	140	243	139	1961	96	
3	231	103	164	89	141	65	103	47	94	46	108	46	118	50	67	28	107	48	165	88	204	98	235	98	1737	66	
2	197	62	135	54	117	39	93	29	77	29	76	27	90	30	47	16	81	29	162	57	137	58	159	57	1371	40	
1	92	27	76	26	56	17	48	12	52	16	53	13	51	15	29	8	52	14	81	26	111	31	106	30	807	19	
0	57	10	45	10	37	7	21	4	42	7	23	4	37	6	19	3	28	5	58	11	44	9	71	12	482	7	
MEAN	12.8		13.7		15.6		17.7		17.4		17.6		17.2		18.3		15.7		14.1		13.7		13.7		15.7		
S.D.	7.3		7.7		8.0		8.1		8.2		8.1		7.6		7.0		7.3		8.0		7.8		7.9		8.0		
TOTAL	5604		4723		5414		5610		5822		5657		5892		5835												

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: (1/1994 - 12/2001) (66063 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	
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
50	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
48	1	#	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
47	-	-	2	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
46	1	999	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	1	#	4	999
45	-	-	2	999	2	#	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	6	999	
44	-	-	2	998	2	999	1	999	-	-	1	#	-	-	-	-	-	-	-	-	1	#	-	-	-	7	999
43	2	999	6	998	3	999	4	999	3	#	-	-	1	#	-	-	-	-	4	999	1	999	-	-	-	24	999
42	2	999	6	997	6	999	6	999	5	999	1	999	-	-	2	#	-	-	7	999	2	999	-	-	-	37	999
41	3	999	4	995	5	998	12	998	7	999	4	999	4	999	3	999	-	-	6	998	1	999	3	999	52	999	
40	4	998	10	994	10	997	26	996	18	997	11	999	7	999	6	999	2	#	10	997	2	999	11	999	117	998	
39	8	998	8	992	13	995	33	991	25	994	25	997	8	998	6	998	5	999	10	995	6	999	8	997	155	996	
38	2	996	17	991	23	992	49	985	41	990	38	993	23	997	14	997	11	999	12	993	11	997	10	996	251	994	
37	12	996	22	987	40	988	65	976	55	983	54	986	33	993	18	995	21	997	14	990	8	995	20	994	362	990	
36	24	994	19	982	64	981	82	965	94	974	97	976	55	987	38	992	33	993	37	988	23	994	33	991	599	985	
35	19	989	17	978	61	969	97	950	111	957	106	959	83	978	73	985	47	987	35	981	24	989	37	985	710	975	
34	25	986	27	975	94	958	138	933	131	938	135	940	96	963	84	973	65	979	64	974	58	984	49	979	966	965	
33	41	981	41	969	135	940	188	908	184	916	229	916	172	947	201	958	108	967	95	962	67	973	89	970	1550	950	
32	54	974	42	960	106	915	140	874	206	884	196	876	145	918	212	924	104	948	68	944	72	959	77	955	1422	927	
31	60	964	67	951	154	896	187	849	188	849	214	841	171	893	234	887	122	929	120	931	81	945	113	942	1711	905	
30	77	953	90	937	118	867	210	816	222	816	234	803	219	864	268	847	136	907	117	908	94	929	135	923	1920	879	
29	93	939	81	918	136	845	210	778	246	778	224	762	213	826	278	801	159	883	123	885	122	910	144	899	2029	850	
28	106	923	130	901	164	820	217	741	232	736	231	722	253	790	299	753	165	855	150	862	135	886	155	875	2237	819	
27	154	903	128	873	190	790	239	702	203	696	221	681	243	747	245	702	211	825	141	833	130	859	170	848	2275	786	
26	157	876	168	846	207	754	273	659	232	661	232	642	350	705	331	660	223	787	169	806	173	833	223	819	2778	751	
25	154	847	154	811	179	716	239	611	203	614	192	601	245	646	256	603	213	748	149	774	135	799	167	781	2286	709	
24	185	819	187	778	170	683	212	568	224	579	163	567	220	604	239	559	204	710	165	746	180	772	162	752	2311	674	
23	172	786	162	738	165	652	197	530	174	541	131	538	224	566	241	518	227	673	173	714	140	736	176	724	2182	639	
22	199	755	148	704	163	621	195	495	167	511	146	515	250	528	193	476	202	632	133	681	172	708	173	694	2141	606	
21	216	719	164	672	162	591	173	460	173	482	156	489	208	485	206	443	199	596	166	656	157	674	189	664	2169	574	
20	210	680	142	638	172	561	146	429	170	452	137	461	163	450	202	408	197	561	134	624	187	643	150	632	2010	541	
19	223	642	181	607	200	529	174	403	190	423	193	437	218	422	229	373	259	526	174	598	196	606	230	606	2467	511	
18	167	601	161	569	174	492	128	372	142	390	146	403	173	385	192	334	209	479	120	565	152	567	174	567	1938	473	
17	193	571	162	535	173	460	149	349	135	366	168	377	179	355	156	301	230	442	146	542	144	536	160	537	1995	444	
16	165	536	166	501	145	428	117	322	118	343	201	347	142	325	151	274	196	401	166	514	152	508	175	510	1894	414	
15	142	506	137	465	160	401	142	302	139	322	135	311	154	301	159	248	156	366	177	483	146	478	198	480	1845	385	
14	177	481	143	436	176	371	143	276	126	298	162	288	137	274	147	221	192	338	182	449	164	448	173	446	1922	357	
13	199	449	162	406	206	339	133	251	149	277	137	259	134	251	137	195	176	304	200	414	158	416	182	416	1973	328	
12	254	413	185	372	229	300	163	227	168	251	176	235	160	228	184	172	180	272	205	376	223	384	205	385	2332	298	
11	210	367	127	332	195	258	143	198	145	222	145	203	124	201	136	140	173	240	192	337	176	340	184	350	1950	263	
10	190	329	179	305	161	222	119	172	149	197	132	178	147	180	131	117	189	209	210	300	171	305	219	318	1997	234	
9	238	294	183	267	152	192	136	151	151	172	134	154	134	154	95	94	164	175	205	260	187	271	234	281	2013	203	
8	241	251	177	229	154	164	122	127	141	146	130	131	143	132	104	78	168	146	197	221	179	234	240	241	1996	173	
7	260	208	215	191	169	136	153	105	171	121	135	108	142	107	81	60	158	116	184	183	169	198	237	199	2074	143	
6	199	161	189	145	151	104	118	78	148	92	133	84	117	83	75	46	139	88	212	148	213	165	218	159	1912	111	
5	258	125	197	105	154	76	124	56	157	67	122	60	123	63	55	33	136	63	200	107	211	122	272	121	2009	82	
4	192	78	121	63	104	48	91	34	82	40	86	38	105	42	63	24	94	38	171	69	166	80	195	75	1470	52	
3	132	43	90	38	81	29	57	18	80	25	68	23	64	24	36	13	59	22	97	36	117	47	114	41	995	30	
2	75	19	59	19	47	14	35	8	38	12	38	11	47	13	28	7	35	11	51	18	89	24	85	22	627	15	
1	28	6	24	6	23	5	8	2	19	5	18	4	23	5	9	2	22	5	25	8	21	6	28	7	248	5	
0	4	1	5	1	3	1	1	*	11	2	7	1	7	1	3	1	5	1	18	3	10	2	14	2	88	1	
MEAN	15.8		16.8		18.9		21.3		20.8		21.0		20.5		21.7		18.7		17.1		16.6		16.8		18.9		
S.D.	8.6		9.0		9.4		9.5		9.7		9.6		9.0		8.3		8.6		9.3		9.0		9.2		9.3		
TOTAL	5528		4713		5401		5597		5813		5644		5859		5820		5594		5235		5026		5833		66063		
MAX	47.6		50.3		44.9		47.4		43.2		43.7		42.6		42.4		39.7		45.9		44.1		45.5		50.3		
DATE	1995010416	1998020308	2000032004	1999040404	1999051322	1999061405	2000072009	1996080201	1995091408	1996102606	1996112902	1996121810	1998020308														
MIN	0.0		0.0		0.0		0.4		0.0		0.0		0.0		0.2		0.0		0.0		0.0		0.0		0.0		
DATE	2000012813	2000022617	2001031820	1998040506	2001052610	2001061817	2001072522	200																			



4.0	257	947	323	910	311	977	190	985	62	993	29	998	-	-	-	-	12	999	132	982	187	971	381	945	1884	976
3.5	433	900	505	840	512	918	394	949	146	982	85	992	12	#	2	#	63	998	240	956	352	933	693	879	3437	948
3.0	812	821	673	731	877	823	662	874	393	957	479	977	73	998	32	999	201	986	427	910	641	862	928	760	6198	895
2.5	1109	673	860	586	1208	659	961	749	1079	889	1147	892	451	985	386	994	475	949	641	827	996	734	1107	600	10420	799
2.0	1276	471	990	401	1189	433	1478	567	1731	702	1579	687	1556	908	1858	927	1311	862	1290	703	1417	534	1204	409	16879	639
1.5	944	239	625	188	750	210	1127	287	1752	402	1523	406	2384	640	2573	602	2336	623	1634	453	870	250	854	201	17372	380
1.0	345	67	244	53	324	70	373	73	564	98	724	135	1299	230	851	152	1042	195	695	137	361	75	309	54	7131	113
0.5	22	4	1	*	46	9	15	3	2	*	30	6	33	6	16	3	23	5	11	2	12	3	3	1	214	4
0.0	-	-	1	*	4	1	-	-	-	-	1	*	4	1	2	*	2	*	-	-	2	*	1	*	17	*
MEAN	2.5		2.7		2.5		2.3		2.0		1.9		1.6		1.7		1.7		2.0		2.3		2.6		2.1	
S.D.	1.0		1.1		0.8		0.8		0.7		0.6		0.5		0.4		0.5		0.8		0.9		1.0		0.9	
TOTAL	5488		4641		5346		5279		5771		5611		5812		5720		5466		5165		4985		5799		65083	
MAX	7.3		7.1		5.1		5.8		5.5		4.7		3.5		3.4		4.3		6.6		7.0		7.6		7.6	
DATE	2001011203	1999021710	2000030616	1999040405	2001050219	1995060706	1998070206	1999083110	1995092610	1999102901	2001112207	1995121322	1995121322													
MIN	0.5		0.0		0.0		0.7		0.7		0.0		0.0		0.0		0.0		0.7		0.0		0.0		0.0	
DATE	2000011817	2000021401	2000032418	1999041722	1997052005	1999060304	2000072703	2001080209	2000091902	2001100619	2000111604	1998121414	2001080209													

STATION: 46054

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (1/1994 - 12/2001) (65083 RECORDS, 94.8% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN					
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#		
17	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	-	4	#			
16	7	999	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999	5	#	17	999				
15	19	998	6	999	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	6	999	15	999	47	999				
14	55	995	28	998	7	#	-	-	-	-	-	-	-	-	-	8	999	4	#	13	998	49	997	164	999					
13	115	985	131	992	25	999	4	#	-	-	-	-	-	-	-	5	998	14	999	57	995	132	988	483	996					
12	233	964	189	964	106	994	20	999	1	#	-	-	-	-	-	12	997	47	997	144	984	295	965	1047	989					
11	496	921	451	924	288	974	55	995	12	999	-	-	-	-	-	32	995	124	987	266	955	626	914	2350	973					
10	799	831	778	826	620	920	133	985	98	998	8	#	-	-	1	#	108	989	300	963	531	901	837	807	4213	937				
9	1152	685	890	659	1059	804	554	960	394	981	170	999	62	#	63	999	446	970	777	905	869	795	1243	662	7679	872				
8	1209	476	1003	467	1201	606	1255	855	1057	912	762	968	466	989	318	989	979	888	1041	755	1343	620	1088	448	11722	754				
7	921	255	704	251	1215	382	1399	617	1530	729	1777	832	1270	909	1009	933	1274	709	1270	553	1101	351	807	260	14277	574				
6	410	87	401	99	681	154	1389	352	2026	464	2033	516	2135	691	2330	757	1577	476	1116	307	529	130	548	121	15175	355				
5	69	13	58	13	134	27	466	89	648	113	855	153	1790	323	1919	349	1003	187	461	91	118	24	153	27	7674	121				
4	1	*	-	-	7	2	4	1	5	1	5	1	85	15	78	14	19	4	11	2	-	-	-	-	215	4				
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*			
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*			
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*			
0	-	-	1	*	3	1	-	-	-	-	1	*	4	1	2	*	2	*	-	-	2	*	1	*	16	*				
MEAN	8.7		8.8		8.1		7.1		6.7		6.5		6.0		5.9		6.7		7.4		8.2		8.8		7.4					
S.D.	1.8		1.8		1.6		1.3		1.2		1.0		1.0		0.9		1.4		1.6		1.7		1.9		1.8					
TOTAL	5488		4641		5346		5279		5771		5611		5812		5720		5466		5165		4985		5799		65083					
MAX	17.1		15.5		14.3		13.1		11.6		9.9		9.4		9.5		14.9		14.4		16.6		15.8		17.1					
DATE	2001011914	1999021710	1999032119	1996041517	1998050103	1995061516	1996072611	1997080922	1997092513	1999102900	1999111919	1999122714	2001011914																	
MIN	4.4		0.0		0.0		4.2		4.3		0.0		0.0		0.0		0.0		4.1		0.0		0.0		0.0					
DATE	1997012517	2000021401	2000032418	1995040100	1995050223	1999060304	2000072703	2001080209	2000091902	1999100702	2000111604	1998121414	2001080209																	

STATION: 46054

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (1/1994 - 12/2001) (65083 RECORDS, 94.8% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN				
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
25	17	#	10	#	30	#	1	#	1	#	-	-	1	#	-	-	2	#	4	#	10	#	22	#	98	#			
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998		
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998		
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998		
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	998		
20	286	997	269	998	310	994	34	999	76	999	69	#	40	999	31	#	83	999	132	999	162	998	300	996	1792	998			
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	971		
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	971		
17	1055	945	921	940	869	936	285	993	388	987	349	988	311	993	303	995	527	984	476	974	743	965	1018	944	7245	971			
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	860		
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	860		
14	1754	753	1572	741	1418	774	887	939	556	919	281	926	220	939	190	942	609	888	808	882	1185	816	1767	769	11247	860			
13	1221	433	986	403	1261	509	1206	771	599	823	242	875	120	902	96	908	609	777	992	725	1144	579	1448	464	9924	687			
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	534		
11	532	210	446	190	557	273	935	543	777	719	514	832	220	881	199	892	613	665	879	533	676	349	632	215	6980	534			
10	188	114	169	94	241	169	564	366	824	585	954	741	712	843	516	857	735	553											

9	114	79	71	58	185	123	369	259	613	442	1028	571	1173	721	851	767	546	419	424	248	232	137	78	73	5684	334	
8	187	58	86	42	272	89	504	189	845	336	1285	387	1547	519	1742	618	748	319	358	166	213	90	110	59	7897	246	
7	82	24	47	24	124	38	253	94	666	189	470	158	539	253	862	313	393	182	206	96	124	48	105	40	3871	125	
6	34	9	53	14	57	15	170	46	323	74	274	75	376	160	440	163	291	110	151	56	98	23	99	22	2366	66	
5	14	3	10	2	7	4	68	13	97	18	131	26	452	95	426	86	283	57	116	27	13	3	20	5	1637	29	
4	4	1	-	-	12	3	3	1	6	1	13	2	95	17	62	11	25	5	24	5	-	-	9	2	253	4	
3	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	2	*
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
0	-	-	1	*	3	1	-	-	-	-	1	*	4	1	2	*	2	*	-	-	2	*	1	*	16	*	
MEAN	13.7	13.9	13.3	11.3	11.3	11.3	10.4	9.8	9.0	8.7	10.6	11.6	12.8	13.6	11.5												
S.D.	2.9	2.9	3.3	2.8	2.8	2.8	3.2	2.9	2.9	2.9	3.5	3.2	3.1	3.0	3.6												
TOTAL	5488	4641	5346	5279	5771	5611	5812	5720	5466	5165	4985	5799	65083														
MAX	25.0	25.0	25.0	25.0	25.0	25.0	25.0	20.0	25.0	20.0	25.0	25.0	25.0	25.0	25.0												
DATE	2001011904	2000021416	2000032608	1998043023	1998050103	2000062903	1996072402	2000082300	1997092501	1997100421	2001110915	2001122714	2001122714														
MIN	4.0	0.0	0.0	4.3	4.2	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0														
DATE	1997012512	2000021401	2000032418	2001041616	2001052300	1999060304	2000072703	2001080209	2000091902	1999100701	2000111604	1998121414	2001080209														

ELEMENT SUMMARY FOR STATION: 46054  
(A) TOTAL STDMET RECORDS READ = 68669  
(B) TOTAL CWIND RECORDS READ = 284808  
(C) TOTAL RECORDS USED IN STATS = 353477

(D) ELEMENT RECORDS AVAILABLE	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(E) ELEMENT OUT OF RANGE	66331	66195	66149	42934	66246	66333	66063	45735	65083	65083	65083	0
	2338	2474	2520	25735	2423	2336	2606	239073	3586	3586	3586	68669

STATION: 46054 -- POR (1/1994 - 12/2001)

