Summary created: 09-Sep-2003 01:52:50

STATION: 42019

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (5/1990 - 12/2001) (83797 RECORDS, 99.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	-	2	#
32	-	-	-	-	-	-	-	-	-	-	-	-	5	#	36	999	8	#	-	-	-	-	-	-	49	999
31	-	-	-	-	-	-	-	-	-	-	6	#	87	999	504	995	289	999	-	-	-	-	-	-	886	999
30	-	-	-	-	-	-	-	-	-	-	121	999	707	987	703	931	470	962	151	#	-	-	-	-	2152	989
29	-	-	-	-	-	-	-	-	1	#	764	979	3535	886	3977	843	2212	902	328	981	-	-	-	-	10817	963
28	-	-	-	-	-	-	-	-	71	999	3038	855	2253	382	2069	340	2488	621	596	941	59	#	-	-	10574	834
27	-	-	-	-	-	-	6	#	687	988	1656	360	294	60	397	78	1212	304	1428	868	152	993	3	#	5835	708
26	-	-	-	-	-	-	49	999	1179	875	362	90	80	18	155	28	422	150	1760	692	427	975	101	999	4535	638
25	-	-	-	-	-	-	90	991	1899	681	133	31	39	7	53	8	332	96	1269	476	1065	924	150	987	5030	584
24	34	#	-	-	-	-	813	977	1232	369	49	9	8	1	9	2	226	54	919	320	1652	796	940	968	5882	524
23	211	994	48	#	116	#	1265	851	548	166	8	1	1	*	3	*	118	25	630	207	1069	599	1252	849	5269	454
22	411	955	332	992	559	982	1331	653	288	76	-	-	-	-	-	-	54	10	377	130	735	471	850	690	4937	391
21	752	879	1210	936	1694	898	1053	446	100	29	-	-	-	-	-	-	20	3	274	84	611	383	588	582	6302	332
20	623	741	1040	733	1283	642	791	282	35	12	-	-	-	-	-	-	5	1	174	50	570	310	539	507	5060	257
19	466	627	614	558	672	448	367	159	36	7	-	-	-	-	-	-	-	-	97	29	423	242	382	439	3057	197
18	473	541	523	455	646	346	267	101	4	1	-	-	-	-	-	-	-	-	48	17	426	192	482	390	2869	160
17	410	454	457	367	488	248	142	60	-	-	-	-	-	-	-	-	-	-	30	11	335	141	409	329	2271	126
16	364	379	378	290	317	174	110	38	-	-	-	-	-	-	-	-	-	-	5	7	247	101	388	277	1809	99
15	330	312	379	227	212	126	57	20	-	-	-	-	-	-	-	-	-	-	7	7	165	71	462	228	1612	77
14	304	251	329	163	193	94	48	12	-	-	-	-	-	-	-	-	-	-	18	6	185	52	405	170	1482	58
13	283	196	243	108	116	65	14	4	-	-	-	-	-	-	-	-	-	-	20	3	136	30	357	118	1169	40
12	231	144	152	67	88	48	10	2	-	-	-	-	-	-	-	-	-	-	8	1	54	13	211	73	754	26
11	207	101	91	41	69	34	2	*	-	-	-	-	-	-	-	-	-	-	-	-	20	7	142	46	531	17
10	149	63	40	26	88	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	4	66	28	366	11
9	69	36	31	19	41	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	2	46	20	200	7
8	39	23	12	14	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	37	14	105	4
7	48	16	15	12	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	9	117	3
6	25	7	20	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	4	68	1
5	13	2	21	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1	42	1
4	-	-	15	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	*
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	17.2		17.9		18.8		21.3		24.7		27.7		28.7		28.8		27.9		25.1		21.6		19.2		23.5	
S.D.	4.0		3.3		2.9		2.2		1.5		1.0		0.8		1.0		1.7		2.5		3.5		4.3		4.9	
TOTAL	5442		5950		6610		6415		6080		6137		7009		7908		7856		8139		8368		7883		83797	
MAX	24.3		23.0		23.4		26.6		29.1		31.2		32.4		32.9		32.2		30.4		28.4		26.6		32.9	
DATE	1994010622		2001022722		1993033023		1991042822		1990052822		1990062422		1993073123		1993081917		1993090123		1993102018		1993111321		1993120409		1993081917	
MIN	4.8		3.9		6.7		11.0		18.3		22.6		23.3		22.6		19.9		11.6		8.4		4.9		3.9	
DATE	1996010715		1996020420		1996030818		1996040617		1996050102		1992060216		1999070919		1992082318		2000092622		1993103103		2001112913		1990122409		1996020420	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (5/1990 - 12/2001) (75651 RECORDS, 89.8% 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
34	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	1	#
33	-	-	-	-	-	-	-	-	-	-	4	999	-	-	-	-	-	-	-	-	-	-	-	-	4	999
32	-	-	-	-	-	-	-	-	-	-	15	999	14	#	29	#	9	#	-	-	-	-	-	-	67	999
31	-	-	-	-	-	-	-	-	-	-	58	996	141	998	413	996	129	999	-	-	-	-	-	-	741	999
30	-	-	-	-	-	-	-	-	1	#	385	986	1115	975	2582	938	1286	981	10	#	-	-	-	-	5379	989
29	-	-	-	-	-	-	-	-	12	999	905	914	3979	794	3733	575	4225	800	421	999	-	-	-	-	13275	918
28	-	-	-	-	-	-	-	-	85	998	2608	747	905	147	357	50	1488	208	1693	942	-	-	-	-	7136	743
27	-	-	-	-	-	-	-	-	876	984	1126	266	-	-	2	*	-	-	3350	713	106	#	-	-	5460	648
26	-	-	-	-	-	-	5	#	1271	837	273	58	-	-	-	-	-	-	1660	261	961	986	-	-	4170	576
25	1	#	-	-	-	-	173	999	1754	625	40	7	-	-	-	-	-	-	271	37	3591	861	62	#	5892	521
24	-	-	-	-	-	-	758	969	1181	333	-	-	-	-	-	-	-	-	-	-	2417	393	1814	991	6170	443
23	114	999	-	-	184	#	1265	837	549	136	-	-	-	-	-	-	-	-	-	-	539	78	2592	737	5243	362
22	976	976	300	#	378	969	1355	616	232	44	-	-	-	-	-	-	-	-	-	-	55	7	1916	374	5212	292
21	2053	768	1752	944	1515	904	1349	379	32	5	-	-	-	-	-	-	-	-	-	-	1	*	413	106	7115	223
20	1349	332	2973	614	3008	646	745	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	48	8235	129
19	178	45	273	55	647	134	76	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	162	26	1336	21
18	35	7	19	4	138	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	3	215	3
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	20.9		20.3		20.3		22.0		25.0		28.0		29.0		29.4		29.0		27.0		24.6		22.6		25.1	
S.D.	0.8		0.7		0.9		1.3		1.4		1.0		0.6		0.6		0.6		0.9		0.8		1.1		3.5	
TOTAL	4706		5317		5870		5726		5993		5415		6154		7116		7137		7405		7670		7142		75651	
MAX	24.6		22.4		23.3		25.8		29.6		33.7		32.4		32.3		32.3		30.0		26.8		24.6		33.7	

DATE	1994012518	1993022403	1993033023	1991042822	1991052619	1990062421	1995072723	1995080421	1995091822	1990100421	2000110102	1998120115	1990062421
MIN	18.0	18.1	17.5	18.7	21.1	24.9	27.6	27.4	27.6	24.9	20.7	18.2	17.5
DATE	2001012215	1998022823	1998030311	1998040414	1998050213	1993060108	2000072915	2000080114	2001093016	1993103123	2000112923	1997122510	1998030311

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (5/1990 - 12/2001) (75639 RECORDS, 89.8% 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
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
4	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	2	#	7	#
3	4	999	-	-	-	-	1	#	12	#	-	-	1	#	19	#	4	#	16	#	77	999	59	999	193	999
2	95	999	153	#	317	#	184	999	54	998	129	#	57	999	283	997	171	999	153	998	53	989	168	991	1817	997
1	550	979	1051	971	1227	946	1477	968	923	989	674	976	782	991	461	958	347	975	383	977	476	983	888	968	9239	973
0	607	862	909	774	1229	737	1843	710	3012	835	2446	852	2265	863	1884	893	1436	927	1447	925	1329	920	1313	844	19720	851
-1	457	733	556	603	680	527	980	388	1414	332	1755	400	2574	495	3657	628	3171	726	2088	730	1314	747	657	660	19303	590
-2	451	636	509	498	717	412	568	217	370	96	327	76	358	77	624	114	1103	281	1008	448	1057	576	547	568	7639	335
-3	381	540	476	402	473	289	274	118	131	35	68	16	78	19	130	26	402	127	862	312	673	438	438	491	4386	234
-4	412	459	344	313	300	209	174	70	72	13	12	3	33	6	46	8	255	70	550	195	535	350	410	430	3143	176
-5	386	371	366	248	277	158	128	39	3	1	4	1	3	*	9	2	135	34	392	121	440	281	434	372	2577	135
-6	344	289	361	179	174	110	42	17	1	*	-	-	-	-	3	*	59	16	193	68	418	223	373	311	1968	101
-7	263	216	195	111	119	81	26	10	-	-	-	-	-	-	-	-	31	7	92	42	378	169	457	259	1561	75
-8	223	160	165	75	110	60	24	5	-	-	-	-	-	-	-	-	21	3	91	30	300	119	417	195	1351	54
-9	158	113	93	44	83	42	5	1	-	-	-	-	-	-	-	-	-	-	44	17	187	80	420	137	990	36
-10	150	79	25	26	76	28	-	-	-	-	-	-	-	-	-	-	-	-	18	11	133	56	246	78	648	23
-11	96	47	32	21	45	15	-	-	-	-	-	-	-	-	-	-	-	-	22	9	139	39	152	44	486	15
-12	33	27	14	15	28	7	-	-	-	-	-	-	-	-	-	-	-	-	22	6	104	20	62	22	263	8
-13	48	20	15	13	7	2	-	-	-	-	-	-	-	-	-	-	-	-	18	3	31	7	30	14	149	5
-14	28	10	19	10	6	1	-	-	-	-	-	-	-	-	-	-	-	-	5	1	11	3	28	9	97	3
-15	16	4	24	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1	23	5	74	1
-16	2	*	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	2	23	*
-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	5	*
MEAN	-3.5		-2.3		-1.6		-0.5		-0.3		-0.3		-0.4		-0.6		-1.1		-1.8		-3.0		-3.4		-1.6	
S.D.	3.7		3.3		2.9		1.6		0.9		0.8		0.8		0.9		1.4		2.3		3.3		3.9		2.7	
TOTAL	4705		5317		5868		5726		5992		5415		6151		7116		7135		7404		7670		7140		75639	
MAX	4.1		2.3		2.4		2.6		2.8		2.4		2.6		3.0		2.8		2.8		3.6		3.6		4.1	
DATE	1994010711		2001022422		1999030304		1998040903		1993050710		1993062816		1993073123		1993082315		1993092016		1993102018		1993111321		1997122106		1994010711	
MIN	-15.8		-15.7		-14.2		-9.3		-6.0		-4.8		-5.1		-5.9		-8.3		-14.0		-15.4		-17.0		-17.0	
DATE	1996010714		1996020420		1993031316		1996040617		1994051405		1994062421		1999070919		1998081517		2000092622		2000100823		2001112913		1990122409		1990122409	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (5/1993 - 12/2001) (23062 RECORDS, 27.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
28	-	-	-	-	-	-	-	-	-	-	7	#	2	#	7	#	66	#	6	#	-	-	-	-	88	#
27	-	-	-	-	-	-	-	-	-	-	154	996	178	999	230	998	174	977	53	998	31	#	-	-	820	996
26	-	-	-	-	-	-	-	-	-	-	293	900	438	922	752	920	354	916	141	980	66	989	2	#	2046	961
25	-	-	-	-	-	-	-	-	6	#	274	718	218	733	460	667	483	793	225	933	89	966	10	999	1765	872
24	-	-	-	-	-	-	-	-	117	996	229	548	520	639	691	512	594	624	330	857	116	935	42	995	2639	795
23	-	-	-	-	-	-	65	#	259	912	340	406	649	414	594	280	277	417	321	746	159	895	129	979	2793	681
22	8	#	19	#	-	-	183	909	259	725	181	194	234	134	153	80	155	321	313	638	174	839	188	930	1867	560
21	44	994	87	972	14	#	157	654	215	539	53	82	44	32	60	29	123	266	175	532	212	779	164	858	1348	479
20	48	961	140	842	21	981	37	434	193	384	33	49	14	13	19	8	96	224	220	473	193	705	166	795	1180	420
19	136	925	80	634	41	953	49	383	127	245	22	29	9	7	6	2	82	190	229	399	250	637	173	732	1204	369
18	78	823	43	515	50	897	30	314	89	154	14	15	8	3	-	-	67	161	161	322	213	550	127	665	880	317
17	100	764	19	451	53	830	27	272	34	90	4	6	-	-	-	-	80	138	158	268	194	476	116	617	785	279
16	73	689	12	423	65	758	34	235	31	65	6	4	-	-	-	-	58	110	106	215	203	408	95	572	683	245
15	73	634	18	405	82	671	30	187	18	43	-	-	-	-	-	-	71	90	80	179	172	338	96	536	640	215
14	74	580	13	378	49	560	18	145	9	30	-	-	-	-	-	-	80	65	101	152	111	278	96	499	551	187
13	72	524	13	359	47	494	25	120	14	24	-	-	-	-	-	-	72	37	80	118	114	239	116	462	553	164
12	54	470	10	339	64	430	27	85	11	14	-	-	-	-	-	-	28	12	82	91	107	199	119	418	502	140
11	67	429	21	324	41	344	22	47	8	6	-	-	-	-	-	-	7	2	66	63	121	162	133	372	486	118
10	100	379	34	293	62	289	8	17	-	-	-	-	-	-	-	-	-	-	52	41	117	120	131	321	504	97
9	87	304	29	243	44	205	3	6	-	-	-	-	-	-	-	-	-	-	26	24	69	79	122	271	380	75
8	83	239	35	199	26	146	1	1	-	-	-	-	-	-	-	-	-	-	14	15	61	55	145	224	365	58
7	72	176	40	147	28	111	-	-	-	-	-	-	-	-	-	-	-	-	12	10	43	33	151	169	346	43
6	41	122	20	88	23	73	-	-	-	-	-	-	-	-	-	-	-	-	8	6	29	18	86	111	207	28
5	30	92	15	58	21	42	-	-	-	-	-	-	-	-	-	-	-	-	9	3	14	8	60	78	149	19

4	28	69	3	36	6	13	-	-	-	-	-	-	-	-	-	-	-	-	1	*	9	3	46	55	93	12
3	20	48	2	31	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	27	38	53	8
2	17	33	10	28	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	27	60	6
1	12	20	3	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	15	36	3
0	12	11	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	7	28	2
-1	3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	10	*
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	1	*
MEAN	12.7		15.2		13.1		19.2		20.7		24.0		24.1		24.4		22.6		19.9		17.2		14.2		19.8	
S.D.	5.3		5.9		4.2		3.6		2.5		2.0		1.6		1.5		3.8		4.6		5.0		6.2		5.8	
TOTAL	1332		672		741		716		1390		1610		2314		2972		2867		2969		2868		2611		23062	
MAX	21.8		21.8		21.2		23.3		24.7		27.8		27.6		27.8		28.3		27.7		27.2		25.8		28.3	
DATE	1994012508		2001022705		2001031500		2001041400		1993050923		1993062919		1993072804		1993082304		1993092122		1993102000		1993111423		1993120409		1993092122	
MIN	-0.9		-1.0		2.2		8.3		10.9		16.0		17.5		18.7		10.8		3.9		3.2		-2.0		-2.0	
DATE	2001012018		2001020316		2001032019		2001041813		2001052223		2001061814		2000072406		2001081405		1994092323		1993103117		1993112803		2000122005		2000122005	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: AIR - DEW POINT TEMPERATURE (DEGREES C) -- POR: (5/1993 - 12/2001) (23058 RECORDS, 27.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	2	999
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999	-	-	5	#	10	999
15	-	-	-	-	1	#	-	-	3	#	-	-	-	-	-	-	1	#	4	997	1	#	13	998	23	999
14	1	#	5	#	2	999	-	-	6	998	-	-	-	-	-	-	10	999	11	996	8	999	25	993	68	998
13	7	999	8	993	7	996	-	-	4	994	-	-	1	#	-	-	37	996	22	992	22	997	33	984	141	995
12	16	994	13	981	24	987	3	#	6	991	3	#	-	-	-	-	62	983	38	985	34	989	41	971	240	989
11	19	982	9	961	31	954	17	996	12	986	8	998	2	999	1	#	78	962	90	972	66	977	45	955	378	979
10	57	968	11	948	25	912	23	972	17	978	10	993	8	999	6	999	113	934	152	942	104	954	96	938	622	963
9	81	925	12	932	35	879	13	940	13	965	11	987	8	995	13	998	119	895	135	890	138	918	145	901	723	936
8	80	864	25	914	43	831	27	922	33	956	19	980	24	992	36	993	128	853	136	845	217	870	204	846	972	904
7	104	804	42	876	65	773	26	884	67	932	42	968	113	981	189	981	175	809	339	799	284	794	229	768	1675	862
6	90	726	50	814	79	686	44	848	102	884	164	942	520	933	592	918	276	748	451	685	388	695	255	680	3011	789
5	180	658	44	740	91	579	57	786	221	811	222	840	740	708	926	718	645	651	400	533	356	560	283	582	4165	659
4	213	523	45	674	101	456	43	707	305	652	293	702	694	388	540	407	703	426	439	398	290	436	420	474	4086	478
3	194	363	82	607	87	320	51	647	363	432	458	520	199	88	431	225	408	181	353	250	329	335	325	313	3280	301
2	187	218	163	485	72	202	231	575	215	171	327	236	4	2	213	80	95	39	238	131	361	220	297	188	2403	159
1	88	77	132	243	65	105	181	253	23	17	52	33	-	-	24	8	16	6	132	51	234	94	176	75	1123	55
0	15	11	31	46	13	18	-	-	-	-	1	1	-	-	1	*	-	-	19	6	36	13	19	7	135	6
MEAN	4.8		3.7		5.2		3.4		4.2		3.8		4.9		4.6		5.5		5.5		5.1		5.3		4.9	
S.D.	2.8		3.1		3.1		2.7		2.1		1.8		1.1		1.4		2.5		2.8		2.9		3.1		2.5	
TOTAL	1332		672		741		716		1390		1610		2313		2972		2866		2967		2868		2611		23058	
MAX	14.2		14.3		14.9		12.2		15.1		12.1		12.6		10.5		14.7		18.1		15.2		15.9		18.1	
DATE	1994010404		2001020518		2001030610		2001042713		1993051116		2001061814		2000072406		2001081405		2000092906		2001101415		1994112118		2000121914		2001101415	
MIN	0.2		0.0		0.2		0.6		0.5		0.3		2.0		0.4		0.6		0.0		0.0		0.0		0.0	
DATE	1994011216		2001021305		2001030209		2001041407		1993053113		1993061913		1994073113		1994080523		2000092110		1994100818		1994112806		1994121700		2001021305	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (5/1990 - 12/2001) (81894 RECORDS, 97.2% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
1049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
1048	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
1047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
1046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
1045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
1044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
1043	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
1042	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
1041	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
1040	-	-	9	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	999
1039	-	-	3	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
1038	-	-	4	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
1037	-	-	2	996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
1036	4	999	5	996	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	999
1035	9	999	11	995	14	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	38	999
1034	11	997	8	993	21	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	4	999	45	999
1033	25	995	22	992	19	995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	999	10	999	90	999

1032	31	991	30	988	24	992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	998	29	998	144	997
1031	38	985	63	983	21	988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	994	37	994	207	996
1030	89	978	95	972	34	985	-	-	-	-	-	-	-	-	-	-	-	-	19	#	66	988	88	989	391	993
1029	108	962	56	956	30	980	10	#	-	-	-	-	-	-	-	-	-	-	23	997	74	979	112	978	413	988
1028	119	942	59	947	35	975	12	998	-	-	-	-	-	-	-	-	-	-	43	994	88	970	123	964	479	983
1027	156	920	152	937	106	970	21	997	-	-	-	-	-	-	-	-	-	-	48	989	207	958	237	948	927	977
1026	125	891	103	912	56	954	20	993	-	-	-	-	-	-	-	-	-	-	46	982	161	931	199	918	710	966
1025	190	868	168	894	74	945	34	990	4	#	-	-	-	-	-	-	-	-	62	976	184	910	231	893	947	958
1024	286	833	244	866	139	934	102	985	5	999	1	#	-	-	-	-	-	-	153	967	369	886	338	864	1637	946
1023	288	780	230	825	167	913	125	969	13	999	6	999	3	#	4	#	-	-	206	947	446	838	347	821	1835	926
1022	336	727	255	786	223	888	172	949	19	996	4	999	5	999	4	999	14	#	235	919	426	780	481	777	2174	904
1021	354	665	336	743	313	854	200	923	47	993	39	998	46	999	28	999	42	998	308	887	503	725	590	716	2806	877
1020	341	600	343	687	352	807	245	892	103	986	58	992	152	992	113	995	147	992	416	845	465	659	636	641	3371	843
1019	367	537	354	629	345	754	270	853	191	969	117	982	401	971	355	981	251	973	487	789	485	598	731	560	4354	802
1018	333	469	343	570	384	701	341	811	270	937	137	963	670	913	646	936	378	939	503	723	460	535	582	468	5047	748
1017	380	408	432	512	448	643	405	758	516	893	416	941	1249	818	1260	855	623	888	602	655	586	475	592	394	7509	687
1016	393	338	400	440	536	575	503	695	565	808	774	873	1554	639	1516	695	920	804	821	574	588	399	582	319	9152	595
1015	229	265	279	372	430	494	438	617	462	715	780	747	997	418	1135	503	837	680	605	463	414	322	419	245	7025	483
1014	247	223	300	325	401	429	423	548	527	639	784	620	715	275	883	360	855	567	623	381	344	268	324	192	6426	398
1013	259	177	381	275	417	369	550	482	845	552	882	492	602	173	975	248	986	452	786	297	372	224	348	151	7403	319
1012	143	129	201	211	294	305	444	397	629	413	514	348	234	87	402	125	667	319	463	191	277	175	236	106	4504	229
1011	150	103	232	177	262	261	393	327	502	310	478	264	185	54	262	74	539	229	328	128	245	139	156	76	3732	174
1010	128	75	235	138	401	221	414	266	527	227	455	186	112	28	203	41	495	156	268	84	236	107	158	57	3632	128
1009	108	52	172	99	281	161	359	202	394	141	355	112	38	12	87	15	252	90	165	48	189	76	83	37	2483	84
1008	61	32	111	70	220	118	239	146	192	76	185	54	13	6	30	4	100	56	43	25	121	52	60	26	1375	53
1007	38	21	81	51	166	85	211	108	101	44	83	24	6	4	2	*	60	42	43	20	73	36	54	19	918	37
1006	22	14	80	37	125	60	157	75	79	28	36	11	18	3	-	-	88	34	38	14	59	27	44	12	746	25
1005	9	10	45	24	77	41	108	51	25	15	19	5	6	1	-	-	41	22	16	9	49	19	24	6	419	16
1004	5	8	24	16	53	29	53	34	8	11	9	2	-	-	-	-	45	17	17	6	48	13	13	3	275	11
1003	7	7	22	12	44	21	63	26	4	9	1	*	-	-	-	-	16	11	18	4	30	6	11	1	216	8
1002	3	6	15	9	31	15	61	16	19	9	-	-	-	-	-	-	13	8	8	2	8	2	-	-	158	5
1001	3	5	18	6	23	10	26	7	15	6	-	-	-	-	-	-	4	7	5	1	9	1	-	-	103	3
1000	8	5	11	3	13	6	9	2	5	3	-	-	-	-	-	-	4	6	-	-	1	*	-	-	51	2
999	7	3	5	1	12	4	5	1	11	2	-	-	-	-	-	-	17	6	-	-	-	-	-	-	57	1
998	5	2	2	1	8	3	1	*	3	*	-	-	-	-	-	-	6	3	-	-	-	-	-	-	25	1
997	5	1	1	*	5	1	-	-	-	-	-	-	-	-	-	-	5	2	-	-	-	-	-	-	16	*
996	-	-	-	-	4	1	1	*	-	-	-	-	-	-	-	-	9	2	-	-	-	-	-	-	14	*
995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-	-	-	4	*
MEAN	1018.9		1017.5		1015.5		1013.8		1013.2		1013.3		1015.6		1015.1		1013.7		1016.0		1017.9		1018.8		1015.8	
S.D.	5.9		6.4		6.1		5.2		3.6		3.0		2.3		2.4		3.5		4.4		5.7		5.2		5.0	
TOTAL	5421		5949		6609		6415		6081		6133		7006		7905		7418		7398		7676		7883		81894	
MAX	1048.1		1042.7		1035.6		1029.3		1024.7		1023.5		1022.6		1023.0		1022.1		1030.2		1033.6		1035.2		1048.1	
DATE	1998012000		1996020417		1996030817		1991040117		1992050717		2001062717		1999072217		2000081617		1990092416		2001102916		1990112917		1995121016		1998012000	
MIN	996.6		997.2		995.5		995.5		998.1		1003.2		1004.6		1007.1		995.1		1000.6		999.5		1002.5		995.1	
DATE	1996010121		1998022610		1998030722		1993041419		1999050511		1998061600		1995073022		1998082203		1998091101		2001101311		2000110609		1993121309		1998091101	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (5/1990 - 12/2001) (79854 RECORDS, 94.8% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
41	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
40	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
38	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
37	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
36	-	-	-	-	1	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
35	-	-	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
34	2	#	1	#	5	999	-	-	-	-	-	-	-	-	-	-	2	#	-	-	-	-	-	-	10	999
33	2	999	4	999	6	998	1	#	2	999	-	-	-	-	-	-	1	999	3	#	-	-	2	#	21	999
32	7	999	2	999	5	997	-	-	-	-	-	-	-	-	-	-	2	999	1	999	1	#	1	999	19	999
31	5	998	4	999	5	996	3	999	-	-	-	-	-	-	-	-	2	999	5	999	4	999	1	999	29	999
30	5	997	7	998	6	996	3	999	2	999	-	-	-	-	1	#	2	999	11	999	5	999	8	999	50	999
29	17	996	5	997	19	995	11	999	2	999	1	#	-	-	-	-	10	999	13	997	7	999	9	998	94	998
28	27	993	15	996	15	992	10	997	1	999	-	-	-	-	2	999	5	998	19	996	17	998	20	997	131	997
27	25	988	27	994	25	990	13	996	2	999	3	999	-	-	5	999	8	997	45	993	32	996	33	994	218	995
26	73	983	43	989	51	986	20	994	3	998	4	999	-	-	1	999	21	996	63	988	62	992	74	990	415	993
25	76	969	57	982	55	978	29	990	5	998	1	999	-	-	5	999	25	993	49	979	82	984	95	980	479	988
24	89	955	103	972	71	970	53	986	12	997	12	998	3	#	4	998	30	990	77	973	121	973	128	967	703	982
23	127	938	104	955	90	959	61	978	10	994	10	996	-	-	4	998	46	986	91	963	149	958	177	950	869	973
22	152	914	132	937	107	945	126	968	16	993	24	995	3	999	3	997	58	980	105	952	187	939	201	926	1114	962
21	184	885	170	915	135	929	130	948	29	990	34	991	7	999	19	997	77	973	120	938	249	916	235	899	1389	948
20	215	850	165	887	195	909	177	928	52	984	63	985	17	998	18	994	79	963	180	923	298	884	311	867	1770	930
19	308	809	272	859	308	879	291	900	115	974	106	975	44	995	37	992	158	953	305	899	446	847	417	825	2807	908
18	290	750	289	813	259	833	282	855	146	953	138	957	53	987	54	987	131	933	295	860	461	790	384	769	2782	873
17	351	695	348	765	314	793	323	810	232	925	198	934	86	977	86	980	198	916	397	822	489	732	392	717	3414	838

