

STATION: LONF1

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (11/1992 - 12/2001) (74175 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	F	CPF
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
32	-	-	-	-	-	-	-	-	-	-	-	-	3	#	16	#	5	#	3	#	-	-	-	-	-	-	27	#
31	-	-	-	-	-	-	-	-	-	-	12	#	146	999	185	998	27	999	4	999	-	-	-	-	-	374	999	
30	-	-	-	-	-	-	-	-	8	#	227	998	1364	977	1904	970	646	995	41	999	-	-	-	-	-	4190	995	
29	-	-	-	-	2	#	-	-	252	999	1530	959	3174	771	2778	688	2704	894	575	993	2	#	-	-	-	11017	938	
28	-	-	1	#	1	999	15	#	1153	958	2605	700	1435	290	1233	277	1855	473	1623	906	39	999	-	-	-	9960	790	
27	1	#	5	999	67	999	227	997	1670	771	1020	257	321	73	374	95	637	184	1535	661	623	994	24	#	6504	655		
26	69	999	70	999	349	988	1314	958	1466	501	327	84	108	24	164	40	325	84	1114	430	1142	904	282	996	6730	568		
25	467	987	425	985	747	929	1462	727	885	263	100	29	36	8	71	15	136	34	883	262	1108	738	970	955	7290	477		
24	886	998	892	903	1065	801	1194	471	420	120	49	12	11	2	27	5	58	12	456	129	1159	577	1134	813	7351	379		
23	756	729	855	731	996	619	651	262	179	52	20	3	2	1	5	1	20	3	247	60	1003	408	910	647	5644	280		
22	582	584	630	566	732	450	372	148	91	23	-	-	2	*	-	-	2	*	106	23	844	263	790	514	4151	203		
21	490	473	495	444	571	325	200	83	30	8	-	-	-	-	-	-	-	-	22	7	392	140	645	398	2845	147		
20	378	380	471	348	370	227	132	48	15	4	-	-	-	-	-	-	-	-	10	4	209	83	520	303	2105	109		
19	351	308	352	257	299	164	71	25	7	1	-	-	-	-	-	-	-	-	5	2	132	53	411	227	1628	81		
18	288	241	251	189	232	113	47	13	-	-	-	-	-	-	-	-	-	-	10	2	97	34	305	167	1230	59		
17	261	186	218	141	125	74	23	4	-	-	-	-	-	-	-	-	-	-	1	*	66	19	299	122	993	42		
16	208	136	183	98	92	52	2	*	-	-	-	-	-	-	-	-	-	-	-	-	36	10	219	79	740	29		
15	152	97	110	63	66	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	5	115	46	461	19		
14	138	68	103	42	57	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	2	81	30	389	13		
13	82	41	31	22	44	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	35	18	196	7		
12	60	26	20	16	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	13	158	5	
11	36	14	27	12	14	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	5	87	3		
10	22	7	10	7	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	4	53	1		
9	15	3	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1	30	1		
8	2	*	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	*	
7	-	-	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	*	
6	-	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	*	
5	-	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	*	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	20.8		21.1		22.1		24.2		26.3		27.9		28.8		28.9		28.3		26.5		23.7		21.6		25.2			
S.D.	3.5		3.2		2.9		1.8		1.5		1.1		1.0		1.1		1.2		1.7		2.3		3.2		3.7			
TOTAL	5244		5174		5862		5710		6176		5890		6602		6757		6415		6635		6884		6826		74175			
MAX	26.5		27.7		28.9		28.4		29.9		31.0		32.2		32.4		32.3		32.0		28.9		27.3		32.4			
DATE	1997010221		1998021917		2001031720		1994042620		1998053115		1998060721		1998070419		2001081519		1999090422		1999100518		1994111120		1998122819		2001081519			
MIN	8.4		4.8		9.6		16.1		19.1		22.6		22.0		22.7		22.2		17.3		12.7		8.6		4.8			
DATE	2001011013		1996020512		1993031512		2000040513		1999050113		2000060915		2001072300		2000082806		1994092811		2001102813		2000112212		1995122514		1996020512			

(* < 0.05% , # = 100.0%)

STATION: LONF1

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (11/1992 - 12/2001) (72939 RECORDS, 96.1% 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	F	CPF
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
34	-	-	-	-	-	-	-	-	-	-	2	#	67	#	45	#	-	-	-	-	-	-	-	-	-	114	#	
33	-	-	-	-	-	-	-	-	-	-	52	999	473	990	465	993	64	#	-	-	-	-	-	-	-	1054	998	
32	-	-	-	-	-	-	-	78	#	572	991	1262	918	1510	924	435	990	15	#	-	-	-	-	-	3872	984		
31	-	-	-	-	-	-	-	401	987	1321	894	1966	727	2035	700	1281	922	210	998	-	-	-	-	-	7214	931		
30	-	-	-	-	-	18	#	1114	922	1781	669	1719	429	1397	398	1939	722	620	966	-	-	-	-	-	8588	832		
29	-	-	-	-	17	#	201	997	1370	742	1331	367	867	169	849	191	1546	420	1103	873	-	-	-	-	7284	714		
28	-	-	-	-	210	997	639	962	1049	520	640	141	213	38	345	65	774	179	1239	706	140	#	-	-	5249	614		
27	-	-	46	#	407	961	1127	850	953	350	174	32	37	6	95	14	306	58	1307	520	788	980	65	#	5305	542		
26	89	#	202	991	540	892	1236	652	568	195	17	3	-	-	-	-	69	11	1015	322	1119	865	191	989	5046	470		
25	294	982	596	952	746	800	997	436	338	103	-	-	-	-	-	-	-	-	730	169	1147	702	773	957	5621	401		
24	604	921	726	837	973	672	785	261	206	48	-	-	-	-	-	-	-	-	279	59	1345	535	1240	829	6158	323		
23	737	797	725	696	866	506	461	124	92	15	-	-	-	-	-	-	-	-	61	17	1162	339	1024	622	5128	239		
22	709	646	715	556	814	359	206	43	-	-	-	-	-	-	-	-	-	-	54	8	681	170	716	451	3895	169		
21	491	501	625	418	617	220	41	7	-	-	-	-	-	-	-	-	-	-	-	-	313	71	601	332	2688	115		
20	572	400	529	297	296	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143	25	671	232	2211	78		
19	567	283	472	195	150	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	5	473	120	1694	48		
18	248	166	297	104	84	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178	41	807	25		
17	175	115	119	46	106	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	12	435	14		
16	234	79	76	23	34	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	6	367	8		
15	142	31	38	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	2	192	3		
14	11	2	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	*		
MEAN	21.0		21.8		23.3		25.6		28.1		29.8		30.7		30.7		29.7		27.3		24.3		22.4		26.4			

S.D.	2.7	2.5	2.5	1.7	1.9	1.3	1.3	1.3	1.3	1.8	1.9	2.2	3.9
TOTAL	4873	5172	5860	5711	6169	5890	6604	6741	6414	6633	6870	6002	72939
MAX	26.3	27.4	29.0	30.1	32.3	33.7	34.4	34.3	33.4	32.1	28.4	27.2	34.4
DATE	1993010900	1994022621	2001031821	1994042622	1999052821	1998060721	1999072819	1998080523	1996090321	1998101221	1995110423	1994120722	1999072819
MIN	14.1	14.2	15.7	20.7	22.5	25.6	26.7	26.5	25.5	21.5	18.8	15.1	14.1
DATE	2001012614	1996020615	1996031214	1998041215	2001051012	1993060114	2001072413	2001080413	2001093013	2001102911	2000112215	1995122918	2001012614

(* < 0.05% , # = 100.0%)

STATION: LONF1

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (11/1992 - 12/2001) (72919 RECORDS, 96.1% 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
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
5	12	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	#
4	29	998	13	#	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	#	74	999
3	192	992	75	997	18	999	-	-	-	-	-	-	-	-	-	-	-	-	3	#	39	#	133	995	460	999
2	514	952	315	983	157	997	12	#	1	#	-	-	1	#	-	-	7	#	31	999	231	994	457	973	1726	993
1	1229	847	851	922	666	970	306	998	24	999	14	#	46	999	76	#	232	999	606	995	1409	961	1309	896	6768	969
0	1096	595	1501	758	1271	856	991	944	467	996	239	998	372	993	468	989	871	963	2074	904	2190	756	1656	678	13196	876
-1	649	370	1081	467	1483	639	1908	771	1758	920	1394	957	1910	936	1939	919	2418	827	2140	591	1690	437	959	402	19329	695
-2	384	236	552	258	1148	386	1459	437	2438	635	2777	720	2433	647	2762	632	1969	450	1188	268	632	191	568	243	18310	430
-3	330	158	354	152	555	190	612	181	1191	240	1215	249	1524	278	1154	222	677	142	401	89	314	99	370	148	8697	179
-4	223	90	218	83	318	96	278	74	199	47	184	42	231	47	225	51	158	37	142	29	169	53	240	86	2585	60
-5	137	44	88	41	159	41	102	25	58	15	48	11	55	12	69	17	64	12	44	7	95	28	138	46	1057	24
-6	40	16	64	24	38	14	23	7	21	5	14	3	14	4	29	7	12	2	4	1	61	14	78	23	398	10
-7	19	8	27	12	19	8	18	3	9	2	3	1	8	2	14	3	2	*	-	-	26	6	45	10	190	4
-8	9	4	12	6	23	5	-	-	2	*	-	-	1	*	4	1	-	-	-	-	4	2	14	3	69	2
-9	8	2	6	4	4	1	-	-	-	-	1	*	1	*	1	*	-	-	-	-	8	1	2	*	31	1
-10	2	*	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	*
-11	-	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	*
-12	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*
MEAN	-0.3		-0.7		-1.2		-1.4		-1.8		-1.9		-1.9		-1.8		-1.4		-0.8		-0.5		-0.5		-1.2	
S.D.	2.0		1.9		1.7		1.3		1.0		0.9		1.0		1.0		1.1		1.1		1.5		1.9		1.5	
TOTAL	4873		5172		5860		5709		6168		5889		6596		6741		6410		6633		6868		6000		72919	
MAX	5.4		4.3		4.3		2.0		1.5		0.9		1.5		1.4		1.7		3.3		3.2		4.4		5.4	
DATE	1999010920	1996022220	1994032016	2000041214	1994052321	1995062313	2001072315	2000082816	1994091516	1999100518	1995112816	1997120920	1999010920													
MIN	-10.0		-11.8		-8.7		-7.3		-7.6		-8.8		-8.5		-9.1		-7.1		-5.8		-9.3		-8.7		-11.8	
DATE	2001012113	1996020507	1996030913	2000040513	1994051912	1994061102	2000072402	2000081522	1996090805	2000100923	1993110113	2000122015	1996020507													

(* < 0.05% , # = 100.0%)

