

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (5/1990 - 12/2001) (83899 RECORDS, 99.0% HAVE ELEMENT)

STATION: 42020

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (5/1990 - 12/2001) (59017 RECORDS, 69.6% 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
36	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	1	#
35	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	1	999
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
33	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	1	999
32	-	-	-	-	-	-	-	-	-	-	1	#	6	999	6	#	2	#	-	-	-	-	-	-	15	999
31	-	-	-	-	-	-	-	-	1	#	31	999	30	998	95	999	17	999	-	-	-	-	-	-	174	999
30	-	-	-	-	-	-	-	-	2	999	172	994	256	993	875	981	257	996	10	#	-	-	-	-	1572	997
29	-	-	-	-	-	-	-	-	7	999	1327	964	2518	943	3357	819	3656	945	302	997	-	-	-	-	11167	970
28	-	-	-	-	-	-	-	-	120	998	2329	727	2254	460	1042	197	1066	213	969	912	-	-	-	-	7780	781
27	-	-	-	-	-	-	-	-	755	975	1600	311	126	27	18	3	-	-	1263	640	-	-	-	-	3762	649
26	-	-	-	-	-	-	2	#	1184	832	135	25	14	3	-	-	-	-	828	285	353	#	-	-	2516	585
25	-	-	-	-	-	-	69	999	1892	607	6	1	-	-	-	-	-	-	185	52	1319	897	5	#	3476	543
24	-	-	-	-	-	-	772	986	1020	248	-	-	-	-	-	-	-	-	-	-	940	514	663	999	3395	484
23	51	#	86	#	87	#	1092	831	200	54	-	-	-	-	-	-	-	-	-	-	696	240	2482	882	4694	426
22	1079	990	464	982	496	983	1320	611	83	16	-	-	-	-	-	-	-	-	-	-	116	38	2074	443	5632	347
21	2783	781	1200	882	1428	886	1312	346	-	-	-	-	-	-	-	-	-	-	-	-	13	4	371	76	7107	251
20	1119	240	2094	625	2054	606	405	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	10	5719	131
19	114	23	624	177	795	204	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	2	1548	34
18	5	1	198	43	249	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	452	8
17	-	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	*
MEAN	20.9		20.3		20.3		22.1		25.2		28.0		28.6		29.0		28.8		27.1		24.3		22.5		24.8	

S.D.	0.7	1.0	1.0	1.2	1.2	0.9	0.6	0.6	0.5	1.0	1.0	0.7	3.5
TOTAL	5151	4671	5109	4977	5264	5601	5207	5393	4998	3557	3437	5652	59017
MAX	22.8	23.3	23.3	25.8	30.5	32.0	36.0	31.7	31.8	29.7	26.1	24.5	36.0
DATE	1993012417	1993021110	1993032522	1991042521	1991052621	1991061921	2000070719	1992081023	1994090620	1998100122	1998112420	1998120207	2000070719
MIN	18.3	17.4	17.5	19.1	21.5	25.3	25.7	26.7	27.5	25.0	21.4	18.5	17.4
DATE	2001012919	1994021611	1998031514	1991040315	1998050116	1993060114	1992071510	1999082217	1991093011	2001103117	1997112818	1992123010	1994021611

(* < 0.05% , # = 100.0%)

STATION: 42020

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (5/1990 - 12/2001) (58997 RECORDS, 69.6% 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
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
3	-	-	5	#	3	#	1	#	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	10	#
2	26	#	194	999	252	999	212	999	13	#	-	-	1	#	-	-	-	-	-	-	51	999	37	#	786	999
1	620	995	957	957	1551	950	1758	957	938	998	427	#	406	999	208	#	9	#	173	#	517	985	650	993	8214	987
0	1046	875	1119	752	1250	646	1714	604	2757	819	3527	924	3055	922	2735	961	1464	998	1098	951	767	834	1242	878	21774	847
-1	660	671	640	513	654	401	702	260	1202	295	1357	294	1544	335	1987	454	2157	705	1042	643	638	611	603	658	13186	478
-2	540	543	469	376	523	273	344	119	223	67	215	52	146	38	347	86	781	273	646	350	450	425	519	552	5203	255
-3	426	438	354	275	285	171	105	49	102	24	53	13	33	10	74	22	343	117	232	168	234	295	428	460	2669	167
-4	419	356	249	200	170	115	80	28	20	5	19	4	13	4	28	8	143	48	118	103	130	226	500	384	1889	121
-5	383	274	228	146	130	82	35	12	5	1	2	*	7	1	11	3	51	20	64	70	155	189	318	296	1389	89
-6	302	200	220	97	100	56	13	5	-	-	-	-	-	-	3	1	24	9	45	52	165	143	277	239	1149	66
-7	255	141	100	50	72	37	11	3	-	-	-	-	-	-	-	-	15	5	54	39	82	95	210	190	799	46
-8	208	92	55	29	39	23	2	*	-	-	-	-	-	-	-	-	8	2	28	24	76	72	251	153	667	33
-9	133	51	39	17	33	15	-	-	-	-	-	-	-	-	-	-	-	-	9	16	40	49	200	109	454	21
-10	67	26	29	9	8	9	-	-	-	-	-	-	-	-	-	-	-	-	15	13	44	38	129	73	292	14
-11	35	13	2	3	14	7	-	-	-	-	-	-	-	-	-	-	-	-	16	9	43	25	103	50	213	9
-12	20	6	5	2	9	4	-	-	-	-	-	-	-	-	-	-	-	-	11	5	28	13	50	32	123	5
-13	10	2	1	1	6	3	-	-	-	-	-	-	-	-	-	-	-	-	6	2	3	4	66	23	92	3
-14	-	-	4	1	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	3	29	12	48	1
-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	18	6	22	1
-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	3	17	*
-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	1	*
MEAN	-2.7		-1.4		-0.8		-0.1		-0.2		-0.3		-0.3		-0.5		-1.1		-1.4		-2.0		-3.1		-1.1	
S.D.	3.1		2.6		2.3		1.3		0.8		0.6		0.6		0.7		1.2		2.0		3.0		3.7		2.3	
TOTAL	5150		4670		5106		4977		5260		5600		5205		5393		4995		3557		3436		5648		58997	
MAX	1.9		2.6		3.1		2.6		2.3		1.3		1.5		1.2		1.0		1.0		2.5		2.1		3.1	
DATE	1993010913		2001020805		1999030304		1991040707		1999051108		1998062210		1992071407		1992080705		1994090616		1998101116		1998112818		1992123010		1999030304	
MIN	-13.3		-14.1		-14.2		-7.6		-5.0		-4.9		-5.3		-5.9		-7.7		-12.8		-15.0		-16.7		-16.7	
DATE	2001010320		1994021013		1993031319		1994040620		1992052919		1994060220		1990070714		2001082813		2000092518		2000100902		2001112913		1990122320		1990122320	

(* < 0.05% , # = 100.0%)

STATION: 42020

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (12/1998 - 12/2001) (17775 RECORDS, 21.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
28	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	4	#	-	-	-	-	-	-	5	#
27	-	-	-	-	-	-	-	-	-	-	50	999	19	#	14	#	24	998	-	-	-	-	-	-	107	999
26	-	-	-	-	-	-	-	-	14	#	139	931	187	990	234	994	176	987	85	#	-	-	-	-	835	994
25	-	-	-	-	-	-	2	#	96	981	163	744	636	896	707	885	427	905	102	961	3	#	-	-	2136	947
24	-	-	-	-	-	-	59	997	151	852	245	524	708	576	757	559	364	705	157	915	76	998	10	#	2527	827
23	-	-	-	-	-	-	162	915	89	648	96	193	341	220	369	209	267	535	190	844	42	951	60	995	1616	684
22	-	-	-	-	-	-	187	688	82	528	43	63	68	48	69	39	193	410	234	757	147	925	117	966	1140	593
21	55	#	1	#	-	-	61	426	117	417	4	5	15	14	13	7	98	320	316	651	125	833	87	908	892	529
20	124	963	142	999	-	-	22	340	91	259	-	-	10	6	2	1	94	274	161	507	158	755	146	866	950	479
19	155	878	209	885	2	#	29	310	40	136	-	-	2	1	-	-	102	230	126	434	137	657	118	794	920	426
18	193	773	251	717	15	997	47	269	33	82	-	-	-	-	-	-	96	183	158	377	195	572	136	736	1124	374
17	86	641	155	516	37	977	29	203	10	38	-	-	-	-	-	-	93	138	134	305	124	451	98	669	766	311
16	103	583	59	392	81	926	31	162	6	24	-	-	-	-	-	-	74	94	110	244	123	373	61	621	648	268
15	76	513	62	344	65	814	32	119	11	16	-	-	-	-	-	-	47	60	72	194	92	297	70	591	527	231
14	60	461	32	295	58	725	26	74	1	1	-	-	-	-	-	-	41	38	89	161	108	240	91	557	506	202
13	65	420	30	269	64	645	16	38	-	-	-	-	-	-	-	-	30	19	73	121	87	172	121	513	486	173
12	79	376	43	245	65	557	4	15	-	-	-	-	-	-	-	-	6	5	62	88	50	118	121	453	430	146
11	70	322	36	210	65	468	3	10	-	-	-	-	-	-	-	-	4	2	47	60	30	87	124	394	379	122
10	46	274	42	181	50	378	4	6	-	-	-	-	-	-	-	-	-	-	27	38	27	68	126	333	322	100
9	49	243	55	148	64	309	-	-	-	-	-	-	-	-	-	-	-	-	25	26	15	52	106	271	314	82
8	57	210	55	104	46	221	-	-	-	-	-	-	-	-	-	-	-	-	17	15	18	42	74	219	267	64
7	73	171	21	59	16	158	-	-	-	-	-	-	-	-	-	-	-	-	10	7	33	31	90	183	243	49
6	53	121	15	43	15	136	-	-	-	-	-	-	-	-	-	-	-	-	5	2	12	11	85	139	185	36

5	40	85	24	30	18	116	-	-	-	-	-	-	-	-	-	-	-	4	3	72	97	158	25			
4	31	58	12	11	19	91	-	-	-	-	-	-	-	-	-	-	-	1	1	43	62	106	16			
3	33	37	2	2	14	65	-	-	-	-	-	-	-	-	-	-	-	-	-	29	41	78	10			
2	12	14	-	-	19	45	-	-	-	-	-	-	-	-	-	-	-	-	-	20	26	51	6			
1	5	6	-	-	7	19	-	-	-	-	-	-	-	-	-	-	-	-	-	10	17	22	3			
0	2	3	-	-	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	18	2			
-1	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	7	1			
-2	2	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4	1			
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	4	*			
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	*			
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	1	*			
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*			
MEAN		13.8		15.5		11.3		20.4		22.0		24.5		24.2		24.3		22.0		19.2		17.3		13.5		19.3
S.D.		5.3		4.3		4.2		3.2		2.4		1.3		1.0		1.0		3.4		4.3		4.1		5.9		5.7
TOTAL		1469		1246		727		714		741		741		1986		2165		2140		2200		1607		2039		17775
MAX		21.4		20.5		18.6		24.5		25.7		27.5		26.8		27.2		27.6		26.2		24.6		23.8		27.6
DATE	20000011318	20000021801	2001030104	2001041620	2001053105	2001061421	2001072809	2001083102	2001090209	2001101220	2000110803	2001121622	2001090209													
MIN	-1.9	2.9	-1.6	10.1	14.3	21.2	19.3	19.6	10.6	6.2	4.3	-5.3	-5.3													
DATE	2000010502	2001020314	2001032021	2001042600	2001052305	2001061921	2000070822	2001081420	1999092312	2001101417	1999112615	2000121916	2000121916													

(* < 0.05% , # = 100.0%)

STATION: 42020

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

ELEMENT: AIR - DEW POINT TEMPERATURE (DEGREES C) -- POR: (12/1998 - 12/2001) (17767 RECORDS, 21.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	#
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	999	2	999
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999
19	-	-	-	-	4	#	-	-	-	-	-	-	-	-	-	-	-	-	2	#	1	999	6	999	13	999
18	-	-	-	-	5	994	-	-	-	-	-	-	-	-	-	-	-	-	5	999	-	-	5	996	15	999
17	2	#	-	-	10	988	-	-	-	-	-	-	-	-	-	-	-	-	4	997	5	998	9	994	30	998
16	1	999	-	-	9	974	-	-	-	-	-	-	-	-	-	-	-	-	9	995	2	995	14	989	35	997
15	3	998	-	-	21	961	-	-	-	-	-	-	-	-	-	-	-	-	18	991	8	994	14	982	64	995
14	4	996	-	-	16	933	-	-	-	-	-	-	-	-	-	-	2	#	21	983	4	989	22	975	69	991
13	7	993	-	-	20	911	-	-	-	-	-	-	2	#	-	-	13	999	28	973	10	986	25	965	105	987
12	12	988	3	#	22	883	-	-	-	-	-	-	1	999	-	-	25	993	23	960	20	980	42	952	148	981
11	25	980	15	998	26	853	4	#	-	-	-	-	-	-	-	-	51	981	62	950	41	968	70	932	294	973
10	53	963	18	986	48	817	4	994	-	-	-	-	4	998	-	-	95	957	101	922	97	942	106	897	526	956
9	59	927	31	971	65	751	13	989	9	#	-	-	1	996	-	-	140	913	122	876	132	882	149	845	721	927
8	79	887	58	946	61	662	18	971	8	988	-	-	6	996	4	#	164	848	161	820	148	800	152	772	859	886
7	120	833	65	900	63	578	27	945	15	977	-	-	8	993	27	998	161	771	189	747	136	708	189	697	1000	838
6	106	751	92	848	55	491	28	908	47	957	28	#	109	989	194	986	201	696	269	661	201	623	188	604	1518	781
5	118	679	133	774	122	415	41	868	66	893	82	962	420	934	566	896	355	601	332	539	213	498	160	512	2608	696
4	203	599	224	667	84	248	62	811	127	804	197	852	763	723	826	634	534	435	343	388	217	365	194	433	3774	549
3	339	460	320	487	75	132	51	724	130	633	145	586	604	338	391	253	320	186	224	232	166	230	185	338	2950	337
2	203	230	157	230	21	29	52	653	165	457	132	390	66	34	119	72	57	36	193	130	88	127	178	247	1431	171
1	116	91	117	104	-	-	68	580	166	235	142	212	2	1	30	17	19	9	88	43	37	72	217	160	1002	90
0	18	12	13	10	-	-	346	485	8	11	15	20	-	-	7	3	1	*	6	3	79	49	108	53	601	34
MEAN		4.6		4.0		7.3		2.1		3.0		2.9		4.0		4.1		5.5		5.7		5.8		5.6		4.8
S.D.		2.9		2.3		3.8		2.6		1.8		1.4		1.0		1.1		2.4		3.1		3.1		3.8		2.9
TOTAL		1468		1246		727		714		741		741		1986		2164		2138		2200		1607		2035		17767
MAX		16.5		12.0		19.1		11.1		9.2		6.4		13.1		8.2		14.0		19.0		20.5		22.0		22.0
DATE	2000010504	2001021902	2001030515	2001042600	2001052305	2001062000	2000070821	1999081619	1999092312	1999103122	1999110100	1998121817	1998121817													
MIN	0.0	0.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DATE	2001011416	2001021211	2001030200	2001042411	2001050513	2001060912	2001070323	2001083009	2000091315	2001102513	2001112821	2001123122	2001123122													

(* < 0.05% , # = 100.0%)

STATION: 42020

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (5/1990 - 12/2001) (83750 RECORDS, 98.8% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
1043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
1042	-	-	4	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#
1041	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
1040	-	-	9	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	999
1039	1	#	1	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
1038	8	999	3	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	999
1037	10	999	7	997	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	999
1036	17	998	6	996	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	999
1035	29	996	11	995	12	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	53	999

	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
73	- -	- -	- -	- -	- -	- -	- -	1 #	- -	- -	- -	- -	1 #
72	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 999
71	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 999
70	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 999
69	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 999
68	- -	- -	- -	- -	- -	- -	- -	1 999	- -	- -	- -	- -	1 999
67	- -	- -	- -	- -	- -	- -	- -	1 999	- -	- -	- -	- -	1 999
66	- -	- -	- -	- -	- -	- -	- -	1 999	- -	- -	- -	- -	1 999
65	- -	- -	- -	- -	- -	- -	- -	2 999	- -	- -	- -	- -	2 999
64	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 999
63	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 999
62	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 999
61	- -	- -	- -	- -	- -	- -	- -	1 999	- -	- -	- -	- -	1 999

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF	F CPF
9.0	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 #
8.5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0 #
8.0	- -	- -	- -	- -	- -	- -	- -	4 #	- -	- -	- -	- -	4 #

