

STATION: MRKA2

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (9/1997 - 12/2001) (53395 RECORDS, 98.1% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
29	-	-	-	-	-	-	-	-	-	-	-	-	9	#	-	-	-	-	-	-	-	-	-	-	-	9	#
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
26	-	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	-	-	-	-	-	-	-	-	-	1	999
25	-	-	-	-	-	-	-	-	-	-	-	-	2	998	-	-	-	-	-	-	-	-	-	-	-	2	999
24	-	-	-	-	-	-	-	-	-	-	-	-	3	997	-	-	-	-	-	-	-	-	-	-	-	3	999
23	-	-	-	-	-	-	-	-	-	-	-	-	2	997	6	#	-	-	-	-	-	-	-	-	-	8	999
22	-	-	-	-	-	-	-	-	-	-	-	-	2	996	2	999	-	-	-	-	-	-	-	-	-	4	999
21	-	-	-	-	-	-	-	-	-	-	-	-	3	996	12	998	-	-	-	-	-	-	-	-	-	15	999
20	-	-	-	-	-	-	-	-	-	-	-	-	13	995	3	996	-	-	-	-	-	-	-	-	-	16	999
19	-	-	-	-	-	-	-	-	-	-	4	#	15	992	14	995	1	#	-	-	-	-	-	-	-	34	999
18	-	-	-	-	-	-	-	-	8	#	9	999	15	989	28	992	3	999	-	-	-	-	-	-	-	63	998
17	-	-	-	-	-	-	-	-	-	-	27	997	29	985	72	986	4	999	-	-	-	-	-	-	-	132	997
16	-	-	-	-	-	-	-	-	2	998	51	991	67	979	85	970	10	998	-	-	-	-	-	-	-	215	995
15	-	-	-	-	-	-	-	-	6	998	108	979	207	963	230	951	8	996	-	-	-	-	-	-	-	559	991
14	-	-	-	-	-	-	-	-	20	996	207	953	388	916	535	900	26	994	-	-	-	-	-	-	-	1176	980
13	-	-	-	-	-	-	-	-	42	992	411	904	703	828	445	781	68	987	-	-	-	-	-	-	-	1669	958
12	-	-	-	-	-	-	4	#	56	982	621	807	775	668	429	682	162	971	17	#	-	-	-	-	-	2064	927
11	-	-	-	-	-	-	7	999	91	969	578	660	805	492	605	587	363	931	65	997	-	-	-	-	-	2514	888
10	-	-	-	-	-	-	17	997	246	948	801	524	768	309	896	453	478	842	92	983	-	-	-	-	-	3298	841
9	-	-	-	-	5	#	40	993	442	892	659	335	468	134	663	255	822	725	185	965	-	-	-	-	-	3284	779
8	-	-	-	-	8	999	75	984	618	790	453	179	114	28	222	108	970	524	289	927	-	-	3	#	2752	718	
7	-	-	-	-	4	997	180	966	624	648	256	72	6	2	195	58	647	286	451	868	2	#	2	999	2367	666	
6	2	#	2	#	12	996	324	923	652	504	48	12	3	1	67	15	297	127	640	777	27	999	19	999	2093	622	
5	15	999	22	999	80	993	504	846	643	355	1	*	-	-	1	*	140	55	666	647	234	994	60	995	2366	583	
4	39	996	147	994	263	975	701	726	490	207	-	-	-	-	-	-	69	20	732	511	469	947	105	984	3015	538	
3	116	987	291	957	548	913	559	559	193	94	-	-	-	-	-	-	14	3	665	363	942	852	226	963	3554	482	
2	254	960	501	884	636	785	680	426	87	50	-	-	-	-	-	-	-	-	392	227	926	662	584	919	4060	415	
1	470	902	579	759	778	637	602	265	78	30	-	-	-	-	-	-	-	-	296	148	797	475	670	805	4270	339	
0	630	793	724	614	491	455	384	122	47	12	-	-	-	-	-	-	-	-	190	88	544	314	706	675	3716	259	
-1	556	648	514	432	447	341	107	30	4	1	-	-	-	-	-	-	-	-	183	49	365	205	667	537	2843	190	
-2	377	519	298	304	362	236	20	5	-	-	-	-	-	-	-	-	-	-	54	12	232	131	427	407	1770	137	
-3	234	432	235	229	283	152	-	-	-	-	-	-	-	-	-	-	-	-	4	1	130	84	406	324	1292	103	
-4	299	378	133	170	163	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	156	58	309	245	1060	79	
-5	248	309	60	137	94	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	26	249	185	732	59	
-6	214	252	36	122	25	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	10	223	137	535	46	
-7	293	202	6	113	32	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	3	124	93	468	36	
-8	164	135	10	111	22	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105	69	301	27	
-9	160	97	7	109	26	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	49	303	21	
-10	130	60	52	107	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	27	241	16	
-11	40	30	111	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	17	215	11	
-12	37	21	77	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	4	136	7	
-13	51	12	81	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132	4
-14	2	*	38	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	2
-15	-	-	19	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	1
-16	-	-	15	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	1
-17	-	-	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	1
-18	-	-	10	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	*
-19	-	-	12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	*
-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	-2.7		-1.3		0.3		3.1		6.5		10.5		11.7		11.2		8.5		4.4		1.2		-1.4		4.3		
S.D.	3.8		4.5		2.7		2.3		2.6		2.2		2.2		2.6		2.0		2.7		2.4		3.4		5.8		
TOTAL	4331		3992		4285		4204		4349		4234		4398		4510		4082		4921		4955		5134		53395		
MAX	5.7		6.1		9.3		11.7		18.4		19.4		29.4		23.2		19.2		12.2		6.6		7.9		29.4		
DATE	2001010310		2001022207		1998032201		2000041600		2001052805		2001062823		1999070404		2001082122		1999092205		1998100101		1999111321		1999122705		1999070404		
MIN	-13.6		-19.3		-9.7		-2.2		-0.7		5.4		6.0		5.4		3.0		-2.7		-7.4		-12.0		-19.3		
DATE	1999013014		1999020420		1999030910		1999040816		2001050511		1998060113		2001070915		1998082811		1998092913		1997102723		2001110910		2001121819		1999020420		

(* < 0.05% , # = 100.0%)

STATION: MRKA2

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (9/1997 - 12/2001) (53324 RECORDS, 97.9% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
1056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	#	15	#
1055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	997	17	999