STATION: LONF1

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (11/1992 - 12/2001) (71846 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	F
1033	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	
1032	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	
1031	2	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	
1030	9	999	-	-	5	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	15	999	
1029	12	997	-	-	6	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999	22	999	
1028	25	994	7	#	9	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	5	999	50	999	
1027	52	989	7	998	21	996	9	#	-	-	-	-	-	-	-	-	-	-	-	-	8	999	29	999	126	999	
1026	132	979	29	997	45	992	22	998	-	-	-	-	-	-	-	-	-	-	-	-	24	998	46	994	298	997	
1025	206	951	66	990	44	983	31	994	-	-	-	-	-	-	-	-	-	-	3	#	47	995	102	987	499	993	
1024	212	909	147	976	94	974	41	988	3	#	-	-	-	-	-	-	-	-	12	999	82	988	166	972	757	986	
1023	299	865	311	943	83	956	70	980	34	999	10	#	-	-	1	#	-	-	33	998	169	976	268	948	1278	975	
1022	341	803	466	874	143	940	149	967	55	994	42	998	107	#	39	999	-	-	33	993	300	951	454	908	2129	958	
1021	430	733	650	770	274	912	299	939	84	985	90	991	366	984	96	994	4	#	71	988	393	908	618	842	3375	928	
1020	515	644	673	625	419	858	455	882	150	971	259	976	588	928	304	980	33	999	150	977	611	851	743	751	4900	881	
1019	575	538	502	475	535	777	527	796	362	947	615	932	986	839	772	935	111	994	364	954	804	762	950	641	7103	813	
1018	537	419	295	363	598	672	599	696	643	889	1071	827	1304	690	1170	821	288	977	675	900	867	645	986	501	9033	714	
1017	496	308	233	297	598	555	715	582	1079	784	1196	645	1232	493	1216	647	612	932	875	798	759	519	701	356	9712	588	
1016	312	205	223	245	557	438	631	446	1198	610	988	442	893	306	945	467	885	837	938	666	652	409	521	252	8743	453	
1015	201	141	236	195	562	330	543	326	988	416	672	274	564	171	689	327	1079	699	936	525	615	314	388	176	7473	331	
1014	165	100	186	143	438	220	386	223	608	256	375	160	338	85	547	225	1018	530	821	384	513	225	270	118	5665	227	
1013	116	65	131	101	253	134	317	150	370	157	227	97	138	34	401	144	883	372	603	260	424	150	178	79	4041	148	
1012	74	42	99	72	163	85	224	90	199	97	117	58	71	13	225	85	639	234	453	169	181	89	104	52	2549	92	
1011	65	26	79	50	118	53	125	47	159	65	59	38	15	2	161	52	396	134	291	101	120	62	104	37	1692	57	
1010	26	13	50	32	65	30	81	24	82	39	39	28	1	*	84	28	207	73	161	57	78	45	64	22	938	33	
1009	11	7	19	21	52	17	31	8	59	26	34	21	-	-	60	15	90	40	76	33	64	33	24	12	520	20	
1008	7	5	6	17	22	7	13	2	47	17	21	16	-	-	31	6	43	26	44	21	28	24	31	9	293	13	

1007	11	4	12	15	4	3	-	-	18	9	33	12	-	-	12	2	40	19	35	14	21	20	21	4	207	9		
1006	5	1	9	13	2	2	-	-	12	6	16	6	-	-	-	-	23	13	19	9	19	17	7	1	112	6		
1005	2	*	11	11	2	2	-	-	13	4	11	4	-	-	-	-	15	10	12	6	18	14	1	*	85	4		
1004	-	-	11	8	2	1	-	-	9	2	6	2	-	-	-	-	8	7	9	5	20	12	-	-	65	3		
1003	-	-	5	6	3	1	-	-	3	*	4	1	-	-	-	-	6	6	2	3	20	9	-	-	43	2		
1002	-	-	4	5	1	*	-	-	-	-	1	*	-	-	-	-	9	5	4	3	19	6	-	-	38	2		
1001	-	-	12	4	1	*	-	-	-	-	-	-	-	-	-	-	10	4	2	2	8	3	-	-	33	1		
1000	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	9	2	1	2	4	2	-	-	17	1		
999	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	5	1	2	2	4	1	-	-	12	*		
998	-	-	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	4	*	
997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	*	-	-	-	-	4	*
996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	2	*	
995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	*	
994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	2	*	
993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	-	-	-	-	2	*	
991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	-	-	-	1	*	
988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	1019.2		1018.7		1017.0		1016.8		1015.7		1016.4		1017.4		1016.2		1014.0		1015.1		1016.9		1018.3		1016.7			
S.D.	3.8		3.9		3.5		3.2		2.6		2.5		2.1		2.5		2.6		3.0		3.8		3.3		3.4			
TOTAL	4842		4484		5120		5268		6175		5886		6603		6753		6413		6635		6881		6786		71846			
MAX	1032.5		1028.2		1030.5		1027.0		1023.6		1023.2		1022.4		1022.6		1020.8		1025.0		1028.0		1029.5		1032.5			
DATE	2000011516		2000020616		1993031514		2001042117		1996050916		2001062715		1994071515		2001080703		1994090116		2001102915		2000112215		1993122715		2000011516			
MIN	1005.2		997.5		1000.8		1007.6		1002.6		1002.4		1010.4		1006.5		998.5		988.7		996.9		1005.4		988.7			
DATE	1993012620		1998020300		1993031308		1998040509		1993053123		1993060100		1995073121		1995080122		1999091421		1999101520		1998110511		1994122309		1999101520			
(* < 0.05% , # = 100.0%)																												

STATION: LONF1

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (11/1992 - 12/2001) (73507 RECORDS, 96.9% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#	
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	1	999	-	-	-	-	2	999	
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	999	-	-	-	-	-	2	999	
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999	
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	2	999	
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	2	999	-	-	-	-	-	4	999	
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	3	999	-	-	-	-	-	6	999	
38	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	1	998	-	-	-	-	-	-	-	2	999	
37	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
36	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	1	998	1	999	-	-	-	-	-	4	999	
35	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	2	999	
34	-	-	-	-	2	999	-	-	1	#	-	-	-	-	-	1	998	1	998	-	-	-	-	-	5	999	
33	2	#	3	#	2	999	-	-	1	999	-	-	-	-	-	2	998	4	998	3	#	1	#	1	#	18	999
32	1	999	-	-	1	998	1	#	-	-	-	-	1	#	-	-	3	998	1	998	2	999	1	999	11	999	
31	1	999	1	999	3	998	-	-	1	999	-	-	-	-	-	3	997	1	998	3	999	1	999	1	999	14	999
30	-	-	-	-	3	998	-	-	-	-	-	-	-	-	1	#	2	997	1	997	5	999	1	999	13	999	
29	1	999	4	999	6	997	1	999	-	-	-	-	-	-	1	999	3	996	4	997	12	998	2	999	34	999	
28	2	999	8	998	12	996	3	999	1	999	-	-	-	-	1	999	7	996	5	997	12	996	7	999	58	998	
27	7	999	14	997	12	994	1	999	1	999	2	#	1	999	1	999	2	995	9	996	10	995	5	998	65	998	
26	7	997	29	994	26	992	9	999	2	999	4	999	1	999	2	999	7	995	26	995	26	993	21	997	160	997	
25	20	996	37	989	28	987	15	997	4	999	3	999	2	999	9	999	11	993	24	991	34	989	31	994	218	994	
24	34	992	49	981	35	982	12	995	4	998	9	998	-	-	4	998	11	992	38	987	45	984	36	990	277	992	
23	46	986	45	972	61	975	33	992	17	998	17	997	2	999	7	997	14	990	57	981	81	978	42	984	422	988	
22	48	977	85	963	65	964	51	986	21	995	13	994	4	999	6	996	29	988	80	973	76	966	60	978	538	982	
21	78	968	64	947	97	952	87	977	32	991	18	992	10	998	17	995	35	983	113	961	117	955	71	970	739	975	
20	89	953	88	934	111	934	138	962	49	986	27	989	21	997	15	993	31	978	100	944	137	938	71	959	877	965	
19	126	936	118	917	191	914	242	937	137	978	56	984	69	994	47	990	62	973	212	928	240	918	149	949	1649	953	
18	162	912	168	895	178	879	246	893	165	956	86	975	75	983	67	984	74	963	242	897	249	883	159	927	1871	930	
17	178	881	175	862	212	846	242	849	200	929	87	960	73	972	89	974	101	952	253	860	265	847	192	904	2067	905	
16	238	847	227	828	273	807	350	805	273	897	143	945	133	961	126	960	142	936	344	822	381	808	286	875	2916	877	
15	281	801	251	784	265	757	357	742	327	852	204	921	196	941	210	942	226	914	372	770	431	753	366	834	3486	837	
14	304	748	237	736	292	708	341	678	312	799	271	886	232	911	228	910	273	879	363	714	444	690	337	780	3634	790	
13	351	690	301	690	303	655	421	616	353	749	348	840	326	876	313	877	346	836	382	659	517	625	473	731	4434	740	
12	434	623	406	632	386	599	547	541	446	691	419	781	555	826	487	830	478	782	506	601	711	550	638	661	6013	680	
11	358	540	332	553	326	528	390	442	379	619	429	710	568	742	42												

6	286	208	282	249	278	230	233	157	395	301	423	307	500	327	592	363	472	320	334	228	262	140	375	190	4432	253
5	267	153	315	194	321	179	214	115	436	237	457	235	528	251	561	275	510	246	376	178	232	102	394	135	4611	192
4	160	102	197	133	199	120	157	77	293	166	306	157	365	171	399	191	336	166	266	121	117	68	191	78	2986	130
3	128	72	184	95	159	83	98	48	238	118	201	105	290	116	316	132	263	114	183	81	125	51	126	50	2311	89
2	128	47	143	60	161	54	87	31	233	80	228	71	272	72	295	85	228	73	172	53	101	33	114	31	2162	58
1	77	23	91	32	96	24	53	15	170	42	127	32	138	31	180	41	161	37	110	27	88	18	62	14	1353	28
0	43	8	74	14	37	7	31	6	88	14	62	11	65	10	99	15	78	12	71	11	39	6	36	5	723	10
MEAN		11.0		10.9		11.3		12.0		9.7		9.0		8.7		8.4		9.1		11.2		12.2		10.9		10.3
S.D.		5.3		5.8		5.9		5.0		5.1		4.5		4.2		4.4		5.0		5.7		5.2		4.9		5.2
TOTAL		5238		5170		5444		5550		6157		5879		6604		6735		6410		6629		6866		6825		73507
MAX		32.9		33.4		38.3		31.7		34.4		27.4		31.5		29.9		47.0		49.8		33.0		32.9		49.8
DATE	2000011423	1998020300	1993031317	2001043006	1995050511	2000060823	2001072300	1994081118	1998092514	1999101520	2001110508	2000121922	1999101520	2001110508	2000121922	1999101520	2001110508	2000121922	1999101520	2001110508	2000121922	1999101520	2001110508	2000121922	1999101520	
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	2001010904	2001022820	2001031803	2001041502	2001052703	2000063001	2001072700	2001082514	2001092916	2001102223	2000112701	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	2001123007	