16	376	629	282	706	362	746	364	760	293	882	316	901	130	962	127	969	279	891	396	771	536	670	465	665	3926	796
15	371	557	366	659	367	691	417	703	370	827	370	848	171	939	177	953	364	856	447	720	507	603	495	602	4422	746
14	336	487	346	597	418	636	395	637	456	758	405	786	248	909	302	930	416	809	546	663	514	539	513	535	4895	691
13	297	423	376	539	430	572	440	576	464	672	512	719	355	865	414	891	491	756	563	593	508	474	535	466	5385	630
12	336	366	471	476	531	507	518	507	534	586	492	633	525	802	622	837	665	694	687	520	538	410	559	394	6478	562
11	268	303	366	397	426	427	416	426	456	485	459	551	565	708	622	757	616	609	607	432	427	342	409	318	5637	481
10	281	252	349	335	355	363	433	360	380	400	494	474	506	608	627	676	593	530	592	354	380	288	389	263	5379	411
9	257	198	275	276	360	309	372	292	346	329	402	392	548	518	705	595	576	455	551	278	401	240	352	211	5145	343
8	220	150	263	230	345	254	298	234	331	264	382	324	516	421	713	504	579	381	453	207	375	189	285	163	4760	279
7	174	108	252	186	295	202	276	188	272	202	335	261	393	329	675	412	529	308	346	149	304	142	236	125	4087	219
6	104	75	245	144	248	158	268	144	221	151	316	205	360	259	614	324	458	240	242	104	237	104	211	93	3524	168
5	116	55	211	102	268	120	218	102	220	110	334	152	337	195	659	245	498	182	246	73	234	74	184	65	3525	124
4	62	33	161	67	197	80	154	68	162	69	209	96	264	135	473	160	284	118	143	42	142	44	124	40	2375	80
3	51	21	103	40	153	50	135	44	92	38	151	61	229	88	360	99	266	82	86	23	89	26	77	23	1792	50
2	42	11	74	23	82	27	87	23	66	21	124	36	160	48	225	52	196	48	51	12	75	15	54	13	1236	28
1	13	3	47	10	66	14	41	9	37	9	65	15	83	19	136	23	139	23	34	6	29	6	34	5	724	12
0	5	1	13	2	28	4	18	3	9	2	26	4	25	4	41	5	45	6	10	1	15	2	6	1	241	3
MEAN		14.6		13.1		12.7		12.5		11.4		10.7		9.2		8.6		10.3		12.7		13.8		14.1		12.0
S.D.		5.7		5.8		5.9		5.4		4.4		4.6		4.0		4.0		5.1		5.3		5.6		5.6		5.5
TOTAL		5264		5948		6610		6383		5339		5986		5628		7731		7849		7779		7921		7416		79854
MAX		34.4		34.2		41.2		33.0		36.2		29.2		24.1		29.7		34.0		33.4		32.3		32.9		41.2
DATE		1993012413		1999022105		1993031216		1993040813		1991050211		2001060910		1994073113		1998082203		1998090918		1996100519		1995111114		1992121319		1993031216
MIN		0.2		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.2		0.0
DATE		1997012504		1996021318		1999031600		1998041109		1999050609		2001061623		1999071715		2001080522		2001092313		1999100715		2000112706		1995120715		2001092313

(* < 0.05% , # = 100.0%)

STATION: 42019

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

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

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (5/1990 - 12/2001) (79814 RECORDS, 94.7% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
50	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
49	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
48	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
47	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
45	-	-	1	999	2	999	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	4	999
44	-	-	-	-	3	999	-	-	1	#	-	-	-	-	-	-	-	-	1	999	-	-	-	-	5	999
43	1	#	-	-	5	999	-	-	1	999	-	-	-	-	-	-	1	#	1	999	-	-	-	-	9	999
42	1	999	2	999	1	998	1	#	1	999	-	-	-	-	-	-	1	999	-	-	-	-	1	#	8	999
41	1	999	1	999	5	998	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	9	999
40	3	999	3	999	4	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	12	999
39	3	999	1	999	4	997	1	999	-	-	-	-	-	-	-	-	3	999	1	999	1	#	2	999	16	999
38	8	998	4	998	5	996	1	999	-	-	-	-	-	-	1	#	1	999	7	999	4	999	5	999	36	999
37	9	997	4	998	5	995	4	999	2	999	2	#	-	-	-	-	2	999	10	999	4	999	5	999	47	999
36	14	995	6	997	14	994	3	999	-	-	-	-	-	-	1	999	6	999	13	997	12	999	9	998	78	998
35	15	992	7	996	16	992	9	998	1	999	-	-	-	-	1	999	4	998	17	996	13	997	11	997	94	997
34	22	990	14	995	17	990	10	997	2	999	1	999	-	-	5	999	6	997	19	993	19	996	25	995	140	996
33	47	985	31	993	23	987	13	995	5	999	2	999	-	-	1	999	12	997	47	991	39	993	56	992	276	994
32	46	976	22	987	37	984	22	993	1	998	3	999	2	#	1	999	14	995	51	985	61	988	63	984	323	991
31	54	968	38	984	52	978	15	990	4	997	3	999	-	-	2	999	20	993	45	978	63	981	58	976	354	987
30	70	957	68	977	46	970	28	988	4	997	3	998	1	999	7	998	15	991	38	973	76	973	91	968	447	982
29	76	944	83	966	63	963	34	983	10	996	7	998	5	999	4	998	22	989	57	968	112	963	118	956	591	977
28	118	930	92	952	81	954	64	978	5	994	12	996	2	999	5	997	29	986	78	960	114	949	150	940	750	969
27	118	907	112	936	81	942	72	968	12	993	14	994	2	998	3	996	55	982	83	950	151	935	178	920	881	960
26	159	885	149	918	121	929	124	957	21	991	30	992	4	998	10	996	69	975	111	940	226	915	259	896	1283	949
25	197	855	149	893	133	911	139	937	31	987	39	987	4	997	14	995	62	967	124	925	240	887	207	861	1339	933
24	187	817	153	867	170	891	141	915	56	981	47	981	24	996	26	993	78	959	167	909	222	857	274	833	1545	916
23	237	782	197	842	220	865	200	893	72	971	64	973	25	992	31	990	93	949	199	888	318	829	257	796	1913	897
22	228	737	245	809	206	832	226	862	116	957	98	962	34	988	36	986	134	937	264	862	388	788	321	761	2296	873
21	254	693	245	767	229	801	247	827	144	935	125	946	53	982	52	981	149	920	280	828	423	739	327	718	2528	844
20	287	645	250	726	285	766	278	788	197	908	180	925	83	972	66	974	175	901	308	792	390	686	359	674	2858	812
19	385	591	343	684	330	723	381	744	298	871	320	895	110	958	128	966	295	879	439	753	532	637	468	625	4029	776
18	299	517	261	626	322	673	315	685	287	816	307	841	156	938	160	949	313	841	413	696	437	569	408	562	3678	726
17	275	461	300	583	356	624	327	635	369	762	313	790	185	910	220	928	340	801	444	643	458	514	448	507	4035	680
16	253	408	312	532	365	570	367	584	361	693	377	737	253	877	319	900	393	758	486	586	423	456	438	446	4347	629
15	258	360	297	480	353	515	338	526	412	625	414	674	345	832	377	859	438	708	509	524	392	403	416	387	4549	575
14	231	311	356	430	365	462	393	473	368	548	317	605	395	771	494	810	506	652	518	458	376	353	381	331	4700	518
13	275	267	303	370	336	406	336	412	378	479	425	552	471	701	530	746	511	587	524	392	351	306	357	280	4797	459
12	277	215	321	319	378	356	430	359	402	408	490	481	566	617	686	677	616	522	610	324	437	262	353	231	5566	399
11	195	163	222	265	298	298	338	292	330	333	370	399	473	517	594	589	542	444	485	246	338	206	267	184	4452	329
10	159	126	267	228	310	253	267	239	280	271	343	337	463	432	656	512	523	375	388	183	316	164	240	148	4212	273
9	124	95	202	183	262	206	221	197	259	219	319	280	396	350	582	427	441	308	266	133	244	124	221	115	3537	221
8	107	72	218	149	222	167	259	162	220	170	302	226	345	280	597	351	435	252	227	99	214	93	167	86	3313	176
7	81	51	172	112	223	133	203	122	175	129	283	176	306	218	516	274	354	196	174	70	162	66	142	63	2791	135
6	59	36	147	83	174	99	160	90	164	96	236	128	247	164	484	207	359	151	125	48	117	45	99	44	2371	100

5	52	25	158	58	207	73	168	65	167	65	220	89	290	120	509	145	302	105	116	32	105	31	103	31	2397	70
4	35	15	91	32	124	42	119	39	90	34	132	52	184	69	297	79	233	67	60	17	71	17	62	17	1498	40
3	27	8	55	16	77	23	72	20	56	17	98	30	111	36	157	41	127	37	47	9	37	8	34	8	898	21
2	12	3	32	7	47	11	35	9	24	7	50	14	62	16	106	20	116	21	15	3	20	4	22	4	541	10
1	5	1	5	2	22	4	19	3	11	2	27	5	24	5	41	6	40	6	7	1	7	1	5	1	213	3
0	-	-	6	1	6	1	1	*	1	*	4	1	5	1	9	1	9	1	1	*	2	*	-	-	44	1
MEAN	18.2		16.2		15.6		15.2		13.7		12.9		11.2		10.6		12.7		15.8		17.2		17.6		14.7	
S.D.	6.8		7.0		7.2		6.5		5.3		5.4		4.6		4.7		6.0		6.3		6.6		6.7		6.6	
TOTAL	5264		5946		6608		6381		5338		5977		5626		7728		7846		7776		7915		7409		79814	
MAX	43.0		48.0		49.6		41.6		44.3		37.3		32.1		37.5		42.6		44.5		39.1		42.0		49.6	
DATE	1994010307		1997021223		1993031216		1993040813		1991050211		1993062016		2000072403		1999082216		1998090918		1996100601		1995111112		1995121815		1993031216	
MIN	0.6		0.0		0.0		0.4		0.0		0.0		0.0		0.0		0.0		0.4		0.2		0.8		0.0	
DATE	1997012504		1994021118		1998032223		1996040900		1998052813		2001061623		1995072901		1999083102		1996090220		1995102808		1999112101		1998120215		2001061623	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: SIGNIFICANT WAVE HEIGHT (METERS) -- POR: (5/1990 - 12/2001) (79731 RECORDS, 94.6% 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
6.0	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
5.5	-	-	-	-	7	999	-	-	-	-	-	-	-	-	-	-	1	#	1	#	-	-	-	-	9	999
5.0	1	#	-	-	9	999	-	-	-	-	-	-	-	-	2	#	5	999	6	999	1	#	-	-	24	999
4.5	9	999	3	#	17	997	-	-	-	-	1	#	-	-	4	999	12	999	16	999	9	999	3	#	74	999
4.0	25	998	19	999	37	995	5	#	-	-	3	999	-	-	9	999	25	997	42	997	35	999	52	999	252	999
3.5	111	993	97	996	70	989	19	999	-	-	17	999	-	-	8	998	34	994	156	991	106	994	106	992	724	995
3.0	213	971	200	980	202	979	118	996	11	#	32	997	2	#	14	997	73	989	254	970	327	981	352	977	1798	986
2.5	403	928	463	946	529	948	560	978	99	998	127	991	53	999	70	995	200	979	440	935	753	940	545	928	4242	964
2.0	851	847	770	868	1033	868	1174	890	474	982	506	970	254	992	220	986	402	950	1018	875	1441	845	1125	851	9268	911
1.5	1423	676	1592	739	1550	711	1653	707	1626	904	1341	888	720	955	466	956	1224	892	1744	736	2007	663	1854	693	17200	794
1.0	1301	389	1918	470	2097	476	1922	449	2570	635	2239	668	3032	850	2305	893	2284	717	2465	499	1944	410	2136	433	26213	579
0.5	623	128	754	147	1020	159	943	148	1276	211	1804	301	2730	410	3811	582	2606	391	1170	163	1281	165	904	133	18922	250
0.0	11	2	120	20	27	4	6	1	1	*	31	5	87	13	508	68	127	18	22	3	24	3	40	6	1004	13
MEAN	1.5		1.4		1.4		1.4		1.1		1.1		0.9		0.8		1.0		1.4		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		0.7		0.7		0.7		0.7	
TOTAL	4971		5936		6599		6400		6057		6101		6878		7417		6993		7334		7928		7117		79731	
MAX	5.2		4.5		5.8		4.2		3.1		4.3		2.8		4.8		5.4		5.5		4.8		4.5		5.8	
DATE	1996011902		1998021507		1993031220		1997040508		1993050604		1993061916		1998070319		1999082300		1998091007		1996100612		1990112920		1991122013		1993031220	
MIN	0.0		0.0		0.2		0.2		0.1		0.0		0.2		0.0		0.0		0.2		0.0		0.0		0.0	
DATE	1996011319		1998020811		2001032209		1996041003		1994051304		1992061104		2000072602		1999083105		1996091415		1998100122		2000110107		1997121820		2000110107	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: AVERAGE WAVE PERIOD (SECONDS) -- POR: (5/1990 - 12/2001) (79731 RECORDS, 94.6% 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
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	1	#
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	999
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
9	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	3	999
8	16	#	26	999	51	#	2	#	-	-	1	#	-	-	16	999	15	999	28	#	50	999	10	#	215	999
7	101	997	132	995	251	992	173	999	38	#	54	999	2	#	61	998	104	998	316	996	196	994	204	999	1632	997
6	914	976	1109	973	1578	954	1450	973	489	994	590	991	455	999	450	989	619	983	1507	953	1426	969	1311	970	11898	977
5	2756	793	3203	786	2919	715	3304	746	3316	913	2852	894	2533	934	2121	929	2610	894	3341	748	4114	789	3630	786	36699	828
4	1127	238	1334	247	1662	273	1425	230	2133	366	2517	427	3737	565	4183	643	3398	521	2084	292	2007	270	1905	276	27512	367
3	56	11	89	22	138	21	46	7	81	13	87	14	151	22	422	79	213	35	58	8	133	17	56	8	1530	22
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
0	1	*	41	7	-	-	-	-	-	-	-	-	-	-	163	22	33	5	-	-	1	*	1	*	240	3
MEAN	4.9		4.9		5.0		5.0		4.7		4.6		4.4		4.2		4.5		4.9		4.9		4.9		4.7	
S.D.	0.7		0.8		0.8		0.7		0.6		0.6		0.6		0.9		0.8		0.8		0.8		0.7		0.8	
TOTAL	4971		5936		6599		6400		6057		6101		6878		7417		6993		7334		7928		7117		79731	
MAX	7.9		8.8		8.1		7.5		7.1		8.3		7.2		14.3		8.6		7.9		11.8		7.9		14.3	
DATE	2001013006		1998022710		1993031622		1997040607		1991050113		1998060718		2000072618		2001080622		1998092716		1992100317		2001110921		1991122119		2001080622	
MIN	0.0		0.0		2.9		3.1		2.8		3.0		2.9		0.0		0.0		3.0		0.0		0.0		0.0	
DATE	1996011319		1998020811		1994030419		1998042406		1993051415		1994062113		1990071507		1999083105		1996091415		1996101020		2000110107		1997121820		2000110107	

(* < 0.05% , # = 100.0%)

STATION: 42019

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

ELEMENT: DOMINANT WAVE PERIOD (SECONDS) -- POR: (5/1990 - 12/2001) (79731 RECORDS, 94.6% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
25	-	-	-	-	-	-	-	-	-	-	1	#	-	-	8	#	-	-	-	-	6	#	-	-	15	#
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
20	-	-	-	-	1	#	-	-	-	-	5	999	4	#	4	999	-	-	-	-	2	999	-	-	16	999
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
17	-	-	-	-	-	-	-	-	-	-	3	999	2	999	5	998	2	#	-	-	2	999	-	-	14	999
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
14	-	-	-	-	1	999	-	-	-	-	1	999	2	999	7	998	4	999	1	#	1	999	-	-	17	999
13	-	-	-	-	-	-	-	-	-	-	1	998	1	999	4	997	5	999	11	999	6	999	-	-	28	999
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
11	-	-	4	#	9	999	-	-	6	#	-	-	1	999	22	996	22	998	80	998	51	998	19	#	214	999
10	39	#	111	999	126	998	27	#	6	999	17	998	12	999	52	993	127	995	253	987	80	991	50	997	900	996
9	118	992	174	981	324	979	201	996	66	998	96	995	55	997	87	986	97	977	415	953	301	981	182	990	2116	985
8	805	968	914	951	1260	930	1483	964	627	987	624	980	355	989	396	975	595	963	1652	896	1550	943	976	965	11237	958
7	1352	806	1490	797	1488	739	1746	733	1676	884	1295	877	1047	937	677	921	1312	878	1460	671	1998	748	1863	828	17404	817
6	1508	535	1827	546	1671	514	1656	460	1900	607	2136	665	2218	785	2051	830	1964	691	1803	472	2089	496	2114	566	22937	599
5	699	231	941	239	1076	260	855	201	1280	293	1263	315	2165	462	2289	553	1740	410	1072	226	1168	232	1222	269	15770	311
4	370	91	326	80	484	97	359	68	420	82	530	108	849	148	1251	245	916	161	493	80	506	85	606	97	7110	114
3	79	16	108	25	159	24	73	11	76	13	129	21	167	24	401	76	176	30	94	13	166	21	84	12	1712	24
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	1	3
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
0	1	*	41	7	-	-	-	-	-	-	-	-	-	-	163	22	33	5	-	-	1	*	1	*	240	3
MEAN	6.3		6.3		6.4		6.5		6.1		6.0		5.6		5.3		5.8		6.7		6.5		6.2		6.1	
S.D.	1.3		1.5		1.5		1.3		1.2		1.3		1.2		1.8		1.5		1.6		1.6		1.3		1.5	
TOTAL	4971		5936		6599		6400		6057		6101		6878		7417		6993		7334		7928		7117		79731	
MAX	10.0		11.1		20.0		10.0		11.1		25.0		20.0		25.0		16.7		14.3		25.0		11.1		25.0	
DATE	1997011611		1998022705		2001032120		1998041513		1991052319		2001062420		2000073021		2001082520		2001091919		2001102919		2001111322		1991122213		2001111322	
MIN	0.0		0.0		2.5		2.5		2.6		2.5		2.5		0.0		0.0		2.5		0.0		0.0		0.0	
DATE	1996011319		1998020811		2001032213		1994042405		1998052003		2001062318		2000070905		1999083105		1996091415		1990101409		2000110107		1997121820		2000110107	

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: 42019
(A) TOTAL STDMET RECORDS READ = 84253
(B) TOTAL CWIND RECORDS READ = 0
(C) TOTAL RECORDS USED IN STATS = 84253

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	83797	75651	75639	23062	81894	79854	79814	0	79731	79731	79731	0
(E) ELEMENT OUT OF RANGE	456	8602	8614	61191	2359	4399	4439	0	4522	4522	4522	84253

STATION: 42019 -- POR (5/1990 - 12/2001)

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

ELEMENT: AIR TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1990	MEAN	-	-	-	-	27.1	28.3	28.1	28.8	27.6	24.2	21.9	18.8	25.4
	MAXIMUM	-	-	-	-	29.1	31.2	30.0	30.2	30.4	30.0	25.9	24.2	31.2
	DAY-HR	-	-	-	-	28-22	24-22	29-22	25-21	15-23	04-21	04-18	03-09	JUN
	MINIMUM	-	-	-	-	25.9	23.0	24.2	26.8	22.6	16.8	13.3	4.9	4.9
	DAY-HR	-	-	-	-	26-09	10-14	16-21	27-22	01-12	10-16	05-13	24-09	DEC
	# OBS	-	-	-	-	163	715	743	743	718	741	719	742	5284
1991	MEAN	17.4	17.9	19.7	23.1	25.5	27.3	-	28.5	27.4	25.3	19.5	19.6	22.3
	MAXIMUM	23.0	22.2	23.0	26.6	27.8	29.7	-	30.5	29.7	27.7	24.8	23.8	30.5
	DAY-HR	10-16	19-12	28-23	28-22	27-23	06-20	-	22-17	01-15	05-05	19-22	02-09	AUG
	MINIMUM	10.0	12.1	12.0	15.7	21.1	23.7	-	24.2	22.3	18.0	12.0	12.4	10.0
	DAY-HR	22-00	26-16	03-15	01-01	08-22	09-13	-	27-16	25-20	31-23	09-11	02-18	JAN
	# OBS	744	672	744	719	744	256	-	411	714	741	717	744	7206
1992	MEAN	16.7	18.2	19.1	21.0	23.7	27.5	28.6	27.9	27.8	25.2	20.1	20.5	23.0
	MAXIMUM	22.6	22.0	21.9	25.0	26.3	30.1	29.6	29.8	29.4	27.3	26.7	24.0	30.1
	DAY-HR	08-17	23-20	09-18	24-21	29-04	26-23	22-21	01-15	03-23	16-18	01-16	04-17	JUN

	MINIMUM	9.0	10.7	11.0	13.8	18.7	22.6	24.5	22.6	23.6	20.7	9.2	12.2	9.0
	DAY-HR	16-19	26-18	10-18	03-06	08-12	02-16	03-23	23-18	23-11	08-19	27-17	15-16	JAN
	# OBS	741	691	738	719	740	712	740	739	718	742	707	739	8726
1993	MEAN	18.6	18.3	19.2	20.8	24.6	28.0	29.9	30.7	29.8	26.8	22.3	20.9	24.2
	MAXIMUM	23.5	22.9	23.4	24.0	27.0	30.4	32.4	32.9	32.2	30.4	28.4	26.6	32.9
	DAY-HR	04-17	25-22	30-23	25-23	30-23	29-23	31-23	19-17	01-23	20-18	13-21	04-09	AUG
	MINIMUM	10.9	11.2	6.8	13.5	18.9	23.6	28.5	26.6	24.9	11.6	11.9	10.1	6.8
	DAY-HR	26-18	18-21	13-16	15-12	02-12	02-05	18-17	21-21	15-10	31-03	26-23	24-16	MAR
	# OBS	739	672	727	718	732	719	744	743	718	744	716	741	8713
1994	MEAN	18.7	17.3	18.8	21.1	24.8	27.5	28.5	28.2	27.4	25.1	23.6	21.5	23.7
	MAXIMUM	24.3	21.9	22.7	24.5	28.1	29.2	30.9	30.7	30.7	29.2	26.6	25.1	30.9
	DAY-HR	06-22	22-23	27-17	28-20	31-22	25-19	18-22	06-17	05-20	03-17	09-18	09-20	JUL
	MINIMUM	10.2	6.4	9.3	12.5	19.9	22.9	24.3	25.0	21.9	19.9	18.2	12.6	6.4
	DAY-HR	30-21	10-16	10-03	06-20	14-05	02-13	31-14	02-13	23-13	27-23	23-22	11-15	FEB
	# OBS	742	655	742	719	739	716	712	742	717	738	717	384	8323
1995	MEAN	-	-	-	-	-	-	29.0	28.9	28.4	24.9	21.6	18.6	24.7
	MAXIMUM	-	-	-	-	-	-	31.5	30.8	31.6	28.9	26.1	24.3	31.6
	DAY-HR	-	-	-	-	-	-	29-01	20-21	18-21	01-03	03-04	05-22	SEP
	MINIMUM	-	-	-	-	-	-	25.8	25.3	21.6	19.7	13.9	10.9	10.9
	DAY-HR	-	-	-	-	-	-	30-12	01-21	23-10	30-07	29-13	10-13	DEC
	# OBS	-	-	-	-	-	-	269	725	707	742	713	744	3900
1996	MEAN	16.7	17.0	16.8	20.1	24.6	27.3	28.7	28.3	27.6	24.9	21.7	19.0	22.8
	MAXIMUM	22.7	22.0	21.4	23.0	27.4	29.2	30.3	30.2	30.8	27.6	26.6	23.5	30.8
	DAY-HR	01-20	26-20	16-19	28-22	30-22	17-22	06-17	16-17	09-23	02-16	01-21	12-21	SEP
	MINIMUM	4.8	3.9	6.7	11.0	18.3	24.2	26.6	23.0	21.9	16.7	9.8	5.2	3.9
	DAY-HR	07-15	04-20	08-18	06-17	01-02	21-21	26-14	30-16	28-21	22-19	25-14	19-11	FEB
	# OBS	738	690	744	736	739	717	838	788	715	733	692	739	8869
1997	MEAN	16.4	17.3	20.1	20.5	-	-	-	-	-	-	20.2	17.0	18.5
	MAXIMUM	23.0	21.9	23.0	23.5	-	-	-	-	-	-	24.6	23.9	24.6
	DAY-HR	04-21	28-22	29-23	26-13	-	-	-	-	-	-	28-21	09-21	NOV
	MINIMUM	6.6	10.3	13.7	13.3	-	-	-	-	-	-	11.7	7.0	6.6
	DAY-HR	28-20	14-21	20-10	12-19	-	-	-	-	-	-	16-07	12-19	JAN
	# OBS	736	633	740	688	-	-	-	-	-	-	521	689	4007
1998	MEAN	17.5	17.7	17.9	20.4	24.3	27.8	28.8	28.8	27.9	26.0	22.9	19.8	23.8
	MAXIMUM	22.0	22.1	22.2	25.0	27.7	29.8	31.5	30.1	30.0	29.0	26.6	24.6	31.5
	DAY-HR	22-05	10-20	30-20	16-22	30-19	27-21	16-23	14-21	04-00	05-22	01-22	07-20	JUL
	MINIMUM	11.4	11.4	9.0	16.8	19.9	25.3	24.4	23.8	23.7	20.7	16.3	10.5	9.0
	DAY-HR	23-14	06-19	09-16	04-20	01-01	06-15	03-14	15-17	06-01	23-09	05-12	24-03	MAR
	# OBS	260	663	716	695	738	691	735	789	712	735	718	559	8011
1999	MEAN	-	18.9	19.3	22.5	25.1	27.6	28.0	28.8	27.4	24.3	22.0	19.9	24.3
	MAXIMUM	-	22.0	22.2	25.3	27.4	29.9	30.0	31.5	29.4	28.1	25.0	24.6	31.5
	DAY-HR	-	11-18	28-23	27-17	31-23	16-00	27-17	06-16	02-17	08-19	22-22	04-17	AUG
	MINIMUM	-	10.6	9.4	16.5	21.4	23.5	23.3	24.2	21.9	17.4	13.3	12.9	9.4
	DAY-HR	-	12-17	14-17	15-17	12-15	16-16	09-19	31-17	29-21	19-20	25-19	05-18	MAR
	# OBS	-	602	718	705	742	719	740	740	704	738	711	316	7435
2000	MEAN	-	-	-	-	-	27.9	28.4	28.6	27.6	25.2	20.8	16.8	24.7
	MAXIMUM	-	-	-	-	-	28.9	30.7	31.0	31.2	29.2	26.7	23.7	31.2
	DAY-HR	-	-	-	-	-	29-21	22-20	20-21	05-22	06-17	07-22	11-22	SEP
	MINIMUM	-	-	-	-	-	27.3	24.2	24.6	19.9	13.0	12.5	7.8	7.8
	DAY-HR	-	-	-	-	-	24-11	31-14	01-12	26-22	09-01	19-16	27-18	DEC
	# OBS	-	-	-	-	-	174	744	744	716	741	718	743	4580
2001	MEAN	16.0	18.9	18.4	22.6	24.9	27.4	28.6	28.8	27.5	24.4	22.7	19.7	23.4
	MAXIMUM	21.9	23.0	22.7	24.8	28.1	29.2	30.7	31.4	30.8	27.7	25.7	24.6	31.4
	DAY-HR	29-10	27-22	01-00	15-22	25-23	28-18	22-22	05-22	21-16	13-11	19-19	06-22	AUG
	MINIMUM	5.2	9.7	13.4	18.0	21.7	23.8	24.4	23.5	23.4	19.1	8.4	10.9	5.2
	DAY-HR	03-21	17-23	19-19	18-15	22-17	09-13	02-23	28-22	25-20	16-22	29-13	25-18	JAN
	# OBS	742	672	741	716	743	718	744	744	717	744	719	743	8743
POR	MEAN	17.2	17.9	18.8	21.3	24.7	27.7	28.7	28.8	27.9	25.1	21.6	19.2	23.5
	MAXIMUM	24.3	23.0	23.4	26.6	29.1	31.2	32.4	32.9	32.2	30.4	28.4	26.6	32.9
	YEAR	1994	2001	1993	1991	1990	1990	1993	1993	1993	1993	1993	1993	AUG/1993
	MINIMUM	4.8	3.9	6.7	11.0	18.3	22.6	23.3	22.6	19.9	11.6	8.4	4.9	3.9
	YEAR	1996	1996	1996	1996	1996	1992	1999	1992	2000	1993	2001	1990	FEB/1996
	# OBS	5442	5950	6610	6415	6080	6137	7009	7908	7856	8139	8368	7883	83797

