

STATION: SANF1

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (1/1991 - 12/2001) (91693 RECORDS, 97.7% 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			
33	-	-	-	-	-	-	-	-	-	-	1	#	1	#	1	#	1	#	-	-	-	-	-	-	-	4	#		
32	-	-	-	-	-	-	-	-	-	-	6	999	2	999	31	999	6	999	4	#	-	-	-	-	-	49	999		
31	-	-	-	-	-	-	-	-	1	#	44	999	75	999	294	996	134	999	15	999	-	-	-	-	-	563	999		
30	-	-	-	-	-	-	-	-	7	999	281	993	905	989	1596	958	610	981	45	997	-	-	-	-	-	3444	993		
29	-	-	1	#	3	#	4	#	58	999	1503	957	3705	866	3584	755	2789	899	431	992	5	#	-	-	-	12083	956		
28	-	-	-	-	10	999	36	999	807	992	3426	761	2119	359	1770	297	2691	523	1919	935	100	999	-	-	-	12878	824		
27	3	#	14	999	71	998	337	995	2502	891	1889	316	354	69	380	71	714	160	2050	682	991	986	76	#	9381	683			
26	223	999	180	998	354	990	1290	952	2387	579	376	70	84	20	111	22	292	63	1410	411	1410	853	564	990	8681	581			
25	744	971	729	972	1387	946	2547	787	1262	281	115	21	36	9	50	8	120	24	955	225	1351	665	1445	918	10741	487			
24	1161	874	1331	868	1797	774	1522	461	585	124	32	6	16	4	7	2	45	8	526	100	1136	484	1181	731	9339	369			
23	1172	723	1102	678	1303	552	917	266	235	51	12	2	10	2	6	1	8	2	172	30	1279	332	1011	579	7227	268			
22	881	571	748	521	910	391	516	149	112	22	1	*	2	*	-	-	4	1	42	8	549	161	940	449	4705	189			
21	813	457	697	414	684	279	337	83	42	8	-	-	-	-	-	-	-	-	5	2	296	87	860	328	3734	137			
20	610	351	712	314	571	194	190	40	19	2	-	-	-	-	-	-	-	-	8	1	172	48	506	217	2788	97			
19	592	272	536	213	394	124	88	16	-	-	-	-	-	-	-	-	-	-	2	*	105	25	420	152	2137	66			
18	492	195	387	136	220	75	35	4	-	-	-	-	-	-	-	-	-	-	-	-	54	11	300	98	1488	43			
17	359	131	229	81	152	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	3	200	59	965	27			
16	236	85	145	48	102	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105	34	588	16	
15	211	54	61	28	75	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	20	421	10	
14	105	27	39	19	33	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	11	228	5	
13	55	13	30	13	22	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	4	138	3	
12	34	6	19	9	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	55	1	
11	11	1	20	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	1	
10	-	-	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	*	
9	-	-	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	*	
8	-	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	*	
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	21.2		21.6		22.5		24.2		26.0		27.8		28.6		28.8		28.3		26.6		24.3		22.4		25.2				
S.D.	3.0		2.8		2.5		1.7		1.4		1.0		0.9		1.0		1.1		1.5		2.0		2.7		3.4				
TOTAL	7702		7005		8089		7819		8017		7686		7309		7830		7414		7584		7473		7765		91693				
MAX	26.7		28.8		29.4		29.4		30.8		32.6		32.7		32.6		32.7		31.9		28.9		27.4		32.7				
DATE	1993010900	2001020217	2001031720	2001042517	2001052419	2001062416	1993072221	2001082419	2000091420	2000100618	2000112619	2000121316	2000091420	2000100618	2000112619	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316	2000121316
MIN	10.9		7.5		12.3		17.5		19.8		22.2		21.6		22.6		21.8		19.2		16.6		12.4		7.5				
DATE	1996010915	1996020514	1993031513	1996040300	1992050810	1997061000	2001071015	2001080205	2001092912	2001102808	1993110118	1996122012	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514	1996020514

STATION: SANF1

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (5/1991 - 12/2001) (86784 RECORDS, 92.5% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#	
32	-	-	-	-	-	-	-	-	-	-	-	-	17	#	144	#	-	-	-	-	-	-	-	-	-	-	161	#
31	-	-	-	-	-	-	-	-	-	-	27	#	1077	998	1947	982	362	#	-	-	-	-	-	-	-	3413	998	
30	-	-	-	-	-	-	-	61	#	1133	996	3648	850	4356	733	3311	951	39	#	-	-	-	-	-	12548	959		
29	-	-	-	-	-	3	#	497	992	3333	838	2528	351	1304	176	3213	505	1842	995	-	-	-	-	-	12720	814		
28	-	-	-	-	-	29	999	1305	926	2312	371	37	5	76	10	529	71	3309	738	215	#	-	-	-	7812	668		
27	-	-	-	-	4	#	363	995	2805	755	322	47	-	-	-	-	-	1791	278	2314	968	288	#	7887	578			
26	110	#	15	#	231	999	1525	944	1888	385	16	2	-	-	-	-	-	209	29	2983	626	787	962	7764	487			
25	968	985	693	998	1575	968	3092	730	839	136	-	-	-	-	-	-	-	-	1049	184	3261	857	11477	397				
24	1876	851	1633	888	1782	754	1761	294	190	26	-	-	-	-	-	-	-	-	-	155	29	2101	424	9498	265			
23	2338	592	1635	631	2344	511	315	46	6	1	-	-	-	-	-	-	-	-	-	41	6	759	146	7438	156			
22	1248	268	1108	373	862	192	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222	45	3446	70		
21	463	96	671	198	319	75	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99	15	1560	30		
20	138	32	362	92	94	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	2	611	12	
19	72	13	194	35	82	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	348	5	
18	21	3	26	4	54	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	1	
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	23.1		22.7		23.4		24.9		26.7		28.7		29.8		30.1		29.4		27.9		26.1		24.5		26.5			
S.D.	1.3		1.5		1.4		0.9		1.1		0.7		0.6		0.7		0.7		0.8		0.8		1.1		2.8			
TOTAL	7234		6337		7347		7102		7591		7143		7307		7827		7415		7190		6757		7534		86784			
MAX	26.1		25.7		26.5		28.8		30.3		31.3		31.9		32.4		31.2		30.1		27.9		27.3		32.4			
DATE	1993010623	1994022519	1995033121	1994042623	1997052721	1998062923	1999072900	1997080823	1996090722	1998101222	1996110221	1994120522	1997080823	1996011012	1996021810	1996031312	1996040312	1998051504	1993060212	1999070412	1996082714	1998092614	2001102806	2000112910	1997121915	1996021810	1996021810	1996021810
MIN	17.9		17.6		17.7		21.2		22.5		26.0		28.1		27.6		27.6		25.9		23.0		20.0		17.6			

STATION: SANF1

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (5/1991 - 12/2001) (86762 RECORDS, 92.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF
6	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
5	-	-	6	999	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	999
4	7	#	42	999	22	999	1	#	3	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	999
3	30	999	109	992	143	997	16	999	7	999	8	#	-	-	-	-	1	#	1	#	13	#	-	-	328	999
2	113	995	333	975	294	977	118	998	52	999	51	999	8	#	17	#	12	999	25	999	60	998	119	#	1202	995
1	874	979	931	923	1064	937	753	981	366	992	276	992	136	999	237	998	213	998	139	996	298	989	566	984	5853	981
0	1426	858	1266	776	1747	792	2385	875	2420	944	1623	953	1007	980	804	968	1253	970	1438	977	1358	945	1323	909	18050	914
-1	1043	661	1116	576	1668	555	1965	539	3405	625	3743	726	4278	842	4242	865	3770	800	2885	777	1771	744	1323	733	31209	706
-2	991	517	865	400	1065	328	951	262	948	176	1151	202	1423	257	1950	323	1534	292	1693	375	1235	482	1331	558	15137	346
-3	853	380	848	263	614	183	513	128	213	51	205	41	353	62	407	74	414	85	711	140	1064	299	1118	381	7313	172
-4	670	262	395	129	349	99	241	56	134	23	56	12	61	14	119	22	129	29	213	41	443	141	580	232	3390	87
-5	574	170	227	67	183	51	113	22	37	5	24	4	24	5	36	7	66	12	60	11	208	76	415	155	1967	48
-6	293	90	89	31	76	27	24	6	4	1	6	1	11	2	10	2	16	3	12	3	148	45	393	100	1082	26
-7	146	50	45	17	78	16	21	3	-	-	-	-	4	1	5	1	4	1	7	1	89	23	174	48	573	13
-8	118	30	27	10	30	6	-	-	-	-	-	-	1	*	-	-	-	-	1	*	43	10	82	25	302	7
-9	53	13	16	6	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	4	62	14	161	3
-10	35	6	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	35	6	82	1
-11	8	1	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1	21	*
-12	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*
-13	-	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	*
-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
MEAN	-2.0		-1.2		-1.0		-0.9		-0.8		-0.9		-1.1		-1.2		-1.1		-1.3		-1.7		-2.1		-1.3	
S.D.	2.4		2.1		1.9		1.4		1.0		0.9		0.8		0.9		1.0		1.1		1.8		2.3		1.6	
TOTAL	7234		6336		7346		7101		7589		7143		7306		7827		7412		7185		6754		7529		86762	
MAX	4.1		5.8		5.3		4.0		3.9		3.3		2.1		2.2		2.5		2.5		3.3		2.4		5.8	
DATE	2001013118		2001020217		2001031720		2001042517		1998051504		2001062416		1993072221		2000081014		2000092620		2000100520		2000112619		2000121316		2001020217	
MIN	-10.7		-13.3		-8.9		-7.2		-6.3		-6.2		-8.1		-7.0		-6.8		-7.5		-10.3		-10.7		-13.3	
DATE	2001010100		1996020514		1998031216		2000040517		1994050511		1992062416		2001071015		2000080704		2001090605		2001102808		1993110118		2000123119		1996020514	

(* < 0.05% , # = 100.0%)

STATION: SANF1

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (1/1991 - 12/2001) (91119 RECORDS, 97.1% 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
1033	-	-	3	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#
1032	-	-	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999
1031	3	#	3	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	999
1030	11	999	7	999	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	#	23	999
1029	28	998	5	998	5	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	41	999
1028	30	995	15	997	7	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	999	81	999
1027	50	991	21	995	18	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	995	118	998
1026	95	984	41	992	45	996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	41	992	226	997
1025	184	972	85	986	63	990	12	#	-	-	-	-	-	-	-	-	-	-	-	-	9	999	62	986	415	995
1024	293	948	111	974	82	983	37	998	-	-	-	-	-	-	-	-	-	-	3	#	33	998	113	979	672	990
1023	410	910	267	958	152	973	48	994	-	-	-	-	-	-	-	-	-	-	15	999	124	994	232	964	1248	983
1022	520	856	495	920	211	954	78	988	8	#	2	#	16	#	-	-	-	-	36	998	230	977	409	934	2005	969
1021	693	789	701	849	420	928	243	978	58	999	38	999	170	998	33	#	5	#	55	993	373	946	683	881	3472	947
1020	882	699	1005	749	593	876	442	947	175	992	154	994	573	975	176	996	20	999	103	986	542	897	908	794	5573	909
1019	885	584	1014	606	787	802	730	890	379	970	476	973	1038	896	620	973	102	997	209	972	778	824	1145	677	8163	848
1018	864	469	788	461	963	705	946	797	736	922	991	907	1460	754	1237	894	267	983	534	944	1005	720	1134	529	10925	758
1017	798	356	632	348	994	586	1010	676	1182	830	1363	769	1372	554	1526	736	549	947	917	874	889	585	882	383	12114	638
1016	578	252	508	258	889	463	1106	547	1542	681	1407	579	1056	366	1368	541	992	873	1130	753	845	466	648	270	12069	505
1015	450	177	369	186	787	353	905	405	1377	488	1005	384	800	222	986	366	1051	739	1200	604	759	353	506	186	10195	373
1014	297	119	263	133	653	256	754	289	1033	315	646	244	468	112	652	240	1085	597	1075	446	635	252	331	121	7892	261
1013	211	80	209	96	495	175	533	193	613	185	501	154	246	48	489	157	1104	451	834	304	505	167	257	79	5997	174
1012	122	53	135	66	336	114	421	125	355	108	245	84	82	15	330	95	943	302	510	194	287	99	111	45	3877	108
1011	106	37	78	46	259	72	291	71	198	64	167	50	20	3	185	53	650	174	375	127	143	61	103	31	2575	66
1010	83	23	61	35	165	40	166	34	122	39	73	27	5	1	119	29	292	87	232	78	75	41	64	18	1457	38
1009	33	12	31	27	70	20	67	13	64	24	37	17	-	-	73	14	123	47	142	47	64	31	24	10	728	22
1008	35	8	34	22	36	11	17	4	58	16	29	12	-	-	32	4	73	31	62	28	42	23	35	7	453	14
1007	17	3	17	17	13	7	7	2	25	8	25	8	-	-	2	*	41	21	35	20	20	17	11	2	213	9
1006	7	1	20	15	13	5	3	1	19	5	17	4	-	-	-	-	30	15	36	16	16	14	5	1	166	6
1005	1	*	20	12	11	4	3	1	11	3	1	2	-	-	-	-	21	11	31	11	13	12	-	-	112	4
1004	-	-	13	9	8	2	1	*	8	1	9	2	-	-	-	-	17	8	19	7	12	11	-	-	87	3
1003	-	-	16	7	6	1	-	-	3	*	2	*	-	-	-	-	14	6	11	4	26	9	-	-	78	2
1002	-	-	18	5	1	1	-	-	-	-	-	-	-	-	-	-	9	4	1	3	12	5	-	-	41	1