970	2	13	5	12	-	-	-	-	-	-	-	-	-	4	3	-	-	5	6	-	-	16	3		
969	3	13	7	11	-	-	-	-	-	-	-	-	-	3	2	-	-	3	5	-	-	16	2		
968	4	12	2	9	-	-	-	-	-	-	-	-	-	1	1	-	-	5	5	-	-	12	2		
967	3	11	3	8	-	-	-	-	-	-	-	-	-	2	1	-	-	4	4	-	-	12	2		
966	19	10	2	8	-	-	-	-	-	-	-	-	-	1	*	-	-	5	3	-	-	27	2		
965	10	6	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	9	2	-	-	21	1		
964	11	4	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	1		
963	5	1	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1		
962	-	-	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*		
961	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*		
960	-	-	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	*		
959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*		
MEAN	1003.0		1000.6		1006.0		1010.5		1012.0		1015.8		1016.2		1012.4		1007.4		1004.2		1002.2		1002.0		1007.6
S.D.	13.6		13.2		11.3		9.8		7.3		6.4		5.9		8.3		10.6		10.7		13.0		15.3		12.1
TOTAL	4324		3984		4269		4198		4346		4233		4397		4503		4081		4911		4950		5128		53324
MAX	1032.5		1037.1		1031.2		1030.7		1029.7		1032.5		1030.7		1032.5		1029.1		1027.9		1030.9		1055.8		1055.8
DATE	1999012217		2001021510		2001032119		2000040920		2001052515		2000061521		1999071322		2001080815		2000092023		2001100318		2000110910		1998121822		1998121822
MIN	963.2		959.5		982.7		981.2		989.9		1002.7		999.5		987.3		966.4		974.5		964.5		974.1		959.5
DATE	1999011410		1999020603		2001031117		2000042102		1999050209		1999062818		2001070618		1998082901		1999092218		2000100721		1997112708		1999120116		1999020603

(* < 0.05% , # = 100.0%)

STATION: MRKA2

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (9/1997 - 12/2001) (53357 RECORDS, 98.0% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
43	1	#	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#
42	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
40	1	999	4	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999
39	3	999	1	999	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	999
38	7	998	-	-	5	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	999
37	7	997	2	998	2	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	999
36	17	995	1	998	8	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	999
35	23	991	3	998	6	996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	999
34	14	986	3	997	8	995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	998
33	34	983	6	996	15	993	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	56	998
32	48	975	5	995	6	989	-	-	1	#	-	-	-	-	-	1	999	-	-	-	-	-	-	1	#	62	997
31	31	964	7	993	12	988	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	-	1	999	53	996	
30	24	957	3	992	12	985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	40	995	
29	26	951	-	-	14	982	-	-	2	999	-	-	-	-	-	-	-	-	-	3	#	-	-	5	999	50	994
28	26	945	10	991	10	979	-	-	-	-	1	999	-	-	1	999	-	-	5	999	-	-	1	998	54	993	
27	18	939	2	988	6	977	-	-	-	-	1	999	-	-	4	999	-	-	4	998	-	-	4	998	39	992	
26	21	935	11	988	16	975	-	-	1	999	1	999	-	-	3	998	-	-	10	998	-	-	5	997	68	991	
25	25	930	23	985	13	972	1	#	3	999	6	999	5	#	2	998	1	#	15	996	-	-	7	996	101	990	
24	19	924	23	979	9	969	-	-	5	998	7	997	2	999	3	997	1	999	8	992	1	#	6	995	84	988	
23	42	920	23	974	18	966	3	999	3	997	12	996	5	998	8	997	-	-	18	991	2	999	13	994	147	986	
22	36	910	46	968	24	962	6	999	7	997	14	993	4	997	6	995	2	999	17	987	6	999	30	991	198	984	
21	38	902	50	956	28	957	7	998	3	995	15	990	21	996	12	994	8	999	31	984	4	998	34	985	251	980	
20	42	893	59	944	16	950	15	996	11	994	14	986	11	992	26	991	10	997	32	977	10	997	31	979	277	975	
19	58	883	76	929	31	946	25	992	28	992	47	983	41	989	45	985	11	995	52	971	25	995	71	973	510	970	
18	65	870	58	910	32	939	21	986	30	985	65	972	59	980	75	975	22	992	71	960	37	990	101	959	636	960	
17	95	855	68	896	35	932	29	981	43	978	69	956	96	966	75	959	21	987	84	946	40	983	107	939	762	949	
16	136	833	59	879	52	924	33	975	49	969	117	940	117	945	98	942	63	981	93	929	73	975	179	918	1069	934	
15	200	801	95	864	72	911	28	967	55	957	115	912	144	918	124	920	64	966	112	910	110	960	207	882	1326	914	
14	249	755	118	840	64	895	42	960	82	945	125	885	125	886	99	893	64	950	137	887	148	938	227	841	1480	889	
13	284	698	181	810	81	880	53	950	110	926	180	856	185	857	111	871	64	935	213	859	184	908	358	797	2004	862	
12	355	632	292	765	169	861	87	937	148	900	245	813	214	815	151	846	103	919	334	816	368	871	529	726	2995	824	
11	348	550	367	692	299	822	128	917	156	866	196	756	198	767	171	813	128	894	355	748	546	797	483	622	3375	768	
10	306	469	411	600	334	752	194	886	236	831	216	709	172	722	229	775	198	862	403	676	673	687	536	526	3908	705	
9	386	398	519	497	537	674	376	840	326	776	284	658	233	683	316	724	315	814	514	595	764	551	501	421	5071	631	
8	359	309	511	367	562	549	504	751	418	701	289	591	325	630	420	654	444	737	632	490	750	397	433	322	5647	536	
7	265	226	350	239	474	418	588	631	391	605	331	523	337	557	435	560	495	628	523	362	504	245	309	236	5002	431	
6	231	165	234	152	395	308	591	491	443	516	341	445	406	480	499	464	506	507	489	256	340	144	289	175	4764	337	
5	193	111	147	93	373	216	563	350	487	414	398	365	532	388	526	353	580	383	342	156	182	75	236	118	4559	248	
4	108	67	92	56	208	129	310	216	383	302	368	271	461	268	452	237	363	241	181	87	92	38	160	72	3178	162	
3	89	42	53	33	138	80	237	142	320	214	284	184	310	163	264	136	276	152	115	50	59	20	93	40	2238	103	
2	45	21	42	20	112	48	186	86	312	140	271	117	235	93	226	78	190	84	75	27	23	8	64	22	1781	61	
1	26	11	18	10	62	22	108	42	186	68	144	53	113	40	88	28	116	38	36	12	14	3	28	9	939	27	
0	21	5	20	5	32	7	67	16	112	26	81	19	63	14	36	8	38	9	21	4	2	*	19	4	512	10	
MEAN	12.2		10.6		9.0		6.9		6.9		8.0		7.8		7.8		6.9		9.3		9.4		10.4		8.8		
S.D.	7.0		5.1		5.6		3.6																				