STATION: 42019 -- 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	29.0	28.8	29.5	29.1	27.3	24.3	22.5	27.2
	MAXIMUM	-	-	-	-	29.3	33.7	31.3	31.5	30.8	30.0	25.8	24.0	33.7
	DAY-HR	-	-	-	-	28-22	24-21	29-20	29-21	15-23	04-21	02-01	01-00	JUN
	MINIMUM	-	-	-	-	26.1	27.4	27.7	28.7	28.4	25.3	23.5	21.1	21.1
	DAY-HR	-	-	-	-	25-15	10-14	25-16	02-11	30-14	31-16	26-13	27-10	DEC
	# OBS	-	-	-	-	163	715	743	742	718	741	718	743	5283
1991	MEAN	21.3	20.5	20.3	23.3	26.0	28.0	-	29.6	28.9	26.8	24.1	22.4	24.2
	MAXIMUM	22.2	21.4	22.0	25.8	29.6	31.3	-	32.1	30.7	29.4	26.3	23.3	32.1
	DAY-HR	06-18	11-22	27-23	28-22	26-19	06-21	-	20-22	02-22	03-21	01-04	01-21	AUG
	MINIMUM	20.4	19.9	19.1	21.2	24.3	26.7	-	28.9	28.0	26.3	23.1	21.6	19.1
	DAY-HR	25-10	28-23	06-02	08-15	02-17	01-15	-	31-19	27-17	27-13	30-16	31-23	MAR
	# OBS	744	672	743	719	744	254	-	411	714	741	716	744	7202
1992	MEAN	20.7	20.0	20.1	21.9	24.4	28.0	28.8	29.0	28.9	26.9	24.4	22.7	24.7
	MAXIMUM	21.6	21.9	21.8	24.6	28.6	31.6	30.8	31.1	30.4	28.1	26.4	23.6	31.6
	DAY-HR	01-19	23-22	07-21	24-22	24-20	27-00	22-22	10-20	26-22	01-02	01-14	29-18	JUN
	MINIMUM	20.0	18.7	19.1	19.0	22.4	25.2	27.8	28.0	27.9	26.1	22.9	21.1	18.7
	DAY-HR	31-14	08-17	03-12	07-15	09-14	01-13	13-15	24-15	29-15	31-23	29-11	17-15	FEB
	# OBS	741	691	738	719	739	712	740	739	718	741	705	737	8720
1993	MEAN	21.8	21.2	21.4	22.1	24.4	27.0	29.0	29.4	29.2	27.4	24.7	23.0	25.1
	MAXIMUM	23.3	22.4	23.3	24.4	27.7	29.0	31.2	32.0	30.6	28.7	25.5	24.2	32.0
	DAY-HR	03-10	24-03	30-23	25-23	30-23	27-00	29-19	19-00	02-22	04-21	19-23	11-21	AUG
	MINIMUM	20.4	20.4	17.9	19.9	22.0	24.9	28.1	28.2	28.0	24.9	24.0	21.2	17.9
	DAY-HR	27-14	21-16	16-16	03-19	07-10	01-08	31-10	23-14	30-16	31-23	09-09	30-05	MAR
	# OBS	739	672	727	718	733	719	744	743	718	744	716	741	8714
1994	MEAN	21.1	20.1	20.4	21.7	25.3	28.1	29.0	29.0	28.9	26.8	25.5	24.0	25.1
	MAXIMUM	24.6	21.2	21.9	23.8	28.2	29.9	30.5	30.5	31.2	28.8	26.1	24.6	31.2
	DAY-HR	25-18	25-23	24-23	30-23	31-21	20-23	02-22	17-02	04-20	03-20	15-13	01-00	SEP
	MINIMUM	18.0	19.1	19.6	19.7	22.2	26.6	28.4	28.3	27.6	25.8	24.3	23.5	18.0
	DAY-HR	07-16	13-13	31-15	01-08	02-07	05-10	31-20	01-12	28-09	31-15	30-18	16-16	JAN
	# OBS	741	655	742	719	739	713	704	742	717	738	717	384	8311
1995	MEAN	-	-	-	-	-	-	29.8	29.7	29.7	26.7	24.3	22.6	26.8
	MAXIMUM	-	-	-	-	-	-	32.4	32.3	32.3	29.0	25.8	24.2	32.4
	DAY-HR	-	-	-	-	-	-	27-23	04-21	18-22	05-22	03-06	06-19	JUL
	MINIMUM	-	-	-	-	-	-	29.2	28.5	28.5	25.1	23.0	21.4	21.4
	DAY-HR	-	-	-	-	-	-	27-10	14-11	30-15	31-15	29-17	28-14	DEC
	# OBS	-	-	-	-	-	-	261	722	705	742	711	744	3885
1996	MEAN	20.4	20.0	20.1	21.1	24.2	-	-	-	-	-	-	-	21.1
	MAXIMUM	21.9	21.3	21.3	22.9	26.7	-	-	-	-	-	-	-	26.7
	DAY-HR	02-00	28-00	21-22	27-19	27-20	-	-	-	-	-	-	-	MAY
	MINIMUM	19.6	19.1	18.8	19.8	21.5	-	-	-	-	-	-	-	18.8
	DAY-HR	29-00	16-12	08-11	02-16	02-16	-	-	-	-	-	-	-	MAR
	# OBS	738	690	744	736	652	-	-	-	-	-	-	-	3560
1997	MEAN	-	-	-	-	-	-	-	-	-	-	23.9	21.2	22.3
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	25.0	23.8	25.0
	DAY-HR	-	-	-	-	-	-	-	-	-	-	09-02	01-23	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	-	22.7	18.2	18.2
	DAY-HR	-	-	-	-	-	-	-	-	-	-	25-16	25-10	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	521	687	1208
1998	MEAN	20.5	20.4	19.4	20.7	24.3	28.0	29.3	29.8	28.8	27.6	25.2	22.9	25.1
	MAXIMUM	21.4	21.5	21.5	25.2	28.9	29.9	32.1	32.0	30.5	29.7	26.6	24.6	32.1
	DAY-HR	31-23	20-21	05-22	16-21	29-22	27-22	16-22	11-21	20-21	01-21	02-22	01-15	JUL
	MINIMUM	19.1	18.1	17.5	18.7	21.1	26.6	28.4	28.4	27.6	26.6	24.2	21.4	17.5
	DAY-HR	27-17	28-23	03-11	04-14	02-13	01-10	12-13	23-08	12-07	31-23	28-14	24-06	MAR
	# OBS	261	663	716	694	738	691	735	789	712	735	718	559	8011
1999	MEAN	-	19.8	19.9	22.5	25.4	28.0	29.0	29.5	28.7	26.8	24.7	23.1	25.4
	MAXIMUM	-	21.9	21.5	25.4	27.7	30.0	31.5	31.7	31.5	28.9	25.8	23.8	31.7
	DAY-HR	-	15-20	15-22	27-19	31-23	15-23	23-23	26-21	02-20	07-21	01-22	01-21	AUG
	MINIMUM	-	18.8	18.8	19.6	23.6	26.8	28.1	28.5	27.6	25.3	23.5	22.4	18.8
	DAY-HR	-	20-16	06-11	01-14	02-14	26-19	15-14	28-11	29-12	29-15	28-17	14-05	MAR
	# OBS	-	602	719	705	742	719	740	740	704	738	711	316	7436
2000	MEAN	-	-	-	-	-	28.5	29.0	29.0	29.0	27.1	24.6	22.1	26.8
	MAXIMUM	-	-	-	-	-	29.7	31.6	31.6	30.8	29.7	26.8	23.7	31.6
	DAY-HR	-	-	-	-	-	28-21	25-22	16-22	05-21	06-22	01-02	11-01	AUG
	MINIMUM	-	-	-	-	-	27.7	27.6	27.4	27.7	25.0	20.7	19.5	19.5
	DAY-HR	-	-	-	-	-	25-14	29-15	01-14	30-23	28-15	29-23	29-16	DEC
	# OBS	-	-	-	-	-	174	743	744	717	741	718	744	4581
2001	MEAN	19.9	20.5	20.5	22.8	25.4	27.8	29.2	29.5	28.8	26.5	24.7	23.2	24.9
	MAXIMUM	21.4	22.0	22.2	24.6	28.4	30.3	31.9	30.7	30.9	27.6	25.8	24.3	31.9
	DAY-HR	01-11	28-20	01-09	16-22	25-22	01-20	22-22	05-23	20-21	03-20	04-12	06-23	JUL
	MINIMUM	18.0	18.8	18.8	20.6	23.0	26.6	28.2	28.9	27.6	25.3	23.7	21.5	18.0
	DAY-HR	22-15	18-04	21-16	01-13	01-15	01-09	02-10	28-23	30-16	31-17	30-16	29-03	JAN
	# OBS	742	672	741	716	743	718	744	744	714	744	719	743	8740

POR	MEAN	20.9	20.3	20.3	22.0	25.0	28.0	29.0	29.4	29.0	27.0	24.6	22.6	25.1
	MAXIMUM	24.6	22.4	23.3	25.8	29.6	33.7	32.4	32.3	32.3	30.0	26.8	24.6	33.7
	YEAR	1994	1993	1993	1991	1991	1990	1995	1995	1995	1990	2000	1998	JUN/1990
	MINIMUM	18.0	18.1	17.5	18.7	21.1	24.9	27.6	27.4	27.6	24.9	20.7	18.2	17.5
	YEAR	2001	1998	1998	1998	1998	1993	2000	2000	2001	1993	2000	1997	MAR/1998
	# OBS	4706	5317	5870	5726	5993	5415	6154	7116	7137	7405	7670	7142	75651

STATION: 42019 -- POR (5/1993 - 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
1993	MEAN	-	-	-	-	21.0	25.5	26.0	25.9	25.2	21.9	17.6	15.5	22.4
	MAXIMUM	-	-	-	-	24.7	27.8	27.6	27.8	28.3	27.7	27.2	25.8	28.3
	DAY-HR	-	-	-	-	09-23	29-19	28-04	23-04	21-22	20-00	14-23	04-09	SEP
	MINIMUM	-	-	-	-	10.9	19.3	24.2	22.2	14.2	3.9	3.2	2.5	2.5
	DAY-HR	-	-	-	-	11-16	02-05	03-16	21-20	28-07	31-17	28-03	24-20	DEC
	# OBS	-	-	-	-	647	718	744	742	718	744	715	741	5769
1994	MEAN	14.7	-	-	-	-	-	21.8	25.4	22.6	21.4	20.2	18.6	20.9
	MAXIMUM	21.8	-	-	-	-	-	25.6	27.5	26.7	27.0	26.0	24.3	27.5
	DAY-HR	25-08	-	-	-	-	-	28-17	23-22	01-00	16-23	05-03	09-19	AUG
	MINIMUM	4.3	-	-	-	-	-	17.6	20.2	10.8	8.8	9.0	5.8	4.3
	DAY-HR	04-04	-	-	-	-	-	29-19	01-01	23-23	12-22	30-08	11-07	JAN
	# OBS	592	-	-	-	-	-	82	742	717	740	717	384	3974
2000	MEAN	-	-	-	-	-	23.2	23.3	23.4	21.4	19.0	15.0	11.2	19.1
	MAXIMUM	-	-	-	-	-	24.6	25.4	25.4	27.0	25.6	24.1	21.5	27.0
	DAY-HR	-	-	-	-	-	26-16	23-19	08-02	06-06	05-20	08-03	15-15	SEP
	MINIMUM	-	-	-	-	-	21.7	17.5	20.4	11.0	8.4	4.2	-2.0	-2.0
	DAY-HR	-	-	-	-	-	28-21	24-06	19-11	29-00	09-11	09-20	20-05	DEC
	# OBS	-	-	-	-	-	174	744	744	717	741	718	743	4581
2001	MEAN	11.1	15.2	13.1	19.2	20.5	22.6	23.2	23.1	21.1	17.2	16.2	13.7	18.0
	MAXIMUM	20.1	21.8	21.2	23.3	23.9	25.8	25.5	25.7	25.6	24.9	23.3	22.8	25.8
	DAY-HR	29-12	27-05	15-00	14-00	30-08	14-19	27-09	31-23	01-05	13-07	27-05	13-10	JUN
	MINIMUM	-0.9	-1.0	2.2	8.3	10.9	16.0	19.3	18.7	11.4	5.6	5.9	-1.4	-1.4
	DAY-HR	20-18	03-16	20-19	18-13	22-23	18-14	16-22	14-05	30-23	14-15	29-21	26-03	DEC
	# OBS	740	672	741	716	743	718	744	744	715	744	718	743	8738
POR	MEAN	12.7	15.2	13.1	19.2	20.7	24.0	24.1	24.4	22.6	19.9	17.2	14.2	19.8
	MAXIMUM	21.8	21.8	21.2	23.3	24.7	27.8	27.6	27.8	28.3	27.7	27.2	25.8	28.3
	YEAR	1994	2001	2001	2001	1993	1993	1993	1993	1993	1993	1993	1993	SEP/1993
	MINIMUM	-0.9	-1.0	2.2	8.3	10.9	16.0	17.5	18.7	10.8	3.9	3.2	-2.0	-2.0
	YEAR	2001	2001	2001	2001	2001	2001	2000	2001	1994	1993	1993	2000	DEC/2000
	# OBS	1332	672	741	716	1390	1610	2314	2972	2867	2969	2868	2611	23062

STATION: 42019 -- 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	-	-	-	-	1009.4	1015.2	1016.4	1016.6	1015.4	1017.0	1018.7	1019.1	1016.7
	MAXIMUM	-	-	-	-	1014.2	1019.7	1020.4	1019.5	1022.1	1025.7	1033.6	1033.3	1033.6
	DAY-HR	-	-	-	-	25-15	30-18	01-04	12-17	24-16	28-17	29-17	04-16	NOV
	MINIMUM	-	-	-	-	1005.5	1011.0	1012.7	1012.2	1010.3	1010.9	1003.1	1006.2	1003.1
	DAY-HR	-	-	-	-	27-23	20-09	04-00	31-09	13-00	21-00	09-01	18-03	NOV
	# OBS	-	-	-	-	163	715	743	743	718	741	719	743	5285
1991	MEAN	1018.7	1019.6	1012.3	1011.5	1011.6	1012.5	-	1015.3	1016.0	1015.3	1020.2	1020.2	1015.9
	MAXIMUM	1030.5	1033.5	1030.3	1029.3	1020.7	1016.3	-	1019.6	1020.4	1024.4	1032.7	1032.3	1033.5
	DAY-HR	31-17	01-17	31-18	01-17	06-19	11-17	-	29-17	29-17	07-16	24-16	04-16	FEB
	MINIMUM	1006.3	1005.0	997.7	999.3	1007.0	1007.9	-	1009.8	1009.4	1007.2	1009.0	1010.3	997.7
	DAY-HR	15-04	13-23	29-05	28-23	20-00	01-00	-	31-12	05-11	28-10	19-00	02-10	MAR
	# OBS	744	672	743	719	744	256	-	411	714	741	716	744	7204
1992	MEAN	1018.8	1015.9	1015.9	1014.9	1015.4	1011.0	1016.3	1016.2	1014.8	1016.4	1016.6	1018.1	1015.9
	MAXIMUM	1032.6	1025.0	1024.0	1025.2	1024.7	1016.9	1020.8	1020.5	1020.0	1026.2	1027.6	1027.5	1032.6
	DAY-HR	16-16	20-17	01-17	27-16	07-17	18-18	08-18	01-17	12-17	23-17	27-16	24-16	JAN
	MINIMUM	1003.7	1001.7	1005.8	1000.4	1006.1	1005.8	1008.0	1010.9	1008.0	1009.5	1003.0	1005.6	1000.4
	DAY-HR	13-10	04-21	09-22	20-00	28-23	06-09	01-08	12-00	22-01	29-23	24-10	14-01	APR

	# OBS	741	691	738	719	740	712	740	739	718	741	707	740	8726
1993	MEAN	1018.8	1017.9	1016.4	1013.3	1012.7	1013.4	1015.9	1015.8	1015.0	1015.5	1018.9	1018.8	1016.0
	MAXIMUM	1031.7	1031.3	1029.2	1024.3	1018.5	1017.7	1019.1	1020.8	1022.0	1028.0	1026.4	1028.9	1031.7
	DAY-HR	30-17	18-16	14-17	22-17	11-05	26-06	20-16	04-17	28-16	31-17	10-16	30-17	JAN
	MINIMUM	1007.0	1005.7	1003.5	995.5	1003.6	1007.0	1011.8	1010.8	1009.6	1001.1	1007.9	1002.5	995.5
	DAY-HR	09-21	15-22	12-15	14-19	19-02	20-00	04-09	31-01	14-01	29-22	13-21	13-09	APR
	# OBS	739	672	727	718	733	719	744	743	718	744	716	741	8714
1994	MEAN	1020.0	1018.9	1015.9	1014.8	1013.6	1013.2	1015.4	1015.2	1014.9	1012.9	1016.3	1018.2	1015.7
	MAXIMUM	1031.1	1031.5	1029.0	1025.2	1020.5	1018.1	1021.0	1020.3	1020.9	1020.6	1029.1	1027.7	1031.5
	DAY-HR	21-17	14-04	30-17	01-16	23-17	16-18	17-18	24-17	03-16	27-04	23-17	11-15	FEB
	MINIMUM	1004.7	1005.5	997.7	1004.8	1006.4	1007.1	1010.2	1011.0	1009.1	1002.5	1005.6	1010.3	997.7
	DAY-HR	27-21	22-23	27-11	06-00	26-12	24-01	02-23	21-02	30-22	02-10	27-22	03-22	MAR
	# OBS	741	655	742	720	739	712	713	742	717	740	716	384	8321
1995	MEAN	-	-	-	-	-	-	1012.8	1012.0	1014.1	-	1021.0	1018.6	1014.9
	MAXIMUM	-	-	-	-	-	-	1017.2	1016.5	1017.9	-	1022.6	1035.2	1035.2
	DAY-HR	-	-	-	-	-	-	21-19	20-17	11-16	-	30-17	10-16	DEC
	MINIMUM	-	-	-	-	-	-	1004.6	1008.2	1010.9	-	1018.9	1003.3	1003.3
	DAY-HR	-	-	-	-	-	-	30-22	10-23	07-23	-	30-23	31-23	DEC
	# OBS	-	-	-	-	-	-	266	722	268	-	23	744	2023
1996	MEAN	1017.7	1017.9	1017.0	1014.5	1014.1	1014.4	1015.1	1015.9	1012.5	1014.7	1018.7	1018.6	1015.9
	MAXIMUM	1034.0	1042.7	1035.6	1025.2	1020.4	1020.3	1021.2	1020.4	1019.6	1022.8	1030.5	1032.7	1042.7
	DAY-HR	08-16	04-17	08-17	16-17	12-16	02-18	28-17	14-17	29-17	11-17	27-17	19-16	FEB
	MINIMUM	996.6	1002.9	1002.5	1006.2	1007.3	1009.4	1009.4	1008.8	1004.1	1005.7	1007.1	1007.8	996.6
	DAY-HR	01-21	19-10	18-09	26-07	27-11	21-00	08-10	31-23	16-00	25-23	24-20	06-23	JAN
	# OBS	738	689	744	736	739	717	838	788	715	733	692	739	8868
1997	MEAN	1019.0	1018.7	1016.3	1012.8	-	-	-	-	-	-	1015.5	1015.9	1016.4
	MAXIMUM	1033.4	1033.0	1027.4	1023.1	-	-	-	-	-	-	1029.8	1026.2	1033.4
	DAY-HR	18-17	16-18	06-17	15-17	-	-	-	-	-	-	16-17	12-18	JAN
	MINIMUM	1007.3	1003.3	1006.6	1000.5	-	-	-	-	-	-	1002.2	1003.0	1000.5
	DAY-HR	04-23	12-22	01-00	05-02	-	-	-	-	-	-	13-14	23-22	APR
	# OBS	736	633	740	688	-	-	-	-	-	-	521	687	4005
1998	MEAN	1015.6	1011.1	1015.2	1013.1	1011.8	1012.2	1015.4	1014.3	1008.3	1015.8	1016.3	1019.4	1013.9
	MAXIMUM	1048.1	1020.9	1032.6	1025.0	1021.1	1018.9	1019.6	1021.0	1015.3	1025.8	1025.0	1028.6	1048.1
	DAY-HR	20-00	20-16	11-16	11-17	17-16	07-16	31-15	01-15	06-01	23-16	11-16	15-17	JAN
	MINIMUM	1005.4	997.2	995.5	1001.0	1000.7	1003.2	1007.9	1007.1	995.1	1008.7	1007.0	1008.0	995.1
	DAY-HR	22-00	26-10	07-22	16-11	09-08	16-00	14-00	22-03	11-01	06-10	01-22	18-22	SEP
	# OBS	240	663	716	695	738	691	735	789	712	735	718	559	7991
1999	MEAN	-	1018.5	1015.0	1012.9	1012.3	1013.2	1016.0	1013.2	1012.8	1016.4	1020.1	1017.6	1015.1
	MAXIMUM	-	1035.1	1023.6	1028.2	1018.8	1017.3	1022.6	1018.1	1020.6	1024.9	1032.7	1029.8	1035.1
	DAY-HR	-	13-17	15-17	18-16	22-17	03-18	22-17	17-18	29-18	20-16	30-16	01-05	FEB
	MINIMUM	-	1009.4	1000.8	1001.6	998.1	1008.6	1008.8	1007.4	1007.2	1007.0	1008.6	1004.4	998.1
	DAY-HR	-	18-20	13-09	14-22	05-11	26-11	01-01	22-22	25-23	08-10	22-00	12-11	MAY
	# OBS	-	602	718	704	742	719	740	740	704	738	711	316	7434
2000	MEAN	-	-	-	-	-	1015.8	1015.4	1016.2	1012.7	1018.5	1016.1	1021.8	1016.8
	MAXIMUM	-	-	-	-	-	1018.4	1019.4	1023.0	1021.3	1030.2	1033.4	1032.2	1033.4
	DAY-HR	-	-	-	-	-	23-18	19-18	16-17	26-16	09-17	21-17	17-16	NOV
	MINIMUM	-	-	-	-	-	1014.0	1011.0	1010.9	1006.4	1010.2	999.5	1012.6	999.5
	DAY-HR	-	-	-	-	-	26-02	16-10	14-00	21-21	05-09	06-09	21-00	NOV
	# OBS	-	-	-	-	-	174	743	744	717	741	718	743	4580
2001	MEAN	1020.6	1019.4	1015.1	1016.5	1014.6	1013.9	1015.2	1015.8	1014.2	1017.9	1018.1	1018.1	1016.6
	MAXIMUM	1036.2	1031.9	1028.7	1028.1	1022.7	1023.5	1021.2	1020.4	1020.5	1030.2	1028.2	1028.8	1036.2
	DAY-HR	03-16	17-17	05-16	18-17	13-18	27-17	04-16	01-16	30-18	29-16	09-17	20-16	JAN
	MINIMUM	1008.9	1007.1	1001.3	1005.5	1005.5	1005.1	1009.4	1009.4	1007.6	1000.6	1000.7	1007.7	1000.6
	DAY-HR	29-09	24-13	03-10	11-12	21-08	05-23	25-01	31-23	08-08	13-11	23-23	13-20	OCT
	# OBS	742	672	741	716	743	718	744	744	717	744	719	743	8743
POR	MEAN	1018.9	1017.5	1015.5	1013.8	1013.2	1013.3	1015.6	1015.1	1013.7	1016.0	1017.9	1018.8	1015.8
	MAXIMUM	1048.1	1042.7	1035.6	1029.3	1024.7	1023.5	1022.6	1023.0	1022.1	1030.2	1033.6	1035.2	1048.1
	YEAR	1998	1996	1996	1991	1992	2001	1999	2000	1990	2001	1990	1995	JAN/1998
	MINIMUM	996.6	997.2	995.5	995.5	998.1	1003.2	1004.6	1007.1	995.1	1000.6	999.5	1002.5	995.1
	YEAR	1996	1998	1998	1993	1999	1998	1995	1998	1998	2001	2000	1993	SEP/1998
	# OBS	5421	5949	6609	6415	6081	6133	7006	7905	7418	7398	7676	7883	81894

STATION: 42019 -- 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	-	-	-	-	11.4	10.0	8.5	7.8	7.9	10.5	12.7	12.6	10.0