7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	1	999
7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	1	#	-	-	-	-	-	-	3	999
6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	-	-	7	999	-	-	-	-	-	-	10	999
6.0	-	-	-	-	2	#	-	-	-	-	-	-	-	-	2	999	-	-	9	999	-	-	-	-	-	-	13	999
5.5	-	-	-	-	8	999	-	-	-	-	-	-	-	-	1	998	-	-	13	997	-	-	-	-	-	-	22	999
5.0	8	#	-	-	10	998	-	-	-	-	-	-	-	-	1	998	4	#	7	995	2	#	1	#	33	999		
4.5	26	999	2	#	17	997	1	#	-	-	1	#	-	-	-	-	5	999	16	994	9	999	9	999	86	999		
4.0	56	995	16	999	16	994	6	999	1	#	5	999	-	-	3	998	20	999	67	992	15	998	42	999	247	998		
3.5	138	988	77	997	86	991	37	999	9	999	17	999	-	-	2	998	31	996	191	981	78	995	176	993	842	995		
3.0	321	969	242	984	199	976	138	992	25	998	41	996	8	#	26	997	59	992	217	951	241	982	348	971	1865	984		
2.5	681	925	479	943	371	942	379	968	118	994	132	990	76	999	75	994	168	983	498	917	577	940	671	927	4225	960		
2.0	1326	832	845	862	1083	879	1098	902	577	974	585	969	282	988	216	983	412	959	936	839	1056	839	1212	842	9628	966		
1.5	2021	651	1515	720	1577	693	1689	710	2050	878	1534	875	1225	946	698	953	1316	901	1553	693	1522	655	2054	689	18754	782		
1.0	1986	376	1899	464	1665	423	1887	414	2472	534	2590	630	3141	764	2670	854	2513	715	2067	450	1651	390	2416	430	26957	542		
0.5	737	105	777	144	761	138	476	83	711	120	1312	216	1967	299	3091	477	2480	360	794	126	584	103	878	124	14568	196		
0.0	32	4	76	13	43	7	-	-	2	*	40	6	47	7	284	40	72	10	14	2	6	1	106	13	722	9		
MEAN		1.6		1.4		1.5		1.5		1.2		1.2		1.0		0.9		1.0		1.5		1.5		1.5		1.3		
S.D.		0.7		0.7		0.7		0.6		0.4		0.5		0.4		0.5		0.6		0.8		0.7		0.7		0.7		
TOTAL		7332		5928		5838		5711		5965		6257		6746		7079		7080		6390		5741		7913		77980		
MAX		5.1		4.6		6.1		4.3		3.8		4.6		2.9		8.2		5.1		6.8		4.9		4.9		8.2		
DATE	1997011218	2000020214	1993031305	1994040612	1995050808	1993061915	1995070509	1999082219	1998091001	1996100610	19901112919	1995122210	1999082219															
MIN	0.0	0.0	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0		
DATE	1997012508	1991021201	1998032306	1996040919	1993051501	1992062303	2000070721	1999083121	1998093009	1998100103	19991112918	2000120514	2000120514															

(* < 0.05% , # = 100.0%)

STATION: 42020

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (5/1990 - 12/2001) (77980 RECORDS, 92.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	-	-	-	-	-	-	-	-	4	#
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	10	#	-	-	-	-	1	#	13	999
9	-	-	-	-	4	#	-	-	-	-	-	-	-	-	4	999	5	999	21	#	-	-	-	-	34	999
8	13	#	21	#	38	999	-	-	2	#	3	#	-	-	16	999	18	998	91	997	15	#	20	999	237	999
7	192	998	186	996	305	993	163	#	43	999	75	999	8	#	108	996	116	995	506	982	160	997	192	997	2054	996
6	1986	972	1319	965	1517	941	1759	971	685	992	662	988	340	999	349	981	851	979	1573	903	1599	970	1766	973	14406	970
5	3782	701	3093	743	2819	681	2902	663	3545	878	3190	882	2584	948	1730	932	2592	859	2738	657	2820	691	4049	750	35844	785
4	1266	185	1222	221	1066	198	877	155	1669	283	2267	372	3683	565	4442	687	3199	493	1429	229	1120	200	1735	238	23975	326
3	76	13	86	15	89	15	10	2	21	4	58	10	125	19	317	60	287	41	32	5	27	5	54	19	1182	18
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
0	17	2	1	*	-	-	-	-	-	-	2	*	6	1	107	15	2	*	-	-	-	-	96	12	231	3
MEAN		5.1		5.0		5.1		5.1		4.8		4.7		4.4		4.3		4.6		5.2		5.1		4.9		4.8
S.D.		0.8		0.7		0.8		0.7		0.6		0.6		0.6		0.9		0.8		0.9		0.7		0.9		0.8
TOTAL		7332		5928		5838		5711		5965		6257		6746		7079		7080		6390		5741		7913		77980
MAX		7.8		8.1		8.7		7.1		7.5		7.5		6.7		11.1		10.4		9.0		8.1		10.1		11.1
DATE	2001013010	1998021605	1993031704	1998041414	1991052314	1993061919	1998070318	1999082215	1998092719	1996100623	1996111721	2000120422	1999082215													
MIN	0.0	0.0	0.0	3.0	3.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
DATE	1997012508	1991021201	1998032313	1994042405	1992050618	1992062303	2000070721	1999083121	1998093009	1998100106	19991112802	2000120514	2000120514													

(* < 0.05% , # = 100.0%)

STATION: 42020

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (5/1990 - 12/2001) (77978 RECORDS, 92.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
17	-	-	-	-	-	-	-	-	-	-	1	#	-	-	5	#	-	-	-	-	-	-	-	-	6	#
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	7	#	4	#	-	-	-	-	16	999
13	-	-	1	#	-	-	-	-	-	-	1	999	-	-	17	999	11	999	51	999	8	#	-	-	89	999
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
11	8	#	15	999	11	#	-	-	2	#	10	999	4	#	32	996	17	997	117	991	35	999	32	#	283	999
10	86	999	93	997	167	998	28	#	12	999	20	998	13	999	52	992	97	995	237	973	75	993	73	996	953	995
9	409	987	261	982	348	970	187	995	64	998	89	995	58	997	105	984	136	981	596	936	340	979	284	987	2877	983
8	1605	931	1134	938	1260	910	1638	962	868	987	803	981	446	989	419	969	809	962	1448	843	1461	920	1500	951	13391	946
7	2198	712	1731	746	1487	694	1721	676	1675	841	1547	852	1149	923	675	910	1420	848	1146	616	1534	666	2195	761	18478	774
6	1771	413	1625	454	1578	439	1338	374	2038	561	2174	605	2061	752	1883	815	1913	647	1583	437	1269	399	2223	484	21456	537
5	778	171	667	180	602	169	588	140	974	219	1015	258	2018	447	2379	549	1483	377	817	189	674	177	963	203	12958	262
4	364	65	295	67	252	66	177	37	288	56	507	95	846	148	996	213	873	168								

	DAY-HR	19-09	-	-	-	-	-	-	-	-	-	10-09	23-19	JAN
	MINIMUM	2.0	-	-	-	-	-	-	-	-	-	13.1	7.4	2.0
	DAY-HR	28-22	-	-	-	-	-	-	-	-	-	16-09	12-22	JAN
	# OBS	730	-	-	-	-	-	-	-	-	-	524	739	1993
1998	MEAN	19.4	18.9	18.4	21.3	24.9	27.8	28.8	28.9	28.1	26.3	23.6	19.5	23.9
	MAXIMUM	22.0	21.7	21.5	23.5	28.1	29.2	29.9	30.1	30.8	29.3	26.1	24.6	30.8
	DAY-HR	12-20	17-23	30-23	17-00	29-19	29-00	27-00	04-18	20-21	05-21	01-18	01-18	SEP
	MINIMUM	12.5	12.8	11.0	17.7	21.3	25.3	25.8	24.6	24.5	22.0	17.9	8.5	8.5
	DAY-HR	15-18	06-21	09-19	18-16	01-09	06-16	03-11	30-20	16-18	23-17	05-21	24-20	DEC
	# OBS	712	667	713	691	716	691	740	790	708	735	718	737	8618
1999	MEAN	19.3	20.1	20.2	22.7	25.5	27.8	28.1	28.2	27.5	24.8	22.9	19.5	23.9
	MAXIMUM	23.4	22.7	23.5	25.0	27.6	29.1	29.5	30.0	29.8	28.2	25.8	24.2	30.0
	DAY-HR	02-02	11-04	03-04	26-17	31-22	27-23	24-20	19-15	02-19	08-17	01-01	04-18	AUG
	MINIMUM	9.8	11.7	11.9	18.0	21.0	25.1	24.7	23.7	23.0	17.3	13.7	12.3	9.8
	DAY-HR	03-21	12-18	14-17	17-02	12-14	21-12	17-13	23-00	29-21	19-00	25-20	22-00	JAN
	# OBS	743	659	717	705	732	719	691	735	707	728	712	737	8585
2000	MEAN	19.9	20.3	-	-	-	-	28.2	28.3	27.7	25.2	24.7	17.4	24.0
	MAXIMUM	23.8	22.2	-	-	-	-	32.9	29.8	31.2	28.5	26.3	23.5	32.9
	DAY-HR	13-19	25-12	-	-	-	-	08-20	31-19	05-20	06-18	01-22	11-23	JUL
	MINIMUM	9.5	13.5	-	-	-	-	26.6	23.7	20.6	14.6	14.4	8.0	8.0
	DAY-HR	29-14	03-12	-	-	-	-	24-06	15-15	26-18	09-03	08-20	27-15	DEC
	# OBS	735	584	-	-	-	-	554	743	718	734	193	583	4844
2001	MEAN	16.9	18.9	18.6	22.5	25.0	27.4	28.2	28.5	27.6	24.9	22.7	20.0	23.4
	MAXIMUM	21.4	22.7	22.0	24.5	26.8	28.7	29.3	29.6	29.2	27.5	25.5	24.2	29.6
	DAY-HR	17-21	27-01	31-17	16-22	31-23	27-01	27-00	25-22	09-21	11-16	02-18	16-20	AUG
	MINIMUM	6.4	11.3	12.3	18.5	21.2	24.9	23.1	23.0	23.5	19.1	8.4	11.7	6.4
	DAY-HR	03-17	18-01	01-20	18-10	07-09	08-10	02-15	28-13	26-01	06-20	29-13	25-20	JAN
	# OBS	733	663	727	714	742	717	744	686	714	739	707	716	8602
POR	MEAN	18.2	19.0	19.3	21.9	25.1	27.7	28.4	28.5	27.8	25.6	22.6	19.6	23.5
	MAXIMUM	32.9	22.7	23.8	25.9	28.2	29.7	32.9	30.8	31.2	29.6	27.2	25.1	32.9
	YEAR	1997	2001	1995	1991	1994	1991	2000	1995	2000	1990	1994	1994	JUL/2000
	MINIMUM	2.0	5.6	8.1	11.4	19.6	21.9	23.0	22.0	20.6	14.6	8.4	5.5	2.0
	YEAR	1997	1994	1996	1996	1996	1994	1992	1992	2000	2000	2001	1990	JAN/1997
	# OBS	8095	6616	6590	6426	6749	7056	6836	7099	7147	6412	6265	8608	83899

STATION: 42020 -- POR (5/1990 - 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
1990	MEAN	-	-	-	-	27.1	28.5	28.5	29.2	28.9	28.4	24.3	22.7	27.2
	MAXIMUM	-	-	-	-	28.1	30.0	31.6	30.5	30.4	29.7	25.8	24.2	31.6
	DAY-HR	-	-	-	-	31-23	10-19	12-21	26-22	22-21	04-21	07-09	03-14	JUL
	MINIMUM	-	-	-	-	26.6	27.2	27.4	28.4	28.1	27.6	23.4	21.9	21.9
	DAY-HR	-	-	-	-	28-08	03-05	17-09	02-12	30-13	16-14	30-14	31-23	DEC
	# OBS	-	-	-	-	175	715	742	744	716	381	585	744	4802
1991	MEAN	21.1	20.2	20.7	22.5	25.7	28.7	29.3	29.6	28.7	27.8	-	22.4	24.3
	MAXIMUM	22.7	21.4	21.9	25.8	30.5	32.0	32.1	31.1	30.1	28.6	-	22.9	32.1
	DAY-HR	02-21	10-22	31-01	25-21	26-21	19-21	03-23	18-22	02-19	02-21	-	10-23	JUL
	MINIMUM	19.8	19.1	18.8	19.1	23.1	27.4	28.2	28.9	27.5	26.6	-	21.7	18.8
	DAY-HR	22-18	19-03	12-18	03-15	01-08	01-16	01-15	16-03	30-11	06-16	-	28-11	MAR
	# OBS	743	672	742	720	676	603	131	435	719	145	-	655	6241
1992	MEAN	20.7	19.5	19.3	22.4	25.0	28.3	28.3	28.6	28.7	26.8	23.9	22.7	24.5
	MAXIMUM	22.1	20.4	21.0	24.6	27.7	31.3	29.5	31.7	30.7	28.2	25.9	24.2	31.7
	DAY-HR	03-23	28-22	22-22	13-21	24-20	12-20	05-00	10-23	26-21	04-22	03-20	04-22	AUG
	MINIMUM	19.3	18.1	17.5	19.4	23.2	26.2	25.7	27.1	27.6	25.0	22.4	18.5	17.5
	DAY-HR	18-16	22-22	13-12	06-03	08-14	01-14	15-10	20-17	30-13	29-10	20-13	30-10	MAR
	# OBS	742	689	741	720	740	719	742	737	717	741	702	738	8728
1993	MEAN	20.8	21.4	21.6	22.1	24.6	27.2	28.4	-	-	-	23.8	22.4	23.1
	MAXIMUM	22.8	23.3	23.3	23.3	26.8	29.2	28.8	-	-	-	23.8	24.0	29.2
	DAY-HR	24-17	11-10	25-22	01-18	30-20	29-01	07-00	-	-	-	30-23	02-22	JUN
	MINIMUM	19.1	18.7	19.6	20.6	22.2	25.3	28.0	-	-	-	23.7	20.8	18.7
	DAY-HR	08-13	16-10	11-03	09-14	01-13	01-14	01-12	-	-	-	30-16	31-17	FEB
	# OBS	735	670	724	708	739	718	180	-	-	-	9	742	5225
1994	MEAN	20.9	20.0	20.3	21.3	25.4	27.9	28.3	28.6	28.7	28.0	-	-	24.7
	MAXIMUM	21.8	22.2	21.6	24.7	28.8	29.7	30.0	31.5	31.8	29.0	-	-	31.8
	DAY-HR	14-21	22-00	26-17	23-23	31-21	05-23	10-20	16-20	06-20	02-23	-	-	SEP
	MINIMUM	19.3	17.4	19.6	19.4	23.2	26.7	27.3	27.8	27.7	27.6	-	-	17.4
	DAY-HR	17-23	16-11	17-14	03-15	02-16	03-14	15-13	05-12	29-15	01-08	-	-	FEB

	# OBS	743	653	744	719	740	719	730	740	714	84	-	-	6586
1997	MEAN	-	-	-	-	-	-	-	-	-	-	23.5	22.3	22.8
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	25.3	23.5	25.3
	DAY-HR	-	-	-	-	-	-	-	-	-	-	11-04	12-12	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	-	21.4	21.1	21.1
	DAY-HR	-	-	-	-	-	-	-	-	-	-	28-18	31-09	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	524	739	1263
1998	MEAN	20.9	20.0	19.0	21.3	24.6	27.6	29.0	29.2	28.9	27.3	24.9	23.1	24.7
	MAXIMUM	21.4	21.4	20.7	22.9	28.4	30.5	30.0	31.3	30.7	29.7	26.1	24.5	31.3
	DAY-HR	14-22	14-04	31-23	16-23	29-21	26-19	27-23	02-20	21-00	01-22	24-20	02-07	AUG
	MINIMUM	20.3	18.1	17.5	19.9	21.5	26.1	27.7	27.4	28.1	25.3	22.0	22.2	17.5
	DAY-HR	07-03	11-00	15-14	11-16	01-16	22-10	05-12	09-13	26-15	31-23	28-18	30-14	MAR
	# OBS	712	667	713	691	716	691	740	790	707	735	718	737	8617
1999	MEAN	21.6	20.9	20.7	22.7	25.5	28.0	28.6	29.1	-	-	-	-	24.5
	MAXIMUM	22.7	22.0	21.9	24.5	28.2	30.0	30.7	31.4	-	-	-	-	31.4
	DAY-HR	03-03	18-19	15-22	27-20	24-23	30-00	07-00	04-22	-	-	-	-	AUG
	MINIMUM	19.9	19.6	19.5	20.4	23.5	26.8	27.6	26.7	-	-	-	-	19.5
	DAY-HR	22-23	26-16	19-14	04-02	03-16	05-11	03-17	22-17	-	-	-	-	MAR
	# OBS	743	659	719	705	736	719	691	519	-	-	-	-	5491
2000	MEAN	-	-	-	-	-	-	28.4	28.7	29.0	26.7	25.6	22.0	27.0
	MAXIMUM	-	-	-	-	-	-	36.0	30.8	31.3	28.5	26.0	23.5	36.0
	DAY-HR	-	-	-	-	-	-	07-19	31-20	05-20	06-21	02-01	08-22	JUL
	MINIMUM	-	-	-	-	-	-	27.6	27.4	27.7	25.3	25.3	19.5	19.5
	DAY-HR	-	-	-	-	-	-	31-15	07-15	30-17	31-15	07-03	28-02	DEC
	# OBS	-	-	-	-	-	-	507	743	713	732	193	584	3472
2001	MEAN	20.3	19.9	20.2	22.3	25.4	27.8	28.8	29.1	28.8	26.5	24.2	22.5	24.7
	MAXIMUM	21.5	22.2	22.1	24.3	27.3	30.5	30.0	30.7	30.0	28.1	25.9	24.2	30.7
	DAY-HR	08-00	22-21	04-22	16-23	25-22	23-22	23-22	06-19	21-20	01-23	02-21	01-05	AUG
	MINIMUM	18.3	17.5	18.0	20.3	23.4	26.1	27.7	27.7	27.7	25.0	22.9	20.7	17.5
	DAY-HR	29-19	07-15	12-15	07-12	03-14	05-13	04-17	31-13	01-16	31-17	28-23	31-08	FEB
	# OBS	733	661	726	714	742	717	744	685	712	739	706	713	8592
POR	MEAN	20.9	20.3	20.3	22.1	25.2	28.0	28.6	29.0	28.8	27.1	24.3	22.5	24.8
	MAXIMUM	22.8	23.3	23.3	25.8	30.5	32.0	36.0	31.7	31.8	29.7	26.1	24.5	36.0
	YEAR	1993	1993	1993	1991	1991	1991	2000	1992	1994	1998	1998	1998	JUL/2000
	MINIMUM	18.3	17.4	17.5	19.1	21.5	25.3	25.7	26.7	27.5	25.0	21.4	18.5	17.4
	YEAR	2001	1994	1998	1991	1998	1993	1992	1999	1991	2001	1997	1992	FEB/1994
	# OBS	5151	4671	5109	4977	5264	5601	5207	5393	4998	3557	3437	5652	59017