STATION: LONF1

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

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

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (11/1992 - 12/2001) (73388 RECORDS, 96.7% 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	F	CPF
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	1	#	
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	1	999	
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	999	-	-	-	-	-	-	2	999	
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	1	999	
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	1	999	
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	1	999	
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	-	3	999	
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	1	999	
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
47	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	1	999	1	999	-	-	-	-	-	-	3	999	
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	2	999	-	-	-	-	-	-	3	999	
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	1	999	-	-	-	-	-	-	3	999	
44	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	3	999	
43	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
42	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	2	999	
41	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	2	998	-	-	-	-	-	-	-	-	3	999	
40	-	-	1	#	2	999	-	-	-	-	-	-	-	-	-	1	998	1	998	2	999	-	-	-	-	7	999	
39	-	-	1	999	2	999	-	-	1	#	-	-	-	-	-	1	998	3	998	1	999	-	-	-	-	9	999	
38	1	#	1	999	2	998	-	-	-	-	-	-	-	-	-	-	-	1	998	2	999	1	#	-	-	8	999	
37	3	999	-	-	2	998	-	-	1	999	-	-	-	-	-	1	998	1	998	2	999	1	999	-	-	11	999	
36	1	999	2	999	2	998	-	-	-	-	-	-	1	#	-	-	4	998	1	998	3	999	2	999	2	999	16	999
35	1	999	-	-	3	997	1	#	1	999	-	-	3	999	1	#	-	-	1	997	3	998	-	-	-	14	999	
34	-	-	1	999	4	997	-	-	-	-	-	-	-	-	1	999	3	997	-	-	8	998	2	999	19	999		
33	-	-	8	999	6	996	1	999	-	-	2	#	-	-	1	999	6	996	7	997	10	997	3	999	44	998		
32	-	-	9	997	11	995	3	999	1	999	2	999	-	-	2	999	3	995	2	996	11	995	4	999	48	998		
31	4	999	14	996	10	993	2	999	2	999	1	999	-	-	1	999	4	995	10	996	13	994	10	998	71	997		
30	11	998	14	993	21	991	6	999	2	999	1	999	1	999	1	999	5	994	12	994	14	992	12	997	100	996		
29	11	996	30	990	21	987	9	998	-	-	4	999	1	999	5	999	9	994	23	993	25	990	22	995	160	995		
28	22	994	36	984	36	983	10	996	5	999	7	998	1	999	4	998	10	992	27	989	39	986	34	992	231	993		
27	21	990	48	977	30	977	11	994	9	998	5	997	-	-	7	998	12	991	36	985	45	980	30	987	254	990		
26	58	986	54	968	62	971	45	992	17	996	14	996	3	999	5	997	20	989	54	980	83	974	43	982	458	986		
25	48	975	65	958	56	960	50	984	17	994	17	994	4	998	12	996	22	986	74	971	69	962	57	976	491	980		
24	53	965	55	945	69	949	56	975	25	991	14	991	11	998	7	994	26	982	87	960	93	952	44	968	540	973		
23	84	955	62	934	103	937	126	965	42	987	27	989	19	996	16	993	34	978	110	947	101	938	71	961	795	966		
22	98	939	85	922	135	918	167	942	70	980	31	984	41	993	20	991	32	973	124	931	165	923	91	951	1059	955		
21	113	920	112	906	142	893	172	912	123	969	55	979	45	987	45	988	51	968	169	912	207	899	115	937	1349	941		
20	107	899	134	884	154	867	215	881	155	949	56	969	65	980	56	981	66	960	218	886	199	869	134	920	1559	922		
19	235	878	215	858	256	839	322	843	230	923	135	960	97	970	117	973	126	950	310	853	313	840	246	901	2602	901		
18	191	833	197	817	228	792	307	785	249	886	131	937	124	956	137	955	136	930	305	807	304	794	244	865	2553	865		
17	230	797	191	778	208	750	283	729	267	846	162	915	158	937	159	935	191	909	265	761	371	750	276	829	2761	831		
16	273	753	229	741	274	712	326	678	311	802	279	887	225	913	237	911	241	879	339	721	421	695	336	788	3491	793		
15	309	701	259	697	275	661	386	619	308	752	289	840	291	879	248	876	297	841	367	669	432	634	418	739	3879	745		
14	298	642	238	647	236	611	359	550	294	702	276	790	325	835	323	839	307	795	318	614	442	571	394	677	3810	693		
13	298	585	314	601	295	567	376	485	347	654	352	743	499	785	373	791	372	747	389	566	518	506	490	620	4623	641		
12	391	528	350	540	365	513	420	417	437	597	486	683	638	709	515	735	513	689	435	507	606	431	585</					

1993	MEAN	22.8	20.5	21.5	22.9	25.1	27.7	29.0	29.0	28.4	27.1	24.0	20.1	24.9
	MAXIMUM	26.4	24.8	26.2	26.2	27.1	29.7	31.1	31.8	31.7	29.3	27.1	24.4	31.8
	DAY-HR	09-03	17-15	31-23	05-21	20-13	29-20	30-22	22-19	10-22	08-21	15-20	10-21	AUG
	MINIMUM	14.1	11.8	9.6	16.6	21.2	24.0	24.5	24.2	24.4	22.7	14.1	11.6	9.6
	DAY-HR	28-11	19-13	15-12	17-13	10-16	01-11	11-20	30-17	29-16	31-21	01-17	12-13	MAR
	# OBS	739	671	734	710	743	717	741	741	716	744	716	740	8712
1994	MEAN	20.6	22.7	22.9	25.3	26.5	28.5	28.4	28.3	27.9	26.7	24.9	22.4	25.4
	MAXIMUM	25.4	26.8	28.7	28.4	28.9	30.5	30.6	31.3	30.2	29.8	28.9	27.0	31.3
	DAY-HR	30-22	25-19	20-16	26-20	28-23	10-20	23-22	05-22	04-19	06-20	11-20	05-17	AUG
	MINIMUM	13.9	13.2	15.1	19.0	20.6	23.2	23.6	23.5	22.2	23.0	20.7	14.6	13.2
	DAY-HR	06-05	03-00	11-13	01-13	22-12	11-02	29-13	12-18	28-11	16-11	24-10	27-12	FEB
	# OBS	742	654	743	719	738	719	733	742	712	733	674	720	8629
1995	MEAN	20.1	20.3	22.8	25.1	27.4	27.8	28.9	28.9	28.6	27.5	23.0	21.0	25.2
	MAXIMUM	25.5	25.3	26.3	27.8	29.7	30.9	30.7	32.3	30.7	31.0	27.9	25.1	32.3
	DAY-HR	07-20	19-18	25-19	25-22	20-22	29-19	08-13	21-22	03-19	01-19	03-20	19-19	AUG
	MINIMUM	12.2	8.5	15.5	20.0	22.4	22.7	23.5	23.9	24.4	23.2	15.1	8.6	8.5
	DAY-HR	25-14	09-15	10-12	03-10	05-07	18-15	27-18	23-16	06-03	17-21	15-14	25-14	FEB
	# OBS	737	628	737	710	734	715	734	741	716	737	715	578	8482
1996	MEAN	21.6	18.8	20.6	23.8	26.4	27.6	28.8	28.5	28.6	25.9	23.2	21.3	24.9
	MAXIMUM	24.4	27.4	26.2	26.9	29.2	29.9	30.2	31.1	30.8	29.0	27.6	25.4	31.1
	DAY-HR	31-21	24-22	31-23	29-03	30-23	26-22	12-22	13-20	03-22	08-02	02-21	07-20	AUG
	MINIMUM	16.1	4.8	10.9	16.7	23.0	23.6	24.0	23.0	23.2	21.6	15.4	8.9	4.8
	DAY-HR	20-15	05-12	09-13	02-14	31-11	12-23	16-07	24-13	30-13	20-11	27-14	20-13	FEB
	# OBS	339	690	740	733	738	716	831	787	716	733	689	663	8375
1997	MEAN	22.4	-	-	-	27.5	28.0	29.2	29.4	28.0	26.2	23.8	21.1	26.4
	MAXIMUM	26.5	-	-	-	29.3	29.8	31.6	32.1	30.4	29.9	27.8	26.2	32.1
	DAY-HR	02-21	-	-	-	22-21	18-22	31-14	08-21	03-21	03-19	02-20	26-18	AUG
	MINIMUM	8.7	-	-	-	24.7	23.0	24.8	24.0	23.5	19.4	18.3	13.9	8.7
	DAY-HR	18-14	-	-	-	29-14	22-12	03-11	30-21	14-12	20-11	09-10	07-12	JAN
	# OBS	305	-	-	-	285	711	726	738	715	734	696	739	5649
1998	MEAN	21.6	21.3	21.0	24.0	26.7	29.0	29.5	29.5	28.6	27.3	24.9	23.4	25.3
	MAXIMUM	25.6	27.7	26.2	27.1	29.9	31.0	32.2	32.0	31.5	30.4	27.9	27.3	32.2
	DAY-HR	08-20	19-17	09-04	21-22	31-15	07-21	04-19	26-22	22-22	11-21	24-21	28-19	JUL
	MINIMUM	12.8	13.6	11.3	16.9	21.3	28.1	25.3	24.2	23.7	23.1	18.8	15.5	11.3
	DAY-HR	01-13	09-13	11-11	12-08	05-01	01-12	04-22	19-06	25-18	28-12	06-14	18-13	MAR
	# OBS	713	666	712	695	713	154	615	786	711	735	718	740	7958
1999	MEAN	21.3	21.2	21.7	24.8	26.3	27.5	28.5	28.9	28.1	26.1	23.1	21.9	25.0
	MAXIMUM	25.3	25.3	25.7	27.6	29.5	30.5	31.4	30.8	32.3	32.0	26.8	26.5	32.3
	DAY-HR	23-22	08-20	26-22	17-20	27-23	10-20	26-22	02-21	04-22	05-18	01-20	23-22	SEP
	MINIMUM	9.2	12.5	12.3	17.6	19.1	23.0	24.5	23.3	23.4	20.8	17.3	12.8	9.2
	DAY-HR	06-10	14-13	16-13	19-13	01-13	19-12	02-02	04-15	25-16	25-12	04-12	26-14	JAN
	# OBS	740	657	719	720	744	720	742	737	697	734	714	558	8482
2000	MEAN	22.6	21.0	23.6	23.7	26.1	27.6	28.9	28.5	28.5	25.4	23.1	20.3	25.2
	MAXIMUM	26.4	24.2	26.7	27.6	29.2	29.9	30.6	30.4	31.0	31.8	26.7	25.6	31.8
	DAY-HR	11-19	20-19	31-22	25-22	30-22	07-23	26-23	14-22	26-22	05-16	10-18	16-20	OCT
	MINIMUM	13.4	13.2	19.8	16.1	21.9	22.6	24.2	22.7	24.3	21.9	12.7	9.2	9.2
	DAY-HR	21-15	06-13	14-15	05-13	03-07	09-15	02-14	28-06	30-02	26-14	22-12	31-15	DEC
	# OBS	185	536	737	706	738	720	738	743	718	741	718	743	8023
2001	MEAN	16.8	23.2	22.8	24.1	24.9	28.2	28.3	28.9	27.7	26.0	23.3	22.9	24.8
	MAXIMUM	24.1	26.0	28.9	28.0	28.3	30.5	31.1	32.4	30.5	29.9	25.9	26.2	32.4
	DAY-HR	31-19	28-19	17-20	14-18	30-22	23-21	08-22	15-19	25-15	06-17	03-23	09-20	AUG
	MINIMUM	8.4	17.0	14.1	17.5	19.5	24.1	23.7	22.4	23.7	17.3	19.7	13.8	8.4
	DAY-HR	10-13	06-14	07-14	19-10	09-08	28-19	23-00	01-20	29-05	28-13	06-14	27-11	JAN
	# OBS	744	672	740	717	743	718	742	742	714	744	718	744	8738
POR	MEAN	20.8	21.1	22.1	24.2	26.3	27.9	28.8	28.9	28.3	26.5	23.7	21.6	25.2
	MAXIMUM	26.5	27.7	28.9	28.4	29.9	31.0	32.2	32.4	32.3	32.0	28.9	27.3	32.4
	YEAR	1997	1998	2001	1994	1998	1998	1998	2001	1999	1999	1994	1998	AUG/2001
	MINIMUM	8.4	4.8	9.6	16.1	19.1	22.6	22.0	22.7	22.2	17.3	12.7	8.6	4.8
	YEAR	2001	1996	1993	2000	1999	2000	2001	2000	1994	2001	2000	1995	FEB/1996
	# OBS	5244	5174	5862	5710	6176	5890	6602	6757	6415	6635	6884	6826	74175

STATION: LONF1 -- POR (11/1992 - 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
1992	MEAN	-	-	-	-	-	-	-	-	-	-	24.9	22.0	23.3
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	27.3	24.9	27.3
	DAY-HR	-	-	-	-	-	-	-	-	-	-	10-00	27-22	NOV