	MAXIMUM	-	-	-	-	17.9	23.7	24.1	15.2	21.0	28.0	29.4	28.4	29.4
	DAY-HR	-	-	-	-	30-13	02-08	07-00	07-13	23-16	10-03	29-14	03-14	NOV
	MINIMUM	-	-	-	-	0.2	0.2	0.2	0.2	0.4	0.4	1.6	1.2	0.2
	DAY-HR	-	-	-	-	29-06	19-14	31-13	01-20	25-19	13-23	24-12	19-08	AUG
	# OBS	-	-	-	-	163	715	743	743	718	741	720	743	5286
1991	MEAN	13.9	12.6	12.8	11.6	12.4	10.1	-	8.2	11.4	11.7	15.3	13.7	12.4
	MAXIMUM	28.2	26.0	27.6	25.7	36.2	23.5	-	27.2	25.9	27.6	30.7	21.4	36.2
	DAY-HR	15-01	20-11	29-07	13-18	02-11	08-07	-	31-15	20-04	31-23	08-06	03-21	MAY
	MINIMUM	1.2	0.2	0.4	0.6	0.2	0.4	-	0.2	0.6	0.6	1.9	1.9	0.2
	DAY-HR	25-17	11-23	23-00	06-17	20-09	06-18	-	17-21	01-15	16-03	10-12	09-21	AUG
	# OBS	744	672	744	719	744	256	-	411	714	741	717	281	6743
1992	MEAN	14.7	12.9	11.9	10.1	-	8.4	10.4	7.8	11.8	12.0	14.0	13.9	11.4
	MAXIMUM	29.9	33.2	28.6	26.2	-	23.5	22.0	26.0	25.5	23.7	26.6	32.9	33.2
	DAY-HR	13-21	25-01	10-16	18-07	-	06-22	01-05	23-17	29-07	08-14	22-01	13-19	FEB
	MINIMUM	1.2	0.6	0.4	0.4	-	0.2	0.0	0.4	0.4	0.4	1.2	1.2	0.0
	DAY-HR	09-03	18-00	30-01	27-06	-	28-03	26-16	10-13	17-18	04-07	24-06	24-00	JUL
	# OBS	567	691	738	686	-	647	740	739	718	379	262	740	6907
1993	MEAN	13.9	13.8	13.3	14.7	11.7	12.8	10.7	7.7	10.4	12.7	13.9	14.5	12.5
	MAXIMUM	34.4	27.2	41.2	33.0	30.3	27.2	21.0	15.9	26.6	29.5	27.6	29.4	41.2
	DAY-HR	24-13	16-09	12-16	08-13	06-03	19-09	05-06	23-12	14-07	30-05	20-05	14-06	MAR
	MINIMUM	0.8	0.2	0.4	1.6	0.0	0.4	0.0	0.0	0.2	1.0	0.6	1.2	0.0
	DAY-HR	21-18	02-07	03-17	26-06	30-17	15-08	31-23	19-17	01-23	15-17	03-22	06-09	AUG
	# OBS	738	672	727	718	733	719	744	743	718	744	716	741	8713
1994	MEAN	15.7	12.4	11.8	12.2	10.2	9.9	10.6	9.2	8.9	11.8	14.2	13.0	11.7
	MAXIMUM	32.5	30.3	33.6	31.3	26.8	20.4	24.1	24.3	21.2	24.1	27.6	27.8	33.6
	DAY-HR	03-10	23-15	09-12	16-11	14-08	27-10	31-13	03-18	23-12	17-02	27-12	10-18	MAR
	MINIMUM	0.6	0.0	0.4	1.6	0.2	0.4	2.5	0.0	0.0	0.4	3.1	2.1	0.0
	DAY-HR	15-01	11-18	04-01	22-18	16-20	19-08	31-21	21-23	06-18	23-13	10-05	12-04	SEP
	# OBS	738	655	742	720	739	631	82	742	717	741	717	384	7608
1995	MEAN	-	-	-	-	-	-	10.0	8.0	8.6	14.6	14.1	13.7	11.7
	MAXIMUM	-	-	-	-	-	-	20.8	22.6	29.2	30.7	32.3	29.0	32.3
	DAY-HR	-	-	-	-	-	-	29-17	11-19	22-16	14-22	11-14	18-15	NOV
	MINIMUM	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.4	0.2	0.0
	DAY-HR	-	-	-	-	-	-	29-01	27-09	09-08	28-08	28-11	07-15	OCT
	# OBS	-	-	-	-	-	-	252	715	700	742	713	744	3866
1996	MEAN	15.6	14.0	13.7	13.0	12.2	9.4	8.0	9.9	8.8	14.8	14.5	13.7	12.2
	MAXIMUM	33.8	28.8	32.1	30.5	19.2	26.0	18.5	28.2	25.9	33.4	29.7	27.0	33.8
	DAY-HR	19-07	28-23	07-12	06-13	30-05	23-06	08-12	13-13	28-10	05-19	24-20	18-12	JAN
	MINIMUM	0.2	0.0	0.6	0.0	1.0	0.0	0.4	0.2	0.0	1.7	0.0	0.4	0.0
	DAY-HR	13-13	13-18	21-20	16-03	11-11	17-16	07-13	16-17	14-12	01-23	19-15	13-00	NOV
	# OBS	738	690	744	736	739	717	838	788	714	733	692	739	8868
1997	MEAN	14.7	14.8	11.9	14.1	-	-	-	-	-	-	14.4	14.4	14.0
	MAXIMUM	29.0	28.6	31.9	29.9	-	-	-	-	-	-	27.0	30.1	31.9
	DAY-HR	09-19	07-21	17-19	05-03	-	-	-	-	-	-	15-19	26-20	MAR
	MINIMUM	0.2	1.0	0.0	0.0	-	-	-	-	-	-	1.7	0.6	0.0
	DAY-HR	25-04	16-09	23-04	21-00	-	-	-	-	-	-	14-22	15-16	APR
	# OBS	736	633	740	688	-	-	-	-	-	-	521	688	4006
1998	MEAN	12.3	14.0	13.8	11.2	9.4	13.5	-	9.1	12.1	13.9	13.7	13.8	12.4
	MAXIMUM	24.1	32.3	32.3	26.8	20.0	24.5	-	29.7	34.0	26.2	26.0	28.2	34.0
	DAY-HR	22-23	15-05	08-18	17-14	15-02	11-08	-	22-03	09-18	06-17	05-11	22-10	SEP
	MINIMUM	2.7	0.6	0.0	0.0	0.0	0.2	-	0.0	0.6	1.6	0.4	0.4	0.0
	DAY-HR	28-01	27-15	22-23	11-09	28-13	26-08	-	28-13	14-17	07-00	26-14	02-15	AUG
	# OBS	261	663	716	695	738	690	-	622	712	735	718	553	7103
1999	MEAN	-	10.8	12.2	12.4	11.9	11.3	8.9	7.8	9.8	11.6	10.8	16.8	11.0
	MAXIMUM	-	34.2	29.0	29.4	25.3	20.6	20.8	24.7	28.8	25.5	27.6	29.4	34.2
	DAY-HR	-	21-05	14-04	03-19	18-08	25-09	21-12	22-16	29-14	31-01	25-10	03-07	FEB
	MINIMUM	-	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0
	DAY-HR	-	10-00	16-00	11-01	06-09	16-05	17-15	31-02	20-07	07-15	21-01	07-18	NOV
	# OBS	-	600	718	705	740	719	741	740	704	738	711	316	7432
2000	MEAN	-	-	-	-	-	9.8	9.0	8.2	11.7	13.6	15.2	15.7	12.1
	MAXIMUM	-	-	-	-	-	15.7	18.1	20.2	23.5	29.2	29.5	30.7	30.7
	DAY-HR	-	-	-	-	-	24-08	24-03	14-21	25-12	08-01	18-22	19-01	DEC
	MINIMUM	-	-	-	-	-	3.9	0.2	0.4	0.2	1.2	0.0	0.4	0.0
	DAY-HR	-	-	-	-	-	29-21	25-21	20-20	19-13	17-19	27-06	09-01	NOV
	# OBS	-	-	-	-	-	174	744	744	717	741	715	744	4579
2001	MEAN	14.2	12.6	12.6	13.3	11.8	10.3	8.6	10.5	11.7	12.5	12.7	14.0	12.1
	MAXIMUM	30.1	26.2	26.2	28.6	25.3	29.2	23.9	22.6	23.1	27.4	24.3	28.0	30.1
	DAY-HR	01-09	09-20	28-00	17-18	22-12	09-10	02-22	29-17	09-21	16-15	29-10	08-22	JAN
	MINIMUM	1.7	0.6	0.4	0.2	1.0	0.0	1.0	0.0	0.0	1.6	0.2	0.4	0.0
	DAY-HR	17-16	25-08	31-13	24-12	25-23	16-23	25-16	05-22	23-13	25-09	19-19	28-22	SEP
	# OBS	742	672	741	716	743	718	744	744	717	744	719	743	8743
POR	MEAN	14.6	13.1	12.7	12.5	11.4	10.7	9.2	8.6	10.3	12.7	13.8	14.1	12.0

	MAXIMUM	34.4	34.2	41.2	33.0	36.2	29.2	24.1	29.7	34.0	33.4	32.3	32.9	41.2
	YEAR	1993	1999	1993	1993	1991	2001	1994	1998	1998	1996	1995	1992	MAR/1993
	MINIMUM	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	YEAR	1997	1996	1999	1998	1999	2001	1999	2001	2001	1999	2000	1995	SEP/2001
	# OBS	5264	5948	6610	6383	5339	5986	5628	7731	7849	7779	7921	7416	79854

STATION: 42019 -- 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	-	-	-	-	13.8	12.3	10.6	9.7	10.2	13.5	16.0	16.1	12.7
	MAXIMUM	-	-	-	-	22.4	28.6	28.6	18.5	26.2	33.8	36.7	36.2	36.7
	DAY-HR	-	-	-	-	30-13	02-13	18-10	27-21	23-16	10-00	29-14	03-14	NOV
	# OBS	-	-	-	-	163	715	743	742	718	741	718	743	5283
1991	MEAN	17.5	15.8	15.7	14.3	15.2	12.5	-	10.1	13.9	14.3	19.4	16.9	15.4
	MAXIMUM	35.8	32.7	35.8	31.7	44.3	28.6	-	33.8	31.1	33.4	37.9	28.2	44.3
	DAY-HR	15-04	17-09	29-07	13-18	02-11	08-07	-	31-15	20-04	06-17	08-06	03-23	MAY
	# OBS	744	672	743	718	744	253	-	411	714	741	716	281	6737
1992	MEAN	18.6	15.7	14.6	12.3	-	10.0	12.5	9.7	14.3	14.9	17.9	17.1	14.0
	MAXIMUM	37.7	44.7	35.6	31.7	-	29.5	29.4	31.7	30.5	28.8	32.7	39.9	44.7
	DAY-HR	13-22	25-01	10-15	18-07	-	06-22	15-19	23-17	29-21	08-14	22-01	13-20	FEB
	# OBS	567	691	738	686	-	647	740	739	718	379	260	737	6902
1993	MEAN	17.2	16.9	16.4	17.9	14.3	15.4	12.9	9.7	12.9	15.9	17.7	18.2	15.4
	MAXIMUM	40.8	33.2	49.6	41.6	37.1	37.3	25.1	20.2	32.7	37.5	35.2	36.5	49.6
	DAY-HR	24-13	16-09	12-16	08-13	06-03	20-16	05-06	29-21	14-07	30-04	09-05	13-09	MAR
	# OBS	738	671	727	718	733	719	744	743	718	744	716	741	8712
1994	MEAN	19.5	15.5	14.5	14.7	12.4	12.0	13.0	11.2	11.3	14.6	17.3	16.1	14.4
	MAXIMUM	43.0	38.3	42.6	39.3	32.9	24.9	29.4	29.4	26.4	29.4	34.6	35.8	43.0
	DAY-HR	03-07	23-15	09-12	16-11	14-08	02-17	31-13	03-18	23-11	09-10	27-12	11-02	JAN
	# OBS	738	654	742	720	738	625	81	741	717	738	717	384	7595
1995	MEAN	-	-	-	-	-	-	12.3	10.1	10.8	18.1	17.7	17.2	14.7
	MAXIMUM	-	-	-	-	-	-	24.3	28.2	35.6	37.5	39.1	42.0	42.0
	DAY-HR	-	-	-	-	-	-	29-17	11-19	22-17	14-22	11-12	18-15	DEC
	# OBS	-	-	-	-	-	-	252	714	700	742	713	744	3865
1996	MEAN	19.4	17.3	17.1	16.0	14.5	11.5	9.9	12.1	11.0	18.3	18.2	17.1	15.1
	MAXIMUM	41.6	35.4	39.5	37.1	24.1	32.9	21.6	35.2	31.7	44.5	36.4	37.3	44.5
	DAY-HR	19-07	28-23	07-14	06-13	30-05	23-06	08-12	13-13	28-10	06-01	25-01	26-16	OCT
	# OBS	738	690	744	736	739	717	838	788	714	733	692	739	8868
1997	MEAN	18.5	18.4	14.5	17.3	-	-	-	-	-	-	17.7	18.0	17.3
	MAXIMUM	36.9	48.0	40.8	37.9	-	-	-	-	-	-	33.6	37.5	48.0
	DAY-HR	09-19	12-23	17-19	05-03	-	-	-	-	-	-	15-20	26-20	FEB
	# OBS	736	633	740	687	-	-	-	-	-	-	521	686	4003
1998	MEAN	15.2	17.3	17.2	13.5	11.2	16.1	-	11.2	14.7	17.0	16.8	17.1	15.2
	MAXIMUM	28.2	39.1	39.1	32.3	24.1	29.0	-	36.2	42.6	36.9	32.5	35.6	42.6
	DAY-HR	22-23	15-05	08-18	17-14	15-02	11-08	-	22-03	09-18	06-15	10-07	22-15	SEP
	# OBS	261	663	716	695	738	690	-	622	712	735	718	552	7102
1999	MEAN	-	13.1	14.9	15.1	14.2	13.5	11.0	9.6	12.1	14.5	13.7	21.1	13.5
	MAXIMUM	-	41.6	36.0	36.5	30.7	24.5	31.7	37.5	33.4	30.9	34.4	38.3	41.6
	DAY-HR	-	21-05	13-17	03-19	18-08	25-09	03-03	22-16	29-14	31-01	25-10	03-07	FEB
	# OBS	-	600	717	705	740	719	740	740	704	738	711	316	7430
2000	MEAN	-	-	-	-	-	11.7	10.8	10.0	14.4	16.6	19.1	19.7	14.9
	MAXIMUM	-	-	-	-	-	19.1	32.1	24.5	29.0	36.2	36.4	38.1	38.1
	DAY-HR	-	-	-	-	-	24-09	24-03	14-21	25-13	08-14	24-07	19-01	DEC
	# OBS	-	-	-	-	-	174	744	744	717	741	714	743	4577
2001	MEAN	17.6	15.4	15.4	16.0	14.2	12.4	10.4	12.7	14.3	15.6	15.7	17.5	14.8
	MAXIMUM	35.8	31.3	32.3	34.2	29.9	36.9	28.6	26.6	28.2	33.8	30.1	34.6	36.9
	DAY-HR	01-09	09-20	28-00	17-18	22-12	09-10	02-22	29-17	02-11	13-14	29-11	08-21	JUN
	# OBS	742	672	741	716	743	718	744	744	714	744	719	743	8740
POR	MEAN	18.2	16.2	15.6	15.2	13.7	12.9	11.2	10.6	12.7	15.8	17.2	17.6	14.7
	MAXIMUM	43.0	48.0	49.6	41.6	44.3	37.3	32.1	37.5	42.6	44.5	39.1	42.0	49.6
	YEAR	1994	1997	1993	1993	1991	1993	2000	1999	1998	1996	1995	1995	MAR/1993
	# OBS	5264	5946	6608	6381	5338	5977	5626	7728	7846	7776	7915	7409	79814

STATION: 42019 -- 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	-	-	-	-	1.0	1.0	0.8	0.6	0.7	1.0	1.4	1.5	1.0
	MAXIMUM	-	-	-	-	1.6	2.8	2.3	2.3	2.6	4.2	4.8	3.9	4.8
	DAY-HR	-	-	-	-	31-20	02-13	17-10	08-21	23-19	10-04	29-20	24-07	NOV
	# OBS	-	-	-	-	163	713	743	741	718	741	717	742	5278
1991	MEAN	1.5	1.3	1.7	1.5	1.5	1.3	-	0.6	1.1	1.3	1.5	1.6	1.4
	MAXIMUM	4.5	3.6	3.9	3.8	3.1	3.0	-	1.2	2.8	4.2	4.5	4.5	4.5
	DAY-HR	15-05	17-10	16-12	13-22	02-11	08-11	-	28-18	21-03	06-22	08-10	20-13	DEC
	# OBS	744	671	743	718	744	247	-	411	714	740	715	744	7191
1992	MEAN	1.5	1.2	1.2	1.1	1.0	0.8	1.1	0.6	1.1	1.4	1.7	1.5	1.2
	MAXIMUM	3.8	4.4	3.5	3.1	2.2	1.9	2.5	1.7	3.9	3.8	4.4	4.3	4.4
	DAY-HR	19-07	05-15	10-16	29-22	11-02	30-23	02-14	26-14	29-21	22-21	04-16	14-03	NOV
	# OBS	741	691	738	719	738	712	740	738	718	739	702	736	8712
1993	MEAN	1.5	1.6	1.5	1.6	1.2	1.4	1.0	0.8	1.1	1.5	1.6	-	1.3
	MAXIMUM	4.4	4.0	5.8	3.7	3.1	4.3	2.2	1.7	3.7	3.9	3.7	-	5.8
	DAY-HR	24-16	15-22	12-20	24-12	06-04	19-16	06-09	23-16	14-08	30-16	09-14	-	MAR
	# OBS	738	671	727	716	731	718	743	740	718	744	715	-	7961
1994	MEAN	1.7	1.4	1.2	1.2	1.0	1.1	1.0	0.5	-	-	1.7	1.3	1.2
	MAXIMUM	3.2	3.2	3.3	3.3	2.2	2.1	2.0	1.7	-	-	3.5	3.0	3.5
	DAY-HR	21-16	13-18	02-11	06-13	15-03	15-07	14-12	02-14	-	-	27-20	11-08	NOV
	# OBS	285	652	740	720	730	705	661	304	-	-	314	383	5494
1995	MEAN	-	-	-	-	-	-	1.0	0.8	0.8	1.8	1.6	1.4	1.3
	MAXIMUM	-	-	-	-	-	-	2.2	2.4	3.8	4.5	4.0	3.5	4.5
	DAY-HR	-	-	-	-	-	-	30-19	12-12	22-18	30-23	11-16	09-16	OCT
	# OBS	-	-	-	-	-	-	246	707	694	740	713	744	3844
1996	MEAN	1.7	1.5	1.5	1.4	1.1	0.9	0.8	0.9	0.8	1.6	1.7	1.4	1.3
	MAXIMUM	5.2	3.6	4.7	3.5	2.0	2.6	1.9	2.5	3.0	5.5	4.0	3.5	5.5
	DAY-HR	19-02	29-18	07-15	06-07	27-11	25-01	08-20	24-09	28-08	06-12	17-01	22-13	OCT
	# OBS	738	690	744	736	736	717	838	788	714	733	692	739	8865
1997	MEAN	1.6	1.6	1.2	1.6	-	-	-	-	-	-	1.4	1.4	1.5
	MAXIMUM	4.0	3.7	3.3	4.2	-	-	-	-	-	-	3.0	3.8	4.2
	DAY-HR	13-18	24-04	06-15	05-08	-	-	-	-	-	-	10-17	08-04	APR
	# OBS	736	632	740	685	-	-	-	-	-	-	509	682	3984
1998	MEAN	1.0	1.6	1.8	1.4	0.9	1.4	0.9	0.7	1.5	1.5	1.3	1.5	1.3
	MAXIMUM	2.2	4.5	4.5	3.0	1.9	2.4	2.8	4.4	5.4	3.4	3.4	3.9	5.4
	DAY-HR	31-23	15-07	16-06	29-20	10-05	09-10	03-19	22-05	10-07	22-21	10-14	19-00	SEP
	# OBS	259	658	711	687	735	685	729	789	682	733	716	558	7942
1999	MEAN	-	1.2	1.5	1.4	1.2	1.1	0.9	0.7	1.0	1.2	1.0	1.9	1.2
	MAXIMUM	-	3.9	3.5	2.9	2.9	2.2	2.6	4.8	2.4	2.8	3.1	4.3	4.8
	DAY-HR	-	12-10	14-07	22-05	06-15	25-09	03-12	23-00	29-16	05-17	25-12	04-12	AUG
	# OBS	-	601	717	705	738	718	735	734	704	737	711	316	7416
2000	MEAN	-	-	-	-	-	0.8	0.7	0.8	1.1	1.5	1.7	1.7	1.2
	MAXIMUM	-	-	-	-	-	1.1	1.4	2.6	2.7	3.9	4.3	3.6	4.3
	DAY-HR	-	-	-	-	-	26-21	24-04	15-15	20-21	08-17	24-08	12-15	NOV
	# OBS	-	-	-	-	-	174	724	726	626	710	713	736	4409
2001	MEAN	1.5	1.4	1.3	1.6	1.1	1.1	0.8	0.9	1.1	1.3	1.3	1.4	1.2
	MAXIMUM	3.8	3.6	3.4	3.3	2.9	3.2	1.7	2.4	2.5	3.7	3.0	3.2	3.8
	DAY-HR	02-22	24-16	17-19	17-21	22-14	05-16	27-16	31-16	25-15	16-17	29-04	09-02	JAN
	# OBS	730	670	739	714	742	712	719	739	705	717	711	737	8635
POR	MEAN	1.5	1.4	1.4	1.4	1.1	1.1	0.9	0.8	1.0	1.4	1.5	1.5	1.3
	MAXIMUM	5.2	4.5	5.8	4.2	3.1	4.3	2.8	4.8	5.4	5.5	4.8	4.5	5.8
	YEAR	1996	1998	1993	1997	1993	1993	1998	1999	1998	1996	1990	1991	MAR/1993
	# OBS	4971	5936	6599	6400	6057	6101	6878	7417	6993	7334	7928	7117	79731

STATION: 42019

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

Month: JAN

	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		*	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.1	0.1	0.2	2.2	114

4 - 6	0.4	0.6	0.5	0.6	0.5	0.4	0.6	0.6	0.1	0.3	0.3	0.4	5.2	274
7 - 10	1.3	2.8	2.2	1.4	1.6	3.3	2.1	1.3	0.6	0.3	0.7	1.2	18.7	985
11 - 15	3.1	3.9	4.0	2.1	2.9	6.3	3.0	1.0	0.6	0.5	0.7	1.6	29.5	1555
16 - 20	4.1	5.4	3.0	2.8	2.6	5.0	2.5	0.3	0.2	0.4	0.9	2.2	29.3	1540
21 - 24	2.1	3.2	0.6	0.4	0.9	1.0	0.7	*	0.1	*	0.6	1.2	10.7	565
25 - 33	1.0	1.2	0.1	*	0.2	0.4	0.1	-	-	*	0.3	0.9	4.3	224
34 - 47	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	12.1	17.3	10.6	7.6	8.8	16.5	9.4	3.3	1.6	1.7	3.5	7.5	100.0
TOTAL N	0	635	912	557	401	463	870	493	176	85	90	185	397	5264

(* < 0.05%)

STATION: 42019

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

Month: FEB

	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	-	*	-	*	*	*	-	-	-	-	*	-	0.2	13
1 - 3		0.3	0.4	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.4	0.2	4.1	245
4 - 6		0.8	1.0	0.8	1.3	1.4	1.4	0.9	0.6	0.5	0.4	0.4	0.5	10.0	596
7 - 10		1.5	1.4	2.0	2.4	2.8	4.4	2.4	0.8	0.4	0.7	0.4	1.1	20.2	1200
11 - 15		1.8	3.6	3.3	4.1	4.7	6.5	3.5	0.9	0.4	0.5	0.8	1.3	31.3	1864
16 - 20		3.3	4.0	1.9	1.5	3.1	4.7	1.9	0.3	0.1	0.4	0.7	0.9	22.8	1356
21 - 24		2.6	1.6	0.5	0.2	0.7	2.0	0.4	*	*	0.1	0.2	0.5	8.7	518
25 - 33		1.2	0.4	0.1	0.1	0.1	0.1	0.1	-	*	-	0.1	0.5	2.6	155
34 - 47		*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	11.5	12.5	9.0	9.9	13.1	19.5	9.5	3.0	1.6	2.3	3.0	5.0	100.0	
TOTAL N	8	684	741	536	590	777	1157	567	179	94	137	179	299		5948

(* < 0.05%)

STATION: 42019

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

Month: MAR

	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	*	*	*	0.4	28
1 - 3		0.3	0.4	0.5	0.7	0.6	0.6	0.4	0.2	0.3	0.3	0.4	0.3	5.0	331
4 - 6		0.8	0.9	0.9	1.5	1.9	1.2	1.0	0.5	0.3	0.2	0.4	0.7	10.3	683
7 - 10		1.4	1.7	1.8	2.3	3.7	4.9	2.5	0.8	0.6	0.3	0.5	1.1	21.7	1431
11 - 15		2.4	2.6	3.1	3.3	5.9	7.1	3.0	1.2	0.5	0.3	0.6	1.8	31.7	2095
16 - 20		2.6	2.3	1.9	1.9	3.1	5.2	1.9	0.3	0.1	0.1	0.4	1.9	21.8	1438
21 - 24		1.0	0.5	0.7	0.5	0.8	1.1	0.2	*	-	*	0.2	1.2	6.3	416
25 - 33		0.5	0.2	0.1	0.1	0.2	0.2	*	-	-	*	0.2	1.1	2.6	174
34 - 47		0.1	*	-	-	*	*	-	-	-	-	-	*	0.2	13
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	9.2	8.7	9.1	10.2	16.2	20.3	9.0	3.1	1.9	1.4	2.7	8.1	100.0	
TOTAL N	9	607	578	599	674	1071	1341	592	207	123	91	180	537		6609

(* < 0.05%)

STATION: 42019

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	-	*	-	*	*	-	-	*	*	0.3	18
1 - 3		0.4	0.4	0.5	0.7	0.4	0.5	0.4	0.4	0.3	0.3	0.2	0.3	4.7	298
4 - 6		0.5	0.6	1.0	1.7	2.0	1.3	0.8	0.3	0.3	0.4	0.4	0.3	9.5	605
7 - 10		0.8	1.6	2.8	3.9	5.6	5.0	1.3	0.7	0.2	0.3	0.4	0.4	22.9	1464
11 - 15		1.6	2.4	4.2	3.7	7.5	9.7	2.9	0.3	0.1	0.2	*	0.3	32.9	2101
16 - 20		1.7	2.4	1.8	1.6	3.9	8.2	1.9	*	-	0.1	0.3	0.6	22.5	1437
21 - 24		0.8	1.5	0.5	0.2	0.6	1.2	0.4	-	-	0.1	0.2	0.4	5.9	379
25 - 33		0.3	0.3	*	0.1	0.2	0.2	0.1	-	-	-	*	0.1	1.3	81
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	6.1	9.1	10.9	11.8	20.1	26.2	7.8	1.8	0.9	1.3	1.5	2.3	100.0	
TOTAL N	6	391	581	698	751	1284	1675	498	112	57	86	98	146		6383

(* < 0.05%)

STATION: 42019

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	0.1	-	-	-	*	*	*	*	-	-	*	-	*	0.2	9
1 - 3		0.3	0.1	0.3	0.5	0.5	0.6	0.5	0.4	0.4	0.3	0.2	0.1	4.1	220
4 - 6		0.2	0.5	0.9	2.0	2.2	2.1	1.6	0.7	0.4	0.2	*	0.1	10.8	578
7 - 10		0.5	0.8	2.1	4.4	7.6	7.5	2.4	0.5	0.1	0.2	0.2	0.3	26.6	1421
11 - 15		0.3	1.5	2.8	3.7	14.0	14.4	3.1	0.1	0.2	0.2	0.2	0.3	41.0	2187
16 - 20		0.3	1.0	0.9	0.9	5.2	6.2	0.9	*	*	*	0.1	0.1	15.7	838
21 - 24		0.2	0.3	0.1	0.1	0.2	0.3	*	-	*	-	*	*	1.3	69
25 - 33		*	*	*	*	0.1	*	-	-	-	-	*	-	0.3	15
34 - 47		-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	1.8	4.3	7.1	11.7	29.9	31.1	8.5	1.7	1.1	1.0	0.8	1.0	100.0	
TOTAL N	3	98	230	381	625	1594	1660	453	92	58	51	42	51		5338

(* < 0.05%)

STATION: 42019

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	0.1	0.1	*	*	*	*	*	0.1	-	*	*	0.1	0.1	0.4	26
1 - 3		0.3	0.4	0.5	0.4	0.7	1.0	0.7	0.8	0.4	0.4	0.4	0.3	6.3	376
4 - 6		0.5	0.4	0.7	1.4	2.3	2.7	2.2	1.5	0.8	0.7	0.4	0.3	13.7	823
7 - 10		0.4	0.4	1.0	2.1	7.2	8.9	5.2	2.2	0.7	0.4	0.1	0.2	28.7	1720
11 - 15		0.2	0.3	0.9	2.1	8.1	15.9	5.6	1.3	0.3	0.3	0.3	0.3	35.6	2131
16 - 20		0.2	0.1	0.4	1.1	2.2	6.8	2.2	0.4	0.2	0.1	*	*	13.7	821
21 - 24		*	-	0.2	0.1	0.3	0.7	0.1	*	*	*	-	-	1.4	81
25 - 33		-	*	-	0.1	*	-	-	*	-	-	-	-	0.1	8
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	1.5	1.6	3.6	7.3	20.8	36.0	16.0	6.3	2.5	1.8	1.2	1.1	100.0	
TOTAL N	5	91	98	216	435	1247	2157	960	378	152	109	71	67		5986

(* < 0.05%)

STATION: 42019

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	-	*	0.1	*	*	-	*	0.1	*	*	*	-	0.4	25
1 - 3		0.5	0.5	0.7	0.8	1.2	1.6	1.1	1.1	0.5	0.5	0.3	0.3	9.2	515
4 - 6		0.2	0.4	1.0	1.4	3.0	3.8	3.1	1.4	0.8	0.5	0.3	0.4	16.3	916
7 - 10		0.2	0.2	1.1	2.8	6.0	11.6	10.9	2.8	0.7	0.2	0.1	0.3	36.9	2076
11 - 15		0.3	0.2	0.3	1.2	4.1	11.3	11.3	1.7	0.3	0.1	0.1	0.1	31.1	1751
16 - 20		0.2	0.1	0.2	0.2	0.9	2.0	2.1	0.1	*	*	*	*	5.9	330
21 - 24		*	-	-	*	-	0.1	*	*	*	-	-	-	0.2	13
25 - 33		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	1.5	1.5	3.3	6.5	15.3	30.4	28.5	7.2	2.5	1.3	0.8	1.1	100.0	
TOTAL N	7	82	82	186	367	861	1708	1604	405	140	75	46	63		5626