STATION: 42020 -- POR (12/1998 - 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
1998	MEAN	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	-	-	-	18-17	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	-	-	-	18-17	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	-	1	1
1999	MEAN	-	-	-	-	-	23.8	23.5	23.9	21.2	17.8	15.3	12.4	19.0
	MAXIMUM	-	-	-	-	-	24.6	25.2	25.9	25.1	24.7	22.0	21.3	25.9
	DAY-HR	-	-	-	-	-	30-10	04-14	16-06	29-08	09-11	23-23	05-01	AUG
	MINIMUM	-	-	-	-	-	22.8	19.7	20.7	10.6	6.3	4.3	-0.8	-0.8
	DAY-HR	-	-	-	-	-	30-22	19-12	16-19	23-12	31-22	26-15	14-05	DEC
	# OBS	-	-	-	-	-	24	691	735	707	728	712	737	4334
2000	MEAN	15.4	16.5	-	-	-	-	24.2	24.0	22.2	20.7	20.6	12.1	19.5
	MAXIMUM	21.4	20.5	-	-	-	-	26.0	25.6	26.7	26.1	24.6	21.8	26.7
	DAY-HR	13-18	18-01	-	-	-	-	18-19	16-02	23-06	05-20	08-03	15-11	SEP
	MINIMUM	-1.9	5.4	-	-	-	-	19.3	21.1	11.2	11.1	11.3	-5.3	-5.3
	DAY-HR	05-02	05-07	-	-	-	-	08-22	22-18	26-07	09-11	09-01	19-16	DEC
	# OBS	735	584	-	-	-	-	551	743	719	733	193	586	4844
2001	MEAN	12.2	14.6	11.3	20.4	22.0	24.5	24.9	24.9	22.7	19.2	18.4	15.7	19.2
	MAXIMUM	20.8	20.1	18.6	24.5	25.7	27.5	26.8	27.2	27.6	26.2	24.3	23.8	27.6
	DAY-HR	16-08	12-10	01-04	16-20	31-05	14-21	28-09	31-02	02-09	12-20	27-19	16-22	SEP
	MINIMUM	1.2	2.9	-1.6	10.1	14.3	21.2	19.8	19.6	13.1	6.2	6.2	-2.5	-2.5
	DAY-HR	20-06	03-14	20-21	26-00	23-05	19-21	02-18	14-20	30-03	14-17	30-06	26-09	DEC
	# OBS	734	662	727	714	741	717	744	687	714	739	702	715	8596
POR	MEAN	13.8	15.5	11.3	20.4	22.0	24.5	24.2	24.3	22.0	19.2	17.3	13.5	19.3

MAXIMUM	21.4	20.5	18.6	24.5	25.7	27.5	26.8	27.2	27.6	26.2	24.6	23.8	27.6
YEAR	2000	2000	2001	2001	2001	2001	2001	2001	2001	2001	2000	2001	SEP/2001
MINIMUM	-1.9	2.9	-1.6	10.1	14.3	21.2	19.3	19.6	10.6	6.2	4.3	-5.3	-5.3
YEAR	2000	2001	2001	2001	2001	2001	2000	2001	1999	2001	1999	2000	DEC/2000
# OBS	1469	1246	727	714	741	741	1986	2165	2140	2200	1607	2039	17775

STATION: 42020 -- POR (5/1990 - 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
1990	MEAN	-	-	-	-	1008.1	1014.0	1015.6	1016.1	1015.0	1015.2	1019.0	1018.9	1016.0
	MAXIMUM	-	-	-	-	1012.7	1018.9	1018.9	1018.9	1021.9	1021.9	1033.6	1034.2	1034.2
	DAY-HR	-	-	-	-	25-15	30-23	09-17	11-17	24-17	10-15	29-17	24-17	DEC
	MINIMUM	-	-	-	-	1003.1	1007.8	1011.8	1011.9	1009.5	1009.6	1003.2	1004.5	1003.1
	DAY-HR	-	-	-	-	28-00	01-00	16-02	31-00	13-01	03-10	08-22	18-02	MAY
	# OBS	-	-	-	-	175	712	742	744	716	381	585	744	4799
1991	MEAN	1018.6	1019.6	1012.0	1010.9	1011.4	1013.1	1014.0	1015.1	1015.9	1014.5	-	1020.0	1015.2
	MAXIMUM	1031.6	1033.0	1030.3	1029.7	1020.9	1016.4	1015.8	1019.2	1020.8	1022.2	-	1032.2	1033.0
	DAY-HR	31-17	01-17	31-18	01-05	06-18	07-16	02-17	29-17	29-17	06-17	-	15-16	FEB
	MINIMUM	1006.4	1005.9	997.3	998.6	1005.5	1006.3	1012.5	1009.6	1009.1	1009.8	-	1011.9	997.3
	DAY-HR	15-06	19-08	29-00	28-23	30-23	01-01	01-00	31-23	05-11	04-22	-	12-20	MAR
	# OBS	743	672	743	720	679	485	42	435	719	145	-	655	6038
1992	MEAN	1018.8	1016.0	1015.4	1014.3	1014.7	1010.5	1015.6	1016.0	1014.5	1016.1	1016.4	1017.8	1015.5
	MAXIMUM	1032.8	1025.5	1023.6	1025.6	1024.6	1016.2	1020.0	1020.2	1020.3	1025.7	1029.0	1027.1	1032.8
	DAY-HR	16-16	20-18	13-16	27-16	07-17	22-17	25-16	01-16	12-16	23-17	27-16	24-17	JAN
	MINIMUM	1003.5	1002.4	1004.5	999.2	1005.7	1005.0	1007.1	1010.5	1007.1	1008.7	1003.0	1003.0	999.2
	DAY-HR	13-10	04-10	09-22	19-23	29-00	06-01	01-00	12-00	21-10	29-23	24-09	13-21	APR
	# OBS	742	689	741	720	740	719	742	737	718	741	702	739	8730
1993	MEAN	1018.8	1017.3	1016.1	1012.8	1012.4	1012.6	1014.1	-	-	-	1021.3	1018.4	1015.5
	MAXIMUM	1031.9	1030.7	1031.1	1024.9	1019.8	1017.5	1016.5	-	-	-	1022.7	1030.6	1031.9
	DAY-HR	30-16	18-17	13-17	22-05	10-17	12-04	01-17	-	-	-	30-17	25-17	JAN
	MINIMUM	1006.2	1004.8	1002.2	996.9	1004.7	1003.7	1010.9	-	-	-	1020.1	1001.8	996.9
	DAY-HR	09-11	16-01	30-10	14-17	02-11	20-00	05-00	-	-	-	30-22	13-08	APR
	# OBS	735	670	723	708	739	718	180	-	-	-	9	742	5224
1994	MEAN	1019.5	1018.4	1015.6	1014.0	1013.0	1012.7	1014.9	1014.9	1015.1	1012.8	1015.9	1018.3	1015.4
	MAXIMUM	1030.0	1032.6	1029.6	1025.0	1020.0	1017.4	1020.9	1019.9	1020.7	1020.6	1029.1	1029.0	1032.6
	DAY-HR	08-17	14-04	10-18	01-05	23-17	16-17	17-17	24-16	03-17	27-04	24-03	11-17	FEB
	MINIMUM	1005.1	1004.1	995.8	1003.9	1003.9	1007.5	1009.2	1010.3	1008.7	1003.9	1005.4	1008.2	995.8
	DAY-HR	27-20	22-23	27-11	05-23	14-09	08-00	08-00	21-02	30-23	01-22	27-21	28-12	MAR
	# OBS	743	654	744	719	740	719	732	740	715	737	712	743	8698
1995	MEAN	1018.0	1018.3	1015.1	1011.2	1010.1	1013.0	1014.1	1011.9	1013.8	1013.7	1017.9	1018.3	1014.6
	MAXIMUM	1029.0	1031.7	1030.9	1023.6	1016.7	1018.8	1020.8	1016.9	1019.0	1022.6	1027.3	1034.5	1034.5
	DAY-HR	02-04	08-17	09-16	13-17	29-16	12-17	07-17	20-17	23-16	21-04	25-05	10-16	DEC
	MINIMUM	1004.6	1003.9	1003.7	996.6	999.7	1004.3	1006.7	1007.3	1008.5	1002.8	1006.0	1003.2	996.6
	DAY-HR	13-01	11-10	07-12	11-00	13-10	07-00	31-00	11-11	30-11	05-00	27-21	31-23	APR
	# OBS	742	670	737	717	742	714	735	741	713	738	712	738	8699
1996	MEAN	1017.6	1017.7	1016.9	1014.1	1013.1	1013.8	1014.6	1015.3	1012.0	1014.2	1018.2	1018.4	1015.5
	MAXIMUM	1034.3	1042.4	1036.6	1024.6	1019.9	1019.9	1020.8	1019.4	1019.6	1022.8	1029.7	1033.4	1042.4
	DAY-HR	08-16	04-17	08-17	16-17	12-16	02-18	28-17	15-19	29-17	10-17	13-17	19-17	FEB
	MINIMUM	996.7	1002.3	1002.9	1005.2	1005.9	1007.8	1008.8	1009.0	1003.7	1004.6	1006.1	1007.3	996.7
	DAY-HR	18-09	19-11	06-23	26-08	27-10	21-11	09-00	31-23	15-22	26-00	24-12	06-23	JAN
	# OBS	737	687	739	732	736	715	838	748	719	734	688	735	8808
1997	MEAN	1023.1	-	-	-	-	-	-	-	-	-	1014.6	1015.7	1018.1
	MAXIMUM	1039.0	-	-	-	-	-	-	-	-	-	1029.6	1029.0	1039.0
	DAY-HR	17-16	-	-	-	-	-	-	-	-	-	16-16	31-17	JAN
	MINIMUM	1007.1	-	-	-	-	-	-	-	-	-	1002.4	1001.8	1001.8
	DAY-HR	05-00	-	-	-	-	-	-	-	-	-	13-21	23-22	DEC
	# OBS	724	-	-	-	-	-	-	-	-	-	524	739	1987
1998	MEAN	1014.6	1010.8	1014.5	1012.6	1011.2	1011.5	1014.7	1013.9	1008.3	1015.2	1015.8	1019.2	1013.6
	MAXIMUM	1028.6	1020.9	1032.0	1025.2	1021.0	1018.0	1018.8	1020.0	1015.2	1025.8	1024.0	1029.5	1032.0
	DAY-HR	01-05	11-17	10-18	22-17	17-15	07-16	31-17	09-17	05-17	23-16	11-16	24-16	MAR
	MINIMUM	1002.7	996.8	996.1	1000.1	999.3	1002.3	1007.3	1007.9	996.2	1006.9	1007.3	1007.2	996.1
	DAY-HR	07-00	26-08	08-00	16-10	09-01	16-00	14-00	22-06	10-23	05-23	01-21	06-20	MAR
	# OBS	712	667	713	691	716	691	740	790	708	735	718	737	8618
1999	MEAN	1017.2	1017.9	1014.3	1012.0	1011.6	1012.5	1015.4	1012.7	1012.5	1016.3	1019.8	1019.3	1015.1
	MAXIMUM	1033.0	1036.1	1023.6	1027.4	1018.1	1016.5	1022.1	1017.8	1019.6	1026.0	1032.1	1032.1	1036.1
	DAY-HR	04-17	13-17	15-17	18-16	22-17	14-17	22-18	17-16	30-04	20-16	30-17	26-17	FEB
	MINIMUM	994.0	1009.5	998.8	1001.3	996.5	1007.9	1007.5	982.9	1007.0	1006.5	1007.2	1003.5	982.9

	DAY-HR	22-10	18-21	13-09	14-09	05-12	30-23	01-00	22-19	26-01	08-12	22-00	12-10	AUG
	# OBS	743	659	716	705	732	719	690	735	707	728	712	737	8583
2000	MEAN	1019.2	1018.9	-	-	-	-	1015.2	1015.9	1012.6	1017.8	1009.9	1021.7	1017.0
	MAXIMUM	1032.1	1031.6	-	-	-	-	1021.6	1022.7	1022.1	1030.6	1016.5	1033.0	1033.0
	DAY-HR	14-17	05-16	-	-	-	-	09-15	16-17	26-17	09-05	03-15	19-16	DEC
	MINIMUM	1007.4	1007.3	-	-	-	-	1011.0	1010.9	1006.3	1010.0	1000.6	1010.9	1000.6
	DAY-HR	03-11	13-14	-	-	-	-	16-09	14-10	22-00	05-10	06-03	20-22	NOV
	# OBS	735	584	-	-	-	-	553	742	719	732	193	710	4968
2001	MEAN	1020.3	1018.9	1015.0	1015.7	1014.0	1013.7	1014.9	1015.4	1014.1	1017.6	1018.0	1018.0	1016.3
	MAXIMUM	1036.8	1032.7	1029.0	1027.3	1022.6	1023.1	1021.2	1020.3	1021.0	1029.8	1028.3	1028.8	1036.8
	DAY-HR	03-16	17-17	05-17	18-17	13-17	27-17	04-16	12-17	30-18	29-17	09-17	20-17	JAN
	MINIMUM	1008.5	1004.8	1002.3	1004.9	1003.8	1005.5	1009.3	1008.8	1007.1	1000.1	1000.2	1007.2	1000.1
	DAY-HR	29-08	24-11	03-07	11-13	21-09	14-00	25-00	31-22	08-22	13-09	23-22	16-21	OCT
	# OBS	733	663	727	713	742	717	744	687	713	739	706	714	8598
POR	MEAN	1018.7	1017.3	1015.0	1013.1	1012.3	1012.7	1015.0	1014.7	1013.4	1015.4	1017.1	1018.6	1015.4
	MAXIMUM	1039.0	1042.4	1036.6	1029.7	1024.6	1023.1	1022.1	1022.7	1022.1	1030.6	1033.6	1034.5	1042.4
	YEAR	1997	1996	1996	1991	1992	2001	1999	2000	2000	2000	1990	1995	FEB/1996
	MINIMUM	994.0	996.8	995.8	996.6	996.5	1002.3	1006.7	982.9	996.2	1000.1	1000.2	1001.8	982.9
	YEAR	1999	1998	1994	1995	1999	1998	1995	1999	1998	2001	2001	1997	AUG/1999
	# OBS	8089	6615	6583	6425	6741	6909	6738	7099	7147	6410	6261	8733	83750