STATION: MRKA2

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: (9/1997 - 12/2001) (53241 RECORDS, 97.8% 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	
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
52	-	-	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#
51	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
50	3	999	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
48	2	999	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
47	2	999	1	999	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
46	5	998	2	998	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	999
45	11	997	3	998	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	999
44	11	994	3	997	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	999
43	8	992	1	996	6	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	999
42	23	990	2	996	7	996	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	33	999
41	16	985	4	996	6	995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	998
40	23	981	3	995	10	993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	998
39	25	976	2	994	10	991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	997
38	34	970	1	993	8	989	-	-	-	-	-	-	-	-	2	999	-	-	1	#	-	-	1	#	47	996	
37	17	962	5	993	10	987	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	1	999	34	995	
36	24	958	4	992	8	985	-	-	2	#	-	-	-	-	-	-	-	-	1	999	-	-	1	999	40	995	
35	16	952	1	991	16	983	-	-	-	-	-	-	-	-	1	999	-	-	2	999	-	-	4	999	40	994	
34	24	949	5	991	12	979	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	42	993	
33	29	943	6	989	10	976	-	-	1	999	-	-	-	-	4	999	-	-	4	999	-	-	4	999	58	992	
32	15	936	3	988	10	974	-	-	-	-	5	999	-	-	2	998	-	-	6	998	-	-	5	998	46	991	
31	17	933	7	987	11	971	1	#	-	-	3	998	-	-	3	998	-	-	6	997	-	-	2	997	50	990	
30	23	929	14	985	6	969	-	-	2	999	1	998	-	-	-	-	1	#	11	996	1	#	1	996	60	989	
29	15	924	16	982	16	967	-	-	2	999	3	997	-	-	5	997	-	-	11	993	3	999	7	996	78	988	
28	32	920	26	978	11	964	3	999	5	998	1	997	1	#	3	996	2	999	21	991	1	999	10	995	116	987	
27	24	913	23	971	11	961	2	999	5	997	5	996	3	999	1	995	1	999	14	987	2	999	12	993	103	985	
26	35	907	34	966	24	959	8	999	2	996	5	995	3	999	5	995	2	999	23	984	6	999	31	991	178	983	
25	31	899	43	957	17	953	7	997	2	996	11	994	3	998	5	994	10	999	24	979	8	997	32	984	193	979	
24	37	892	48	946	20	949	8	995	3	995	3	991	5	999	3	993	5	996	27	975	8	996	28	978	195	976	
23	40	883	59	934	20	944	8	993	7	994	11	991	7	997	13	992	7	995	43	969	8	994	40	973	263	972	
22	34	874	56	919	23	940	19	991	10	993	10	988	24	995	18	989	10	993	48	960	20	993	58	965	330	967	
21	76	866	65	905	22	934	19	987	18	991	26	986	24	990	21	985	9	991	65	951	24	988	106	953	475	961	
20	51	849	45	889	30	929	20	982	17	986	31	980	30	984	42	981	13	988	59	937	35	984	85	932	458	952	
19	122	837	59	878	50	922	34	977	43	983	73	972	76	977	80	971	38	985	83	925	69	977	134	915	861	943	
18	146	808	57	863	51	910	31	969	47	973	88	955	93	960	83	954	40	976	93	908	97	963	170	889	996	927	
17	159	775	83	849	54	898	29	962	50	962	92	934	112	939	96	935	49	966	123	889	99	943	169	855	1115	909	
16	234	738	98	828	56	886	36	955	65	950	129	913	135	914	105	914	62	954	119	864	133	923	265	822	1437	888	
15	249	683	153	803	69	873	42	946	73	935	128	882	149	883	108	890	59	939	202	840	182	896	297	770	1711	861	
14	229	626	148	765	89	856	47	936	96	919	146	852	143	849	118	866	56	925	173	799	182	859	307	711	1734	828	
13	267	573	228	728	157	836	61	925	127	896	181	817	173	817	125	840	97	911	246	764	356	822	372	650	2390	796	
12	314	511	366	671	239	799	137	911	179	867	232	775	220	777	158	812	123	887	372	714	557	750	560	577	3457	751	
11	290	438	413	579	374	743	206	878	225	826	220	720	171	727	200	777	157	857	361	638	657	638	477	466	3751	686	
10	319	371	439	475	479	655	298	829	306	774	227	668	200	689	264	733	259	818	441	565	629	505	400	372	4261	616	
9	312	297	458	365	460	543	430	758	358	704	275	614	285	643	353	674	368	755	498	475	644	378	353	293	4794	536	
8	259	224	363	250	483	435	596	655	390	621	332	549	309	579	432	596	489	665	562	373	515	247	311	223	5041	446	
7	203	164	208	159	373	322	509	513	409	532	295	471	341	509	443	499	446	545	417	259	293	143	206	162	4143	351	
6	163	117	140	107	288	235	502	392	392	438	346	401	418	431	463	401	494	436	312	174	171	84	201	121	3890	273	
5	139	79	117	72	307	167	432	272	450	347	399	319	539	336	500	298	498	314	242	111	122	49	192	81	3937	200	
4	92	47	73	42	151	96	271	169	342	244	350	225	403	214	401	187	336	192	145	61	67	25	101	43	2732	126	
3	47	26	42	24	113	60	178	104	271	165	246	142	266	123	213	98	204	110	69	32	31	11	64	24	1744	75	
2	34	15	27	13	88	34	148	62	249	103	222	84	172	62	160	50	160	60	58	18	17	5	30	11	1365	42	
1	16	7	10	7	36	13	76	26	144	45	94	32	64	23	46	15	70	21	18	6	5	1	13	5	592	16	
0	14	3	16	4	20	5	35	8	53	12	41	10	38	9	20	4	15	4	12	2	2	*	12	2	278	5	
MEAN	14.2		12.1		10.4		7.8		7.7		8.7		8.5		8.5		7.7		10.8		10.8		12.2		10.0		
S.D.	8.5		6.3		6.8		4.1		4.6		5.2		5.0		4.9		4.1		5.3		3.6		5.1		5.8		
TOTAL	4312		3985		4270		4193		4345		4233		4407		4497		4080		4913		4944		5062		53241		
MAX	51.3		52.3		46.5		31.1		36.4		41.6		28.0		38.7		29.5		38.1		30.3		37.7		52.3		
DATE	1998010406	1999021200	1999030520	1999040718	2000051016	1999060508	1999070522	2000081504	1999092217	1997100805	1999111614	2001120418	1999021200														
MIN	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
DATE	2001012800	2000022103	2001031317	2001041516	2001052201	2001062206	2000073021	2001082320	2001091819	2001102306	1997112301	2000121108	2001102306														

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: MRKA2
(A) TOTAL STDNET RECORDS READ = 54456
(B) TOTAL CWINN RECORDS READ = 0
(C

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	53395	0	0	0	53324	53357	53241	0	0	0	0	0
(E) ELEMENT OUT OF RANGE	1061	54456	54456	54456	1132	1099	1215	0	54456	54456	54456	54456