1001	-	-	9	2	4	*	-	-	-	-	-	-	-	8	3	2	3	10	4	-	-	33	1		
1000	-	-	5	1	-	-	-	-	-	-	-	-	-	4	2	1	2	11	3	-	-	21	1		
999	-	-	1	*	-	-	-	-	-	-	-	-	-	1	1	1	2	2	1	-	-	5	*		
998	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	2	1	1	-	-	4	*		
997	-	-	2	*	-	-	-	-	-	-	-	-	-	2	1	2	2	2	1	-	-	8	*		
996	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	3	*	-	-	5	*		
995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	2	*		
994	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	3	1	-	-	-	-	4	*		
993	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	-	-	-	-	1	*		
992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	*		
991	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	1	1	-	-	-	-	2	*		
990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	*		
989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	*		
988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	-	-	-	-	2	*		
987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	*	-	-	-	-	1	*		
MEAN	1018.6		1018.2		1016.6		1016.0		1015.3		1015.7		1017.0		1015.9		1013.6		1014.5		1016.4		1018.1		1016.3
S.D.	3.7		3.8		3.5		2.9		2.4		2.4		2.0		2.3		2.7		3.0		3.5		3.2		3.3
TOTAL	7686		7005		8088		7820		7966		7188		7306		7828		7409		7585		7470		7768		91119
MAX	1031.1		1033.0		1029.9		1024.9		1021.9		1021.6		1022.1		1021.2		1021.1		1023.9		1026.4		1030.0		1033.0
DATE	2000011515		1996020515		1993031516		2001042116		1996050915		2001062715		1992072504		1996082415		1994090116		2001102915		2000112215		1991122015		1996020515
MIN	1005.1		996.7		1000.6		1004.4		1002.7		1002.7		1010.0		1007.1		990.5		987.0		995.9		1005.5		987.0
DATE	1996010310		1998020222		1993031307		1997042320		1993053123		1993060100		1995073122		1995080122		1998092513		1999101512		1998110509		1994122309		1999101512

(* < 0.05% , # = 100.0%)

STATION: SANF1

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (1/1991 - 12/2001) (92014 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	
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	1	#
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	1	999
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	1	999
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	2	999
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	1	999
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	1	999
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	1	999
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	1	999
43	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	3	999
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	2	999	2	#	-	-	-	-	5	999
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	-	-	-	-	-	-	1	999
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
39	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	999	-	-	4	999
38	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	#	-	-	2	999	1	999	-	-	5	999	
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	2	999	-	-	3	999	
36	-	-	-	-	1	#	1	#	1	#	-	-	-	-	-	1	998	1	999	2	999	-	-	-	-	7	999
35	-	-	3	999	-	-	1	999	-	-	-	-	-	-	-	4	998	-	-	1	999	-	-	-	-	9	999
34	1	#	9	999	1	999	1	999	-	-	-	-	-	-	-	1	998	2	999	5	999	2	#	22	999		
33	3	999	8	998	4	999	-	-	1	999	-	-	1	#	-	5	997	2	999	5	998	7	999	36	999		
32	4	999	9	997	9	999	1	999	1	999	1	999	1	999	-	1	997	3	998	8	997	6	999	44	999		
31	14	999	9	995	5	998	1	999	5	999	-	-	-	-	-	2	997	7	998	7	996	8	998	58	998		
30	16	997	13	994	6	998	-	-	3	999	-	-	-	-	2	999	9	996	13	997	8	995	15	997	85	998	
29	12	995	15	992	18	997	3	999	3	999	1	999	1	999	1	999	13	995	16	995	6	994	31	995	120	997	
28	34	994	24	990	24	995	5	999	3	998	-	-	1	999	2	999	8	993	26	993	14	994	20	991	161	996	
27	40	989	26	987	19	992	6	998	-	-	5	999	-	-	2	999	10	992	45	989	19	992	26	989	198	994	
26	68	984	57	983	49	989	17	998	8	998	3	999	1	999	2	999	15	991	60	983	44	989	47	985	371	992	
25	77	975	49	975	73	983	24	995	9	997	5	999	3	999	4	999	16	988	103	975	73	983	74	979	510	988	
24	81	965	71	968	85	974	46	992	9	996	9	998	4	999	8	998	24	986	120	960	81	974	81	970	619	982	
23	135	955	87	958	148	963	91	986	17	995	19	997	9	999	12	997	28	983	153	943	159	963	123	959	981	975	
22	207	937	109	945	181	945	140	975	42	993	22	994	23	997	17	996	26	979	195	922	168	941	150	943	1280	965	
21	251	910	165	930	246	922	199	957	72	987	45	992	19	995	29	994	56	975	241	895	270	919	207	924	1800	951	
20	256	878	180	906	218	891	252	931	115	978	35	986	48	992	42	990	62	967	264	861	298	883	193	897	1963	931	
19	411	844	288	881	349	864	394	899	236	964	86	981	102	986	96	985	91	958	324	824	508	843	339	873	3224	910	
18	396	791	324	839	351	821	404	849	224	935	110	970	116	973	123	973	127	945	317	779	489	775	379	829	3360	875	
17	406	740	286	793	353	777	364	797	285	907	150	956	136	959	152	958	179	927	293	735	469	710	435	780	3508	838	
16	461	687	353	752	378	733	436	751	319	871	225	937	213	942	188	940	239	901	356	694	596	647	576	724	4340	800	
15	478	627	449	702	429	685	519	695	400	831	254	909	266	915	227	917	267	867	378	644	541	567	652	650	4860	753	
14	479	565	411	638	398	632	483	628	340	781	272	876	292	882	309	889	295	829	326	591	510	495	627	566	4742	700	
13	506	503	429	579	450	582	580	567	487	739	389	842	487	846	366	852	337	787	414	545	497	427	662	485	5604	649	
12	654	437	596	518	590	526	642	492	596	678	531	792	659	785	544	807	495	739	484	488	606	360	726	400	7123	588	
11	522	352	455	433	410	452	523	410	471	604	526	724	565	703	532	741	396										

7	236	122	336	190	367	229	311	175	528	340	574	424	538	400	651	442	483	395	252	211	203	104	214	107	4693	264
6	216	91	310	142	374	183	287	135	513	274	643	351	566	333	694	362	551	326	306	176	178	77	197	80	4835	213
5	180	63	301	98	413	137	258	98	538	210	730	269	660	262	760	278	617	248	311	133	148	54	172	54	5088	160
4	127	40	162	55	235	85	177	65	386	143	447	176	437	180	489	185	405	160	246	89	98	34	98	32	3307	105
3	88	23	92	32	188	56	143	43	318	95	358	119	397	126	431	125	314	102	177	55	72	21	71	19	2649	69
2	56	12	66	19	140	32	96	24	235	56	307	74	303	76	318	73	200	57	115	30	43	11	43	10	1922	40
1	20	5	43	9	75	15	59	12	121	26	165	34	208	38	172	34	126	28	61	14	26	5	26	5	1102	19
0	16	2	21	3	43	5	35	4	89	11	105	13	100	12	107	13	73	10	40	6	13	2	11	1	653	7
MEAN		13.8		12.7		12.5		12.6		10.1		8.8		8.9		8.6		9.6		13.1		14.4		13.8		11.5
S.D.		5.6		5.8		6.1		5.3		5.2		4.7		4.6		4.6		5.5		6.4		5.3		5.2		5.8
TOTAL		7701		7006		8003		7817		8018		7850		8021		8199		7002		7154		7476		7767		92014
MAX		34.4		43.4		35.8		36.2		35.8		37.9		33.0		38.1		56.0		44.1		41.8		34.2		56.0
DATE	1997011410	1998020222	1999030316	2001043005	1991052203	1992062416	1992071303	1999080521	1998092522	1999101506	1994111418	1994122320	1998092522													
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	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	2001011218	2001022822	2001031821	2001042606	2001051708	2001062418	2001072107	2001082513	2001092912	2000100619	2000112622	1997121406	2001092912													

(* < 0.05% , # = 100.0%)

STATION: SANF1

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

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

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (1/1991 - 12/2001) (91968 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	
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	1	#
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	3	999
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
53	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
51	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	#	-	-	-	-	-	3	999
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	999	-	-	-	-	-	2	999
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	1	999	-	-	-	-	-	2	999
46	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	1	999	1	999	1	#	-	-	-	3	999
45	-	-	1	999	-	-	-	-	-	-	-	-	-	-	1	#	1	998	-	-	3	999	-	-	-	6	999
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	1	999	-	-	-	3	999
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	1	999	4	999	-	-	-	6	999
41	-	-	2	999	1	#	1	#	-	-	-	-	-	-	-	-	1	998	1	999	-	-	-	-	-	6	999
40	-	-	4	999	-	-	1	999	-	-	-	-	-	-	-	-	3	998	2	999	4	999	1	#	15	999	
39	1	#	4	999	-	-	1	999	1	#	-	-	2	#	-	-	4	997	-	-	3	998	1	999	17	999	
38	-	-	5	998	3	999	1	999	1	999	-	-	-	-	-	-	2	997	-	-	3	998	4	999	19	999	
37	1	999	9	997	2	999	-	-	-	-	-	-	-	-	-	-	3	997	4	999	6	997	5	999	30	999	
36	7	999	8	996	7	999	-	-	3	999	1	999	-	-	-	-	3	996	2	998	5	997	5	999	41	999	
35	9	999	9	995	6	998	1	999	4	999	-	-	-	-	1	999	4	996	11	998	7	996	8	998	60	998	
34	14	998	14	994	8	998	1	999	4	999	-	-	1	999	1	999	3	995	7	996	3	995	15	997	71	998	
33	16	996	21	992	22	997	4	999	1	998	1	999	-	-	-	-	10	995	17	995	11	995	22	995	125	997	
32	27	994	22	989	8	994	2	999	3	998	3	999	1	999	2	999	9	993	19	993	10	993	27	992	133	995	
31	33	990	23	986	23	993	3	998	4	998	-	-	-	-	1	999	9	992	31	990	14	992	16	989	157	994	
30	36	986	23	982	32	990	11	998	2	997	4	999	1	999	2	999	7	991	45	986	23	990	38	987	224	992	
29	72	981	39	979	54	986	15	997	5	997	1	999	1	999	7	999	18	990	54	980	37	987	36	982	339	990	
28	57	972	41	973	40	979	20	995	7	997	4	999	2	999	5	998	17	987	87	972	54	982	48	977	382	986	
27	71	965	49	968	79	974	45	992	9	996	7	998	1	999	4	998	13	985	95	960	77	975	66	971	516	982	
26	137	955	111	961	151	964	84	986	14	995	14	997	9	999	10	997	22	983	155	947	144	964	128	962	979	976	
25	171	938	96	945	154	946	113	976	29	993	24	995	13	998	13	996	34	980	160	925	166	945	141	946	1114	966	
24	177	915	111	931	166	926	128	961	46	989	27	992	21	996	14	994	25	975	174	903	150	923	142	928	1181	954	
23	233	892	143	915	219	906	205	945	65	983	35	989	27	994	31	993	55	971	224	878	261	903	189	909	1687	941	
22	255	862	206	895	223	878	263	919	133	975	45	984	52														

18	427	688	305	750	334	732	389	752	310	874	196	942	157	943	157	941	211	904	306	696	478	648	503	727	3773	802
17	373	632	325	707	328	690	414	702	282	836	205	917	210	923	200	922	227	874	327	653	484	584	538	663	3913	761
16	462	584	416	660	374	649	462	649	349	800	251	891	286	897	235	898	243	842	312	607	490	519	595	593	4475	718
15	441	524	405	601	415	602	488	590	393	757	308	859	371	862	344	869	302	807	337	563	467	453	611	517	4882	669
14	444	466	353	543	360	550	445	528	390	708	334	819	427	815	328	827	302	764	343	516	444	391	545	438	4715	616
13	508	409	456	493	428	505	483	471	456	659	439	777	527	762	436	787	391	721	383	468	435	331	523	368	5465	565
12	548	343	510	428	475	452	599	409	543	602	578	721	652	696	600	734	479	665	417	415	427	273	566	300	6394	506
11	433	272	370	355	403	392	435	332	486	534	519	647	553	615	577	660	438	596	374	356	325	216	375	228	5288	436
10	362	215	377	302	419	342	394	277	500	474	577	581	560	546	595	590	457	534	333	304	271	172	310	179	5155	379
9	325	168	375	248	431	290	357	226	536	411	603	508	628	476	679	517	504	469	320	257	230	136	234	139	5222	323
8	264	126	322	195	362	236	330	180	496	344	599	431	553	398	645	435	516	397	277	213	198	105	232	109	4794	266
7	174	92	259	149	323	190	258	138	473	282	567	354	468	329	595	356	471	323	248	174	165	79	154	79	4155	214
6	157	69	253	112	337	150	213	105	427	223	561	282	506	270	614	283	482	256	255	139	113	57	148	59	4066	169
5	138	49	230	76	310	108	224	78	489	170	611	211	562	207	602	208	500	187	285	104	127	42	132	40	4210	124
4	107	31	129	43	212	69	150	49	298	109	340	133	365	137	405	135	299	115	181	64	74	25	71	23	2631	79
3	62	17	66	24	155	43	95	30	261	72	302	89	322	92	300	85	234	73	128	38	59	15	54	14	2038	50
2	45	9	64	15	105	23	81	18	167	39	222	51	243	51	230	49	150	39	83	21	23	7	34	7	1447	28
1	13	3	26	6	53	10	34	8	89	18	108	23	123	21	98	21	87	18	43	9	21	4	18	3	713	12
0	10	1	15	2	28	4	25	3	58	7	70	9	46	6	71	9	37	5	21	3	7	1	5	1	393	4
MEAN		15.5		14.3		14.0		14.1		11.3		9.9		10.0		9.8		10.8		14.7		16.1		15.5		12.9
S.D.		6.3		6.6		6.8		5.9		5.7		5.1		5.0		5.0		6.1		7.1		6.0		5.8		6.4
TOTAL		7697		7005		8000		7815		8009		7847		8016		8193		7000		7150		7470		7766		91968
MAX		38.5		52.9		41.2		41.0		39.3		45.5		38.7		44.7		71.3		50.5		45.9		39.7		71.3
DATE	1997011410	1998020222	1999030316	2001043005	1991052203	1992062416	1992071303	1999080521	1998092514	1999101507	1994111418	1994122320	1998092514													
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	2001011218	2001021712	2001031821	2001042606	2001051708	2001062418	2001071702	2001082513	2001092912	1998101118	2000112622	1997121406	2001092912													