(* < 0.05%)

STATION: 42019

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

Month: AUG

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	0.2	*	0.1	*	0.1	*	*	*	0.1	*	*	-	-	0.5	41
1 - 3		0.5	0.6	1.0	1.4	1.3	1.3	1.1	1.1	0.7	0.6	0.5	0.4	10.4	803
4 - 6		0.8	0.8	1.8	2.8	3.1	3.6	3.3	1.8	1.1	1.0	0.8	0.7	21.5	1664
7 - 10		0.5	1.1	2.8	5.1	7.4	8.9	6.2	2.7	0.9	0.6	0.5	0.5	37.1	2867
11 - 15		*	0.8	2.1	3.7	5.0	6.0	6.1	1.2	0.3	0.3	0.2	0.1	25.7	1990
16 - 20		0.1	0.1	0.3	1.2	0.7	0.8	0.6	0.2	*	-	*	-	4.2	322
21 - 24		*	*	0.1	*	0.1	0.1	*	-	-	-	-	-	0.4	31
25 - 33		*	-	0.1	*	*	-	-	*	-	-	-	*	0.2	13
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	1.8	3.4	8.4	14.4	17.6	20.7	17.4	7.0	3.0	2.5	2.0	1.6	100.0	
TOTAL N	12	143	264	646	1111	1364	1601	1345	541	231	190	156	127		7731

(* < 0.05%)

STATION: 42019

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

Month: SEP

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
		WIND DIRECTION													
0	0.2	*	0.1	0.1	0.1	*	*	*	*	*	*	-	*	0.6	45
1 - 3		0.6	0.7	0.8	0.8	1.1	1.1	1.0	0.6	0.4	0.3	0.4	0.4	8.2	646
4 - 6		0.9	1.1	1.6	1.9	2.3	2.7	2.0	0.6	0.6	0.5	0.4	0.7	15.2	1195
7 - 10		1.1	2.2	3.6	5.6	6.0	5.9	2.9	1.0	0.7	0.4	0.5	0.5	30.4	2388
11 - 15		1.0	4.5	5.6	5.2	4.0	5.2	3.4	1.1	0.3	0.2	0.1	0.4	31.1	2441
16 - 20		0.9	3.2	2.1	1.0	0.5	1.1	1.5	0.3	0.1	*	-	0.1	10.8	845
21 - 24		0.4	1.0	0.3	0.2	0.1	0.2	0.4	0.1	-	-	-	*	2.8	218
25 - 33		0.1	0.2	0.3	0.1	*	0.1	*	0.1	-	-	-	-	0.9	69
34 - 47		-	-	*	-	-	-	-	-	-	-	-	-	0.0	2
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	5.0	12.9	14.4	14.9	14.2	16.3	11.1	4.0	2.1	1.5	1.4	2.1	100.0	
TOTAL N	15	391	1015	1130	1167	1111	1280	873	315	163	115	106	168		7849

(* < 0.05%)

STATION: 42019

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

Month: OCT

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
		WIND DIRECTION													
0	0.0	-	-	*	*	*	*	-	-	*	*	-	-	0.1	10
1 - 3		0.1	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	2.6	204
4 - 6		0.4	0.6	1.1	1.7	1.1	0.8	0.6	0.4	0.3	0.1	0.2	0.4	7.7	598
7 - 10		1.4	2.5	4.3	4.6	5.2	3.8	2.5	0.9	0.4	0.1	0.4	0.7	26.6	2072
11 - 15		2.0	4.1	6.8	4.3	6.0	7.8	2.6	0.5	0.3	0.1	0.2	0.3	35.0	2720
16 - 20		2.2	3.8	3.2	1.7	2.2	4.8	1.5	0.1	0.1	0.1	0.1	0.3	20.2	1573
21 - 24		1.1	1.8	1.1	0.3	0.3	0.3	0.1	*	-	-	-	0.2	5.2	402
25 - 33		0.7	0.9	0.6	0.1	*	-	-	-	-	-	*	0.3	2.6	200
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	7.9	14.0	17.5	13.1	15.2	17.6	7.5	2.1	1.2	0.6	1.1	2.3	100.0	
TOTAL N	2	613	1092	1358	1020	1181	1368	580	161	93	43	87	181		7779

(* < 0.05%)

STATION: 42019

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

Month: NOV

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
		WIND DIRECTION													
0	0.1	*	-	*	-	*	*	*	-	0.1	*	-	*	0.2	15
1 - 3		0.2	0.2	0.2	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.2	2.8	219
4 - 6		0.5	0.6	0.9	1.2	1.2	1.0	0.8	0.4	0.1	0.2	0.2	0.4	7.4	587
7 - 10		1.1	1.7	3.0	3.9	3.2	2.7	1.5	0.7	0.4	0.2	0.6	0.7	19.5	1547
11 - 15		2.0	3.5	3.5	4.1	4.7	6.8	3.1	1.0	0.2	0.1	0.6	0.8	30.4	2407
16 - 20		3.2	4.3	2.6	1.6	4.0	7.7	2.4	0.5	*	0.1	0.4	1.2	28.2	2230
21 - 24		2.0	1.7	0.6	0.2	0.4	2.0	0.7	0.1	*	*	0.6	0.9	9.2	727
25 - 33		0.7	0.8	0.1	-	*	0.2	0.2	-	-	*	0.3	0.2	2.4	189
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	9.7	12.8	10.9	11.5	13.9	20.7	8.8	2.9	0.9	0.7	2.8	4.5	100.0	
TOTAL N	4	766	1010	865	912	1099	1638	701	227	72	52	220	355		7921

(* < 0.05%)

STATION: 42019

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

Month: DEC

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
		WIND DIRECTION													
0	0.0	*	*	-	*	*	-	-	*	-	-	-	-	0.1	6
1 - 3		0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.2	2.6	196
4 - 6		0.5	0.5	0.8	0.6	0.6	1.2	0.7	0.4	0.4	0.2	0.2	0.5	6.6	488
7 - 10		1.3	1.6	1.9	1.7	2.6	3.6	2.5	0.9	0.4	0.3	0.4	1.0	18.1	1344
11 - 15		2.3	3.4	3.0	2.3	5.1	8.1	4.7	1.0	0.4	0.4	0.6	1.6	32.7	2428
16 - 20		3.1	3.4	2.1	1.2	3.6	5.7	2.3	0.1	0.2	0.3	1.4	3.1	26.6	1969
21 - 24		2.3	1.8	0.6	0.1	0.5	1.6	0.8	*	*	0.1	0.6	1.8	10.3	767
25 - 33		1.0	0.4	*	-	-	0.6	0.2	*	-	-	0.2	0.6	2.9	217
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	10.7	11.4	8.7	6.2	12.6	21.0	11.4	2.6	1.6	1.3	3.5	8.9	100.0	

TOTAL N	0	794	845	648	460	932	1560	846	196	121	93	260	660	7415

(* < 0.05%)

STATION: 42019

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

All Months: Annual

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	241
1 - 3		0.3	0.4	0.5	0.6	0.6	0.7	0.5	0.5	0.3	0.3	0.3	0.3	5.2	4167
4 - 6		0.6	0.7	1.0	1.5	1.8	1.9	1.4	0.8	0.5	0.4	0.4	0.4	11.3	9007
7 - 10		1.0	1.5	2.5	3.5	4.9	5.8	3.4	1.3	0.5	0.3	0.4	0.7	25.7	20515
11 - 15		1.4	2.7	3.4	3.4	5.9	8.5	4.3	1.0	0.3	0.3	0.4	0.7	32.1	25670
16 - 20		1.8	2.6	1.7	1.4	2.6	4.8	1.8	0.2	0.1	0.1	0.4	0.9	18.4	14699
21 - 24		1.1	1.1	0.5	0.2	0.4	0.9	0.3	*	*	*	0.2	0.5	5.2	4186
25 - 33		0.5	0.4	0.1	*	0.1	0.2	0.1	*	*	*	0.1	0.3	1.7	1345
34 - 47		*	*	*	*	*	*	-	-	-	-	-	*	0.0	19
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	6.6	9.3	9.8	10.7	16.3	22.6	11.9	3.7	1.7	1.4	2.0	3.8	100.0	
TOTAL N	71	5295	7448	7820	8513	12984	18015	9512	2989	1389	1132	1630	3051		79849

(* < 0.05%)

STATION: 42019

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

Months: DEC, JAN, FEB (Winter)

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	24
1 - 3		0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	3.0	555
4 - 6		0.6	0.7	0.7	0.8	0.8	1.1	0.7	0.5	0.3	0.3	0.3	0.5	7.3	1358
7 - 10		1.4	1.9	2.0	1.9	2.4	3.8	2.3	1.0	0.5	0.4	0.5	1.1	18.9	3529
11 - 15		2.3	3.6	3.3	2.8	4.3	7.1	3.9	1.0	0.4	0.4	0.7	1.5	31.4	5847
16 - 20		3.5	4.2	2.3	1.7	3.2	5.2	2.2	0.2	0.2	0.3	1.0	2.1	26.1	4865
21 - 24		2.3	2.2	0.6	0.2	0.7	1.5	0.6	*	*	0.1	0.5	1.2	9.9	1850
25 - 33		1.0	0.6	0.1	*	0.1	0.4	0.2	*	*	*	0.2	0.6	3.2	596
34 - 47		*	-	-	-	-	-	-	-	-	-	-	-	0.0	3
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.0	11.3	13.4	9.3	7.8	11.7	19.3	10.2	3.0	1.6	1.7	3.3	7.3	100.0	
TOTAL N	8	2113	2498	1741	1451	2172	3587	1906	551	300	320	624	1356		18627

(* < 0.05%)

STATION: 42019

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

Months: MAR, APR, MAY (Spring)

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	55
1 - 3		0.3	0.3	0.4	0.6	0.5	0.6	0.4	0.3	0.3	0.3	0.2	0.3	4.6	849
4 - 6		0.5	0.7	1.0	1.7	2.0	1.5	1.1	0.5	0.3	0.3	0.3	0.4	10.2	1866
7 - 10		0.9	1.4	2.2	3.5	5.5	5.7	2.0	0.7	0.3	0.3	0.4	0.6	23.5	4316
11 - 15		1.5	2.2	3.4	3.5	8.8	10.1	3.0	0.6	0.3	0.2	0.3	0.8	34.8	6383
16 - 20		1.6	2.0	1.6	1.5	4.0	6.6	1.6	0.1	*	0.1	0.3	0.9	20.3	3713
21 - 24		0.7	0.8	0.5	0.3	0.5	0.9	0.2	*	*	*	0.2	0.6	4.7	864
25 - 33		0.3	0.2	*	0.1	0.2	0.2	*	-	-	*	0.1	0.4	1.5	270
34 - 47		*	*	-	*	*	*	-	-	-	-	-	*	0.1	14
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	6.0	7.6	9.2	11.2	21.5	25.5	8.4	2.2	1.3	1.2	1.7	4.0	100.0	
TOTAL N	18	1096	1389	1678	2050	3949	4676	1543	411	238	228	320	734		18330

(* < 0.05%)

STATION: 42019

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

Months: JUN, JUL, AUG (Summer)

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	*	*	*	*	*	*	*	*	*	*	*	*	0.5	92
1 - 3		0.4	0.5	0.7	0.9	1.1	1.3	1.0	1.0	0.6	0.5	0.4	0.3	8.8	1694
4 - 6		0.5	0.5	1.2	1.9	2.8	3.4	2.9	1.6	0.9	0.7	0.5	0.5	17.6	3403
7 - 10		0.4	0.6	1.8	3.5	6.9	9.7	7.3	2.6	0.8	0.4	0.3	0.3	34.4	6663
11 - 15		0.2	0.5	1.2	2.5	5.7	10.6	7.5	1.4	0.3	0.3	0.2	0.1	30.4	5872
16 - 20		0.1	0.1	0.3	0.9	1.2	3.0	1.6	0.2	0.1	*	*	*	7.6	1473
21 - 24		*	*	0.1	0.1	0.1	0.3	0.1	*	*	*	-	-	0.6	125
25 - 33		*	*	*	*	*	-	-	*	-	-	-	*	0.1	21
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0

TOTAL %	0.1	1.6	2.3	5.4	9.9	17.9	28.3	20.2	6.8	2.7	1.9	1.4	1.3	100.0	
TOTAL N	24	316	444	1048	1913	3472	5466	3909	1324	523	374	273	257		19343

(* < 0.05%)

STATION: 42019

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

Months: SEP, OCT, NOV (Autumn)

	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	70
1 - 3		0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.2	0.3	4.5	1069
4 - 6		0.6	0.7	1.2	1.6	1.5	1.5	1.1	0.5	0.3	0.3	0.3	0.5	10.1	2380
7 - 10		1.2	2.1	3.6	4.7	4.8	4.1	2.3	0.9	0.5	0.3	0.5	0.6	25.5	6007
11 - 15		1.7	4.1	5.3	4.5	4.9	6.6	3.0	0.9	0.3	0.1	0.3	0.5	32.1	7568
16 - 20		2.1	3.8	2.6	1.4	2.3	4.5	1.8	0.3	0.1	0.1	0.2	0.5	19.7	4648
21 - 24		1.2	1.5	0.7	0.2	0.3	0.8	0.4	0.1	*	*	0.2	0.4	5.7	1347
25 - 33		0.5	0.6	0.3	0.1	*	0.1	0.1	*	-	*	0.1	0.2	1.9	458
34 - 47		-	-	*	-	-	-	-	-	-	-	-	-	0.0	2
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	7.5	13.2	14.2	13.2	14.4	18.2	9.1	3.0	1.4	0.9	1.8	3.0	100.0	
TOTAL N	21	1770	3117	3353	3099	3391	4286	2154	703	328	210	413	704		23549

(* < 0.05%)

STATION: 42019

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

Month: JAN

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
1 - 3	0.3	1.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	2.2	107
4 - 6	0.8	3.3	0.7	*	-	-	-	-	-	-	-	-	-	-	-	4.8	238
7 - 10	1.7	14.4	2.4	0.1	*	-	-	-	-	-	-	-	-	-	-	18.6	925
11 - 15	0.2	18.6	9.5	0.4	*	-	-	-	-	-	-	-	-	-	-	28.8	1430
16 - 20	*	7.1	18.2	2.9	0.1	*	-	-	-	-	-	-	-	-	-	28.3	1409
21 - 24	-	0.5	4.9	3.8	0.4	-	-	-	-	-	-	-	-	-	-	9.5	474
25 - 33	-	*	0.7	2.1	1.2	0.1	-	-	-	-	-	-	-	-	-	4.1	203
34 - 47	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.0	2
> 48	0.3	2.9	0.4	-	-	-	-	-	-	-	-	-	-	-	-	3.6	178
TOTAL %	3.3	48.5	36.9	9.3	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	162	2413	1836	463	93	4	0	0	0	0	0	0	0	0	0		4971

(* < 0.05%)

STATION: 42019

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

Month: FEB

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	11
1 - 3	1.0	2.8	0.3	*	-	-	-	-	-	-	-	-	-	-	-	4.1	245
4 - 6	1.3	7.6	1.1	0.1	-	-	-	-	-	-	-	-	-	-	-	10.0	594
7 - 10	1.4	16.0	2.6	0.2	-	-	-	-	-	-	-	-	-	-	-	20.1	1195
11 - 15	0.3	22.3	8.4	0.4	0.1	-	-	-	-	-	-	-	-	-	-	31.4	1864
16 - 20	-	6.0	14.3	2.4	0.1	-	-	-	-	-	-	-	-	-	-	22.8	1354
21 - 24	-	0.3	4.2	3.8	0.4	-	-	-	-	-	-	-	-	-	-	8.7	515
25 - 33	-	0.1	0.5	1.6	0.4	*	-	-	-	-	-	-	-	-	-	2.6	155
34 - 47	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	4.0	55.1	31.4	8.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	239	3273	1864	500	59	1	0	0	0	0	0	0	0	0	0		5936

(* < 0.05%)

STATION: 42019

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

Month: MAR

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	*	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.4	28
1 - 3	0.6	3.1	0.9	0.2	0.1	-	-	-	-	-	-	-	-	-	-	5.0	329
4 - 6	1.0	7.5	1.5	0.2	*	-	-	-	-	-	-	-	-	-	-	10.3	682
7 - 10	1.7	15.9	3.7	0.3	0.1	-	-	-	-	-	-	-	-	-	-	21.7	1429

11 - 15	0.3	22.0	8.6	0.7	*	*	-	-	-	-	-	-	-	-	-	31.7	2093
16 - 20	*	6.1	13.2	2.2	0.1	*	-	-	-	-	-	-	-	-	-	21.7	1433
21 - 24	-	0.3	2.8	2.7	0.5	*	-	-	-	-	-	-	-	-	-	6.3	416
25 - 33	-	0.1	0.5	1.5	0.4	0.2	*	-	-	-	-	-	-	-	-	2.6	174
34 - 47	-	-	*	-	*	0.1	*	-	-	-	-	-	-	-	-	0.2	13
> 48	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	3.7	55.3	31.5	7.8	1.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	247	3650	2078	517	81	22	4	0	0	0	0	0	0	0	0		6599

(* < 0.05%)

STATION: 42019

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

Month: APR

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	*	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3	18
1 - 3	0.5	3.1	1.0	0.1	-	-	-	-	-	-	-	-	-	-	-	4.7	298
4 - 6	1.0	6.6	1.7	0.2	-	-	-	-	-	-	-	-	-	-	-	9.4	604
7 - 10	1.3	16.8	4.5	0.3	-	-	-	-	-	-	-	-	-	-	-	22.8	1462
11 - 15	0.2	20.5	11.6	0.5	-	-	-	-	-	-	-	-	-	-	-	32.8	2097
16 - 20	-	5.4	15.0	1.9	-	-	-	-	-	-	-	-	-	-	-	22.3	1430
21 - 24	-	0.4	3.7	1.8	*	-	-	-	-	-	-	-	-	-	-	5.9	377
25 - 33	-	*	0.4	0.6	0.2	-	-	-	-	-	-	-	-	-	-	1.3	81
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	0.1	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	0.5	33
TOTAL %	3.1	53.0	38.2	5.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	198	3393	2442	354	13	0	0	0	0	0	0	0	0	0	0		6400

(* < 0.05%)

STATION: 42019

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

Month: MAY

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	8
1 - 3	0.2	2.7	0.6	-	-	-	-	-	-	-	-	-	-	-	-	3.6	218
4 - 6	0.8	8.0	0.7	-	-	-	-	-	-	-	-	-	-	-	-	9.5	576
7 - 10	1.1	20.1	2.3	-	-	-	-	-	-	-	-	-	-	-	-	23.4	1419
11 - 15	0.1	28.4	7.4	*	-	-	-	-	-	-	-	-	-	-	-	35.9	2176
16 - 20	*	4.7	8.8	0.3	-	-	-	-	-	-	-	-	-	-	-	13.8	835
21 - 24	-	0.1	0.9	0.1	-	-	-	-	-	-	-	-	-	-	-	1.1	69
25 - 33	-	*	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	15
34 - 47	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	0.8	10.1	1.3	-	-	-	-	-	-	-	-	-	-	-	-	12.2	740
TOTAL %	3.1	74.2	22.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	189	4496	1335	37	0	0	0	0	0	0	0	0	0	0	0		6057

(* < 0.05%)

STATION: 42019

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

Month: JUN

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	0.1	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	26
1 - 3	1.4	4.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	6.2	376
4 - 6	2.4	10.6	0.5	*	-	-	-	-	-	-	-	-	-	-	-	13.5	822
7 - 10	2.4	23.8	1.6	0.1	-	-	-	-	-	-	-	-	-	-	-	28.0	1709
11 - 15	0.3	24.7	9.4	0.3	-	-	-	-	-	-	-	-	-	-	-	34.7	2116
16 - 20	*	4.5	8.3	0.5	*	-	-	-	-	-	-	-	-	-	-	13.3	814
21 - 24	-	0.1	0.6	0.4	0.2	-	-	-	-	-	-	-	-	-	-	1.3	81
25 - 33	-	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	8
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	2.1	0.4	-	-	-	-	-	-	-	-	-	-	-	-	2.4	149
TOTAL %	6.6	70.7	21.1	1.4	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	405	4311	1286	86	13	0	0	0	0	0	0	0	0	0	0		6101

(* < 0.05%)

STATION: 42019

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

Month: JUL

WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
	WAVE HEIGHT																
0	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	25
1 - 3	2.8	4.6	*	-	-	-	-	-	-	-	-	-	-	-	-	7.4	507
4 - 6	3.0	9.6	0.4	-	-	-	-	-	-	-	-	-	-	-	-	13.0	893
7 - 10	3.2	25.9	0.8	-	-	-	-	-	-	-	-	-	-	-	-	29.9	2058
11 - 15	0.5	21.2	3.7	*	-	-	-	-	-	-	-	-	-	-	-	25.4	1745
16 - 20	*	1.7	2.8	0.2	-	-	-	-	-	-	-	-	-	-	-	4.7	325
21 - 24	-	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.2	13
25 - 33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.4	17.1	1.6	0.1	-	-	-	-	-	-	-	-	-	-	-	19.1	1312
TOTAL %	10.1	80.2	9.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	693	5517	649	19	0	0	0	0	0	0	0	0	0	0	0		6878

(* < 0.05%)

STATION: 42019

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

Month: AUG

WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
	WAVE HEIGHT																
0	0.3	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	40
1 - 3	5.2	4.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	10.3	761
4 - 6	8.1	12.7	0.3	-	-	-	-	-	-	-	-	-	-	-	-	21.0	1561
7 - 10	7.5	27.9	0.9	-	-	-	-	-	-	-	-	-	-	-	-	36.3	2690
11 - 15	1.4	20.3	3.0	0.1	-	-	-	-	-	-	-	-	-	-	-	24.8	1842
16 - 20	0.1	1.7	2.0	0.3	0.1	*	-	-	-	-	-	-	-	-	-	4.2	313
21 - 24	*	*	0.2	*	0.1	*	-	-	-	-	-	-	-	-	-	0.4	29
25 - 33	*	*	-	0.1	*	-	-	-	-	-	-	-	-	-	-	0.2	13
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.4	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	168
TOTAL %	23.1	69.7	6.5	0.4	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	1711	5171	481	33	18	3	0	0	0	0	0	0	0	0	0		7417

(* < 0.05%)

STATION: 42019

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

Month: SEP

WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
	WAVE HEIGHT																
0	0.3	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	33
1 - 3	3.7	4.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	8.0	561
4 - 6	4.9	9.8	0.5	-	*	-	-	-	-	-	-	-	-	-	-	15.3	1069
7 - 10	4.2	24.6	1.4	*	-	-	-	-	-	-	-	-	-	-	-	30.3	2117
11 - 15	0.4	23.3	7.1	0.1	*	-	-	-	-	-	-	-	-	-	-	31.0	2171
16 - 20	*	3.3	6.7	0.9	0.1	-	-	-	-	-	-	-	-	-	-	11.1	773
21 - 24	-	0.1	1.2	1.3	0.2	*	-	-	-	-	-	-	-	-	-	2.9	202
25 - 33	-	*	0.1	0.3	0.3	0.1	-	-	-	-	-	-	-	-	-	0.9	64
34 - 47	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.0	2
> 48	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	13.6	65.4	17.5	2.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	953	4575	1221	182	49	13	0	0	0	0	0	0	0	0	0		6993

(* < 0.05%)

STATION: 42019

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

Month: OCT

WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
	WAVE HEIGHT																
0	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	6
1 - 3	0.3	1.8	0.2	-	-	-	-	-	-	-	-	-	-	-	-	2.4	175
4 - 6	1.0	5.6	0.4	*	-	-	-	-	-	-	-	-	-	-	-	7.1	518
7 - 10	1.4	21.6	1.8	0.1	-	-	-	-	-	-	-	-	-	-	-	24.9	1823
11 - 15	0.1	21.4	11.9	0.7	-	-	-	-	-	-	-	-	-	-	-	34.0	2496
16 - 20	-	3.5	12.4	2.7	*	-	-	-	-	-	-	-	-	-	-	18.7	1371
21 - 24	-	0.2	2.0	2.6	0.5	-	-	-	-	-	-	-	-	-	-	5.2	385
25 - 33	-	*	0.2	1.2	1.1	0.2	*	-	-	-	-	-	-	-	-	2.7	200
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.2	3.1	0.8	0.6	0.1	-	-	-	-	-	-	-	-	-	-	4.9	360

TOTAL %	3.0	57.3	29.9	7.9	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	219	4200	2191	581	126	16	1	0	0	0	0	0	0	0	0		7334

(* < 0.05%)

STATION: 42019

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

Month: NOV

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	*	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.2	14
1 - 3	0.8	1.6	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	2.7	216
4 - 6	1.8	4.8	0.3	0.2	*	-	-	-	-	-	-	-	-	-	-	7.0	558
7 - 10	2.4	14.3	1.3	0.2	*	-	-	-	-	-	-	-	-	-	-	18.2	1446
11 - 15	0.1	18.6	8.6	0.7	0.1	-	-	-	-	-	-	-	-	-	-	28.1	2229
16 - 20	*	5.7	18.5	2.4	0.2	-	-	-	-	-	-	-	-	-	-	26.8	2123
21 - 24	-	0.2	4.3	4.1	0.2	-	-	-	-	-	-	-	-	-	-	8.9	709
25 - 33	-	*	0.4	1.4	0.5	0.1	-	-	-	-	-	-	-	-	-	2.4	189
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	-	1.4	3.4	0.6	0.2	-	-	-	-	-	-	-	-	-	-	5.6	444
TOTAL %	5.2	46.7	37.1	9.7	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	416	3702	2940	771	95	4	0	0	0	0	0	0	0	0	0		7928

(* < 0.05%)

STATION: 42019

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

Month: DEC

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	6
1 - 3	0.5	2.0	0.1	*	-	-	-	-	-	-	-	-	-	-	-	2.6	182
4 - 6	0.9	5.0	0.5	*	-	-	-	-	-	-	-	-	-	-	-	6.4	453
7 - 10	1.0	14.6	1.8	0.1	-	-	-	-	-	-	-	-	-	-	-	17.5	1242
11 - 15	0.2	20.8	8.3	0.4	-	-	-	-	-	-	-	-	-	-	-	29.8	2118
16 - 20	-	7.0	15.1	2.4	0.1	-	-	-	-	-	-	-	-	-	-	24.5	1747
21 - 24	-	0.4	4.4	4.3	0.7	-	-	-	-	-	-	-	-	-	-	9.8	701
25 - 33	-	*	0.5	1.8	0.4	-	-	-	-	-	-	-	-	-	-	2.8	199
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.3	2.3	2.4	1.1	0.4	*	-	-	-	-	-	-	-	-	-	6.6	469
TOTAL %	2.9	52.2	33.1	10.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	206	3715	2357	726	112	1	0	0	0	0	0	0	0	0	0		7117

(* < 0.05%)