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

ELEMENT: AIR TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1994	MEAN	13.8	13.0	13.2	12.4	12.5	12.7	13.5	15.2	15.4	15.8	13.3	12.9	13.7
	MAXIMUM	16.8	15.5	18.1	15.6	17.1	15.9	15.6	20.7	18.7	23.0	17.8	15.8	23.0
	DAY-HR	19-00	01-00	14-05	12-04	31-17	09-15	16-23	16-03	16-18	09-07	01-00	20-23	OCT
	MINIMUM	10.3	9.7	9.9	10.4	10.3	10.6	10.9	12.2	12.2	12.8	9.0	10.1	9.0
	DAY-HR	25-01	19-00	24-22	26-11	04-16	22-14	02-14	03-11	07-11	20-14	19-16	08-12	NOV
	# OBS	727	640	716	711	730	712	676	726	711	728	707	736	8520
1995	MEAN	13.3	14.2	13.9	12.4	12.4	13.0	14.6	14.3	15.0	16.4	15.5	14.1	14.1
	MAXIMUM	16.3	24.8	17.0	15.7	16.2	16.8	17.6	16.8	19.9	20.9	17.9	16.9	24.8
	DAY-HR	31-23	02-06	29-22	01-00	02-00	26-22	31-23	09-02	06-19	03-06	24-06	06-19	FEB
	MINIMUM	9.8	11.4	10.1	8.7	9.9	10.6	12.7	11.6	12.1	13.6	12.5	10.8	8.7
	DAY-HR	16-12	15-16	23-15	16-11	06-06	09-12	29-12	13-14	01-14	28-09	20-14	23-01	APR
	# OBS	730	668	738	712	742	711	738	716	715	739	711	739	8659
1996	MEAN	13.8	13.2	12.5	13.0	13.1	12.8	13.4	13.9	15.3	14.9	14.3	13.9	13.8
	MAXIMUM	19.0	19.1	15.6	19.1	19.0	16.5	16.8	18.7	19.5	18.0	21.2	17.9	21.2
	DAY-HR	11-16	13-00	24-20	30-06	01-21	30-18	27-23	30-19	18-20	09-00	09-20	17-13	NOV
	MINIMUM	9.5	7.5	10.2	10.5	10.6	11.0	11.3	11.7	12.9	11.6	11.8	11.0	7.5
	DAY-HR	23-16	26-12	23-14	08-14	28-14	23-05	03-13	24-14	10-16	26-16	12-12	08-07	FEB
	# OBS	591	163	360	728	737	717	825	783	715	734	684	735	7772
1997	MEAN	13.0	12.6	12.4	11.7	13.6	14.2	14.7	17.1	17.9	18.0	15.7	14.7	14.3
	MAXIMUM	16.4	18.7	19.0	14.9	18.3	17.6	19.5	21.2	23.7	20.6	17.6	18.2	23.7
	DAY-HR	29-10	16-00	10-08	26-16	31-19	01-00	29-21	19-19	25-11	04-08	24-00	30-22	SEP
	MINIMUM	9.5	10.2	9.9	9.8	10.3	12.1	12.2	13.6	15.7	15.1	11.4	10.2	9.5
	DAY-HR	12-14	28-19	06-14	11-16	08-14	23-16	05-14	04-18	23-16	08-14	30-23	22-18	JAN
	# OBS	711	630	723	693	719	697	723	726	682	202	158	708	7372
1998	MEAN	14.2	13.4	13.2	12.0	13.0	14.5	15.8	16.2	16.4	15.3	13.6	11.8	14.2
	MAXIMUM	17.5	16.0	16.7	19.0	18.4	18.7	19.8	19.7	21.8	22.2	15.2	19.6	22.2
	DAY-HR	01-21	03-06	11-20	21-22	27-18	17-21	20-18	02-20	03-04	06-23	25-18	16-11	OCT
	MINIMUM	10.8	9.8	7.3	8.7	10.2	12.8	12.8	14.1	14.9	13.3	10.2	4.8	4.8
	DAY-HR	21-16	15-15	29-08	01-03	12-16	28-16	01-14	28-16	26-15	15-13	11-11	21-13	DEC
	# OBS	698	640	694	678	709	696	736	781	686	735	687	725	8465
1999	MEAN	12.6	11.7	10.9	10.9	11.4	11.9	14.2	13.4	14.3	14.3	14.0	13.3	12.7
	MAXIMUM	17.9	15.2	12.8	18.4	14.5	16.0	19.1	15.9	16.7	22.9	18.8	21.1	22.9
	DAY-HR	05-00	04-01	20-22	17-09	31-19	29-21	08-23	12-01	19-22	08-22	01-21	20-05	OCT
	MINIMUM	9.4	8.2	6.4	7.5	9.7	10.0	12.0	10.8	12.5	11.9	11.2	9.8	6.4
	DAY-HR	27-14	10-15	15-13	09-15	15-17	12-15	06-14	24-12	29-14	02-15	13-12	10-16	MAR
	# OBS	732	654	709	691	739	707	730	709	676	706	677	735	8465
2000	MEAN	12.7	12.8	12.1	12.2	12.3	13.9	13.9	14.2	16.0	14.7	13.2	13.7	13.5
	MAXIMUM	18.0	18.0	16.4	16.5	17.5	18.5	16.7	17.6	19.9	18.1	18.6	20.2	20.2

	DAY-HR	15-12	02-23	18-10	01-05	24-21	24-21	13-02	31-23	24-19	23-23	04-18	18-03	DEC
	MINIMUM	9.9	9.6	8.7	9.8	9.8	11.0	11.7	12.4	12.7	12.1	10.4	10.3	8.7
	DAY-HR	13-16	25-09	06-13	12-11	19-11	04-16	20-14	12-13	11-17	16-11	29-04	31-15	MAR
	# OBS	709	669	732	692	716	709	724	737	709	728	704	737	8566
2001	MEAN	12.3	11.7	12.2	11.0	13.4	14.2	14.3	13.8	15.0	14.8	14.5	12.5	13.3
	MAXIMUM	20.2	20.8	16.4	13.6	16.5	17.4	18.0	16.5	18.3	19.4	18.0	17.6	20.8
	DAY-HR	03-01	04-18	18-20	01-00	30-18	22-20	03-20	31-21	30-22	13-18	20-01	08-06	FEB
	MINIMUM	9.4	5.3	10.5	8.6	11.0	11.3	12.4	11.3	12.9	12.9	10.9	9.6	5.3
	DAY-HR	16-16	13-14	31-05	21-11	01-17	11-14	23-12	17-13	24-15	22-13	27-11	15-17	FEB
	# OBS	701	672	739	704	733	706	732	670	710	700	710	735	8512
POR	MEAN	13.2	12.8	12.6	12.0	12.7	13.4	14.3	14.8	15.7	15.3	14.1	13.4	13.7
	MAXIMUM	20.2	24.8	19.0	19.1	19.0	18.7	19.8	21.2	23.7	23.0	21.2	21.1	24.8
	YEAR	2001	1995	1997	1996	1996	1998	1998	1997	1997	1994	1996	1999	FEB/1995
	MINIMUM	9.4	5.3	6.4	7.5	9.7	10.0	10.9	10.8	12.1	11.6	9.0	4.8	4.8
	YEAR	2001	2001	1999	1999	1999	1999	1994	1999	1995	1996	1994	1998	DEC/1998
	# OBS	5599	4736	5411	5609	5825	5655	5884	5848	5604	5272	5038	5850	66331

STATION: 46054 -- POR (1/1994 - 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
1994	MEAN	14.3	13.6	13.7	12.0	12.5	13.0	14.5	16.5	15.8	16.1	14.4	13.4	14.2
	MAXIMUM	15.4	14.8	15.5	15.3	17.0	15.9	17.2	20.6	19.0	18.8	16.4	14.4	20.6
	DAY-HR	18-23	23-21	20-23	01-22	31-19	10-22	17-23	17-22	15-22	08-22	01-00	20-22	AUG
	MINIMUM	13.5	13.2	12.5	9.9	10.0	10.5	11.6	13.1	13.2	13.5	12.2	12.7	9.9
	DAY-HR	13-15	26-14	26-04	30-14	01-03	08-15	02-12	01-11	05-14	14-16	22-10	13-16	APR
	# OBS	725	637	713	705	728	708	673	721	710	729	707	733	8489
1995	MEAN	13.7	14.2	14.1	11.8	12.0	13.1	14.7	15.0	15.1	17.1	16.3	14.8	14.3
	MAXIMUM	14.7	16.4	15.8	15.0	15.8	16.6	18.1	17.3	19.0	19.6	18.4	17.0	19.6
	DAY-HR	18-23	21-00	30-22	30-06	01-21	29-23	06-22	22-03	06-22	02-22	01-20	01-00	OCT
	MINIMUM	12.9	13.6	12.5	9.6	10.0	11.0	12.3	12.0	12.5	15.2	14.6	12.9	9.6
	DAY-HR	02-12	07-16	29-14	21-16	13-12	12-16	29-19	12-06	01-02	26-11	27-18	25-19	APR
	# OBS	729	668	737	713	742	712	738	716	715	739	711	739	8659
1996	MEAN	13.9	13.7	13.4	12.4	12.6	13.0	14.0	14.5	16.6	15.6	14.0	13.8	14.0
	MAXIMUM	15.7	15.6	15.3	15.9	15.7	16.0	17.3	18.1	19.1	18.7	16.1	15.2	19.1
	DAY-HR	07-22	13-23	31-21	14-22	17-23	04-00	28-21	12-01	18-22	07-04	08-22	15-00	SEP
	MINIMUM	11.3	11.7	11.8	9.9	10.2	11.0	11.3	12.5	13.6	12.5	12.5	12.9	9.9
	DAY-HR	27-06	01-05	30-19	24-16	24-21	14-15	06-06	28-08	15-06	28-10	07-16	23-18	APR
	# OBS	575	160	359	728	730	717	825	783	716	734	684	735	7746
1997	MEAN	13.5	12.7	12.7	12.2	13.6	14.8	15.5	18.0	18.6	19.4	17.0	16.5	15.0
	MAXIMUM	14.5	14.5	15.2	14.2	17.2	17.5	19.0	20.3	21.9	21.2	18.1	17.6	21.9
	DAY-HR	29-23	16-23	27-01	15-23	31-23	04-23	27-23	17-22	29-21	06-03	24-01	04-22	SEP
	MINIMUM	12.5	10.5	10.3	9.7	11.3	10.6	12.1	14.6	14.9	17.3	16.4	15.6	9.7
	DAY-HR	15-19	21-18	01-12	25-10	02-17	07-06	18-07	02-06	12-07	08-18	28-17	25-15	APR
	# OBS	711	629	723	688	718	697	723	726	682	202	158	708	7365
1998	MEAN	15.6	14.8	14.3	12.7	12.7	13.9	16.2	17.2	17.4	15.3	13.9	12.5	14.7
	MAXIMUM	17.2	16.4	16.4	14.5	19.1	17.9	19.1	19.8	20.4	18.7	15.4	14.9	20.4
	DAY-HR	01-23	01-00	20-21	29-22	27-19	17-22	22-01	02-21	08-22	06-23	03-00	03-21	SEP
	MINIMUM	14.9	13.6	12.1	10.9	11.3	11.7	11.7	15.2	15.2	13.7	12.5	11.0	10.9
	DAY-HR	22-17	28-18	30-16	20-17	24-08	05-11	01-09	29-14	19-18	10-16	22-15	22-15	APR
	# OBS	698	640	694	677	709	696	736	781	686	735	687	724	8463
1999	MEAN	12.9	11.8	11.5	11.2	12.4	12.5	15.2	13.2	14.9	14.3	14.3	12.5	13.1
	MAXIMUM	14.4	13.6	12.5	13.6	14.8	16.8	18.8	15.9	16.5	16.5	16.4	14.1	18.8
	DAY-HR	05-00	03-22	25-00	24-01	24-21	29-22	16-19	14-22	07-23	10-23	02-01	27-02	JUL
	MINIMUM	11.8	10.5	10.5	9.8	9.8	9.8	11.7	11.3	13.4	12.2	12.6	11.7	9.8
	DAY-HR	31-17	28-08	30-23	05-06	05-16	22-10	30-02	21-16	15-09	08-14	22-09	11-10	JUN
	# OBS	731	655	709	693	740	706	729	709	676	706	677	735	8466
2000	MEAN	12.7	13.2	12.3	12.2	12.0	14.3	14.6	14.7	16.6	15.2	13.7	13.5	13.7
	MAXIMUM	13.7	14.2	13.7	14.7	14.9	18.1	17.5	17.6	19.5	18.3	16.0	15.0	19.5
	DAY-HR	20-00	05-22	23-22	03-21	24-22	25-00	23-23	03-22	24-19	02-22	04-00	03-23	SEP
	MINIMUM	12.1	12.2	10.9	10.3	9.7	9.8	11.3	12.1	13.3	12.6	11.8	12.2	9.7
	DAY-HR	29-16	01-13	30-09	29-08	12-07	10-13	28-22	22-03	05-08	22-16	27-04	25-13	MAY
	# OBS	709	669	732	692	716	709	723	738	703	724	696	733	8544
2001	MEAN	13.3	12.0	12.5	11.3	13.7	14.9	14.4	13.8	16.1	15.8	15.2	12.7	13.8
	MAXIMUM	14.9	14.2	14.5	13.9	16.7	17.2	18.0	18.3	19.8	18.3	16.7	13.7	19.8
	DAY-HR	02-22	04-22	22-20	01-00	28-00	15-18	07-23	31-23	03-23	13-21	12-20	03-02	SEP
	MINIMUM	11.8	11.0	11.0	9.7	11.0	11.7	12.0	11.3	13.7	14.1	12.6	10.9	9.7
	DAY-HR	31-16	09-06	30-04	25-07	05-09	11-05	18-05	26-17	29-09	24-06	27-16	16-07	APR

	# OBS	678	672	739	704	733	706	731	665	710	680	709	736	8463
POR	MEAN	13.7	13.2	13.0	12.0	12.7	13.7	14.9	15.4	16.4	15.8	14.6	13.7	14.1
	MAXIMUM	17.2	16.4	16.4	15.9	19.1	18.1	19.1	20.6	21.9	21.2	18.4	17.6	21.9
	YEAR	1998	1998	1998	1996	1998	2000	1998	1994	1997	1997	1995	1997	SEP/1997
	MINIMUM	11.3	10.5	10.3	9.6	9.7	9.8	11.3	11.3	12.5	12.2	11.8	10.9	9.6
	YEAR	1996	1999	1997	1995	2000	2000	2000	2001	1995	1999	2000	2001	APR/1995
	# OBS	5556	4730	5406	5600	5816	5651	5878	5839	5598	5249	5029	5843	66195

STATION: 46054 -- POR (3/1995 - 12/2001)

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1995	MEAN	-	-	11.5	10.1	11.0	11.4	-	-	-	12.5	12.8	10.3	11.3
	MAXIMUM	-	-	14.9	14.5	16.0	14.3	-	-	-	16.1	16.3	14.8	16.3
	DAY-HR	-	-	11-00	30-18	01-23	01-23	-	-	-	27-18	29-20	13-23	NOV
	MINIMUM	-	-	2.9	3.7	7.6	8.2	-	-	-	10.4	0.5	2.4	0.5
	DAY-HR	-	-	25-17	23-19	06-08	25-08	-	-	-	31-14	27-11	17-07	NOV
	# OBS	-	-	713	643	686	522	-	-	-	169	711	741	4185
1996	MEAN	-	-	9.9	10.5	11.2	11.3	12.8	13.1	13.9	12.5	11.5	10.9	11.9
	MAXIMUM	-	-	13.3	14.1	17.1	15.4	16.5	17.7	17.2	17.7	15.6	15.0	17.7
	DAY-HR	-	-	21-07	16-11	17-01	02-19	27-23	30-19	18-12	09-00	22-04	12-22	OCT
	MINIMUM	-	-	3.1	5.1	8.0	9.3	11.0	11.6	11.8	2.4	-1.4	0.5	-1.4
	DAY-HR	-	-	23-13	18-17	29-18	22-07	07-09	04-09	16-20	21-08	09-20	18-10	NOV
	# OBS	-	-	357	725	735	717	825	783	715	727	660	708	6952
1997	MEAN	10.0	8.9	9.6	9.4	11.8	12.3	13.0	15.2	16.0	14.5	11.7	8.0	11.6
	MAXIMUM	15.2	12.8	12.9	13.5	17.2	14.9	15.5	19.3	20.1	18.9	15.7	15.3	20.1
	DAY-HR	03-05	16-23	30-10	19-16	31-19	01-00	29-21	19-23	29-15	01-10	24-05	31-20	SEP
	MINIMUM	-4.6	-2.7	3.5	-2.4	7.0	10.0	11.1	12.8	13.0	8.5	7.6	-2.2	-4.6
	DAY-HR	06-21	25-18	04-15	02-19	01-12	13-16	11-04	10-16	19-16	08-16	30-22	24-20	JAN
	# OBS	694	595	681	686	719	697	723	726	681	202	158	708	7270
1998	MEAN	10.6	9.6	9.9	9.0	10.6	-	-	14.9	15.1	13.0	11.5	7.7	11.1
	MAXIMUM	15.3	15.1	14.9	15.3	14.7	-	-	17.2	18.3	16.1	14.9	13.3	18.3
	DAY-HR	16-00	14-19	24-20	21-21	03-21	-	-	15-18	05-16	20-23	08-06	03-21	SEP
	MINIMUM	1.2	4.5	2.2	3.7	6.6	-	-	13.0	11.6	5.9	5.3	-3.2	-3.2
	DAY-HR	05-20	15-20	29-21	15-17	13-02	-	-	20-12	27-20	06-17	10-12	23-04	DEC
	# OBS	698	640	692	678	603	-	-	472	686	731	687	724	6611
1999	MEAN	10.0	8.9	8.3	8.3	9.1	-	-	-	-	-	-	-	8.9
	MAXIMUM	14.0	12.9	11.8	12.7	11.1	-	-	-	-	-	-	-	14.0
	DAY-HR	20-19	09-15	03-22	16-21	03-22	-	-	-	-	-	-	-	JAN
	MINIMUM	-0.1	0.5	4.0	1.2	6.9	-	-	-	-	-	-	-	-0.1
	DAY-HR	29-12	11-07	04-18	09-15	02-13	-	-	-	-	-	-	-	JAN
	# OBS	727	654	708	690	256	-	-	-	-	-	-	-	3035
2000	MEAN	-	-	-	10.0	10.7	12.6	12.2	13.0	14.4	12.6	9.0	10.2	11.7
	MAXIMUM	-	-	-	13.4	15.8	15.7	15.0	15.6	18.1	15.6	13.5	13.8	18.1
	DAY-HR	-	-	-	13-22	24-21	24-21	23-18	03-21	14-19	10-04	04-00	08-09	SEP
	MINIMUM	-	-	-	6.0	4.9	8.3	10.1	11.6	10.6	2.7	1.0	-0.4	-0.4
	DAY-HR	-	-	-	28-19	11-15	05-15	03-15	22-13	06-12	23-23	04-12	27-02	DEC
	# OBS	-	-	-	620	716	709	724	737	706	727	703	735	6377
2001	MEAN	7.5	7.9	10.0	8.4	12.2	12.9	13.1	13.2	13.8	14.0	12.8	9.3	11.3
	MAXIMUM	13.3	12.7	14.1	12.5	15.8	16.9	16.4	15.5	17.2	18.4	17.0	13.5	18.4
	DAY-HR	11-02	22-09	18-20	01-00	30-18	22-20	03-20	27-12	04-10	13-18	12-20	03-00	OCT
	MINIMUM	-4.3	-5.1	4.7	1.3	5.3	9.6	10.6	11.1	10.6	11.4	2.3	-2.5	-5.1
	DAY-HR	03-19	08-15	09-16	08-17	04-06	03-19	11-14	17-13	28-04	22-13	27-07	16-05	FEB
	# OBS	690	672	739	704	733	706	732	670	712	700	710	736	8504
POR	MEAN	9.5	8.8	9.9	9.4	11.1	12.1	12.8	13.8	14.6	13.1	11.5	9.4	11.3
	MAXIMUM	15.3	15.1	14.9	15.3	17.2	16.9	16.5	19.3	20.1	18.9	17.0	15.3	20.1
	YEAR	1998	1998	1998	1998	1997	2001	1996	1997	1997	1997	2001	1997	SEP/1997
	MINIMUM	-4.6	-5.1	2.2	-2.4	4.9	8.2	10.1	11.1	10.6	2.4	-1.4	-3.2	-5.1
	YEAR	1997	2001	1998	1997	2000	1995	2000	2001	2001	1996	1996	1998	FEB/2001
	# OBS	2809	2561	3890	4746	4448	3351	3004	3388	3500	3256	3629	4352	42934