STATION: SANF1

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (1/1991 - 12/2001) (67198 RECORDS, 21.9% 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	
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	2	#
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
71	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	3	999
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	2	999
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	1	999
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	-	-	-	-	-	1	999
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	999
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	-	-	-	-	-	1	999
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	998	2	999	-	-	-	-	-	4	999
53	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	1	998	1	999	-	-	-	-	-	3	999
52	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	1	997	-	-	-	-	-	-	-	2	999
51	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	3	999
50	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	1	997	-	-	-	-	-	-	-	2	999
49	-	-	1	999	1	999	-	-	-	-	1	#	-	-	-	-	1	997	-	-	1	#	-	-	-	5	999
48	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	-	3	999	1	999	-	-	-	5	999
47	-	-	1	999	1	999	1	#	-	-	-	-	-	-	-	-	-	-	2	998	2	999	-	-	-	7	999
46	-	-	2	999	-	-	-	-	1	#	1	999	-	-	-	-	1	997	2	998	1	999	-	-	-	8	999
45	-	-	1	999	-	-	1	999	-	-	1	999	-	-	1	#	2	997	1	998	2	999	-	-	-	9	999
44	-	-	1	998	-	-	1	999	-	-	1	999	-	-	1	999	3	996	1	998	3	999	1	#	-	12	999
43	-	-	2	998	1	999	2	999	2	999	-	-	3	#	1	999	1	996	-	-	1	998	-	-	-	13	999
42	-	-	12	998	1	999	1	999	-	-	-	-	1	999	-	-	3	996	1	997	2	998	1	999	22	999	
41	-	-	11	996	1	999	2	999	4	999	1	999	2	999	1	999	7	995	3	997	2	998	3	999	37	998	
40	4	#	12	993	2	999	1	998	2	999	1	999	-	-	2	999	7	994	1	997	6	998	2	999	40	998	
39	3	999	13	991	2	998	2	998	3	998	1	999	4	999	1	999	5	993	6	996	3	997	10	999	53	997	
38	4	999	8	989	8	998	-	-	2	998	3	999	-	-	3	999	4	992	8	995	1	996	9	997	50	996	
37	10	998	6	987	5	996	1	998	4	997	1	998	3	998	4	998	7	991									

32	32	984	30	974	34	984	9	996	6	995	5	996	7	995	8	995	10	982	59	978	17	988	22	982	239	988
31	32	979	29	969	45	978	14	994	4	994	6	995	5	994	5	994	13	981	71	968	36	985	32	978	292	984
30	49	973	53	963	37	970	16	991	4	993	9	994	7	993	9	993	24	978	74	955	56	979	27	973	365	980
29	61	964	49	953	75	963	33	988	3	992	6	992	9	992	20	992	30	974	127	942	59	970	48	968	520	974
28	78	953	68	944	85	949	45	981	10	992	6	991	12	990	15	988	28	969	126	920	109	961	67	959	649	967
27	81	939	55	932	92	933	70	972	21	990	15	990	7	988	8	986	27	964	143	898	128	943	93	947	740	957
26	177	925	108	921	165	916	121	958	34	986	20	987	24	987	39	984	42	959	200	872	183	922	117	930	1230	946
25	171	894	120	901	134	886	155	934	61	980	28	984	24	983	24	978	56	951	173	837	211	892	148	909	1305	928
24	165	863	140	879	127	861	178	902	93	969	19	979	42	979	42	974	49	941	178	806	239	857	131	882	1403	908
23	233	834	176	853	173	838	215	866	144	952	47	976	58	972	72	967	85	932	212	775	266	818	184	859	1865	887
22	252	793	202	820	215	806	223	823	153	925	54	967	81	962	69	955	97	917	225	738	287	774	228	826	2086	859
21	287	748	218	783	247	766	214	778	177	897	90	958	99	948	104	943	131	900	238	698	361	727	333	785	2499	828
20	264	697	196	742	225	721	207	735	181	865	109	942	109	931	126	926	142	876	210	656	391	668	350	725	2510	791
19	383	650	330	706	315	679	323	693	263	831	191	923	207	912	179	905	262	851	288	619	445	604	492	661	3678	754
18	308	582	314	645	281	621	307	628	221	783	165	889	209	877	196	875	212	803	252	568	386	531	429	573	3280	699
17	284	528	277	586	237	569	279	566	236	743	201	860	221	841	224	842	206	765	257	524	325	467	354	495	3101	650
16	353	477	302	535	302	525	331	510	276	699	230	825	287	803	275	804	248	728	287	478	378	414	391	432	3660	604
15	337	415	302	479	291	470	301	443	248	649	289	784	371	754	324	758	265	684	264	428	370	352	357	361	3719	550
14	342	355	265	423	259	416	262	382	246	603	308	733	354	691	312	704	249	636	247	381	291	291	253	297	3388	494
13	306	294	289	373	270	368	314	329	276	558	368	679	410	630	417	651	350	592	278	338	319	243	271	251	3868	444
12	332	240	336	320	273	319	266	266	352	507	462	614	480	560	532	582	464	529	290	289	300	191	288	202	4375	386
11	237	181	254	257	251	268	203	212	309	443	378	532	441	478	501	492	391	445	242	237	185	142	212	150	3604	321
10	189	139	239	210	255	222	187	171	318	386	388	466	368	402	443	408	356	375	195	195	166	111	139	112	3243	268
9	145	105	221	166	229	175	171	134	342	328	451	397	438	339	448	334	364	311	201	160	132	84	140	87	3282	219
8	116	80	196	125	181	133	133	99	310	265	447	318	318	264	355	259	390	246	181	125	135	63	106	62	2868	171
7	81	59	164	88	151	99	109	72	299	208	360	239	308	210	331	199	300	176	150	93	69	40	87	43	2409	128
6	84	45	148	58	134	71	82	50	251	153	344	175	298	157	309	144	270	122	164	67	68	29	61	27	2213	92
5	80	30	109	30	132	47	77	34	305	107	308	115	277	106	288	92	219	73	115	38	70	18	48	16	2028	59
4	52	15	35	10	67	22	46	18	146	51	178	60	184	59	149	44	106	34	53	17	27	6	25	7	1068	29
3	23	6	9	4	37	10	27	9	89	24	105	29	112	27	78	19	53	15	34	8	8	2	13	3	588	13
2	5	2	6	2	12	3	13	3	32	8	43	10	40	8	27	6	27	5	9	2	3	1	3	1	220	4
1	1	1	3	1	4	1	4	1	8	2	8	3	8	1	8	1	3	1	2	*	1	*	-	-	50	1
0	6	1	1	*	1	*	-	-	2	*	8	1	-	-	-	-	-	-	-	-	-	-	-	-	18	*
MEAN		17.2		16.4		16.4		16.4		13.1		11.6		12.2		12.2		13.4		17.4		17.9		17.5		15.1
S.D.		6.4		7.1		7.1		6.1		6.2		5.5		5.5		5.5		7.0		7.6		6.2		6.0		6.8
TOTAL		5635		5383		5422		4956		5447		5670		5844		5965		5567		5669		6093		5547		67198
MAX		40.0		53.3		70.6		46.9		45.9		49.0		43.2		44.7		74.1		57.2		49.2		44.1		74.1
DATE	1999010309	1998020222	1993031309	1999041721	1991052202	1992062417	1992071303	1999080521	1998092514	1999101506	1998110508	2000121921	1998092514													
MIN	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	2.3	0.0		
DATE	1991012923	1998021323	1999032705	2001041602	1999052015	1998061301	2000071911	1999082613	1999090401	2000100110	2000112623	2000121707	1999052015													

(* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: SANF1

(A) TOTAL STDNET RECORDS READ = 93861
 (B) TOTAL CWIND RECORDS READ = 307495
 (C) TOTAL RECORDS USED IN STATS = 401356

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	91693	86784	86762	0	91119	92014	91968	67198	0	0	0	0
(E) ELEMENT OUT OF RANGE	2168	7077	7099	93861	2742	1847	1893	240297	93861	93861	93861	93861

STATION: SANF1 -- POR (1/1991 - 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
1991	MEAN	23.0	22.1	23.3	25.3	26.6	27.7	-	28.6	28.2	25.9	23.3	22.7	24.7
	MAXIMUM	26.2	24.9	26.1	27.8	28.1	30.5	-	30.3	29.7	27.4	26.6	26.0	30.5
	DAY-HR	16-02	02-21	30-23	26-00	31-22	19-22	-	21-02	07-02	24-21	02-17	03-05	JUN
	MINIMUM	18.3	11.1	15.9	19.8	22.6	22.6	-	24.5	24.0	22.1	16.7	16.2	11.1
	DAY-HR	23-11	16-16	11-14	01-05	21-09	07-02	-	25-06	02-07	26-12	10-16	04-22	FEB
	# OBS	467	669	742	717	741	542	-	331	264	222	711	742	6148
1992	MEAN	20.7	21.8	22.1	23.2	24.5	27.4	28.4	28.5	27.8	26.2	25.0	22.6	24.9
	MAXIMUM	24.6	25.9	25.7	26.1	27.4	30.3	30.5	29.8	30.1	30.3	27.6	25.6	30.5
	DAY-HR	30-22	26-02	07-20	21-18	31-23	11-21	31-19	27-21	20-18	17-20	04-22	07-21	JUL
	MINIMUM	14.2	16.3	17.4	17.5	19.8	22.9	24.6	24.5	24.5	23.2	17.4	17.4	14.2
	DAY-HR	17-11	02-11	13-14	29-11	08-10	24-16	13-08	24-16	13-11	26-14	30-09	13-16	JAN
	# OBS	740	688	741	672	708	720	743	738	718	743	713	740	8664
1993	MEAN	23.3	21.0	21.5	22.8	25.0	27.5	28.7	28.9	28.4	27.0	24.6	21.3	25.0
	MAXIMUM	26.7	24.7	26.0	25.4	26.7	29.0	32.7	30.1	30.1	30.2	27.2	25.7	32.7
	DAY-HR	09-00	12-04	30-21	16-03	19-23	30-23	22-21	21-16	10-21	09-17	16-04	25-03	JUL
	MINIMUM	17.0	14.3	12.3	18.4	22.4	24.0	26.1	25.4	23.3	22.6	16.6	13.4	12.3
	DAY-HR	28-11	19-17	15-13	09-18	10-16	20-12	14-18	26-17	29-17	31-23	01-18	26-18	MAR
	# OBS	734	671	735	717	742	720	744	742	716	719	717	743	8700

1994	MEAN	20.5	23.5	22.9	24.9	26.4	28.2	28.2	28.2	27.9	26.8	25.3	23.1	25.6
	MAXIMUM	24.9	26.2	27.0	27.8	30.2	29.8	29.6	30.2	29.8	29.0	27.5	27.2	30.2
	DAY-HR	03-02	25-19	22-14	25-19	17-22	22-21	28-22	07-18	04-16	10-21	01-15	05-19	AUG
	MINIMUM	14.3	20.0	16.0	19.9	20.8	25.4	25.3	22.8	22.9	24.0	19.6	16.7	14.3
	DAY-HR	06-00	18-13	11-16	02-02	05-11	02-04	22-17	14-09	27-19	17-13	18-19	27-15	JAN
	# OBS	625	283	742	719	737	718	677	741	710	736	712	737	8137
1995	MEAN	20.8	20.2	22.7	24.9	27.2	27.6	28.7	28.9	28.6	27.3	23.8	21.1	25.2
	MAXIMUM	25.5	25.2	26.4	27.9	28.7	29.8	30.4	31.1	31.3	30.1	28.1	25.6	31.3
	DAY-HR	07-20	19-21	31-23	25-21	16-14	26-21	17-13	27-21	04-21	04-21	01-15	09-21	SEP
	MINIMUM	14.2	9.6	16.8	20.9	22.5	23.1	24.6	25.6	24.0	23.5	17.9	12.6	9.6
	DAY-HR	24-20	09-14	10-09	28-23	05-07	21-01	27-19	15-03	08-19	28-13	15-15	25-18	FEB
	# OBS	732	661	743	712	741	715	741	743	714	742	714	742	8700
1996	MEAN	20.2	19.3	20.8	23.7	26.2	27.6	28.5	28.5	28.6	26.3	25.1	22.3	24.8
	MAXIMUM	26.3	25.8	26.0	26.2	29.0	30.5	30.2	30.4	30.8	29.4	27.4	26.0	30.8
	DAY-HR	03-00	03-02	18-22	29-23	28-23	30-23	12-22	13-18	06-22	07-23	08-20	08-02	SEP
	MINIMUM	10.9	7.5	12.7	17.5	23.6	24.1	23.7	24.1	23.8	22.8	17.0	12.4	7.5
	DAY-HR	09-15	05-14	09-15	03-00	01-00	08-01	16-08	24-15	09-12	21-11	27-16	20-12	FEB
	# OBS	733	690	740	736	738	719	835	790	716	737	330	734	8498
1997	MEAN	21.5	23.2	24.6	24.5	26.5	27.7	29.0	29.3	28.0	26.4	24.4	22.1	25.6
	MAXIMUM	26.4	25.9	27.6	27.6	29.2	29.8	31.6	31.3	30.6	28.5	27.8	26.4	31.6
	DAY-HR	09-22	27-15	28-19	23-20	01-21	16-22	18-15	08-19	03-21	06-22	29-22	04-12	JUL
	MINIMUM	12.0	16.6	20.4	20.2	23.4	22.2	24.7	24.6	23.6	21.5	20.7	16.8	12.0
	DAY-HR	19-10	11-20	14-21	19-11	06-10	10-00	12-21	10-16	17-12	20-15	17-14	28-21	JAN
	# OBS	731	653	735	707	679	711	724	734	715	732	701	741	8563
1998	MEAN	21.7	21.8	21.3	23.8	26.0	28.9	29.2	29.4	28.5	27.3	25.2	24.0	25.6
	MAXIMUM	25.1	26.6	26.5	26.4	29.5	31.7	31.0	31.8	30.8	30.4	27.8	26.3	31.8
	DAY-HR	08-22	16-23	09-02	09-23	29-21	06-22	18-21	23-23	24-23	02-21	05-06	13-09	AUG
	MINIMUM	14.3	15.8	14.1	18.9	21.4	24.0	24.8	25.5	23.5	24.0	20.7	17.5	14.1
	DAY-HR	01-12	10-12	11-13	12-09	02-00	21-01	12-07	19-05	25-22	31-12	06-20	18-14	MAR
	# OBS	714	667	716	692	715	692	739	786	715	729	719	739	8623
1999	MEAN	22.2	21.8	21.9	24.8	26.2	27.6	28.5	28.7	28.5	26.4	23.2	22.1	25.1
	MAXIMUM	26.1	24.9	25.3	27.2	29.0	30.3	30.9	31.9	30.5	28.8	27.2	25.2	31.9
	DAY-HR	03-04	07-16	26-19	27-23	24-20	24-21	27-23	30-17	03-15	08-20	02-05	22-20	AUG
	MINIMUM	12.4	15.2	14.6	18.7	21.0	23.3	23.0	24.4	24.3	21.5	19.1	15.2	12.4
	DAY-HR	06-08	23-02	16-15	18-17	01-11	06-17	03-19	05-21	10-05	25-00	03-19	26-12	JAN
	# OBS	742	660	718	718	734	711	621	739	716	742	717	739	8557
2000	MEAN	21.2	21.0	23.6	23.8	26.1	27.5	28.6	28.9	28.8	26.0	24.0	21.3	25.1
	MAXIMUM	24.9	24.1	26.1	26.9	28.8	29.5	31.0	32.3	32.7	31.9	28.9	27.4	32.7
	DAY-HR	11-17	19-16	31-01	25-02	24-22	30-20	25-21	19-18	14-20	06-18	26-19	13-16	SEP
	MINIMUM	11.9	15.5	19.9	17.7	22.3	23.5	23.2	22.8	23.7	22.4	16.8	12.7	11.9
	DAY-HR	27-16	06-11	28-15	05-17	03-12	11-10	29-00	07-04	17-22	24-23	22-09	31-23	JAN
	# OBS	740	692	741	712	738	720	742	744	718	738	719	741	8745
2001	MEAN	18.7	23.4	23.1	24.5	25.2	28.4	28.5	29.2	27.8	26.2	23.8	24.6	25.3
	MAXIMUM	26.2	28.8	29.4	29.4	30.8	32.6	31.4	32.6	31.6	28.9	26.9	26.3	32.6
	DAY-HR	31-18	02-17	17-20	25-17	24-19	24-16	08-21	24-19	07-16	07-21	03-15	09-21	AUG
	MINIMUM	11.1	17.0	17.0	19.2	20.4	23.1	21.6	22.6	21.8	19.2	20.9	22.5	11.1
	DAY-HR	10-09	06-08	08-10	01-09	09-16	29-12	10-15	02-05	29-12	28-08	12-09	06-09	JAN
	# OBS	744	671	736	717	744	718	743	742	712	744	720	367	8358
POR	MEAN	21.2	21.6	22.5	24.2	26.0	27.8	28.6	28.8	28.3	26.6	24.3	22.4	25.2
	MAXIMUM	26.7	28.8	29.4	29.4	30.8	32.6	32.7	32.6	32.7	31.9	28.9	27.4	32.7
	YEAR	1993	2001	2001	2001	2001	2001	1993	2001	2000	2000	2000	2000	SEP/2000
	MINIMUM	10.9	7.5	12.3	17.5	19.8	22.2	21.6	22.6	21.8	19.2	16.6	12.4	7.5
	YEAR	1996	1996	1993	1996	1992	1997	2001	2001	2001	2001	1993	1996	FEB/1996
	# OBS	7702	7005	8089	7819	8017	7686	7309	7830	7414	7584	7473	7765	91693

