

STATION: SGNW3

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

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (10/1983 - 12/2001) (146342 RECORDS, 98.4% 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	
37	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	1	#
36	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	-	-	-	-	-	-	-	1	999
35	-	-	-	-	-	-	-	-	1	#	-	-	1	999	3	#	-	-	-	-	-	-	-	-	-	5	999
34	-	-	-	-	-	-	-	-	1	999	-	-	4	999	-	-	-	-	-	-	-	-	-	-	-	5	999
33	-	-	-	-	-	-	-	-	-	-	6	#	15	999	4	999	1	#	-	-	-	-	-	-	-	26	999
32	-	-	-	-	-	-	-	-	-	-	13	999	18	998	21	999	4	999	-	-	-	-	-	-	-	56	999
31	-	-	-	-	-	-	-	-	-	-	20	998	26	997	26	998	6	999	-	-	-	-	-	-	-	78	999
30	-	-	-	-	-	-	-	-	5	999	25	997	50	994	43	995	4	999	-	-	-	-	-	-	-	127	999
29	-	-	-	-	-	-	-	-	13	999	42	995	103	990	62	992	11	999	3	#	-	-	-	-	-	234	998
28	-	-	-	-	-	-	4	#	13	998	61	991	113	982	100	986	24	998	1	999	-	-	-	-	-	316	996
27	-	-	-	-	-	-	2	999	17	997	86	987	152	972	134	977	30	996	4	999	-	-	-	-	-	425	994
26	-	-	-	-	-	-	7	999	37	996	146	980	275	959	230	966	58	993	4	999	-	-	-	-	-	757	991
25	-	-	-	-	-	-	5	999	53	999	215	968	320	936	360	946	97	988	5	999	-	-	-	-	-	1055	986
24	-	-	-	-	-	-	15	999	63	989	250	950	431	910	635	914	154	980	20	999	-	-	-	-	-	1568	979
23	-	-	-	-	4	#	11	997	69	983	298	930	640	874	744	859	264	966	30	997	1	#	-	-	-	2061	968
22	-	-	-	-	5	999	12	996	81	978	472	906	819	820	1016	794	452	943	37	995	4	999	-	-	-	2898	954
21	-	-	-	-	14	999	8	995	101	971	593	868	1118	752	1546	706	574	904	41	992	6	999	-	-	-	4001	934
20	-	-	-	-	9	998	16	995	141	963	593	820	1311	658	1430	571	788	855	93	988	9	999	-	-	-	4390	907
19	-	-	-	-	13	997	24	993	223	952	673	772	1501	548	1364	447	930	786	158	981	14	998	-	-	-	4900	877
18	-	-	-	-	15	996	25	991	265	934	832	718	1416	423	1294	328	990	706	216	969	20	997	2	#	5075	843	
17	-	-	-	-	9	995	33	989	242	912	786	651	1283	304	1089	215	1037	620	303	951	35	996	3	999	4820	809	
16	-	-	-	-	19	994	56	987	351	892	824	587	974	197	633	120	930	530	425	927	54	993	7	999	4273	776	
15	-	-	-	-	21	993	71	982	385	864	910	520	716	115	342	65	1029	450	550	894	90	988	7	999	4121	747	
14	1	#	-	-	45	991	101	976	471	832	1049	447	403	55	204	35	1014	361	638	850	134	981	6	999	4066	719	
13	3	999	-	-	56	988	138	968	566	794	1097	362	135	22	117	18	859	273	869	799	178	970	9	998	4027	691	
12	5	999	-	-	49	983	177	956	844	748	1006	274	84	10	56	7	668	198	1204	730	227	955	23	997	4343	663	
11	7	999	-	-	69	979	258	941	1005	680	937	192	34	3	11	2	517	140	1237	635	377	937	33	996	4485	634	
10	25	999	10	#	84	973	388	920	1205	598	640	117	5	*	8	1	369	96	1224	536	492	906	43	993	4493	603	
9	28	997	17	999	134	967	580	888	1375	500	474	65	-	-	5	1	275	64	1221	439	549	865	77	990	4735	572	
8	42	995	35	998	171	956	747	839	1358	388	264	27	-	-	4	*	185	40	1074	342	628	820	85	984	4593	540	
7	65	991	72	995	238	942	1048	777	1462	278	57	5	-	-	-	-	109	24	769	257	759	769	151	977	4730	508	