STATION: 46054 -- POR (1/1994 - 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
1994	MEAN	1020.2	1017.9	1017.3	1016.7	1015.3	1013.7	1014.9	1013.4	1014.5	1013.4	1018.8	1018.5	1016.2
	MAXIMUM	1026.7	1029.4	1024.5	1022.5	1020.3	1018.2	1019.6	1017.8	1019.5	1020.4	1028.2	1027.1	1029.4
	DAY-HR	29-19	12-19	13-20	29-19	19-06	16-19	19-19	01-19	05-18	27-17	27-18	08-19	FEB
	MINIMUM	1013.8	1000.5	1005.9	1012.1	1011.3	1009.4	1010.1	1009.3	1008.6	1003.3	1008.2	1011.1	1000.5
	DAY-HR	24-23	08-01	24-21	24-03	30-13	26-11	09-03	12-09	30-23	15-11	02-12	23-23	FEB
	# OBS	728	636	718	709	730	710	680	725	711	728	708	734	8517
1995	MEAN	1017.2	1017.8	1016.3	1016.3	1015.0	1013.9	1013.8	1010.5	1012.3	1013.4	1017.3	1018.4	1015.2
	MAXIMUM	1025.5	1023.6	1024.4	1021.4	1020.6	1019.5	1018.2	1017.1	1016.2	1021.7	1022.0	1025.4	1025.5
	DAY-HR	28-18	17-19	13-17	14-08	09-19	17-20	22-19	21-18	11-18	20-18	07-18	14-18	JAN
	MINIMUM	1000.6	1003.9	1002.4	1008.7	1008.0	1008.4	1008.1	1004.2	1007.3	1005.5	1011.0	1013.4	1000.6
	DAY-HR	05-01	14-13	11-03	16-10	13-13	26-02	30-03	10-03	15-13	04-12	10-01	01-00	JAN
	# OBS	730	668	737	712	742	710	738	716	715	739	711	739	8657
1996	MEAN	1018.9	1016.8	1015.5	1016.2	1014.1	1013.1	1012.8	1012.5	1012.0	1013.9	1016.8	1018.0	1014.8
	MAXIMUM	1027.7	1021.8	1019.2	1023.6	1018.7	1017.2	1018.8	1017.4	1017.2	1023.6	1023.5	1026.5	1027.7
	DAY-HR	23-18	29-18	17-18	19-06	10-17	02-22	22-20	19-18	28-17	21-19	27-18	23-19	JAN
	MINIMUM	1011.6	1003.9	1011.9	1008.4	1008.3	1008.3	1008.3	1007.7	1006.8	1007.1	1008.1	1003.2	1003.2
	DAY-HR	17-02	01-01	28-13	28-02	24-13	19-08	03-02	28-03	06-03	05-02	21-23	10-00	DEC
	# OBS	570	159	360	728	737	717	825	783	715	734	684	735	7747
1997	MEAN	1018.3	1017.6	1016.8	1014.9	1012.9	1011.7	1013.2	1013.4	1010.5	1011.1	1013.0	1017.0	1014.5
	MAXIMUM	1025.5	1023.9	1025.8	1020.3	1017.5	1017.1	1018.1	1017.9	1018.1	1014.9	1019.3	1031.3	1031.3
	DAY-HR	17-18	14-19	18-18	07-18	05-19	30-20	31-20	21-20	26-20	09-18	24-18	12-09	DEC
	MINIMUM	1003.6	1002.6	1009.4	1007.0	1009.0	1002.3	1007.1	1008.7	1003.3	1008.0	1002.5	999.3	999.3
	DAY-HR	13-12	28-02	11-12	04-01	29-12	07-03	04-03	31-06	25-11	07-02	26-13	06-12	DEC
	# OBS	711	630	723	692	719	697	723	726	682	202	158	708	7371
1998	MEAN	1016.6	1013.6	1014.5	1016.2	1015.5	1014.7	1013.1	1012.7	1010.2	1013.6	1016.7	1020.6	1014.8
	MAXIMUM	1024.3	1024.1	1021.1	1023.6	1020.5	1021.9	1017.4	1018.0	1017.0	1020.3	1023.4	1030.3	1030.3
	DAY-HR	14-19	10-18	09-19	08-19	29-17	13-19	07-20	13-17	23-17	22-20	13-17	10-18	DEC
	MINIMUM	1007.7	990.4	1005.5	1003.7	1004.0	1007.9	1008.0	1005.7	1002.4	1007.9	1001.1	1011.3	990.4
	DAY-HR	09-23	03-12	25-13	11-17	13-08	17-01	16-03	31-23	03-05	15-04	28-13	30-23	FEB
	# OBS	698	640	694	677	709	696	736	780	686	734	687	724	8461
1999	MEAN	1018.9	1020.3	1016.1	1015.7	1014.7	1013.1	1013.7	1012.8	1011.8	1014.9	1018.5	1020.6	1015.9
	MAXIMUM	1025.1	1028.9	1021.8	1027.2	1019.5	1019.0	1019.4	1018.2	1017.4	1021.1	1025.9	1028.7	1028.9
	DAY-HR	28-18	10-19	21-18	09-19	31-15	04-19	23-19	17-18	25-18	17-18	24-19	24-18	FEB
	MINIMUM	1008.6	1010.4	1005.9	1006.1	1010.0	1007.5	1008.0	1006.5	1007.8	1008.5	1011.8	1013.2	1005.9
	DAY-HR	25-11	04-23	15-14	23-00	13-04	21-03	03-03	26-02	16-03	15-05	26-23	19-13	MAR
	# OBS	732	654	709	692	740	707	729	708	676	706	677	735	8465
2000	MEAN	1020.1	1018.1	1015.8	1016.0	1013.5	1012.9	1014.0	1012.9	1011.6	1013.9	1017.1	1018.6	1015.4
	MAXIMUM	1028.3	1025.0	1025.0	1022.5	1019.5	1018.9	1019.5	1017.9	1018.1	1021.0	1026.0	1026.2	1028.3
	DAY-HR	04-07	01-19	10-20	03-19	11-19	03-19	13-19	25-18	27-19	24-19	18-18	15-09	JAN
	MINIMUM	1013.3	1003.2	1000.7	1009.2	1009.0	1005.4	1007.9	1007.7	1004.8	1005.4	1006.3	1013.1	1000.7
	DAY-HR	15-22	21-00	05-13	17-10	27-10	17-02	31-02	14-03	22-11	22-12	06-23	25-01	MAR
	# OBS	709	669	732	692	716	709	722	738	705	723	700	733	8548
2001	MEAN	1018.9	1016.4	1015.1	1016.2	1013.5	1013.0	1013.6	1013.0	1011.3	1014.5	1016.7	1019.0	1015.1
	MAXIMUM	1026.7	1026.1	1022.4	1024.1	1018.9	1020.5	1018.9	1018.8	1015.7	1022.3	1022.0	1026.6	1026.7
	DAY-HR	25-19	01-19	08-18	22-19	13-19	27-19	08-20	02-19	20-19	29-18	19-18	05-19	JAN
	MINIMUM	1007.0	997.3	1006.3	1010.4	1008.3	1007.0	1007.9	1006.3	1004.3	1006.7	1007.9	1006.7	997.3
	DAY-HR	11-02	13-13	06-02	03-07	02-13	04-12	03-03	26-03	30-03	01-01	24-22	10-22	FEB
	# OBS	681	671	739	704	733	706	732	668	713	687	710	736	8480
POR	MEAN	1018.6	1017.4	1016.0	1016.0	1014.3	1013.3	1013.6	1012.7	1011.8	1013.8	1017.3	1018.8	1015.3
	MAXIMUM	1028.3	1029.4	1025.8	1027.2	1020.6	1021.9	1019.6	1018.8	1019.5	1023.6	1028.2	1031.3	1031.3
	YEAR	2000	1994	1997	1999	1995	1998	1994	2001	1994	1996	1994	1997	DEC/1997
	MINIMUM	1000.6	990.4	1000.7	1003.7	1004.0	1002.3	1007.1	1004.2	1002.4	1003.3	1001.1	999.3	990.4
	YEAR	1995	1998	2000	1998	1998	1997	1997	1995	1998	1994	1998	1997	FEB/1998
	# OBS	5559	4727	5412	5606	5826	5652	5885	5844	5603	5253	5035	5844	66246

STATION: 46054 -- POR (1/1994 - 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
1994	MEAN	12.1	14.1	15.2	17.4	16.4	22.2	17.9	20.4	17.0	14.4	13.5	12.3	16.1
	MAXIMUM	35.2	38.3	31.5	31.7	30.5	32.5	31.9	33.4	31.9	34.0	32.7	34.4	38.3
	DAY-HR	06-00	04-05	22-17	19-05	03-10	03-05	03-00	29-06	02-23	15-11	16-23	26-05	FEB
	MINIMUM	0.0	0.2	0.2	0.4	0.0	0.6	0.0	0.0	0.6	0.6	0.0	0.4	0.0
	DAY-HR	13-20	14-19	19-02	02-15	31-17	11-08	16-16	17-12	22-08	29-15	30-18	23-16	NOV
	# OBS	729	641	724	712	733	715	688	727	711	729	710	736	8555

1995	MEAN	14.0	10.3	14.2	16.9	16.3	17.8	17.2	18.2	19.1	10.3	11.5	17.3	15.3
	MAXIMUM	34.6	30.7	36.0	33.2	29.4	33.6	33.6	29.7	32.1	29.0	33.8	31.7	36.0
	DAY-HR	04-16	18-05	10-20	09-01	12-18	05-08	29-11	31-23	13-13	17-00	27-14	24-19	MAR
	MINIMUM	0.4	0.0	0.0	0.2	0.6	0.2	0.0	0.0	0.2	0.2	0.0	0.4	0.0
	DAY-HR	28-20	27-21	31-19	05-13	30-18	26-22	31-18	16-17	06-18	24-13	29-15	10-17	NOV
	# OBS	729	668	738	712	742	711	736	710	713	737	710	738	8644
1996	MEAN	14.2	11.2	15.6	18.5	19.6	18.1	17.0	18.6	15.4	17.5	14.8	12.9	16.6
	MAXIMUM	32.5	23.1	32.9	35.6	32.7	33.4	31.5	34.8	29.4	37.5	35.4	37.1	37.5
	DAY-HR	22-17	23-04	23-06	10-21	23-01	18-04	05-07	02-01	12-00	26-06	29-04	18-10	OCT
	MINIMUM	0.0	0.2	0.2	0.2	0.2	0.0	0.4	0.0	1.4	0.0	0.0	0.2	0.0
	DAY-HR	07-19	16-22	17-11	30-17	02-20	07-15	10-22	11-20	24-13	17-18	01-00	24-17	NOV
	# OBS	566	153	356	727	737	717	825	783	715	734	684	735	7732
1997	MEAN	11.8	17.3	13.9	20.5	19.0	18.3	14.9	16.2	17.0	17.8	10.4	13.9	16.2
	MAXIMUM	32.5	35.4	33.4	33.2	31.1	31.1	30.3	29.5	27.4	35.6	26.8	33.6	35.6
	DAY-HR	06-01	27-16	31-23	09-10	28-02	05-13	07-00	06-05	10-09	07-04	30-14	06-06	OCT
	MINIMUM	0.0	0.0	0.0	1.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.2	0.0
	DAY-HR	21-06	07-16	25-22	26-16	19-08	15-08	29-23	17-19	30-15	05-20	29-15	29-16	NOV
	# OBS	708	630	723	692	718	697	722	725	682	201	158	707	7363
1998	MEAN	13.0	16.6	14.6	15.0	15.9	13.3	15.7	17.2	13.5	16.5	16.4	15.9	15.3
	MAXIMUM	28.0	39.9	29.7	31.9	25.9	27.8	31.1	31.1	32.1	30.9	32.1	33.8	39.9
	DAY-HR	09-21	06-12	16-02	25-07	24-14	30-23	02-10	18-02	10-02	10-04	06-04	06-14	FEB
	MINIMUM	0.0	0.0	0.0	0.0	0.8	0.4	0.0	0.4	0.0	0.2	0.2	0.0	0.0
	DAY-HR	28-20	11-12	10-15	05-06	27-16	17-20	16-15	02-19	14-15	27-16	17-12	19-03	DEC
	# OBS	696	638	694	677	706	696	736	774	686	733	683	724	8443
1999	MEAN	13.1	15.4	16.7	16.6	21.2	19.1	18.2	19.6	12.2	14.9	11.3	12.2	15.9
	MAXIMUM	29.7	33.2	36.7	38.1	35.6	35.4	29.7	32.1	29.2	28.4	29.5	34.4	38.1
	DAY-HR	01-03	22-22	27-00	04-04	14-00	14-05	07-02	04-04	01-06	29-01	22-02	02-02	APR
	MINIMUM	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	15-16	03-20	14-14	12-02	31-12	02-15	16-18	20-17	29-12	27-16	30-01	31-16	DEC
	# OBS	733	652	708	693	737	706	729	706	676	706	677	735	8458
2000	MEAN	13.5	11.4	17.2	18.4	19.2	15.3	21.2	17.7	15.0	12.0	15.1	11.2	15.6
	MAXIMUM	31.3	28.0	37.1	35.2	34.4	29.2	34.4	32.1	30.9	33.4	30.7	27.6	37.1
	DAY-HR	05-22	21-00	20-04	24-03	11-05	11-07	20-10	06-23	17-07	22-01	06-20	24-22	MAR
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
	DAY-HR	28-13	26-18	15-20	16-05	24-21	18-19	12-14	02-15	18-16	20-17	29-20	28-18	DEC
	# OBS	709	669	732	692	716	709	724	738	713	735	706	741	8584
2001	MEAN	11.2	11.6	17.4	18.2	11.7	16.5	15.6	18.9	16.2	12.3	14.2	13.9	14.8
	MAXIMUM	30.3	36.2	36.0	32.5	30.3	33.2	27.6	32.5	34.2	31.1	26.8	36.5	36.5
	DAY-HR	09-08	13-13	28-02	03-07	29-01	12-22	14-09	25-05	06-02	23-02	20-16	14-23	DEC
	MINIMUM	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
	DAY-HR	31-13	26-07	31-23	30-16	26-10	22-17	27-18	29-12	30-17	31-04	28-13	31-17	DEC
	# OBS	734	672	739	705	733	706	732	672	717	699	709	736	8554
POR	MEAN	12.8	13.7	15.6	17.7	17.4	17.6	17.2	18.3	15.7	14.1	13.7	13.7	15.7
	MAXIMUM	35.2	39.9	37.1	38.1	35.6	35.4	34.4	34.8	34.2	37.5	35.4	37.1	39.9
	YEAR	1994	1998	2000	1999	1999	1999	2000	1996	2001	1996	1996	1996	FEB/1998
	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	2001	2001	2001	2000	2001	2001	2001	2000	2001	2001	2001	2001	DEC/2001
	# OBS	5604	4723	5414	5610	5822	5657	5892	5835	5613	5274	5037	5852	66333

STATION: 46054 -- POR (1/1994 - 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
1994	MEAN	14.8	17.1	18.3	21.0	19.6	26.4	21.3	24.0	20.1	17.3	16.3	15.2	19.3
	MAXIMUM	42.6	46.9	37.3	37.7	38.1	39.5	39.1	40.6	39.5	42.2	40.0	40.8	46.9
	DAY-HR	06-00	04-05	22-15	22-08	03-09	03-05	29-02	29-06	02-23	15-10	16-23	26-03	FEB
	# OBS	724	634	713	702	725	705	657	719	709	727	708	730	8453
1995	MEAN	17.5	12.5	17.1	20.2	19.4	21.4	20.5	21.7	22.8	12.7	14.0	20.9	18.4
	MAXIMUM	47.6	34.8	44.5	41.0	35.4	42.0	39.7	35.4	39.7	35.6	38.9	39.3	47.6
	DAY-HR	04-16	18-05	10-15	09-01	12-15	05-08	29-11	08-00	14-08	17-00	27-14	24-19	JAN
	# OBS	727	668	737	711	742	710	736	710	713	737	709	736	8636
1996	MEAN	17.0	13.9	19.0	22.4	23.5	21.7	20.4	22.2	18.4	21.2	18.0	15.9	20.0
	MAXIMUM	39.7	27.0	39.1	42.6	39.3	41.4	38.1	42.4	34.8	45.9	44.1	45.5	45.9
	DAY-HR	22-17	29-17	23-06	10-21	23-00	18-04	05-16	02-01	12-00	26-06	29-02	18-10	OCT
	# OBS	555	151	355	727	737	717	825	783	715	734	684	735	7718
1997	MEAN	14.7	20.9	16.8	24.4	22.6	21.9	17.8	19.3	20.2	21.5	13.2	17.2	19.5
	MAXIMUM	38.5	44.3	38.5	40.0	38.1	36.7	36.2	35.6	33.8	42.6	33.0	40.6	44.3

	DAY-HR	06-02	18-03	31-23	09-11	01-14	05-13	07-02	23-22	15-22	07-04	30-14	06-06	FEB
	# OBS	708	629	723	691	718	697	722	725	682	201	158	707	7361
1998	MEAN	16.1	20.8	17.8	18.2	19.1	16.0	19.0	20.4	16.1	19.8	19.9	19.3	18.5
	MAXIMUM	33.6	50.3	38.9	39.3	31.7	34.2	38.9	35.4	39.3	36.4	38.7	40.4	50.3
	DAY-HR	09-21	03-08	28-21	25-06	22-11	29-21	01-19	18-02	10-03	14-22	28-11	06-14	FEB
	# OBS	696	638	694	677	706	696	736	774	686	730	682	722	8437
1999	MEAN	15.9	18.6	20.1	20.2	25.3	22.9	21.6	23.2	14.8	17.7	13.8	15.0	19.1
	MAXIMUM	36.9	39.7	43.2	47.4	43.2	43.7	36.7	38.7	35.8	33.8	36.2	40.4	47.4
	DAY-HR	01-02	22-22	27-00	04-04	13-22	14-05	07-02	04-04	01-06	29-01	21-22	02-02	APR
	# OBS	732	652	708	693	736	705	728	706	676	706	677	735	8454
2000	MEAN	16.3	14.3	20.9	22.0	22.9	18.2	25.1	20.9	17.9	14.5	18.2	13.7	18.8
	MAXIMUM	36.7	33.6	44.9	43.4	41.0	36.2	42.6	37.7	35.0	40.2	36.9	32.5	44.9
	DAY-HR	05-22	21-00	20-04	24-03	03-02	11-07	20-09	06-23	17-07	22-01	06-20	23-22	MAR
	# OBS	709	669	732	692	716	708	723	738	703	720	699	733	8542
2001	MEAN	14.3	14.3	21.0	21.7	14.2	19.7	18.5	22.5	19.3	15.0	17.1	17.2	17.9
	MAXIMUM	36.7	45.5	43.5	39.7	36.7	39.7	33.8	37.7	39.3	37.7	32.5	45.1	45.5
	DAY-HR	11-01	13-13	28-02	03-07	29-01	12-12	14-08	25-05	28-04	23-02	20-16	14-23	FEB
	# OBS	677	672	739	704	733	706	732	665	710	680	709	735	8462
POR	MEAN	15.8	16.8	18.9	21.3	20.8	21.0	20.5	21.7	18.7	17.1	16.6	16.8	18.9
	MAXIMUM	47.6	50.3	44.9	47.4	43.2	43.7	42.6	42.4	39.7	45.9	44.1	45.5	50.3
	YEAR	1995	1998	2000	1999	1999	1999	2000	1996	1995	1996	1996	1996	FEB/1998
	# OBS	5528	4713	5401	5597	5813	5644	5859	5820	5594	5235	5026	5833	66063