STATION: MRKA2 -- POR (9/1997 - 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
1997	MEAN	-	-	-	-	-	-	-	-	7.6	4.2	2.0	-0.4	2.5
	MAXIMUM	-	-	-	-	-	-	-	-	13.4	11.5	6.0	6.0	13.4
	DAY-HR	-	-	-	-	-	-	-	-	23-04	09-05	06-07	24-13	SEP
	MINIMUM	-	-	-	-	-	-	-	-	3.2	-2.7	-3.4	-6.2	-6.2
	DAY-HR	-	-	-	-	-	-	-	-	30-16	27-23	25-23	16-15	DEC
	# OBS	-	-	-	-	-	-	-	-	520	1242	1400	1462	4624
1998	MEAN	-2.4	1.3	1.3	3.5	6.2	9.9	11.6	10.2	8.3	4.9	1.3	-1.7	4.6
	MAXIMUM	4.8	5.4	9.3	10.8	11.6	16.1	17.2	18.8	12.7	12.2	6.1	2.9	18.8
	DAY-HR	19-01	02-00	22-01	23-23	29-20	26-01	20-02	01-05	06-00	01-01	04-10	01-09	AUG
	MINIMUM	-10.8	-1.9	-4.4	-0.6	0.1	5.4	7.2	5.4	3.0	-2.0	-6.0	-8.7	-10.8
	DAY-HR	06-11	08-13	04-19	14-19	04-08	01-13	18-16	28-11	29-13	27-16	27-10	30-00	JAN
	# OBS	1434	1325	1427	1382	1399	1373	1460	1568	1421	1483	1434	1471	17177
1999	MEAN	-4.1	-5.2	-0.8	2.6	6.6	11.0	12.6	12.1	8.6	4.3	0.3	-2.4	4.1
	MAXIMUM	4.0	3.3	4.3	10.6	14.4	18.1	29.4	19.1	19.2	8.8	6.6	7.9	29.4
	DAY-HR	24-09	15-19	20-23	25-02	15-23	05-22	04-04	29-03	22-05	07-05	13-21	27-05	JUL
	MINIMUM	-13.6	-19.3	-9.7	-2.2	0.2	5.7	8.2	6.5	3.6	-1.3	-5.4	-11.6	-19.3
	DAY-HR	30-14	04-20	09-10	08-16	01-06	03-14	22-15	24-15	26-16	31-12	29-03	31-10	FEB
	# OBS	1474	1314	1425	1420	1484	1438	1462	1463	713	734	702	732	14361
2000	MEAN	-3.9	-0.4	0.7	3.3	7.3	10.4	10.8	11.5	9.1	4.6	1.7	0.5	4.7
	MAXIMUM	2.4	5.1	5.3	11.7	15.2	16.2	15.6	21.3	16.4	12.0	6.4	5.9	21.3
	DAY-HR	31-22	02-20	16-01	16-00	29-00	25-03	27-06	09-02	01-04	07-22	04-04	31-01	AUG
	MINIMUM	-11.5	-4.5	-3.4	-0.6	0.9	6.1	7.5	7.1	5.2	-0.8	-1.1	-5.1	-11.5
	DAY-HR	14-12	15-18	09-16	10-15	05-12	01-12	20-13	25-16	28-08	30-08	30-22	03-04	JAN
	# OBS	707	689	732	709	739	716	743	744	718	730	716	742	8685
2001	MEAN	0.7	0.1	0.1	3.0	6.1	11.0	11.0	11.6	8.8	3.6	-0.1	-4.0	4.4
	MAXIMUM	5.7	6.1	5.3	10.6	18.4	19.4	15.4	23.2	14.7	11.2	6.1	7.6	23.2
	DAY-HR	03-10	22-07	18-02	29-23	28-05	28-23	20-04	21-22	30-02	01-04	04-00	27-12	AUG
	MINIMUM	-3.5	-6.2	-6.5	-1.9	-0.7	6.7	6.0	6.4	5.1	-2.2	-7.4	-12.0	-12.0
	DAY-HR	11-21	25-13	23-16	02-14	05-11	06-18	09-15	25-17	30-16	29-16	09-10	18-19	DEC
	# OBS	716	664	701	693	727	707	733	735	710	732	703	727	8548
POR	MEAN	-2.7	-1.3	0.3	3.1	6.5	10.5	11.7	11.2	8.5	4.4	1.2	-1.4	4.3
	MAXIMUM	5.7	6.1	9.3	11.7	18.4	19.4	29.4	23.2	19.2	12.2	6.6	7.9	29.4
	YEAR	2001	2001	1998	2000	2001	2001	1999	2001	1999	1998	1999	1999	JUL/1999
	MINIMUM	-13.6	-19.3	-9.7	-2.2	-0.7	5.4	6.0	5.4	3.0	-2.7	-7.4	-12.0	-19.3
	YEAR	1999	1999	1999	1999	2001	1998	2001	1998	1998	1997	2001	2001	FEB/1999
	# OBS	4331	3992	4285	4204	4349	4234	4398	4510	4082	4921	4955	5134	53395

STATION: MRKA2 -- POR (9/1997 - 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
1997	MEAN	-	-	-	-	-	-	-	-	1000.7	1005.5	1001.2	995.2	1000.4
	MAXIMUM	-	-	-	-	-	-	-	-	1015.6	1023.8	1023.2	1020.2	1023.8
	DAY-HR	-	-	-	-	-	-	-	-	20-23	18-19	07-19	31-21	OCT
	MINIMUM	-	-	-	-	-	-	-	-	975.5	974.7	964.5	975.2	964.5
	DAY-HR	-	-	-	-	-	-	-	-	23-06	30-15	27-08	01-12	NOV
	# OBS	-	-	-	-	-	-	-	-	520	1242	1399	1463	4624
1998	MEAN	1001.4	995.1	1010.5	1010.0	1013.6	1018.4	1016.0	1012.6	1009.5	1005.2	1002.0	1006.3	1008.4
	MAXIMUM	1026.7	1016.9	1030.2	1030.3	1028.6	1032.5	1030.6	1030.1	1027.9	1022.0	1024.6	1055.8	1055.8
	DAY-HR	08-11	27-23	04-13	09-19	31-23	01-13	27-10	02-22	22-08	11-11	08-10	18-22	DEC
	MINIMUM	981.7	974.7	983.3	993.7	1000.9	1004.6	1003.9	987.3	990.5	983.0	973.0	975.2	973.0
	DAY-HR	30-04	21-12	25-13	06-03	22-11	24-19	11-03	29-01	01-02	24-19	20-23	12-19	NOV
	# OBS	1432	1324	1427	1382	1398	1373	1460	1568	1420	1480	1432	1470	17166
1999	MEAN	1005.2	995.6	1002.2	1011.3	1010.6	1012.5	1017.4	1011.2	1008.9	1002.2	998.8	1001.8	1007.3
	MAXIMUM	1032.5	1016.2	1025.3	1029.5	1025.1	1023.1	1030.7	1022.8	1028.9	1027.8	1013.3	1029.0	1032.5
	DAY-HR	22-17	20-12	05-23	14-11	29-08	14-11	13-22	01-01	30-10	01-10	28-07	25-00	JAN