6	90	986	124	989	361	923	1295	690	1036	159	5	1	-	-	-	-	69	14	663	196	919	706	295	965	4857	476	
5	121	980	223	978	515	894	1445	583	460	75	1	*	-	-	-	-	58	8	573	143	975	631	409	942	4780	443	
4	230	970	339	959	754	852	1743	462	275	37	2	*	-	-	-	-	26	3	472	98	1035	551	499	910	5375	410	
3	509	952	579	930	1127	791	1497	318	113	15	-	-	-	-	-	-	14	1	361	60	950	466	660	871	5810	374	
2	838	913	870	881	1485	700	887	193	36	6	-	-	-	-	-	-	-	-	187	31	946	388	915	820	6164	334	
1	826	849	998	807	1531	580	530	119	23	3	-	-	-	-	-	-	-	-	89	17	758	310	1157	748	5912	292	
0	805	785	906	722	1199	456	311	75	9	1	-	-	-	-	-	-	-	-	60	10	572	248	1078	658	4940	251	
-1	776	723	821	645	1009	359	230	49	2	*	-	-	-	-	-	-	-	-	38	5	564	201	916	574	4356	218	
-2	724	663	801	575	733	277	128	30	-	-	-	-	-	-	-	-	-	-	18	2	400	155	754	502	3558	188	
-3	755	608	789	506	565	218	108	20	-	-	-	-	-	-	-	-	-	-	4	*	349	122	619	443	3189	163	
-4	737	550	678	439	491	172	38	11	-	-	-	-	-	-	-	-	-	-	-	-	250	93	569	395	2763	142	
-5	784	493	581	381	381	132	39	8	-	-	-	-	-	-	-	-	-	-	-	-	229	73	498	350	2512	123	
-6	669	432	570	332	298	101	27	4	-	-	-	-	-	-	-	-	-	-	-	-	179	54	374	311	2117	106	
-7	657	381	497	283	224	77	7	2	-	-	-	-	-	-	-	-	-	-	-	-	136	39	451	282	1972	91	
-8	563	330	409	241	201	59	12	1	-	-	-	-	-	-	-	-	-	-	-	-	125	28	372	247	1682	78	
-9	540	287	388	206	138	43	3	*	-	-	-	-	-	-	-	-	-	-	-	-	103	18	345	218	1517	66	
-10	452	245	343	173	103	32	3	*	-	-	-	-	-	-	-	-	-	-	-	-	48	9	349	191	1298	56	
-11	366	211	275	144	91	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	5	327	164	1082	47	
-12	337	182	275	121	75	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	3	314	138	1025	40	
-13	315	157	252	97	52	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1	224	114	853	33	
-14	264	132	188	76	36	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	198	96	690	27	
-15	215	112	184	60	26	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*	190	81	618	22	
-16	254	95	125	44	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154	66	541	18
-17	217	76	70	33	2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195	54	484	14
-18	172	59	56	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134	39	362	11
-19	138	46	74	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99	28	311	8
-20	109	35	64	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	20	237	6
-21	96	27	34	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	15	187	5
-22	70	19	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	11	127	3
-23	48	14	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	8	94	2
-24	37	10	11	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	5	61	2
-25	26	8	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	4	49	1
-26	22	6	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	3	44	1
-27	23	4	10	3	-																						