STATION: 46054 -- POR (6/1996 - 12/2001)

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

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1996	MEAN	-	-	-	-	-	19.3	21.8	23.6	19.9	22.9	19.6	17.6	20.9
	MAXIMUM	-	-	-	-	-	36.0	40.8	42.4	38.3	47.6	45.9	45.5	47.6
	DAY-HR	-	-	-	-	-	29-03	24-07	02-00	17-02	26-05	29-02	18-09	OCT
	MINIMUM	-	-	-	-	-	2.7	3.7	2.1	4.5	1.4	2.1	1.6	1.4
	DAY-HR	-	-	-	-	-	27-15	20-18	11-19	19-16	17-17	20-04	19-21	OCT
	# OBS	-	-	-	-	-	121	803	782	713	734	684	735	4572
1997	MEAN	16.5	22.8	18.4	25.9	24.5	23.2	19.1	20.5	21.6	23.0	15.0	19.2	21.0
	MAXIMUM	39.7	49.0	39.9	42.2	40.8	38.9	39.7	38.3	40.6	43.5	43.2	45.1	49.0
	DAY-HR	07-01	28-04	08-10	24-08	29-07	05-22	07-01	14-12	13-09	07-03	26-18	06-05	FEB
	MINIMUM	1.2	2.7	1.9	1.9	2.5	1.2	2.3	2.7	2.7	3.9	3.3	1.7	1.2
	DAY-HR	16-06	07-19	17-07	26-15	19-08	15-08	22-20	17-19	30-15	05-19	29-13	29-16	JUN
	# OBS	712	629	722	691	696	697	720	702	681	201	159	706	7316
1998	MEAN	17.7	23.1	19.5	19.9	20.4	17.3	20.3	21.5	17.3	21.3	21.5	21.2	20.1
	MAXIMUM	35.4	54.8	42.4	41.2	33.0	36.7	40.4	36.2	39.3	39.5	40.0	43.0	54.8
	DAY-HR	09-20	03-10	28-08	25-07	23-12	30-22	01-23	18-01	10-02	10-05	05-06	06-09	FEB
	MINIMUM	1.6	4.1	3.1	1.6	1.4	1.9	1.9	2.3	2.3	3.1	1.2	1.4	1.2
	DAY-HR	22-18	11-06	09-19	21-21	27-18	17-19	05-18	02-18	04-22	20-17	17-11	19-01	NOV
	# OBS	697	638	694	677	709	695	732	780	687	728	698	722	8457
1999	MEAN	17.8	20.3	21.8	21.9	26.9	24.2	22.8	24.9	15.5	19.1	15.3	16.8	20.7
	MAXIMUM	38.5	41.2	44.7	48.4	46.3	43.5	37.9	39.7	36.7	34.6	37.5	41.6	48.4
	DAY-HR	26-13	22-21	26-23	04-03	15-02	14-04	24-02	04-07	23-11	29-04	22-02	02-02	APR
	MINIMUM	1.7	2.1	3.3	2.7	1.4	0.0	2.3	2.3	2.3	2.1	2.1	1.0	0.0
	DAY-HR	08-20	04-00	14-14	30-21	31-12	02-14	01-16	23-10	27-22	10-22	30-00	28-12	JUN
	# OBS	758	652	708	693	735	705	728	700	653	706	676	735	8449
2000	MEAN	18.0	16.1	22.6	23.6	24.5	19.5	26.4	22.2	19.2	16.0	19.9	15.2	20.3
	MAXIMUM	39.7	38.5	45.9	44.3	41.8	36.7	43.7	40.2	36.9	40.2	39.7	33.8	45.9
	DAY-HR	02-06	21-14	17-04	24-02	27-00	10-02	20-10	07-00	16-23	22-00	05-22	25-02	MAR
	MINIMUM	1.2	0.6	2.3	2.9	1.4	2.1	1.9	2.3	1.9	1.7	1.7	1.9	0.6
	DAY-HR	28-12	26-15	09-18	11-17	14-17	02-17	12-13	02-14	21-04	04-16	29-20	04-03	FEB
	# OBS	708	669	732	692	716	705	711	737	702	712	697	729	8510
2001	MEAN	16.0	16.0	22.6	23.3	15.6	21.2	19.8	23.8	20.6	16.6	18.9	18.9	19.5
	MAXIMUM	44.7	48.0	43.5	39.5	38.5	42.4	35.6	40.2	39.3	38.1	41.0	45.5	48.0
	DAY-HR	26-08	13-12	28-01	03-06	29-01	12-23	15-00	25-05	28-03	23-00	24-19	14-22	FEB
	MINIMUM	1.4	1.6	2.7	2.1	0.4	2.7	1.0	2.1	1.2	0.0	2.1	2.1	0.0
	DAY-HR	31-12	20-19	19-13	20-14	26-07	21-13	25-21	01-18	02-11	31-02	28-13	16-18	OCT
	# OBS	669	670	739	704	732	706	732	665	704	669	708	733	8431
POR	MEAN	17.2	19.6	21.0	22.9	22.4	21.0	21.7	22.7	19.1	19.5	18.9	18.1	20.4
	MAXIMUM	44.7	54.8	45.9	48.4	46.3	43.5	43.7	42.4	40.6	47.6	45.9	45.5	54.8
	YEAR	2001	1998	2000	1999	1999	1999	2000	1996	1997	1996	1996	2001	FEB/1998

MINIMUM	1.2	0.6	1.9	1.6	0.4	0.0	1.0	2.1	1.2	0.0	1.2	1.0	0.0
YEAR	2000	2000	1997	1998	2001	1999	2001	2001	2001	2001	1998	1999	OCT/2001
# OBS	3544	3258	3595	3457	3588	3629	4426	4366	4140	3750	3622	4360	45735

STATION: 46054 -- POR (1/1994 - 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
1994	MEAN	1.9	2.1	2.2	2.2	2.1	2.2	1.6	1.9	1.5	1.9	2.4	2.6	2.0
	MAXIMUM	4.3	4.4	4.6	4.8	3.8	3.4	2.7	3.0	2.6	4.7	5.2	5.5	5.5
	DAY-HR	25-17	18-12	23-01	26-14	13-23	15-11	29-02	05-06	03-05	15-18	17-00	19-14	DEC
	# OBS	683	592	680	429	709	683	642	655	642	697	692	713	7817
1995	MEAN	3.0	1.8	2.2	2.2	1.8	2.1	1.5	1.7	2.0	2.0	2.0	2.9	2.1
	MAXIMUM	6.6	3.9	5.0	5.5	3.6	4.7	2.8	2.8	4.3	3.7	3.9	7.6	7.6
	DAY-HR	23-02	03-09	23-17	19-02	11-10	07-06	30-05	14-02	26-10	22-23	27-03	13-22	DEC
	# OBS	726	638	714	682	718	704	715	699	678	721	703	737	8435
1996	MEAN	2.3	2.4	2.0	2.4	2.0	1.9	1.6	1.6	1.7	2.1	2.0	2.1	2.0
	MAXIMUM	5.0	4.0	3.6	4.3	4.0	3.4	2.7	2.5	3.1	4.2	4.3	4.0	5.0
	DAY-HR	01-04	18-13	20-20	28-05	23-12	18-07	05-00	31-13	17-12	20-03	23-09	07-06	JAN
	# OBS	572	156	357	713	734	717	823	764	713	734	684	735	7702
1997	MEAN	2.3	2.6	2.3	2.3	1.8	2.2	1.5	1.5	1.9	2.9	2.7	2.7	2.1
	MAXIMUM	4.4	5.1	3.8	4.5	3.3	4.0	2.8	2.6	4.0	4.9	5.1	5.2	5.2
	DAY-HR	27-00	27-19	08-05	02-03	01-18	06-07	07-03	06-11	28-03	07-06	27-18	22-18	DEC
	# OBS	711	629	723	692	718	697	722	725	682	202	158	707	7366
1998	MEAN	2.7	4.1	2.4	2.2	1.9	1.6	1.8	1.7	1.6	2.1	2.7	2.8	2.3
	MAXIMUM	6.7	6.8	4.6	4.5	4.2	3.0	3.5	2.7	3.3	5.1	6.0	5.8	6.8
	DAY-HR	30-14	16-11	15-03	01-22	02-14	30-23	02-06	24-03	10-02	30-19	26-22	01-06	FEB
	# OBS	685	632	694	676	709	695	736	776	678	728	672	718	8399
1999	MEAN	2.4	2.9	2.8	2.4	2.3	2.2	1.7	1.5	1.6	1.8	2.3	2.5	2.2
	MAXIMUM	6.1	7.1	5.0	5.8	5.1	4.0	3.0	3.4	3.1	6.6	5.1	5.3	7.1
	DAY-HR	19-08	17-10	30-23	04-05	09-05	14-13	07-15	31-10	01-02	29-01	20-08	11-10	FEB
	# OBS	733	653	709	693	735	705	729	701	674	704	676	735	8447
2000	MEAN	2.0	3.0	3.0	2.1	2.1	1.6	1.7	1.6	1.5	2.1	2.4	2.2	2.1
	MAXIMUM	5.8	6.2	5.1	4.9	3.8	3.2	3.1	3.0	2.7	5.6	4.3	7.0	7.0
	DAY-HR	31-23	28-20	06-16	29-07	31-04	12-09	20-13	20-19	29-23	29-23	30-21	23-02	DEC
	# OBS	708	669	732	692	716	704	714	735	702	715	696	726	8509
2001	MEAN	3.0	2.4	2.4	2.1	1.9	1.8	1.5	1.7	1.8	1.9	2.5	2.9	2.2
	MAXIMUM	7.3	5.1	4.9	3.9	5.5	3.4	2.6	2.8	3.5	4.2	7.0	6.1	7.3
	DAY-HR	12-03	10-19	26-17	08-09	02-19	04-12	14-08	28-08	28-04	24-18	22-07	21-06	JAN
	# OBS	670	672	737	702	732	706	731	665	697	664	704	728	8408
POR	MEAN	2.5	2.7	2.5	2.3	2.0	1.9	1.6	1.7	1.7	2.0	2.3	2.6	2.1
	MAXIMUM	7.3	7.1	5.1	5.8	5.5	4.7	3.5	3.4	4.3	6.6	7.0	7.6	7.6
	YEAR	2001	1999	2000	1999	2001	1995	1998	1999	1995	1999	2001	1995	DEC/1995
	# OBS	5488	4641	5346	5279	5771	5611	5812	5720	5466	5165	4985	5799	65083

STATION: 46054

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

Month: JAN

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	0.3	*	0.1	0.1	0.1	0.1	0.1	*	*	0.1	0.1	0.1	0.1	1.0	57	
1 - 3		0.6	1.2	1.1	1.0	0.6	0.7	0.6	0.6	0.5	1.1	1.1	1.0	10.0	561	
4 - 6		0.7	0.7	1.1	1.5	1.3	0.6	0.5	0.5	1.2	2.1	2.5	1.3	13.9	777	
7 - 10		0.5	0.4	0.8	1.5	1.3	0.9	0.7	0.7	0.9	3.4	5.3	2.3	18.6	1045	
11 - 15		0.2	0.1	0.1	1.3	1.4	0.9	0.4	0.5	0.5	2.2	7.0	3.1	17.8	996	
16 - 20		0.2	0.1	0.1	1.1	0.9	1.0	0.2	0.2	0.3	0.9	11.7	4.5	21.2	1191	
21 - 24		0.1	-	-	0.6	0.5	0.3	*	*	0.1	0.3	7.6	2.2	11.6	652	
25 - 33		0.1	-	*	0.4	0.4	0.2	-	-	*	0.1	3.7	0.9	5.7	322	
34 - 47		-	-	-	-	*	-	-	-	-	-	*	-	0.1	3	
> 48		-	-	-	*	-	-	-	-	-	-	-	-	0.0	1	
TOTAL %	0.3	2.4	2.4	3.2	7.3	6.6	4.6	2.5	2.5	3.6	10.1	39.0	15.4	100.0		
TOTAL N	19	137	134	181	410	368	259	140	142	204	566	2184	861	5605		

(\* < 0.05%)

STATION: 46054

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

Month: FEB

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	0.1	0.1	0.1	0.1	0.1	-	-	*	0.1	*	0.1	*	1.0	45
1 - 3		0.7	0.6	0.8	0.7	0.8	0.6	0.5	0.6	0.8	0.8	0.9	0.9	8.8	414
4 - 6		0.7	0.6	0.8	1.0	0.9	0.8	0.8	0.9	1.5	1.8	1.9	1.4	13.2	625
7 - 10		0.4	0.3	0.7	0.9	1.7	1.2	0.8	0.7	1.1	2.7	3.5	2.1	16.0	758
11 - 15		0.4	0.1	0.2	1.5	1.8	1.2	0.7	0.7	0.5	1.9	7.4	2.6	18.8	890
16 - 20		0.1	*	*	1.2	1.6	0.8	0.5	0.2	0.3	1.0	10.0	4.5	20.4	965
21 - 24		*	-	*	0.6	0.5	0.3	0.3	0.1	0.1	0.3	8.6	3.3	14.0	663
25 - 33		-	-	*	0.4	0.5	0.2	0.1	*	-	-	4.1	1.8	7.2	341
34 - 47		-	-	-	*	0.1	0.1	-	-	-	-	0.2	*	0.5	22
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	2.5	1.7	2.7	6.5	8.1	5.3	3.7	3.3	4.3	8.5	36.6	16.6	100.0	
TOTAL N	12	118	81	127	306	381	252	175	157	202	401	1728	783		4723

(\* &lt; 0.05%)

STATION: 46054

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

Month: MAR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	0.1	*	*	*	0.1	*	*	0.1	*	0.1	*	0.1	0.7	37
1 - 3		0.5	0.4	0.6	0.4	0.3	0.4	0.3	0.5	0.6	0.7	0.8	0.7	6.3	341
4 - 6		0.6	0.4	0.6	0.7	0.7	0.6	0.4	0.4	0.8	1.6	1.6	0.9	9.3	504
7 - 10		0.4	0.4	0.5	0.6	1.1	0.8	0.7	0.4	0.7	2.5	5.0	2.0	14.9	809
11 - 15		0.2	0.1	0.2	0.6	0.6	0.7	0.4	0.3	0.3	2.2	9.3	3.3	18.2	984
16 - 20		0.2	-	*	0.6	0.7	0.3	0.2	0.1	0.1	1.2	12.2	3.9	19.4	1053
21 - 24		0.1	-	-	0.3	0.5	0.1	0.1	-	0.1	0.2	10.8	3.5	15.6	846
25 - 33		*	-	-	0.2	0.6	0.1	-	-	*	0.1	12.2	2.1	15.2	823
34 - 47		-	-	-	-	0.1	-	-	-	-	-	0.2	*	0.3	17
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	2.2	1.3	1.9	3.5	4.5	3.0	2.0	1.8	2.6	8.6	52.1	16.4	100.0	
TOTAL N	9	119	69	102	187	243	163	110	96	140	466	2820	890		5414

(\* &lt; 0.05%)

STATION: 46054

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

Month: APR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	0.1	*	*	*	*	-	*	*	-	*	0.1	-	0.4	21
1 - 3		0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.4	0.4	0.5	0.7	0.6	4.8	270
4 - 6		0.5	0.3	0.5	0.7	0.4	0.3	0.1	0.3	0.5	1.2	1.5	0.9	7.0	395
7 - 10		0.4	0.2	0.2	0.4	0.5	0.4	0.4	0.2	0.6	2.2	3.8	1.6	11.0	617
11 - 15		0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.3	0.2	2.2	7.6	2.7	14.0	786
16 - 20		*	-	-	0.1	0.2	*	-	*	*	0.6	15.3	2.9	19.3	1083
21 - 24		-	-	-	*	0.1	-	-	-	*	0.1	17.3	3.5	21.0	1177
25 - 33		-	-	-	-	0.1	*	-	-	-	-	16.4	5.6	22.1	1240
34 - 47		-	-	-	-	-	-	-	-	-	-	0.3	0.1	0.4	21
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	1.6	1.0	1.2	1.8	1.8	1.0	0.9	1.3	1.8	6.9	62.9	17.8	100.0	
TOTAL N	3	88	56	65	103	103	58	50	71	99	386	3531	997		5610

(\* &lt; 0.05%)

STATION: 46054

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

Month: MAY

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	*	0.1	*	*	0.1	*	*	*	0.1	*	*	*	0.7	42
1 - 3		0.3	0.2	0.3	0.5	0.2	0.3	0.3	0.3	0.6	0.6	0.4	0.3	4.3	250
4 - 6		0.3	0.2	0.4	0.8	0.8	0.3	0.4	0.7	0.8	1.5	1.7	0.7	8.6	500
7 - 10		0.2	0.1	0.3	0.8	0.9	0.5	0.8	0.3	0.5	2.1	4.0	1.1	11.6	677
11 - 15		0.1	*	0.1	0.6	0.6	0.2	0.1	0.1	0.1	1.8	8.5	1.4	13.6	792
16 - 20		-	-	*	0.3	0.1	-	-	*	*	0.9	14.4	2.7	18.4	1071
21 - 24		-	-	-	-	*	-	-	-	-	0.1	17.1	2.9	20.2	1178
25 - 33		-	-	-	-	-	-	-	-	-	*	19.7	2.6	22.3	1297
34 - 47		-	-	-	-	-	-	-	-	-	-	0.2	*	0.3	15
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	0.7	0.7	1.1	3.1	2.6	1.4	1.6	1.5	2.0	7.1	66.1	11.8	100.0	

TOTAL N 19 43 38 66 178 151 84 92 86 116 413 3850 686 5822  
 (\* < 0.05%)

STATION: 46054

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

Month: JUN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	*	*	-	0.1	0.1	-	*	*	*	-	*	-	0.4	23
1 - 3		0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.4	0.5	0.7	0.6	0.4	4.5	256
4 - 6		0.4	0.1	0.2	0.3	0.7	0.4	0.3	0.5	0.7	1.4	1.4	0.7	7.2	405
7 - 10		0.2	0.3	0.3	0.5	0.6	0.1	0.2	0.3	0.5	2.4	5.0	1.0	11.4	647
11 - 15		0.1	0.1	0.1	0.2	0.1	0.1	*	-	0.1	2.2	11.9	1.5	16.3	922
16 - 20		-	-	-	-	-	-	-	-	-	0.9	14.6	1.5	17.0	959
21 - 24		-	-	-	-	-	-	-	-	-	0.3	17.2	1.9	19.4	1099
25 - 33		-	-	-	-	-	-	-	-	-	-	21.8	1.9	23.7	1340
34 - 47		-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	6
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	0.8	0.7	0.8	1.4	1.9	1.0	1.0	1.2	1.7	7.8	72.7	8.9	100.0	
TOTAL N	9	47	41	48	78	105	58	54	67	94	440	4110	506		5657

(\* < 0.05%)