STATION: 42020 -- POR (5/1990 - 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
1990	MEAN	-	-	-	-	12.9	12.4	10.4	10.2	9.3	11.0	12.8	13.6	11.4
	MAXIMUM	-	-	-	-	18.1	28.0	23.7	18.1	21.4	29.2	29.5	31.7	31.7
	DAY-HR	-	-	-	-	31-17	30-21	18-16	27-22	23-20	09-19	09-09	18-12	DEC
	MINIMUM	-	-	-	-	4.5	0.4	0.2	0.4	0.8	0.4	0.8	0.8	0.2
	DAY-HR	-	-	-	-	28-20	10-18	12-20	28-15	23-08	01-13	11-19	09-06	JUL
	# OBS	-	-	-	-	175	714	742	744	716	381	585	744	4801
1991	MEAN	13.4	12.5	13.3	11.2	11.9	11.2	8.1	9.5	11.0	11.6	-	14.0	12.0
	MAXIMUM	25.1	26.4	28.4	27.6	28.2	29.9	18.1	17.7	27.6	24.5	-	27.6	29.9
	DAY-HR	31-01	20-03	29-06	07-07	02-12	29-16	07-04	27-02	20-15	06-21	-	14-18	JUN
	MINIMUM	0.8	0.0	0.6	0.0	0.6	0.2	0.6	1.0	0.4	2.1	-	1.2	0.0
	DAY-HR	10-05	10-13	13-14	25-09	26-20	18-02	04-17	27-13	25-00	05-13	-	14-06	APR
	# OBS	743	672	743	720	687	633	136	435	719	145	-	655	6288
1992	MEAN	14.2	11.1	11.3	11.0	11.8	10.9	11.4	8.4	12.2	11.6	14.4	12.7	11.7
	MAXIMUM	30.9	32.1	28.6	29.5	25.3	23.1	23.3	23.5	24.5	25.5	31.3	39.7	39.7
	DAY-HR	13-19	05-09	10-16	20-07	27-22	29-17	03-20	23-17	29-08	08-14	04-15	13-19	DEC
	MINIMUM	1.9	0.2	0.2	0.6	0.4	0.4	1.9	0.4	0.6	0.4	0.8	1.0	0.2
	DAY-HR	31-23	17-07	25-15	27-20	27-17	10-14	21-13	13-18	16-20	25-03	30-20	23-23	MAR
	# OBS	742	689	740	720	742	719	742	738	718	740	707	740	8737
1993	MEAN	12.1	13.6	12.4	13.8	11.8	13.7	17.1	-	-	-	12.6	14.5	13.3
	MAXIMUM	33.8	28.6	36.5	37.3	28.0	28.0	22.0	-	-	-	16.1	30.7	37.3
	DAY-HR	24-11	04-03	12-15	08-11	05-23	20-04	05-08	-	-	-	30-22	24-14	APR
	MINIMUM	0.6	0.8	1.0	1.7	1.0	1.0	11.3	-	-	-	9.5	0.8	0.6
	DAY-HR	24-07	04-10	25-20	26-06	03-17	01-03	03-16	-	-	-	30-18	19-13	JAN
	# OBS	735	670	724	708	739	718	181	-	-	-	9	742	5226
1994	MEAN	15.3	13.5	12.3	11.6	11.7	11.6	12.4	10.5	8.9	12.3	14.9	13.2	12.3
	MAXIMUM	34.6	31.9	31.3	34.2	29.9	27.4	20.8	25.5	21.6	26.6	28.6	27.8	34.6
	DAY-HR	03-11	13-11	02-08	16-06	15-11	12-19	14-07	04-18	23-04	09-13	27-14	10-22	JAN
	MINIMUM	0.6	1.0	1.2	0.0	0.4	0.4	1.0	0.2	0.2	0.4	2.7	1.0	0.0
	DAY-HR	14-16	09-20	24-18	23-14	03-12	20-16	10-19	15-10	17-00	30-14	21-12	16-21	APR
	# OBS	743	655	743	719	740	719	734	739	715	737	712	743	8699
1995	MEAN	14.4	12.9	13.3	14.0	12.9	11.3	11.0	9.2	9.6	13.9	14.2	14.1	12.6
	MAXIMUM	32.5	29.7	35.8	29.4	26.6	29.9	25.3	22.7	31.9	32.9	34.0	31.9	35.8
	DAY-HR	19-02	04-05	07-19	11-12	08-04	11-13	04-05	12-09	22-15	29-04	11-15	22-09	MAR
	MINIMUM	0.6	1.0	1.0	0.8	1.4	0.4	0.4	0.4	0.6	0.4	0.2	1.4	0.2
	DAY-HR	29-01	21-03	18-03	18-14	29-18	24-17	15-17	31-16	06-17	24-11	23-22	04-20	NOV
	# OBS	742	670	742	717	742	714	735	741	713	738	712	738	8704
1996	MEAN	16.2	15.1	14.0	12.8	13.6	11.2	10.9	11.8	10.9	14.0	15.0	13.5	13.2
	MAXIMUM	32.7	28.6	35.6	29.9	22.6	22.2	20.2	22.2	27.2	32.5	30.1	30.3	35.6
	DAY-HR	19-04	29-20	07-10	15-12	01-09	11-05	24-09	03-09	07-16	22-14	25-06	18-01	MAR
	MINIMUM	0.4	1.0	0.0	0.0	0.6	0.6	0.4	1.0	0.6	2.5	0.0	1.0	0.0
	DAY-HR	27-01	13-14	31-07	08-15	12-09	09-15	01-13	25-17	21-20	09-00	22-20	13-10	NOV
	# OBS	737	687	739	716	736	715	838	748	719	734	688	735	8792

1997	MEAN	9.7	-	-	-	-	-	-	-	-	-	13.2	13.8	13.3
	MAXIMUM	21.8	-	-	-	-	-	-	-	-	-	28.2	28.8	28.8
	DAY-HR	04-05	-	-	-	-	-	-	-	-	-	15-19	26-19	DEC
	MINIMUM	1.7	-	-	-	-	-	-	-	-	-	0.4	0.0	0.0
	DAY-HR	02-14	-	-	-	-	-	-	-	-	-	14-14	18-07	DEC
	# OBS	82	-	-	-	-	-	-	-	-	-	524	739	1345
1998	MEAN	12.7	12.3	12.6	12.0	11.3	13.5	12.1	9.9	10.7	13.4	13.2	13.1	12.2
	MAXIMUM	26.0	35.4	34.8	24.9	22.9	23.3	20.8	26.6	31.3	24.1	28.4	29.2	35.4
	DAY-HR	08-07	02-00	08-16	17-14	15-09	11-09	03-21	21-14	09-20	21-22	05-12	18-17	FEB
	MINIMUM	0.4	0.0	0.4	0.0	0.6	1.9	2.9	0.2	0.6	0.0	1.7	1.0	0.0
	DAY-HR	17-17	17-23	17-16	09-06	29-18	26-17	17-14	28-13	20-19	11-16	24-08	19-20	OCT
	# OBS	712	667	713	691	716	691	740	790	708	735	717	738	8618
1999	MEAN	14.6	12.0	13.1	12.7	12.7	12.6	11.0	9.2	9.9	11.7	11.4	14.6	12.2
	MAXIMUM	31.9	36.5	30.1	29.7	24.7	23.1	27.8	58.1	28.2	25.3	29.0	28.0	58.1
	DAY-HR	23-03	12-05	13-14	15-14	15-13	30-10	17-13	22-19	29-18	18-04	25-08	15-12	AUG
	MINIMUM	0.2	0.0	0.8	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.6	0.0
	DAY-HR	30-04	02-13	09-14	04-01	06-08	15-11	24-19	29-15	10-00	08-17	27-00	14-03	OCT
	# OBS	742	659	717	705	729	719	691	735	707	728	712	737	8581
2000	MEAN	14.4	14.1	-	-	-	-	11.1	9.3	11.7	13.6	15.2	13.8	12.7
	MAXIMUM	30.3	32.3	-	-	-	-	21.4	20.6	26.8	31.1	28.2	29.5	32.3
	DAY-HR	04-10	02-13	-	-	-	-	27-20	15-14	25-16	08-15	06-03	19-05	FEB
	MINIMUM	0.0	0.6	-	-	-	-	0.4	0.0	1.0	1.2	2.1	0.0	0.0
	DAY-HR	13-18	14-18	-	-	-	-	31-18	13-10	05-19	17-21	06-13	01-21	DEC
	# OBS	735	584	-	-	-	-	553	743	713	733	193	716	4970
2001	MEAN	13.9	12.6	12.0	12.7	12.8	10.7	11.4	11.7	12.1	12.4	12.3	13.0	12.3
	MAXIMUM	30.3	28.8	24.5	27.2	23.9	24.9	19.6	28.4	22.6	28.0	27.4	31.5	31.5
	DAY-HR	19-14	17-03	18-23	17-21	28-07	15-17	30-08	30-09	24-22	13-16	29-09	08-21	DEC
	MINIMUM	0.2	0.2	0.0	0.0	1.0	0.0	1.0	0.6	0.0	0.0	0.2	0.4	0.0
	DAY-HR	12-00	04-15	21-03	28-07	22-03	06-13	24-14	06-14	01-20	21-19	30-06	13-06	OCT
	# OBS	734	663	728	714	742	717	744	686	715	740	707	714	8604
POR	MEAN	14.1	12.9	12.7	12.4	12.3	11.9	11.4	10.0	10.6	12.7	13.6	13.7	12.4
	MAXIMUM	34.6	36.5	36.5	37.3	29.9	29.9	27.8	58.1	31.9	32.9	34.0	39.7	58.1
	YEAR	1994	1999	1993	1993	1994	1995	1999	1999	1995	1995	1995	1992	AUG/1999
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	2000	1999	2001	2001	1999	2001	1999	2000	2001	2001	1996	2000	OCT/2001
	# OBS	7447	6616	6589	6410	6748	7059	6836	7099	7143	6411	6266	8741	83365

STATION: 42020 -- POR (5/1990 - 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
1990	MEAN	-	-	-	-	15.5	15.0	12.7	12.4	11.6	13.9	16.1	17.2	14.1
	MAXIMUM	-	-	-	-	21.8	33.0	30.7	20.8	27.4	37.5	39.3	41.4	41.4
	DAY-HR	-	-	-	-	31-17	30-21	18-08	27-22	06-17	10-03	09-09	18-12	DEC
	# OBS	-	-	-	-	175	713	742	744	716	381	584	744	4799
1991	MEAN	16.8	15.7	16.4	13.8	14.6	13.7	9.8	11.5	13.4	14.2	-	17.3	14.8
	MAXIMUM	30.9	32.3	39.3	49.2	36.7	36.5	21.6	22.0	36.4	29.5	-	34.8	49.2
	DAY-HR	15-14	20-03	29-06	07-07	02-12	29-16	07-04	27-03	20-15	06-21	-	20-08	APR
	# OBS	743	672	742	719	661	594	128	435	719	145	-	655	6213
1992	MEAN	17.6	13.5	13.7	13.2	14.3	13.0	13.7	10.2	14.7	14.3	18.0	15.5	14.3
	MAXIMUM	37.9	40.4	36.4	36.4	28.8	26.4	31.1	28.4	30.7	30.9	38.7	49.4	49.4
	DAY-HR	13-20	05-09	10-16	20-07	27-22	29-17	03-20	20-10	12-23	08-14	04-16	13-19	DEC
	# OBS	742	689	740	720	740	719	742	737	717	740	702	736	8724
1993	MEAN	14.9	16.8	15.2	16.8	14.3	16.5	20.6	-	-	-	15.2	18.0	16.2
	MAXIMUM	41.4	35.4	47.6	46.9	33.0	35.6	26.2	-	-	-	18.7	38.3	47.6
	DAY-HR	24-13	04-03	13-04	08-11	05-23	20-04	05-09	-	-	-	30-21	24-13	MAR
	# OBS	735	670	724	708	739	718	180	-	-	-	9	742	5225
1994	MEAN	18.9	16.6	15.1	14.0	14.1	13.9	14.8	12.7	11.2	15.1	18.2	16.4	15.1
	MAXIMUM	41.6	40.2	38.9	42.4	40.4	38.5	25.9	34.0	27.6	32.1	36.0	34.4	42.4
	DAY-HR	03-11	13-10	02-08	16-06	15-11	12-19	31-15	04-18	11-13	09-13	27-14	29-01	APR
	# OBS	743	653	743	719	739	719	731	738	711	737	712	743	8688
1995	MEAN	18.0	15.8	16.3	17.0	15.7	13.8	13.4	11.2	11.8	17.5	17.6	17.5	15.5
	MAXIMUM	41.0	36.5	43.7	37.1	33.4	37.5	30.9	33.4	37.9	42.2	43.2	38.9	43.7
	DAY-HR	19-02	04-05	07-19	11-13	08-04	11-13	04-06	12-09	22-15	29-04	11-15	22-09	MAR
	# OBS	742	670	742	717	742	714	735	741	713	738	712	738	8704
1996	MEAN	20.2	18.5	17.4	15.6	16.2	13.3	13.1	14.1	13.1	17.3	18.6	16.8	16.1

	MAXIMUM	43.4	37.1	44.9	36.7	28.0	26.6	24.9	26.2	32.5	41.0	37.1	40.6	44.9
	DAY-HR	19-04	02-10	07-10	29-17	01-09	11-07	26-13	03-09	07-16	22-12	25-06	18-14	MAR
	# OBS	737	687	739	716	736	715	838	748	718	734	688	735	8791
1997	MEAN	11.4	-	-	-	-	-	-	-	-	-	16.3	17.3	16.6
	MAXIMUM	25.5	-	-	-	-	-	-	-	-	-	35.6	36.7	36.7
	DAY-HR	04-05	-	-	-	-	-	-	-	-	-	15-19	26-19	DEC
	# OBS	82	-	-	-	-	-	-	-	-	-	524	739	1345
1998	MEAN	15.4	15.1	15.5	14.5	13.5	16.2	14.4	11.8	13.0	16.4	16.1	16.3	14.8
	MAXIMUM	31.9	44.3	44.1	30.3	27.0	27.8	25.5	34.4	38.1	29.7	33.2	36.0	44.3
	DAY-HR	08-07	02-00	08-14	17-14	03-10	11-08	03-21	21-14	09-22	21-22	05-12	18-17	FEB
	# OBS	712	667	713	691	716	691	740	790	708	735	717	737	8617
1999	MEAN	18.1	14.7	15.8	15.4	15.3	15.1	13.4	11.4	12.3	14.7	14.3	18.3	14.9
	MAXIMUM	39.3	44.3	38.9	34.6	29.2	27.0	34.2	72.9	33.2	30.9	36.0	35.6	72.9
	DAY-HR	23-03	12-05	13-13	15-14	12-14	30-10	17-13	22-19	29-18	18-23	25-08	15-09	AUG
	# OBS	742	659	714	705	726	719	691	735	707	728	712	737	8575
2000	MEAN	17.9	17.1	-	-	-	-	13.3	11.3	14.3	16.6	18.7	17.6	15.6
	MAXIMUM	36.9	38.9	-	-	-	-	25.7	27.4	32.3	37.7	35.0	39.5	39.5
	DAY-HR	04-10	02-13	-	-	-	-	27-20	15-14	25-17	08-15	06-05	19-05	DEC
	# OBS	735	584	-	-	-	-	550	743	718	731	193	712	4966
2001	MEAN	17.3	15.3	14.7	15.3	15.4	12.9	13.7	14.0	14.7	15.5	15.2	16.1	15.0
	MAXIMUM	37.9	36.5	30.1	32.7	31.7	30.1	24.7	38.5	27.2	34.2	34.8	39.3	39.3
	DAY-HR	19-14	24-11	18-23	17-20	07-08	15-17	30-07	30-06	23-11	13-16	29-09	08-22	DEC
	# OBS	732	662	727	714	742	717	744	685	711	739	705	714	8592
POR	MEAN	17.5	15.9	15.6	15.1	14.8	14.4	13.7	12.1	13.0	15.8	16.8	17.0	15.2
	MAXIMUM	43.4	44.3	47.6	49.2	40.4	38.5	34.2	72.9	38.1	42.2	43.2	49.4	72.9
	YEAR	1996	1999	1993	1991	1994	1994	1999	1999	1991	1995	1995	1992	AUG/1999
	# OBS	7445	6613	6584	6409	6716	7019	6821	7096	7138	6408	6258	8732	83239

STATION: 42020 -- POR (5/1990 - 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
1990	MEAN	-	-	-	-	1.2	1.1	1.0	0.8	0.8	1.1	1.5	1.5	1.1
	MAXIMUM	-	-	-	-	1.8	2.7	2.4	2.7	3.0	3.7	4.9	4.0	4.9
	DAY-HR	-	-	-	-	31-18	02-15	16-20	08-11	24-00	10-04	29-19	07-14	NOV
	# OBS	-	-	-	-	174	710	739	741	714	380	584	742	4784
1991	MEAN	1.5	1.4	1.6	1.4	1.4	1.2	0.7	0.7	1.1	1.4	-	1.7	1.4
	MAXIMUM	3.0	3.6	2.9	3.0	3.3	3.9	2.0	1.4	3.0	3.8	-	4.6	4.6
	DAY-HR	21-07	20-09	16-18	13-20	23-14	29-03	01-00	27-03	20-07	07-00	-	20-07	DEC
	# OBS	743	672	742	719	644	543	118	435	719	145	-	655	6135
1992	MEAN	1.5	1.1	1.2	1.2	1.1	0.9	1.1	0.6	1.2	1.4	1.7	1.4	1.2
	MAXIMUM	3.7	3.8	3.7	3.4	2.2	2.1	2.1	2.7	3.4	3.5	4.4	4.5	4.5
	DAY-HR	13-22	05-11	10-17	29-12	11-02	15-10	02-13	26-05	30-00	23-07	04-17	13-21	DEC
	# OBS	742	689	741	720	740	719	741	736	713	738	693	736	8708
1993	MEAN	1.5	1.5	1.4	1.6	1.2	1.4	1.7	-	-	-	0.7	1.5	1.5
	MAXIMUM	5.0	3.5	6.1	3.9	3.0	4.6	2.3	-	-	-	1.1	3.9	6.1
	DAY-HR	24-14	15-18	13-05	24-12	06-03	19-15	05-16	-	-	-	30-23	24-15	MAR
	# OBS	735	670	724	708	739	715	180	-	-	-	9	742	5222
1994	MEAN	1.8	1.6	1.3	1.3	1.1	1.1	1.1	0.9	0.9	1.3	1.6	1.4	1.3
	MAXIMUM	3.9	4.0	3.7	4.3	2.9	2.3	2.1	2.1	2.4	3.0	3.6	3.3	4.3
	DAY-HR	07-20	13-14	09-14	06-12	14-23	15-11	14-09	31-14	23-07	09-09	27-15	28-12	APR
	# OBS	743	651	743	719	737	718	726	738	708	736	712	742	8673
1995	MEAN	1.6	1.4	1.6	1.6	1.6	1.1	1.0	0.9	0.9	2.1	1.6	1.5	1.4
	MAXIMUM	3.8	3.6	4.0	3.9	3.8	2.8	2.9	2.7	3.8	4.5	4.8	4.9	4.9
	DAY-HR	23-11	08-07	08-11	11-13	08-08	11-14	05-09	12-13	22-17	29-09	11-16	22-10	DEC
	# OBS	741	668	730	716	742	714	735	741	713	738	712	738	8688
1996	MEAN	1.8	1.5	1.7	1.5	1.3	1.1	1.0	1.1	0.9	1.9	1.7	1.5	1.4
	MAXIMUM	4.9	3.7	5.6	3.9	2.1	2.7	1.7	3.2	3.0	6.8	3.7	3.9	6.8
	DAY-HR	18-07	29-07	07-14	06-06	27-12	23-20	10-00	24-04	28-09	06-10	29-14	18-11	OCT
	# OBS	737	687	739	731	735	715	838	748	718	734	688	735	8805
1997	MEAN	1.6	-	-	-	-	-	-	-	-	-	1.5	1.4	1.5
	MAXIMUM	5.1	-	-	-	-	-	-	-	-	-	3.6	3.7	5.1
	DAY-HR	12-18	-	-	-	-	-	-	-	-	-	15-22	27-00	JAN
	# OBS	737	-	-	-	-	-	-	-	-	-	523	737	1997