STATION: SANF1 -- POR (5/1991 - 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
1991	MEAN	-	-	-	-	27.7	-	-	30.4	29.9	27.1	26.0	24.5	26.8
	MAXIMUM	-	-	-	-	29.9	-	-	32.4	30.7	27.8	27.1	25.8	32.4
	DAY-HR	-	-	-	-	31-18	-	-	20-05	06-01	22-20	04-21	04-02	AUG
	MINIMUM	-	-	-	-	26.6	-	-	29.7	29.3	26.2	24.0	21.3	21.3
	DAY-HR	-	-	-	-	22-13	-	-	08-11	10-07	31-16	26-12	20-04	DEC
	# OBS	-	-	-	-	316	-	-	330	264	222	710	742	2584
1992	MEAN	23.2	22.9	23.8	24.8	25.6	28.6	29.4	29.7	28.9	28.0	26.6	24.9	26.4
	MAXIMUM	24.7	24.9	25.6	26.9	28.3	30.0	30.3	30.6	30.1	29.3	27.9	26.3	30.6
	DAY-HR	11-00	22-22	10-22	25-22	31-23	12-20	28-22	30-23	01-00	10-21	06-21	01-20	AUG

	MINIMUM	20.3	20.5	22.5	22.9	23.7	27.4	28.3	28.9	27.9	26.2	25.0	23.5	20.3
	DAY-HR	25-13	11-04	17-13	04-13	09-12	07-11	05-17	02-13	03-14	27-08	16-14	12-15	JAN
	# OBS	740	688	741	672	708	720	743	737	718	742	714	741	8664
1993	MEAN	24.9	23.0	22.6	23.9	26.0	28.5	30.4	30.5	29.8	28.2	26.7	24.9	26.6
	MAXIMUM	26.1	24.5	25.2	25.1	27.7	30.7	31.5	31.6	31.0	29.4	27.5	26.2	31.6
	DAY-HR	06-23	11-21	31-23	01-00	21-22	30-23	06-23	25-23	01-22	10-20	01-04	04-21	AUG
	MINIMUM	21.7	21.5	19.5	22.8	23.9	26.0	29.3	29.6	28.4	27.3	25.3	22.7	19.5
	DAY-HR	28-13	19-18	15-15	24-12	01-13	02-12	18-13	13-09	30-09	31-23	30-10	26-10	MAR
	# OBS	734	671	735	717	742	720	742	742	716	722	717	743	8701
1994	MEAN	23.0	24.5	23.8	25.7	27.3	28.8	29.4	29.5	29.1	28.1	26.7	25.4	26.9
	MAXIMUM	24.6	25.7	25.6	28.8	28.6	30.6	30.5	31.4	30.4	29.9	27.7	27.3	31.4
	DAY-HR	02-01	25-19	28-19	26-23	17-23	22-19	29-00	08-23	04-22	10-22	01-20	05-22	AUG
	MINIMUM	20.7	23.4	21.8	22.6	26.2	27.3	28.7	28.7	27.9	26.9	25.5	22.1	20.7
	DAY-HR	19-14	19-14	05-12	02-04	11-12	01-12	10-08	30-12	30-15	29-13	19-08	25-05	JAN
	# OBS	625	283	742	719	736	718	676	740	712	736	712	737	8136
1995	MEAN	22.9	21.2	23.9	25.5	28.1	29.1	30.1	29.9	29.6	28.7	26.2	24.3	26.6
	MAXIMUM	25.0	24.4	26.5	26.6	30.2	30.7	31.5	31.8	30.6	29.7	27.9	26.0	31.8
	DAY-HR	07-22	19-22	31-21	18-22	30-22	12-21	21-21	13-23	04-21	01-22	08-22	07-23	AUG
	MINIMUM	20.0	18.5	22.0	24.7	25.7	28.1	29.1	28.9	29.0	27.6	23.2	20.2	18.5
	DAY-HR	25-16	10-09	01-15	09-07	01-13	25-13	31-13	08-13	20-13	31-23	26-11	28-14	FEB
	# OBS	732	662	743	712	741	715	741	743	714	742	714	742	8701
1996	MEAN	22.2	20.9	21.5	24.6	26.8	28.5	29.3	29.6	29.8	27.3	26.4	24.4	26.0
	MAXIMUM	24.9	23.7	25.9	26.3	29.4	30.0	30.2	32.0	31.2	28.9	27.9	26.8	32.0
	DAY-HR	03-21	03-22	31-22	30-19	31-21	30-23	23-22	14-23	07-22	03-20	02-21	07-22	AUG
	MINIMUM	17.9	17.6	17.7	21.2	25.9	27.1	28.7	27.6	28.2	26.0	24.6	21.8	17.6
	DAY-HR	10-12	18-10	13-12	03-12	01-07	03-10	30-08	27-14	30-13	20-09	28-11	21-06	FEB
	# OBS	733	690	740	736	738	719	835	790	716	737	331	734	8499
1997	MEAN	23.7	23.9	25.0	25.3	27.6	28.7	29.8	30.7	29.3	27.5	25.6	23.2	26.7
	MAXIMUM	25.2	25.5	26.1	26.7	30.3	29.9	31.1	32.4	30.9	29.2	27.2	25.3	32.4
	DAY-HR	16-22	27-23	31-21	29-23	27-21	20-22	18-22	08-23	01-23	03-21	02-20	04-13	AUG
	MINIMUM	21.1	22.2	23.5	24.0	25.9	27.2	28.8	30.0	28.4	26.2	24.3	20.0	20.0
	DAY-HR	22-09	01-11	23-10	19-04	06-09	10-15	08-10	31-23	29-14	24-15	27-18	19-15	DEC
	# OBS	731	653	735	707	679	711	724	734	715	733	701	741	8564
1998	MEAN	22.6	21.9	22.8	24.4	25.9	29.3	30.2	30.5	29.1	27.9	25.8	24.9	26.3
	MAXIMUM	23.5	24.3	25.5	26.1	28.3	31.3	31.9	31.9	31.1	30.1	26.7	25.8	31.9
	DAY-HR	24-21	03-08	31-23	06-20	30-00	29-23	06-22	03-23	04-19	12-22	01-22	14-01	AUG
	MINIMUM	19.9	19.4	21.0	22.4	22.5	26.8	29.3	28.8	27.6	25.9	24.2	23.0	19.4
	DAY-HR	01-13	10-08	04-14	25-08	15-04	01-11	25-13	28-11	26-14	31-12	07-12	16-09	FEB
	# OBS	714	667	716	692	715	692	739	786	715	729	719	739	8623
1999	MEAN	23.6	23.6	22.7	25.2	26.9	28.3	29.3	30.0	29.5	28.3	-	23.7	26.4
	MAXIMUM	25.0	24.9	23.6	27.2	28.5	30.1	31.9	31.5	30.8	29.0	-	25.3	31.9
	DAY-HR	03-01	08-23	21-22	30-22	15-21	25-21	29-00	01-23	11-22	01-23	-	23-21	JUL
	MINIMUM	20.7	20.7	21.3	23.0	25.4	26.8	28.1	28.8	28.1	27.4	-	21.9	20.7
	DAY-HR	06-12	26-06	05-11	01-09	04-17	02-12	04-12	19-13	25-08	15-08	-	27-06	FEB
	# OBS	741	660	717	718	734	710	621	739	716	345	-	505	7206
2000	MEAN	23.2	22.6	24.4	25.3	26.7	28.5	30.1	29.9	29.7	27.8	25.6	24.2	26.5
	MAXIMUM	24.7	24.8	25.5	27.0	28.4	30.2	31.4	30.8	30.8	29.7	27.0	25.7	31.4
	DAY-HR	20-19	24-23	29-21	30-23	31-21	24-23	09-20	14-22	10-00	06-18	10-20	17-18	JUL
	MINIMUM	19.7	19.4	23.4	23.8	25.3	27.5	28.7	29.1	28.9	26.0	23.0	21.7	19.4
	DAY-HR	28-03	10-03	01-10	06-11	05-13	02-12	03-10	30-08	30-10	31-11	29-10	31-13	FEB
	# OBS	740	692	741	712	738	720	743	744	718	738	719	743	8748
2001	MEAN	21.7	23.8	23.4	24.8	26.0	28.7	29.5	30.0	29.3	27.8	25.8	25.2	26.4
	MAXIMUM	23.4	25.4	25.7	26.8	28.5	30.7	30.9	32.0	30.8	29.1	26.9	26.1	32.0
	DAY-HR	01-21	28-22	03-22	16-21	31-23	24-22	19-23	26-20	05-23	07-01	03-21	10-00	AUG
	MINIMUM	18.3	21.6	21.5	22.9	24.4	27.2	28.5	28.4	27.8	25.9	23.2	24.1	18.3
	DAY-HR	25-09	07-08	08-09	02-10	01-14	03-08	28-14	04-10	16-11	28-06	17-13	04-13	JAN
	# OBS	744	671	737	717	744	718	743	742	711	744	720	367	8358
POR	MEAN	23.1	22.7	23.4	24.9	26.7	28.7	29.8	30.1	29.4	27.9	26.1	24.5	26.5
	MAXIMUM	26.1	25.7	26.5	28.8	30.3	31.3	31.9	32.4	31.2	30.1	27.9	27.3	32.4
	YEAR	1993	1994	1995	1994	1997	1998	1999	1997	1996	1998	1996	1994	AUG/1997
	MINIMUM	17.9	17.6	17.7	21.2	22.5	26.0	28.1	27.6	27.6	25.9	23.0	20.0	17.6
	YEAR	1996	1996	1996	1998	1999	1993	1999	1996	1998	2001	2000	1997	FEB/1996
	# OBS	7234	6337	7347	7102	7591	7143	7307	7827	7415	7190	6757	7534	86784