	MINIMUM	-	-	-	-	-	-	-	-	-	-	19.7	18.7	18.7
	DAY-HR	-	-	-	-	-	-	-	-	-	-	30-15	02-14	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	523	601	1124
1993	MEAN	23.4	21.3	22.6	24.4	26.4	29.7	31.6	30.9	29.7	28.6	25.2	22.3	26.6
	MAXIMUM	26.3	23.8	28.0	27.9	29.3	32.7	34.1	32.8	33.1	31.0	27.8	24.4	34.1
	DAY-HR	09-00	13-00	31-23	01-00	21-21	30-23	23-22	24-22	12-00	12-01	10-22	05-23	JUL
	MINIMUM	18.6	19.2	16.1	21.4	22.7	25.6	28.5	28.5	26.3	25.8	20.6	18.5	16.1
	DAY-HR	28-15	20-14	15-14	24-13	01-13	01-14	12-13	11-14	30-13	01-14	02-14	13-14	MAR
	# OBS	739	671	734	712	743	718	741	739	718	744	716	327	8302
1994	MEAN	20.6	23.6	24.2	26.8	28.6	30.7	30.2	30.0	29.3	27.9	25.7	23.4	26.8
	MAXIMUM	25.3	27.4	28.6	30.1	30.8	32.6	32.4	33.0	32.0	30.7	28.0	27.2	33.0
	DAY-HR	30-21	26-21	28-21	26-22	11-21	10-22	26-22	09-21	04-23	11-22	01-22	07-22	AUG
	MINIMUM	17.9	17.9	19.2	23.1	25.4	28.6	28.1	27.6	26.0	25.1	23.0	18.7	17.9
	DAY-HR	16-15	03-16	04-13	02-13	23-13	05-09	09-13	13-12	30-23	20-13	26-13	27-15	FEB
	# OBS	707	653	742	718	738	719	732	742	711	732	663	713	8570
1995	MEAN	20.8	20.8	23.9	26.5	29.4	29.5	30.7	30.5	30.1	28.4	23.6	22.1	26.5
	MAXIMUM	24.5	26.1	28.3	29.3	31.2	32.5	33.1	33.5	32.5	30.5	28.4	24.7	33.5
	DAY-HR	07-23	19-22	31-20	25-23	17-22	10-23	04-22	22-00	20-22	02-22	04-23	09-21	AUG
	MINIMUM	15.9	15.3	20.0	23.6	25.6	26.9	27.8	27.2	27.9	26.0	19.9	15.1	15.1
	DAY-HR	26-14	09-15	11-17	04-14	01-12	23-10	28-12	05-13	29-14	31-14	17-14	29-18	DEC
	# OBS	737	628	737	710	733	715	733	740	716	736	715	575	8475
1996	MEAN	21.2	19.9	21.8	25.1	28.1	29.6	30.3	30.1	30.4	26.4	23.6	22.7	26.3
	MAXIMUM	24.4	26.0	27.3	29.1	31.8	31.8	32.2	32.8	33.4	29.1	28.2	24.8	33.4
	DAY-HR	31-23	29-23	31-23	27-22	29-22	28-22	23-00	15-22	03-21	01-22	02-22	06-22	SEP
	MINIMUM	18.3	14.2	15.7	22.0	25.8	26.7	27.8	27.7	27.8	24.5	19.1	18.0	14.2
	DAY-HR	18-11	06-15	12-14	03-14	10-14	03-13	30-12	24-17	28-12	15-13	12-13	10-15	FEB
	# OBS	339	689	740	733	738	716	831	787	716	733	689	261	7972
1997	MEAN	-	-	-	-	29.7	29.7	31.0	31.6	29.1	26.7	24.2	21.3	27.8
	MAXIMUM	-	-	-	-	32.0	32.3	33.1	33.7	31.0	29.5	28.0	25.5	33.7
	DAY-HR	-	-	-	-	22-21	18-23	14-23	07-21	05-18	01-03	02-22	27-22	AUG
	MINIMUM	-	-	-	-	27.3	27.0	29.2	28.7	27.5	23.5	22.1	17.1	17.1
	DAY-HR	-	-	-	-	30-13	10-14	23-13	31-23	16-13	21-15	05-14	19-15	DEC
	# OBS	-	-	-	-	279	710	726	738	715	734	696	739	5337
1998	MEAN	22.0	21.5	21.9	25.0	28.6	31.6	31.1	31.6	29.4	28.2	25.2	23.6	26.3
	MAXIMUM	25.5	26.4	26.0	28.0	31.0	33.7	33.7	34.3	32.1	32.1	27.7	25.5	34.3
	DAY-HR	09-22	20-20	31-23	21-22	22-23	07-21	04-20	05-23	01-21	12-21	20-22	05-22	AUG
	MINIMUM	17.3	17.4	16.5	20.7	25.6	30.0	28.6	29.4	26.9	24.1	21.8	18.8	16.5
	DAY-HR	02-07	10-14	13-14	12-15	02-13	01-14	14-13	22-12	26-14	30-13	07-12	18-15	MAR
	# OBS	713	666	712	695	713	154	615	786	711	735	718	740	7958
1999	MEAN	21.1	22.2	22.7	26.3	28.8	29.3	30.3	30.5	29.3	26.8	23.5	22.1	26.2
	MAXIMUM	24.4	25.9	26.7	29.4	32.3	31.7	34.4	33.3	32.8	29.8	26.4	25.6	34.4
	DAY-HR	24-00	10-20	27-00	26-22	28-21	11-20	28-19	02-21	05-21	01-01	02-21	24-02	JUL
	MINIMUM	14.2	18.1	19.1	21.3	24.5	26.7	26.9	28.0	26.3	22.9	21.4	17.9	14.2
	DAY-HR	06-14	23-14	05-14	19-14	03-13	02-14	04-12	19-14	25-17	28-14	18-14	27-16	JAN
	# OBS	740	657	719	720	744	720	742	724	694	734	714	558	8466
2000	MEAN	22.8	21.6	24.8	25.3	27.8	29.4	31.4	30.0	30.2	26.4	23.6	21.1	26.5
	MAXIMUM	25.5	25.2	28.2	28.1	31.7	32.1	33.4	32.8	31.9	31.3	26.8	25.3	33.4
	DAY-HR	11-23	20-22	31-23	01-01	31-01	24-00	11-23	15-21	06-00	08-22	20-22	17-21	JUL
	MINIMUM	18.4	16.9	22.6	21.4	24.2	26.8	28.4	26.9	28.5	23.7	18.8	15.8	15.8
	DAY-HR	22-16	10-13	10-14	11-10	02-13	11-16	04-13	28-11	18-13	26-15	22-15	31-15	DEC
	# OBS	185	536	737	706	738	720	740	743	718	741	718	744	8026
2001	MEAN	17.5	23.7	24.4	25.4	26.2	30.4	29.7	30.6	29.2	26.6	23.4	23.1	25.9
	MAXIMUM	23.6	26.8	29.0	29.5	29.6	32.6	31.6	33.2	31.6	30.3	24.9	25.6	33.2
	DAY-HR	20-18	28-22	18-21	16-22	21-00	12-23	30-22	16-23	05-21	07-23	03-23	10-20	AUG
	MINIMUM	14.1	20.8	18.6	21.9	22.5	27.5	26.7	26.5	25.5	21.5	21.5	18.7	14.1
	DAY-HR	26-14	07-12	08-15	20-14	10-12	29-13	24-13	04-13	30-13	29-11	06-12	27-16	JAN
	# OBS	713	672	739	717	743	718	744	742	715	744	718	744	8709
POR	MEAN	21.0	21.8	23.3	25.6	28.1	29.8	30.7	30.7	29.7	27.3	24.3	22.4	26.4
	MAXIMUM	26.3	27.4	29.0	30.1	32.3	33.7	34.4	34.3	33.4	32.1	28.4	27.2	34.4
	YEAR	1993	1994	2001	1994	1999	1998	1999	1998	1996	1998	1995	1994	JUL/1999
	MINIMUM	14.1	14.2	15.7	20.7	22.5	25.6	26.7	26.5	25.5	21.5	18.8	15.1	14.1
	YEAR	2001	1996	1996	2001	1993	2001	2001	2001	2001	2000	2000	1995	JAN/2001
	# OBS	4873	5172	5860	5711	6169	5890	6604	6741	6414	6633	6870	6002	72939

STATION: LONF1 -- POR (11/1992 - 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
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1992	MEAN	-	-	-	-	-	-	-	-	-	-	1016.1	1019.1	1017.7
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	1022.9	1024.1	1024.1
	DAY-HR	-	-	-	-	-	-	-	-	-	-	30-14	28-15	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	-	1011.2	1012.1	1011.2
	DAY-HR	-	-	-	-	-	-	-	-	-	-	23-22	10-22	NOV
	# OBS	-	-	-	-	-	-	-	-	-	-	525	601	1126
1993	MEAN	1018.3	1017.6	1017.3	1015.4	1014.6	1016.4	1017.7	1017.0	1016.0	1014.7	1017.0	1017.8	1016.6
	MAXIMUM	1024.2	1022.8	1030.5	1021.5	1019.2	1020.4	1021.2	1022.3	1020.2	1018.8	1024.6	1029.5	1030.5
	DAY-HR	21-15	19-16	15-14	24-16	05-16	07-05	10-15	04-15	13-15	15-03	02-15	27-15	MAR
	MINIMUM	1005.2	1011.2	1000.8	1009.4	1002.6	1002.4	1014.0	1012.2	1011.6	1009.5	1007.4	1007.3	1000.8
	DAY-HR	26-20	07-10	13-08	05-11	31-23	01-00	27-23	31-09	18-21	31-09	24-20	14-22	MAR
	# OBS	739	671	734	712	743	718	740	740	716	744	716	740	8713
1994	MEAN	1019.7	1018.8	1016.6	1017.4	1014.3	1016.9	1018.6	1017.1	1015.4	1013.9	1014.8	1016.8	1016.7
	MAXIMUM	1027.8	1025.7	1024.8	1022.5	1019.5	1020.4	1022.4	1020.3	1020.8	1018.3	1023.1	1021.2	1027.8
	DAY-HR	16-15	03-16	12-15	12-15	06-16	26-16	15-15	17-15	01-16	20-03	25-15	31-15	JAN
	MINIMUM	1009.2	1011.2	1008.8	1012.0	1003.1	1012.9	1014.0	1014.2	1010.5	1009.3	998.5	1005.4	998.5
	DAY-HR	13-21	19-09	02-22	23-09	20-08	18-22	01-09	22-23	22-09	03-09	15-09	23-09	NOV
	# OBS	742	654	742	719	737	719	732	742	712	733	672	715	8619
1995	MEAN	1018.7	1019.3	1016.9	1014.3	1014.9	1014.8	1016.2	1012.9	1013.7	1012.8	1017.7	1018.0	1015.8
	MAXIMUM	1027.5	1027.5	1026.3	1021.4	1019.6	1018.5	1021.0	1018.1	1018.6	1019.7	1024.0	1024.6	1027.5
	DAY-HR	25-14	09-17	11-16	03-17	29-16	17-13	04-16	04-14	14-15	31-14	16-15	25-15	FEB
	MINIMUM	1006.5	1011.3	1010.2	1008.3	1009.7	1009.7	1010.4	1006.5	1008.9	1006.8	1008.9	1009.7	1006.5
	DAY-HR	14-22	20-21	19-10	06-10	20-23	13-10	31-21	01-22	08-09	04-21	14-06	19-23	AUG
	# OBS	737	628	737	710	734	715	734	740	716	737	715	573	8476
1996	MEAN	-	-	-	1018.7	1017.4	1016.6	1018.1	1017.7	1014.1	1014.9	1018.5	1019.6	1017.2
	MAXIMUM	-	-	-	1023.2	1023.6	1020.5	1022.3	1021.9	1019.6	1023.9	1027.1	1026.2	1027.1
	DAY-HR	-	-	-	23-15	09-16	05-16	28-16	24-14	27-15	27-15	12-15	20-14	NOV
	MINIMUM	-	-	-	1014.3	1007.1	1012.2	1012.8	1010.6	1006.9	1003.7	1012.6	1013.8	1003.7
	DAY-HR	-	-	-	26-23	21-22	18-09	10-22	31-23	04-21	18-20	19-22	08-10	OCT
	# OBS	-	-	-	289	738	716	831	787	716	733	689	632	6131
1997	MEAN	1018.3	-	-	-	1015.7	1014.4	1016.9	1016.6	1013.9	1015.2	1015.8	1015.2	1015.6
	MAXIMUM	1028.7	-	-	-	1019.4	1020.8	1021.3	1020.9	1018.0	1019.9	1022.7	1026.8	1028.7
	DAY-HR	18-15	-	-	-	24-15	19-16	07-16	17-16	13-16	29-15	18-15	31-15	JAN
	MINIMUM	1010.9	-	-	-	1012.2	1004.8	1010.8	1010.8	1009.6	1010.7	1006.0	1006.3	1004.8
	DAY-HR	09-22	-	-	-	31-22	05-23	03-08	31-09	27-21	18-20	30-20	07-21	JUN
	# OBS	242	-	-	-	285	710	725	738	715	734	696	739	5584
1998	MEAN	1016.9	1013.1	1017.4	1015.9	1014.8	1015.1	1016.9	1015.1	1013.0	1016.0	1017.3	1019.4	1016.0
	MAXIMUM	1030.4	1021.8	1027.1	1022.1	1019.4	1018.7	1020.4	1020.5	1017.6	1020.9	1024.3	1024.9	1030.4
	DAY-HR	01-15	10-16	26-04	13-16	17-16	07-15	26-05	08-16	06-16	24-15	11-15	20-15	JAN
	MINIMUM	1009.4	997.5	1007.2	1007.6	1006.9	1012.3	1011.1	1007.1	1000.0	1012.1	996.9	1011.7	996.9
	DAY-HR	16-10	03-00	21-09	05-09	11-22	01-22	13-09	25-23	25-10	14-09	05-11	29-21	NOV
	# OBS	713	666	712	695	713	150	615	786	711	735	718	740	7954
1999	MEAN	1020.0	1019.5	1017.5	1016.9	1015.8	1016.1	1018.1	1014.6	1012.0	1014.2	1016.6	1020.0	1016.7
	MAXIMUM	1029.0	1025.7	1023.5	1024.7	1019.6	1020.1	1022.0	1020.3	1017.6	1020.6	1024.5	1027.3	1029.0
	DAY-HR	05-15	15-16	05-16	19-03	30-04	27-15	18-16	16-17	28-16	28-15	05-15	02-15	JAN
	MINIMUM	1012.1	1010.3	1009.5	1007.8	1008.0	1012.4	1012.0	1007.7	998.5	988.7	1008.9	1013.3	988.7
	DAY-HR	09-22	18-21	15-09	30-21	01-00	09-07	30-23	29-00	14-21	15-20	16-20	19-09	OCT
	# OBS	740	657	719	720	744	720	742	735	694	734	714	558	8477
2000	MEAN	1021.7	1022.0	1017.4	1017.1	1016.9	1018.3	1016.5	1017.3	1014.0	1017.1	1017.6	1019.8	1017.6
	MAXIMUM	1032.5	1028.2	1024.2	1023.7	1022.0	1022.5	1020.1	1021.7	1018.6	1021.8	1028.0	1026.8	1032.5
	DAY-HR	15-16	06-16	01-16	11-15	18-15	19-17	17-16	15-16	01-16	23-15	22-15	31-15	JAN
	MINIMUM	1013.6	1017.8	1007.1	1010.4	1011.6	1015.2	1011.8	1011.0	1009.1	1009.7	1012.4	1010.5	1007.1
	DAY-HR	20-21	05-00	28-08	22-22	30-09	16-07	15-21	30-09	30-22	01-00	05-21	29-07	MAR
	# OBS	185	536	737	706	738	720	740	743	718	741	718	744	8026
2001	MEAN	1021.3	1021.4	1016.1	1019.9	1016.6	1018.2	1017.6	1017.7	1014.2	1016.8	1017.5	1017.7	1017.9
	MAXIMUM	1028.1	1025.7	1022.2	1027.0	1020.4	1023.2	1022.2	1022.6	1018.9	1025.0	1025.2	1024.5	1028.1
	DAY-HR	02-15	20-16	08-16	21-17	10-17	27-15	28-16	07-03	06-15	29-15	08-15	22-15	JAN
	MINIMUM	1015.3	1015.7	1010.6	1011.3	1012.5	1013.8	1011.4	1014.0	1005.3	1011.1	1000.6	1010.7	1000.6
	DAY-HR	08-23	28-22	20-09	01-09	23-23	02-23	15-08	15-09	14-10	01-09	05-10	26-05	NOV
	# OBS	744	672	739	717	743	718	744	742	715	744	718	744	8740
POR	MEAN	1019.2	1018.7	1017.0	1016.8	1015.7	1016.4	1017.4	1016.2	1014.0	1015.1	1016.9	1018.3	1016.7
	MAXIMUM	1032.5	1028.2	1030.5	1027.0	1023.6	1023.2	1022.4	1022.6	1020.8	1025.0	1028.0	1029.5	1032.5
	YEAR	2000	2000	1993	2001	1996	2001	1994	2001	1994	2001	2000	1993	JAN/2000
	MINIMUM	1005.2	997.5	1000.8	1007.6	1002.6	1002.4	1010.4	1006.5	998.5	988.7	996.9	1005.4	988.7
	YEAR	1993	1998	1993	1993	1993	1993	1995	1995	1999	1999	1998	1994	OCT/1999
	# OBS	4842	4484	5120	5268	6175	5886	6603	6753	6413	6635	6881	6786	71846