	MINIMUM	963.2	959.5	982.8	983.8	989.9	1002.7	1000.2	996.1	966.4	980.5	979.4	974.1	959.5
	DAY-HR	14-10	06-03	11-22	11-17	02-09	28-18	28-04	28-13	22-18	26-10	19-23	01-16	FEB
	# OBS	1474	1312	1421	1420	1484	1437	1461	1456	713	734	702	731	14345
2000	MEAN	1005.9	1008.2	1004.3	1011.2	1013.6	1016.6	1015.0	1015.2	1008.5	1003.7	1008.0	1011.2	1010.2
	MAXIMUM	1029.7	1029.3	1021.8	1030.7	1029.2	1032.5	1026.2	1026.8	1029.1	1026.8	1030.9	1031.3	1032.5
	DAY-HR	14-05	03-20	05-22	09-20	31-23	15-21	15-21	02-11	20-23	04-10	09-10	12-02	JUN
	MINIMUM	971.0	978.8	982.9	981.2	995.1	1005.7	1000.4	999.5	987.2	974.5	980.3	989.2	971.0
	DAY-HR	31-18	01-00	03-12	21-02	22-05	13-06	28-01	22-05	07-01	07-21	24-18	25-17	JAN
	# OBS	707	689	732	709	739	716	743	744	718	728	716	741	8682
2001	MEAN	998.5	1013.9	1006.2	1009.3	1010.3	1016.5	1015.6	1011.5	1005.5	1002.3	1002.0	997.9	1007.4
	MAXIMUM	1018.4	1037.1	1031.2	1026.0	1029.7	1027.0	1023.2	1032.5	1027.5	1027.9	1030.0	1017.0	1037.1
	DAY-HR	16-14	15-10	21-19	15-10	25-15	16-12	02-23	08-15	09-09	03-18	27-04	30-13	FEB
	MINIMUM	970.6	968.9	982.7	983.2	993.4	1005.3	999.5	992.2	985.7	980.2	976.0	981.4	968.9
	DAY-HR	07-21	27-16	11-17	29-21	03-07	03-01	06-18	20-18	24-22	12-10	01-17	20-23	FEB
	# OBS	711	659	689	687	725	707	733	735	710	727	701	723	8507
POR	MEAN	1003.0	1000.6	1006.0	1010.5	1012.0	1015.8	1016.2	1012.4	1007.4	1004.2	1002.2	1002.0	1007.6
	MAXIMUM	1032.5	1037.1	1031.2	1030.7	1029.7	1032.5	1030.7	1032.5	1029.1	1027.9	1030.9	1055.8	1055.8
	YEAR	1999	2001	2001	2000	2001	2000	1999	2001	2000	2001	2000	1998	DEC/1998
	MINIMUM	963.2	959.5	982.7	981.2	989.9	1002.7	999.5	987.3	966.4	974.5	964.5	974.1	959.5
	YEAR	1999	1999	2001	2000	1999	1999	2001	1998	1999	2000	1997	1999	FEB/1999
	# OBS	4324	3984	4269	4198	4346	4233	4397	4503	4081	4911	4950	5128	53324

STATION: MRKA2 -- POR (9/1997 - 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
1997	MEAN	-	-	-	-	-	-	-	-	7.1	11.0	8.3	9.0	9.1
	MAXIMUM	-	-	-	-	-	-	-	-	17.7	29.0	22.2	26.6	29.0
	DAY-HR	-	-	-	-	-	-	-	-	23-02	11-10	27-00	29-15	OCT
	MINIMUM	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	29-03	04-05	23-01	05-23	DEC
	# OBS	-	-	-	-	-	-	-	-	520	1241	1401	1434	4596
1998	MEAN	13.1	9.2	7.7	6.2	6.0	7.6	7.7	7.1	6.5	8.6	9.0	10.6	8.3
	MAXIMUM	43.0	18.3	17.9	20.4	23.9	21.0	24.9	22.2	22.2	21.0	17.5	26.0	43.0
	DAY-HR	04-02	20-00	11-14	28-08	22-21	25-00	06-09	17-14	30-14	08-09	15-23	28-12	JAN
	MINIMUM	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	0.0	0.0
	DAY-HR	28-19	26-05	30-18	28-21	30-21	28-20	25-22	23-09	26-08	26-07	19-20	16-11	DEC
	# OBS	1435	1323	1427	1380	1399	1373	1460	1567	1420	1483	1429	1472	17168
1999	MEAN	13.0	13.9	10.7	7.8	7.5	8.6	9.0	8.4	6.8	8.2	11.0	11.2	9.7
	MAXIMUM	37.7	42.8	38.9	25.3	22.0	31.3	25.1	32.5	21.2	24.5	24.1	28.8	42.8
	DAY-HR	29-04	12-00	05-18	07-18	19-02	05-08	06-00	28-12	22-15	21-20	16-14	22-23	FEB
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
	DAY-HR	16-17	19-15	27-01	28-15	31-05	29-19	30-23	27-00	27-01	14-19	18-02	28-06	DEC
	# OBS	1469	1316	1424	1419	1485	1438	1476	1461	713	734	702	711	14348
2000	MEAN	13.1	7.8	7.6	6.9	7.4	6.8	6.7	8.1	7.6	8.9	8.8	9.6	8.3
	MAXIMUM	35.2	22.2	24.1	16.7	32.3	17.9	18.7	31.5	24.5	21.6	20.2	20.2	35.2
	DAY-HR	11-14	02-21	27-20	22-12	10-16	25-04	08-00	15-04	29-08	22-04	07-11	02-07	JAN
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
	DAY-HR	28-03	21-03	30-19	30-05	18-07	22-01	30-21	28-21	10-01	09-08	23-03	11-08	DEC
	# OBS	702	689	732	709	739	716	743	744	718	732	717	742	8683
2001	MEAN	7.7	9.5	9.7	6.2	6.7	8.6	6.7	7.6	6.9	9.2	11.1	13.0	8.5
	MAXIMUM	23.3	38.7	39.1	20.6	25.1	25.3	18.7	23.1	21.4	29.4	19.2	31.5	39.1
	DAY-HR	03-11	13-16	19-06	01-00	01-18	03-01	10-00	21-02	05-01	26-19	29-18	05-02	MAR
	MINIMUM	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.7	0.0
	DAY-HR	28-00	01-17	13-17	15-16	22-01	22-06	12-01	31-22	18-19	23-06	16-20	21-06	OCT
	# OBS	718	666	709	694	728	712	735	735	712	735	708	710	8562
POR	MEAN	12.2	10.6	9.0	6.9	6.9	8.0	7.8	7.8	6.9	9.3	9.4	10.4	8.8
	MAXIMUM	43.0	42.8	39.1	25.3	32.3	31.3	25.1	32.5	24.5	29.4	24.1	31.5	43.0
	YEAR	1998	1999	2001	1999	2000	1999	1999	1999	2000	2001	1999	2001	JAN/1998
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	2001	2000	2001	2001	2001	2001	2001	2001	2001	2001	1997	2000	OCT/2001
	# OBS	4324	3994	4292	4202	4351	4239	4414	4507	4083	4925	4957	5069	53357