STATION: SANF1 -- POR (1/1991 - 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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1991	MEAN	1017.9	1018.8	1015.3	1016.0	1015.5	1013.3	-	1017.0	1015.9	1014.6	1017.7	1019.8	1017.1
	MAXIMUM	1023.4	1028.6	1023.3	1022.4	1020.2	1014.4	-	1020.4	1019.6	1017.7	1021.7	1030.0	1030.0
	DAY-HR	23-16	16-17	11-15	01-15	07-05	02-13	-	25-03	07-04	29-15	03-15	20-15	DEC
	MINIMUM	1013.0	1007.7	1001.3	1008.1	1007.2	1012.2	-	1011.5	1012.6	1011.2	1011.7	1013.7	1001.3
	DAY-HR	20-22	14-21	03-21	20-14	22-08	03-09	-	31-09	04-10	25-22	08-21	24-20	MAR
	# OBS	467	668	742	717	691	45	-	331	264	222	710	742	5599
1992	MEAN	1017.4	1016.4	1016.9	1015.4	1015.4	1013.5	1018.3	1017.0	1014.5	1015.0	1015.4	1018.9	1016.2
	MAXIMUM	1025.8	1022.9	1025.0	1020.3	1021.8	1017.9	1022.1	1020.2	1019.0	1023.1	1022.9	1024.1	1025.8
	DAY-HR	25-16	12-15	01-16	23-16	02-16	08-15	25-04	30-15	06-16	22-15	30-15	28-15	JAN
	MINIMUM	1010.1	1001.2	1009.4	1008.7	1011.0	1009.0	1014.3	1010.2	1009.4	1007.4	1010.4	1012.4	1001.2
	DAY-HR	04-09	06-10	11-09	03-10	14-22	20-09	05-22	24-14	24-21	02-20	23-21	10-21	FEB
	# OBS	740	688	741	672	708	720	743	737	717	743	714	741	8664
1993	MEAN	1017.8	1017.3	1016.9	1014.9	1014.0	1015.8	1017.3	1016.6	1015.4	1014.3	1016.9	1017.7	1016.2
	MAXIMUM	1023.3	1022.9	1029.9	1020.5	1018.4	1019.9	1020.6	1020.9	1019.9	1018.2	1023.5	1028.6	1029.9
	DAY-HR	30-16	19-16	15-16	24-15	05-16	07-05	10-17	04-15	03-15	21-15	02-15	27-15	MAR
	MINIMUM	1005.7	1011.1	1000.6	1008.1	1002.7	1002.7	1013.5	1011.7	1011.2	1009.1	1007.9	1007.6	1000.6
	DAY-HR	26-21	07-09	13-07	15-23	31-23	01-00	27-23	31-09	19-22	30-23	24-22	14-22	MAR
	# OBS	734	671	734	717	742	720	743	742	716	721	717	743	8700
1994	MEAN	1020.0	1016.0	1016.5	1017.2	1014.4	1016.8	1018.3	1017.0	1015.3	1013.9	1015.1	1016.8	1016.4
	MAXIMUM	1027.4	1020.2	1024.4	1022.4	1019.3	1020.2	1022.0	1020.8	1021.1	1018.1	1022.6	1021.1	1027.4
	DAY-HR	16-16	28-16	12-16	02-16	06-16	26-16	15-17	31-17	01-16	30-15	25-15	06-15	JAN
	MINIMUM	1009.3	1012.2	1007.7	1011.9	1003.9	1013.0	1013.6	1014.2	1009.8	1008.8	999.4	1005.5	999.4
	DAY-HR	13-21	19-09	02-20	22-22	20-08	18-23	02-09	22-23	30-10	02-21	15-10	23-09	NOV
	# OBS	609	283	742	719	737	717	675	740	710	736	712	737	8117
1995	MEAN	1018.6	1019.2	1016.4	1013.7	1014.4	1014.2	1015.8	1012.5	1013.3	1012.0	1017.3	1017.8	1015.4
	MAXIMUM	1027.7	1027.6	1025.7	1020.3	1018.6	1018.1	1020.4	1017.1	1018.7	1018.5	1023.1	1024.2	1027.7
	DAY-HR	25-16	09-17	11-16	03-17	29-16	16-17	04-17	04-15	12-16	30-15	16-16	25-16	JAN
	MINIMUM	1007.0	1011.4	1010.3	1008.1	1009.3	1009.4	1010.0	1007.1	1008.9	1004.9	1009.6	1009.5	1004.9
	DAY-HR	14-21	20-20	19-08	06-13	20-23	21-20	31-22	01-22	08-08	04-22	14-08	19-21	OCT
	# OBS	732	662	743	712	741	715	741	743	714	742	714	742	8701
1996	MEAN	1017.9	1018.6	1016.9	1016.4	1016.2	1015.6	1016.9	1016.6	1013.2	1013.7	1016.8	1018.2	1016.4
	MAXIMUM	1026.7	1033.0	1024.7	1021.7	1021.9	1019.5	1020.9	1021.2	1017.9	1022.6	1020.6	1025.7	1033.0
	DAY-HR	09-15	05-15	09-16	11-15	09-15	05-16	29-04	24-15	27-16	27-15	28-15	20-15	FEB
	MINIMUM	1005.1	1011.1	1007.1	1010.0	1006.0	1011.4	1012.4	1010.1	1007.1	1002.5	1012.5	1011.4	1002.5
	DAY-HR	03-10	16-10	18-22	01-19	21-22	18-09	04-09	31-22	04-22	07-21	08-21	08-09	OCT
	# OBS	733	690	740	736	738	719	835	790	716	737	329	734	8497
1997	MEAN	1018.8	1019.2	1017.7	1014.7	1016.3	1014.5	1017.1	1016.8	1014.0	1015.2	1015.8	1015.3	1016.3
	MAXIMUM	1027.4	1025.3	1023.4	1021.0	1020.4	1020.9	1021.0	1020.7	1018.2	1020.2	1023.0	1027.0	1027.4
	DAY-HR	19-15	18-16	17-16	03-17	06-04	19-16	31-16	17-18	13-16	29-15	17-15	31-16	JAN
	MINIMUM	1009.7	1015.0	1009.3	1004.4	1009.6	1005.8	1011.7	1011.0	1008.6	1011.3	1006.3	1006.9	1004.4
	DAY-HR	09-21	14-22	21-23	23-20	12-22	06-09	03-10	31-09	27-20	18-09	30-20	14-11	APR
	# OBS	731	653	735	707	679	711	724	734	715	732	701	741	8563
1998	MEAN	1016.9	1013.1	1017.4	1016.0	1015.1	1016.9	1017.3	1015.3	1012.7	1016.0	1017.3	1019.3	1016.1
	MAXIMUM	1030.4	1022.0	1027.4	1021.9	1019.9	1021.1	1020.5	1020.6	1017.5	1020.5	1024.1	1024.4	1030.4
	DAY-HR	01-15	10-16	13-16	13-16	20-14	10-16	02-17	08-16	06-15	24-15	12-15	20-15	JAN
	MINIMUM	1009.7	996.7	1007.7	1008.4	1007.8	1012.0	1011.5	1008.0	990.5	1012.2	995.9	1012.1	990.5
	DAY-HR	15-22	02-22	08-21	05-09	11-22	15-08	13-09	25-23	25-13	14-08	05-09	29-20	SEP
	# OBS	714	667	716	692	715	692	739	786	710	728	717	739	8615
1999	MEAN	1019.7	1019.6	1017.5	1017.0	1016.0	1016.2	1017.3	1013.9	1011.3	1013.2	1015.9	1018.9	1016.4
	MAXIMUM	1028.8	1025.4	1023.0	1024.8	1019.8	1020.0	1021.3	1019.5	1016.5	1020.0	1023.8	1026.3	1028.8
	DAY-HR	05-15	15-16	05-16	19-03	30-16	27-15	09-16	16-18	28-16	28-15	29-15	02-15	JAN
	MINIMUM	1011.8	1011.0	1009.3	1008.7	1009.0	1012.7	1011.7	1008.1	999.8	987.0	1008.7	1012.5	987.0
	DAY-HR	09-22	18-22	14-22	30-21	01-00	01-09	30-23	28-09	14-22	15-12	16-22	18-22	OCT
	# OBS	742	660	717	719	733	711	621	739	716	742	717	739	8556
2000	MEAN	1019.9	1020.7	1016.5	1016.3	1016.0	1017.3	1015.6	1016.0	1012.6	1015.9	1016.2	1018.4	1016.8
	MAXIMUM	1031.1	1027.6	1023.8	1022.5	1020.7	1021.5	1019.4	1020.8	1017.4	1020.6	1026.4	1025.4	1031.1
	DAY-HR	15-15	06-15	01-16	10-15	18-16	19-15	17-16	15-16	01-16	23-15	22-15	14-15	JAN
	MINIMUM	1006.7	1015.2	1006.4	1010.4	1011.3	1013.9	1011.6	1009.8	1008.1	1008.8	1011.1	1009.4	1006.4
	DAY-HR	24-20	04-10	28-08	23-00	30-08	16-00	15-21	30-09	30-20	02-21	09-22	28-21	MAR
	# OBS	740	692	741	712	738	720	742	744	718	738	719	743	8747
2001	MEAN	1020.0	1019.8	1014.9	1018.3	1015.2	1016.8	1016.3	1016.4	1013.4	1015.9	1016.6	1017.1	1016.7
	MAXIMUM	1026.3	1023.6	1021.0	1024.9	1019.2	1021.6	1020.7	1020.9	1018.0	1023.9	1024.2	1021.2	1026.3
	DAY-HR	01-15	20-16	08-16	21-16	10-16	27-15	28-17	07-03	06-17	29-15	08-15	04-15	JAN
	MINIMUM	1013.7	1014.8	1009.7	1010.9	1010.8	1012.6	1010.4	1013.0	1003.6	1010.5	1001.1	1013.1	1001.1
	DAY-HR	19-21	28-20	20-09	01-08	20-23	02-10	15-08	04-08	14-08	01-09	05-06	09-20	NOV
	# OBS	744	671	737	717	744	718	743	742	713	744	720	367	8360
POR	MEAN	1018.6	1018.2	1016.6	1016.0	1015.3	1015.7	1017.0	1015.9	1013.6	1014.5	1016.4	1018.1	1016.3
	MAXIMUM	1031.1	1033.0	1029.9	1024.9	1021.9	1021.6	1022.1	1021.2	1021.1	1023.9	1026.4	1030.0	1033.0
	YEAR	2000	1996	1993	2001	1996	2001	1992	1996	1994	2001	2000	1991	FEB/1996
	MINIMUM	1005.1	996.7	1000.6	1004.4	1002.7	1002.7	1010.0	1007.1	990.5	987.0	995.9	1005.5	987.0
	YEAR	1996	1998	1993	1997	1993	1993	1995	1995	1998	1999	1998	1994	OCT/1999
	# OBS	7686	7005	8088	7820	7966	7188	7306	7828	7409	7585	7470	7768	91119

STATION: SANF1 -- POR (1/1991 - 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
1991	MEAN	11.6	12.8	12.9	13.8	12.4	7.0	7.4	7.8	6.9	15.6	14.0	13.9	11.1
	MAXIMUM	21.4	29.4	31.7	28.6	35.8	27.2	24.5	26.4	21.0	26.4	24.7	32.9	35.8
	DAY-HR	16-08	16-03	10-08	20-18	22-03	07-02	30-13	06-04	09-15	30-04	26-12	20-02	MAY
	MINIMUM	0.0	0.0	0.0	0.6	0.8	0.0	0.0	0.0	0.0	4.5	0.6	1.2	0.0
	DAY-HR	26-00	07-18	14-22	18-01	30-19	08-12	10-22	22-22	13-12	27-20	16-22	28-22	SEP
	# OBS	467	669	743	716	742	719	723	729	568	222	711	742	7751
1992	MEAN	12.3	11.9	11.8	13.1	9.5	8.6	10.4	8.7	9.6	11.6	14.4	13.4	11.3
	MAXIMUM	26.4	38.7	23.3	24.1	22.7	37.9	33.0	30.3	24.1	27.6	27.2	22.6	38.7
	DAY-HR	24-23	06-09	13-09	17-02	19-23	24-16	13-03	24-16	13-11	23-00	28-09	11-22	FEB
	MINIMUM	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.2	1.0	0.0
	DAY-HR	06-18	19-20	07-22	25-04	24-17	22-00	04-01	27-23	28-18	18-09	23-16	03-03	OCT
	# OBS	740	688	741	672	708	720	743	738	717	743	715	742	8667
1993	MEAN	14.1	13.7	10.8	13.5	12.6	10.2	7.3	8.0	-	10.9	14.2	14.3	11.8
	MAXIMUM	31.5	28.0	29.9	31.1	24.5	24.7	22.6	21.8	-	26.6	25.9	32.1	32.1
	DAY-HR	27-16	19-02	13-06	16-05	31-22	01-03	11-05	05-02	-	31-17	02-07	25-12	DEC
	MINIMUM	1.6	1.4	0.6	0.6	0.8	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
	DAY-HR	05-22	22-22	27-06	22-06	19-22	03-05	29-03	24-21	-	27-00	28-04	21-02	DEC
	# OBS	734	671	645	717	742	720	744	742	-	293	717	743	7468
1994	MEAN	16.3	12.1	11.8	11.4	8.5	8.4	11.5	9.0	9.6	9.5	14.3	13.5	11.2
	MAXIMUM	31.3	28.2	33.4	25.5	30.5	26.6	22.9	23.1	29.9	28.4	41.8	34.2	41.8
	DAY-HR	17-01	17-19	02-20	30-18	19-12	30-04	22-17	12-23	30-17	17-15	14-18	23-20	NOV
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	13-06	25-01	22-15	26-18	29-22	22-20	22-16	30-14	26-23	31-06	21-04	05-19	DEC
	# OBS	624	283	742	719	736	718	677	726	713	736	712	737	8123
1995	MEAN	13.7	11.2	12.3	11.4	9.6	10.7	8.8	9.4	9.1	13.0	15.1	14.5	11.6
	MAXIMUM	26.8	30.7	28.8	24.3	25.7	27.2	25.7	24.7	26.4	29.7	26.2	30.7	30.7
	DAY-HR	06-16	04-18	10-09	03-12	05-11	21-19	30-01	03-03	22-12	31-00	25-04	13-05	DEC
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	0.8	0.0
	DAY-HR	30-08	02-04	28-22	15-15	06-05	19-12	20-01	22-10	18-14	20-21	12-02	10-03	SEP
	# OBS	732	662	743	712	741	715	741	743	714	742	714	742	8701
1996	MEAN	14.0	11.9	15.4	13.5	11.4	8.4	10.7	9.5	8.6	15.0	15.6	14.0	12.2
	MAXIMUM	32.9	34.4	33.6	31.7	24.7	26.8	23.1	29.5	22.7	31.7	27.0	33.0	34.4
	DAY-HR	08-11	04-23	09-04	01-22	21-19	02-03	27-07	06-06	08-05	08-13	28-21	20-01	FEB
	MINIMUM	0.4	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	0.0	0.0
	DAY-HR	10-22	21-08	31-23	01-05	14-12	30-23	06-01	14-18	18-05	20-07	26-17	07-04	DEC
	# OBS	733	690	740	735	738	719	835	790	716	737	331	734	8498
1997	MEAN	13.9	14.0	12.2	12.5	10.0	10.0	7.4	7.5	9.5	13.7	14.2	13.2	11.5
	MAXIMUM	34.4	28.4	28.8	29.2	30.1	27.2	19.4	20.6	29.7	26.6	27.2	34.0	34.4
	DAY-HR	14-10	18-04	14-21	12-03	29-02	14-02	31-06	02-01	27-22	12-03	25-22	15-07	JAN
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
	DAY-HR	08-00	09-07	29-01	20-19	23-06	16-22	20-13	30-18	05-13	01-11	10-23	14-06	DEC
	# OBS	732	653	735	707	679	710	724	733	715	733	701	741	8563
1998	MEAN	13.7	15.1	16.5	13.8	7.8	7.1	9.6	8.1	13.3	13.6	13.7	14.5	12.2
	MAXIMUM	28.0	43.4	27.6	25.9	32.5	21.6	28.6	29.4	56.0	32.1	38.7	23.9	56.0
	DAY-HR	01-14	02-22	26-01	11-06	05-01	10-05	12-21	29-07	25-22	23-07	05-07	14-20	SEP
	MINIMUM	0.0	0.0	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.4	0.0
	DAY-HR	24-00	19-12	04-04	20-23	31-15	27-08	18-21	31-23	10-04	11-18	25-05	29-08	OCT
	# OBS	714	667	716	692	715	692	739	786	714	728	719	739	8621
1999	MEAN	16.0	12.2	12.2	11.1	8.2	8.2	9.1	7.9	10.9	14.2	15.4	12.3	11.5
	MAXIMUM	31.1	28.0	35.8	27.6	24.3	25.5	20.8	38.1	34.8	44.1	27.6	26.8	44.1
	DAY-HR	04-18	22-03	03-16	17-21	30-17	16-23	01-01	05-21	21-14	15-06	03-11	01-01	OCT
	MINIMUM	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.2	0.0
	DAY-HR	15-22	13-03	27-05	29-10	25-18	25-11	27-10	30-15	11-07	22-04	26-10	06-23	OCT
	# OBS	741	660	719	719	735	700	610	730	716	742	717	739	8528
2000	MEAN	13.0	12.3	10.5	11.3	10.1	9.6	6.2	9.9	8.7	12.9	12.8	15.0	11.0
	MAXIMUM	30.3	25.1	24.1	27.2	21.2	23.5	25.3	23.1	29.5	26.2	28.2	31.9	31.9
	DAY-HR	15-01	23-07	28-08	05-12	19-02	27-03	01-23	27-08	17-08	10-03	21-14	19-21	DEC
	MINIMUM	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
	DAY-HR	11-00	20-07	18-04	14-21	31-12	30-20	29-09	13-22	14-20	06-19	26-22	17-09	NOV
	# OBS	740	692	741	712	738	720	742	744	717	738	719	741	8744
2001	MEAN	12.9	12.7	10.6	13.7	11.0	8.5	9.4	8.9	9.1	14.5	15.4	13.4	11.6
	MAXIMUM	25.3	25.5	27.4	36.2	24.3	21.2	32.3	28.4	36.0	29.2	41.6	24.3	41.6