1998	MEAN	1.3	1.5	1.7	1.4	1.1	1.4	1.0	0.8	1.4	1.6	1.7	-	1.3
	MAXIMUM	2.5	3.5	4.3	2.9	2.2	2.3	2.3	2.9	5.1	3.6	3.4	-	5.1
	DAY-HR	02-15	15-14	16-07	29-23	15-13	11-09	03-21	22-06	10-01	22-23	05-13	-	SEP
	# OBS	710	664	710	689	714	687	737	786	679	730	221	-	7327
1999	MEAN	-	-	-	-	-	1.6	1.0	0.8	1.0	1.3	1.2	1.6	1.2
	MAXIMUM	-	-	-	-	-	1.8	2.8	8.2	3.4	2.7	3.7	4.6	8.2
	DAY-HR	-	-	-	-	-	30-13	04-02	22-19	29-18	20-20	25-11	04-07	AUG
	# OBS	-	-	-	-	-	23	682	729	707	728	712	737	4318
2000	MEAN	1.6	1.6	-	-	-	-	0.8	0.9	1.1	1.6	1.9	1.5	1.3
	MAXIMUM	3.6	4.6	-	-	-	-	1.6	3.3	3.0	4.3	3.6	3.6	4.6
	DAY-HR	27-19	02-14	-	-	-	-	11-16	15-11	25-18	08-18	06-06	12-09	FEB
	# OBS	730	584	-	-	-	-	510	743	710	729	192	662	4860
2001	MEAN	1.5	1.4	1.3	1.7	1.3	1.1	0.9	1.1	1.2	1.4	1.4	1.4	1.3
	MAXIMUM	4.1	3.4	3.4	3.6	2.6	2.9	1.6	2.0	2.7	3.3	3.0	4.1	4.1
	DAY-HR	02-23	10-03	19-03	18-00	22-18	15-19	27-19	31-17	25-16	16-15	28-11	08-23	DEC
	# OBS	714	643	709	709	740	713	740	682	699	732	695	687	8463
POR	MEAN	1.6	1.4	1.5	1.5	1.2	1.2	1.0	0.9	1.0	1.5	1.5	1.5	1.3
	MAXIMUM	5.1	4.6	6.1	4.3	3.8	4.6	2.9	8.2	5.1	6.8	4.9	4.9	8.2
	YEAR	1997	2000	1993	1994	1995	1993	1995	1999	1998	1996	1990	1995	AUG/1999
	# OBS	7332	5928	5838	5711	5965	6257	6746	7079	7080	6390	5741	7913	77980

STATION: 42020

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	0.0	*	-	*	*	-	*	-	*	*	-	-	*	0.1	10	
1 - 3		0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.3	2.5	188	
4 - 6		0.5	0.5	0.6	0.8	0.8	1.1	0.9	0.7	0.4	0.3	0.3	0.4	7.4	550	
7 - 10		1.5	1.7	1.2	1.8	2.9	3.0	1.8	1.2	0.6	0.6	0.7	1.0	18.1	1348	
11 - 15		3.8	2.6	1.9	2.3	4.8	7.7	3.6	1.0	0.6	0.3	0.9	2.1	31.8	2365	
16 - 20		5.2	3.0	1.0	2.0	3.0	5.7	2.8	0.3	0.1	0.2	0.7	2.4	26.5	1973	
21 - 24		3.0	1.5	0.2	0.5	0.5	1.6	1.0	*	-	0.1	0.7	1.3	10.2	761	
25 - 33		1.1	0.4	0.1	-	0.1	0.3	0.2	-	-	*	0.4	0.8	3.4	250	
34 - 47		*	-	-	-	-	-	-	-	-	-	-	-	0.0	2	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %		0.0	15.4	9.8	5.3	7.7	12.3	19.7	10.5	3.6	1.9	1.6	3.8	100.0		
TOTAL N		1	1145	732	394	575	919	1469	785	266	139	118	284	620	7447	
(* < 0.05%)																

(* < 0.05%)

STATION: 42020

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

Month: FEB

		WIND DIRECTION													TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.1	*	-	-	-	*	*	-	-	-	*	*	*	0.2	11	
1 - 3		0.5	0.5	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.2	0.2	0.3	4.3	282	
4 - 6		0.7	0.8	1.1	1.6	1.6	1.3	0.8	0.4	0.2	0.3	0.4	0.4	9.6	638	
7 - 10		1.6	1.8	1.8	2.7	4.3	4.3	1.8	0.9	0.3	0.5	0.5	1.1	21.6	1427	
11 - 15		2.3	1.9	1.6	2.8	7.3	8.9	3.5	1.0	0.3	0.2	0.4	1.7	31.9	2112	
16 - 20		2.6	2.6	1.5	1.4	3.1	5.7	2.7	0.5	0.1	0.2	0.3	1.4	21.9	1450	
21 - 24		2.1	1.7	0.3	0.1	0.4	1.1	0.5	*	-	*	0.2	0.9	7.4	488	
25 - 33		1.1	0.6	0.1	*	*	0.2	0.1	-	-	-	0.2	0.6	3.1	203	
34 - 47		-	-	-	-	-	-	-	-	-	-	*	0.1	0.1	5	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.1	10.9	9.9	6.9	9.2	17.2	21.9	9.6	3.0	1.2	1.4	2.3	6.5	100.0		
TOTAL N	5	719	658	455	609	1136	1448	635	197	80	92	153	429		6616	
(* < 0.05%)																

(* < 0.05%)

STATION: 42020

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

Month: MAR

		WIND DIRECTION													TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.1	*	*	-	*	*	-	*	-	*	*	-	-	0.3	19	
1 - 3		0.3	0.6	0.4	0.7	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.2	4.0	266	
4 - 6		0.8	0.8	1.4	1.6	1.3	1.1	0.5	0.4	0.3	0.3	0.4	0.6	9.6	634	
7 - 10		1.2	1.6	2.7	3.7	5.2	4.4	1.6	0.5	0.3	0.4	0.7	1.0	23.4	1544	
11 - 15		3.1	3.2	2.9	3.1	8.2	6.1	2.6	0.3	0.3	0.2	1.0	1.7	32.7	2151	
16 - 20		3.1	1.9	2.1	1.7	3.5	4.7	1.7	0.3	*	0.2	0.7	1.4	21.2	1399	

21 - 24	1.4	0.8	0.3	0.6	0.6	0.5	0.7	*	-	-	0.4	0.8	6.2	409
25 - 33	0.8	0.1	*	0.1	0.1	*	*	-	-	-	0.3	0.9	2.3	149
34 - 47	0.1	-	-	-	-	-	-	-	-	*	*	0.1	0.2	16
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	10.8	8.9	9.9	11.5	19.2	17.3	7.5	1.7	1.2	1.4	3.7	6.8	100.0
TOTAL N	8	710	586	653	756	1264	1137	493	115	81	91	246	447	6587
(* < 0.05%)														

STATION: 42020

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

Month: APR

WIND DIRECTION															
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
0	0.1	-	-	*	-	-	*	-	-	-	-	-	-	0.1	8
1 - 3		0.2	0.3	0.4	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.1	3.0	191
4 - 6		0.6	1.2	1.2	1.8	2.0	1.1	0.5	0.2	0.1	0.1	0.2	0.3	9.4	601
7 - 10		0.9	1.6	2.9	5.2	6.9	4.9	1.7	0.3	0.1	0.2	0.2	0.6	25.5	1634
11 - 15		1.7	2.8	3.7	4.4	9.5	10.9	1.7	0.1	0.1	0.1	0.2	0.3	35.5	2273
16 - 20		2.2	1.4	1.2	0.8	5.0	7.3	1.6	*	*	-	*	0.9	20.4	1308
21 - 24		1.1	0.6	0.2	*	0.7	1.4	0.3	-	-	-	*	0.2	4.6	295
25 - 33		0.6	0.3	*	0.1	0.1	0.2	0.1	-	-	-	*	0.1	1.5	95
34 - 47		*	*	-	-	-	-	-	-	-	-	-	-	0.0	3
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	7.3	8.2	9.6	12.8	24.5	26.1	6.2	0.8	0.5	0.5	0.7	2.6	100.0	
TOTAL N	6	466	525	616	819	1573	1672	398	54	30	34	46	169		6408
(* < 0.05%)															

STATION: 42020

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

Month: MAY

WIND DIRECTION															
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
0	0.0	-	-	-	-	*	-	-	*	*	-	-	-	0.1	5
1 - 3		0.1	0.2	0.3	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	2.3	156
4 - 6		0.1	0.4	0.9	1.3	1.5	1.1	0.7	0.1	0.1	0.1	0.1	0.2	6.6	442
7 - 10		0.4	0.8	2.3	5.0	7.0	5.7	1.3	0.2	0.2	0.1	0.1	0.4	23.7	1597
11 - 15		0.8	1.5	2.3	5.4	16.8	15.2	2.2	0.1	0.2	0.1	0.1	0.3	44.9	3030
16 - 20		0.6	0.7	1.0	1.3	5.6	9.8	1.2	*	*	*	-	0.1	20.5	1384
21 - 24		0.1	0.2	0.1	0.1	0.2	0.7	0.1	-	*	-	-	*	1.7	117
25 - 33		-	-	-	*	*	0.1	-	-	-	-	*	*	0.2	16
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
TOTAL %	0.0	2.2	3.8	6.9	13.6	31.6	32.8	5.9	0.7	0.6	0.4	0.4	1.0	100.0	
TOTAL N	1	151	255	463	920	2131	2216	398	46	40	30	27	70		6748
(* < 0.05%)															

STATION: 42020

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

Month: JUN

WIND DIRECTION															
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
0	0.0	*	*	*	-	*	*	-	-	-	-	*	-	0.1	10
1 - 3		0.3	0.3	0.4	0.4	0.3	0.5	0.4	0.4	0.2	0.2	0.1	0.2	3.6	255
4 - 6		0.3	0.5	0.6	1.3	1.5	1.6	1.3	0.6	0.3	0.2	0.2	0.2	8.4	596
7 - 10		0.2	0.8	1.7	3.0	6.8	6.7	2.9	1.0	0.2	0.1	0.1	0.2	23.8	1681
11 - 15		0.5	0.3	1.0	3.7	13.9	16.8	5.1	0.5	0.1	0.1	0.1	0.1	42.2	2982
16 - 20		0.2	0.1	0.3	0.6	6.5	9.6	2.5	0.1	-	-	*	*	19.8	1401
21 - 24		*	0.1	*	*	0.3	1.0	0.2	*	-	-	-	-	1.7	117
25 - 33		*	0.1	-	-	0.1	0.1	*	*	-	-	-	-	0.2	16
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	1.5	2.1	4.0	9.1	29.4	36.2	12.4	2.6	0.8	0.6	0.5	0.8	100.0	
TOTAL N	1	106	148	285	639	2073	2555	878	182	55	39	38	59		7058
(* < 0.05%)															

STATION: 42020

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

Month: JUL

WIND DIRECTION															
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
0	0.1	*	*	*	*	*	-	*	-	*	*	-	*	0.3	22
1 - 3		0.2	0.2	0.1	0.5	0.5	0.5	0.4	0.4	0.3	0.1	0.2	0.2	3.5	239

4 - 6	0.1	0.3	0.2	1.1	1.5	2.5	1.6	0.7	0.1	0.1	*	*	8.4	571
7 - 10	0.3	0.4	0.5	3.3	6.7	9.7	5.4	0.9	0.1	0.1	0.1	0.1	27.5	1877
11 - 15	0.2	0.2	0.3	2.5	9.8	22.1	8.9	0.3	0.1	-	*	0.1	44.6	3048
16 - 20	*	*	*	0.3	1.8	9.6	3.3	*	-	-	-	0.1	15.1	1035
21 - 24	-	-	*	-	*	0.5	0.1	-	-	-	-	-	0.6	41
25 - 33	-	-	-	-	-	*	-	-	-	-	-	-	0.0	2
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	0.7	1.1	1.3	7.7	20.4	44.8	19.8	2.3	0.7	0.3	0.3	0.5	100.0
TOTAL N	9	50	72	92	526	1395	3063	1353	157	45	21	18	34	6835
(* < 0.05%)														

STATION: 42020

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

Month: AUG

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	*	*	-	*	*	*	*	*	*	-	*	-	*	0.5	38
1 - 3		0.3	0.5	0.7	0.9	0.9	0.9	0.6	0.4	0.2	0.3	0.2	0.4	6.4	455	
4 - 6		0.3	0.8	1.9	2.3	2.9	2.8	1.6	1.0	0.5	0.3	0.2	0.2	14.8	1049	
7 - 10		0.5	1.6	3.4	5.5	8.3	8.0	4.2	1.2	0.3	0.1	0.1	0.2	33.5	2379	
11 - 15		0.4	1.0	2.3	3.9	8.2	13.5	6.4	0.5	0.1	0.1	*	0.1	36.4	2582	
16 - 20		0.2	0.1	0.2	1.1	0.9	3.2	1.7	0.1	*	*	*	0.1	7.7	543	
21 - 24		*	*	-	0.1	*	*	0.1	*	-	-	*	*	0.4	25	
25 - 33		*	*	-	-	*	0.1	0.1	-	-	-	-	-	0.2	13	
34 - 47		-	0.1	-	-	*	*	-	-	-	-	-	-	0.1	7	
> 48		-	-	*	*	*	-	-	-	-	-	-	-	0.1	7	
TOTAL %		0.3	1.7	4.1	8.6	13.8	21.4	28.6	14.8	3.2	1.1	0.8	0.6	1.0	100.0	
TOTAL N		22	123	292	610	978	1516	2027	1051	226	76	58	46	73		7098
(* < 0.05%)																

STATION: 42020

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

Month: SEP

WIND SPEED		WIND DIRECTION												TOT %	TOT N
		CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31		
0	0.1	*	0.1	*	*	-	-	-	*	-	-	*	-	0.2	17
1 - 3		0.4	0.8	0.6	0.7	0.6	0.5	0.5	0.3	0.3	0.3	0.2	0.2	5.3	381
4 - 6		0.6	1.4	1.8	2.0	2.1	2.1	1.1	0.5	0.3	0.3	0.3	0.4	12.8	913
7 - 10		1.2	2.8	4.8	6.2	6.6	7.2	2.7	0.8	0.4	0.3	0.2	0.4	33.7	2404
11 - 15		1.6	4.4	4.2	4.0	6.4	10.1	3.1	0.5	0.2	*	0.1	0.5	35.1	2509
16 - 20		1.9	2.0	0.8	0.3	0.4	2.1	1.7	0.2	0.1	*	*	0.2	9.7	692
21 - 24		0.6	0.7	0.2	*	0.1	0.2	0.3	-	0.1	*	*	0.1	2.3	164
25 - 33		0.4	0.2	*	-	-	*	*	-	0.1	-	*	0.1	0.9	63
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %		0.1	6.8	12.4	12.3	13.3	16.2	22.1	9.4	2.3	1.5	1.0	0.9	1.8	100.0
TOTAL N		6	485	883	881	948	1158	1578	673	165	109	68	62	128	7144
(* < 0.05%)															

STATION: 42020

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

Month: OCT

WIND SPEED		WIND DIRECTION												TOT %	TOT N
		CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31		
0	0.0	*	*	-	-	*	-	*	*	*	-	-	-	0.2	11
1 - 3		0.2	0.3	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	2.3	150
4 - 6		0.5	1.1	1.7	1.7	1.1	1.0	0.7	0.2	0.1	0.1	0.1	0.3	8.9	570
7 - 10		1.6	3.0	3.8	4.8	4.4	3.9	1.9	0.3	0.2	0.1	0.1	0.6	24.5	1569
11 - 15		2.0	3.5	5.0	4.7	8.3	9.6	3.2	0.2	0.1	0.2	*	0.4	37.3	2392
16 - 20		2.2	2.8	2.2	0.9	2.6	5.4	1.2	-	*	-	0.1	0.9	18.5	1184
21 - 24		1.6	1.0	1.0	0.2	0.4	0.8	0.3	*	-	-	*	0.7	6.0	386
25 - 33		1.3	0.6	0.1	0.1	0.1	-	-	-	-	-	*	0.1	2.3	149
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %		0.0	9.5	12.4	14.0	12.9	17.1	21.0	7.5	0.8	0.6	0.5	0.5	3.2	100.0
TOTAL N		3	609	794	899	829	1095	1345	479	52	39	29	34	204	6411
(* < 0.05%)															