STATION: 46054

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

Month: JUL

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	0.1	0.1	-	*	*	*	0.1	*	*	0.1	0.1	*	0.6	37
1 - 3		0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.6	0.4	0.7	0.5	0.5	4.8	284
4 - 6		0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.6	1.3	1.8	0.7	6.5	385
7 - 10		0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.3	3.3	5.1	0.8	10.8	635
11 - 15		*	-	0.1	0.1	*	-	-	-	0.1	3.2	10.6	1.0	15.1	892
16 - 20		*	-	-	-	-	-	-	-	-	1.1	19.5	1.3	21.9	1291
21 - 24		-	-	*	-	-	-	-	-	-	0.3	21.6	0.6	22.4	1322
25 - 33		-	-	-	-	-	-	-	-	-	0.1	17.3	0.3	17.7	1041
34 - 47		-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	5
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	1.0	0.5	0.8	1.0	0.8	0.7	0.8	1.1	1.5	10.0	76.6	5.2	100.0	
TOTAL N	11	56	32	45	58	45	42	46	65	86	587	4513	306		5892

(\* < 0.05%)

STATION: 46054

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

Month: AUG

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	-	-	*	-	-	-	-	*	0.1	*	*	0.3	19
1 - 3		0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.5	0.3	2.7	156
4 - 6		0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.4	1.1	1.0	0.4	4.0	231
7 - 10		0.3	0.3	0.1	0.2	0.1	*	*	0.1	0.3	2.2	4.9	1.4	9.9	578
11 - 15		-	0.1	0.1	0.1	0.1	*	*	-	*	2.7	11.6	1.2	15.9	927
16 - 20		-	-	*	*	0.1	*	-	-	-	1.6	19.5	1.0	22.2	1296
21 - 24		-	-	-	-	0.1	0.1	-	-	-	0.5	22.5	0.7	23.8	1390
25 - 33		-	-	-	-	-	-	-	-	-	*	20.6	0.5	21.2	1236
34 - 47		-	-	-	-	-	-	-	-	-	-	*	-	0.0	2
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	0.7	0.7	0.3	0.6	0.6	0.3	0.4	0.4	1.1	8.5	80.6	5.7	100.0	
TOTAL N	8	39	41	19	35	34	17	23	24	67	495	4702	331		5835

(\* < 0.05%)

STATION: 46054

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

Month: SEP

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	0.1	-	-	*	-	*	*	0.1	*	*	*	-	0.5	28
1 - 3		0.2	0.1	0.4	0.2	0.3	0.4	0.4	0.7	0.5	0.8	0.6	0.3	4.9	274
4 - 6		0.2	0.2	0.3	0.6	0.4	0.6	0.4	0.6	0.7	1.8	1.8	1.0	8.4	474
7 - 10		0.2	0.3	0.2	0.5	0.5	0.3	0.2	0.2	0.3	3.1	6.0	1.8	13.6	762
11 - 15		*	0.1	0.2	0.3	0.2	0.2	*	*	*	3.0	14.0	1.9	19.9	1115
16 - 20		-	-	-	*	*	-	-	-	-	1.7	19.3	1.8	23.0	1289
21 - 24		-	-	-	-	-	-	-	-	-	0.2	16.2	1.1	17.6	989
25 - 33		-	-	-	-	-	-	-	-	-	*	11.6	0.5	12.1	681

34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
> 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	0.6	0.6	1.1	1.5	1.4	1.5	1.0	1.5	1.6	10.8	69.5	8.5		100.0		
TOTAL N	14	34	35	62	85	79	86	58	85	90	604	3902	479				5613

(\* < 0.05%)

STATION: 46054

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

Month: OCT

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.5	0.1	-	*	-	0.1	0.1	0.1	-	0.1	*	0.1	*	1.1	58	
1 - 3		0.7	0.6	0.8	0.7	0.6	0.4	0.5	0.9	0.9	1.1	0.9	0.6	8.7	461	
4 - 6		0.6	0.5	0.9	0.7	0.8	0.5	0.7	0.9	1.4	1.9	2.0	1.1	11.9	629	
7 - 10		0.3	0.4	0.6	1.1	0.5	0.3	0.4	0.3	0.7	3.9	6.3	1.9	16.7	883	
11 - 15		0.1	*	0.2	0.4	0.1	0.5	0.3	0.1	0.1	2.6	12.0	1.7	18.0	949	
16 - 20		*	*	-	*	*	0.1	-	*	-	1.0	14.6	1.8	17.6	929	
21 - 24		-	-	-	-	*	0.1	*	*	-	0.3	12.8	1.3	14.5	767	
25 - 33		-	-	-	-	*	*	-	-	-	-	9.3	1.8	11.1	584	
34 - 47		-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.2	13	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.5	1.8	1.7	2.4	2.9	2.1	2.0	1.9	2.3	3.2	10.8	58.0	10.4	100.0		
TOTAL N	26	94	88	129	151	113	107	99	119	168	572	3058	549			5273

(\* < 0.05%)

STATION: 46054

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

Month: NOV

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.3	0.1	-	*	0.1	*	*	0.1	0.1	-	0.1	-	*	0.9	44	
1 - 3		0.9	0.9	0.9	0.6	0.8	0.6	0.6	0.6	0.6	0.9	1.4	1.1	9.8	492	
4 - 6		1.0	0.8	0.7	1.0	0.8	0.4	0.2	0.5	0.6	1.9	2.4	1.7	12.1	609	
7 - 10		0.7	0.3	0.4	1.5	1.1	0.5	0.3	0.3	0.5	2.4	6.0	3.0	16.9	851	
11 - 15		0.4	-	0.1	0.8	0.8	0.4	0.1	-	0.1	1.5	10.5	2.7	17.3	873	
16 - 20		0.1	-	0.1	0.4	0.6	0.2	*	*	0.1	0.6	14.7	3.2	20.0	1005	
21 - 24		0.1	-	*	*	*	*	0.1	-	0.1	0.2	11.3	1.8	13.7	689	
25 - 33		-	-	-	-	-	-	-	-	*	-	7.7	1.6	9.3	468	
34 - 47		-	-	-	-	-	-	-	-	-	-	*	0.1	0.1	5	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.3	3.2	1.9	2.2	4.4	4.2	2.1	1.4	1.5	1.9	7.5	54.1	15.2	100.0		
TOTAL N	16	161	94	113	222	210	108	72	77	98	380	2722	763			5036

(\* < 0.05%)

STATION: 46054

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	0.4	0.1	0.1	0.1	0.1	0.1	0.1	*	*	0.1	0.1	0.1	0.1	1.2	71	
1 - 3		1.0	1.0	1.0	0.7	0.6	0.5	0.5	0.3	0.5	0.8	1.3	1.2	9.4	548	
4 - 6		1.1	1.0	1.0	0.9	0.6	0.3	0.4	0.5	0.7	1.7	3.0	2.2	13.6	794	
7 - 10		0.9	0.5	0.9	1.2	1.0	0.4	0.4	0.3	0.6	2.4	5.1	2.4	15.9	932	
11 - 15		0.6	0.2	0.2	1.1	1.5	0.6	0.3	0.2	0.2	1.6	8.0	3.0	17.5	1024	
16 - 20		0.6	0.1	0.1	0.7	1.0	0.3	0.1	-	0.1	0.4	10.4	4.4	18.3	1069	
21 - 24		0.2	0.1	0.1	0.7	0.9	0.1	0.1	*	*	0.2	8.9	3.0	14.4	840	
25 - 33		0.1	-	-	0.8	0.7	*	-	-	*	-	5.9	2.1	9.6	564	
34 - 47		-	-	-	*	-	-	-	-	-	-	0.1	*	0.2	9	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.4	4.5	3.0	3.4	6.2	6.4	2.3	1.8	1.3	2.2	7.2	42.8	18.5	100.0		
TOTAL N	22	265	177	201	362	373	132	104	76	130	423	2506	1080			5851

(\* < 0.05%)

STATION: 46054

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	0.3	0.1	*	*	*	*	*	*	*	*	*	*	*	0.7	482
1 - 3		0.5	0.5	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.8	0.8	0.7	6.5	4307
4 - 6		0.5	0.4	0.6	0.7	0.6	0.4	0.4	0.5	0.8	1.6	1.9	1.1	9.5	6328
7 - 10		0.4	0.3	0.4	0.8	0.8	0.5	0.4	0.3	0.6	2.7	5.0	1.8	13.9	9194

11 - 15	0.2	0.1	0.1	0.6	0.6	0.4	0.2	0.2	0.2	2.3	9.9	2.2	16.8	11150
16 - 20	0.1	*	*	0.4	0.4	0.2	0.1	0.1	0.1	1.0	14.8	2.8	19.9	13201
21 - 24	*	*	*	0.2	0.2	0.1	*	*	*	0.3	14.5	2.1	17.5	11612
25 - 33	*	-	*	0.2	0.2	*	*	*	*	*	12.7	1.8	15.0	9937
34 - 47	-	-	-	*	*	*	-	-	-	-	0.1	*	0.2	119
> 48	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.3	1.8	1.3	1.7	3.3	3.3	2.1	1.5	1.6	2.3	8.6	59.7	12.4	100.0
TOTAL N	168	1201	886	1158	2175	2205	1366	1023	1065	1494	5733	39626	8231	66331

(\* < 0.05%)

STATION: 46054

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	0.1	0.1	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1	*	1.1	173
1 - 3		0.8	0.9	1.0	0.8	0.7	0.6	0.5	0.5	0.6	0.9	1.1	1.1	9.4	1523
4 - 6		0.9	0.8	1.0	1.1	0.9	0.6	0.6	0.6	1.1	1.9	2.5	1.6	13.6	2196
7 - 10		0.6	0.4	0.8	1.2	1.3	0.8	0.6	0.6	0.8	2.8	4.7	2.3	16.9	2735
11 - 15		0.4	0.1	0.2	1.3	1.5	0.9	0.5	0.4	0.4	1.9	7.5	2.9	18.0	2910
16 - 20		0.3	0.1	0.1	1.0	1.2	0.7	0.2	0.2	0.2	0.8	10.7	4.5	19.9	3225
21 - 24		0.1	*	*	0.6	0.7	0.2	0.1	*	*	0.2	8.4	2.8	13.3	2155
25 - 33		0.1	-	*	0.5	0.5	0.1	*	*	*	*	4.6	1.6	7.6	1227
34 - 47		-	-	-	*	*	*	-	-	-	-	0.1	*	0.2	34
> 48		-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.3	3.2	2.4	3.1	6.7	6.9	4.0	2.6	2.3	3.3	8.6	39.7	16.8	100.0	
TOTAL N	53	520	392	509	1078	1122	643	419	375	536	1390	6418	2724	16179	

(\* < 0.05%)

STATION: 46054

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	*	*	*	*	0.1	*	*	*	*	*	*	*	0.6	100
1 - 3		0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.5	5.1	861
4 - 6		0.5	0.3	0.5	0.7	0.6	0.4	0.3	0.5	0.7	1.4	1.6	0.8	8.3	1399
7 - 10		0.3	0.2	0.4	0.6	0.8	0.6	0.6	0.3	0.6	2.3	4.2	1.6	12.5	2103
11 - 15		0.1	0.1	0.1	0.5	0.5	0.3	0.2	0.2	0.2	2.1	8.5	2.4	15.2	2562
16 - 20		0.1	-	*	0.3	0.3	0.1	0.1	*	*	0.9	14.0	3.1	19.0	3207
21 - 24		*	-	-	0.1	0.2	*	*	-	*	0.2	15.2	3.3	19.0	3201
25 - 33		*	-	-	0.1	0.2	*	-	-	*	*	16.2	3.4	19.9	3360
34 - 47		-	-	-	-	*	-	-	-	-	-	0.3	*	0.3	53
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	1.5	1.0	1.4	2.8	3.0	1.8	1.5	1.5	2.1	7.5	60.6	15.3	100.0	
TOTAL N	31	250	163	233	468	497	305	252	253	355	1265	10201	2573	16846	

(\* < 0.05%)

STATION: 46054

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	*	*	-	*	*	*	*	*	*	*	*	*	0.5	79
1 - 3		0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.6	0.5	0.4	4.0	696
4 - 6		0.3	0.1	0.2	0.3	0.4	0.2	0.2	0.3	0.6	1.2	1.4	0.6	5.9	1021
7 - 10		0.2	0.2	0.2	0.3	0.3	0.1	0.1	0.2	0.4	2.6	5.0	1.1	10.7	1860
11 - 15		*	0.1	0.1	0.1	0.1	*	*	-	*	2.7	11.4	1.2	15.8	2741
16 - 20		*	-	*	*	*	*	-	-	-	1.2	17.9	1.2	20.4	3546
21 - 24		-	-	*	-	*	*	-	-	-	0.4	20.4	1.1	21.9	3811
25 - 33		-	-	-	-	-	-	-	-	-	*	19.9	0.9	20.8	3617
34 - 47		-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	13
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	0.8	0.7	0.6	1.0	1.1	0.7	0.7	0.9	1.4	8.8	76.7	6.6	100.0	
TOTAL N	28	142	114	112	171	184	117	123	156	247	1522	13325	1143	17384	

(\* < 0.05%)

STATION: 46054

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	0.1	-	*	*	*	*	0.1	0.1	0.1	*	*	*	0.8	130
1 - 3		0.6	0.5	0.7	0.5	0.5	0.5	0.5	0.7	0.6	1.0	0.9	0.7	7.7	1227
4 - 6		0.6	0.5	0.6	0.7	0.7	0.5	0.4	0.7	0.9	1.8	2.1	1.2	10.8	1712

7 - 10	0.4	0.3	0.4	1.0	0.7	0.4	0.3	0.3	0.5	3.1	6.1	2.2	15.7	2496
11 - 15	0.2	*	0.2	0.5	0.3	0.3	0.1	*	0.1	2.4	12.2	2.1	18.4	2937
16 - 20	*	*	*	0.1	0.2	0.1	*	*	*	1.1	16.3	2.2	20.2	3223
21 - 24	*	-	*	*	*	0.1	*	*	*	0.3	13.5	1.4	15.4	2445
25 - 33	-	-	-	-	*	*	-	-	*	*	9.6	1.3	10.9	1733
34 - 47	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.1	19
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	1.8	1.4	1.9	2.9	2.5	1.9	1.4	1.8	2.2	9.8	60.8	11.2	100.0
TOTAL N	56	289	217	304	458	402	301	229	281	356	1556	9682	1791	15922

(\* < 0.05%)

STATION: 46054

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

Month: JAN

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.0	54
1 - 3	-	2.3	4.5	2.3	0.7	0.1	0.1	-	-	-	-	-	-	-	-	9.9	545
4 - 6	-	3.0	6.6	3.1	0.7	0.3	0.1	-	-	-	-	-	-	-	-	13.6	749
7 - 10	-	2.9	9.4	4.2	1.3	0.3	0.1	*	-	-	-	-	-	-	-	18.2	998
11 - 15	-	1.8	7.9	5.3	1.9	0.5	0.3	*	-	-	-	-	-	-	-	17.7	971
16 - 20	-	1.4	8.6	6.9	3.0	1.0	0.2	0.1	-	-	-	-	-	-	-	21.2	1166
21 - 24	-	0.2	4.7	4.9	1.3	0.5	0.1	*	-	-	-	-	-	-	-	11.7	644
25 - 33	-	*	1.4	2.9	1.0	0.3	-	-	-	-	-	-	-	-	-	5.7	311
34 - 47	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	0.1	3
> 48	-	*	0.4	0.3	0.1	*	-	-	-	-	-	-	-	-	-	0.9	47
TOTAL %	0.0	11.9	44.1	30.0	10.0	3.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	652	2420	1648	551	164	42	11	0	0	0	0	0	0	0		5488

(\* < 0.05%)

STATION: 46054

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

Month: FEB

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.0	45
1 - 3	-	1.2	4.9	1.9	0.6	0.1	0.1	-	-	-	-	-	-	-	-	8.8	409
4 - 6	-	2.0	6.2	3.0	1.3	0.6	0.1	-	-	-	-	-	-	-	-	13.2	614
7 - 10	-	2.2	6.7	4.1	1.6	1.0	0.2	*	-	-	-	-	-	-	-	15.9	736
11 - 15	-	1.8	8.1	5.5	1.8	1.1	0.4	-	-	-	-	-	-	-	-	18.6	863
16 - 20	-	0.8	7.5	7.0	3.5	1.1	0.4	*	-	-	-	-	-	-	-	20.4	945
21 - 24	*	0.2	4.1	5.2	3.3	0.8	0.4	*	-	-	-	-	-	-	-	14.0	651
25 - 33	-	*	1.7	2.3	2.4	0.5	0.3	-	-	-	-	-	-	-	-	7.2	335
34 - 47	-	-	-	0.2	0.2	0.1	*	-	-	-	-	-	-	-	-	0.5	22
> 48	-	0.1	0.2	0.2	*	-	-	-	-	-	-	-	-	-	-	0.5	21
TOTAL %	0.0	8.3	40.1	29.5	14.8	5.3	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	387	1859	1368	687	246	87	6	0	0	0	0	0	0	0		4641

(\* < 0.05%)

STATION: 46054

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

Month: MAR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.7	37
1 - 3	-	1.3	3.6	0.9	0.4	0.1	-	-	-	-	-	-	-	-	-	6.3	338
4 - 6	-	1.8	5.2	1.9	0.4	*	-	-	-	-	-	-	-	-	-	9.3	496
7 - 10	*	2.7	7.3	3.7	1.2	0.1	-	-	-	-	-	-	-	-	-	15.0	802
11 - 15	-	2.7	8.8	4.8	1.6	0.1	-	-	-	-	-	-	-	-	-	18.0	963
16 - 20	-	1.6	8.0	7.7	1.9	0.1	-	-	-	-	-	-	-	-	-	19.3	1034
21 - 24	*	0.3	5.4	7.6	2.1	0.2	-	-	-	-	-	-	-	-	-	15.6	836
25 - 33	*	-	2.2	8.2	4.3	0.5	-	-	-	-	-	-	-	-	-	15.2	813
34 - 47	-	-	-	*	0.2	0.1	-	-	-	-	-	-	-	-	-	0.3	17
> 48	-	0.1	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	10
TOTAL %	0.1	10.7	40.9	35.0	12.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	570	2187	1870	652	63	0	0	0	0	0	0	0	0	0		5346

(\* < 0.05%)

STATION: 46054

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

Month: APR

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.4	20
1 - 3	-	1.1	2.4	0.8	0.3	*	-	-	-	-	-	-	-	-	-	4.6	245
4 - 6	-	2.5	3.3	0.9	0.2	*	-	-	-	-	-	-	-	-	-	7.1	373
7 - 10	-	3.8	5.4	1.5	0.3	0.1	-	-	-	-	-	-	-	-	-	11.1	585
11 - 15	-	4.0	7.8	1.8	0.5	*	-	-	-	-	-	-	-	-	-	14.2	747
16 - 20	-	2.9	11.6	3.9	0.9	*	-	-	-	-	-	-	-	-	-	19.2	1015
21 - 24	-	0.9	11.6	5.8	1.8	*	-	-	-	-	-	-	-	-	-	20.1	1062
25 - 33	-	0.1	7.7	10.3	3.9	0.7	*	-	-	-	-	-	-	-	-	22.7	1200
34 - 47	-	-	*	0.1	0.2	*	*	-	-	-	-	-	-	-	-	0.4	21
> 48	-	0.1	*	*	*	*	-	-	-	-	-	-	-	-	-	0.2	11
TOTAL %	0.0	15.5	50.1	25.3	8.1	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	816	2647	1335	429	49	3	0	0	0	0	0	0	0	0		5279