STATION: LONF1 -- POR (11/1992 - 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
1992	MEAN	-	-	-	-	-	-	-	-	-	-	13.8	10.3	11.9
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	24.1	23.5	24.1
	DAY-HR	-	-	-	-	-	-	-	-	-	-	15-13	11-22	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	-	0.6	0.2	0.2
	DAY-HR	-	-	-	-	-	-	-	-	-	-	27-22	02-18	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	526	601	1127
1993	MEAN	11.4	11.0	11.3	12.7	12.3	9.9	7.3	8.1	9.9	8.7	11.7	10.4	10.4
	MAXIMUM	28.6	23.3	38.3	24.1	23.7	23.1	20.0	21.4	31.1	24.5	24.3	27.4	38.3
	DAY-HR	09-11	19-07	13-17	05-09	31-23	19-04	25-04	11-01	14-00	31-19	02-03	25-11	MAR
	MINIMUM	0.0	0.0	0.2	1.0	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
	DAY-HR	14-06	10-19	29-19	11-19	17-17	05-21	02-22	27-19	11-14	14-20	26-03	05-06	DEC
	# OBS	738	671	734	711	742	718	741	740	717	744	715	740	8711
1994	MEAN	12.3	11.4	11.0	11.5	8.7	8.5	10.2	8.5	8.6	8.6	12.2	11.0	10.2
	MAXIMUM	26.8	26.4	30.9	23.5	27.8	19.6	24.5	29.9	31.5	26.4	30.3	29.0	31.5
	DAY-HR	19-20	18-00	03-11	29-20	19-11	26-16	29-05	11-18	14-04	31-12	14-11	21-05	SEP
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	12-17	25-18	20-16	26-20	28-09	23-02	25-02	23-19	27-19	23-20	11-20	30-14	DEC
	# OBS	741	655	743	719	737	717	735	742	712	733	677	720	8631
1995	MEAN	10.8	9.8	11.5	11.0	9.1	9.7	8.8	8.5	8.1	11.9	11.6	11.6	10.2
	MAXIMUM	26.2	32.7	27.6	22.9	34.4	26.8	20.2	26.4	19.1	26.4	23.7	26.8	34.4
	DAY-HR	14-02	20-22	10-06	21-05	05-11	20-23	31-20	02-23	28-08	14-17	09-08	11-03	MAY
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	29-10	04-04	25-19	13-11	06-17	29-19	08-13	21-19	12-19	28-14	12-01	10-02	DEC
	# OBS	732	625	737	710	733	715	735	735	714	737	715	578	8466
1996	MEAN	9.7	9.5	13.2	12.6	11.1	8.7	10.7	9.2	8.4	12.6	14.3	10.0	10.9
	MAXIMUM	22.2	29.0	30.9	28.6	23.9	24.1	25.9	24.9	27.8	29.7	29.4	27.0	30.9
	DAY-HR	28-18	17-05	19-13	01-23	21-17	10-09	10-02	20-23	30-19	08-13	17-03	20-01	MAR
	MINIMUM	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	25-02	29-16	13-21	06-23	31-15	28-04	01-17	31-09	19-13	09-19	26-17	07-07	DEC
	# OBS	339	690	740	733	733	711	831	786	711	733	689	664	8360
1997	MEAN	8.4	-	-	-	7.9	9.5	7.4	7.0	8.7	11.0	11.3	11.2	9.3
	MAXIMUM	27.8	-	-	-	19.1	25.3	19.2	24.7	28.8	21.8	23.3	31.7	31.7
	DAY-HR	10-07	-	-	-	29-22	20-07	03-13	23-18	27-22	01-17	17-09	30-11	DEC
	MINIMUM	0.0	-	-	-	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	08-08	-	-	-	28-02	08-16	31-23	24-23	30-16	18-15	22-14	09-03	DEC
	# OBS	306	-	-	-	285	711	726	738	715	734	696	738	5649
1998	MEAN	11.6	12.9	13.0	13.7	8.5	6.4	8.1	7.8	11.1	10.5	10.2	10.6	10.4
	MAXIMUM	27.4	33.4	30.3	24.7	31.3	13.2	24.7	26.8	47.0	28.8	33.0	21.4	47.0
	DAY-HR	16-04	03-00	09-14	12-10	01-23	02-01	04-21	19-04	25-14	23-10	05-08	27-00	SEP
	MINIMUM	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	20-20	19-17	14-16	20-21	31-15	07-11	16-21	13-23	23-04	10-01	24-20	29-12	DEC
	# OBS	713	666	296	534	712	154	615	783	711	730	698	739	7351
1999	MEAN	11.6	9.8	10.1	10.2	7.9	8.2	9.0	8.1	9.6	12.9	13.3	9.9	10.1
	MAXIMUM	24.5	27.0	28.8	26.0	25.1	23.9	22.7	21.2	27.6	49.8	25.5	24.7	49.8
	DAY-HR	05-00	14-12	15-20	18-09	10-00	18-17	03-17	22-18	21-16	15-20	03-11	02-03	OCT
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
	DAY-HR	15-21	19-14	12-16	25-16	27-16	26-22	28-11	26-15	11-03	05-18	26-02	23-21	DEC
	# OBS	740	655	717	720	734	716	737	727	698	733	714	557	8448
2000	MEAN	10.7	11.6	10.4	11.1	9.9	9.4	6.7	9.7	8.5	11.9	10.9	12.6	10.2
	MAXIMUM	32.9	24.7	23.1	28.4	21.6	27.4	17.5	28.8	24.3	28.6	28.4	32.9	32.9
	DAY-HR	14-23	05-08	24-03	05-08	01-03	08-23	26-12	27-04	29-04	09-23	21-15	19-22	DEC
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	DAY-HR	11-21	12-15	03-09	24-03	23-09	30-01	24-23	20-10	26-23	28-20	27-01	18-21	NOV
	# OBS	185	536	737	706	738	720	741	743	718	741	718	744	8027
2001	MEAN	10.4	11.4	10.9	13.3	10.9	8.7	9.4	8.4	8.8	12.5	12.8	11.2	10.7
	MAXIMUM	27.0	26.2	27.2	31.7	25.3	21.2	31.5	28.2	29.7	26.8	33.0	24.5	33.0
	DAY-HR	23-06	19-11	06-00	30-06	04-01	27-23	23-00	01-16	14-10	10-09	05-08	26-06	NOV
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.0	0.0	0.0
	DAY-HR	09-04	28-20	18-03	15-02	27-03	25-16	27-00	25-14	29-16	22-23	30-15	30-07	DEC
	# OBS	744	672	740	717	743	717	743	741	714	744	718	744	8737
POR	MEAN	11.0	10.9	11.3	12.0	9.7	9.0	8.7	8.4	9.1	11.2	12.2	10.9	10.3
	MAXIMUM	32.9	33.4	38.3	31.7	34.4	27.4	31.5	29.9	47.0	49.8	33.0	32.9	49.8
	YEAR	2000	1998	1993	2001	1995	2000	2001	1994	1998	1999	2001	2000	OCT/1999
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	2001	2001	2001	2001	2001	2000	2001	2001	2001	2001	2000	2001	DEC/2001
	# OBS	5238	5170	5444	5550	6157	5879	6604	6735	6410	6629	6866	6825	73507