MAX 14.3 10.1 23.2 28.0 34.7 32.9 36.8 35.4 32.5 28.9 22.7 17.5 36.8  
 DATE 1990011717 1999021201 2000030723 1991040622 1992050121 1996062923 1995071423 1995081501 1994091320 1997100521 1999110921 1998120321 1995071423  
 MIN -30.9 -31.2 -16.8 -10.2 -0.7 4.3 9.8 7.6 2.6 -2.8 -14.7 -29.3 -31.2  
 DATE 1985012014 1996020313 1995030213 1995040415 1989050613 1990060411 2001070209 1986082811 1993093011 1996103110 1986111313 1983122411 1996020313  
 (\* < 0.05% , # = 100.0%)

STATION: SGNW3

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

ELEMENT: SEA TEMPERATURE (DEGREES C) -- POR: (11/1985 - 12/2001) (49966 RECORDS, 33.6% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN			
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF		
24	-	-	-	-	-	-	-	-	-	-	-	-	3	#	3	#	-	-	-	-	-	-	-	-	-	6	#	
23	-	-	-	-	-	-	-	-	-	-	-	-	9	999	59	998	5	#	-	-	-	-	-	-	-	73	999	
22	-	-	-	-	-	-	-	-	-	-	15	#	50	995	135	968	12	998	-	-	-	-	-	-	-	212	998	
21	-	-	-	-	-	-	-	-	-	-	61	995	123	972	112	898	65	995	-	-	-	-	-	-	-	361	994	
20	-	-	-	-	-	-	-	-	-	-	58	972	159	916	162	840	253	974	19	#	-	-	-	-	-	651	987	
19	-	-	-	-	-	-	-	-	4	#	98	951	172	845	209	756	422	893	51	997	-	-	-	-	-	956	974	
18	-	-	-	-	-	-	-	-	28	999	129	915	131	767	264	648	626	758	106	989	-	-	-	-	-	1284	955	
17	-	-	-	-	-	-	-	-	33	991	145	868	226	708	335	512	389	557	38	971	-	-	-	-	-	1166	929	
16	-	-	-	-	-	-	8	#	47	982	196	815	227	606	295	339	330	433	186	965	-	-	-	-	-	1289	906	
15	-	-	-	-	-	-	10	998	84	968	277	744	249	503	153	186	142	327	270	935	-	-	-	-	-	1185	880	
14	-	-	-	-	-	-	18	995	224	945	387	643	238	390	70	107	264	282	349	891	13	#	-	-	-	1563	856	
13	-	-	-	-	-	-	34	990	431	881	408	502	201	283	53	71	173	197	362	834	87	998	-	-	-	1749	825	
12	-	-	-	-	-	-	83	980	702	759	384	353	190	192	60	43	146	142	623	775	190	987	-	-	-	2378	790	
11	-	-	-	-	19	#	178	957	808	560	297	213	112	106	12	12	131	95	866	673	248	962	-	-	-	2671	742	
10	-	-	-	-	25	995	312	908	652	332	180	105	86	56	7	6	101	53	970	532	525	930	-	-	-	2858	689	
9	-	-	-	-	43	987	473	821	322	147	78	39	36	17	2	3	63	21	895	374	727	861	3	#	2642	632		
8	-	-	-	-	105	975	739	689	181	56	29	11	1	*	3	2	2	1	871	228	1099	766	109	999	3139	579		
7	-	-	-	-	165	945	586	483	16	5	-	-	-	-	-	-	-	-	267	86	1223	622	194	984	2451	516		
6	1	#	-	-	165	898	512	319	-	-	-	-	-	-	-	-	-	-	199	43	1066	462	335	956	2278	467		
5	1	999	10	#	248	851	323	177	-	-	-	-	-	-	-	-	-	-	64	10	734	323	467	908	1847	421		
4	7	999	122	997	390	780	183	87	-	-	-	-	-	-	-	-	-	-	-	-	737	227	675	841	2114	384		
3	58	998	99	966	481	668	128	36	-	-	-	-	-	-	-	-	-	-	-	-	739	131	1033	744	2538	342		
2	408	986	366	940	493	531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	181	34	1194	595	2642	291		
1	1429	899	996	846	910	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	10	1494	424	4909	238		
0	2807	596	2289	590	452	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1456	209	7004	140	
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
MEAN	0.5		0.6		2.8		7.5		11.3		13.8		15.6		17.6		16.2		10.6		6.6		2.3		7.4			
S.D.	0.7		0.9		2.4		2.2		1.9		2.9		3.3		2.7		3.0		2.8		2.6		2.0		5.9			
TOTAL	4711		3882		3496		3587		3532		2742		2213		1934		3124		6136		7649		6960		49966			
MAX	5.9		5.2		11.3		15.6		18.7		21.9		24.0		23.8		22.8		19.8		14.3		9.1		24.0			
DATE	1987011605	1998021520	1998033019	1987042002	1987053006	1997062323	1987070822	1987080405	1994091500	1994100700	1994112023	1998120206	1987070822															
MIN	-0.4		-0.3		-0.1		2.7		7.1		7.6		8.4		8.2		8.3		4.6		0.7		-0.2		-0.4			
DATE	2000011822	2000020419	2001030714	1987040314	1994050114	1987060814	1986070516	1986081717	1986090522	1997102816	1985112910	2001123009	2000011822															