STATION: MRKA2 -- POR (9/1997 - 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
1997	MEAN	-	-	-	-	-	-	-	-	7.9	13.0	9.5	10.6	10.6
	MAXIMUM	-	-	-	-	-	-	-	-	24.1	38.1	28.6	30.3	38.1
	DAY-HR	-	-	-	-	-	-	-	-	23-03	08-05	27-00	29-15	OCT
	# OBS	-	-	-	-	-	-	-	-	520	1241	1401	1432	4594
1998	MEAN	15.3	10.3	8.7	7.1	6.7	8.3	8.4	7.9	7.2	9.9	10.4	12.5	9.4
	MAXIMUM	51.3	20.0	20.2	28.2	27.8	22.2	26.6	25.5	25.9	26.0	21.8	32.1	51.3
	DAY-HR	04-06	07-19	11-14	28-10	22-23	19-07	06-09	17-14	30-13	06-02	15-23	28-08	JAN
	# OBS	1434	1322	1427	1380	1397	1373	1458	1562	1418	1482	1425	1472	17150
1999	MEAN	15.3	16.4	12.6	8.9	8.3	9.4	9.9	9.1	7.6	9.6	12.9	13.1	11.1
	MAXIMUM	45.5	52.3	46.5	31.1	23.1	41.6	28.0	37.9	29.5	30.3	30.3	36.7	52.3
	DAY-HR	29-03	12-00	05-20	07-18	19-02	05-08	05-22	28-12	22-17	21-17	16-14	22-23	FEB
	# OBS	1469	1315	1422	1417	1484	1435	1475	1458	713	734	702	710	14334
2000	MEAN	15.5	8.5	8.5	7.7	8.4	7.5	7.3	9.0	8.6	10.4	9.9	11.0	9.3
	MAXIMUM	45.1	26.0	27.4	19.1	36.4	20.2	19.6	38.7	28.0	27.8	22.4	24.5	45.1
	DAY-HR	12-02	02-21	27-20	22-10	10-16	25-04	08-00	15-04	29-17	22-05	07-11	02-00	JAN
	# OBS	702	689	732	709	739	716	743	744	718	729	715	741	8677
2001	MEAN	8.6	11.1	11.3	7.0	7.7	9.3	7.3	8.3	7.5	10.7	12.8	15.2	9.7
	MAXIMUM	24.1	49.6	40.2	22.4	28.8	26.6	20.6	30.9	23.7	34.8	24.3	37.7	49.6
	DAY-HR	03-12	13-16	18-22	01-00	04-18	03-01	09-23	22-01	05-01	26-19	13-20	04-18	FEB
	# OBS	707	659	689	687	725	709	731	733	711	727	701	707	8486
POR	MEAN	14.2	12.1	10.4	7.8	7.7	8.7	8.5	8.5	7.7	10.8	10.8	12.2	10.0
	MAXIMUM	51.3	52.3	46.5	31.1	36.4	41.6	28.0	38.7	29.5	38.1	30.3	37.7	52.3
	YEAR	1998	1999	1999	1999	2000	1999	1999	2000	1999	1997	1999	2001	FEB/1999
	# OBS	4312	3985	4270	4193	4345	4233	4407	4497	4080	4913	4944	5062	53241

STATION: MRKA2

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

Month: JAN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.3	*	*	-	-	*	*	-	-	-	-	-	-	-	0.5	21
1 - 3		0.7	1.1	0.9	0.6	0.2	0.2	0.2	0.1	0.1	*	0.1	*	4.2	183	
4 - 6		1.7	5.7	2.8	0.9	-	*	*	0.1	-	-	0.1	0.3	11.8	509	
7 - 10		3.4	19.0	8.1	0.7	-	0.1	0.3	0.2	*	-	-	0.1	31.9	1380	
11 - 15		2.2	19.7	8.8	0.4	-	-	0.2	0.2	0.1	-	-	0.2	31.7	1372	
16 - 20		1.4	4.6	2.6	0.1	-	*	*	0.1	0.1	-	-	0.2	9.2	396	
21 - 24		0.7	0.9	1.4	*	-	-	-	0.1	-	-	-	0.1	3.2	138	
25 - 33		0.1	0.4	4.9	0.3	-	-	-	*	-	-	-	*	5.8	250	
34 - 47		-	-	1.3	0.4	-	-	-	-	-	-	-	-	1.7	75	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.3	10.3	51.4	30.8	3.5	0.3	0.4	0.8	0.8	0.3	0.0	0.2	0.9	100.0		
TOTAL N	15	445	2222	1331	150	12	17	34	34	13	2	9	40		4324	

(* < 0.05%)

STATION: MRKA2

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

Month: FEB

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	0.1	-	-	-	-	*	-	-	-	*	*	-	0.5	20
1 - 3		0.5	0.9	0.6	0.5	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	3.4	136
4 - 6		1.4	5.5	3.4	0.5	*	*	0.1	0.2	*	*	0.1	0.2	11.3	450
7 - 10		4.1	27.4	14.0	1.0	0.1	*	0.2	0.2	*	-	*	0.1	46.9	1875
11 - 15		2.5	13.8	7.2	0.1	-	*	0.3	0.2	0.1	-	-	0.1	24.3	969
16 - 20		1.2	2.2	4.0	0.1	-	*	0.2	0.2	*	-	-	0.1	8.0	320
21 - 24		0.4	1.4	1.9	-	-	-	-	0.1	-	-	-	-	3.8	151
25 - 33		0.2	0.5	0.7	*	-	-	-	-	-	-	-	-	1.5	58
34 - 47		0.1	-	0.3	-	-	-	-	-	-	-	-	-	0.4	15
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	10.3	51.7	32.0	2.2	0.2	0.3	0.7	0.9	0.2	0.1	0.2	0.7	100.0	
TOTAL N	15	413	2065	1280	87	9	11	29	34	9	5	9	28		3994

(* < 0.05%)