STATION: LONF1 -- POR (11/1992 - 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
1992	MEAN	-	-	-	-	-	-	-	-	-	-	15.6	11.5	13.4
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	29.2	27.6	29.2
	DAY-HR	-	-	-	-	-	-	-	-	-	-	22-07	11-22	NOV
	# OBS	-	-	-	-	-	-	-	-	-	-	526	601	1127
1993	MEAN	12.9	12.5	12.9	14.5	14.1	11.5	8.8	9.6	11.4	10.0	13.1	11.7	11.9
	MAXIMUM	36.9	26.6	47.2	28.8	28.4	26.4	22.6	24.9	33.6	28.8	28.0	31.3	47.2
	DAY-HR	09-11	19-05	13-17	05-09	31-23	01-02	23-22	03-03	14-00	31-19	01-14	25-11	MAR
	# OBS	738	670	734	711	742	718	741	738	717	744	715	740	8708
1994	MEAN	13.9	12.9	12.6	13.1	10.1	9.9	11.8	9.9	10.0	9.9	14.0	12.5	11.7
	MAXIMUM	30.9	29.9	39.3	27.0	31.5	24.3	28.4	35.2	36.4	29.0	34.4	34.0	39.3
	DAY-HR	19-20	18-00	03-11	28-13	19-11	17-13	29-05	11-18	14-04	31-12	14-17	21-05	MAR
	# OBS	741	652	742	719	735	717	730	742	711	732	655	711	8587
1995	MEAN	12.2	11.2	13.2	12.6	10.6	11.2	10.3	10.0	9.5	13.6	13.1	13.1	11.7
	MAXIMUM	29.9	38.3	32.3	25.7	38.9	33.0	24.3	29.2	22.4	29.5	27.4	31.3	38.9
	DAY-HR	14-02	20-22	10-05	21-05	05-11	22-20	31-20	02-22	28-08	14-17	09-08	11-08	MAY
	# OBS	732	624	737	710	733	715	730	733	714	735	715	574	8452
1996	MEAN	10.9	10.8	15.1	14.5	12.8	10.2	12.4	10.7	9.8	14.4	16.3	11.3	12.5
	MAXIMUM	25.9	32.9	38.7	32.5	27.0	28.2	35.2	29.7	32.9	34.6	35.6	30.9	38.7
	DAY-HR	28-18	17-00	19-13	09-16	21-17	01-01	05-06	20-23	30-19	08-12	17-03	20-01	MAR
	# OBS	339	688	740	733	733	710	831	786	711	733	689	659	8352
1997	MEAN	9.4	-	-	-	9.2	11.0	8.8	8.5	9.9	12.5	12.7	12.7	10.7
	MAXIMUM	30.7	-	-	-	21.4	32.3	25.1	33.0	34.0	24.7	26.2	36.7	36.7
	DAY-HR	10-07	-	-	-	29-22	22-12	15-00	23-18	27-22	13-02	25-02	30-11	DEC
	# OBS	297	-	-	-	285	709	726	738	715	734	696	738	5638
1998	MEAN	13.1	14.8	14.9	15.7	9.9	7.8	9.4	9.1	12.8	12.0	11.6	11.9	12.0
	MAXIMUM	35.8	39.7	39.7	29.4	34.6	16.7	34.8	30.7	57.5	33.4	39.5	24.5	57.5
	DAY-HR	16-04	15-17	09-14	11-10	01-23	02-02	04-21	19-04	25-14	23-10	05-09	27-00	SEP
	# OBS	713	666	296	534	712	154	615	783	711	729	697	739	7349
1999	MEAN	13.1	11.2	11.6	11.7	9.4	9.6	10.5	9.3	11.1	14.7	15.0	11.2	11.6
	MAXIMUM	28.2	29.9	32.1	29.5	29.7	30.9	26.0	23.9	32.5	56.6	28.8	28.6	56.6
	DAY-HR	05-00	14-12	15-20	18-12	10-00	25-03	17-15	22-18	21-16	15-20	03-11	02-07	OCT
	# OBS	740	655	717	720	734	716	732	708	691	733	714	557	8417
2000	MEAN	12.2	13.0	11.8	12.8	11.5	10.9	8.1	11.2	10.0	13.6	12.5	14.3	11.8
	MAXIMUM	37.5	27.8	26.2	31.9	24.9	31.5	19.8	33.8	28.4	32.9	32.1	37.7	37.7
	DAY-HR	15-00	22-20	24-03	05-10	01-01	08-23	26-12	26-23	17-11	09-22	21-15	19-22	DEC
	# OBS	185	536	737	706	735	720	740	743	718	740	718	744	8022
2001	MEAN	11.7	13.0	12.5	15.2	12.6	10.2	10.9	9.9	10.2	14.3	14.5	12.7	12.3
	MAXIMUM	29.9	30.9	32.1	35.0	28.4	23.5	36.2	31.5	32.9	31.3	41.8	28.0	41.8
	DAY-HR	24-02	19-11	06-00	30-06	04-01	27-23	23-00	01-16	14-10	10-09	05-08	26-06	NOV
	# OBS	744	672	739	717	743	717	743	741	714	744	718	744	8736
POR	MEAN	12.5	12.4	12.9	13.7	11.3	10.5	10.1	9.8	10.5	12.8	13.8	12.3	11.9
	MAXIMUM	37.5	39.7	47.2	35.0	38.9	33.0	36.2	35.2	57.5	56.6	41.8	37.7	57.5
	YEAR	2000	1998	1993	2001	1995	1995	2001	1994	1998	1999	2001	2000	SEP/1998
	# OBS	5229	5163	5442	5550	6152	5876	6588	6712	6402	6624	6843	6807	73388

STATION: LONF1 -- POR (11/1992 - 12/2001)

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

ELEMENT: HOURLY PEAK WIND GUST (KNOTS)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1992	MEAN	-	-	-	-	-	-	-	-	-	-	18.0	13.5	15.6
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	31.3	28.4	31.3
	DAY-HR	-	-	-	-	-	-	-	-	-	-	11-07	11-23	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	-	3.7	2.9	2.9
	DAY-HR	-	-	-	-	-	-	-	-	-	-	27-23	17-21	DEC
# OBS	-	-	-	-	-	-	-	-	-	-	519	600	1119	
1993	MEAN	15.2	14.7	15.0	16.8	16.2	13.6	11.3	12.3	14.1	12.3	15.1	13.7	14.2
	MAXIMUM	44.1	32.5	58.3	50.7	29.2	31.7	36.7	39.9	35.0	39.3	31.3	34.2	58.3

	DAY-HR	09-11	23-07	13-10	05-09	31-21	01-00	21-00	07-06	14-08	17-00	01-15	25-12	MAR
	MINIMUM	1.4	1.0	1.9	3.1	3.1	2.1	3.3	1.9	1.9	2.3	1.0	1.9	1.0
	DAY-HR	14-06	17-15	29-19	12-06	17-04	03-08	31-21	27-11	10-20	06-22	07-01	05-06	NOV
	# OBS	738	669	734	711	737	717	738	735	717	743	714	740	8693
1996	MEAN	12.8	12.7	17.4	16.7	14.9	12.7	14.6	13.4	12.4	16.9	18.7	13.4	14.8
	MAXIMUM	26.8	39.5	38.7	47.0	35.4	37.3	39.3	36.4	34.6	37.1	39.3	33.0	47.0
	DAY-HR	19-21	17-04	19-13	09-16	15-06	27-23	05-06	06-03	08-05	08-18	15-12	20-01	APR
	MINIMUM	0.0	0.6	1.2	2.5	2.1	1.7	3.1	1.4	1.4	3.1	0.6	1.9	0.0
	DAY-HR	25-02	24-22	13-21	07-00	12-11	05-13	01-18	31-10	18-05	09-19	22-01	07-17	JAN
	# OBS	331	687	740	733	762	716	807	787	716	733	689	656	8357
1997	MEAN	-	-	-	-	11.5	13.6	11.4	11.3	12.5	14.6	14.8	15.1	13.2
	MAXIMUM	-	-	-	-	28.2	38.1	31.7	41.8	34.4	35.2	29.9	40.6	41.8
	DAY-HR	-	-	-	-	23-02	09-17	03-09	23-19	27-22	01-17	14-21	15-07	AUG
	MINIMUM	-	-	-	-	1.9	3.7	2.3	2.1	1.7	1.7	1.6	3.5	1.0
	DAY-HR	-	-	-	-	27-15	07-13	22-20	23-23	17-10	18-00	11-03	26-00	SEP
	# OBS	-	-	-	-	260	710	726	714	715	734	696	738	5293
1998	MEAN	15.4	17.5	16.1	18.0	12.1	9.8	12.8	11.5	15.1	14.1	13.2	13.9	14.3
	MAXIMUM	36.0	103.4	44.7	31.9	41.8	20.0	28.6	31.5	62.0	33.4	41.6	29.2	103.4
	DAY-HR	16-04	03-01	01-19	12-11	02-00	07-11	26-05	19-04	25-14	23-10	05-09	12-11	FEB
	MINIMUM	0.6	0.8	0.0	5.8	1.6	2.5	4.5	1.4	1.7	2.1	1.2	1.6	0.0
	DAY-HR	20-12	19-17	14-15	21-06	31-14	07-14	31-17	13-23	22-19	10-10	24-20	28-23	MAR
	# OBS	713	666	324	534	712	151	191	780	709	734	741	740	6995
1999	MEAN	15.2	13.2	13.6	13.7	11.8	12.1	13.0	11.9	13.9	17.3	17.1	13.1	13.8
	MAXIMUM	30.3	32.5	37.9	42.8	35.6	35.4	34.2	34.0	39.7	60.7	32.1	31.3	60.7
	DAY-HR	04-20	22-06	03-18	17-22	30-20	11-21	02-02	28-00	21-16	15-20	30-21	01-00	OCT
	MINIMUM	1.6	0.8	1.7	2.3	2.3	1.6	3.1	1.9	1.0	0.6	1.9	1.6	0.6
	DAY-HR	15-20	09-08	21-21	25-08	13-15	21-00	27-12	26-15	11-03	05-18	26-19	23-21	OCT
	# OBS	763	657	719	720	744	717	723	694	688	727	708	558	8418
2000	MEAN	14.2	15.0	13.9	15.0	13.6	13.5	10.6	14.0	12.6	15.7	14.4	16.5	14.0
	MAXIMUM	42.8	29.4	31.5	32.7	27.2	33.6	30.1	37.3	38.5	36.2	33.6	39.5	42.8
	DAY-HR	15-00	23-04	28-10	05-11	01-02	19-00	21-13	27-00	19-23	09-22	21-16	19-23	JAN
	MINIMUM	1.4	2.1	1.6	1.9	2.7	2.9	1.7	2.1	2.3	1.6	1.4	1.7	1.4
	DAY-HR	11-19	11-23	26-19	28-20	23-06	23-23	02-20	14-04	11-22	05-16	26-04	12-19	NOV
	# OBS	186	536	736	706	737	720	737	741	718	739	718	743	8017
2001	MEAN	13.6	14.9	14.7	17.4	15.0	12.5	13.7	12.5	12.9	16.7	16.8	14.9	14.6
	MAXIMUM	31.9	32.7	35.4	36.0	30.5	26.0	43.0	37.5	45.1	37.7	43.0	30.7	45.1
	DAY-HR	23-06	19-05	06-01	30-07	01-00	26-16	11-21	01-08	14-12	09-23	05-11	26-06	SEP
	MINIMUM	1.0	1.6	1.4	2.1	1.4	2.5	2.7	1.6	1.4	1.2	1.7	1.2	1.0
	DAY-HR	12-20	23-03	11-14	14-15	18-14	03-22	20-18	25-15	16-22	22-23	20-21	30-06	JAN
	# OBS	743	672	735	717	743	717	743	741	711	743	717	744	8726
POR	MEAN	14.6	14.6	15.0	16.2	13.8	12.9	12.5	12.4	13.3	15.4	15.9	14.3	14.2
	MAXIMUM	44.1	103.4	58.3	50.7	41.8	38.1	43.0	41.8	62.0	60.7	43.0	40.6	103.4
	YEAR	1993	1998	1993	1993	1998	1997	2001	1997	1998	1999	2001	1997	FEB/1998
	MINIMUM	0.0	0.6	0.0	1.9	1.4	1.6	1.7	1.4	1.0	0.6	0.6	1.2	0.0
	YEAR	1996	1996	1998	2000	2001	1999	2000	1998	1999	1999	1996	2001	MAR/1998
	# OBS	3474	3887	3988	4121	4695	4448	4665	5192	4974	5153	5502	5519	55618