STATION: SGNW3

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

ELEMENT: AIR - SEA TEMPERATURE (DEGREES C) -- POR: (11/1985 - 12/2001) (49917 RECORDS, 33.6% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
27	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	1	#
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
24	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	2	999
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
22	-	-	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	2	999
21	-	-	-	-	-	-	-	-	-	-	-	-	4	998	-	-	-	-	-	-	-	-	-	-	-	4	999
20	-	-	-	-	-	-	-	-	-	-	-	-	4	996	-	-	-	-	-	-	-	-	-	-	-	4	999
19	-	-	-	-	-	-	-	-	-	-	2	#	2	994	-	-	-	-	-	-	-	-	-	-	-	4	999
18	-	-	-	-	-	-	-	-	-	-	8	999	8	993	-	-	-	-	2	#	-	-	-	-	-	18	999
17	-	-	-	-	4	#	2	#	-	-	12	996	5	990	-	-	-	-	2	999	-	-	-	-	-	25	999
16	-	-	-	-	3	999	1	999	2	#	8	992	8	987	-	-	-	-	1	999	-	-	-	-	-	23	999
15	-	-	-	-	2	998	3	999	11	999	7	989	12	984	-	-	3	#	1	999	-	-	-	-	-	39	998
14	-	-	-	-	6	997	3	998	13	996	12	986	13	978	-	-	3	999	7	999	-	-	-	-	-	57	998
13	-	-	-	-	8	996	4	997	11	993	19	982	18	972	-	-	7	998	6	998	4	#	-	-	-	77	996
12	-	-	-	-	12	993	4	996	17	990	29	975	45	964	2	#	7	996	14	997	3	999	-	-	-	133	995
11	-	-	-	-	9	990	1	995	12	985	28	965	53	944	8	999	6	994	9	995	9	999	-	-	-	135	992
10	-	-	-	-	9	987	3	995	32	981	24	954	61	920	10	995	26	992	22	993	12	998	2	#	201	990	
9	1	#	1	#	15	985	5	994	28	972	36	946	84	892	28	990	31	983	25	990	13	996	2	999	269	985	
8	6	999	5	999	14	981	12	993	33	964	59	932	123	854	52	975	31	973	47	985	23	995	2	999	407	980	
7	12	999	9	998	23	977	26	989	49	955	85	911	179	798	81	948	48	963	78	978	43	992	4	999	637	972	