STATION: 42019

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

All Months: Annual

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	0.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	0.3	220
1 - 3	1.5	3.1	0.3	*	*	-	-	-	-	-	-	-	-	-	-	5.0	3975
4 - 6	2.3	7.6	0.7	0.1	*	-	-	-	-	-	-	-	-	-	-	10.7	8568
7 - 10	2.5	19.8	2.0	0.1	*	-	-	-	-	-	-	-	-	-	-	24.5	19515
11 - 15	0.4	21.8	8.1	0.4	*	*	-	-	-	-	-	-	-	-	-	30.6	24377
16 - 20	*	4.6	11.1	1.6	0.1	*	-	-	-	-	-	-	-	-	-	17.5	13927
21 - 24	*	0.2	2.4	2.1	0.3	*	-	-	-	-	-	-	-	-	-	5.0	3971
25 - 33	*	*	0.3	0.9	0.4	0.1	*	-	-	-	-	-	-	-	-	1.6	1301
34 - 47	-	-	*	*	*	*	*	-	-	-	-	-	-	-	-	0.0	19
> 48	0.2	3.4	0.9	0.2	0.1	*	-	-	-	-	-	-	-	-	-	4.8	3858
TOTAL %	7.1	60.7	25.9	5.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	5638	48416	20680	4269	659	64	5	0	0	0	0	0	0	0	0		79731

(* < 0.05%)

STATION: 42019

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

Months: DEC, JAN, FEB (Winter)

	WAVE HEIGHT																
WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	22
1 - 3	0.6	2.1	0.2	*	-	-	-	-	-	-	-	-	-	-	-	3.0	534
4 - 6	1.0	5.4	0.7	*	-	-	-	-	-	-	-	-	-	-	-	7.1	1285

7 - 10	1.3	15.0	2.2	0.1	*	-	-	-	-	-	-	-	-	-	-	18.7	3362
11 - 15	0.2	20.7	8.7	0.4	*	-	-	-	-	-	-	-	-	-	-	30.0	5412
16 - 20	*	6.7	15.7	2.5	0.1	*	-	-	-	-	-	-	-	-	-	25.0	4510
21 - 24	-	0.4	4.5	4.0	0.5	-	-	-	-	-	-	-	-	-	-	9.4	1690
25 - 33	-	*	0.6	1.8	0.6	*	-	-	-	-	-	-	-	-	-	3.1	557
34 - 47	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	0.0	3
> 48	0.2	1.7	1.1	0.4	0.2	*	-	-	-	-	-	-	-	-	-	3.6	649
TOTAL %	3.4	52.2	33.6	9.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	607	9401	6057	1689	264	6	0	0	0	0	0	0	0	0	0		18024

(* < 0.05%)

STATION: 42019

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

Months: MAR, APR, MAY (Spring)

WAVE HEIGHT

WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	*	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3	54
1 - 3	0.5	3.0	0.9	0.1	*	-	-	-	-	-	-	-	-	-	-	4.4	845
4 - 6	1.0	7.4	1.3	0.1	*	-	-	-	-	-	-	-	-	-	-	9.8	1862
7 - 10	1.4	17.5	3.5	0.2	*	-	-	-	-	-	-	-	-	-	-	22.6	4310
11 - 15	0.2	23.5	9.2	0.4	*	*	-	-	-	-	-	-	-	-	-	33.4	6366
16 - 20	*	5.4	12.4	1.5	*	*	-	-	-	-	-	-	-	-	-	19.4	3698
21 - 24	-	0.3	2.5	1.6	0.2	*	-	-	-	-	-	-	-	-	-	4.5	862
25 - 33	-	*	0.4	0.8	0.2	0.1	*	-	-	-	-	-	-	-	-	1.4	270
34 - 47	-	-	*	*	*	*	*	-	-	-	-	-	-	-	-	0.1	14
> 48	0.3	3.3	0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	4.1	775
TOTAL %	3.3	60.6	30.7	4.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	634	11539	5855	908	94	22	4	0	0	0	0	0	0	0	0		19056

(* < 0.05%)

STATION: 42019

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

Months: JUN, JUL, AUG (Summer)

WAVE HEIGHT

WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	91
1 - 3	3.3	4.7	0.1	-	-	-	-	-	-	-	-	-	-	-	-	8.1	1644
4 - 6	4.7	11.0	0.4	*	-	-	-	-	-	-	-	-	-	-	-	16.1	3276
7 - 10	4.5	26.0	1.1	*	-	-	-	-	-	-	-	-	-	-	-	31.7	6457
11 - 15	0.8	21.9	5.2	0.1	-	-	-	-	-	-	-	-	-	-	-	28.0	5703
16 - 20	0.1	2.5	4.2	0.3	0.1	*	-	-	-	-	-	-	-	-	-	7.1	1452
21 - 24	*	0.1	0.3	0.1	0.1	*	-	-	-	-	-	-	-	-	-	0.6	123
25 - 33	*	*	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	21
34 - 47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48	0.3	7.0	0.6	*	-	-	-	-	-	-	-	-	-	-	-	8.0	1629
TOTAL %	13.8	73.5	11.8	0.7	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	2809	14999	2416	138	31	3	0	0	0	0	0	0	0	0	0		20396

(* < 0.05%)

STATION: 42019

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

Months: SEP, OCT, NOV (Autumn)

WAVE HEIGHT

WIND SPEED	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
0	0.1	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.2	53
1 - 3	1.6	2.5	0.2	*	-	-	-	-	-	-	-	-	-	-	-	4.3	952
4 - 6	2.5	6.6	0.4	0.1	*	-	-	-	-	-	-	-	-	-	-	9.6	2145
7 - 10	2.6	19.9	1.5	0.1	*	-	-	-	-	-	-	-	-	-	-	24.2	5386
11 - 15	0.2	21.0	9.2	0.5	*	-	-	-	-	-	-	-	-	-	-	31.0	6896
16 - 20	*	4.2	12.8	2.0	0.1	-	-	-	-	-	-	-	-	-	-	19.2	4267
21 - 24	-	0.2	2.6	2.7	0.3	*	-	-	-	-	-	-	-	-	-	5.8	1296
25 - 33	-	*	0.2	1.0	0.6	0.1	*	-	-	-	-	-	-	-	-	2.0	453
34 - 47	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	0.0	2
> 48	0.1	1.5	1.5	0.4	0.1	-	-	-	-	-	-	-	-	-	-	3.6	805
TOTAL %	7.1	56.1	28.5	6.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1588	12477	6352	1534	270	33	1	0	0	0	0	0	0	0	0		22255

(* < 0.05%)

STATION: 42019

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

Month: JAN

WAVE HEIGHT

WAVE PERIOD	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4	TOT %	TOT N
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	79
3.5 - 4.4	1.0	6.4	*	-	-	-	-	-	-	-	-	-	-	-	-	7.4	370
4.5 - 5.4	0.4	11.7	2.0	-	-	-	-	-	-	-	-	-	-	-	-	14.1	699
5.5 - 6.4	0.7	14.4	14.9	0.3	-	-	-	-	-	-	-	-	-	-	-	30.3	1508
6.5 - 7.4	0.3	10.3	13.3	3.1	0.2	-	-	-	-	-	-	-	-	-	-	27.2	1352
7.5 - 8.4	0.2	4.3	5.7	4.8	1.1	0.1	-	-	-	-	-	-	-	-	-	16.2	805
8.5 - 9.4	-	0.3	0.9	0.8	0.4	-	-	-	-	-	-	-	-	-	-	2.4	118
9.5 - 10.4	-	0.2	0.1	0.3	0.2	*	-	-	-	-	-	-	-	-	-	0.8	39
TOTAL %	3.3	48.5	36.9	9.3	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	162	2413	1836	463	93	4	0	0	0	0	0	0	0	0	0		4971

(* < 0.05%)

STATION: 42019

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

Month: FEB

WAVE HEIGHT

WAVE PERIOD	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4	TOT %	TOT N
< 0.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	41
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.3	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	108
3.5 - 4.4	0.3	5.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	5.5	326
4.5 - 5.4	0.4	13.6	1.8	*	-	-	-	-	-	-	-	-	-	-	-	15.9	941
5.5 - 6.4	0.3	17.9	12.2	0.3	-	-	-	-	-	-	-	-	-	-	-	30.8	1827
6.5 - 7.4	0.7	10.8	10.5	3.1	*	-	-	-	-	-	-	-	-	-	-	25.1	1490
7.5 - 8.4	0.3	5.7	5.3	3.5	0.6	*	-	-	-	-	-	-	-	-	-	15.4	914
8.5 - 9.4	*	0.8	0.7	1.1	0.2	-	-	-	-	-	-	-	-	-	-	2.9	174
9.5 - 10.4	-	0.8	0.6	0.4	0.1	-	-	-	-	-	-	-	-	-	-	1.9	111
10.5 - 11.4	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.1	4
TOTAL %	4.0	55.1	31.4	8.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	239	3273	1864	500	59	1	0	0	0	0	0	0	0	0	0		5936

(* < 0.05%)

STATION: 42019

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

Month: MAR

WAVE HEIGHT

WAVE PERIOD	0.0- 0.4	0.5- 1.4	1.5- 2.4	2.5- 3.4	3.5- 4.4	4.5- 5.4	5.5- 6.4	6.5- 7.4	7.5- 8.4	8.5- 9.4	9.5- 10.4	10.5- 11.4	11.5- 12.4	12.5- 13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.5	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	159
3.5 - 4.4	0.8	6.5	*	-	-	-	-	-	-	-	-	-	-	-	-	7.3	484
4.5 - 5.4	0.7	14.1	1.5	*	-	-	-	-	-	-	-	-	-	-	-	16.3	1076
5.5 - 6.4	0.1	16.3	8.5	0.4	-	-	-	-	-	-	-	-	-	-	-	25.3	1671
6.5 - 7.4	0.2	9.3	10.0	3.0	0.1	*	-	-	-	-	-	-	-	-	-	22.5	1488
7.5 - 8.4	0.4	7.0	8.0	3.1	0.4	0.1	*	-	-	-	-	-	-	-	-	19.1	1260
8.5 - 9.4	0.1	1.1	2.3	0.9	0.3	0.2	*	-	-	-	-	-	-	-	-	4.9	324
9.5 - 10.4	-	*	1.0	0.4	0.4	-	-	-	-	-	-	-	-	-	-	1.9	126
10.5 - 11.4	-	*	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	9
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	3.7	55.3	31.5	7.8	1.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	247	3650	2078	517	81	22	4	0	0	0	0	0	0	0	0		6599

(* < 0.05%)

STATION: 42019

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

Month: APR

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-

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	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	73
3.5 - 4.4	0.5	5.1	*	-	-	-	-	-	-	-	-	-	-	-	-	5.6	359
4.5 - 5.4	0.6	11.5	1.3	-	-	-	-	-	-	-	-	-	-	-	-	13.4	855
5.5 - 6.4	1.3	16.6	7.8	0.2	-	-	-	-	-	-	-	-	-	-	-	25.9	1656
6.5 - 7.4	0.2	12.0	13.7	1.4	-	-	-	-	-	-	-	-	-	-	-	27.3	1746
7.5 - 8.4	*	6.7	13.0	3.3	0.1	-	-	-	-	-	-	-	-	-	-	23.2	1483
8.5 - 9.4	-	0.4	2.1	0.5	0.1	-	-	-	-	-	-	-	-	-	-	3.1	201
9.5 - 10.4	-	*	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	0.4	27
TOTAL %	3.1	53.0	38.2	5.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	198	3393	2442	354	13	0	0	0	0	0	0	0	0	0	0		6400

(* < 0.05%)

STATION: 42019

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

Month: MAY

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.2	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	76
3.5 - 4.4	0.6	6.3	*	-	-	-	-	-	-	-	-	-	-	-	-	6.9	420
4.5 - 5.4	1.2	19.2	0.8	-	-	-	-	-	-	-	-	-	-	-	-	21.1	1280
5.5 - 6.4	0.8	24.8	5.7	0.1	-	-	-	-	-	-	-	-	-	-	-	31.4	1900
6.5 - 7.4	0.3	16.6	10.5	0.2	-	-	-	-	-	-	-	-	-	-	-	27.7	1676
7.5 - 8.4	*	5.7	4.5	0.1	-	-	-	-	-	-	-	-	-	-	-	10.4	627
8.5 - 9.4	-	0.6	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	1.1	66
9.5 - 10.4	-	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	0.1	6
10.5 - 11.4	-	-	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	6
TOTAL %	3.1	74.2	22.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	189	4496	1335	37	0	0	0	0	0	0	0	0	0	0	0		6057

(* < 0.05%)

STATION: 42019

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

Month: JUN

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.8	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	129
3.5 - 4.4	1.9	6.8	*	-	-	-	-	-	-	-	-	-	-	-	-	8.7	530
4.5 - 5.4	1.4	18.7	0.6	-	-	-	-	-	-	-	-	-	-	-	-	20.7	1263
5.5 - 6.4	1.6	29.4	3.9	*	-	-	-	-	-	-	-	-	-	-	-	35.0	2136
6.5 - 7.4	0.1	11.4	9.7	*	-	-	-	-	-	-	-	-	-	-	-	21.2	1295
7.5 - 8.4	0.4	2.6	6.4	0.8	*	-	-	-	-	-	-	-	-	-	-	10.2	624
8.5 - 9.4	0.4	0.3	0.4	0.4	0.1	-	-	-	-	-	-	-	-	-	-	1.6	96
9.5 - 10.4	-	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.3	17
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	3
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	6.6	70.7	21.1	1.4	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	405	4311	1286	86	13	0	0	0	0	0	0	0	0	0	0		6101

(* < 0.05%)

STATION: 42019

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

Month: JUL

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.1	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	167
3.5 - 4.4	3.1	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	12.3	849
4.5 - 5.4	2.8	28.6	0.1	-	-	-	-	-	-	-	-	-	-	-	-	31.5	2165
5.5 - 6.4	1.9	28.6	1.7	-	-	-	-	-	-	-	-	-	-	-	-	32.2	2218
6.5 - 7.4	0.4	9.8	5.1	-	-	-	-	-	-	-	-	-	-	-	-	15.2	1047
7.5 - 8.4	0.3	2.3	2.4	0.2	-	-	-	-	-	-	-	-	-	-	-	5.2	355
8.5 - 9.4	0.3	0.3	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	0.8	55
9.5 - 10.4	0.2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	12
10.5 - 11.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	4
TOTAL %	10.1	80.2	9.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	693	5517	649	19	0	0	0	0	0	0	0	0	0	0	0		6878

(* < 0.05%)

STATION: 42019

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

Month: AUG

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	163
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	3.7	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	401
3.5 - 4.4	6.2	10.7	-	-	-	-	-	-	-	-	-	-	-	-	-	16.9	1251
4.5 - 5.4	7.0	23.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	30.9	2289
5.5 - 6.4	3.1	23.8	0.7	-	-	-	-	-	-	-	-	-	-	-	-	27.7	2051
6.5 - 7.4	0.7	6.6	1.8	*	-	-	-	-	-	-	-	-	-	-	-	9.1	677
7.5 - 8.4	0.2	2.0	3.0	0.2	-	-	-	-	-	-	-	-	-	-	-	5.3	396
8.5 - 9.4	-	0.3	0.5	0.2	0.1	-	-	-	-	-	-	-	-	-	-	1.2	87
9.5 - 10.4	-	0.3	0.3	*	0.1	*	-	-	-	-	-	-	-	-	-	0.7	52
10.5 - 11.4	-	0.1	*	*	0.1	*	-	-	-	-	-	-	-	-	-	0.3	22
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	4
13.5 - 14.4	*	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	7
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	4
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	8
TOTAL %	23.1	69.7	6.5	0.4	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	1711	5171	481	33	18	3	0	0	0	0	0	0	0	0	0		7417

(* < 0.05%)

STATION: 42019

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

Month: SEP

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	33
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.4	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	176
3.5 - 4.4	4.6	8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	13.1	916
4.5 - 5.4	4.6	19.9	0.4	-	-	-	-	-	-	-	-	-	-	-	-	24.9	1740

5.5 - 6.4	1.9	22.0	4.1	0.1	-	-	-	-	-	-	-	-	-	-	-	28.1	1964
6.5 - 7.4	0.6	9.5	7.9	0.7	*	-	-	-	-	-	-	-	-	-	-	18.8	1312
7.5 - 8.4	*	3.2	3.7	1.5	0.2	-	-	-	-	-	-	-	-	-	-	8.5	595
8.5 - 9.4	-	0.5	0.5	0.2	0.1	*	-	-	-	-	-	-	-	-	-	1.4	97
9.5 - 10.4	-	0.5	0.7	0.1	0.4	0.1	-	-	-	-	-	-	-	-	-	1.8	127
10.5 - 11.4	-	0.1	0.2	-	*	-	-	-	-	-	-	-	-	-	-	0.3	22
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	5
13.5 - 14.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	4
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	13.6	65.4	17.5	2.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	953	4575	1221	182	49	13	0	0	0	0	0	0	0	0	0		6993

(* < 0.05%)

STATION: 42019

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

Month: OCT

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.3	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	94
3.5 - 4.4	0.8	5.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	6.7	493
4.5 - 5.4	0.9	12.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	14.6	1072
5.5 - 6.4	0.6	17.2	6.6	0.2	-	-	-	-	-	-	-	-	-	-	-	24.6	1803
6.5 - 7.4	0.3	10.0	7.9	1.7	0.1	-	-	-	-	-	-	-	-	-	-	19.9	1460
7.5 - 8.4	0.1	8.7	9.3	3.4	1.0	*	-	-	-	-	-	-	-	-	-	22.5	1652
8.5 - 9.4	-	1.1	3.1	1.0	0.4	0.1	-	-	-	-	-	-	-	-	-	5.7	415
9.5 - 10.4	-	0.5	1.6	1.0	0.2	0.1	*	-	-	-	-	-	-	-	-	3.4	253
10.5 - 11.4	-	0.2	0.2	0.6	0.1	*	-	-	-	-	-	-	-	-	-	1.1	80
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	*	0.1	*	-	-	-	-	-	-	-	-	-	-	0.1	11
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	3.0	57.3	29.9	7.9	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	219	4200	2191	581	126	16	1	0	0	0	0	0	0	0	0		7334

(* < 0.05%)

STATION: 42019

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

Month: NOV

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
2.5 - 3.4	1.1	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	166
3.5 - 4.4	0.9	5.4	*	-	-	-	-	-	-	-	-	-	-	-	-	6.4	506
4.5 - 5.4	0.8	12.4	1.5	-	-	-	-	-	-	-	-	-	-	-	-	14.7	1168
5.5 - 6.4	0.9	12.1	12.9	0.6	-	-	-	-	-	-	-	-	-	-	-	26.3	2089
6.5 - 7.4	0.8	7.2	13.8	3.5	*	-	-	-	-	-	-	-	-	-	-	25.2	1998
7.5 - 8.4	0.7	6.8	6.5	4.7	0.8	*	-	-	-	-	-	-	-	-	-	19.6	1550
8.5 - 9.4	-	1.6	1.6	0.4	0.1	*	-	-	-	-	-	-	-	-	-	3.8	301
9.5 - 10.4	-	0.1	0.7	0.2	*	-	-	-	-	-	-	-	-	-	-	1.0	80
10.5 - 11.4	-	-	0.1	0.3	0.2	-	-	-	-	-	-	-	-	-	-	0.6	51
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	*	-	*	*	-	-	-	-	-	-	-	-	-	-	0.1	6
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	0.1	*	-	-	-	-	-	-	-	-	-	-	-	-	0.1	6
TOTAL %	5.2	46.7	37.1	9.7	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	416	3702	2940	771	95	4	0	0	0	0	0	0	0	0	0		7928

(* < 0.05%)

STATION: 42019

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

Month: DEC

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	84
3.5 - 4.4	1.1	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	8.5	606
4.5 - 5.4	0.4	14.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	17.2	1222
5.5 - 6.4	0.6	15.3	13.3	0.5	-	-	-	-	-	-	-	-	-	-	-	29.7	2114
6.5 - 7.4	0.3	10.0	11.8	4.1	*	-	-	-	-	-	-	-	-	-	-	26.2	1863
7.5 - 8.4	*	3.5	4.9	4.5	0.8	-	-	-	-	-	-	-	-	-	-	13.7	976
8.5 - 9.4	-	0.8	0.4	0.7	0.6	*	-	-	-	-	-	-	-	-	-	2.6	182
9.5 - 10.4	-	*	0.2	0.3	0.1	-	-	-	-	-	-	-	-	-	-	0.7	50
10.5 - 11.4	-	-	*	0.2	-	-	-	-	-	-	-	-	-	-	-	0.3	19
TOTAL %	2.9	52.2	33.1	10.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	206	3715	2357	726	112	1	0	0	0	0	0	0	0	0	0		7117

(* < 0.05%)

STATION: 42019

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

All Months: Annual

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	240
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
2.5 - 3.4	1.1	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	1712
3.5 - 4.4	1.9	7.0	*	-	-	-	-	-	-	-	-	-	-	-	-	8.9	7110
4.5 - 5.4	1.8	16.8	1.1	*	-	-	-	-	-	-	-	-	-	-	-	19.8	15770
5.5 - 6.4	1.2	19.8	7.5	0.2	-	-	-	-	-	-	-	-	-	-	-	28.8	22937
6.5 - 7.4	0.4	10.1	9.5	1.7	*	*	-	-	-	-	-	-	-	-	-	21.8	17404
7.5 - 8.4	0.2	4.9	6.0	2.5	0.4	*	*	-	-	-	-	-	-	-	-	14.1	11237
8.5 - 9.4	0.1	0.7	1.1	0.5	0.2	*	*	-	-	-	-	-	-	-	-	2.7	2116
9.5 - 10.4	*	0.2	0.5	0.3	0.1	*	*	-	-	-	-	-	-	-	-	1.1	900
10.5 - 11.4	*	*	0.1	0.1	*	*	-	-	-	-	-	-	-	-	-	0.3	214
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	0.0	28
13.5 - 14.4	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	17
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	14
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	16
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	15
TOTAL %	7.1	60.7	25.9	5.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	5638	48416	20680	4269	659	64	5	0	0	0	0	0	0	0	0		79731

(* < 0.05%)

STATION: 42019

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

Months: DEC, JAN, FEB (Winter)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	43
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.8	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	271
3.5 - 4.4	0.8	6.4	*	-	-	-	-	-	-	-	-	-	-	-	-	7.2	1302
4.5 - 5.4	0.4	13.4	2.1	*	-	-	-	-	-	-	-	-	-	-	-	15.9	2862
5.5 - 6.4	0.5	15.9	13.4	0.4	-	-	-	-	-	-	-	-	-	-	-	30.2	5449
6.5 - 7.4	0.4	10.3	11.8	3.5	0.1	-	-	-	-	-	-	-	-	-	-	26.1	4705
7.5 - 8.4	0.2	4.4	5.3	4.2	0.8	*	-	-	-	-	-	-	-	-	-	15.0	2695
8.5 - 9.4	*	0.7	0.7	0.9	0.4	*	-	-	-	-	-	-	-	-	-	2.6	474
9.5 - 10.4	-	0.3	0.3	0.3	0.2	*	-	-	-	-	-	-	-	-	-	1.1	200
10.5 - 11.4	-	*	*	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	23

TOTAL %	3.4	52.2	33.6	9.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	607	9401	6057	1689	264	6	0	0	0	0	0	0	0	0	0		18024

(* < 0.05%)

STATION: 42019

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

Months: MAR, APR, MAY (Spring)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	308
3.5 - 4.4	0.6	6.0	*	-	-	-	-	-	-	-	-	-	-	-	-	6.6	1263
4.5 - 5.4	0.8	14.8	1.2	*	-	-	-	-	-	-	-	-	-	-	-	16.9	3211
5.5 - 6.4	0.7	19.1	7.3	0.2	-	-	-	-	-	-	-	-	-	-	-	27.4	5227
6.5 - 7.4	0.2	12.5	11.4	1.6	*	*	-	-	-	-	-	-	-	-	-	25.8	4910
7.5 - 8.4	0.2	6.5	8.6	2.2	0.2	*	*	-	-	-	-	-	-	-	-	17.7	3370
8.5 - 9.4	*	0.7	1.6	0.5	0.2	0.1	*	-	-	-	-	-	-	-	-	3.1	591
9.5 - 10.4	-	*	0.5	0.2	0.1	-	-	-	-	-	-	-	-	-	-	0.8	159
10.5 - 11.4	-	*	*	*	*	-	-	-	-	-	-	-	-	-	-	0.1	15
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	3.3	60.6	30.7	4.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	634	11539	5855	908	94	22	4	0	0	0	0	0	0	0	0		19056

(* < 0.05%)

STATION: 42019

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

Months: JUN, JUL, AUG (Summer)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	163
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.0	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	697
3.5 - 4.4	3.8	9.1	*	-	-	-	-	-	-	-	-	-	-	-	-	12.9	2630
4.5 - 5.4	3.9	23.9	0.3	-	-	-	-	-	-	-	-	-	-	-	-	28.0	5717
5.5 - 6.4	2.3	27.1	2.0	*	-	-	-	-	-	-	-	-	-	-	-	31.4	6405
6.5 - 7.4	0.4	9.1	5.3	*	-	-	-	-	-	-	-	-	-	-	-	14.8	3019
7.5 - 8.4	0.3	2.3	3.8	0.4	*	-	-	-	-	-	-	-	-	-	-	6.7	1375
8.5 - 9.4	0.2	0.3	0.3	0.2	0.1	-	-	-	-	-	-	-	-	-	-	1.2	238
9.5 - 10.4	0.1	0.1	0.1	*	0.1	*	-	-	-	-	-	-	-	-	-	0.4	81
10.5 - 11.4	*	0.1	*	*	*	*	-	-	-	-	-	-	-	-	-	0.1	23
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	6
13.5 - 14.4	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	10
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	10
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	*	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	13
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	9
TOTAL %	13.8	73.5	11.8	0.7	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	2809	14999	2416	138	31	3	0	0	0	0	0	0	0	0	0		20396

(* < 0.05%)

STATION: 42019

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

Months: SEP, OCT, NOV (Autumn)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	34

0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
2.5 - 3.4	0.9	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	436
3.5 - 4.4	2.0	6.6	*	-	-	-	-	-	-	-	-	-	-	-	-	8.6	1915
4.5 - 5.4	2.0	14.9	1.0	-	-	-	-	-	-	-	-	-	-	-	-	17.9	3980
5.5 - 6.4	1.1	16.9	8.0	0.3	-	-	-	-	-	-	-	-	-	-	-	26.3	5856
6.5 - 7.4	0.6	8.8	10.0	2.0	*	-	-	-	-	-	-	-	-	-	-	21.4	4770
7.5 - 8.4	0.3	6.3	6.6	3.2	0.7	*	-	-	-	-	-	-	-	-	-	17.1	3797
8.5 - 9.4	-	1.1	1.7	0.6	0.2	*	-	-	-	-	-	-	-	-	-	3.7	813
9.5 - 10.4	-	0.4	1.0	0.5	0.2	0.1	*	-	-	-	-	-	-	-	-	2.1	460
10.5 - 11.4	-	0.1	0.2	0.3	0.1	*	-	-	-	-	-	-	-	-	-	0.7	153
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	0.1	22
13.5 - 14.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	6
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	4
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	6
TOTAL %	7.1	56.1	28.5	6.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1588	12477	6352	1534	270	33	1	0	0	0	0	0	0	0	0		22255

(* < 0.05%)

STATION: 42019

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

Month: JAN

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.6	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	56
3.5 - 4.4	2.2	20.0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	22.7	1127
4.5 - 5.4	0.4	25.7	28.8	0.4	-	-	-	-	-	-	-	-	-	-	-	55.4	2756
5.5 - 6.4	-	2.1	7.1	8.4	0.8	-	-	-	-	-	-	-	-	-	-	18.4	914
6.5 - 7.4	-	0.2	0.3	0.5	1.0	0.1	-	-	-	-	-	-	-	-	-	2.0	101
7.5 - 8.4	-	-	0.2	-	0.1	-	-	-	-	-	-	-	-	-	-	0.3	16
TOTAL %	3.3	48.5	36.9	9.3	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	162	2413	1836	463	93	4	0	0	0	0	0	0	0	0	0		4971

(* < 0.05%)