STATION: LONF1

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

Month: JAN

WIND SPEED	WIND DIRECTION													TOT %	TOT N
	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	0.1	*	-	*	-	*	-	-	*	*	*	0.1	0.8	43
1 - 3		1.1	1.0	0.7	0.5	0.5	0.1	0.4	0.2	0.4	0.3	0.6	1.2	6.9	360
4 - 6		1.5	2.0	2.1	1.2	1.3	1.1	0.7	0.6	0.6	0.4	0.5	1.0	13.1	686
7 - 10		3.0	5.5	3.6	3.6	3.7	3.1	1.5	0.8	0.6	0.4	0.6	1.1	27.5	1440
11 - 15		3.7	6.5	3.4	4.4	6.1	2.8	1.1	0.8	0.3	0.4	0.8	1.5	31.9	1669
16 - 20		3.2	2.7	1.3	1.3	2.0	1.1	0.5	0.4	0.2	0.1	0.6	1.8	15.1	793
21 - 24		1.1	0.9	0.2	0.2	*	0.1	0.1	0.1	*	*	0.2	1.0	4.0	212
25 - 33		0.1	0.1	0.2	*	*	0.1	-	*	*	-	*	0.1	0.7	35
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	13.7	18.7	11.6	11.4	13.6	8.4	4.3	2.9	2.2	1.7	3.2	7.9	100.0	
TOTAL N	24	718	979	606	595	713	440	225	150	117	89	169	413		5238

(* < 0.05%)

STATION: LONF1

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

Month: FEB

WIND SPEED	WIND DIRECTION													TOT %	TOT N
	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		

0	0.8	0.3	0.1	*	-	*	*	-	*	*	*	0.1	0.1	1.4	74
1 - 3		1.6	1.2	0.9	0.6	0.6	0.5	0.3	0.2	0.5	0.4	0.5	1.4	8.7	450
4 - 6		1.5	2.1	2.1	1.4	1.9	1.6	0.8	0.7	0.7	0.4	0.6	1.2	14.7	762
7 - 10		2.6	3.8	2.9	3.8	3.8	2.8	1.4	0.7	0.5	0.5	1.0	1.2	25.0	1292
11 - 15		2.8	3.6	2.9	5.9	4.5	2.9	0.7	0.5	0.5	0.4	1.3	2.5	28.6	1477
16 - 20		2.2	2.2	1.6	3.3	1.5	1.0	0.1	0.2	0.1	0.2	0.8	1.7	15.0	776
21 - 24		1.1	0.5	0.7	0.6	0.3	0.1	*	0.1	*	0.1	0.7	0.7	5.0	256
25 - 33		0.4	*	*	0.1	0.1	*	*	-	*	0.1	0.3	0.5	1.6	83
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	12.6	13.5	11.1	15.7	12.8	8.9	3.3	2.4	2.3	2.1	5.3	9.2	100.0	
TOTAL N	41	653	698	574	811	661	461	172	123	118	109	272	477		5170

(* < 0.05%)

STATION: LONF1

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	0.3	0.1	-	-	-	*	0.1	*	*	-	*	*	0.1	0.7	37
1 - 3		1.3	0.9	0.5	0.3	0.5	0.5	0.6	0.5	0.6	0.6	0.9	1.0	8.2	448
4 - 6		1.3	1.2	1.1	1.2	1.5	1.3	1.2	1.1	0.8	0.7	1.2	1.4	14.1	766
7 - 10		2.3	2.5	1.5	3.2	3.8	2.5	2.0	1.3	0.8	1.2	2.1	1.6	24.8	1352
11 - 15		2.9	2.6	1.2	4.5	5.2	3.1	2.1	1.0	0.5	0.5	2.1	2.1	27.9	1518
16 - 20		2.1	2.0	2.0	2.9	2.4	1.9	0.6	0.6	0.3	0.3	0.9	1.7	17.7	965
21 - 24		0.5	0.5	0.5	0.6	0.1	0.2	0.2	*	*	0.2	0.7	1.2	4.9	265
25 - 33		0.1	0.2	0.1	0.1	-	-	*	-	0.1	0.1	0.5	0.4	1.6	86
34 - 47		-	-	-	-	-	-	-	-	-	0.1	0.1	-	0.1	7
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	10.7	9.9	7.1	12.9	13.5	9.7	6.7	4.6	3.1	3.8	8.4	9.4	100.0	
TOTAL N	18	580	538	384	701	736	527	367	248	167	207	458	513		5444

(* < 0.05%)

STATION: LONF1

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	0.3	0.1	-	*	-	-	-	-	*	*	-	-	0.1	0.6	31
1 - 3		0.6	0.5	0.4	0.2	0.3	0.3	0.3	0.1	0.4	0.4	0.5	0.9	4.7	262
4 - 6		0.8	0.7	0.9	1.0	1.4	1.1	0.7	0.5	0.5	0.6	1.2	1.1	10.5	580
7 - 10		1.1	1.4	1.3	3.8	5.6	2.9	1.5	1.0	0.8	0.5	1.7	1.2	22.8	1265
11 - 15		2.0	2.0	2.0	8.8	9.4	3.9	1.4	0.9	0.5	0.5	2.1	2.1	35.7	1981
16 - 20		1.6	1.2	1.7	7.4	4.8	1.6	0.5	0.1	0.1	0.1	1.1	1.6	21.9	1218
21 - 24		0.6	0.3	0.7	0.8	0.3	0.1	-	-	*	*	0.1	0.3	3.4	187
25 - 33		0.2	0.1	-	*	-	-	-	-	-	-	0.1	0.1	0.5	26
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	7.1	6.2	7.0	22.1	21.8	9.9	4.3	2.7	2.3	2.3	6.6	7.4	100.0	
TOTAL N	14	396	343	389	1228	1212	547	238	152	126	126	366	413		5550

(* < 0.05%)

STATION: LONF1

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

Month: MAY

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.7	0.2	0.1	0.1	*	0.1	*	*	-	*	*	0.1	0.1	1.4	88
1 - 3		1.3	0.9	0.9	0.7	0.9	0.8	1.0	1.0	0.7	0.6	1.0	1.3	11.1	685
4 - 6		1.0	0.9	1.0	1.9	2.8	2.3	1.7	1.5	0.8	0.9	1.7	1.0	17.5	1080
7 - 10		1.0	1.3	1.0	4.5	6.5	3.5	2.4	1.7	1.0	1.0	1.7	1.1	26.7	1644
11 - 15		0.7	0.9	2.0	9.4	8.0	2.3	1.2	0.6	0.7	0.6	1.1	0.7	28.4	1751
16 - 20		0.3	0.6	2.2	6.2	2.1	0.5	0.4	0.2	0.3	0.2	0.1	0.3	13.4	824
21 - 24		*	0.1	0.5	0.3	0.1	*	*	-	*	-	-	*	1.2	75
25 - 33		*	*	-	*	*	*	-	-	-	-	-	*	0.1	9
34 - 47		-	-	-	-	-	*	-	-	-	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.7	4.5	4.8	7.8	23.1	20.6	9.6	6.7	4.9	3.7	3.4	5.7	4.5	100.0	
TOTAL N	41	276	298	483	1420	1269	592	412	301	227	209	352	277		6157

(* < 0.05%)

STATION: LONF1

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	0.4	0.3	0.1	0.1	-	-	*	0.1	0.1	*	-	0.1	0.1	1.1	62
1 - 3		1.2	1.0	0.8	0.8	0.9	0.7	0.9	0.5	0.5	0.9	0.9	1.3	10.3	603
4 - 6		0.9	1.0	1.1	2.2	3.7	2.7	2.2	1.8	0.8	0.9	1.4	0.8	19.4	1139
7 - 10		0.7	1.0	1.8	6.2	10.0	5.8	3.1	1.7	0.9	0.7	1.6	0.9	34.3	2017
11 - 15		0.5	0.6	1.5	8.2	9.6	2.4	1.2	1.0	0.8	0.3	0.7	0.3	27.1	1593
16 - 20		0.1	0.1	0.7	2.5	1.6	0.4	0.5	0.7	0.2	0.1	0.1	*	6.8	399
21 - 24		*	*	0.1	0.2	0.1	0.1	0.2	0.2	0.1	*	-	*	1.0	58
25 - 33		-	*	-	*	-	*	*	*	-	-	-	*	0.1	8
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	3.7	3.7	6.1	20.1	25.8	12.1	8.2	5.9	3.2	2.8	4.6	3.5	100.0	
TOTAL N	23	218	219	356	1181	1518	710	482	346	186	165	270	205		5879

(* < 0.05%)

STATION: LONF1

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

Month: JUL

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	0.2	0.1	-	*	*	*	*	*	*	*	0.1	0.1	1.0	65
1 - 3		1.1	0.9	1.1	0.8	1.0	1.1	1.3	0.6	0.7	0.9	1.0	1.0	11.4	751
4 - 6		0.3	0.5	1.5	2.8	3.5	3.4	2.6	2.0	1.2	1.2	0.8	0.3	20.3	1342
7 - 10		0.4	0.7	1.5	7.7	10.1	4.4	2.0	2.0	1.9	1.7	1.5	0.6	34.4	2275
11 - 15		0.3	0.3	1.0	9.3	9.1	2.5	0.7	1.1	0.9	0.8	0.7	0.4	26.9	1779
16 - 20		*	*	0.4	2.3	1.5	0.2	0.2	0.1	0.2	0.3	0.2	0.1	5.6	371
21 - 24		*	-	-	0.1	0.1	-	*	*	-	*	*	-	0.3	17
25 - 33		-	*	-	-	-	-	-	*	-	*	-	*	0.1	4
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	2.2	2.6	5.5	23.1	25.2	11.5	7.0	6.0	4.9	4.9	4.2	2.5	100.0	
TOTAL N	23	148	174	363	1524	1665	761	462	397	322	322	280	163		6604

(* < 0.05%)

STATION: LONF1

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

Month: AUG

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.6	0.3	*	0.1	*	0.1	*	*	*	0.1	0.1	-	0.2	1.5	99
1 - 3		1.1	1.2	1.1	1.0	1.1	1.1	1.3	0.9	0.8	1.1	1.1	1.0	12.8	862
4 - 6		0.9	1.2	2.1	3.3	3.7	2.6	2.2	1.9	1.2	1.2	1.0	0.8	22.0	1481
7 - 10		0.9	1.4	2.7	7.5	8.4	4.1	2.5	2.4	1.4	0.9	1.3	0.9	34.3	2312
11 - 15		0.6	0.7	2.1	8.6	6.4	1.9	0.8	0.8	0.2	0.4	0.7	0.4	23.6	1588
16 - 20		0.1	0.2	0.5	2.3	1.2	0.2	0.2	0.3	-	*	0.1	*	5.1	344
21 - 24		*	*	*	0.1	0.2	*	0.1	*	-	-	-	-	0.5	35
25 - 33		-	-	*	*	*	*	0.1	-	-	-	-	*	0.2	14
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.6	3.9	4.7	8.6	22.7	21.1	9.9	7.1	6.3	3.7	3.7	4.3	3.3	100.0	
TOTAL N	42	261	318	576	1532	1419	670	478	426	250	252	290	221		6735

(* < 0.05%)

STATION: LONF1

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

Month: SEP

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	0.3	0.1	0.1	*	*	*	*	*	-	0.1	*	0.1	1.2	78
1 - 3		1.3	1.3	1.2	1.3	0.9	0.7	0.6	0.7	0.5	0.7	0.7	1.1	11.0	703
4 - 6		0.8	1.2	2.5	2.9	3.1	2.9	1.7	1.2	0.9	0.7	1.0	0.9	19.8	1267
7 - 10		1.0	2.1	3.1	6.7	8.6	4.3	2.6	1.7	0.8	0.5	0.8	0.9	33.2	2125
11 - 15		0.5	1.3	2.4	8.3	7.6	2.1	1.6	0.8	0.4	0.5	0.6	0.3	26.3	1685
16 - 20		0.2	0.5	0.6	1.4	1.3	0.5	0.7	0.5	0.2	0.1	0.2	0.2	6.4	410
21 - 24		0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1	*	0.1	0.1	1.4	91
25 - 33		*	*	0.1	*	-	0.1	0.1	0.2	*	-	-	*	0.6	38
34 - 47		-	-	*	*	0.1	*	-	-	-	-	-	-	0.2	13
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	4.3	6.6	10.2	20.8	21.6	11.0	7.3	5.2	2.9	2.7	3.3	3.6	100.0	
TOTAL N	33	274	424	655	1334	1387	703	468	335	184	172	213	228		6410