	DAY-HR	20-20	19-11	05-01	30-05	08-09	29-13	22-03	01-09	14-08	10-05	05-05	05-18	NOV
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.5	0.8	0.0
	DAY-HR	12-18	28-22	18-21	26-06	17-08	24-18	21-07	25-13	29-12	21-19	18-03	09-17	SEP
	# OBS	744	671	738	716	744	717	743	738	712	740	720	367	8350
POR	MEAN	13.8	12.7	12.5	12.6	10.1	8.8	8.9	8.6	9.6	13.1	14.4	13.8	11.5
	MAXIMUM	34.4	43.4	35.8	36.2	35.8	37.9	33.0	38.1	56.0	44.1	41.8	34.2	56.0
	YEAR	1997	1998	1999	2001	1991	1992	1992	1999	1998	1999	1994	1994	SEP/1998
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YEAR	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000	1997	SEP/2001
	# OBS	7701	7006	8003	7817	8018	7850	8021	8199	7002	7154	7476	7767	92014

STATION: SANF1 -- POR (1/1991 - 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
1991	MEAN	12.9	14.4	14.5	15.3	13.8	8.0	8.5	8.9	7.9	17.4	15.7	15.5	12.5
	MAXIMUM	24.9	33.6	35.4	32.7	39.3	29.9	27.8	28.6	26.6	28.8	27.2	38.1	39.3
	DAY-HR	16-05	16-03	10-08	20-18	22-03	07-02	30-13	06-04	20-13	30-04	26-12	20-02	MAY
	# OBS	464	669	743	716	741	718	723	728	568	222	710	742	7744
1992	MEAN	13.8	13.4	13.2	14.7	10.7	9.6	11.5	9.9	10.7	13.1	16.1	14.9	12.6
	MAXIMUM	29.5	50.5	26.8	28.6	26.0	45.5	38.7	34.8	28.8	32.7	31.1	25.7	50.5
	DAY-HR	25-00	06-09	06-00	10-15	19-23	24-16	13-03	24-16	13-11	21-04	16-08	11-17	FEB
	# OBS	740	688	741	672	708	720	743	737	717	742	711	741	8660
1993	MEAN	15.7	15.4	12.0	15.0	14.0	11.4	8.3	9.1	-	12.2	15.8	16.0	13.2
	MAXIMUM	34.4	31.3	35.0	34.6	26.6	26.8	24.7	23.7	-	30.7	29.9	35.8	35.8
	DAY-HR	27-19	19-02	13-07	16-05	10-18	01-03	11-05	05-02	-	31-20	01-18	25-12	DEC
	# OBS	734	671	644	716	742	720	741	741	-	293	716	743	7461
1994	MEAN	18.2	13.4	13.2	12.8	9.5	9.4	12.9	10.2	10.7	10.7	16.0	15.2	12.6
	MAXIMUM	35.6	31.3	38.3	32.1	34.0	32.1	27.6	27.6	35.4	33.0	45.9	39.7	45.9
	DAY-HR	16-23	26-23	02-20	29-06	19-12	30-04	22-17	01-09	30-17	17-15	14-18	23-20	NOV
	# OBS	624	283	742	719	735	717	675	725	710	736	712	737	8115
1995	MEAN	15.4	12.5	13.7	12.7	10.7	12.0	9.9	10.5	10.2	14.6	16.8	16.3	13.0
	MAXIMUM	31.5	35.2	32.7	26.4	28.2	30.3	29.7	28.6	29.7	34.8	29.5	35.4	35.4
	DAY-HR	06-16	04-17	09-14	03-12	05-11	04-13	30-01	03-00	22-12	04-11	25-04	13-05	DEC
	# OBS	732	662	743	712	741	715	741	743	714	742	714	742	8701
1996	MEAN	15.6	13.2	17.2	15.1	12.7	9.5	12.0	10.7	9.8	16.8	17.4	15.7	13.6
	MAXIMUM	36.5	40.6	38.3	37.5	28.6	32.1	26.2	34.0	25.7	35.4	30.7	37.5	40.6
	DAY-HR	08-11	04-20	08-21	01-22	21-20	02-05	27-06	06-06	08-05	08-13	28-17	20-03	FEB
	# OBS	733	690	740	735	738	719	835	790	716	737	331	734	8498
1997	MEAN	15.6	15.6	13.7	14.0	11.2	11.2	8.3	8.6	10.7	15.3	15.9	14.8	12.9
	MAXIMUM	38.5	31.9	33.2	34.0	34.6	32.5	22.0	22.6	41.2	29.2	29.5	38.1	41.2
	DAY-HR	14-10	17-21	14-21	12-03	29-02	14-02	31-06	02-01	27-22	12-03	25-22	15-07	SEP
	# OBS	731	653	735	707	679	710	724	732	715	733	701	741	8561
1998	MEAN	15.3	17.0	18.6	15.5	8.6	8.0	10.8	9.3	14.9	15.2	15.3	16.2	13.7
	MAXIMUM	32.3	52.9	31.3	30.1	35.6	23.5	34.0	32.1	71.3	36.5	43.0	27.6	71.3
	DAY-HR	01-22	02-22	01-18	11-20	05-01	10-05	12-21	29-07	25-14	23-07	05-07	10-19	SEP
	# OBS	714	667	716	692	715	692	739	785	714	726	719	739	8618
1999	MEAN	17.8	13.7	13.7	12.4	9.4	9.3	10.3	9.0	12.3	15.9	17.2	13.7	12.9
	MAXIMUM	33.4	33.4	41.2	32.5	31.9	27.8	24.1	44.7	40.4	50.5	31.5	31.3	50.5
	DAY-HR	04-18	22-08	03-16	17-20	30-17	16-23	01-01	05-21	18-01	15-07	03-11	01-04	OCT
	# OBS	741	659	718	718	728	699	609	730	716	742	717	739	8516
2000	MEAN	14.5	13.7	11.7	12.7	11.2	10.7	7.2	11.1	9.8	14.5	14.2	16.8	12.3
	MAXIMUM	34.4	27.4	26.2	30.1	24.3	25.7	28.8	25.3	32.7	30.7	31.9	37.3	37.3
	DAY-HR	15-06	23-07	28-08	05-12	19-01	27-03	01-23	27-08	17-09	03-19	21-14	19-21	DEC
	# OBS	740	692	741	712	738	720	743	744	717	737	719	741	8744
2001	MEAN	14.5	14.1	11.9	15.2	12.3	9.5	10.6	10.0	10.3	16.1	17.2	14.8	12.9
	MAXIMUM	35.8	28.6	32.5	41.0	27.0	23.9	38.5	31.9	40.4	34.0	45.3	26.4	45.3
	DAY-HR	20-16	19-11	05-01	30-05	08-09	13-03	22-03	01-09	14-08	10-05	05-06	05-21	NOV
	# OBS	744	671	737	716	744	717	743	738	713	740	720	367	8350
POR	MEAN	15.5	14.3	14.0	14.1	11.3	9.9	10.0	9.8	10.8	14.7	16.1	15.5	12.9
	MAXIMUM	38.5	52.9	41.2	41.0	39.3	45.5	38.7	44.7	71.3	50.5	45.9	39.7	71.3
	YEAR	1997	1998	1999	2001	1991	1992	1992	1999	1998	1999	1994	1994	SEP/1998
	# OBS	7697	7005	8000	7815	8009	7847	8016	8193	7000	7150	7470	7766	91968

STATION: SANF1 -- POR (1/1991 - 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
1991	MEAN	14.8	16.5	16.5	17.3	15.9	10.1	10.9	11.3	10.6	19.9	17.7	17.4	14.7
	MAXIMUM	29.0	36.5	46.5	40.4	45.9	34.4	42.6	39.9	37.1	29.7	28.6	38.5	46.5
	DAY-HR	15-09	16-04	04-00	20-14	22-02	07-01	30-14	15-05	20-13	30-03	26-10	20-08	MAR
	MINIMUM	0.0	2.7	1.4	2.3	3.3	1.6	2.1	2.7	1.7	10.7	4.1	2.3	0.0
	DAY-HR	29-23	26-07	30-20	18-02	31-22	19-01	28-01	19-03	13-12	22-21	17-00	04-00	JAN
	# OBS	467	666	739	715	738	716	723	723	568	221	700	742	7718
1992	MEAN	15.8	15.4	15.2	16.8	12.5	12.1	13.8	12.3	13.2	15.1	18.5	17.0	14.8
	MAXIMUM	30.9	52.3	41.0	30.1	30.5	49.0	43.2	42.8	36.4	33.8	33.0	26.8	52.3
	DAY-HR	25-00	06-07	23-23	10-17	19-14	24-17	13-03	24-16	13-11	23-01	18-06	11-22	FEB
	MINIMUM	2.3	1.4	1.6	2.1	1.9	1.4	1.0	1.2	1.7	2.1	2.5	2.7	1.0
	DAY-HR	06-17	19-20	08-00	25-01	31-23	14-02	04-01	28-01	20-18	01-00	23-17	03-04	JUL
	# OBS	739	674	738	671	706	686	742	737	715	742	703	736	8589
1993	MEAN	18.0	17.5	16.1	-	-	-	-	-	-	14.4	17.8	18.3	17.5
	MAXIMUM	40.0	34.0	70.6	-	-	-	-	-	-	32.9	34.4	38.5	70.6
	DAY-HR	27-16	19-03	13-09	-	-	-	-	-	-	31-19	01-00	25-12	MAR
	MINIMUM	2.5	3.9	6.6	-	-	-	-	-	-	1.4	1.9	3.7	1.4
	DAY-HR	14-07	17-19	04-20	-	-	-	-	-	-	25-23	28-05	21-02	OCT
	# OBS	734	671	295	-	-	-	-	-	-	293	717	743	3453
1996	MEAN	17.9	15.2	19.4	17.3	14.7	11.7	14.0	13.1	12.1	19.4	17.5	-	15.6
	MAXIMUM	39.9	42.2	40.0	45.3	32.5	41.4	39.1	38.9	34.0	41.6	31.5	-	45.3
	DAY-HR	08-12	05-03	09-04	09-16	21-19	13-01	16-08	06-06	26-05	08-13	04-14	-	APR
	MINIMUM	2.5	1.2	3.3	3.9	2.5	1.0	1.9	1.7	2.1	5.2	5.4	-	1.0
	DAY-HR	25-07	21-00	31-23	30-23	26-12	23-14	02-02	11-04	18-02	23-23	02-17	-	JUN
	# OBS	733	689	740	735	738	719	811	790	716	737	376	-	7784
1997	MEAN	-	-	-	-	11.9	13.3	10.7	11.2	13.3	17.6	18.1	17.2	14.3
	MAXIMUM	-	-	-	-	36.5	36.7	33.2	34.0	41.4	36.5	33.8	41.6	41.6
	DAY-HR	-	-	-	-	29-02	14-02	12-21	11-08	27-06	13-07	07-21	15-10	DEC
	MINIMUM	-	-	-	-	1.7	2.9	1.6	2.1	1.6	2.7	4.5	2.9	1.6
	DAY-HR	-	-	-	-	14-08	13-02	14-05	25-03	21-00	30-11	09-16	14-01	SEP
	# OBS	-	-	-	-	350	710	724	710	715	733	699	741	5382
1998	MEAN	17.7	19.8	21.0	17.5	10.3	9.7	13.1	11.9	17.5	17.3	17.1	18.4	15.9
	MAXIMUM	34.6	53.3	42.2	32.9	41.0	43.7	36.0	36.9	74.1	39.1	49.2	40.8	74.1
	DAY-HR	27-19	02-22	21-00	11-14	01-23	21-01	12-22	19-05	25-14	19-03	05-08	03-22	SEP
	MINIMUM	2.5	0.0	4.3	3.1	1.0	0.0	1.4	0.8	2.5	1.9	4.7	5.2	0.0
	DAY-HR	20-19	13-23	20-23	21-01	29-14	13-01	04-08	16-01	22-18	02-19	25-06	29-12	JUN
	# OBS	714	667	716	692	715	692	739	785	714	724	743	739	8640
1999	MEAN	20.0	15.8	15.6	14.1	11.4	11.4	12.4	11.5	14.9	18.5	19.1	15.7	15.1
	MAXIMUM	40.0	35.2	49.4	46.9	33.0	37.9	39.1	44.7	41.4	57.2	34.0	32.7	57.2
	DAY-HR	03-09	22-04	03-16	17-21	30-18	05-02	08-16	05-21	19-02	15-06	03-12	01-04	OCT
	MINIMUM	3.7	5.2	0.0	2.1	0.0	1.0	1.0	0.6	1.0	2.7	3.7	2.3	0.0
	DAY-HR	10-03	08-04	27-05	11-22	20-15	03-15	27-10	26-13	04-01	21-23	26-10	19-21	MAY
	# OBS	764	658	718	715	718	710	621	738	716	742	717	739	8556
2000	MEAN	16.4	15.5	13.5	14.8	12.9	12.9	9.1	13.8	11.9	16.5	16.1	18.9	14.4
	MAXIMUM	38.5	30.1	29.0	30.7	25.5	33.4	28.8	41.2	34.6	37.9	32.5	44.1	44.1
	DAY-HR	15-02	23-07	28-09	05-09	19-02	08-19	01-23	07-04	17-10	03-20	21-16	19-21	DEC
	MINIMUM	0.8	3.5	1.4	3.1	1.7	2.5	0.6	2.3	1.4	1.0	1.4	2.3	0.6
	DAY-HR	11-01	14-23	02-03	29-08	31-13	24-00	19-11	19-18	14-20	01-10	26-23	17-07	JUL
	# OBS	740	692	739	712	738	720	741	744	711	737	719	740	8733
2001	MEAN	16.5	15.8	13.9	17.2	14.4	11.5	13.1	12.2	13.0	18.3	19.3	16.7	15.1
	MAXIMUM	35.8	29.4	35.8	43.5	27.8	34.0	42.2	43.5	52.7	38.5	48.4	28.8	52.7
	DAY-HR	20-16	19-17	05-01	30-05	07-01	29-12	22-18	01-08	14-01	10-05	05-05	05-22	SEP
	MINIMUM	2.1	2.1	1.4	1.0	1.4	1.6	1.9	2.3	1.4	2.1	7.8	2.7	1.0
	DAY-HR	12-18	28-22	17-20	16-02	31-12	17-03	09-10	25-13	25-00	26-06	22-03	09-18	APR
	# OBS	744	666	737	716	744	717	743	738	712	740	719	367	8343
POR	MEAN	17.2	16.4	16.4	16.4	13.1	11.6	12.2	12.2	13.4	17.4	17.9	17.5	15.1
	MAXIMUM	40.0	53.3	70.6	46.9	45.9	49.0	43.2	44.7	74.1	57.2	49.2	44.1	74.1
	YEAR	1999	1998	1993	1999	1991	1992	1992	1999	1998	1999	1998	2000	SEP/1998
	MINIMUM	0.0	0.0	0.0	1.0	0.0	0.0	0.6	0.6	1.0	1.0	1.4	2.3	0.0
	YEAR	1991	1998	1999	2001	1999	1998	2000	1999	1999	2000	2000	2000	MAY/1999
	# OBS	5635	5383	5422	4956	5447	5670	5844	5965	5567	5669	6093	5547	67198