STATION: 42020

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

Month: NOV

STATION: 42020

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	0.1	*	*	*	*	*	*	*	*	*	*	-	-	0.2	32
1 - 3		0.2	0.4	0.4	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.1	3.1	613
4 - 6		0.5	0.8	1.2	1.6	1.6	1.1	0.5	0.2	0.2	0.2	0.2	0.4	8.5	1677
7 - 10		0.8	1.4	2.6	4.6	6.4	5.0	1.6	0.4	0.2	0.2	0.4	0.7	24.2	4775
11 - 15		1.8	2.4	2.9	4.3	11.6	10.8	2.2	0.2	0.2	0.1	0.4	0.8	37.8	7454
16 - 20		1.9	1.3	1.4	1.3	4.7	7.3	1.5	0.1	*	0.1	0.2	0.8	20.7	4091
21 - 24		0.9	0.5	0.2	0.3	0.5	0.9	0.4	*	*	-	0.2	0.4	4.2	821
25 - 33		0.4	0.1	*	0.1	0.1	0.1	0.1	-	-	-	0.1	0.3	1.3	260
34 - 47		*	*	-	-	-	-	-	-	-	*	*	*	0.1	19
> 48		-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
TOTAL %	0.1	6.7	6.9	8.8	12.6	25.2	25.5	6.5	1.1	0.8	0.8	1.6	3.5	100.0	
TOTAL N	15	1327	1366	1732	2495	4968	5025	1289	215	151	155	319	686		19743

(* < 0.05%)

STATION: 42020

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	*	*	*	*	*	*	*	*	*	*	*	*	0.3	70
1 - 3		0.3	0.3	0.4	0.6	0.6	0.6	0.4	0.4	0.2	0.2	0.2	0.3	4.5	949
4 - 6		0.2	0.5	0.9	1.6	2.0	2.3	1.5	0.8	0.3	0.2	0.1	0.1	10.6	2216
7 - 10		0.3	0.9	1.9	4.0	7.3	8.1	4.2	1.0	0.2	0.1	0.1	0.2	28.3	5937
11 - 15		0.4	0.5	1.2	3.4	10.6	17.4	6.8	0.4	0.1	*	*	0.1	41.0	8612
16 - 20		0.1	0.1	0.2	0.6	3.1	7.4	2.5	0.1	*	*	*	0.1	14.2	2979
21 - 24		*	*	*	*	0.1	0.5	0.1	*	-	-	*	*	0.9	183
25 - 33		*	*	-	-	*	0.1	*	*	-	-	-	-	0.1	31
34 - 47		-	*	-	-	*	*	-	-	-	-	-	-	0.0	7
> 48		-	-	*	*	*	-	-	-	-	-	-	-	0.0	7
TOTAL %	0.2	1.3	2.4	4.7	10.2	23.7	36.4	15.6	2.7	0.8	0.6	0.5	0.8	100.0	
TOTAL N	32	279	512	987	2143	4984	7645	3282	565	176	118	102	166		20991

(* < 0.05%)

STATION: 42020

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	0.1	*	*	*	*	*	*	*	*	*	-	*	*	0.2	38
1 - 3		0.3	0.5	0.4	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.2	3.5	697
4 - 6		0.5	1.1	1.4	1.6	1.5	1.5	0.8	0.4	0.2	0.2	0.3	0.3	9.8	1951
7 - 10		1.4	2.6	3.9	4.8	5.1	4.9	2.1	0.5	0.3	0.3	0.3	0.5	26.7	5291
11 - 15		2.0	3.7	4.1	3.9	7.0	9.3	3.3	0.3	0.2	0.2	0.3	0.7	35.0	6936
16 - 20		2.5	2.4	1.6	0.8	2.2	4.5	2.0	0.1	*	0.1	0.2	0.9	17.3	3435
21 - 24		1.2	0.9	0.6	0.2	0.4	0.9	0.5	*	*	*	0.1	0.6	5.5	1088
25 - 33		0.8	0.4	*	*	*	0.1	0.1	-	*	-	0.2	0.2	1.9	383
34 - 47		-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48		-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.1	8.7	11.5	12.0	12.0	16.7	21.5	9.0	1.6	1.0	0.9	1.5	3.5	100.0	
TOTAL N	10	1717	2286	2380	2373	3301	4256	1790	324	206	184	306	688		19821

(* < 0.05%)

STATION: 42020

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	-	0.1	7
1 - 3	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	7
4 - 6	0.1	1.9	0.2	*	-	-	-	-	-	-	-	-	-	-	-	2.3	170
7 - 10	0.4	5.5	0.8	*	-	-	-	-	-	-	-	-	-	-	-	6.8	497
11 - 15	0.8	12.8	2.9	0.1	-	-	-	-	-	-	-	-	-	-	-	16.5	1208
16 - 20	0.3	17.6	11.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	29.5	2165
21 - 24	-	4.9	15.8	2.8	0.1	-	-	-	-	-	-	-	-	-	-	23.7	1738
25 - 33	-	0.3	4.6	4.1	0.2	-	-	-	-	-	-	-	-	-	-	9.3	679
34 - 47	-	0.1	0.5	1.6	0.7	0.1	-	-	-	-	-	-	-	-	-	2.9	211
> 48	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.6	4.4	2.0	1.0	0.7	0.2	-	-	-	-	-	-	-	-	-	8.9	655
TOTAL %	2.3	47.6	38.0	10.1	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	166	3488	2787	742	128	21	0	0	0	0	0	0	0	0	0		7332

(* < 0.05%)

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

[illegible]

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

		WAVE HEIGHT																	
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N	
WIND SPEED		0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4				
	0	-	0.3	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	19	
1	- 3	0.3	2.8	0.9	0.1	-	-	-	-	-	-	-	-	-	-	-	4.2	243	
4	- 6	0.9	6.8	1.8	0.3	*	-	-	-	-	-	-	-	-	-	-	9.8	570	
7	- 10	1.9	16.3	4.9	0.4	*	-	-	-	-	-	-	-	-	-	-	23.5	1370	
11	- 15	0.3	18.0	13.7	0.9	0.1	-	-	-	-	-	-	-	-	-	-	33.0	1924	
16	- 20	*	4.7	13.9	1.9	0.2	-	-	-	-	-	-	-	-	-	-	20.8	1212	
21	- 24	-	0.4	3.2	2.2	0.3	-	-	-	-	-	-	-	-	-	-	6.1	357	
25	- 33	-	0.1	0.3	0.9	0.5	0.2	0.1	-	-	-	-	-	-	-	-	2.2	126	
34	- 47	-	-	-	*	*	0.2	0.1	-	-	-	-	-	-	-	-	0.3	15	
> 48		-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2	
TOTAL %		3.4	49.3	38.9	6.7	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		
TOTAL N		198	2879	2272	393	67	23	6	0	0	0	0	0	0	0	0		5838	

(* < 0.05%)

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

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED		0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	-	-
	0	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	8
1	- 3	0.3	2.3	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	3.0	172
4	- 6	0.3	7.3	2.0	*	-	-	-	-	-	-	-	-	-	-	-	9.6	546
7	- 10	0.5	17.4	7.7	0.2	-	-	-	-	-	-	-	-	-	-	-	25.7	1466
11	- 15	0.1	20.5	13.8	0.6	-	-	-	-	-	-	-	-	-	-	-	35.1	2002
16	- 20	-	5.3	12.7	2.0	-	-	-	-	-	-	-	-	-	-	-	20.1	1146
21	- 24	-	0.2	2.3	2.0	0.1	-	-	-	-	-	-	-	-	-	-	4.6	262
25	- 33	-	0.1	0.4	0.8	0.3	-	-	-	-	-	-	-	-	-	-	1.6	90
34	- 47	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.1	3
	> 48	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.3	16
TOTAL %		1.2	53.3	39.3	5.8	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		68	3045	2243	333	22	0	0	0	0	0	0	0	0	0	0		5711

(* < 0.05%)

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

[illegible]

21	-	24	-	0.2	1.2	0.3	*	-	-	-	-	-	-	-	-	-	1.7	102
25	-	33	-	*	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	0.3	15
34	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
>	48		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %			0.9	70.6	27.1	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N			52	4211	1618	78	6	0	0	0	0	0	0	0	0	0		5965
(* < 0.05%)																		

STATION: 42020

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

Month: JUN

			WAVE HEIGHT																
WIND SPEED			0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
0			0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4		0.1	9
1	-	3	0.9	2.6	0.2	*	-	-	-	-	-	-	-	-	-	-	-	3.7	230
4	-	6	1.5	6.6	0.5	-	-	-	-	-	-	-	-	-	-	-	-	8.6	536
7	-	10	1.6	21.1	1.8	0.1	-	-	-	-	-	-	-	-	-	-	-	24.5	1535
11	-	15	0.2	32.6	9.1	0.2	-	-	-	-	-	-	-	-	-	-	-	42.1	2633
16	-	20	-	6.9	11.1	0.9	0.1	-	-	-	-	-	-	-	-	-	-	19.0	1188
21	-	24	-	0.1	1.2	0.4	*	*	-	-	-	-	-	-	-	-	-	1.8	110
25	-	33	-	*	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	0.3	16
34	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %			4.3	69.9	23.9	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N			267	4376	1495	106	12	1	0	0	0	0	0	0	0	0	0		6257
(* < 0.05%)																			

STATION: 42020

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

Month: JUL

			WAVE HEIGHT														TOT %	TOT N	
WIND SPEED			0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-			>13.4
0			0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.3	20
1 - 3			0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	221
4 - 6			1.3	1.9	*	-	-	-	-	-	-	-	-	-	-	-	-	8.4	566
7 - 10			1.5	6.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	27.6	1862
11 - 15			2.1	24.7	0.8	-	-	-	-	-	-	-	-	-	-	-	-	44.7	3016
16 - 20			0.4	39.3	4.8	0.2	-	-	-	-	-	-	-	-	-	-	-	15.1	1019
21 - 24			-	8.6	6.0	0.5	-	-	-	-	-	-	-	-	-	-	-	0.6	40
25 - 33			-	-	0.4	0.2	-	-	-	-	-	-	-	-	-	-	-	0.0	2
34 - 47			-	*	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %			5.5	81.4	12.2	0.9	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			369	5492	826	59	0	0	0	0	0	0	0	0	0	0	0		6746
(* < 0.05%)																			

STATION: 42020

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

Month: AUG

			WAVE HEIGHT																
			0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WIND SPEED			0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
0			0.3	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	0.5	38
1	-	3	2.9	3.4	0.1	*	-	-	-	-	-	-	-	-	-	-	-	6.4	454
4	-	6	4.9	9.4	0.4	*	-	-	-	-	-	-	-	-	-	-	-	14.8	1046
7	-	10	5.5	26.5	1.4	0.2	-	-	-	-	-	-	-	-	-	-	-	33.5	2373
11	-	15	0.9	32.1	3.1	0.2	-	-	-	-	-	-	-	-	-	-	-	36.4	2574
16	-	20	*	4.5	2.7	0.4	-	-	-	-	-	-	-	-	-	-	-	7.6	541
21	-	24	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.3	24
25	-	33	-	*	0.1	*	*	*	-	-	-	-	-	-	-	-	-	0.2	13
34	-	47	-	-	-	-	*	*	*	*	-	-	-	-	-	-	-	0.1	7
> 48			-	*	-	-	-	-	-	*	0.1	-	-	-	-	-	-	0.1	9
TOTAL %			14.5	76.2	8.0	1.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N			1029	5396	566	70	4	1	3	5	5	0	0	0	0	0	0		7079
(* < 0.05%)																			

STATION: 42020

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

Month: SEP

WAVE HEIGHT

[illegible]

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

WAVE HEIGHT

[illegible]

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

WAVE HEIGHT

[illegible]

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

WAVE HEIGHT

[illegible]

[illegible]

[illegible]

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

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WAVE PERIOD		0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
< 0.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4		1.3	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	133
3.5 - 4.4		0.2	4.1	*	-	-	-	-	-	-	-	-	-	-	-	-	4.3	252
4.5 - 5.4		0.5	8.3	1.6	-	-	-	-	-	-	-	-	-	-	-	-	10.3	602
5.5 - 6.4		0.3	18.5	7.9	0.3	-	-	-	-	-	-	-	-	-	-	-	27.0	1578
6.5 - 7.4		0.4	9.7	14.0	1.3	0.1	-	-	-	-	-	-	-	-	-	-	25.5	1487
7.5 - 8.4		0.6	6.5	10.9	3.1	0.4	0.1	-	-	-	-	-	-	-	-	-	21.6	1260
8.5 - 9.4		0.1	1.3	2.6	1.2	0.5	0.2	0.1	-	-	-	-	-	-	-	-	6.0	348
9.5 - 10.4		-	0.1	1.8	0.7	0.1	0.1	*	-	-	-	-	-	-	-	-	2.9	167
10.5 - 11.4		-	-	*	0.2	*	-	-	-	-	-	-	-	-	-	-	0.2	11
TOTAL %		3.4	49.3	38.9	6.7	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		198	2879	2272	393	67	23	6	0	0	0	0	0	0	0	0		5838
(* < 0.05%)																		

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

[illegible]

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

		WAVE HEIGHT															TOT %	TOT N
WAVE PERIOD		0.0- < 0.5	0.5- 0.5	1.5- 1.5	2.5- 2.4	3.5- 3.4	4.5- 4.4	5.5- 5.4	6.5- 6.4	7.5- 7.4	8.5- 8.4	9.5- 9.4	10.5- 10.4	11.5- 11.4	12.5- 12.4	>13.4		
0.5 - 1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4		0.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	44
3.5 - 4.4		0.3	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	288
4.5 - 5.4		0.1	15.2	1.1	-	-	-	-	-	-	-	-	-	-	-	-	16.3	974
5.5 - 6.4		0.2	25.8	8.2	*	-	-	-	-	-	-	-	-	-	-	-	34.2	2038
6.5 - 7.4		0.1	17.3	10.4	0.3	-	-	-	-	-	-	-	-	-	-	-	28.1	1675
7.5 - 8.4		0.1	6.7	7.1	0.6	0.1	-	-	-	-	-	-	-	-	-	-	14.6	868
8.5 - 9.4		-	0.5	0.4	0.3	-	-	-	-	-	-	-	-	-	-	-	1.1	64
9.5 - 10.4		-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	12
10.5 - 11.4		-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %		0.9	70.6	27.1	1.3	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		52	4211	1618	78	6	0	0	0	0	0	0	0	0	0	0		5965
(* < 0.05%)																		

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

[illegible]

1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	21
3.5 - 4.4	0.5	27.0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	28.0	1669
4.5 - 5.4	0.2	40.1	19.1	0.1	-	-	-	-	-	-	-	-	-	-	-	59.4	3545
5.5 - 6.4	-	3.3	7.2	0.9	0.1	-	-	-	-	-	-	-	-	-	-	11.5	685
6.5 - 7.4	-	*	0.4	0.3	*	-	-	-	-	-	-	-	-	-	-	0.7	43
7.5 - 8.4	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.9	70.6	27.1	1.3	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	52	4211	1618	78	6	0	0	0	0	0	0	0	0	0	0		5965
(* < 0.05%)																	

STATION: 42020

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

Month: JUN

WAVE HEIGHT																	
WAVE PERIOD	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.0	2
0.5 - 1.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.4	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	58
3.5 - 4.4	3.0	32.8	0.4	-	-	-	-	-	-	-	-	-	-	-	-	36.2	2267
4.5 - 5.4	0.9	33.8	16.2	*	-	-	-	-	-	-	-	-	-	-	-	51.0	3190
5.5 - 6.4	*	2.7	6.6	1.2	-	-	-	-	-	-	-	-	-	-	-	10.6	662
6.5 - 7.4	-	-	0.6	0.4	0.2	-	-	-	-	-	-	-	-	-	-	1.2	75
7.5 - 8.4	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	4.3	69.9	23.9	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	267	4376	1495	106	12	1	0	0	0	0	0	0	0	0	0		6257
(* < 0.05%)																	

STATION: 42020

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

Month: JUL

WAVE HEIGHT																	
WAVE PERIOD	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	0.1	6
0.5 - 1.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.6	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	125
3.5 - 4.4	4.0	50.4	0.2	-	-	-	-	-	-	-	-	-	-	-	-	54.6	3683
4.5 - 5.4	0.8	28.9	8.6	*	-	-	-	-	-	-	-	-	-	-	-	38.3	2584
5.5 - 6.4	-	0.9	3.4	0.8	-	-	-	-	-	-	-	-	-	-	-	5.0	340
6.5 - 7.4	-	*	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	8
TOTAL %	5.5	81.4	12.2	0.9	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	369	5492	826	59	0	0	0	0	0	0	0	0	0	0	0		6746
(* < 0.05%)																	

STATION: 42020

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

Month: AUG

WAVE HEIGHT																	
WAVE PERIOD	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	-	1.5	107
0.5 - 1.4	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.0	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	317
3.5 - 4.4	9.4	53.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	62.7	4442
4.5 - 5.4	1.6	18.8	4.0	-	-	-	-	-	-	-	-	-	-	-	-	24.4	1730
5.5 - 6.4	*	1.4	3.0	0.5	*	-	-	-	-	-	-	-	-	-	-	4.9	349
6.5 - 7.4	-	0.4	0.6	0.4	*	*	*	-	-	-	-	-	-	-	-	1.5	108
7.5 - 8.4	-	-	0.1	*	-	-	*	0.1	0.1	-	-	-	-	-	-	0.2	16
8.5 - 9.4	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	4
9.5 - 10.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
10.5 - 11.4	-	-	-	*	-	-	-	*	-	-	-	-	-	-	-	0.1	4
TOTAL %	14.5	76.2	8.0	1.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1029	5396	566	70	4	1	3	5	5	0	0	0	0	0	0		7079
(* < 0.05%)																	