(* < 0.05%)

STATION: LONF1

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

Month: OCT

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	0.2	0.1	*	*	0.1	*	*	*	*	-	*	0.1	1.1	71
1 - 3		1.0	1.0	1.0	0.7	0.8	0.5	0.4	0.3	0.3	0.4	0.4	0.8	7.5	500
4 - 6		1.1	1.6	2.0	2.2	2.1	1.4	1.0	0.5	0.3	0.6	0.7	0.8	14.2	941
7 - 10		1.9	3.8	4.5	4.7	3.6	1.7	0.8	0.5	0.6	0.6	0.7	0.9	24.4	1615
11 - 15		2.3	5.8	6.3	8.0	3.4	1.3	0.7	0.6	0.4	0.3	0.2	0.6	29.8	1977
16 - 20		1.2	3.3	5.2	4.3	1.3	0.5	0.8	0.3	0.1	0.1	*	0.2	17.4	1151
21 - 24		0.4	0.8	2.1	0.3	0.1	0.1	0.2	0.1	0.1	0.1	*	0.1	4.5	296
25 - 33		*	0.3	0.3	0.1	0.1	*	0.1	0.1	*	*	-	-	1.0	67
34 - 47		-	-	-	-	0.1	*	*	*	-	-	-	-	0.2	10
> 48		-	-	-	-	-	-	-	*	-	-	-	-	0.0	1
TOTAL %	0.5	8.1	16.6	21.3	20.3	11.5	5.6	4.0	2.5	1.9	2.0	2.2	3.4	100.0	
TOTAL N	30	534	1101	1413	1349	761	373	266	168	126	134	146	228		6629

(* < 0.05%)

STATION: LONF1

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

Month: NOV

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	0.1	0.1	*	*	-	-	-	-	-	-	*	0.1	0.6	39
1 - 3		0.8	0.7	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.9	4.9	335
4 - 6		1.2	1.5	1.2	0.9	0.7	0.7	0.3	0.4	0.1	0.2	0.7	0.8	8.6	590
7 - 10		3.3	5.2	3.8	4.2	2.9	1.1	0.4	0.2	0.2	0.3	0.7	1.4	23.8	1633
11 - 15		4.9	9.5	5.9	7.7	5.1	1.2	0.3	0.2	0.2	0.1	0.6	1.6	37.4	2571
16 - 20		3.0	5.9	4.3	2.8	1.0	0.2	0.1	0.1	0.1	0.1	0.2	0.8	18.5	1272
21 - 24		1.1	1.5	1.4	0.3	*	0.1	0.1	0.1	-	-	0.1	0.1	4.7	325
25 - 33		0.3	0.3	0.4	0.1	-	-	0.2	0.1	-	*	0.1	*	1.5	101
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	14.6	24.8	17.3	16.3	10.0	3.5	1.5	1.4	0.9	1.0	2.8	5.7	100.0	
TOTAL N	19	1002	1703	1190	1121	686	237	103	94	61	72	190	388		6866

(* < 0.05%)

STATION: LONF1

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	0.3	0.1	*	-	*	*	-	-	*	-	*	-	*	0.5	36
1 - 3		0.8	0.7	0.4	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.6	4.7	323
4 - 6		1.9	2.4	2.3	1.4	1.2	0.9	0.6	0.5	0.4	0.5	0.6	1.1	13.8	939
7 - 10		3.4	5.9	5.2	5.7	4.0	1.5	1.3	0.6	0.4	0.4	0.8	1.7	30.9	2108
11 - 15		5.5	8.0	4.2	6.0	4.0	1.4	0.5	0.4	0.2	0.5	0.7	2.0	33.5	2283
16 - 20		2.8	3.6	1.5	1.0	0.9	0.2	*	0.1	0.1	0.1	0.6	1.7	12.6	857
21 - 24		0.8	0.7	0.2	0.1	0.1	*	*	*	-	0.1	0.4	0.7	3.2	218
25 - 33		0.1	0.1	-	0.1	0.1	-	*	*	-	*	0.2	0.2	0.9	61
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	15.5	21.5	13.8	14.7	10.5	4.1	2.7	1.8	1.4	2.0	3.6	8.1	100.0	
TOTAL N	18	1057	1466	940	1000	720	283	185	122	97	135	249	553		6825

(* < 0.05%)

STATION: LONF1

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	0.4	0.2	*	*	*	*	*	*	*	*	*	*	0.1	1.0	723
1 - 3		1.1	0.9	0.8	0.6	0.7	0.6	0.6	0.5	0.5	0.6	0.7	1.0	8.5	6282
4 - 6		1.1	1.4	1.7	1.9	2.3	1.9	1.3	1.1	0.7	0.7	0.9	0.9	15.7	11573
7 - 10		1.8	2.9	2.8	5.2	6.0	3.1	1.8	1.2	0.8	0.7	1.2	1.1	28.7	21078
11 - 15		2.2	3.5	3.0	7.5	6.5	2.2	1.0	0.7	0.5	0.4	0.9	1.2	29.8	21872
16 - 20		1.4	1.9	1.9	3.1	1.7	0.6	0.4	0.3	0.1	0.1	0.4	0.8	12.8	9380
21 - 24		0.5	0.5	0.6	0.3	0.1	0.1	0.1	0.1	*	0.1	0.2	0.3	2.8	2035
25 - 33		0.1	0.1	0.1	*	*	*	*	*	*	*	0.1	0.1	0.7	532
34 - 47		-	-	*	*	*	*	*	*	-	*	*	-	0.0	31
> 48		-	-	-	-	-	-	-	*	-	-	-	-	0.0	1

TOTAL %	0.4	8.3	11.2	10.8	18.8	17.3	8.6	5.2	3.9	2.7	2.7	4.4	5.5	100.0	
TOTAL N	326	6117	8261	7929	13796	12747	6304	3858	2862	1981	1992	3255	4079		73507

(* < 0.05%)

STATION: LONF1

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	0.5	0.1	*	*	*	*	*	*	*	*	*	*	*	0.1	0.9	153
1 - 3		1.1	0.9	0.6	0.5	0.4	0.3	0.3	0.2	0.4	0.4	0.4	1.0	6.6	1133	
4 - 6		1.7	2.2	2.1	1.3	1.4	1.2	0.7	0.6	0.5	0.4	0.6	1.1	13.9	2387	
7 - 10		3.0	5.2	4.0	4.5	3.8	2.4	1.4	0.7	0.5	0.4	0.8	1.4	28.1	4840	
11 - 15		4.1	6.2	3.6	5.5	4.8	2.2	0.7	0.6	0.3	0.4	0.9	2.0	31.5	5429	
16 - 20		2.8	2.9	1.5	1.8	1.4	0.7	0.2	0.2	0.1	0.1	0.6	1.7	14.1	2426	
21 - 24		1.0	0.7	0.4	0.3	0.1	0.1	*	*	*	0.1	0.4	0.8	4.0	686	
25 - 33		0.2	0.1	0.1	0.1	0.1	*	*	*	*	*	0.2	0.3	1.0	179	
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.5	14.1	18.2	12.3	14.0	12.2	6.9	3.4	2.3	1.9	1.9	4.0	8.4	100.0		
TOTAL N	83	2428	3143	2120	2406	2094	1184	582	395	332	333	690	1443		17233	

(* < 0.05%)

STATION: LONF1

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	0.4	0.2	*	*	*	*	*	*	*	*	*	*	0.1	0.9	156
1 - 3		1.1	0.8	0.6	0.4	0.6	0.5	0.7	0.5	0.6	0.6	0.8	1.1	8.1	1395
4 - 6		1.0	0.9	1.0	1.4	2.0	1.6	1.2	1.0	0.7	0.8	1.4	1.1	14.1	2426
7 - 10		1.4	1.7	1.3	3.9	5.3	3.0	2.0	1.3	0.9	0.9	1.8	1.3	24.8	4261
11 - 15		1.8	1.8	1.8	7.7	7.6	3.1	1.5	0.8	0.6	0.6	1.7	1.6	30.6	5250
16 - 20		1.3	1.2	2.0	5.5	3.1	1.3	0.5	0.3	0.2	0.2	0.7	1.1	17.5	3007
21 - 24		0.4	0.3	0.6	0.6	0.2	0.1	0.1	*	*	0.1	0.2	0.5	3.1	527
25 - 33		0.1	0.1	*	*	*	*	*	-	*	*	0.2	0.2	0.7	121
34 - 47		-	-	-	-	-	*	-	-	-	*	*	-	0.0	8
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	7.3	6.9	7.3	19.5	18.8	9.7	5.9	4.1	3.0	3.2	6.9	7.0	100.0	
TOTAL N	73	1252	1179	1256	3349	3217	1666	1017	701	520	542	1176	1203		17151

(* < 0.05%)

STATION: LONF1

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	0.5	0.2	*	*	*	*	*	*	*	*	*	0.1	*	1.2	226
1 - 3		1.1	1.1	1.0	0.8	1.0	1.0	1.2	0.7	0.7	1.0	1.0	1.1	11.5	2216
4 - 6		0.7	0.9	1.6	2.8	3.6	2.9	2.3	1.9	1.1	1.1	1.1	0.6	20.6	3962
7 - 10		0.7	1.0	2.0	7.1	9.5	4.7	2.5	2.1	1.4	1.1	1.5	0.8	34.4	6604
11 - 15		0.5	0.5	1.6	8.7	8.3	2.2	0.9	0.9	0.6	0.5	0.7	0.4	25.8	4960
16 - 20		0.1	0.1	0.5	2.4	1.4	0.2	0.3	0.3	0.1	0.1	0.1	0.1	5.8	1114
21 - 24		*	*	*	0.2	0.1	*	0.1	0.1	*	*	*	*	0.6	110
25 - 33		-	*	*	*	*	*	*	*	-	*	*	*	0.1	26
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	3.3	3.7	6.7	22.0	23.9	11.1	7.4	6.1	3.9	3.8	4.4	3.1	100.0	
TOTAL N	88	627	711	1295	4237	4602	2141	1422	1169	758	739	840	589		19218

(* < 0.05%)

STATION: LONF1

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

Months: SEP, OCT, NOV (Autumn)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	0.2	0.1	*	*	*	*	*	*	*	*	*	*	0.9	188
1 - 3		1.0	1.0	0.8	0.8	0.7	0.5	0.4	0.4	0.3	0.5	0.5	0.9	7.7	1538
4 - 6		1.0	1.4	1.9	1.9	1.9	1.7	1.0	0.7	0.4	0.5	0.8	0.8	14.1	2798
7 - 10		2.1	3.8	3.8	5.2	5.0	2.3	1.2	0.8	0.6	0.5	0.8	1.1	27.0	5373
11 - 15		2.6	5.6	4.9	8.0	5.3	1.5	0.9	0.6	0.3	0.3	0.5	0.9	31.3	6233
16 - 20		1.5	3.3	3.4	2.9	1.2	0.4	0.5	0.3	0.2	0.1	0.2	0.4	14.2	2833
21 - 24		0.6	0.8	1.2	0.2	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	3.6	712
25 - 33		0.1	0.2	0.3	0.1	*	*	0.1	0.1	*	*	*	*	1.0	206
34 - 47		-	-	*	*	0.1	*	*	*	-	-	-	-	0.1	23

> 48	-	-	-	-	-	-	-	-	*	-	-	-	-	-	0.0	1
TOTAL %	0.4	9.1	16.2	16.4	19.1	14.2	6.6	4.2	3.0	1.9	1.9	2.8	4.2	100.0		
TOTAL N	82	1810	3228	3258	3804	2834	1313	837	597	371	378	549	844		19905	

(* < 0.05%)

Summary complete: 08-Sep-2003 23:42:09