STATION: MRKA2

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

Month: MAR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	0.1	*	-	-	*	*	-	*	-	-	-	*	0.7	32
1 - 3		1.1	2.1	1.9	1.0	0.5	0.2	0.2	0.2	0.2	0.1	0.2	0.3	8.1	347
4 - 6		2.5	10.9	6.3	1.2	0.1	0.1	0.2	0.2	0.1	*	0.1	0.1	21.9	940
7 - 10		2.7	27.9	13.5	0.9	*	*	0.3	0.3	0.1	*	-	*	45.9	1971
11 - 15		1.6	7.3	4.4	0.3	-	-	0.2	0.3	0.2	-	-	*	14.5	621
16 - 20		0.8	0.7	1.7	0.1	-	-	*	0.2	0.2	-	-	*	3.9	166
21 - 24		0.3	0.5	0.7	0.1	-	-	-	0.1	*	-	-	*	1.9	81
25 - 33		0.5	0.5	1.1	0.3	-	-	-	-	-	-	-	0.1	2.4	102
34 - 47		0.1	-	0.6	-	-	-	-	-	-	-	-	-	0.7	31
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	9.7	50.0	30.2	4.0	0.7	0.4	1.0	1.5	0.8	0.2	0.3	0.8	100.0	
TOTAL N	20	418	2147	1296	173	28	18	43	63	33	7	12	33		4291

(* < 0.05%)

STATION: MRKA2

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

Month: APR

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	0.2	*	0.1	0.1	0.1	0.1	0.1	*	*	*	*	-	1.6	67
1 - 3		1.4	3.0	2.9	1.9	0.6	0.6	1.0	1.0	0.5	0.5	0.3	0.4	14.1	594
4 - 6		2.4	14.5	10.6	2.5	0.1	*	0.6	1.8	0.4	0.1	*	0.4	33.3	1401
7 - 10		3.5	20.7	10.1	1.0	*	0.1	0.9	3.2	0.6	-	-	0.2	40.3	1694
11 - 15		0.9	1.8	0.6	*	-	-	1.0	2.1	0.7	*	-	*	7.3	306
16 - 20		0.4	0.1	0.6	*	-	-	0.2	0.9	0.7	-	-	*	2.9	123
21 - 24		0.1	*	0.1	*	-	-	-	0.1	-	-	-	-	0.4	16
25 - 33		-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	8.9	40.1	24.9	5.4	0.9	0.8	3.8	9.1	3.0	0.7	0.4	1.0	100.0	
TOTAL N	34	374	1687	1048	228	38	34	158	384	128	30	16	43		4202

(* < 0.05%)

STATION: MRKA2

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

Month: MAY

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.1	0.4	*	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.6	112
1 - 3		1.3	3.4	3.9	3.1	1.4	1.3	1.7	1.9	1.1	0.7	0.3	0.6	20.6	897
4 - 6		1.8	11.3	6.3	2.2	0.1	0.3	1.3	3.5	1.3	0.2	*	0.2	28.4	1234
7 - 10		2.0	12.2	4.9	0.6	*	0.1	2.9	8.8	0.8	*	-	0.1	32.4	1410
11 - 15		0.6	1.2	0.6	*	-	*	2.0	6.9	0.3	-	-	0.1	11.8	512
16 - 20		0.3	0.2	*	-	-	*	0.2	2.9	0.1	-	-	0.1	3.7	161
21 - 24		0.1	-	0.1	-	-	-	-	0.2	*	-	-	*	0.4	18
25 - 33		0.1	-	*	-	-	-	-	*	*	-	-	-	0.2	7
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.1	6.6	28.3	15.9	6.1	1.7	1.8	8.2	24.3	3.6	1.0	0.3	1.1	100.0	
TOTAL N	46	285	1231	693	267	76	77	357	1056	156	42	15	50		4351

(* < 0.05%)

STATION: MRKA2

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

Month: JUN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.9	0.4	0.1	*	0.1	0.1	*	0.1	*	-	0.1	*	*	1.9	81
1 - 3		1.8	4.6	4.2	2.6	0.7	0.4	0.8	0.9	0.7	0.5	0.3	0.5	18.2	770
4 - 6		2.1	11.7	4.8	0.8	0.1	0.1	0.7	2.9	0.9	0.1	*	0.2	24.4	1036
7 - 10		1.3	10.7	2.0	0.1	-	-	2.3	10.3	0.9	-	-	-	27.6	1168
11 - 15		0.2	0.5	0.2	-	-	-	3.0	15.1	0.2	-	-	-	19.2	813
16 - 20		-	0.1	*	-	-	-	1.3	6.0	-	-	-	-	7.4	312
21 - 24		*	0.2	0.1	-	-	-	0.1	0.7	-	-	-	-	1.2	49
25 - 33		0.1	*	0.1	-	-	-	-	*	-	-	-	-	0.2	10
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.9	6.0	28.0	11.5	3.5	0.8	0.6	8.2	35.9	2.8	0.7	0.4	0.7	100.0	
TOTAL N	38	254	1186	487	150	36	26	346	1522	118	29	16	31		4239

(* < 0.05%)

TOTAL %	0.3	18.3	42.4	28.4	5.2	0.5	0.4	0.8	1.4	0.3	0.1	0.1	1.7	100.0	
TOTAL N	13	901	2091	1399	254	27	21	37	71	16	7	7	82		4926

(* < 0.05%)

STATION: MRKA2

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

Month: NOV

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	2
1 - 3		0.3	0.6	0.6	0.3	0.1	*	*	*	-	*	-	0.1	2.1	106	
4 - 6		1.4	5.3	4.2	1.0	0.1	-	0.1	*	-	-	-	0.1	12.2	603	
7 - 10		5.5	33.6	14.9	2.1	-	-	0.1	*	-	-	-	0.2	56.5	2799	
11 - 15		3.2	14.0	7.3	0.4	-	*	-	0.1	*	-	-	0.1	25.2	1248	
16 - 20		0.9	1.5	1.2	*	-	-	*	*	*	-	-	*	3.7	185	
21 - 24		0.2	0.1	-	-	-	-	-	-	-	-	-	*	0.3	13	
25 - 33		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.0	11.4	55.1	28.4	3.9	0.2	0.1	0.2	0.2	0.1	0.0	0.0	0.4	100.0		
TOTAL N	2	566	2729	1406	191	8	4	12	11	3	2	0	22		4956	

(* < 0.05%)

STATION: MRKA2

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

Month: DEC

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	0.1	*	-	-	*	*	-	-	-	-	-	-	0.4	19
1 - 3		0.6	0.8	0.7	0.7	0.3	0.1	0.3	0.2	0.1	0.1	0.1	0.4	4.3	218
4 - 6		1.8	4.7	3.1	1.6	0.2	0.2	0.3	0.3	0.1	0.1	0.1	0.3	12.9	652
7 - 10		4.9	18.7	9.6	2.1	*	0.1	0.6	0.7	0.1	-	*	0.2	37.0	1876
11 - 15		4.0	17.9	9.3	0.9	-	0.1	0.5	0.6	0.2	*	*	0.2	33.7	1707
16 - 20		1.7	3.0	3.6	0.2	-	*	0.2	0.3	0.2	-	-	0.4	9.6	489
21 - 24		0.2	0.3	0.8	*	-	-	-	0.2	0.1	*	-	0.1	1.6	83
25 - 33		-	*	0.3	*	-	-	-	0.1	0.1	-	-	*	0.5	25
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	13.3	45.3	27.3	5.5	0.5	0.6	1.8	2.4	0.9	0.2	0.3	1.5	100.0	
TOTAL N	11	675	2297	1385	280	27	28	93	123	47	12	13	78		5069