STATION: 42019

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

Month: FEB

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	41
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	89
3.5 - 4.4	1.5	20.7	0.3	-	-	-	-	-	-	-	-	-	-	-	-	22.5	1334
4.5 - 5.4	0.7	29.9	22.7	0.6	-	-	-	-	-	-	-	-	-	-	-	54.0	3203
5.5 - 6.4	0.1	3.7	7.5	6.9	0.4	-	-	-	-	-	-	-	-	-	-	18.7	1109
6.5 - 7.4	-	0.3	0.5	0.8	0.6	*	-	-	-	-	-	-	-	-	-	2.2	132
7.5 - 8.4	-	*	0.4	*	*	-	-	-	-	-	-	-	-	-	-	0.4	26
8.5 - 9.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	4.0	55.1	31.4	8.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	239	3273	1864	500	59	1	0	0	0	0	0	0	0	0	0		5936

(* < 0.05%)

STATION: 42019

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

Month: MAR

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

0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.2	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	138
3.5 - 4.4	2.2	22.7	0.3	-	-	-	-	-	-	-	-	-	-	-	-	25.2	1662
4.5 - 5.4	0.4	25.5	17.9	0.5	-	-	-	-	-	-	-	-	-	-	-	44.2	2919
5.5 - 6.4	-	6.0	11.2	6.5	0.2	*	-	-	-	-	-	-	-	-	-	23.9	1578
6.5 - 7.4	-	0.1	1.8	0.6	0.9	0.3	0.1	-	-	-	-	-	-	-	-	3.8	251
7.5 - 8.4	-	-	0.3	0.3	0.1	*	-	-	-	-	-	-	-	-	-	0.8	51
TOTAL %	3.7	55.3	31.5	7.8	1.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	247	3650	2078	517	81	22	4	0	0	0	0	0	0	0	0		6599

(* < 0.05%)

STATION: 42019

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

Month: APR

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.4	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	46
3.5 - 4.4	1.7	20.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-	22.3	1425
4.5 - 5.4	1.0	28.5	22.0	0.2	-	-	-	-	-	-	-	-	-	-	-	51.6	3304
5.5 - 6.4	-	3.5	14.4	4.7	0.1	-	-	-	-	-	-	-	-	-	-	22.7	1450
6.5 - 7.4	-	0.5	1.5	0.7	0.1	-	-	-	-	-	-	-	-	-	-	2.7	173
7.5 - 8.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	3.1	53.0	38.2	5.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	198	3393	2442	354	13	0	0	0	0	0	0	0	0	0	0		6400

(* < 0.05%)

STATION: 42019

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

Month: MAY

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.2	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	81
3.5 - 4.4	2.1	32.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	35.2	2133
4.5 - 5.4	0.8	37.4	16.4	0.2	-	-	-	-	-	-	-	-	-	-	-	54.7	3316
5.5 - 6.4	-	2.9	4.8	0.4	-	-	-	-	-	-	-	-	-	-	-	8.1	489
6.5 - 7.4	-	0.4	0.2	*	-	-	-	-	-	-	-	-	-	-	-	0.6	38
TOTAL %	3.1	74.2	22.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	189	4496	1335	37	0	0	0	0	0	0	0	0	0	0	0		6057

(* < 0.05%)

STATION: 42019

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

Month: JUN

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.4	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	87
3.5 - 4.4	4.7	35.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-	41.3	2517
4.5 - 5.4	1.5	30.8	14.4	*	-	-	-	-	-	-	-	-	-	-	-	46.7	2852
5.5 - 6.4	-	2.9	5.5	1.2	0.1	-	-	-	-	-	-	-	-	-	-	9.7	590
6.5 - 7.4	-	0.2	0.4	0.2	0.1	-	-	-	-	-	-	-	-	-	-	0.9	54
7.5 - 8.4	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	6.6	70.7	21.1	1.4	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	405	4311	1286	86	13	0	0	0	0	0	0	0	0	0	0		6101

(* < 0.05%)

STATION: 42019

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

Month: JUL

WAVE HEIGHT

WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.2	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	151
3.5 - 4.4	6.6	47.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	54.3	3737
4.5 - 5.4	1.9	28.7	6.2	-	-	-	-	-	-	-	-	-	-	-	-	36.8	2533
5.5 - 6.4	0.3	3.0	3.0	0.3	-	-	-	-	-	-	-	-	-	-	-	6.6	455
6.5 - 7.4	-	*	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	10.1	80.2	9.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	693	5517	649	19	0	0	0	0	0	0	0	0	0	0	0		6878

(* < 0.05%)

STATION: 42019

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

Month: AUG

WAVE HEIGHT

WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	163
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	3.8	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	422
3.5 - 4.4	14.3	42.0	0.1	-	-	-	-	-	-	-	-	-	-	-	-	56.4	4183
4.5 - 5.4	2.7	23.4	2.5	-	-	-	-	-	-	-	-	-	-	-	-	28.6	2121
5.5 - 6.4	*	2.3	3.4	0.3	*	-	-	-	-	-	-	-	-	-	-	6.1	450
6.5 - 7.4	-	0.1	0.5	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.8	61
7.5 - 8.4	-	*	0.1	-	0.1	*	-	-	-	-	-	-	-	-	-	0.2	16
8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	23.1	69.7	6.5	0.4	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	1711	5171	481	33	18	3	0	0	0	0	0	0	0	0	0		7417

(* < 0.05%)

STATION: 42019

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

Month: SEP

WAVE HEIGHT

WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	33
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	2.1	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	213
3.5 - 4.4	10.0	38.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-	48.6	3398
4.5 - 5.4	1.1	23.5	12.5	0.3	-	-	-	-	-	-	-	-	-	-	-	37.3	2610
5.5 - 6.4	*	2.4	4.2	2.1	0.1	-	-	-	-	-	-	-	-	-	-	8.9	619
6.5 - 7.4	-	0.3	0.3	0.2	0.6	0.2	-	-	-	-	-	-	-	-	-	1.5	104
7.5 - 8.4	-	-	0.2	-	-	*	-	-	-	-	-	-	-	-	-	0.2	15
8.5 - 9.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	13.6	65.4	17.5	2.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	953	4575	1221	182	49	13	0	0	0	0	0	0	0	0	0		6993

(* < 0.05%)

STATION: 42019

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

Month: OCT

WAVE HEIGHT

WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	58
3.5 - 4.4	2.8	25.1	0.5	-	-	-	-	-	-	-	-	-	-	-	-	28.4	2084
4.5 - 5.4	0.1	27.3	17.7	0.4	-	-	-	-	-	-	-	-	-	-	-	45.6	3341
5.5 - 6.4	-	3.6	10.6	5.6	0.7	-	-	-	-	-	-	-	-	-	-	20.5	1507
6.5 - 7.4	-	0.5	1.0	1.7	1.0	0.2	-	-	-	-	-	-	-	-	-	4.3	316
7.5 - 8.4	-	*	0.1	0.2	*	-	*	-	-	-	-	-	-	-	-	0.4	28

TOTAL %	3.0	57.3	29.9	7.9	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	219	4200	2191	581	126	16	1	0	0	0	0	0	0	0	0		7334

(* < 0.05%)

STATION: 42019

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

Month: NOV

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	133
3.5 - 4.4	3.0	21.7	0.6	-	-	-	-	-	-	-	-	-	-	-	-	25.3	2007
4.5 - 5.4	1.1	21.7	28.2	0.9	-	-	-	-	-	-	-	-	-	-	-	51.9	4114
5.5 - 6.4	*	1.9	7.7	7.8	0.5	-	-	-	-	-	-	-	-	-	-	18.0	1426
6.5 - 7.4	0.1	0.7	0.5	0.7	0.5	0.1	-	-	-	-	-	-	-	-	-	2.5	196
7.5 - 8.4	-	0.1	0.1	0.3	0.2	-	-	-	-	-	-	-	-	-	-	0.6	50
8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	5.2	46.7	37.1	9.7	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	416	3702	2940	771	95	4	0	0	0	0	0	0	0	0	0		7928

(* < 0.05%)

STATION: 42019

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

Month: DEC

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	56
3.5 - 4.4	1.9	24.4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	26.8	1905
4.5 - 5.4	0.5	24.2	25.8	0.5	-	-	-	-	-	-	-	-	-	-	-	51.0	3630
5.5 - 6.4	-	2.7	6.6	8.7	0.4	-	-	-	-	-	-	-	-	-	-	18.4	1311
6.5 - 7.4	-	0.6	0.3	0.8	1.2	*	-	-	-	-	-	-	-	-	-	2.9	204
7.5 - 8.4	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	10
TOTAL %	2.9	52.2	33.1	10.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	206	3715	2357	726	112	1	0	0	0	0	0	0	0	0	0		7117

(* < 0.05%)

STATION: 42019

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

All Months: Annual

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	240
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.1	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	1530
3.5 - 4.4	4.6	29.5	0.4	-	-	-	-	-	-	-	-	-	-	-	-	34.5	27512
4.5 - 5.4	1.0	27.0	17.7	0.3	-	-	-	-	-	-	-	-	-	-	-	46.0	36699
5.5 - 6.4	*	3.1	7.1	4.4	0.3	*	-	-	-	-	-	-	-	-	-	14.9	11898
6.5 - 7.4	*	0.3	0.6	0.5	0.5	0.1	*	-	-	-	-	-	-	-	-	2.0	1632
7.5 - 8.4	*	*	0.1	0.1	*	*	*	-	-	-	-	-	-	-	-	0.3	215
8.5 - 9.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	3
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	7.1	60.7	25.9	5.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	5638	48416	20680	4269	659	64	5	0	0	0	0	0	0	0	0		79731

(* < 0.05%)

STATION: 42019

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

Months: DEC, JAN, FEB (Winter)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	43
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.7	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	201
3.5 - 4.4	1.9	21.9	0.4	-	-	-	-	-	-	-	-	-	-	-	-	24.2	4366
4.5 - 5.4	0.6	26.5	25.6	0.5	-	-	-	-	-	-	-	-	-	-	-	53.2	9589
5.5 - 6.4	*	2.9	7.0	8.0	0.5	-	-	-	-	-	-	-	-	-	-	18.5	3334
6.5 - 7.4	-	0.4	0.4	0.7	0.9	*	-	-	-	-	-	-	-	-	-	2.4	437
7.5 - 8.4	-	*	0.2	0.1	*	-	-	-	-	-	-	-	-	-	-	0.3	52
8.5 - 9.4	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	3.4	52.2	33.6	9.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	607	9401	6057	1689	264	6	0	0	0	0	0	0	0	0	0		18024

(* < 0.05%)

STATION: 42019

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

Months: MAR, APR, MAY (Spring)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.6	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	265
3.5 - 4.4	2.0	25.0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	27.4	5220
4.5 - 5.4	0.7	30.3	18.8	0.3	-	-	-	-	-	-	-	-	-	-	-	50.1	9539
5.5 - 6.4	-	4.2	10.2	3.9	0.1	*	-	-	-	-	-	-	-	-	-	18.5	3517
6.5 - 7.4	-	0.3	1.2	0.4	0.3	0.1	*	-	-	-	-	-	-	-	-	2.4	462
7.5 - 8.4	-	-	0.1	0.1	*	*	-	-	-	-	-	-	-	-	-	0.3	53
TOTAL %	3.3	60.6	30.7	4.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	634	11539	5855	908	94	22	4	0	0	0	0	0	0	0	0		19056

(* < 0.05%)

STATION: 42019

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

Months: JUN, JUL, AUG (Summer)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	163
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.9	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	660
3.5 - 4.4	8.8	42.0	0.3	-	-	-	-	-	-	-	-	-	-	-	-	51.2	10437
4.5 - 5.4	2.1	27.4	7.3	*	-	-	-	-	-	-	-	-	-	-	-	36.8	7506
5.5 - 6.4	0.1	2.7	3.9	0.6	0.1	-	-	-	-	-	-	-	-	-	-	7.3	1495
6.5 - 7.4	-	0.1	0.3	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.6	117
7.5 - 8.4	*	*	*	-	*	*	-	-	-	-	-	-	-	-	-	0.1	17
8.5 - 9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	13.8	73.5	11.8	0.7	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	2809	14999	2416	138	31	3	0	0	0	0	0	0	0	0	0		20396

(* < 0.05%)

STATION: 42019

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

Months: SEP, OCT, NOV (Autumn)

	WAVE HEIGHT																
WAVE PERIOD	0.0-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	8.5-9.4	9.5-10.4	10.5-11.4	11.5-12.4	12.5-13.4	>13.4	TOT %	TOT N
< 0.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	34
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	1.1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	404
3.5 - 4.4	5.1	28.0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	33.7	7489
4.5 - 5.4	0.7	24.1	19.8	0.6	-	-	-	-	-	-	-	-	-	-	-	45.2	10065
5.5 - 6.4	*	2.6	7.6	5.3	0.5	-	-	-	-	-	-	-	-	-	-	16.0	3552
6.5 - 7.4	*	0.5	0.6	0.8	0.7	0.1	-	-	-	-	-	-	-	-	-	2.8	616
7.5 - 8.4	-	*	0.1	0.2	0.1	*	*	-	-	-	-	-	-	-	-	0.4	93
8.5 - 9.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1

9.5 - 10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	7.1	56.1	28.5	6.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
TOTAL N	1588	12477	6352	1534	270	33	1	0	0	0	0	0	0	0	0		22255

(* < 0.05%)

STATION: 42019

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	0.1	0.1	-	0.1	-	0.1	-	-	1.0	10
3.5 - 4.4	-	1.1	3.2	1.3	1.3	1.1	0.7	0.3	0.8	0.5	0.2	0.1	10.7	106
4.5 - 5.4	1.4	3.3	3.0	3.5	3.2	1.9	2.3	-	0.8	0.3	0.2	1.7	21.8	216
5.5 - 6.4	1.4	3.7	4.3	5.9	4.8	6.6	2.9	0.2	-	-	0.3	1.2	31.3	310
6.5 - 7.4	0.1	0.6	3.7	1.9	4.4	2.3	2.2	0.2	-	-	0.2	0.9	16.7	165
7.5 - 8.4	-	-	0.4	5.8	7.2	2.0	1.1	-	-	-	-	-	16.5	163
8.5 - 9.4	-	-	-	0.4	1.3	0.1	0.1	-	-	-	-	-	1.9	19
TOTAL %	2.9	8.8	15.1	19.1	22.3	14.2	9.4	0.8	1.6	0.9	0.9	3.9	100.0	
TOTAL N	29	87	149	189	221	140	93	8	16	9	9	39		989

(* < 0.05%)

STATION: 42019

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	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.1	-	-	0.1	0.1	0.1	-	0.1	0.1	-	-	-	0.5	9
3.5 - 4.4	0.8	0.6	0.9	0.6	0.5	1.3	0.5	0.3	-	-	0.1	0.1	5.7	109
4.5 - 5.4	1.5	1.5	2.6	1.9	2.9	6.0	1.7	-	-	0.3	0.3	0.3	18.9	365
5.5 - 6.4	0.3	2.0	4.4	3.2	3.9	6.8	4.3	0.8	0.2	0.3	0.3	0.6	27.1	522
6.5 - 7.4	0.3	1.0	2.4	4.8	3.8	4.1	1.8	-	-	-	-	-	18.3	353
7.5 - 8.4	0.1	1.0	0.5	5.0	7.9	2.6	2.3	-	-	-	-	-	19.4	374
8.5 - 9.4	-	-	0.1	1.2	1.9	1.1	0.1	-	-	-	-	-	4.5	86
9.5 - 10.4	-	-	-	1.9	3.0	0.6	-	-	-	-	-	-	5.5	106
10.5 - 11.4	-	-	-	0.1	0.2	-	-	-	-	-	-	-	0.2	4
TOTAL %	3.1	6.1	10.8	18.8	24.2	22.7	10.7	1.2	0.2	0.5	0.7	1.0	100.0	
TOTAL N	60	117	209	362	467	438	207	23	4	10	13	19		1929

(* < 0.05%)

STATION: 42019

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

Month: MAR

	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	0.4	0.6	0.2	0.6	0.1	0.5	0.1	0.2	-	*	0.4	3.1	67
3.5 - 4.4	0.8	1.0	1.1	0.6	0.7	0.2	0.7	0.2	-	0.2	0.1	1.2	6.9	150
4.5 - 5.4	2.1	3.2	2.9	0.7	1.2	1.6	1.3	*	-	0.4	-	1.2	14.7	318
5.5 - 6.4	2.3	2.4	3.3	2.1	3.4	3.4	3.6	0.1	-	0.3	0.2	1.6	22.8	493
6.5 - 7.4	0.2	0.5	1.3	3.4	7.3	4.9	2.2	*	-	-	0.7	1.3	21.8	472
7.5 - 8.4	*	0.2	0.2	3.9	10.5	6.3	0.6	-	-	-	*	0.1	22.0	477
8.5 - 9.4	-	-	-	2.7	3.5	0.1	*	-	-	-	-	-	6.4	138
9.5 - 10.4	-	-	-	0.8	1.3	-	-	-	-	-	-	-	2.2	47
10.5 - 11.4	-	-	-	0.1	-	-	-	-	-	-	-	-	0.1	2
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	-	-	-	-	-	-	-	*	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	*	-	-	0.0	1
TOTAL %	5.6	7.7	9.3	14.5	28.5	16.6	9.0	0.5	0.2	1.0	1.1	5.9	100.0	

TOTAL N	121	167	202	315	618	359	196	11	5	21	24	127	2166

(* < 0.05%)

STATION: 42019

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

Month: APR

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	0.6	-	-	-	-	1.4	30
3.5 - 4.4	0.6	0.9	0.4	1.0	0.4	0.3	0.2	0.9	0.2	-	-	*	4.9	104
4.5 - 5.4	0.4	1.0	1.3	1.0	1.2	1.3	0.4	0.5	-	-	-	*	7.1	149
5.5 - 6.4	0.7	0.8	1.6	2.6	4.3	7.5	1.5	1.5	-	-	-	0.4	20.8	439
6.5 - 7.4	-	0.6	3.0	3.0	10.7	14.3	1.8	0.7	*	-	-	-	34.3	722
7.5 - 8.4	-	0.1	0.6	1.8	14.4	11.1	0.6	-	-	-	-	-	28.6	602
8.5 - 9.4	-	-	-	0.1	1.9	0.8	-	-	-	-	-	-	2.7	57
9.5 - 10.4	-	-	-	-	0.1	-	-	-	-	-	-	-	0.1	3
TOTAL %	1.7	3.4	7.0	9.5	33.1	35.3	5.0	4.2	0.3	0.0	0.0	0.5	100.0	
TOTAL N	36	72	148	200	697	744	105	88	6	0	0	10		2106

(* < 0.05%)

STATION: 42019

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

Month: MAY

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	-	-	-	-	0.2	0.5	0.5	*	-	-	-	-	1.2	27
3.5 - 4.4	0.1	-	*	0.1	0.9	1.8	2.9	1.0	-	-	-	-	7.0	155
4.5 - 5.4	*	-	0.6	0.8	3.1	8.0	5.0	2.0	-	-	-	0.1	19.5	433
5.5 - 6.4	*	0.2	0.7	1.1	11.8	12.8	6.1	1.0	*	*	-	-	33.9	750
6.5 - 7.4	-	0.3	0.6	2.8	13.7	9.6	0.9	0.1	-	-	-	-	28.0	621
7.5 - 8.4	-	-	-	2.3	5.1	1.5	-	-	-	-	-	-	8.8	196
8.5 - 9.4	-	-	-	1.0	0.4	-	-	-	-	-	-	-	1.4	32
9.5 - 10.4	-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.2	0.5	2.0	8.1	35.3	34.2	15.4	4.2	0.0	0.0	0.0	0.1	100.0	
TOTAL N	4	12	44	179	781	758	341	92	1	1	0	2		2215

(* < 0.05%)

STATION: 42019

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

Month: JUN

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	0.1	0.1	0.5	0.1	0.1	-	-	-	*	1.6	36
3.5 - 4.4	0.1	0.1	0.4	0.7	0.6	2.4	3.4	0.8	*	*	*	*	8.7	198
4.5 - 5.4	-	0.3	0.4	0.3	1.6	10.4	5.1	0.1	-	-	-	-	18.3	418
5.5 - 6.4	-	0.7	0.9	2.1	3.9	19.0	8.4	0.1	-	-	-	-	35.1	804
6.5 - 7.4	-	-	0.1	0.7	6.5	13.5	2.3	0.1	-	-	-	-	23.2	531
7.5 - 8.4	-	-	-	0.8	4.2	5.4	0.4	-	-	-	-	-	10.9	249
8.5 - 9.4	-	-	-	0.4	1.0	0.1	-	-	-	-	-	-	1.6	36
9.5 - 10.4	-	-	-	-	0.2	*	-	-	-	-	-	-	0.3	6
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	*	0.0	1
13.5 - 14.4	-	-	-	-	-	-	-	-	-	*	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	*	-	-	-	-	-	*	*	-	0.1	3
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	*	-	-	-	-	-	0.1	0.1	-	0.2	5
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.1	1.4	2.1	5.2	18.1	51.4	19.8	1.3	0.0	0.2	0.2	0.1	100.0	

TOTAL N	2	33	48	120	415	1176	453	29	1	5	4	3	2289

(* < 0.05%)

STATION: 42019

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	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	-	-	0.3	0.4	0.6	1.4	0.5	0.1	*	-	*	3.3	96
3.5 - 4.4	0.2	0.1	0.3	0.7	0.8	2.0	7.1	5.2	0.9	0.2	0.1	*	17.5	508
4.5 - 5.4	-	0.1	0.2	0.2	2.3	10.1	14.8	6.0	0.9	*	-	*	34.7	1009
5.5 - 6.4	-	-	-	0.4	4.4	17.1	6.2	0.3	-	-	-	-	28.5	828
6.5 - 7.4	-	-	-	0.1	3.1	7.2	0.8	-	-	-	-	-	11.2	326
7.5 - 8.4	-	-	-	0.1	1.8	1.9	0.1	-	-	-	-	-	3.9	112
8.5 - 9.4	-	-	-	0.1	0.3	0.2	-	-	-	-	-	-	0.6	17
9.5 - 10.4	-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
10.5 - 11.4	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
13.5 - 14.4	-	-	-	0.1	-	-	-	-	-	-	-	-	0.1	2
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	*	-	-	-	*	-	-	-	0.1	2
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	0.1	-	-	-	-	-	*	*	-	0.1	4
TOTAL %	0.2	0.2	0.5	2.1	13.2	39.1	30.3	12.0	1.9	0.3	0.1	0.1	100.0	
TOTAL N	6	7	15	60	384	1136	880	349	56	8	3	3		2907

(* < 0.05%)

STATION: 42019

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	0.6	-	-	-	-	-	-	-	-	-	-	-	0.6	18
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	0.2	0.3	0.3	0.3	0.9	0.8	0.3	0.1	0.4	0.5	0.8	4.9	145
3.5 - 4.4	-	0.2	1.0	1.7	4.7	1.6	3.3	1.2	0.4	-	-	-	14.3	426
4.5 - 5.4	-	0.1	1.2	2.3	5.1	9.5	9.9	3.5	0.1	-	-	-	31.7	948
5.5 - 6.4	-	*	0.6	3.8	4.7	12.6	5.2	1.1	-	-	-	-	28.1	840
6.5 - 7.4	-	-	-	2.0	3.2	3.4	1.5	0.1	-	-	-	-	10.2	306
7.5 - 8.4	-	-	-	2.0	1.7	2.0	0.6	*	-	-	-	-	6.5	193
8.5 - 9.4	-	-	-	0.7	0.2	0.2	0.2	*	-	-	-	-	1.4	41
9.5 - 10.4	-	-	-	0.1	0.2	0.2	0.5	0.1	-	-	-	-	1.1	32
10.5 - 11.4	-	-	-	*	0.2	0.2	0.2	-	-	-	*	-	0.6	18
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
13.5 - 14.4	-	-	-	0.1	-	*	-	-	-	-	-	-	0.1	3
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	*	-	*	-	-	-	-	*	*	-	0.1	4
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	0.1	*	-	-	-	-	-	*	-	0.1	4
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	0.1	-	-	-	-	-	0.2	-	-	0.3	8
TOTAL %	0.6	0.5	3.1	13.4	20.4	30.8	22.2	6.4	0.6	0.6	0.6	0.8	100.0	
TOTAL N	18	15	94	399	610	920	662	190	19	17	18	25		2987

(* < 0.05%)

STATION: 42019

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	-	-	-	-	-	-	-	-	-	-	-	-	0.0	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	0.3	0.2	-	0.1	0.1	-	-	1.2	32
3.5 - 4.4	0.1	0.4	1.2	1.3	1.0	0.8	0.7	2.0	1.0	0.4	0.2	*	9.2	249
4.5 - 5.4	0.4	0.6	3.8	3.2	1.9	3.8	2.1	0.3	1.2	*	0.1	0.2	17.5	476
5.5 - 6.4	0.4	1.3	4.4	7.8	4.0	9.2	1.8	-	-	-	-	0.1	29.0	787
6.5 - 7.4	*	1.0	1.8	8.4	5.6	3.2	2.2	0.2	-	-	-	-	22.5	611
7.5 - 8.4	-	-	0.4	5.7	3.9	0.9	1.0	0.3	-	-	-	-	12.3	334
8.5 - 9.4	-	-	*	2.2	0.7	0.1	*	-	-	-	-	-	3.1	85
9.5 - 10.4	-	-	-	3.0	1.1	0.2	-	-	-	-	-	-	4.2	115
10.5 - 11.4	-	-	-	0.6	*	-	-	-	-	-	-	-	0.6	17
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	0.1	*	-	-	-	-	-	-	-	0.2	5
13.5 - 14.4	*	-	-	*	0.1	-	-	-	-	-	-	-	0.1	4
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	*	*	-	-	-	-	-	-	-	0.1	2
TOTAL %	1.0	3.4	11.9	32.3	18.5	18.5	8.1	2.9	2.3	0.6	0.3	0.3	100.0	
TOTAL N	26	93	323	877	503	504	219	78	62	16	7	9		2717

(* < 0.05%)

STATION: 42019

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

Month: OCT

	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	0.6	0.3	*	-	*	0.1	-	-	1.1	31
3.5 - 4.4	0.1	0.2	0.4	0.6	0.9	0.6	*	0.1	0.1	0.1	0.2	-	3.3	96
4.5 - 5.4	0.3	0.8	1.7	3.3	3.2	1.8	0.8	0.1	-	0.3	0.1	0.1	12.6	366
5.5 - 6.4	0.7	2.1	2.9	8.7	6.7	2.0	1.6	0.1	-	-	-	0.3	25.0	725
6.5 - 7.4	-	1.1	2.7	7.2	7.6	0.7	0.3	-	-	-	-	*	19.6	569
7.5 - 8.4	-	*	1.0	13.0	10.2	2.0	0.2	-	-	-	-	-	26.4	765
8.5 - 9.4	-	-	-	3.5	3.5	0.1	0.1	-	-	-	-	-	7.3	210
9.5 - 10.4	-	-	-	1.3	2.3	0.1	0.2	-	-	-	*	-	4.0	117
10.5 - 11.4	-	-	-	*	0.3	-	0.2	-	-	-	-	-	0.5	14
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	0.1	-	-	-	-	-	0.1	2
13.5 - 14.4	-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	1.1	4.4	8.7	37.8	35.3	7.7	3.5	0.2	0.1	0.4	0.3	0.5	100.0	
TOTAL N	33	126	251	1094	1021	223	100	7	4	13	10	14		2896

(* < 0.05%)

STATION: 42019

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

Month: NOV

	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	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.1	0.1	0.1	0.3	0.4	0.2	0.5	0.3	-	-	-	*	2.1	70
3.5 - 4.4	0.2	0.3	0.6	0.9	1.5	1.6	1.1	0.3	-	0.1	0.4	0.3	7.3	244
4.5 - 5.4	0.7	1.0	2.1	1.0	4.2	2.8	1.2	0.6	0.1	0.5	0.7	0.5	15.4	516
5.5 - 6.4	0.3	1.5	3.3	3.5	6.6	5.3	1.6	1.0	*	0.3	0.6	0.3	24.2	812
6.5 - 7.4	0.3	1.8	3.2	7.3	6.5	3.2	2.2	-	-	0.1	0.4	0.3	25.2	847
7.5 - 8.4	-	0.4	1.4	7.4	7.0	1.9	1.5	*	-	-	-	-	19.6	659
8.5 - 9.4	-	-	-	1.8	2.9	0.2	0.2	*	-	-	-	-	5.2	173
9.5 - 10.4	-	-	-	0.1	0.5	-	-	-	-	-	-	-	0.7	22
10.5 - 11.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	*	-	-	-	-	*	-	-	-	0.1	2
13.5 - 14.4	-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	0.1	-	-	0.1	2
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	*	-	-	-	-	-	*	-	-	0.1	2
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	0.1	-	-	-	-	-	0.1	-	-	0.2	6
TOTAL %	1.6	5.1	10.7	22.4	29.6	15.3	8.3	2.2	0.2	1.1	2.1	1.5	100.0	
TOTAL N	55	171	360	753	994	512	278	73	6	37	69	49		3357