(\* < 0.05%)

STATION: 46054

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

Month: MAY

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.7	42
1 - 3	-	1.8	2.0	0.3	0.2	0.1	-	-	-	-	-	-	-	-	-	4.3	248
4 - 6	-	3.1	4.8	0.5	*	0.1	-	-	-	-	-	-	-	-	-	8.5	493
7 - 10	-	4.3	6.0	0.8	0.1	0.1	-	-	-	-	-	-	-	-	-	11.4	658
11 - 15	-	4.7	7.1	1.7	0.1	-	-	-	-	-	-	-	-	-	-	13.5	781
16 - 20	-	3.8	12.5	1.8	0.1	0.1	-	-	-	-	-	-	-	-	-	18.3	1057
21 - 24	-	1.0	14.7	4.4	0.1	0.1	*	-	-	-	-	-	-	-	-	20.3	1171
25 - 33	-	0.2	11.8	8.6	1.6	0.2	-	-	-	-	-	-	-	-	-	22.4	1291
34 - 47	-	-	-	0.1	0.2	-	-	-	-	-	-	-	-	-	-	0.3	15
> 48	-	*	0.2	*	*	-	-	-	-	-	-	-	-	-	-	0.3	15
TOTAL %	0.0	19.4	59.4	18.2	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1119	3426	1050	147	28	1	0	0	0	0	0	0	0	0		5771

(\* < 0.05%)

STATION: 46054

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

Month: JUN

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.4	23
1 - 3	-	1.8	2.5	0.2	-	-	-	-	-	-	-	-	-	-	-	4.5	255
4 - 6	-	3.2	3.5	0.4	-	-	-	-	-	-	-	-	-	-	-	7.1	398
7 - 10	-	5.3	5.4	0.6	-	-	-	-	-	-	-	-	-	-	-	11.4	639
11 - 15	*	7.9	6.9	1.4	*	-	-	-	-	-	-	-	-	-	-	16.3	912
16 - 20	-	4.0	10.4	2.3	0.2	-	-	-	-	-	-	-	-	-	-	16.9	950
21 - 24	-	2.1	12.3	4.9	0.2	*	-	-	-	-	-	-	-	-	-	19.5	1092
25 - 33	-	0.3	11.5	10.9	0.9	0.1	-	-	-	-	-	-	-	-	-	23.6	1324
34 - 47	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	6
> 48	-	-	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	0.2	12
TOTAL %	0.0	24.7	53.1	20.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	1387	2977	1171	70	5	0	0	0	0	0	0	0	0	0		5611

(\* < 0.05%)

STATION: 46054

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

Month: JUL

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.6	37
1 - 3	-	2.8	2.1	*	-	-	-	-	-	-	-	-	-	-	-	4.9	283
4 - 6	-	3.9	2.5	-	-	-	-	-	-	-	-	-	-	-	-	6.4	374
7 - 10	-	6.7	3.9	*	-	-	-	-	-	-	-	-	-	-	-	10.7	620
11 - 15	*	9.4	5.4	0.1	-	-	-	-	-	-	-	-	-	-	-	14.9	864
16 - 20	-	11.0	10.3	0.4	-	-	-	-	-	-	-	-	-	-	-	21.8	1265
21 - 24	*	5.7	16.0	0.7	-	-	-	-	-	-	-	-	-	-	-	22.4	1301
25 - 33	*	0.6	13.6	3.1	0.1	-	-	-	-	-	-	-	-	-	-	17.5	1015
34 - 47	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	5
> 48	-	0.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.8	48

TOTAL %	0.1	40.7	54.7	4.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	2368	3179	258	3	0	0	0	0	0	0	0	0	0	0		5812

(\* < 0.05%)

STATION: 46054

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

Month: AUG

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.3	19
1 - 3	-	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	2.7	155
4 - 6	-	1.3	1.4	-	-	-	-	-	-	-	-	-	-	-	-	4.0	228
7 - 10	*	2.0	2.0	*	-	-	-	-	-	-	-	-	-	-	-	9.8	563
11 - 15	*	5.3	4.5	*	-	-	-	-	-	-	-	-	-	-	-	15.7	897
16 - 20	-	8.3	7.2	0.1	-	-	-	-	-	-	-	-	-	-	-	22.0	1257
21 - 24	-	8.3	13.4	0.2	-	-	-	-	-	-	-	-	-	-	-	23.5	1345
25 - 33	-	3.7	19.2	0.7	-	-	-	-	-	-	-	-	-	-	-	21.0	1203
34 - 47	-	1.1	18.4	1.6	-	-	-	-	-	-	-	-	-	-	-	0.0	2
> 48	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.9	51
TOTAL %	0.0	30.3	67.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2	1736	3833	149	0	0	0	0	0	0	0	0	0	0	0		5720

(\* < 0.05%)

STATION: 46054

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

Month: SEP

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.5	26
1 - 3	*	0.2	0.3	*	-	-	-	-	-	-	-	-	-	-	-	5.0	272
4 - 6	-	2.2	2.3	0.4	-	-	-	-	-	-	-	-	-	-	-	8.5	467
7 - 10	-	3.8	4.3	0.3	0.1	-	-	-	-	-	-	-	-	-	-	13.8	752
11 - 15	-	6.9	6.4	0.5	0.1	-	-	-	-	-	-	-	-	-	-	19.6	1074
16 - 20	-	10.7	7.9	0.9	0.1	-	-	-	-	-	-	-	-	-	-	22.9	1254
21 - 24	*	9.6	11.9	1.1	0.2	-	-	-	-	-	-	-	-	-	-	17.5	954
25 - 33	-	4.3	10.9	1.8	0.4	-	-	-	-	-	-	-	-	-	-	12.0	654
34 - 47	-	0.6	7.9	3.4	0.1	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.2	12
TOTAL %	0.0	38.4	52.2	8.5	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	2	2100	2851	463	50	0	0	0	0	0	0	0	0	0	0		5466

(\* < 0.05%)

STATION: 46054

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

Month: OCT

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.1	57
1 - 3	-	0.3	0.6	0.2	*	-	-	-	-	-	-	-	-	-	-	8.7	451
4 - 6	-	1.6	4.9	1.9	0.2	0.1	-	-	-	-	-	-	-	-	-	11.8	610
7 - 10	-	2.7	6.5	2.1	0.4	0.1	-	-	-	-	-	-	-	-	-	16.7	864
11 - 15	-	5.2	8.8	2.3	0.3	*	*	-	-	-	-	-	-	-	-	17.9	924
16 - 20	-	7.9	7.9	1.7	0.3	0.1	-	-	-	-	-	-	-	-	-	17.5	906
21 - 24	-	4.8	9.7	1.8	0.9	0.3	-	-	-	-	-	-	-	-	-	14.6	752
25 - 33	-	2.5	8.3	2.6	1.0	0.1	*	-	-	-	-	-	-	-	-	11.1	571
34 - 47	-	0.3	4.2	4.0	2.1	0.2	0.2	*	-	-	-	-	-	-	-	0.3	13
> 48	-	-	*	*	0.2	-	-	-	-	-	-	-	-	-	-	0.3	17
TOTAL %	0.0	25.4	51.2	16.7	5.6	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	1310	2644	863	289	44	13	2	0	0	0	0	0	0	0		5165

(\* < 0.05%)

STATION: 46054

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

Month: NOV

WIND SPEED	WAVE HEIGHT															TOT %	TOT N
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4		
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.9	44
1 - 3	-	0.2	0.5	0.2	-	*	-	-	-	-	-	-	-	-	-	9.8	487

4 - 6	-	2.6	6.8	2.2	0.5	*	-	-	-	-	-	-	-	-	-	12.1	601
7 - 10	-	3.4	9.2	3.3	0.8	0.3	-	-	-	-	-	-	-	-	-	16.9	844
11 - 15	-	2.4	9.8	3.4	1.2	0.3	0.1	*	-	-	-	-	-	-	-	17.2	858
16 - 20	-	1.3	9.7	6.1	2.1	0.4	0.2	*	-	-	-	-	-	-	-	19.8	986
21 - 24	*	0.2	5.4	6.0	1.8	0.2	0.1	-	-	-	-	-	-	-	-	13.7	681
25 - 33	-	-	2.5	4.4	1.9	0.4	-	-	-	-	-	-	-	-	-	9.2	461
34 - 47	-	-	-	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	5
> 48	-	*	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.4	18
TOTAL %	0.0	12.5	49.5	27.3	8.5	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2	624	2467	1363	424	87	16	2	0	0	0	0	0	0	0		4985

STATION: 46054

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

Month: DEC

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED	0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.2	71
1 - 3	-	1.3	4.3	3.2	0.4	0.1	-	-	-	-	-	-	-	-	-	-	9.3	541
4 - 6	-	2.1	6.3	4.0	0.9	0.1	*	0.1	-	-	-	-	-	-	-	-	13.5	783
7 - 10	-	2.4	7.0	4.7	1.3	0.2	0.1	0.1	*	-	-	-	-	-	-	-	15.8	919
11 - 15	-	2.7	7.0	5.0	2.3	0.4	0.1	-	*	-	-	-	-	-	-	-	17.5	1016
16 - 20	-	1.4	6.4	6.2	3.2	0.8	0.2	*	-	-	-	-	-	-	-	-	18.2	1055
21 - 24	-	0.5	4.6	5.2	2.9	1.0	0.2	*	-	-	-	-	-	-	-	-	14.4	834
25 - 33	*	*	2.2	3.7	2.8	0.9	0.1	-	-	-	-	-	-	-	-	-	9.6	558
34 - 47	-	-	*	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.2	9
> 48	-	*	*	0.1	*	-	-	*	-	-	-	-	-	-	-	-	0.2	13
TOTAL %	0.0	10.7	38.5	32.4	14.1	3.5	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	621	2230	1876	817	201	39	12	2	0	0	0	0	0	0	0		5799

STATION: 46054

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

All Months: Annual

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED	0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.7	475
1 - 3	*	1.8	3.3	1.1	0.3	*	*	*	-	-	-	-	-	-	-	-	6.5	4229
4 - 6	-	2.7	4.8	1.5	0.4	0.1	*	*	-	-	-	-	-	-	-	-	9.5	6186
7 - 10	*	4.3	6.6	2.1	0.6	0.2	*	*	*	-	-	-	-	-	-	-	13.8	8980
11 - 15	*	5.4	7.6	2.6	0.8	0.2	0.1	*	*	-	-	-	-	-	-	-	16.7	10870
16 - 20	*	4.4	10.1	3.7	1.3	0.3	0.1	*	-	-	-	-	-	-	-	-	19.8	12890
21 - 24	*	1.8	10.0	4.1	1.2	0.2	0.1	*	-	-	-	-	-	-	-	-	17.4	11323
25 - 33	*	0.3	7.3	5.3	1.7	0.3	*	*	-	-	-	-	-	-	-	-	15.0	9736
34 - 47	-	-	*	0.1	0.1	*	*	-	-	-	-	-	-	-	-	-	0.2	119
> 48	-	0.1	0.2	0.1	*	*	-	*	-	-	-	-	-	-	-	-	0.4	275
TOTAL %	0.0	21.0	50.3	20.6	6.3	1.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	17	13690	32720	13414	4119	887	201	33	2	0	0	0	0	0	0	0		65083

STATION: 46054

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

Months: DEC, JAN, FEB (Winter)

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED	0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.1	170
1 - 3	-	1.6	4.6	2.5	0.6	0.1	0.1	0.1	*	-	-	-	-	-	-	-	9.4	1495
4 - 6	-	2.4	6.4	3.4	0.9	0.3	0.1	0.1	*	-	-	-	-	-	-	-	13.5	2146
7 - 10	-	2.5	7.7	4.3	1.4	0.5	0.1	0.1	*	-	-	-	-	-	-	-	16.7	2653
11 - 15	-	2.1	7.6	5.3	2.0	0.6	0.3	*	*	-	-	-	-	-	-	-	17.9	2850
16 - 20	-	1.2	7.5	6.7	3.2	1.0	0.3	0.1	-	-	-	-	-	-	-	-	19.9	3166
21 - 24	*	0.3	4.5	5.1	2.5	0.8	0.2	*	-	-	-	-	-	-	-	-	13.4	2129
25 - 33	*	*	1.8	3.0	2.0	0.6	0.1	-	-	-	-	-	-	-	-	-	7.6	1204
34 - 47	-	-	*	0.1	0.1	*	*	-	-	-	-	-	-	-	-	-	0.2	34
> 48	-	*	0.2	0.2	0.1	*	-	*	-	-	-	-	-	-	-	-	0.5	81
TOTAL %	0.0	10.4	40.9	30.7	12.9	3.8	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2	1660	6509	4892	2055	611	168	29	2	0	0	0	0	0	0	0		15928

STATION: 46054

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.6	99
1 - 3	-	0.2	0.3	0.1	*	-	-	-	-	-	-	-	-	-	-	5.1	831
4 - 6	-	1.4	2.6	0.7	0.3	*	-	-	-	-	-	-	-	-	-	8.3	1362
7 - 10	*	2.5	4.5	1.1	0.2	*	-	-	-	-	-	-	-	-	-	12.5	2045
11 - 15	-	3.6	6.2	2.0	0.5	0.1	-	-	-	-	-	-	-	-	-	15.2	2491
16 - 20	-	3.8	7.9	2.7	0.7	0.1	-	-	-	-	-	-	-	-	-	18.9	3106
21 - 24	*	2.8	10.7	4.4	1.0	0.1	-	-	-	-	-	-	-	-	-	18.7	3069
25 - 33	*	0.8	10.7	5.9	1.3	0.1	*	-	-	-	-	-	-	-	-	20.2	3304
34 - 47	*	0.1	7.4	9.0	3.2	0.4	*	-	-	-	-	-	-	-	-	0.3	53
> 48	-	-	*	0.1	0.2	*	*	-	-	-	-	-	-	-	-	0.2	36
TOTAL %	0.0	15.3	50.4	26.0	7.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	2505	8260	4255	1228	140	4	0	0	0	0	0	0	0	0		16396

(\* < 0.05%)

STATION: 46054

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.5	79
1 - 3	-	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	4.0	693
4 - 6	-	2.0	2.0	0.1	-	-	-	-	-	-	-	-	-	-	-	5.8	1000
7 - 10	*	3.0	2.7	0.1	-	-	-	-	-	-	-	-	-	-	-	10.6	1822
11 - 15	*	5.8	4.6	0.2	-	-	-	-	-	-	-	-	-	-	-	15.6	2673
16 - 20	-	8.5	6.5	0.5	*	-	-	-	-	-	-	-	-	-	-	20.3	3472
21 - 24	-	7.8	11.4	1.0	0.1	-	-	-	-	-	-	-	-	-	-	21.8	3738
25 - 33	*	3.8	15.8	2.1	0.1	*	-	-	-	-	-	-	-	-	-	20.7	3542
34 - 47	*	0.7	14.5	5.1	0.3	*	-	-	-	-	-	-	-	-	-	0.1	13
> 48	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.6	111
TOTAL %	0.0	32.0	58.3	9.2	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	7	5491	9989	1578	73	5	0	0	0	0	0	0	0	0	0		17143

(\* < 0.05%)

STATION: 46054

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.8	127
1 - 3	*	0.2	0.5	0.1	*	*	-	-	-	-	-	-	-	-	-	7.7	1210
4 - 6	-	2.1	4.2	1.3	0.1	0.1	-	-	-	-	-	-	-	-	-	10.7	1678
7 - 10	-	3.0	5.8	1.5	0.3	*	-	-	-	-	-	-	-	-	-	15.8	2460
11 - 15	-	5.2	8.1	2.0	0.4	0.1	*	-	-	-	-	-	-	-	-	18.3	2856
16 - 20	*	7.1	8.5	2.0	0.5	0.1	*	*	-	-	-	-	-	-	-	20.1	3146
21 - 24	*	5.4	10.5	2.9	1.1	0.2	0.1	*	-	-	-	-	-	-	-	15.3	2387
25 - 33	*	2.4	8.3	3.4	1.0	0.1	*	-	-	-	-	-	-	-	-	10.8	1686
34 - 47	-	0.3	5.0	3.9	1.3	0.2	0.1	*	-	-	-	-	-	-	-	0.1	19
> 48	-	-	*	*	0.1	-	-	-	-	-	-	-	-	-	-	0.3	47
TOTAL %	0.0	25.8	51.0	17.2	4.9	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	4034	7962	2689	763	131	29	4	0	0	0	0	0	0	0		15616

(\* < 0.05%)

STATION: 46054

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

Month: JAN

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	4
4.5 - 5.4	-	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	14
5.5 - 6.4	-	0.1	0.5	*	-	-	-	-	-	-	-	-	-	-	-	0.6	34
6.5 - 7.4	-	*	1.3	0.1	-	*	-	-	-	-	-	-	-	-	-	1.5	82
7.5 - 8.4	-	0.7	2.0	0.5	0.1	*	-	-	-	-	-	-	-	-	-	3.4	187
8.5 - 9.4	-	0.5	1.1	0.3	0.1	*	-	-	-	-	-	-	-	-	-	2.1	114
9.5 - 10.4	-	0.8	2.0	0.5	0.1	*	-	-	-	-	-	-	-	-	-	3.4	188
10.5 - 11.4	-	1.7	5.9	1.7	0.4	-	-	-	-	-	-	-	-	-	-	9.7	532

11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.2	11.4	6.4	1.2	0.1	-	-	-	-	-	-	-	-	-	-	22.2	1221
13.5 - 14.4	-	2.4	10.6	13.8	4.3	0.8	0.1	-	-	-	-	-	-	-	-	-	32.0	1754
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.9	7.3	5.2	3.0	1.3	0.4	0.2	-	-	-	-	-	-	-	-	19.2	1055
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.3	2.1	1.2	0.7	0.6	0.3	*	-	-	-	-	-	-	-	-	5.2	286
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	0.1	-	-	-	-	-	-	-	-	-	-	0.3	17
TOTAL %	0.0	11.9	44.1	30.0	10.0	3.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	0	652	2420	1648	551	164	42	11	0	0	0	0	0	0	0	0		5488

(\* < 0.05%)

STATION: 46054

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

Month: FEB

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4			
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	*	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	0.2	10
5.5 - 6.4	-	0.1	0.9	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.1	53
6.5 - 7.4	-	-	0.7	0.3	*	-	-	-	-	-	-	-	-	-	-	-	1.0	47
7.5 - 8.4	-	*	1.3	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	1.9	86
8.5 - 9.4	-	0.2	0.6	0.5	0.2	*	-	-	-	-	-	-	-	-	-	-	1.5	71
9.5 - 10.4	-	0.7	1.6	0.5	0.8	*	-	-	-	-	-	-	-	-	-	-	3.6	169
10.5 - 11.4	-	1.3	5.1	1.7	1.4	0.1	*	-	-	-	-	-	-	-	-	-	9.6	446
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.0	11.2	6.0	1.5	0.6	-	-	-	-	-	-	-	-	-	-	21.2	986
13.5 - 14.4	-	3.2	10.2	13.1	5.6	1.3	0.5	-	-	-	-	-	-	-	-	-	33.9	1572
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.7	5.5	5.5	4.2	2.7	1.3	0.1	-	-	-	-	-	-	-	-	19.8	921
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	2.9	1.2	0.8	0.6	0.1	*	-	-	-	-	-	-	-	-	5.8	269
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	*	-	-	-	-	-	-	-	-	-	-	0.2	10
TOTAL %	0.0	8.3	40.1	29.5	14.8	5.3	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	387	1859	1368	687	246	87	6	0	0	0	0	0	0	0	0		4641