STATION: SANF1

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	0.1	*	-	-	*	*	-	-	-	-	*	*	-	0.2	16
1 - 3		0.2	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	2.4	183
4 - 6		0.7	1.0	1.1	0.7	0.7	0.7	0.5	0.3	0.3	0.2	0.2	0.2	6.5	504
7 - 10		2.2	4.1	3.5	1.9	2.4	1.9	1.1	0.8	0.6	0.3	0.3	1.4	20.5	1582
11 - 15		3.8	6.1	7.3	3.1	4.6	2.3	1.6	1.1	0.3	0.4	0.6	1.6	33.0	2543
16 - 20		2.9	5.0	5.2	2.5	4.1	1.1	0.8	0.6	0.3	0.3	0.5	1.6	25.1	1930
21 - 24		1.7	1.8	1.8	0.6	0.7	0.2	0.3	0.2	0.1	0.1	0.4	1.1	9.0	691
25 - 33		0.8	0.6	0.7	0.2	0.1	*	0.1	*	*	*	0.2	0.6	3.3	251
34 - 47		-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	12.5	19.2	20.0	9.4	12.8	6.4	4.5	3.0	1.8	1.4	2.4	6.6	100.0	
TOTAL N	10	960	1475	1537	722	988	495	344	231	135	108	184	512		7701

(* < 0.05%)

STATION: SANF1

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	0.2	0.1	*	-	-	*	-	-	-	-	-	*	*	0.3	21
1 - 3		0.4	0.4	0.3	0.5	0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.2	3.3	229
4 - 6		1.0	1.7	2.0	1.5	1.0	1.0	0.6	0.2	0.5	0.4	0.4	0.4	10.6	745
7 - 10		2.5	4.1	4.4	3.1	2.9	2.4	1.2	0.4	0.3	0.3	0.7	1.4	23.7	1658
11 - 15		4.9	4.6	5.5	4.5	5.2	2.2	1.0	1.0	0.4	0.2	0.8	2.1	32.3	2265
16 - 20		2.9	1.7	3.5	4.0	3.1	1.0	0.5	0.4	0.2	0.2	0.8	1.9	20.4	1431
21 - 24		1.1	1.0	0.8	0.9	0.6	0.2	0.1	0.1	0.1	0.2	0.4	0.7	6.3	439
25 - 33		0.5	0.2	0.4	0.1	0.3	-	0.1	*	0.1	0.3	0.4	0.6	2.9	203
34 - 47		*	-	-	-	0.1	*	-	*	*	-	*	*	0.2	15
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.2	13.4	13.8	16.9	14.6	13.6	6.8	3.8	2.4	1.8	1.8	3.6	7.3	100.0	
TOTAL N	13	937	965	1181	1023	955	478	264	170	124	128	254	514		7006

(* < 0.05%)

STATION: SANF1

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	-	*	*	-	-	-	*	*	*	*	-	0.5	43
1 - 3		0.6	0.5	0.7	0.5	0.6	0.5	0.3	0.4	0.2	0.2	0.4	0.4	5.5	442
4 - 6		1.2	1.6	1.6	1.6	1.1	1.2	0.7	0.8	0.5	0.7	0.6	0.7	12.3	983
7 - 10		2.8	2.8	2.9	3.2	2.7	1.9	1.7	1.1	0.4	0.8	0.8	1.4	22.6	1806
11 - 15		3.3	3.4	2.9	4.0	5.0	2.8	1.4	0.9	0.4	0.6	1.0	1.8	27.6	2211
16 - 20		1.6	1.8	2.9	3.9	4.1	1.6	1.2	0.5	0.2	0.2	0.9	1.5	20.6	1649
21 - 24		1.2	0.6	1.3	1.6	1.1	0.4	0.2	0.1	0.1	0.3	0.5	1.2	8.5	682
25 - 33		0.4	0.2	0.4	0.1	0.1	*	0.1	*	*	0.1	0.3	0.4	2.3	185
34 - 47		*	-	-	-	-	-	-	-	-	-	-	*	0.0	2
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	11.3	11.0	12.8	14.9	14.7	8.5	5.6	3.8	1.9	3.0	4.7	7.5	100.0	
TOTAL N	25	905	881	1022	1189	1178	683	446	306	151	244	373	600		8003

(* < 0.05%)

STATION: SANF1

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	*	*	-	-	*	-	-	-	*	-	*	-	0.4	35
1 - 3		0.4	0.2	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.4	4.0	315
4 - 6		0.9	0.7	1.0	1.2	1.3	0.6	0.7	0.5	0.4	0.5	0.6	0.7	9.0	705
7 - 10		2.5	1.6	2.0	4.4	3.6	1.8	1.2	0.9	0.5	0.5	0.9	1.7	21.9	1709
11 - 15		2.9	1.7	2.1	9.0	9.1	3.4	1.1	0.7	0.6	0.5	0.6	2.4	34.1	2667
16 - 20		1.5	0.8	2.6	8.7	5.9	1.6	0.4	0.1	0.1	0.1	0.2	1.7	23.7	1850
21 - 24		0.6	0.5	1.5	2.0	0.7	0.2	0.1	*	*	*	*	0.5	6.2	482
25 - 33		0.1	*	0.1	0.1	0.1	*	*	-	-	*	*	0.2	0.7	51
34 - 47		-	-	-	*	-	-	-	-	-	-	-	-	0.0	3
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	8.9	5.6	9.7	25.9	21.0	8.0	3.7	2.6	2.0	1.9	2.6	7.6	100.0	
TOTAL N	25	697	440	759	2024	1644	623	292	202	157	152	206	596		7817

(* < 0.05%)

STATION: SANF1

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	0.1	0.1	*	*	*	*	*	*	*	*	0.1	*	*	1.1	89
1 - 3		0.8	0.6	0.8	1.1	1.2	0.9	0.8	0.7	0.7	0.3	0.5	0.6	9.2	736	
4 - 6		1.7	1.1	1.3	2.6	3.1	1.7	1.0	0.8	0.7	0.8	0.9	1.2	17.1	1375	
7 - 10		3.1	1.4	1.8	6.7	7.2	2.8	1.1	0.7	0.5	0.5	0.8	1.3	27.9	2237	
11 - 15		1.1	1.0	2.7	10.2	7.4	2.2	0.6	0.6	0.4	0.2	0.3	1.1	27.8	2228	
16 - 20		0.2	0.6	2.2	7.6	2.5	0.5	0.3	0.1	0.2	*	*	0.3	14.7	1179	
21 - 24		*	0.1	0.3	0.7	0.3	0.1	*	*	*	-	-	*	1.8	142	
25 - 33		*	*	*	*	0.2	*	-	*	-	*	-	*	0.4	31	
34 - 47		-	-	-	-	*	-	-	-	-	-	-	-	0.0	1	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.7	7.0	5.1	9.3	29.0	22.0	8.3	3.8	3.0	2.7	1.9	2.6	4.6	100.0		
TOTAL N	54	558	411	748	2327	1760	666	305	241	214	153	209	372		8018	

(* < 0.05%)

STATION: SANF1

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	0.8	0.1	*	*	-	*	*	0.1	0.1	0.1	*	*	*	1.3	105
1 - 3		0.6	0.6	0.7	1.4	1.5	1.3	1.2	0.9	1.0	1.0	0.7	0.5	11.6	908
4 - 6		1.0	0.9	1.5	3.3	4.1	3.2	2.6	1.9	1.2	1.2	0.8	0.6	22.2	1742
7 - 10		1.1	0.9	1.4	7.0	9.0	4.5	3.1	1.6	1.3	0.7	0.6	0.6	31.7	2492
11 - 15		0.6	0.5	1.1	8.8	7.3	2.1	1.4	1.0	0.5	0.2	0.1	0.4	24.0	1886
16 - 20		0.1	0.1	0.6	2.7	2.1	0.6	0.9	0.4	0.1	*	*	*	7.7	606
21 - 24		*	0.1	0.1	0.2	0.1	0.2	0.5	0.1	*	-	-	-	1.2	96
25 - 33		-	*	*	*	*	*	0.1	*	-	-	-	-	0.2	14
34 - 47		-	-	-	-	-	-	-	*	-	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	3.7	3.1	5.3	23.4	24.2	12.0	9.7	5.9	4.2	3.2	2.3	2.1	100.0	
TOTAL N	66	290	247	419	1837	1897	943	758	462	332	252	181	166		7850

(* < 0.05%)

STATION: SANF1

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	0.5	0.1	*	*	*	*	0.1	0.1	*	*	0.1	0.1	0.1	1.2	100
1 - 3		0.5	0.4	0.9	1.5	1.6	1.5	1.2	1.3	1.1	1.1	0.5	0.5	12.1	973
4 - 6		0.6	0.6	1.4	3.0	4.0	3.4	1.9	1.5	1.4	1.1	0.5	0.5	19.9	1598
7 - 10		0.5	0.6	1.9	8.4	8.0	4.3	1.8	1.1	1.6	1.4	0.8	0.6	30.9	2482
11 - 15		0.3	0.4	1.3	11.2	8.6	1.8	1.0	0.9	0.7	0.6	0.4	0.1	27.3	2190
16 - 20		-	0.1	0.7	4.2	1.6	0.3	0.3	0.1	*	0.1	0.2	*	7.7	615
21 - 24		*	-	0.2	0.3	0.1	*	*	*	*	*	-	*	0.7	56
25 - 33		*	-	-	-	*	-	*	*	-	*	*	-	0.1	7
34 - 47		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	2.1	2.1	6.4	28.5	23.9	11.4	6.5	5.0	4.9	4.4	2.5	1.8	100.0	
TOTAL N	42	168	170	512	2289	1917	911	520	399	395	349	204	145		8021

(* < 0.05%)

STATION: SANF1

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	0.8	0.1	*	*	*	*	0.1	*	*	0.1	*	*	*	1.3	107
1 - 3		0.6	0.6	1.0	1.5	1.6	1.4	1.0	0.9	1.0	1.0	0.8	0.6	12.0	982
4 - 6		1.0	1.4	2.0	4.2	4.7	2.2	1.8	1.6	1.4	1.1	0.8	0.8	23.0	1882
7 - 10		1.5	1.6	2.9	8.7	7.5	3.6	1.9	1.5	0.6	1.2	0.7	1.0	32.5	2668
11 - 15		0.5	0.7	2.7	9.1	5.2	2.0	1.1	0.7	0.2	0.3	0.2	0.4	22.9	1879
16 - 20		0.2	0.2	0.7	3.0	1.4	1.0	0.3	0.4	0.1	*	*	*	7.3	601
21 - 24		*	0.1	*	0.1	0.2	0.2	0.1	0.1	*	-	-	-	0.8	66
25 - 33		-	-	-	*	*	0.1	*	*	-	-	-	-	0.2	13
34 - 47		-	-	-	-	-	-	-	-	*	-	-	-	0.0	1
> 48		-	-	-	-	-	-	-	-	*	-	-	-	0.0	1