STATION: 42020

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

[illegible]

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

		WAVE HEIGHT																
		0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-	>13.4	TOT %	TOT N
WAVE PERIOD		0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4			
< 0.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4		0.1	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	32
3.5 - 4.4		2.0	20.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	22.4	1429
4.5 - 5.4		0.1	27.3	15.4	0.1	-	-	-	-	-	-	-	-	-	-	-	42.8	2738
5.5 - 6.4		-	5.3	13.6	4.9	0.8	-	-	-	-	-	-	-	-	-	-	24.6	1573
6.5 - 7.4		-	0.7	2.6	2.9	1.7	0.1	-	-	-	-	-	-	-	-	-	7.9	506
7.5 - 8.4		-	-	0.2	0.5	0.3	0.1	0.2	*	-	-	-	-	-	-	-	1.4	91
8.5 - 9.4		-	-	-	*	*	0.1	0.1	*	-	-	-	-	-	-	-	0.3	21
TOTAL %		2.1	53.9	31.9	8.4	2.9	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N		136	3445	2039	538	187	20	21	4	0	0	0	0	0	0	0		6390
(* < 0.05%)																		

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

[illegible]

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

[illegible]

0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.0	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	500
3.5 - 4.4	5.6	45.9	0.3	-	-	-	-	-	-	-	-	-	-	-	-	51.7	10392
4.5 - 5.4	1.1	26.9	9.4	*	-	-	-	-	-	-	-	-	-	-	-	37.4	7504
5.5 - 6.4	*	1.6	4.3	0.8	*	-	-	-	-	-	-	-	-	-	-	6.7	1351
6.5 - 7.4	-	0.1	0.4	0.3	0.1	*	*	*	*	-	-	-	-	-	-	1.0	191
7.5 - 8.4	-	-	*	*	*	*	*	*	*	-	-	-	-	-	-	0.1	19
8.5 - 9.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
9.5 - 10.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
10.5 - 11.4	-	-	-	*	-	-	-	-	*	-	-	-	-	-	-	0.0	4
TOTAL %	8.3	76.0	14.4	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	1665	15264	2887	235	16	2	3	5	5	0	0	0	0	0	0		20082
(* < 0.05%)																	

STATION: 42020

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

Months: SEP, OCT, NOV (Autumn)

WAVE HEIGHT																	
WAVE PERIOD	0.0-	0.5-	1.5-	2.5-	3.5-	4.5-	5.5-	6.5-	7.5-	8.5-	9.5-	10.5-	11.5-	12.5-		TOT %	TOT N
< 0.5	0.4	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	>13.4	0.0	2
0.5 - 1.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.9	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	346
3.5 - 4.4	3.8	25.9	0.2	-	-	-	-	-	-	-	-	-	-	-	-	29.9	5748
4.5 - 5.4	0.5	26.7	14.9	0.3	-	-	-	-	-	-	-	-	-	-	-	42.4	8150
5.5 - 6.4	*	4.8	10.9	4.7	0.4	-	-	-	-	-	-	-	-	-	-	20.9	4023
6.5 - 7.4	-	0.6	1.3	1.2	0.9	0.1	-	-	-	-	-	-	-	-	-	4.1	782
7.5 - 8.4	-	0.1	0.1	0.2	0.1	0.1	0.1	*	-	-	-	-	-	-	-	0.6	124
8.5 - 9.4	-	-	*	*	*	*	*	*	-	-	-	-	-	-	-	0.1	26
9.5 - 10.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.1	10
TOTAL %	5.2	59.0	27.5	6.5	1.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1004	11335	5285	1255	274	33	21	4	0	0	0	0	0	0	0		19211
(* < 0.05%)																	

STATION: 42020

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

Month: JAN

MEAN WAVE DIRECTION																
WAVE PERIOD	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	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0		
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0		
2.5 - 3.4	-	-	-	-	0.3	0.3	0.5	0.1	-	*	-	-	1.3	27		
3.5 - 4.4	0.3	0.3	0.4	0.3	0.8	1.9	1.2	0.5	-	0.2	0.2	0.2	6.3	136		
4.5 - 5.4	0.4	2.2	1.5	1.8	1.2	4.0	1.0	-	-	0.1	0.1	0.2	12.6	271		
5.5 - 6.4	0.8	3.2	5.2	3.6	6.2	5.9	4.0	-	-	-	-	0.8	29.8	641		
6.5 - 7.4	1.1	3.1	4.5	4.7	3.1	4.3	2.2	-	-	-	-	0.2	23.2	500		
7.5 - 8.4	0.1	0.7	2.5	8.0	5.7	1.4	0.4	-	-	-	-	-	18.9	406		
8.5 - 9.4	-	-	1.3	4.8	0.8	-	-	-	-	-	-	-	6.9	149		
9.5 - 10.4	-	-	0.1	0.6	0.3	-	-	-	-	-	-	-	1.0	22		
TOTAL %	2.7	9.5	15.6	23.8	18.4	17.8	9.4	0.6	0.0	0.4	0.3	1.5	100.0			
TOTAL N	58	205	336	512	397	383	202	12	0	8	7	32		2152		
(* < 0.05%)																

STATION: 42020

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

Month: FEB

MEAN WAVE DIRECTION																	
WAVE PERIOD	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	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0		
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0		
2.5 - 3.4	-	-	-	0.1	0.1	0.4	0.2	-	-	-	-	-	-	0.6	12		
3.5 - 4.4	0.1	0.3	0.1	0.3	0.8	1.5	0.1	-	-	-	-	-	-	3.2	60		
4.5 - 5.4	0.2	0.7	0.8	1.0	3.6	4.1	0.1	-	-	-	-	0.1	-	10.6	201		
5.5 - 6.4	0.3	2.5	3.5	4.3	6.1	6.7	0.6	-	-	-	-	0.1	-	24.1	455		
6.5 - 7.4	0.3	1.6	3.8	5.0	7.9	5.6	1.5	-	-	-	0.1	0.1	-	25.8	487		
7.5 - 8.4	-	0.4	2.0	10.5	4.5	3.8	1.7	0.1	-	-	-	-	-	22.8	432		
8.5 - 9.4	-	-	1.0	4.5	1.5	0.9	-	-	-	-	-	-	-	7.9	150		
9.5 - 10.4	-	-	0.8	3.0	0.3	-	-	-	-	-	-	-	-	4.1	78		
10.5 - 11.4	-	-	0.2	0.6	-	-	-	-	-	-	-	-	-	0.8	15		
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0		
12.5 - 13.4	-	-	-	0.1	-	-	-	-	-	-	-	-	-	0.1	1		

TOTAL %	0.8	5.4	12.1	29.4	24.9	22.9	4.1	0.1	0.0	0.0	0.1	0.2	100.0	
TOTAL N	16	103	229	556	470	433	78	1	0	0	1	4		1891

(* < 0.05%)

STATION: 42020

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

Month: MAR

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	-	0.1	0.2	0.4	0.3	1.5	1.1	0.1	-	-	-	0.1	3.9	55
3.5 - 4.4	0.3	0.4	0.6	0.1	0.6	0.7	1.1	-	-	-	0.3	0.2	4.4	62
4.5 - 5.4	0.5	2.7	2.4	0.3	0.7	0.9	0.4	-	-	-	0.3	0.8	8.9	127
5.5 - 6.4	0.7	5.9	5.3	3.0	3.7	2.9	1.1	-	-	-	-	0.2	22.8	324
6.5 - 7.4	1.1	2.4	3.5	5.6	6.3	4.9	0.6	-	-	-	-	0.8	25.2	358
7.5 - 8.4	0.4	0.1	1.3	7.5	10.8	1.8	0.1	-	-	-	-	-	21.8	310
8.5 - 9.4	-	-	-	7.5	2.0	-	-	-	-	-	-	-	9.4	134
9.5 - 10.4	-	-	-	2.2	1.3	-	-	-	-	-	-	-	3.5	49
TOTAL %	3.0	11.8	13.3	26.5	25.7	12.7	4.3	0.1	0.0	0.0	0.6	2.1	100.0	
TOTAL N	42	167	189	376	364	180	61	2	0	0	8	30		1419

(* < 0.05%)

STATION: 42020

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

Month: APR

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	-	0.1	0.1	-	-	-	-	-	-	0.1	2
3.5 - 4.4	-	0.4	0.2	0.2	0.3	0.3	1.2	-	-	-	-	-	2.6	36
4.5 - 5.4	-	1.7	1.9	1.2	1.4	0.4	0.4	-	-	-	-	-	6.9	97
5.5 - 6.4	0.1	1.4	2.6	2.9	5.2	1.6	1.6	-	-	-	-	-	15.5	217
6.5 - 7.4	0.1	0.6	3.6	7.9	12.6	4.9	0.5	-	-	-	-	-	30.3	423
7.5 - 8.4	-	0.6	4.2	10.6	21.1	2.9	0.2	-	-	-	-	-	39.6	554
8.5 - 9.4	-	-	0.1	0.6	4.0	-	-	-	-	-	-	-	4.7	66
9.5 - 10.4	-	-	0.1	-	0.1	-	-	-	-	-	-	-	0.2	3
TOTAL %	0.2	4.6	12.7	23.5	44.8	10.2	3.9	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3	65	178	329	626	143	54	0	0	0	0	0		1398

(* < 0.05%)

STATION: 42020

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

Month: MAY

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	0.1	0.3	0.1	-	-	-	-	-	-	0.5	7
3.5 - 4.4	-	-	-	0.1	0.7	5.4	1.2	-	-	-	-	-	7.4	107
4.5 - 5.4	-	-	-	0.8	5.1	8.4	3.1	-	-	-	-	-	17.4	253
5.5 - 6.4	0.1	-	-	5.7	11.3	10.6	3.2	-	-	-	-	-	30.8	448
6.5 - 7.4	0.1	0.4	0.8	10.0	16.0	1.9	0.1	-	-	-	-	-	29.4	428
7.5 - 8.4	-	0.3	0.6	6.5	5.0	0.8	-	-	-	-	-	-	13.1	190
8.5 - 9.4	-	-	-	1.2	-	-	-	-	-	-	-	-	1.2	18
9.5 - 10.4	-	-	-	0.2	-	-	-	-	-	-	-	-	0.2	3
TOTAL %	0.2	0.7	1.3	24.7	38.4	27.1	7.6	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3	10	19	359	559	394	110	0	0	0	0	0		1454

(* < 0.05%)

STATION: 42020

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

Month: JUN

WAVE PERIOD	MEAN WAVE DIRECTION												TOT %	TOT N
	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	0.1	0.4	0.8	-	-	-	-	-	-	1.2	17

3.5 - 4.4	-	0.4	0.1	0.4	2.1	5.6	0.4	0.1	-	0.1	0.2	-	9.4	132
4.5 - 5.4	-	-	0.4	0.1	2.4	8.4	0.7	-	-	-	-	-	12.0	168
5.5 - 6.4	-	0.3	1.1	0.6	12.6	12.8	0.5	-	-	-	-	-	28.0	392
6.5 - 7.4	-	-	0.6	0.9	21.2	7.1	-	-	-	-	-	-	29.7	416
7.5 - 8.4	-	-	-	1.5	13.5	1.9	-	-	-	-	-	-	16.9	237
8.5 - 9.4	-	-	-	0.6	1.9	-	-	-	-	-	-	-	2.5	35
9.5 - 10.4	-	-	-	0.1	0.1	-	-	-	-	-	-	-	0.1	2
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	0.1	-	-	-	-	-	-	-	0.1	1
TOTAL %	0.0	0.7	2.2	4.2	54.2	36.6	1.6	0.1	0.0	0.1	0.2	0.0	100.0	
TOTAL N	0	10	31	59	759	512	23	1	0	2	3	0		1400
(* < 0.05%)														

STATION: 42020

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

Month: JUL

MEAN WAVE DIRECTION														
WAVE PERIOD	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	0.2	-	-	-	-	-	-	-	-	-	-	-	0.2	6
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	*	0.2	1.5	0.4	0.3	-	-	-	-	2.3	62
3.5 - 4.4	-	-	*	0.1	0.6	9.2	7.4	0.1	-	-	-	-	17.4	463
4.5 - 5.4	-	-	0.1	0.2	4.4	23.1	10.7	0.2	-	-	-	-	38.6	1026
5.5 - 6.4	-	-	-	0.2	7.8	12.3	3.7	-	-	-	-	-	24.0	637
6.5 - 7.4	-	-	-	0.3	8.9	3.6	-	-	-	-	-	-	12.8	340
7.5 - 8.4	-	-	-	0.1	3.2	0.3	-	-	-	-	-	-	3.6	97
8.5 - 9.4	-	-	-	-	1.0	-	-	-	-	-	-	-	1.0	26
9.5 - 10.4	-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.2	0.0	0.1	0.9	26.1	49.9	22.2	0.5	0.0	0.0	0.0	0.0	100.0	
TOTAL N	6	0	3	25	695	1326	589	14	0	0	0	0		2658
(* < 0.05%)														

STATION: 42020

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

Month: AUG

MEAN WAVE DIRECTION														
WAVE PERIOD	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	3.6	-	-	-	-	-	-	-	-	-	-	-	3.6	107
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	*	0.1	0.1	1.0	1.4	1.7	0.2	0.2	-	-	-	-	4.8	142
3.5 - 4.4	-	*	0.4	2.0	3.4	4.1	1.3	0.1	-	-	*	-	11.4	336
4.5 - 5.4	-	*	0.7	4.4	9.1	15.3	5.9	*	-	*	0.1	-	35.6	1046
5.5 - 6.4	-	0.2	1.4	3.6	7.1	9.8	2.6	-	-	-	-	-	24.7	725
6.5 - 7.4	-	-	0.4	3.6	2.7	3.2	0.1	-	-	-	-	-	10.0	293
7.5 - 8.4	-	-	0.4	1.8	2.3	1.2	0.2	-	-	-	-	-	6.0	176
8.5 - 9.4	-	-	0.5	0.4	0.3	0.2	0.1	*	-	-	-	-	1.6	46
9.5 - 10.4	-	-	0.1	0.3	0.3	0.3	*	-	-	-	-	-	1.1	31
10.5 - 11.4	-	-	-	0.4	0.1	0.2	-	-	-	-	-	-	0.7	20
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	0.1	0.3	0.1	-	-	-	-	-	-	0.5	14
TOTAL %	3.7	0.4	4.2	17.5	27.0	36.1	10.5	0.4	0.0	0.0	0.1	0.0	100.0	
TOTAL N	108	13	123	515	792	1061	309	11	0	1	3	0		2936
(* < 0.05%)														

STATION: 42020

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

Month: SEP

MEAN WAVE DIRECTION														
WAVE PERIOD	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	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.1	0.2	0.1	-	0.3	0.4	0.8	0.3	*	-	-	-	2.1	58
3.5 - 4.4	0.1	0.6	0.9	0.8	1.2	1.6	2.7	0.4	-	-	*	0.1	8.4	236
4.5 - 5.4	0.1	0.6	1.9	2.5	2.7	5.6	0.4	-	-	-	-	-	13.9	388
5.5 - 6.4	0.2	1.3	5.4	6.8	5.6	6.5	0.5	-	-	0.3	-	*	26.6	744
6.5 - 7.4	*	0.9	4.9	8.9	6.7	4.7	0.3	-	*	0.1	-	-	26.5	741
7.5 - 8.4	-	0.2	1.7	7.2	4.1	0.8	0.2	-	-	-	-	-	14.2	397

STATION: 42020

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	0.7	-	-	-	-	-	-	-	-	-	-	-	0.7	195
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	*	0.1	0.1	0.2	0.3	0.7	0.3	0.1	*	*	*	*	1.8	470
3.5 - 4.4	0.2	0.4	0.4	0.5	1.3	2.9	1.7	0.1	0.1	0.1	0.2	0.1	8.0	2096
4.5 - 5.4	0.3	0.8	1.2	1.6	3.4	6.9	2.5	*	-	*	0.1	0.2	16.9	4420
5.5 - 6.4	0.7	1.8	3.0	3.9	6.6	6.5	2.1	-	-	*	*	0.2	24.9	6516
6.5 - 7.4	0.4	1.4	3.0	5.8	7.7	4.1	0.5	*	*	*	*	0.1	23.1	6038
7.5 - 8.4	0.1	0.5	2.0	6.8	6.4	1.6	0.4	0.1	-	-	-	-	17.9	4672
8.5 - 9.4	-	*	0.6	2.6	1.3	0.2	*	*	-	-	-	-	4.8	1251
9.5 - 10.4	-	-	0.2	1.0	0.3	0.1	*	-	-	-	-	-	1.6	410
10.5 - 11.4	-	-	*	0.1	*	*	-	-	-	-	-	-	0.2	65
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	0.1	*	*	-	-	-	-	-	-	0.1	30
13.5 - 14.4	-	-	-	*	-	-	-	-	-	-	-	-	0.0	7
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
TOTAL %	2.3	5.0	10.6	22.7	27.3	23.0	7.5	0.3	0.1	0.2	0.3	0.7	100.0	
TOTAL N	614	1303	2768	5952	7136	6017	1968	91	25	54	67	176		26171

(* < 0.05%)