(* < 0.05%)

STATION: 42019

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

Month: DEC

	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	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.1	*	0.1	0.1	0.1	0.2	0.2	-	0.1	*	0.1	0.1	1.2	37
3.5 - 4.4	1.2	1.9	1.6	0.6	1.5	0.6	0.9	0.1	-	0.2	0.5	1.1	10.1	306
4.5 - 5.4	2.2	2.8	2.0	1.2	2.3	1.6	0.4	0.5	0.1	0.1	1.7	1.9	16.7	506
5.5 - 6.4	1.8	3.2	3.7	2.8	3.9	5.8	1.6	0.1	-	0.4	2.1	2.2	27.6	835
6.5 - 7.4	0.9	2.7	4.1	4.0	5.7	7.2	2.4	0.3	-	-	0.2	0.5	28.0	846
7.5 - 8.4	0.1	0.9	1.4	2.4	3.3	2.9	1.8	0.5	0.1	-	-	-	13.3	402
8.5 - 9.4	-	-	-	0.5	0.5	1.3	0.4	0.1	-	-	-	-	2.7	82
9.5 - 10.4	-	-	-	-	-	0.1	0.2	-	-	-	-	-	0.4	11
TOTAL %	6.3	11.6	12.9	11.5	17.3	19.7	7.8	1.5	0.2	0.7	4.7	5.8	100.0	
TOTAL N	192	350	390	347	523	595	235	46	7	22	142	177		3026

(* < 0.05%)

STATION: 42019

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

All Months: Annual

	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	21
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	*	0.1	0.1	0.1	0.3	0.3	0.4	0.2	0.1	0.1	0.1	0.1	2.0	590
3.5 - 4.4	0.4	0.5	0.8	0.8	1.3	1.2	1.9	1.1	0.3	0.1	0.2	0.3	9.0	2651
4.5 - 5.4	0.7	1.1	1.7	1.5	2.8	5.0	4.0	1.3	0.3	0.2	0.3	0.5	19.3	5720
5.5 - 6.4	0.6	1.4	2.4	3.7	5.2	9.1	3.7	0.5	*	0.1	0.3	0.5	27.5	8145
6.5 - 7.4	0.2	0.9	1.9	4.0	6.4	6.0	1.7	0.1	*	*	0.1	0.2	21.5	6369
7.5 - 8.4	*	0.2	0.5	4.3	6.1	3.2	0.9	0.1	*	-	*	*	15.3	4526
8.5 - 9.4	-	-	*	1.3	1.5	0.4	0.1	*	-	-	-	-	3.3	976
9.5 - 10.4	-	-	*	0.6	0.7	0.1	0.1	*	-	-	*	-	1.6	461
10.5 - 11.4	-	-	-	0.1	0.1	*	*	-	-	-	*	-	0.2	56
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	-	*	*	-	*	-	*	-	-	*	0.0	12
13.5 - 14.4	*	*	-	*	*	*	-	-	*	*	-	-	0.0	13
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	*	*	*	-	-	-	*	*	*	-	0.0	13
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	*	*	-	-	-	-	*	*	-	0.1	16
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	*	-	-	-	-	-	*	-	-	0.1	15
TOTAL %	2.0	4.2	7.5	16.5	24.5	25.4	12.7	3.4	0.6	0.5	1.0	1.6	100.0	
TOTAL N	582	1250	2233	4895	7234	7505	3769	994	187	159	299	477		29584

(* < 0.05%)

STATION: 42019

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

Months: DEC, JAN, FEB (Winter)

	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	2
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	0.1	*	0.1	0.1	0.1	0.2	0.1	0.1	0.1	*	0.1	0.1	0.9	56
3.5 - 4.4	0.9	1.3	1.6	0.7	1.1	0.9	0.7	0.2	0.1	0.2	0.3	0.6	8.8	521
4.5 - 5.4	1.8	2.5	2.4	1.8	2.6	3.1	1.1	0.2	0.2	0.2	1.0	1.4	18.3	1087
5.5 - 6.4	1.2	2.9	4.0	3.4	4.1	6.3	2.7	0.4	0.1	0.3	1.2	1.5	28.0	1667
6.5 - 7.4	0.6	1.8	3.5	3.9	4.9	5.4	2.2	0.2	-	-	0.2	0.4	22.9	1364
7.5 - 8.4	0.1	0.8	0.9	3.8	5.4	2.7	1.8	0.3	0.1	-	-	-	15.8	939
8.5 - 9.4	-	-	*	0.7	1.1	1.0	0.2	*	-	-	-	-	3.1	187
9.5 - 10.4	-	-	-	0.6	1.0	0.3	0.1	-	-	-	-	-	2.0	117
10.5 - 11.4	-	-	-	*	0.1	-	-	-	-	-	-	-	0.1	4
TOTAL %	4.7	9.3	12.6	15.1	20.4	19.7	9.0	1.3	0.5	0.7	2.8	4.0	100.0	
TOTAL N	281	554	748	898	1211	1173	535	77	27	41	164	235		5944

(* < 0.05%)

STATION: 42019

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

Months: MAR, APR, MAY (Spring)

	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	*	0.2	0.2	0.1	0.3	0.2	0.5	0.2	0.1	-	*	0.1	1.9	124
3.5 - 4.4	0.5	0.6	0.5	0.6	0.7	0.8	1.3	0.7	0.1	0.1	*	0.4	6.3	409
4.5 - 5.4	0.8	1.4	1.6	0.8	1.8	3.7	2.3	0.8	-	0.1	-	0.5	13.9	900
5.5 - 6.4	1.0	1.1	1.9	1.9	6.6	7.9	3.8	0.9	*	0.1	0.1	0.7	25.9	1682
6.5 - 7.4	0.1	0.5	1.6	3.1	10.6	9.6	1.6	0.3	*	-	0.2	0.4	28.0	1815
7.5 - 8.4	*	0.1	0.3	2.7	9.9	6.2	0.4	-	-	-	*	*	19.7	1275
8.5 - 9.4	-	-	-	1.3	1.9	0.3	*	-	-	-	-	-	3.5	227
9.5 - 10.4	-	-	-	0.3	0.5	-	-	-	-	-	-	-	0.8	51
10.5 - 11.4	-	-	-	*	-	-	-	-	-	-	-	-	0.0	2
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
13.5 - 14.4	-	-	-	-	-	-	-	-	*	-	-	-	0.0	1
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	-	-	-	-	-	-	*	-	-	0.0	1
TOTAL %	2.5	3.9	6.1	10.7	32.3	28.7	9.9	2.9	0.2	0.3	0.4	2.1	100.0	
TOTAL N	161	251	394	694	2096	1861	642	191	12	22	24	139		6487

(* < 0.05%)

STATION: 42019

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

Months: JUN, JUL, AUG (Summer)

	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	18
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	-	0.1	0.2	0.2	0.3	0.7	0.8	0.3	0.1	0.1	0.2	0.3	3.4	277
3.5 - 4.4	0.1	0.1	0.6	1.1	2.2	2.0	4.7	2.5	0.5	0.1	*	*	13.8	1132
4.5 - 5.4	-	0.2	0.6	1.0	3.1	10.0	10.3	3.5	0.3	*	-	*	29.0	2375
5.5 - 6.4	-	0.2	0.5	2.1	4.4	16.0	6.5	0.6	-	-	-	-	30.2	2472
6.5 - 7.4	-	-	*	1.0	4.1	7.6	1.5	*	-	-	-	-	14.2	1163
7.5 - 8.4	-	-	-	1.0	2.4	2.9	0.4	*	-	-	-	-	6.8	554
8.5 - 9.4	-	-	-	0.4	0.5	0.2	0.1	*	-	-	-	-	1.1	94
9.5 - 10.4	-	-	*	*	0.1	0.1	0.2	*	-	-	-	-	0.5	39
10.5 - 11.4	-	-	-	*	0.1	0.1	0.1	-	-	-	*	-	0.2	19
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	*	-	*	-	-	-	-	-	-	-	*	0.0	3
13.5 - 14.4	-	-	-	*	-	*	-	-	-	*	-	-	0.1	6
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	*	*	*	-	-	-	*	*	*	-	0.1	9
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	0.1	*	-	-	-	-	*	*	-	0.2	13
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	*	-	-	-	-	-	0.1	-	-	0.1	9
TOTAL %	0.3	0.7	1.9	7.1	17.2	39.5	24.4	6.9	0.9	0.4	0.3	0.4	100.0	
TOTAL N	26	55	157	579	1409	3232	1995	568	76	30	25	31		8183

(* < 0.05%)

STATION: 42019

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

Months: SEP, OCT, NOV (Autumn)

	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	1
0.5 - 1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
1.5 - 2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
2.5 - 3.4	*	0.1	0.1	0.1	0.4	0.3	0.3	0.1	*	0.1	-	*	1.5	133
3.5 - 4.4	0.1	0.3	0.7	0.9	1.1	1.1	0.6	0.7	0.3	0.2	0.3	0.1	6.6	589
4.5 - 5.4	0.5	0.8	2.5	2.4	3.2	2.8	1.3	0.4	0.4	0.3	0.3	0.3	15.1	1358
5.5 - 6.4	0.5	1.6	3.5	6.5	5.8	5.4	1.6	0.4	*	0.1	0.2	0.3	25.9	2324

6.5 - 7.4	0.1	1.4	2.6	7.6	6.6	2.4	1.6	0.1	-	*	0.1	0.1	22.6	2027
7.5 - 8.4	-	0.1	1.0	8.7	7.1	1.6	0.9	0.1	-	-	-	-	19.6	1758
8.5 - 9.4	-	-	*	2.5	2.4	0.2	0.1	*	-	-	-	-	5.2	468
9.5 - 10.4	-	-	-	1.4	1.3	0.1	0.1	-	-	-	*	-	2.8	254
10.5 - 11.4	-	-	-	0.2	0.1	-	0.1	-	-	-	-	-	0.3	31
11.5 - 12.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
12.5 - 13.4	-	-	-	0.1	*	-	*	-	*	-	-	-	0.1	9
13.5 - 14.4	*	*	-	*	*	-	-	-	-	-	-	-	0.1	6
14.5 - 15.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
15.5 - 16.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
16.5 - 17.4	-	-	-	*	*	-	-	-	-	*	-	-	0.0	4
17.5 - 18.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
18.5 - 19.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
19.5 - 20.4	-	-	-	*	-	-	-	-	-	*	-	-	0.0	2
20.5 - 21.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
21.5 - 22.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
22.5 - 23.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
23.5 - 24.4	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
24.5 - 25.4	-	-	-	*	-	-	-	-	-	*	-	-	0.1	6
TOTAL %	1.3	4.3	10.4	30.4	28.1	13.8	6.7	1.8	0.8	0.7	1.0	0.8	100.0	
TOTAL N	114	390	934	2724	2518	1239	597	158	72	66	86	72		8970

(* < 0.05%)

STATION: 42019

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

Month: JAN

	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	-	0.4	1.6	0.8	0.7	0.5	0.1	0.2	0.2	-	-	-	4.6	45
0.5 - 1.4	0.8	5.7	8.6	11.4	13.1	7.9	5.2	0.4	1.4	0.9	0.2	1.2	56.8	562
1.5 - 2.4	2.0	2.5	3.6	3.3	6.8	5.1	3.6	0.2	-	-	0.4	2.1	29.7	294
2.5 - 3.4	0.1	0.2	1.1	3.0	1.4	0.7	0.5	-	-	-	0.3	0.6	8.0	79
3.5 - 4.4	-	-	0.1	0.5	0.3	-	-	-	-	-	-	-	0.9	9
TOTAL %	2.9	8.8	15.1	19.1	22.3	14.2	9.4	0.8	1.6	0.9	0.9	3.9	100.0	
TOTAL N	29	87	149	189	221	140	93	8	16	9	9	39		989

(* < 0.05%)

STATION: 42019

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

Month: FEB

	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	0.1	0.1	0.5	0.2	-	0.1	0.1	-	-	-	1.2	24
0.5 - 1.4	1.8	2.4	6.9	11.1	17.0	13.8	6.2	0.8	0.1	0.1	0.3	0.3	60.9	1174
1.5 - 2.4	0.8	1.7	2.9	6.4	5.6	5.3	4.0	0.3	0.1	0.5	0.4	0.6	28.4	548
2.5 - 3.4	0.4	1.5	1.0	0.8	1.0	2.9	0.5	-	-	-	0.1	0.1	8.1	157
3.5 - 4.4	0.1	0.3	-	0.3	0.1	0.6	0.1	-	-	-	-	-	1.3	25
4.5 - 5.4	-	-	-	0.1	-	-	-	-	-	-	-	-	0.1	1
TOTAL %	3.1	6.1	10.8	18.8	24.2	22.7	10.7	1.2	0.2	0.5	0.7	1.0	100.0	
TOTAL N	60	117	209	362	467	438	207	23	4	10	13	19		1929

(* < 0.05%)

STATION: 42019

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

Month: MAR

	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	0.8	1.7	0.6	2.1	-	0.4	0.1	0.2	-	-	0.3	6.2	135
0.5 - 1.4	2.7	5.4	4.6	4.1	13.8	6.0	5.1	0.4	-	0.6	0.2	2.0	44.7	969
1.5 - 2.4	2.5	1.4	2.7	7.5	9.1	7.3	3.4	*	-	0.4	0.4	2.0	36.8	798
2.5 - 3.4	0.2	0.2	0.3	2.4	2.5	3.1	0.2	-	-	-	0.5	1.4	10.9	237
3.5 - 4.4	-	-	-	-	0.9	0.2	-	-	-	-	*	*	1.2	26
4.5 - 5.4	-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
TOTAL %	5.6	7.7	9.3	14.5	28.5	16.6	9.0	0.5	0.2	1.0	1.1	5.9	100.0	
TOTAL N	121	167	202	315	618	359	196	11	5	21	24	127		2166

(* < 0.05%)

STATION: 42019

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

Month: APR

	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	-	-	0.6	-	0.7	-	0.3	1.2	0.2	-	-	-	3.0	64
0.5 - 1.4	1.0	2.4	2.1	7.0	19.1	15.0	1.5	1.8	*	-	-	*	50.0	1052
1.5 - 2.4	0.7	0.7	3.3	2.2	12.4	18.8	2.8	1.1	-	-	-	0.4	42.4	892
2.5 - 3.4	-	0.4	1.1	0.3	0.9	1.6	0.4	-	-	-	-	-	4.7	98
TOTAL %	1.7	3.4	7.0	9.5	33.1	35.3	5.0	4.2	0.3	0.0	0.0	0.5	100.0	
TOTAL N	36	72	148	200	697	744	105	88	6	0	0	10		2106

(* < 0.05%)

STATION: 42019

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

Month: MAY

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	-	-	-	-	1.3	1.4	1.3	0.7	-	-	-	-	4.7	103
0.5 - 1.4	0.1	*	0.9	6.0	25.1	26.3	12.2	3.1	-	-	-	*	73.9	1637
1.5 - 2.4	0.1	0.2	1.0	2.1	8.8	6.5	1.9	0.3	*	*	-	*	21.0	466
2.5 - 3.4	-	0.3	*	-	0.1	-	-	-	-	-	-	-	0.4	9
TOTAL %	0.2	0.5	2.0	8.1	35.3	34.2	15.4	4.2	0.0	0.0	0.0	0.1	100.0	
TOTAL N	4	12	44	179	781	758	341	92	1	1	0	2		2215

(* < 0.05%)

STATION: 42019

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

Month: JUN

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	*	0.2	0.3	0.3	1.6	2.8	0.4	0.2	-	-	-	-	5.8	133
0.5 - 1.4	*	1.1	1.1	3.3	8.7	33.6	16.8	0.9	*	0.2	0.2	0.1	66.1	1512
1.5 - 2.4	-	0.1	0.6	1.5	7.0	14.6	2.5	0.2	-	-	-	-	26.6	608
2.5 - 3.4	-	-	0.1	0.1	0.9	0.5	*	-	-	-	-	-	1.6	36
TOTAL %	0.1	1.4	2.1	5.2	18.1	51.4	19.8	1.3	0.0	0.2	0.2	0.1	100.0	
TOTAL N	2	33	48	120	415	1176	453	29	1	5	4	3		2289

(* < 0.05%)

STATION: 42019

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

Month: JUL

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	*	*	0.3	0.6	1.4	2.8	3.1	1.6	0.5	0.2	*	-	10.5	304
0.5 - 1.4	0.2	0.2	0.2	1.5	9.5	32.9	27.0	10.4	1.4	0.1	0.1	0.1	83.6	2430
1.5 - 2.4	-	-	-	-	2.0	3.2	0.2	-	-	-	-	-	5.4	157
2.5 - 3.4	-	-	-	-	0.3	0.2	-	-	-	-	-	-	0.6	16
TOTAL %	0.2	0.2	0.5	2.1	13.2	39.1	30.3	12.0	1.9	0.3	0.1	0.1	100.0	
TOTAL N	6	7	15	60	384	1136	880	349	56	8	3	3		2907

(* < 0.05%)

STATION: 42019

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

Month: AUG

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	0.6	0.2	0.9	1.7	3.4	6.7	3.3	0.7	0.2	0.3	0.5	0.8	19.5	582
0.5 - 1.4	-	0.3	2.3	10.2	15.7	21.3	16.8	5.4	0.5	0.2	0.1	-	72.7	2172
1.5 - 2.4	-	-	-	0.8	1.2	2.7	1.2	0.1	-	*	-	-	6.1	183
2.5 - 3.4	-	-	-	0.4	-	0.1	0.4	0.1	-	-	-	-	1.0	29
3.5 - 4.4	-	-	-	0.1	0.1	0.1	0.3	-	-	-	-	-	0.6	18
4.5 - 5.4	-	-	-	-	-	-	0.1	*	-	-	-	-	0.1	3
TOTAL %	0.6	0.5	3.1	13.4	20.4	30.8	22.2	6.4	0.6	0.6	0.6	0.8	100.0	
TOTAL N	18	15	94	399	610	920	662	190	19	17	18	25		2987

(* < 0.05%)

STATION: 42019

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

Month: SEP

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	-	-	0.3	1.2	1.1	0.7	0.4	0.7	0.6	0.3	-	*	5.3	143
0.5 - 1.4	0.4	1.3	8.4	21.4	10.6	14.5	6.3	1.6	1.7	0.3	0.3	0.2	67.0	1821

1.5 - 2.4	0.5	2.1	3.0	8.0	5.2	3.2	1.1	*	-	-	-	0.1	23.3	633
2.5 - 3.4	-	*	0.2	0.5	1.0	0.1	0.1	0.4	-	-	-	-	2.4	66
3.5 - 4.4	-	-	-	0.7	0.6	*	0.1	*	-	-	-	-	1.5	41
4.5 - 5.4	-	-	*	0.4	-	-	-	-	-	-	-	-	0.5	13
TOTAL %	1.0	3.4	11.9	32.3	18.5	18.5	8.1	2.9	2.3	0.6	0.3	0.3	100.0	
TOTAL N	26	93	323	877	503	504	219	78	62	16	7	9		2717

(* < 0.05%)

STATION: 42019

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

Month: OCT

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	-	-	-	1.5	0.5	0.1	*	*	0.1	-	-	-	2.3	66
0.5 - 1.4	0.3	1.5	5.2	20.2	22.7	3.7	2.2	0.2	-	0.3	0.3	-	56.7	1642
1.5 - 2.4	0.8	2.6	2.1	13.3	11.0	3.3	1.0	-	-	0.1	*	0.4	34.6	1002
2.5 - 3.4	*	0.3	1.1	2.6	1.1	0.6	0.2	-	-	-	-	*	5.9	170
3.5 - 4.4	-	-	0.3	0.2	-	-	-	-	-	-	-	-	0.6	16
TOTAL %	1.1	4.4	8.7	37.8	35.3	7.7	3.5	0.2	0.1	0.4	0.3	0.5	100.0	
TOTAL N	33	126	251	1094	1021	223	100	7	4	13	10	14		2896

(* < 0.05%)

STATION: 42019

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

Month: NOV

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	0.1	0.5	1.5	1.7	0.2	1.0	0.4	*	-	-	-	5.5	186
0.5 - 1.4	0.8	1.3	4.1	14.1	18.9	6.8	3.0	1.6	0.1	0.7	1.1	0.7	53.2	1787
1.5 - 2.4	0.5	3.0	4.6	6.1	8.7	6.9	3.4	0.1	-	0.3	0.6	0.3	34.4	1156
2.5 - 3.4	0.3	0.7	1.3	0.5	0.3	1.2	0.8	*	-	0.1	0.4	0.4	6.0	203
3.5 - 4.4	-	*	0.2	0.2	-	0.2	0.1	*	-	-	-	-	0.7	25
TOTAL %	1.6	5.1	10.7	22.4	29.6	15.3	8.3	2.2	0.2	1.1	2.1	1.5	100.0	
TOTAL N	55	171	360	753	994	512	278	73	6	37	69	49		3357

(* < 0.05%)

STATION: 42019

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

Month: DEC

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	0.4	1.2	0.7	0.5	0.4	0.9	-	*	-	*	0.1	4.2	127
0.5 - 1.4	3.2	5.0	5.4	6.6	12.3	6.2	2.0	0.6	*	0.2	1.8	2.4	45.8	1385
1.5 - 2.4	2.2	4.3	4.9	2.8	3.7	10.2	3.7	0.4	0.1	0.5	2.5	2.7	37.9	1148
2.5 - 3.4	0.9	1.8	1.5	1.2	0.8	1.8	0.9	0.6	0.1	-	0.3	0.7	10.5	318
3.5 - 4.4	-	*	*	*	*	1.1	0.4	-	-	-	-	-	1.6	48
TOTAL %	6.3	11.6	12.9	11.5	17.3	19.7	7.8	1.5	0.2	0.7	4.7	5.8	100.0	
TOTAL N	192	350	390	347	523	595	235	46	7	22	142	177		3026

(* < 0.05%)

STATION: 42019

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	0.1	0.2	0.6	0.8	1.3	1.4	1.1	0.5	0.2	0.1	0.1	0.1	6.5	1912
0.5 - 1.4	0.9	2.0	3.9	10.0	15.6	15.7	9.0	2.5	0.4	0.3	0.4	0.6	61.3	18143
1.5 - 2.4	0.8	1.6	2.4	4.6	6.6	7.0	2.3	0.2	*	0.2	0.4	0.7	26.7	7885
2.5 - 3.4	0.2	0.5	0.6	0.9	0.8	1.0	0.3	0.1	*	*	0.1	0.3	4.8	1418
3.5 - 4.4	*	*	0.1	0.2	0.2	0.2	0.1	*	-	-	*	*	0.7	208
4.5 - 5.4	-	-	*	*	*	-	*	*	-	-	-	-	0.1	18
TOTAL %	2.0	4.2	7.5	16.5	24.5	25.4	12.7	3.4	0.6	0.5	1.0	1.6	100.0	
TOTAL N	582	1250	2233	4895	7234	7505	3769	994	187	159	299	477		29584

(* < 0.05%)

STATION: 42019

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	0.1	0.4	0.9	0.5	0.5	0.3	0.5	0.1	0.1	-	*	*	3.3	196
0.5 - 1.4	2.4	4.3	6.4	8.9	13.9	8.9	3.9	0.6	0.3	0.3	1.0	1.5	52.5	3121
1.5 - 2.4	1.7	3.2	4.0	4.1	4.8	7.8	3.8	0.3	0.1	0.4	1.5	1.9	33.5	1990
2.5 - 3.4	0.6	1.4	1.2	1.4	1.0	2.0	0.7	0.3	0.1	-	0.2	0.5	9.3	554
3.5 - 4.4	*	0.1	*	0.2	0.1	0.7	0.2	-	-	-	-	-	1.4	82
4.5 - 5.4	-	-	-	*	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	4.7	9.3	12.6	15.1	20.4	19.7	9.0	1.3	0.5	0.7	2.8	4.0	100.0	
TOTAL N	281	554	748	898	1211	1173	535	77	27	41	164	235		5944

(* < 0.05%)

STATION: 42019

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	*	0.3	0.8	0.2	1.3	0.5	0.7	0.7	0.2	-	-	0.1	4.7	302
0.5 - 1.4	1.3	2.6	2.5	5.7	19.4	15.8	6.4	1.8	*	0.2	0.1	0.7	56.4	3658
1.5 - 2.4	1.1	0.8	2.3	3.9	10.1	10.8	2.7	0.5	*	0.2	0.1	0.8	33.2	2156
2.5 - 3.4	0.1	0.3	0.5	0.9	1.2	1.5	0.2	-	-	-	0.2	0.5	5.3	344
3.5 - 4.4	-	-	-	-	0.3	0.1	-	-	-	-	*	*	0.4	26
4.5 - 5.4	-	-	-	-	*	-	-	-	-	-	-	-	0.0	1
TOTAL %	2.5	3.9	6.1	10.7	32.3	28.7	9.9	2.9	0.2	0.3	0.4	2.1	100.0	
TOTAL N	161	251	394	694	2096	1861	642	191	12	22	24	139		6487

(* < 0.05%)

STATION: 42019

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

Months: JUN, JUL, AUG (Summer)

MEAN WAVE DIRECTION

WAVE HEIGHT	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	TOT %	TOT N
< 0.5	0.2	0.2	0.5	0.9	2.2	4.2	2.4	0.9	0.2	0.2	0.2	0.3	12.5	1019
0.5 - 1.4	0.1	0.5	1.2	5.2	11.5	28.8	20.4	5.9	0.7	0.2	0.1	0.1	74.7	6114
1.5 - 2.4	-	*	0.2	0.7	3.1	6.2	1.2	0.1	-	*	-	-	11.6	948
2.5 - 3.4	-	-	*	0.2	0.4	0.2	0.2	*	-	-	-	-	1.0	81
3.5 - 4.4	-	-	-	*	*	*	0.1	-	-	-	-	-	0.2	18
4.5 - 5.4	-	-	-	-	-	-	*	*	-	-	-	-	0.0	3
TOTAL %	0.3	0.7	1.9	7.1	17.2	39.5	24.4	6.9	0.9	0.4	0.3	0.4	100.0	
TOTAL N	26	55	157	579	1409	3232	1995	568	76	30	25	31		8183

(* < 0.05%)

STATION: 42019

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	*	*	0.3	1.4	1.1	0.3	0.5	0.4	0.2	0.1	-	*	4.4	395
0.5 - 1.4	0.5	1.3	5.8	18.3	17.6	8.1	3.8	1.2	0.6	0.5	0.6	0.3	58.5	5250
1.5 - 2.4	0.6	2.6	3.3	9.0	8.4	4.6	1.9	*	-	0.1	0.2	0.3	31.1	2791
2.5 - 3.4	0.1	0.4	0.9	1.2	0.8	0.7	0.4	0.1	-	*	0.1	0.2	4.9	439
3.5 - 4.4	-	*	0.2	0.4	0.2	0.1	0.1	*	-	-	-	-	0.9	82
4.5 - 5.4	-	-	*	0.1	-	-	-	-	-	-	-	-	0.1	13
TOTAL %	1.3	4.3	10.4	30.4	28.1	13.8	6.7	1.8	0.8	0.7	1.0	0.8	100.0	
TOTAL N	114	390	934	2724	2518	1239	597	158	72	66	86	72		8970

(* < 0.05%)

Summary complete: 09-Sep-2003 01:58:18