TOTAL %	0.8	3.8	4.6	9.2	26.7	20.6	10.5	6.1	5.2	3.3	3.6	2.5	2.9	100.0	
TOTAL N	69	315	374	757	2191	1689	864	503	425	273	298	205	237		8200

(* < 0.05%)

STATION: SANF1

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	0.1	*	*	0.1	*	*	0.1	*	*	*	*	0.1	1.0	73
1 - 3		0.7	1.0	1.1	1.6	1.2	0.9	0.7	0.6	0.5	0.9	0.5	0.6	10.2	712
4 - 6		1.0	1.4	3.0	4.2	3.9	2.4	1.4	1.3	1.0	0.7	0.4	0.8	21.4	1501
7 - 10		1.3	1.5	3.5	7.1	6.1	4.1	1.9	1.0	0.7	0.5	0.8	0.9	29.4	2057
11 - 15		0.4	1.0	2.3	8.1	5.5	3.1	1.7	0.5	0.4	0.4	0.6	0.6	24.6	1725
16 - 20		0.1	0.3	1.1	3.4	1.9	1.0	1.1	0.4	0.2	0.1	0.2	0.3	10.0	698
21 - 24		0.1	0.1	0.2	0.2	0.4	0.3	0.3	0.2	0.1	0.1	*	0.1	2.0	140
25 - 33		-	0.1	*	0.1	0.1	0.3	0.2	0.2	0.1	*	-	-	1.0	73
34 - 47		-	0.1	-	-	-	*	*	*	*	-	-	-	0.2	11
> 48		-	-	*	-	-	0.1	*	-	-	-	-	-	0.1	8
TOTAL %	0.5	3.7	5.5	11.2	24.8	19.0	12.2	7.4	4.2	3.1	2.6	2.5	3.3	100.0	
TOTAL N	32	260	385	783	1736	1329	852	519	294	216	183	177	232		6998

(* < 0.05%)

STATION: SANF1

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	0.3	0.1	*	0.1	-	*	-	-	*	-	*	*	*	0.6	40
1 - 3		0.5	0.5	0.6	0.8	0.5	0.3	0.3	0.3	0.3	0.2	0.4	0.5	5.4	384
4 - 6		1.2	1.6	1.9	2.1	1.3	0.8	0.7	0.4	0.4	0.4	0.3	0.6	11.6	832
7 - 10		2.2	3.4	3.9	4.0	2.3	1.1	0.5	0.4	0.6	0.5	0.5	0.7	20.2	1442
11 - 15		1.9	4.7	6.9	6.5	2.7	1.3	0.6	0.5	0.4	0.2	0.3	0.6	26.7	1908
16 - 20		0.6	4.0	7.0	5.7	1.9	0.8	0.9	0.3	*	*	0.1	0.4	21.7	1554
21 - 24		0.1	2.2	4.5	2.1	0.2	0.4	0.3	0.2	*	*	0.1	0.2	10.2	732
25 - 33		*	0.5	2.0	0.3	*	0.2	0.2	0.1	*	-	0.1	0.1	3.5	252
34 - 47		-	-	*	0.1	-	-	-	-	-	-	*	*	0.1	10
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.3	6.6	16.9	26.8	21.6	9.0	4.8	3.5	2.2	1.7	1.3	2.0	3.1	100.0	
TOTAL N	21	475	1212	1920	1542	645	345	251	158	125	95	140	225		7154

(* < 0.05%)

STATION: SANF1

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	0.1	*	*	-	*	-	*	-	*	-	-	*	-	0.2	13
1 - 3		0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	2.0	152
4 - 6		0.8	0.9	0.7	0.6	0.5	0.5	0.3	0.2	0.2	0.3	0.5	0.2	5.5	413
7 - 10		2.7	3.5	2.1	1.9	1.5	1.1	0.6	0.3	0.2	0.4	0.5	0.7	15.6	1169
11 - 15		4.1	7.9	6.4	5.9	4.5	1.4	0.6	0.4	0.1	0.2	0.3	1.5	33.3	2491
16 - 20		3.9	8.2	8.7	4.4	4.1	0.4	0.1	0.2	0.1	0.1	0.4	0.9	31.6	2360
21 - 24		1.1	3.3	3.1	0.6	0.5	0.1	-	0.2	*	*	0.2	0.2	9.3	698
25 - 33		0.4	0.6	0.6	0.2	-	*	0.1	0.1	-	-	0.1	0.1	2.2	164
34 - 47		0.1	-	0.1	-	-	-	*	-	-	-	-	-	0.2	14
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	13.4	24.7	21.9	13.8	11.3	3.7	1.8	1.5	0.8	1.3	2.2	3.8	100.0	
TOTAL N	7	999	1845	1635	1028	843	273	135	112	59	94	162	282		7474

(* < 0.05%)

STATION: SANF1

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	0.1	-	*	-	*	*	-	-	-	*	*	-	-	0.1	11
1 - 3		0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	1.9	151
4 - 6		0.8	0.6	0.7	0.6	0.6	0.7	0.4	0.3	0.1	0.2	0.3	0.4	5.9	456
7 - 10		2.2	4.1	3.0	1.6	1.9	1.0	0.9	0.3	0.2	0.4	0.5	0.8	16.9	1313
11 - 15		5.3	9.0	9.8	5.4	5.1	1.1	1.2	0.5	0.4	0.6	0.6	1.2	40.1	3117
16 - 20		3.6	5.3	6.1	3.6	2.4	0.5	0.3	0.3	0.2	0.2	0.7	1.5	24.7	1922

21 - 24	1.3	2.1	1.5	0.5	0.4	0.1	*	*	*	0.1	0.4	0.9	7.5	579
25 - 33	0.6	0.5	0.4	0.2	*	-	*	*	-	0.1	0.7	0.3	2.8	216
34 - 47	-	-	-	-	-	-	-	-	-	-	*	-	0.0	2
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	14.0	21.8	21.7	12.3	10.5	3.6	2.9	1.5	1.1	1.8	3.3	5.3	100.0
TOTAL N	5	1088	1694	1687	954	819	279	226	120	85	138	257	415	7767

STATION: SANF1

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

All Months: Annual

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	0.1	*	*	*	*	*	*	*	*	*	*	*	0.7	653
1 - 3		0.5	0.5	0.6	0.8	0.8	0.7	0.5	0.5	0.5	0.5	0.4	0.4	6.7	6167
4 - 6		1.0	1.1	1.5	2.1	2.2	1.5	1.1	0.8	0.7	0.6	0.5	0.6	13.8	12736
7 - 10		2.1	2.4	2.7	4.9	4.6	2.6	1.4	0.9	0.6	0.6	0.7	1.1	24.6	22615
11 - 15		2.4	3.4	4.2	7.2	5.9	2.2	1.1	0.7	0.4	0.4	0.5	1.1	29.5	27110
16 - 20		1.5	2.3	3.4	4.5	2.9	0.9	0.6	0.3	0.2	0.1	0.3	0.8	17.8	16395
21 - 24		0.6	1.0	1.2	0.8	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.4	5.2	4803
25 - 33		0.2	0.2	0.4	0.1	0.1	0.1	0.1	*	*	*	0.1	0.2	1.6	1460
34 - 47		*	*	*	*	*	*	*	*	*	-	*	*	0.1	61
> 48		-	-	*	-	-	*	*	-	*	-	-	-	0.0	9
TOTAL %	0.4	8.3	11.0	14.1	20.5	17.0	8.1	5.0	3.4	2.5	2.4	2.8	4.7	100.0	
TOTAL N	369	7652	10099	12960	18862	15664	7412	4563	3120	2266	2194	2552	4296		92009

STATION: SANF1

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

Months: DEC, JAN, FEB (Winter)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.1	*	*	-	*	*	-	-	-	*	*	*	*	0.2	48
1 - 3		0.3	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	2.5	563
4 - 6		0.8	1.1	1.2	0.9	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	7.6	1705
7 - 10		2.3	4.1	3.6	2.2	2.4	1.7	1.0	0.5	0.4	0.3	0.5	1.2	20.3	4553
11 - 15		4.7	6.6	7.6	4.4	5.0	1.9	1.3	0.8	0.4	0.4	0.7	1.6	35.3	7925
16 - 20		3.2	4.1	5.0	3.4	3.2	0.9	0.6	0.4	0.2	0.3	0.7	1.6	23.5	5283
21 - 24		1.4	1.7	1.4	0.7	0.6	0.2	0.1	0.1	0.1	0.1	0.4	0.9	7.6	1709
25 - 33		0.6	0.4	0.5	0.2	0.1	*	*	*	*	0.1	0.4	0.5	3.0	670
34 - 47		*	*	-	-	*	*	-	*	*	-	*	*	0.1	18
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.1	13.3	18.4	19.6	12.0	12.3	5.6	3.7	2.3	1.5	1.7	3.1	6.4	100.0	
TOTAL N	28	2985	4134	4405	2699	2762	1252	834	521	344	374	695	1441		22474

STATION: SANF1

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

Months: MAR, APR, MAY (Spring)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.4	0.1	*	*	*	*	*	*	*	*	*	*	*	0.7	167
1 - 3		0.6	0.5	0.6	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.4	0.5	6.3	1493
4 - 6		1.3	1.2	1.3	1.8	1.8	1.2	0.8	0.7	0.5	0.7	0.7	0.9	12.8	3063
7 - 10		2.8	2.0	2.3	4.8	4.5	2.2	1.3	0.9	0.5	0.6	0.8	1.5	24.1	5752
11 - 15		2.4	2.0	2.6	7.7	7.2	2.8	1.0	0.7	0.5	0.4	0.6	1.8	29.8	7106
16 - 20		1.1	1.1	2.6	6.7	4.1	1.2	0.6	0.2	0.2	0.1	0.4	1.2	19.6	4678
21 - 24		0.6	0.4	1.0	1.4	0.7	0.2	0.1	*	0.1	0.1	0.2	0.6	5.5	1306
25 - 33		0.2	0.1	0.2	0.1	0.1	*	0.1	*	*	0.1	0.1	0.2	1.1	267
34 - 47		*	-	-	*	*	-	-	-	-	-	-	*	0.0	6
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	9.1	7.3	10.6	23.2	19.2	8.3	4.4	3.1	2.2	2.3	3.3	6.6	100.0	
TOTAL N	104	2160	1732	2529	5540	4582	1972	1043	749	522	549	788	1568		23838

STATION: SANF1

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

Months: JUN, JUL, AUG (Summer)

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.7	0.1	*	*	*	*	0.1	0.1	*	0.1	0.1	*	*	1.3	312
1 - 3		0.6	0.5	0.9	1.5	1.6	1.4	1.1	1.1	1.0	1.0	0.7	0.5	11.9	2863
4 - 6		0.9	1.0	1.6	3.5	4.3	2.9	2.1	1.6	1.3	1.1	0.7	0.6	21.7	5222
7 - 10		1.1	1.0	2.0	8.0	8.1	4.1	2.2	1.4	1.2	1.1	0.7	0.7	31.7	7642

11 - 15	0.5	0.5	1.7	9.7	7.0	2.0	1.2	0.8	0.4	0.4	0.2	0.3	24.7	5955
16 - 20	0.1	0.1	0.7	3.3	1.7	0.6	0.5	0.3	0.1	0.1	0.1	*	7.6	1822
21 - 24	*	*	0.1	0.2	0.1	0.2	0.2	*	*	*	-	*	0.9	218
25 - 33	*	*	*	*	*	*	*	*	-	*	*	-	0.1	34
34 - 47	-	-	-	-	-	-	-	*	*	-	-	-	0.0	2
> 48	-	-	-	-	-	-	-	-	*	-	-	-	0.0	1
TOTAL %	0.7	3.2	3.3	7.0	26.2	22.9	11.3	7.4	5.3	4.2	3.7	2.5	2.3	100.0
TOTAL N	177	773	791	1688	6317	5503	2718	1781	1286	1000	899	590	548	24071

(* < 0.05%)

STATION: SANF1

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	0.3	0.1	*	*	*	*	*	*	*	*	*	*	*	0.6	126
1 - 3	0.5	0.5	0.6	0.8	0.6	0.5	0.4	0.3	0.3	0.5	0.4	0.4	0.4	5.8	1248
4 - 6	1.0	1.3	1.8	2.3	1.9	1.2	0.8	0.6	0.5	0.4	0.4	0.5	0.5	12.7	2746
7 - 10	2.1	2.9	3.1	4.3	3.2	2.1	1.0	0.6	0.5	0.5	0.6	0.8	0.8	21.6	4668
11 - 15	2.2	4.6	5.2	6.8	4.3	1.9	1.0	0.5	0.3	0.3	0.4	0.9	0.9	28.3	6124
16 - 20	1.6	4.3	5.7	4.5	2.7	0.7	0.7	0.3	0.1	0.1	0.2	0.6	0.6	21.3	4612
21 - 24	0.5	1.9	2.6	1.0	0.4	0.2	0.2	0.2	*	*	0.1	0.2	0.2	7.3	1570
25 - 33	0.1	0.4	0.9	0.2	*	0.2	0.2	0.1	0.1	*	0.1	0.1	0.1	2.3	489
34 - 47	*	*	*	*	-	*	*	*	*	-	*	*	*	0.2	35
> 48	-	-	*	-	-	*	*	-	-	-	-	-	-	0.0	8
TOTAL %	0.3	8.0	15.9	20.1	19.9	13.0	6.8	4.2	2.6	1.8	1.7	2.2	3.4	100.0	
TOTAL N	60	1734	3442	4338	4306	2817	1470	905	564	400	372	479	739	21626	

(* < 0.05%)

Summary complete: 08-Sep-2003 23:54:51