(* < 0.05%)

STATION: MRKA2

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

All Months: Annual

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	0.1	0.1	*	*	0.1	*	*	*	*	*	*	*	1.0	512
1 - 3		1.2	2.9	2.2	1.2	0.4	0.3	0.5	0.5	0.3	0.3	0.2	0.4	10.4	5566
4 - 6		2.6	10.5	5.6	1.2	0.1	0.1	0.4	1.1	0.4	0.1	0.1	0.2	22.3	11891
7 - 10		3.7	19.9	8.6	1.0	*	*	1.1	3.3	0.3	*	*	0.1	38.2	20364
11 - 15		1.9	7.5	4.1	0.3	-	*	1.4	4.0	0.2	*	*	0.1	19.6	10444
16 - 20		0.9	1.2	1.4	0.1	-	*	0.5	1.8	0.1	-	-	0.1	6.1	3254
21 - 24		0.2	0.3	0.5	*	-	-	*	0.2	*	*	-	*	1.3	705
25 - 33		0.1	0.1	0.6	0.1	-	-	-	*	*	-	-	*	0.9	498
34 - 47		*	-	0.2	*	-	-	-	-	-	-	-	-	0.2	121
> 48		-	*	*	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.5	10.8	42.5	23.1	3.9	0.6	0.5	4.0	10.9	1.4	0.4	0.3	1.1	100.0	
TOTAL N	261	5754	22656	12348	2077	327	278	2118	5816	765	210	178	570		53358

(* < 0.05%)

STATION: MRKA2

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	0.1	*	-	-	*	*	-	-	-	*	*	-	0.4	60
1 - 3		0.6	0.9	0.7	0.6	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	4.0	537
4 - 6		1.6	5.3	3.1	1.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.3	12.0	1611
7 - 10		4.2	21.4	10.4	1.3	*	0.1	0.4	0.4	*	-	*	0.1	38.3	5131
11 - 15		2.9	17.2	8.5	0.5	-	*	0.3	0.4	0.1	*	*	0.1	30.2	4048
16 - 20		1.5	3.3	3.4	0.1	-	*	0.1	0.2	0.1	-	-	0.2	9.0	1205
21 - 24		0.4	0.8	1.3	*	-	-	-	0.1	*	*	-	0.1	2.8	372

25 - 33	0.1	0.3	1.9	0.1	-	-	-	0.1	*	-	-	*	2.5	333
34 - 47	*	-	0.5	0.1	-	-	-	-	-	-	-	-	0.7	90
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	11.5	49.2	29.8	3.9	0.4	0.4	1.2	1.4	0.5	0.1	0.2	1.1	100.0
TOTAL N	41	1533	6584	3996	517	48	56	156	191	69	19	31	146	13387

(* < 0.05%)

STATION: MRKA2

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	0.2	*	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	*	*	1.6	211
1 - 3		1.3	2.9	2.9	2.0	0.8	0.7	1.0	1.1	0.6	0.4	0.2	0.4	14.3	1838
4 - 6		2.3	12.2	7.7	2.0	0.1	0.1	0.7	1.8	0.6	0.1	0.1	0.2	27.8	3575
7 - 10		2.7	20.2	9.5	0.8	*	0.1	1.4	4.1	0.5	*	-	0.1	39.5	5075
11 - 15		1.0	3.4	1.9	0.1	-	*	1.1	3.1	0.4	*	-	0.1	11.2	1439
16 - 20		0.5	0.3	0.8	0.1	-	*	0.1	1.3	0.3	-	-	*	3.5	450
21 - 24		0.2	0.2	0.3	*	-	-	-	0.2	*	-	-	*	0.9	115
25 - 33		0.2	0.2	0.4	0.1	-	-	-	*	*	-	-	*	0.9	110
34 - 47		*	-	0.2	-	-	-	-	-	-	-	-	-	0.2	31
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	8.4	39.4	23.6	5.2	1.1	1.0	4.3	11.7	2.5	0.6	0.3	1.0	100.0	
TOTAL N	100	1077	5065	3037	668	142	129	558	1503	317	79	43	126	12844	

(* < 0.05%)

STATION: MRKA2

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.7	0.2	0.1	*	*	*	*	0.1	0.1	-	*	*	*	1.4	180
1 - 3		2.1	5.6	3.7	1.4	0.4	0.2	0.5	0.5	0.6	0.5	0.4	0.6	16.5	2177
4 - 6		3.2	14.5	6.3	0.6	0.1	0.1	0.4	1.9	0.8	0.1	0.1	0.2	28.4	3741
7 - 10		2.2	12.0	2.8	0.2	-	*	2.3	7.9	0.7	-	*	0.1	28.3	3719
11 - 15		0.3	0.7	0.4	*	-	-	3.8	11.5	0.2	-	-	0.1	17.1	2251
16 - 20		0.1	0.1	0.1	-	-	-	1.6	5.3	*	-	-	*	7.3	955
21 - 24		*	0.1	0.1	-	-	-	0.1	0.6	-	-	-	*	0.9	114
25 - 33		0.1	*	*	-	-	-	-	*	-	-	-	-	0.2	23
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	*	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.7	8.3	33.2	13.4	2.3	0.6	0.3	8.8	27.9	2.3	0.6	0.6	1.0	100.0	
TOTAL N	91	1091	4375	1757	301	80	46	1158	3668	299	84	73	138	13161	

(* < 0.05%)

STATION: MRKA2

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.2	0.1	0.1	*	*	*	-	*	*	*	*	*	*	0.4	61
1 - 3		1.0	2.1	1.7	0.8	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.3	7.3	1014
4 - 6		3.1	10.2	5.4	1.3	0.1	0.1	0.2	0.4	0.1	*	0.1	0.3	21.2	2964
7 - 10		5.5	25.7	11.4	1.6	*	*	0.5	1.1	0.1	*	*	0.2	46.1	6439
11 - 15		3.2	8.2	5.3	0.5	-	*	0.5	1.3	0.1	-	-	0.3	19.4	2706
16 - 20		1.5	1.0	1.2	0.2	-	-	0.2	0.3	0.1	-	-	0.1	4.6	644
21 - 24		0.3	0.1	0.3	*	-	-	*	-	*	-	-	*	0.7	104
25 - 33		0.1	*	0.1	-	-	-	-	-	-	-	-	-	0.2	32
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	*	*	-	-	-	-	-	-	-	-	-	0.0	2
TOTAL %	0.2	14.7	47.5	25.5	4.2	0.4	0.3	1.8	3.3	0.6	0.2	0.2	1.1	100.0	
TOTAL N	29	2053	6632	3558	591	57	47	246	454	80	28	31	160	13966	

(* < 0.05%)

Summary complete: 09-Sep-2003 09:48:21