(\* < 0.05%)

STATION: 46054

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

Month: MAR

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0- 0.4	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	3
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	12
4.5 - 5.4	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	7
5.5 - 6.4	-	0.4	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.1	57
6.5 - 7.4	-	0.2	1.3	0.8	-	-	-	-	-	-	-	-	-	-	-	-	2.3	124
7.5 - 8.4	*	0.4	1.7	2.8	0.1	-	-	-	-	-	-	-	-	-	-	-	5.1	272
8.5 - 9.4	-	0.7	1.0	1.6	0.2	*	-	-	-	-	-	-	-	-	-	-	3.5	185
9.5 - 10.4	-	1.2	1.5	1.2	0.6	0.1	-	-	-	-	-	-	-	-	-	-	4.5	241
10.5 - 11.4	-	1.4	5.6	2.5	0.9	0.1	-	-	-	-	-	-	-	-	-	-	10.4	557
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	2.5	11.0	8.2	1.7	0.2	-	-	-	-	-	-	-	-	-	-	23.6	1261
13.5 - 14.4	-	2.4	9.9	9.7	4.3	0.3	-	-	-	-	-	-	-	-	-	-	26.5	1418
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	1.0	6.3	5.6	2.9	0.4	-	-	-	-	-	-	-	-	-	-	16.3	869



23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.0	19.4	59.4	18.2	2.5	0.5	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	1119	3426	1050	147	28	1	0	0	0	0	0	0	0	0	0		5771

(\* < 0.05%)

STATION: 46054

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

Month: JUN

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0- 0.4	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	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	13
4.5 - 5.4	-	1.2	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	131
5.5 - 6.4	-	0.9	3.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	4.9	274
6.5 - 7.4	-	0.7	6.9	0.7	*	-	-	-	-	-	-	-	-	-	-	-	8.4	470
7.5 - 8.4	-	3.9	13.0	5.9	*	-	-	-	-	-	-	-	-	-	-	-	22.9	1285
8.5 - 9.4	-	3.9	9.3	5.0	0.1	-	-	-	-	-	-	-	-	-	-	-	18.3	1028
9.5 - 10.4	-	2.9	9.4	4.3	0.4	*	-	-	-	-	-	-	-	-	-	-	17.0	954
10.5 - 11.4	-	1.6	4.9	2.2	0.4	0.1	-	-	-	-	-	-	-	-	-	-	9.2	514
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.2	1.4	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	4.3	242
13.5 - 14.4	-	3.2	0.7	0.9	0.2	-	-	-	-	-	-	-	-	-	-	-	5.0	281
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	4.0	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	6.2	349
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.8	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	69
TOTAL %	0.0	24.7	53.1	20.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	1387	2977	1171	70	5	0	0	0	0	0	0	0	0	0	0		5611

(\* < 0.05%)

STATION: 46054

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

Month: JUL

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N	
	0.0- 0.4	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	4
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
3.5 - 4.4	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	95
4.5 - 5.4	-	4.9	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	7.8	452
5.5 - 6.4	-	1.6	4.9	*	-	-	-	-	-	-	-	-	-	-	-	-	6.5	376
6.5 - 7.4	-	1.4	7.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	9.3	539
7.5 - 8.4	-	7.2	17.3	2.1	-	-	-	-	-	-	-	-	-	-	-	-	26.6	1547
8.5 - 9.4	-	9.2	9.3	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	20.2	1173
9.5 - 10.4	-	5.6	6.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	12.3	712
10.5 - 11.4	-	2.1	1.6	*	-	-	-	-	-	-	-	-	-	-	-	-	3.8	220
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.2	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	120
13.5 - 14.4	-	2.8	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	220
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	3.0	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	311
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	40
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.1	40.7	54.7	4.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	2368	3179	258	3	0	0	0	0	0	0	0	0	0	0	0		5812

(\* < 0.05%)

STATION: 46054

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

Month: AUG

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4			>13.4
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	1.0	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1.1	62
4.5 - 5.4	-	2.8	4.7	-	-	-	-	-	-	-	-	-	-	-	-	7.4	426
5.5 - 6.4	-	1.2	6.5	*	-	-	-	-	-	-	-	-	-	-	-	7.7	440
6.5 - 7.4	-	2.8	11.9	0.3	-	-	-	-	-	-	-	-	-	-	-	15.1	862
7.5 - 8.4	-	6.6	22.6	1.2	-	-	-	-	-	-	-	-	-	-	-	30.5	1742
8.5 - 9.4	-	4.4	10.1	0.4	-	-	-	-	-	-	-	-	-	-	-	14.9	851
9.5 - 10.4	-	3.4	5.3	0.3	-	-	-	-	-	-	-	-	-	-	-	9.0	516
10.5 - 11.4	-	2.0	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	3.5	199
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	1.1	0.6	*	-	-	-	-	-	-	-	-	-	-	-	1.7	96
13.5 - 14.4	-	2.3	0.9	0.2	-	-	-	-	-	-	-	-	-	-	-	3.3	190
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	2.7	2.6	*	-	-	-	-	-	-	-	-	-	-	-	5.3	303
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.2	0.3	-	-	-	-	-	-	-	-	-	-	-	-	0.5	31
TOTAL %	0.0	30.3	67.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2	1736	3833	149	0	0	0	0	0	0	0	0	0	0	0		5720

(\* < 0.05%)

STATION: 46054

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	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.4	*	-	-	-	-	-	-	-	-	-	-	-	-	0.5	25
4.5 - 5.4	-	3.2	2.0	-	-	-	-	-	-	-	-	-	-	-	-	5.2	283
5.5 - 6.4	-	1.6	3.7	*	-	-	-	-	-	-	-	-	-	-	-	5.3	291
6.5 - 7.4	-	1.7	5.0	0.4	-	-	-	-	-	-	-	-	-	-	-	7.2	393
7.5 - 8.4	-	3.6	8.4	1.7	-	-	-	-	-	-	-	-	-	-	-	13.7	748
8.5 - 9.4	-	4.6	4.5	0.9	-	-	-	-	-	-	-	-	-	-	-	10.0	546
9.5 - 10.4	-	6.0	6.8	0.7	-	-	-	-	-	-	-	-	-	-	-	13.4	735
10.5 - 11.4	-	5.2	5.4	0.6	-	-	-	-	-	-	-	-	-	-	-	11.2	613
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	3.2	6.9	1.0	*	-	-	-	-	-	-	-	-	-	-	11.1	609
13.5 - 14.4	-	4.3	4.9	1.7	0.3	-	-	-	-	-	-	-	-	-	-	11.1	609
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	4.0	3.9	1.2	0.5	-	-	-	-	-	-	-	-	-	-	9.6	527
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.5	0.6	0.3	0.1	-	-	-	-	-	-	-	-	-	-	1.5	83
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	38.4	52.2	8.5	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	2	2100	2851	463	50	0	0	0	0	0	0	0	0	0	0		5466

(\* < 0.05%)

STATION: 46054

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

Month: OCT

WAVE PERIOD	WAVE HEIGHT														TOT %	TOT N	
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4			>13.4
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	24
4.5 - 5.4	-	1.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	2.2	116
5.5 - 6.4	-	1.0	1.9	*	-	-	-	-	-	-	-	-	-	-	-	2.9	151















15.5 - 16.4	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.1	4
16.5 - 17.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	12.5	49.5	27.3	8.5	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	2	624	2467	1363	424	87	16	2	0	0	0	0	0	0	0		4985

(\* < 0.05%)

STATION: 46054

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

Month: DEC

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	1.3	1.4	-	-	-	-	-	-	-	-	-	-	-	-	2.6	153
5.5 - 6.4	-	2.2	6.6	0.6	*	-	-	-	-	-	-	-	-	-	-	9.4	548
6.5 - 7.4	-	2.4	6.1	4.7	0.6	-	-	-	-	-	-	-	-	-	-	13.9	807
7.5 - 8.4	-	1.7	6.6	7.9	2.4	0.2	-	-	-	-	-	-	-	-	-	18.8	1088
8.5 - 9.4	-	1.2	7.3	7.0	4.8	1.2	*	-	-	-	-	-	-	-	-	21.4	1243
9.5 - 10.4	-	1.1	4.9	4.7	2.8	1.0	0.1	-	-	-	-	-	-	-	-	14.4	837
10.5 - 11.4	-	0.7	3.6	3.8	1.8	0.6	0.2	*	-	-	-	-	-	-	-	10.8	626
11.5 - 12.4	-	0.1	1.5	2.0	0.7	0.4	0.3	0.1	*	-	-	-	-	-	-	5.1	295
12.5 - 13.4	-	-	0.4	0.9	0.7	0.1	*	0.1	-	-	-	-	-	-	-	2.3	132
13.5 - 14.4	-	-	0.1	0.6	0.2	*	-	-	-	-	-	-	-	-	-	0.8	49
14.5 - 15.4	-	-	*	0.1	0.1	*	-	-	-	-	-	-	-	-	-	0.3	15
15.5 - 16.4	-	-	-	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	5
TOTAL %	0.0	10.7	38.5	32.4	14.1	3.5	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1	621	2230	1876	817	201	39	12	2	0	0	0	0	0	0		5799

(\* < 0.05%)

STATION: 46054

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

All Months: Annual

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	16
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	-	0.3	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	215
4.5 - 5.4	-	4.8	7.0	*	-	-	-	-	-	-	-	-	-	-	-	11.8	7674
5.5 - 6.4	*	5.3	15.5	2.6	*	-	-	-	-	-	-	-	-	-	-	23.3	15175
6.5 - 7.4	-	5.0	10.6	5.7	0.6	*	-	-	-	-	-	-	-	-	-	21.9	14277
7.5 - 8.4	-	3.4	8.2	4.6	1.6	0.1	*	-	-	-	-	-	-	-	-	18.0	11722
8.5 - 9.4	-	1.5	4.9	3.6	1.6	0.3	*	-	-	-	-	-	-	-	-	11.8	7679
9.5 - 10.4	-	0.5	2.3	2.1	1.2	0.4	*	-	-	-	-	-	-	-	-	6.5	4213
10.5 - 11.4	-	0.2	1.1	1.2	0.7	0.3	0.1	*	-	-	-	-	-	-	-	3.6	2350
11.5 - 12.4	-	*	0.5	0.6	0.3	0.1	0.1	*	*	-	-	-	-	-	-	1.6	1047
12.5 - 13.4	-	*	0.2	0.2	0.2	0.1	*	*	-	-	-	-	-	-	-	0.7	483
13.5 - 14.4	-	-	0.1	0.1	0.1	*	*	*	-	-	-	-	-	-	-	0.3	164
14.5 - 15.4	-	*	*	*	*	*	*	*	-	-	-	-	-	-	-	0.1	47
15.5 - 16.4	-	-	-	*	*	*	*	*	-	-	-	-	-	-	-	0.0	17
16.5 - 17.4	-	-	-	-	*	-	*	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.0	21.0	50.3	20.6	6.3	1.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	17	13690	32720	13414	4119	887	201	33	2	0	0	0	0	0	0		65083

(\* < 0.05%)

STATION: 46054

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	WAVE HEIGHT															TOT %	TOT N
	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4		
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
4.5 - 5.4	-	0.9	0.9	-	-	-	-	-	-	-	-	-	-	-	-	1.8	280
5.5 - 6.4	-	1.7	6.2	0.7	*	-	-	-	-	-	-	-	-	-	-	8.5	1359
6.5 - 7.4	-	2.0	8.0	4.7	0.6	*	-	-	-	-	-	-	-	-	-	15.3	2432



11.5 - 12.4	-	-	0.5	0.4	0.3	0.1	*	-	-	-	-	-	-	-	-	1.3	203
12.5 - 13.4	-	-	0.1	0.1	0.1	0.1	*	-	-	-	-	-	-	-	-	0.5	76
13.5 - 14.4	-	-	-	*	*	*	*	*	-	-	-	-	-	-	-	0.2	25
14.5 - 15.4	-	-	*	*	*	*	*	*	-	-	-	-	-	-	-	0.0	7
15.5 - 16.4	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.0	4
16.5 - 17.4	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.0	25.8	51.0	17.2	4.9	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	4	4034	7962	2689	763	131	29	4	0	0	0	0	0	0	0		15616

(\* < 0.05%)

STATION: 46054

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

Month: JAN

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	0.1	-	-	0.1	1
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.4	-	-	0.4	5
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	0.9	-	-	0.9	13
6.5 - 7.4	-	-	-	-	-	0.1	-	-	-	-	0.8	-	-	0.9	12
7.5 - 8.4	-	-	-	-	-	-	0.1	0.1	0.1	1.2	1.0	-	-	2.4	34
8.5 - 9.4	-	-	-	-	-	-	-	-	0.1	0.6	1.5	-	-	2.3	32
9.5 - 10.4	-	-	-	-	-	-	-	-	0.1	1.0	2.1	-	-	3.3	46
10.5 - 11.4	-	-	-	-	-	-	-	-	-	3.6	6.8	-	-	10.4	147
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	11.0	10.6	-	-	21.6	305
13.5 - 14.4	-	-	-	-	-	-	-	-	-	18.0	12.4	-	-	30.4	428
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	12.3	10.4	-	-	22.6	319
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	1.8	2.7	-	-	4.5	63
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	-	-	-	-	-	-	-	-	-	-	0.3	-	-	0.3	4
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4	49.5	50.0	0.0	100.0		
TOTAL N	0	0	0	0	0	1	1	1	5	697	704	0			1409

(\* < 0.05%)

STATION: 46054

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

Month: FEB

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	-	-	0.2	0.3	0.1	-	-	-	-	0.2	-	-	0.7	8
5.5 - 6.4	-	-	-	0.3	0.2	-	0.1	0.1	-	-	2.8	-	-	3.5	38
6.5 - 7.4	-	-	-	0.4	-	-	0.1	-	0.2	0.1	1.2	-	-	1.9	21
7.5 - 8.4	-	-	-	-	-	-	-	0.9	1.0	0.4	1.7	-	-	4.0	44
8.5 - 9.4	-	-	-	-	-	-	-	-	0.8	0.3	0.8	-	-	1.9	21
9.5 - 10.4	-	-	-	-	-	-	-	-	0.3	1.8	4.1	-	-	6.2	68
10.5 - 11.4	-	-	-	-	-	-	-	-	0.7	8.4	8.1	-	-	17.2	189
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	0.1	0.8	14.5	5.7	-	-	21.1	232
13.5 - 14.4	-	-	-	-	-	-	-	3.6	0.3	16.7	9.1	-	-	29.6	325
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	0.5	-	5.8	4.4	-	-	10.8	118
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	0.4	2.6	-	-	3.0	33
TOTAL %	0.0	0.0	0.0	0.8	0.5	0.1	0.2	5.2	4.1	48.3	40.8	0.0	100.0		
TOTAL N	0	0	0	9	5	1	2	57	45	530	448	0			1097

(\* < 0.05%)





3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	1.4	-	1.4	19
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	3.0	0.1	3.1	42
5.5 - 6.4	-	-	-	-	-	-	-	-	-	0.1	7.7	0.1	7.8	106
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.4	18.7	0.1	19.2	260
7.5 - 8.4	-	-	-	-	-	-	-	-	-	0.4	40.8	-	41.2	558
8.5 - 9.4	-	-	-	-	-	-	-	-	-	0.3	15.4	-	15.7	212
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	8.9	-	8.9	121
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	2.1	-	2.1	28
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	-	-	-	-	-	-	0.1	-	-	-	-	0.1	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	0.5	-	-	-	-	0.5	7
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.2	98.0	0.2	100.0	
TOTAL N	0	0	0	0	0	0	0	8	0	16	1327	3		1354

(\* < 0.05%)

STATION: 46054

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

Month: SEP

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	0.2	0.2	0.3	4	
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	4.5	0.4	4.9	65	
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	6.9	0.4	7.3	96	
6.5 - 7.4	-	-	-	-	-	-	-	-	0.3	11.2	-	-	11.5	152	
7.5 - 8.4	-	-	-	-	-	-	-	-	0.7	19.9	-	-	20.6	272	
8.5 - 9.4	-	-	-	-	-	-	-	-	0.5	6.0	-	-	6.4	85	
9.5 - 10.4	-	-	-	-	-	-	-	-	1.7	7.4	-	-	9.1	120	
10.5 - 11.4	-	-	-	-	-	-	-	-	2.6	9.5	-	-	12.0	159	
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
12.5 - 13.4	-	-	-	-	-	-	-	0.1	4.7	6.1	-	-	10.9	144	
13.5 - 14.4	-	-	-	-	-	-	-	0.8	3.9	4.2	-	-	8.9	117	
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
16.5 - 17.4	-	-	-	-	-	-	-	1.1	1.1	0.9	3.3	-	6.4	85	
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
19.5 - 20.4	-	-	-	-	-	-	-	-	-	-	1.6	-	1.6	21	
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0	15.2	80.9	0.9	100.0		
TOTAL N	0	0	0	0	0	0	0	14	26	200	1068	12		1320	

(\* < 0.05%)

STATION: 46054

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

Month: OCT

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	1	
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.4	0.1	0.5	7	
5.5 - 6.4	-	-	-	-	-	-	-	-	0.1	3.4	-	-	3.5	50	
6.5 - 7.4	-	-	-	-	-	-	-	-	0.2	6.1	0.1	-	6.4	91	
7.5 - 8.4	-	-	-	-	-	-	-	-	-	7.4	0.3	-	7.7	109	
8.5 - 9.4	-	-	-	-	-	-	-	-	0.4	10.2	0.1	-	10.6	151	
9.5 - 10.4	-	-	-	-	-	-	-	-	0.4	13.0	0.1	-	13.4	190	
10.5 - 11.4	-	-	-	-	-	-	-	-	1.1	18.2	0.1	-	19.4	275	
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
12.5 - 13.4	-	-	-	-	-	-	-	0.1	2.7	17.2	-	-	20.0	283	
13.5 - 14.4	-	-	-	-	-	-	-	0.6	0.6	2.0	11.1	-	14.4	204	
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
16.5 - 17.4	-	-	-	-	-	-	-	0.1	0.2	0.8	2.5	-	3.5	50	
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
19.5 - 20.4	-	-	-	-	-	-	-	-	-	-	0.4	0.1	0.5	7	
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	7.7	89.9	0.8	100.0		
TOTAL N	0	0	0	0	0	0	0	10	12	109	1275	12		1418	

(\* < 0.05%)