STATION: 42020

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	1.2	-	-	-	-	-	-	-	-	-	-	-	1.2	80
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	0.1	*	0.1	0.3	0.3	0.1	0.1	0.1	*	0.1	1.1	77
3.5 - 4.4	0.5	0.6	0.3	0.3	0.9	1.4	0.9	0.2	0.2	0.3	0.3	0.3	6.3	433
4.5 - 5.4	0.7	1.5	1.3	1.2	2.1	2.8	1.0	*	-	0.1	0.1	0.4	11.2	765
5.5 - 6.4	1.6	3.3	4.6	3.9	4.9	4.5	2.6	-	-	-	0.1	0.7	26.2	1793
6.5 - 7.4	1.0	3.1	4.4	6.0	5.5	5.3	1.4	0.1	-	-	*	0.2	26.9	1839
7.5 - 8.4	0.1	1.1	2.7	7.2	4.7	2.4	0.7	0.2	-	-	-	-	19.3	1321
8.5 - 9.4	-	*	1.1	3.2	1.0	0.7	-	-	-	-	-	-	6.0	410
9.5 - 10.4	-	-	0.3	1.1	0.2	*	-	-	-	-	-	-	1.7	115
10.5 - 11.4	-	-	*	0.2	-	-	-	-	-	-	-	-	0.2	15
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	5.1	9.5	14.9	23.1	19.5	17.5	7.0	0.6	0.2	0.5	0.5	1.6	100.0	
TOTAL N	351	654	1018	1581	1333	1200	481	39	15	31	34	112		6849

(* < 0.05%)

STATION: 42020

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	-	*	0.1	0.2	0.2	0.5	0.4	*	-	-	-	*	1.5	64
3.5 - 4.4	0.1	0.3	0.3	0.1	0.5	2.2	1.2	-	-	-	0.1	0.1	4.8	205
4.5 - 5.4	0.2	1.5	1.4	0.8	2.4	3.3	1.3	-	-	-	0.1	0.3	11.2	477
5.5 - 6.4	0.3	2.4	2.6	3.9	6.8	5.1	2.0	-	-	-	-	0.1	23.2	989
6.5 - 7.4	0.5	1.1	2.6	7.9	11.7	3.9	0.4	-	-	-	-	0.3	28.3	1209
7.5 - 8.4	0.1	0.3	2.0	8.1	12.2	1.8	0.1	-	-	-	-	-	24.7	1054
8.5 - 9.4	-	-	*	3.1	2.0	-	-	-	-	-	-	-	5.1	218
9.5 - 10.4	-	-	*	0.8	0.5	-	-	-	-	-	-	-	1.3	55
TOTAL %	1.1	5.7	9.0	24.9	36.3	16.8	5.3	0.0	0.0	0.0	0.2	0.7	100.0	
TOTAL N	48	242	386	1064	1549	717	225	2	0	0	8	30		4271

(* < 0.05%)

STATION: 42020

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

Months: JUN, JUL, AUG (Summer)

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		

STATION: 42020

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	-	0.4	0.8	1.9	0.9	0.9	0.8	0.1	-	-	-	-	5.8	83
0.5 - 1.4	0.5	6.1	6.4	9.9	10.4	4.7	2.8	-	-	-	0.5	1.0	42.4	601
1.5 - 2.4	2.0	5.1	5.1	11.5	9.6	6.8	0.7	-	-	-	0.1	0.6	41.4	588
2.5 - 3.4	0.5	0.1	1.0	3.2	3.9	0.3	-	-	-	-	-	0.6	9.6	136
3.5 - 4.4	-	-	-	-	0.8	-	-	-	-	-	-	-	0.8	11

TOTAL %	3.0	11.8	13.3	26.5	25.7	12.7	4.3	0.1	0.0	0.0	0.6	2.1	100.0	
TOTAL N	42	167	189	376	364	180	61	2	0	0	8	30		1419

(* < 0.05%)

STATION: 42020

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	-	-	-	0.2	-	0.1	0.1	-	-	-	-	-	0.4	6
0.5 - 1.4	-	1.9	5.0	17.6	15.6	2.5	1.4	-	-	-	-	-	44.0	615
1.5 - 2.4	-	1.7	5.2	5.2	27.1	6.2	2.1	-	-	-	-	-	47.5	664
2.5 - 3.4	0.2	0.9	2.6	0.6	2.1	1.4	0.3	-	-	-	-	-	7.9	111
3.5 - 4.4	-	0.1	-	-	-	-	-	-	-	-	-	-	0.1	2

TOTAL %	0.2	4.6	12.7	23.5	44.8	10.2	3.9	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3	65	178	329	626	143	54	0	0	0	0	0		1398

(* < 0.05%)

STATION: 42020

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	-	-	-	0.3	0.5	-	-	-	-	-	-	-	0.8	12
0.5 - 1.4	-	0.1	0.8	19.1	32.4	19.9	4.7	-	-	-	-	-	77.0	1119
1.5 - 2.4	0.1	0.4	0.6	5.2	5.6	7.1	2.9	-	-	-	-	-	21.9	318
2.5 - 3.4	0.1	0.2	-	-	-	0.1	-	-	-	-	-	-	0.3	5

TOTAL %	0.2	0.7	1.3	24.7	38.4	27.1	7.6	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	3	10	19	359	559	394	110	0	0	0	0	0		1454

(* < 0.05%)

STATION: 42020

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	-	-	0.1	0.2	0.9	1.1	-	-	-	-	-	-	2.2	31
0.5 - 1.4	-	0.4	0.6	3.1	32.0	26.4	1.4	0.1	-	0.1	0.2	-	64.4	901
1.5 - 2.4	-	0.3	1.4	0.9	20.5	8.4	0.2	-	-	-	-	-	31.6	443
2.5 - 3.4	-	-	0.1	0.1	0.9	0.7	-	-	-	-	-	-	1.8	25

TOTAL %	0.0	0.7	2.2	4.2	54.2	36.6	1.6	0.1	0.0	0.1	0.2	0.0	100.0	
TOTAL N	0	10	31	59	759	512	23	1	0	2	3	0		1400

(* < 0.05%)

STATION: 42020

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	0.2	-	-	-	0.3	2.3	0.9	0.1	-	-	-	-	3.8	102
0.5 - 1.4	-	-	0.1	0.7	20.8	46.3	21.2	0.4	-	-	-	-	89.6	2381
1.5 - 2.4	-	-	-	0.2	4.5	1.3	0.1	-	-	-	-	-	6.1	161
2.5 - 3.4	-	-	-	-	0.5	-	-	-	-	-	-	-	0.5	14

TOTAL %	0.2	0.0	0.1	0.9	26.1	49.9	22.2	0.5	0.0	0.0	0.0	0.0	100.0	
TOTAL N	6	0	3	25	695	1326	589	14	0	0	0	0		2658

(* < 0.05%)

STATION: 42020

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	3.6	-	*	1.8	2.9	3.8	0.5	0.2	-	-	-	-	13.0	382
0.5 - 1.4	*	0.4	3.2	14.5	22.3	28.5	8.9	0.1	-	*	0.1	-	78.3	2298
1.5 - 2.4	-	-	0.7	1.1	1.4	3.2	0.7	-	-	-	-	-	7.1	208
2.5 - 3.4	-	-	0.2	0.1	0.2	0.4	0.2	-	-	-	-	-	1.1	33
3.5 - 4.4	-	-	-	-	*	*	0.1	-	-	-	-	-	0.1	4
4.5 - 5.4	-	-	-	-	-	-	-	*	-	-	-	-	0.0	1
5.5 - 6.4	-	-	-	-	*	-	0.1	-	-	-	-	-	0.1	3
6.5 - 7.4	-	-	-	-	0.1	*	-	-	-	-	-	-	0.1	4
7.5 - 8.4	-	-	-	-	0.1	*	-	-	-	-	-	-	0.1	3
TOTAL %	3.7	0.4	4.2	17.5	27.0	36.1	10.5	0.4	0.0	0.0	0.1	0.0	100.0	
TOTAL N	108	13	123	515	792	1061	309	11	0	1	3	0		2936

(* < 0.05%)

STATION: 42020

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	0.1	0.2	0.5	1.6	0.4	0.9	1.1	0.3	-	-	-	-	5.0	139
0.5 - 1.4	0.2	1.7	10.2	22.6	17.4	14.7	3.4	0.4	*	-	*	0.1	70.7	1976
1.5 - 2.4	0.2	1.2	4.5	6.9	3.3	4.0	0.5	-	-	0.1	-	*	20.9	583
2.5 - 3.4	0.1	0.8	0.4	0.6	-	-	-	-	*	0.3	-	-	2.1	59
3.5 - 4.4	-	-	0.8	0.4	-	-	-	-	-	-	-	-	1.1	31
4.5 - 5.4	-	-	0.3	-	-	-	-	-	-	-	-	-	0.3	7
TOTAL %	0.6	3.9	16.6	32.1	21.1	19.6	4.9	0.7	0.1	0.4	0.0	0.1	100.0	
TOTAL N	17	108	463	897	589	548	137	19	2	11	1	3		2795

(* < 0.05%)

STATION: 42020

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	-	-	0.2	0.2	0.2	0.1	-	-	-	-	-	-	0.6	17
0.5 - 1.4	0.2	1.8	6.6	25.7	13.7	6.4	1.4	-	0.1	0.2	0.1	-	56.3	1644
1.5 - 2.4	0.7	3.1	3.9	15.8	5.5	4.4	0.6	-	-	-	-	0.3	34.4	1005
2.5 - 3.4	0.2	0.4	2.6	2.2	0.7	1.0	0.1	-	-	-	-	-	7.1	208
3.5 - 4.4	-	-	1.2	0.3	-	-	-	-	-	-	-	-	1.5	45
TOTAL %	1.1	5.3	14.5	44.3	20.0	11.9	2.1	0.0	0.1	0.2	0.1	0.3	100.0	
TOTAL N	32	156	424	1292	585	346	62	0	4	5	3	10		2919

(* < 0.05%)

STATION: 42020

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	-	-	0.3	0.3	0.7	0.8	0.3	-	-	-	-	-	2.4	56
0.5 - 1.4	0.8	1.2	6.6	12.1	22.4	5.6	3.2	*	0.2	0.2	0.5	0.3	53.1	1245
1.5 - 2.4	0.9	1.5	6.4	9.1	11.3	6.5	2.0	-	-	-	0.1	0.4	38.2	896
2.5 - 3.4	0.5	2.3	0.4	0.7	1.1	0.3	0.4	0.2	-	-	-	0.2	6.0	140
3.5 - 4.4	-	0.2	-	-	-	-	*	-	-	-	-	-	0.3	6
TOTAL %	2.2	5.1	13.7	22.2	35.6	13.1	6.1	0.2	0.2	0.2	0.6	0.9	100.0	
TOTAL N	52	120	320	519	834	307	142	5	4	4	15	21		2343

(* < 0.05%)

STATION: 42020

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	3.0	0.6	0.6	0.6	0.4	0.5	0.5	0.1	0.1	0.1	*	*	6.6	184
0.5 - 1.4	2.1	3.9	7.5	10.5	9.5	4.7	5.2	0.2	0.4	0.7	0.7	1.4	46.9	1316
1.5 - 2.4	3.6	5.2	5.2	5.7	5.4	5.9	1.2	0.2	-	-	0.1	1.0	33.6	943
2.5 - 3.4	1.0	2.2	2.6	1.5	1.1	2.0	0.2	0.4	-	-	0.1	0.2	11.4	320
3.5 - 4.4	0.1	0.4	0.2	-	0.2	0.6	-	-	-	-	-	-	1.5	42
4.5 - 5.4	-	-	-	-	-	*	-	-	-	-	-	-	0.0	1

TOTAL %	9.9	12.3	16.1	18.3	16.6	13.7	7.2	0.9	0.5	0.8	0.9	2.7	100.0	
TOTAL N	277	346	453	513	466	384	201	26	15	23	26	76		2806

(* < 0.05%)

STATION: 42020

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

All Months: Annual

	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	0.8	0.1	0.2	0.7	0.7	1.0	0.4	0.1	*	*	*	*	4.0	1052
0.5 - 1.4	0.4	1.8	5.4	14.3	17.9	16.0	5.8	0.2	0.1	0.2	0.2	0.3	62.6	16376
1.5 - 2.4	0.8	2.1	3.5	6.5	7.7	5.1	1.1	*	-	*	*	0.3	27.2	7120
2.5 - 3.4	0.3	0.8	1.2	1.1	0.9	0.8	0.2	0.1	*	*	*	0.1	5.5	1429
3.5 - 4.4	*	0.1	0.3	0.2	0.1	0.1	*	-	-	-	-	-	0.7	174
4.5 - 5.4	-	-	*	-	-	*	-	*	-	-	-	-	0.0	10
5.5 - 6.4	-	-	-	-	*	-	*	-	-	-	-	-	0.0	3
6.5 - 7.4	-	-	-	-	*	*	-	-	-	-	-	-	0.0	4
7.5 - 8.4	-	-	-	-	*	*	-	-	-	-	-	-	0.0	3
TOTAL %	2.3	5.0	10.6	22.7	27.3	23.0	7.5	0.3	0.1	0.2	0.3	0.7	100.0	
TOTAL N	614	1303	2768	5952	7136	6017	1968	91	25	54	67	176		26171

(* < 0.05%)

STATION: 42020

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

Months: DEC, JAN, FEB (Winter)

	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	1.2	0.3	0.3	0.4	0.4	0.2	0.2	*	*	*	*	*	3.3	224
0.5 - 1.4	1.1	3.2	7.3	13.5	11.2	9.3	4.9	0.3	0.2	0.4	0.4	0.7	52.5	3596
1.5 - 2.4	2.0	4.2	4.8	7.0	6.5	5.9	1.5	0.1	-	-	0.1	0.7	32.9	2254
2.5 - 3.4	0.7	1.6	2.3	1.9	1.2	1.8	0.3	0.2	-	-	*	0.2	10.2	698
3.5 - 4.4	0.1	0.2	0.2	0.3	0.1	0.2	-	-	-	-	-	-	1.1	75
4.5 - 5.4	-	-	*	-	-	*	-	-	-	-	-	-	0.0	2
TOTAL %	5.1	9.5	14.9	23.1	19.5	17.5	7.0	0.6	0.2	0.5	0.5	1.6	100.0	
TOTAL N	351	654	1018	1581	1333	1200	481	39	15	31	34	112		6849

(* < 0.05%)

STATION: 42020

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	-	0.1	0.3	0.8	0.5	0.4	0.3	*	-	-	-	-	2.4	101
0.5 - 1.4	0.2	2.7	4.0	15.6	19.6	9.2	3.0	-	-	-	0.2	0.3	54.7	2335
1.5 - 2.4	0.7	2.4	3.6	7.3	14.0	6.7	1.9	-	-	-	*	0.2	36.8	1570
2.5 - 3.4	0.3	0.4	1.2	1.2	2.0	0.6	0.1	-	-	-	-	0.2	5.9	252
3.5 - 4.4	-	*	-	-	0.3	-	-	-	-	-	-	-	0.3	13
TOTAL %	1.1	5.7	9.0	24.9	36.3	16.8	5.3	0.0	0.0	0.0	0.2	0.7	100.0	
TOTAL N	48	242	386	1064	1549	717	225	2	0	0	8	30		4271

(* < 0.05%)

STATION: 42020

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	1.6	-	*	0.8	1.5	2.7	0.6	0.1	-	-	-	-	7.4	515
0.5 - 1.4	*	0.3	1.5	7.0	23.7	34.9	12.1	0.2	-	*	0.1	-	79.8	5580
1.5 - 2.4	-	0.1	0.6	0.7	6.4	3.5	0.4	-	-	-	-	-	11.6	812
2.5 - 3.4	-	-	0.1	0.1	0.5	0.3	0.1	-	-	-	-	-	1.0	72
3.5 - 4.4	-	-	-	-	*	*	*	-	-	-	-	-	0.1	4
4.5 - 5.4	-	-	-	-	-	-	-	*	-	-	-	-	0.0	1
5.5 - 6.4	-	-	-	-	*	-	*	-	-	-	-	-	0.0	3
6.5 - 7.4	-	-	-	-	*	*	-	-	-	-	-	-	0.1	4
7.5 - 8.4	-	-	-	-	*	*	-	-	-	-	-	-	0.0	3
TOTAL %	1.6	0.3	2.2	8.6	32.1	41.4	13.2	0.4	0.0	0.0	0.1	0.0	100.0	
TOTAL N	114	23	157	599	2246	2899	921	26	0	3	6	0		6994

(* < 0.05%)

STATION: 42020

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	*	0.1	0.3	0.7	0.4	0.6	0.5	0.1	-	-	-	-	2.6	212	
0.5 - 1.4	0.4	1.6	7.9	20.7	17.5	9.0	2.6	0.1	0.1	0.1	0.2	0.1	60.4	4865	
1.5 - 2.4	0.6	2.0	4.9	10.8	6.4	4.9	1.0	-	-	*	*	0.2	30.8	2484	
2.5 - 3.4	0.2	1.1	1.2	1.2	0.6	0.4	0.1	*	*	0.1	-	*	5.1	407	
3.5 - 4.4	-	0.1	0.7	0.2	-	-	*	-	-	-	-	-	1.0	82	
4.5 - 5.4	-	-	0.1	-	-	-	-	-	-	-	-	-	0.1	7	
TOTAL %	1.3	4.8	15.0	33.6	24.9	14.9	4.2	0.3	0.1	0.2	0.2	0.4	100.0		
TOTAL N	101	384	1207	2708	2008	1201	341	24	10	20	19	34		8057	
(* < 0.05%)															

Summary complete: 09-Sep-2003 02:03:39