STATION: 46054

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

Month: NOV

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.4	-	-	0.4	6
5.5 - 6.4	-	-	-	-	-	-	-	-	0.1	3.9	-	-	4.0	56
6.5 - 7.4	-	-	-	-	-	-	-	-	-	3.7	-	-	3.7	52
7.5 - 8.4	-	-	-	-	-	-	-	-	0.1	3.3	-	-	3.4	48
8.5 - 9.4	-	-	-	-	-	-	-	-	0.5	6.8	-	-	7.3	102
9.5 - 10.4	-	-	-	-	-	-	-	-	1.1	11.1	-	-	12.2	170
10.5 - 11.4	-	-	-	-	-	-	-	-	2.4	15.4	-	-	17.8	249
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	3.7	20.9	0.1	-	24.7	345
13.5 - 14.4	-	-	-	-	-	-	-	-	0.1	1.8	17.3	0.1	19.3	269
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	0.1	0.2	1.1	5.3	-	6.7	93
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	0.4	-	-	0.4	5
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	10.8	88.6	0.2	100.0	
TOTAL N	0	0	0	0	0	0	0	1	4	151	1236	3		1395

(\* < 0.05%)

STATION: 46054

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

Month: DEC

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
4.5 - 5.4	-	-	-	-	-	-	-	-	0.1	0.3	-	-	0.3	5
5.5 - 6.4	-	-	-	-	-	-	-	-	0.1	4.3	0.1	-	4.4	64
6.5 - 7.4	-	-	-	-	-	-	-	-	0.1	2.0	-	-	2.1	30
7.5 - 8.4	-	-	-	-	-	-	-	-	-	0.7	-	-	0.7	10
8.5 - 9.4	-	-	-	-	-	-	-	-	0.2	1.2	-	-	1.4	20
9.5 - 10.4	-	-	-	-	-	-	-	-	0.8	3.5	-	-	4.3	63
10.5 - 11.4	-	-	-	-	-	-	-	-	2.3	8.6	-	-	10.9	158
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	7.0	16.3	-	-	23.3	338
13.5 - 14.4	-	-	-	-	-	-	-	-	-	11.4	19.0	-	30.4	441
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	5.9	11.0	-	-	16.9	245
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
20.5 - 21.4	-	-	-	-	-	-	-	-	2.0	3.1	-	-	5.1	74
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	2
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9	70.0	0.1	100.0	
TOTAL N	0	0	0	0	0	0	0	0	0	434	1015	1		1450

(\* < 0.05%)

STATION: 46054

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

All Months: Annual

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	*	-	0.0	2
3.5 - 4.4	-	-	-	-	-	-	-	-	-	0.4	0.1	-	0.5	77

4.5 - 5.4	-	-	-	*	*	*	-	-	*	*	1.9	0.1	2.1	336
5.5 - 6.4	-	-	-	*	*	-	*	*	*	0.2	4.7	0.1	5.0	813
6.5 - 7.4	-	-	-	*	-	*	*	-	*	0.2	7.2	*	7.5	1216
7.5 - 8.4	-	-	-	-	-	-	*	0.1	0.1	0.4	12.3	0.1	12.9	2085
8.5 - 9.4	-	-	-	-	-	-	-	-	0.1	0.5	7.3	0.1	8.0	1287
9.5 - 10.4	-	-	-	-	-	-	-	-	*	1.0	8.4	0.3	9.6	1555
10.5 - 11.4	-	-	-	-	-	-	-	-	0.1	2.1	9.9	*	12.0	1941
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	0.2	0.2	5.1	10.9	*	16.4	2652
13.5 - 14.4	-	-	-	-	-	-	-	1.1	0.5	6.3	9.0	*	17.0	2740
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	0.6	0.2	2.7	4.0	-	7.5	1208
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	*	*	0.4	1.0	*	1.5	237
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	6
TOTAL %	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.1	1.2	18.8	77.0	0.8	100.0	
TOTAL N	0	0	0	9	5	2	3	334	198	3038	12434	132		16155

(\* < 0.05%)

STATION: 46054

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

Months: DEC, JAN, FEB (Winter)

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
4.5 - 5.4	-	-	-	0.1	0.1	*	-	-	*	0.3	-	-	0.5	18
5.5 - 6.4	-	-	-	0.1	0.1	-	*	*	*	2.7	*	-	2.9	115
6.5 - 7.4	-	-	-	0.1	-	*	*	-	0.1	0.1	1.3	-	1.6	63
7.5 - 8.4	-	-	-	-	-	-	*	0.3	0.3	0.5	1.1	-	2.2	88
8.5 - 9.4	-	-	-	-	-	-	-	-	0.3	0.4	1.2	-	1.8	73
9.5 - 10.4	-	-	-	-	-	-	-	-	0.1	1.2	3.2	-	4.5	177
10.5 - 11.4	-	-	-	-	-	-	-	-	0.2	4.4	7.8	-	12.5	494
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	*	0.2	10.5	11.3	-	22.1	875
13.5 - 14.4	-	-	-	-	-	-	-	1.0	0.1	15.2	13.9	-	30.2	1194
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	0.2	-	8.1	8.9	-	17.2	682
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	1.5	2.8	-	4.3	170
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	-	0.2	6
TOTAL %	0.0	0.0	0.0	0.2	0.1	0.1	0.1	1.5	1.3	42.0	54.8	0.0	100.0	
TOTAL N	0	0	0	9	5	2	3	58	50	1661	2167	1		3956

(\* < 0.05%)

STATION: 46054

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

Months: MAR, APR, MAY (Spring)

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	*	*	0.1	2
4.5 - 5.4	-	-	-	-	-	-	-	-	0.1	0.1	1.0	0.2	1.2	48
5.5 - 6.4	-	-	-	-	-	-	-	-	0.2	0.2	3.3	0.1	3.8	150
6.5 - 7.4	-	-	-	-	-	-	-	-	0.1	0.3	6.1	0.1	6.6	262
7.5 - 8.4	-	-	-	-	-	-	-	-	*	0.3	8.1	0.3	8.7	344
8.5 - 9.4	-	-	-	-	-	-	-	-	*	0.7	4.4	0.5	5.5	218
9.5 - 10.4	-	-	-	-	-	-	-	-	0.1	1.2	9.5	0.9	11.6	462
10.5 - 11.4	-	-	-	-	-	-	-	-	0.1	1.5	12.2	*	13.8	548
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	0.2	0.3	5.6	15.1	-	21.2	842



0.5 - 1.4	-	-	-	-	-	-	-	-	-	7.5	10.4	-	17.8	251
1.5 - 2.4	-	-	-	-	-	-	-	-	0.1	15.7	20.6	-	36.3	512
2.5 - 3.4	-	-	-	-	-	-	-	-	-	12.2	14.3	-	26.5	373
3.5 - 4.4	-	-	-	-	-	-	0.1	-	0.1	10.2	4.0	-	14.4	203
4.5 - 5.4	-	-	-	-	-	0.1	-	0.1	0.1	3.5	0.8	-	4.5	64
5.5 - 6.4	-	-	-	-	-	-	-	-	-	0.4	-	-	0.4	5
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.1	-	-	0.1	1
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4	49.5	50.0	0.0	100.0	
TOTAL N	0	0	0	0	0	1	1	1	5	697	704	0		1409

(\* < 0.05%)

STATION: 46054

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

Month: FEB

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	0.1	-	0.1	4.3	1.9	8.8	6.4	-	21.5	236
1.5 - 2.4	-	-	-	0.3	0.1	0.1	-	0.5	0.5	29.2	25.7	-	56.2	617
2.5 - 3.4	-	-	-	0.5	0.3	-	0.1	0.5	1.6	7.8	7.7	-	18.6	204
3.5 - 4.4	-	-	-	-	-	-	-	-	0.1	2.6	1.0	-	3.6	40
TOTAL %	0.0	0.0	0.0	0.8	0.5	0.1	0.2	5.2	4.1	48.3	40.8	0.0	100.0	
TOTAL N	0	0	0	9	5	1	2	57	45	530	448	0		1097

(\* < 0.05%)

STATION: 46054

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

Month: MAR

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	1
0.5 - 1.4	-	-	-	-	-	-	-	1.0	1.2	10.3	10.0	0.2	22.7	243
1.5 - 2.4	-	-	-	-	-	-	-	1.3	1.6	15.4	25.2	0.5	44.0	471
2.5 - 3.4	-	-	-	-	-	-	-	-	0.1	4.1	18.1	0.4	22.7	243
3.5 - 4.4	-	-	-	-	-	-	-	-	0.1	4.5	4.9	-	9.4	101
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.3	0.8	-	1.1	12
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.0	34.5	59.1	1.0	100.0	
TOTAL N	0	0	0	0	0	0	0	25	32	370	633	11		1071

(\* < 0.05%)

STATION: 46054

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

Month: APR

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	0.1	1.8	8.2	10.5	-	20.6	303
1.5 - 2.4	-	-	-	-	-	-	-	0.1	0.1	3.7	42.8	0.5	47.1	693
2.5 - 3.4	-	-	-	-	-	-	-	-	-	2.0	21.5	0.1	23.7	348
3.5 - 4.4	-	-	-	-	-	-	-	-	-	0.1	6.6	-	6.7	98
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	1.8	-	1.8	27
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	1
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9	14.0	83.3	0.6	100.0	
TOTAL N	0	0	0	0	0	0	0	2	28	206	1225	9		1470

(\* < 0.05%)

STATION: 46054

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

Month: MAY

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	3.9	0.2	3.4	8.7	0.4	16.6	237
1.5 - 2.4	-	-	-	-	-	-	-	1.1	1.2	9.5	50.7	3.6	65.9	941
2.5 - 3.4	-	-	-	-	-	-	-	-	-	0.8	16.0	0.2	17.0	243
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	0.4	-	0.4	6
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.4	13.7	75.8	4.1	100.0	
TOTAL N	0	0	0	0	0	0	0	71	20	195	1082	59		1427

(\* < 0.05%)

STATION: 46054

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

Month: JUN

WAVE HEIGHT	MEAN WAVE DIRECTION											TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31			32-34
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	3.3	0.9	2.1	12.0	0.3	18.6	258
1.5 - 2.4	-	-	-	-	-	-	-	1.4	-	0.9	47.4	0.4	50.1	695
2.5 - 3.4	-	-	-	-	-	-	-	-	-	0.6	26.7	-	27.3	379
3.5 - 4.4	-	-	-	-	-	-	-	-	-	0.3	3.3	-	3.6	50
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.4	-	0.4	5
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.9	4.0	89.7	0.6	100.0	
TOTAL N	0	0	0	0	0	0	0	66	13	55	1244	9		1387

(\* < 0.05%)

STATION: 46054

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

Month: JUL

WAVE HEIGHT	MEAN WAVE DIRECTION											TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31			32-34
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	5.5	1.0	3.5	29.2	0.6	39.7	539
1.5 - 2.4	-	-	-	-	-	-	-	0.3	-	2.1	55.3	0.4	58.1	788
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	2.2	-	2.2	30
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.0	5.5	86.7	1.0	100.0	
TOTAL N	0	0	0	0	0	0	0	79	13	75	1177	13		1357

(\* < 0.05%)

STATION: 46054

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

Month: AUG

WAVE HEIGHT	MEAN WAVE DIRECTION											TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31			32-34
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	0.4	-	0.1	16.9	-	17.4	236
1.5 - 2.4	-	-	-	-	-	-	-	0.2	-	1.0	77.6	0.2	79.1	1071
2.5 - 3.4	-	-	-	-	-	-	-	-	-	-	3.5	-	3.5	47
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.2	98.0	0.2	100.0	
TOTAL N	0	0	0	0	0	0	0	8	0	16	1327	3		1354

(\* < 0.05%)

STATION: 46054

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

Month: SEP

WAVE HEIGHT	MEAN WAVE DIRECTION											TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31			32-34
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	1.0	1.3	10.3	24.8	0.5	38.0	501
1.5 - 2.4	-	-	-	-	-	-	-	0.1	0.7	4.6	42.0	0.4	47.7	630
2.5 - 3.4	-	-	-	-	-	-	-	-	-	0.2	12.7	-	13.0	171
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	1.4	-	1.4	18
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0	15.2	80.9	0.9	100.0	
TOTAL N	0	0	0	0	0	0	0	14	26	200	1068	12		1320

(\* < 0.05%)

STATION: 46054

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

Month: OCT

WAVE HEIGHT	MEAN WAVE DIRECTION											TOT %	TOT N	
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31			32-34
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	0.6	0.3	4.3	20.0	0.7	25.8	366
1.5 - 2.4	-	-	-	-	-	-	-	0.1	0.6	3.3	51.2	0.1	55.4	785
2.5 - 3.4	-	-	-	-	-	-	-	-	-	0.1	14.7	-	14.7	209
3.5 - 4.4	-	-	-	-	-	-	-	-	-	-	3.9	-	3.9	56
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	2
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	7.7	89.9	0.8	100.0	
TOTAL N	0	0	0	0	0	0	0	10	12	109	1275	12		1418

(\* < 0.05%)

STATION: 46054

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

Month: NOV

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	0.1	0.3	4.7	12.8	0.1	17.9	250
1.5 - 2.4	-	-	-	-	-	-	-	-	-	4.2	47.7	-	52.0	725
2.5 - 3.4	-	-	-	-	-	-	-	-	-	1.8	20.6	-	22.4	313
3.5 - 4.4	-	-	-	-	-	-	-	-	-	0.1	5.7	0.1	6.0	84
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	1.6	-	1.6	23
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	10.8	88.6	0.2	100.0	
TOTAL N	0	0	0	0	0	0	0	1	4	151	1236	3		1395

(\* < 0.05%)

STATION: 46054

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

Month: DEC

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	3.6	5.2	-	8.8	128
1.5 - 2.4	-	-	-	-	-	-	-	-	-	4.3	30.1	0.1	34.5	500
2.5 - 3.4	-	-	-	-	-	-	-	-	-	10.7	22.2	-	32.9	477
3.5 - 4.4	-	-	-	-	-	-	-	-	-	7.6	10.9	-	18.5	268
4.5 - 5.4	-	-	-	-	-	-	-	-	-	2.3	1.1	-	3.4	50
5.5 - 6.4	-	-	-	-	-	-	-	-	-	0.5	0.5	-	1.0	14
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.8	-	-	0.8	11
7.5 - 8.4	-	-	-	-	-	-	-	-	-	0.1	-	-	0.1	2
TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9	70.0	0.1	100.0	
TOTAL N	0	0	0	0	0	0	0	0	0	434	1015	1		1450

(\* < 0.05%)

STATION: 46054

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

All Months: Annual

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
0.5 - 1.4	-	-	-	-	*	-	*	1.6	0.7	5.4	14.0	0.2	22.0	3548
1.5 - 2.4	-	-	-	*	*	*	-	0.4	0.4	7.3	43.5	0.5	52.2	8428
2.5 - 3.4	-	-	-	*	*	-	*	*	0.1	3.3	15.2	0.1	18.8	3037
3.5 - 4.4	-	-	-	-	-	-	*	-	*	2.1	3.6	*	5.7	924
4.5 - 5.4	-	-	-	-	-	*	-	*	*	0.5	0.6	-	1.1	183
5.5 - 6.4	-	-	-	-	-	-	-	-	-	0.1	*	-	0.1	20
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.1	-	-	0.1	12
7.5 - 8.4	-	-	-	-	-	-	-	-	-	*	-	-	0.0	2
TOTAL %	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.1	1.2	18.8	77.0	0.8	100.0	
TOTAL N	0	0	0	9	5	2	3	334	198	3038	12434	132		16155

(\* < 0.05%)

STATION: 46054

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

Months: DEC, JAN, FEB (Winter)

WAVE HEIGHT	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	*	-	*	1.2	0.5	6.4	7.4	-	15.5	615
1.5 - 2.4	-	-	-	0.1	*	*	-	0.1	0.2	15.3	25.5	*	41.2	1629
2.5 - 3.4	-	-	-	0.2	0.1	-	*	0.1	0.5	10.4	15.4	-	26.6	1054
3.5 - 4.4	-	-	-	-	-	-	*	-	0.1	7.1	5.7	-	12.9	511
4.5 - 5.4	-	-	-	-	-	*	-	*	0.1	2.1	0.7	-	2.9	114
5.5 - 6.4	-	-	-	-	-	-	-	-	-	0.3	0.2	-	0.5	19
6.5 - 7.4	-	-	-	-	-	-	-	-	-	0.3	-	-	0.3	12
7.5 - 8.4	-	-	-	-	-	-	-	-	-	0.1	-	-	0.1	2
TOTAL %	0.0	0.0	0.0	0.2	0.1	0.1	0.1	1.5	1.3	42.0	54.8	0.0	100.0	
TOTAL N	0	0	0	9	5	2	3	58	50	1661	2167	1		3956

(\* < 0.05%)

STATION: 46054

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

Months: MAR, APR, MAY (Spring)

MEAN WAVE DIRECTION

WAVE HEIGHT	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	1.7	1.1	7.0	9.7	0.2	19.7	783
1.5 - 2.4	-	-	-	-	-	-	-	0.8	0.9	8.9	40.9	1.6	53.0	2105
2.5 - 3.4	-	-	-	-	-	-	-	-	*	2.1	18.6	0.2	21.0	834
3.5 - 4.4	-	-	-	-	-	-	-	-	*	1.2	3.9	-	5.2	205
4.5 - 5.4	-	-	-	-	-	-	-	-	-	0.1	0.9	-	1.0	39
5.5 - 6.4	-	-	-	-	-	-	-	-	-	-	*	-	0.0	1

TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.0	19.4	74.1	2.0	100.0	
TOTAL N	0	0	0	0	0	0	0	98	80	771	2940	79		3968

(\* < 0.05%)

STATION: 46054

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

Months: JUN, JUL, AUG (Summer)

MEAN WAVE DIRECTION

WAVE HEIGHT	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	3.1	0.6	1.9	19.3	0.3	25.2	1033
1.5 - 2.4	-	-	-	-	-	-	-	0.7	-	1.3	60.0	0.3	62.3	2554
2.5 - 3.4	-	-	-	-	-	-	-	-	-	0.2	10.9	-	11.1	456
3.5 - 4.4	-	-	-	-	-	-	-	-	-	0.1	1.1	-	1.2	50
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	5

TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.6	3.6	91.5	0.6	100.0	
TOTAL N	0	0	0	0	0	0	0	153	26	146	3748	25		4098

(\* < 0.05%)

STATION: 46054

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

Months: SEP, OCT, NOV (Autumn)

MEAN WAVE DIRECTION

WAVE HEIGHT	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	0.5	0.6	6.3	19.1	0.4	27.0	1117
1.5 - 2.4	-	-	-	-	-	-	-	0.1	0.4	4.0	47.1	0.2	51.8	2140
2.5 - 3.4	-	-	-	-	-	-	-	-	-	0.7	16.1	-	16.8	693
3.5 - 4.4	-	-	-	-	-	-	-	-	-	*	3.7	*	3.8	158
4.5 - 5.4	-	-	-	-	-	-	-	-	-	-	0.6	-	0.6	25

TOTAL %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	11.1	86.6	0.7	100.0	
TOTAL N	0	0	0	0	0	0	0	25	42	460	3579	27		4133

(\* < 0.05%)

Summary complete: 09-Sep-2003 06:07:11