6	4	996	10	996	26	970	38	982	47	941	114	880	187	717	138	906	89	948	123	965	53	986	12	999	841	959
5	11	995	23	994	35	962	44	972	83	928	140	838	227	632	122	835	147	920	200	945	78	979	19	997	1129	942
4	34	993	52	988	41	952	58	959	81	904	183	787	201	529	121	772	212	873	333	912	114	969	44	994	1474	920
3	76	986	97	974	60	941	70	943	116	881	224	720	178	438	186	709	292	805	430	858	210	954	107	988	2046	890
2	147	969	155	949	158	923	100	924	172	848	342	638	158	357	209	613	297	711	463	788	454	926	227	972	2882	849
1	279	938	418	909	391	878	163	896	244	800	343	513	155	285	292	505	438	616	639	713	708	867	431	940	4501	791
0	362	879	535	802	415	766	240	850	264	730	358	388	137	215	294	354	382	476	779	608	737	774	565	878	5068	701
-1	523	802	441	664	489	647	391	783	490	656	287	257	157	153	165	202	325	354	629	481	907	678	688	796	5492	600
-2	281	691	395	550	499	507	578	674	521	517	215	152	75	81	92	116	270	249	530	379	823	559	738	697	5017	490
-3	313	631	374	448	389	364	650	513	540	369	108	74	47	47	56	69	241	163	506	293	688	452	663	591	4575	389
-4	306	565	293	352	266	253	550	332	427	216	50	34	25	26	23	40	121	86	414	210	689	362	589	496	3753	298
-5	351	500	214	277	186	177	341	178	192	95	17	16	14	15	25	28	88	47	320	143	575	272	513	411	2836	222
-6	285	425	176	222	131	123	219	83	84	41	11	10	8	8	14	15	35	19	227	90	505	196	372	337	2067	166
-7	270	365	137	176	68	86	54	22	39	17	15	6	9	5	6	8	21	8	127	53	374	130	244	283	1364	124
-8	232	307	101	141	89	66	24	7	15	6	1	*	1	*	5	5	3	1	107	33	217	81	279	248	1074	97
-9	229	258	80	115	77	41	1	*	4	1	-	-	-	-	4	2	-	-	38	15	115	53	214	208	762	75
-10	162	210	66	94	32	19	-	-	1	*	-	-	-	-	-	-	-	-	30	9	74	38	180	177	545	60
-11	142	175	57	77	21	9	-	-	-	-	-	-	-	-	-	-	-	-	14	4	90	28	199	151	523	49
-12	112	145	75	63	7	3	-	-	-	-	-	-	-	-	-	-	-	-	12	2	47	17	183	123	436	39
-13	102	121	56	43	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	10	145	96	325	30
-14	72	100	40	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	8	122	76	259	23
-15	64	84	25	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	5	131	58	242	18
-16	74	71	23	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2	65	39	169	13
-17	83	55	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	73	30	169	10
-18	68	37	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	65	19	141	7
-19	37	23	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	10	81	4
-20	25	15	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	5	43	2
-21	24	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	3	33	1
-22	18	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1	28	1
-23	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	*
MEAN	-5.3	-2.9	-1.6	-2.0	-0.8	-0.8	2.0	4.2	1.9	0.8	-0.4	-2.3	-4.6	-1.7												
S.D.	5.6	4.3	3.7	3.0	3.8	4.0	4.5	3.7	3.2	3.4	3.8	5.1	4.8													
TOTAL	4709	3882	3490	3585	3528	2737	2203	1933	3123	6135	7645	6947	49917													
MAX	8.9	8.7	17.1	16.9	15.8	18.8	26.8	12.2	15.4	17.9	13.4	9.8	26.8													
DATE	1998010317	2000022701	1987030722	1994042622	1986050621	1987061300	1995071423	1994082822	1994091323	1997100520	1999110921	1998120321	1995071423													
MIN	-22.7	-19.8	-13.2	-8.5	-10.0	-7.6	-7.5	-9.0	-7.7	-12.2	-18.3	-22.2	-22.7													
DATE	1987012414	1993021813	1998031112	1986042211	2001051122	1986062508	1995070210	1986082811	1998092312	2001100711	1986111313	1985121810	1987012414													

STATION: SGNW3

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C) -- POR: (2/1989 - 12/2001) (69054 RECORDS, 46.4% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
29	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#
28	-	-	-	-	-	-	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
27	-	-	-	-	-	-	-	-	-	-	1	999	11	#	1	#	-	-	-	-	-	-	-	-	-	13	999
26	-	-	-	-	-	-	-	-	-	-	3	999	11	997	26	999	-	-	-	-	-	-	-	-	-	40	999
25	-	-	-	-	-	-	-	-	-	-	3	998	11	993	89	993	2	#	-	-	-	-	-	-	-	105	999
24	-	-	-	-	-	-	-	-	-	-	3	997	36	990	179	971	6	999	-	-	-	-	-	-	-	224	998
23	-	-	-	-	-	-	-	-	-	-	12	996	80	979	184	927	28	999	-	-	-	-	-	-	-	304	994
22	-	-	-	-	-	-	-	-	-	-	55	993	182	955	158	882	58	993	-	-	-	-	-	-	-	453	990
21	-	-	-	-	-	-	-	-	1	#	102	978	234	900	165	843	106	983	-	-	-	-	-	-	-	608	983
20	-	-	-	-	-	-	-	-	4	999	144	951	245	829	207	802	171	963	2	#	-	-	-	-	-	773	975
19	-	-	-	-	-	-	-	-	5	999	128	912	284	755	436	751	234	932	11	999	-	-	-	-	-	1098	963
18	-	-	-	-	-	-	-	-	10	998	186	877	312	669	397	643	217	889	33	998	-	-	-	-	-	1155	948
17	-	-	-	-	-	-	-	-	12	996	241	827	301	574	361	545	254	849	84	994	1	#	-	-	-	1254	931
16	-	-	-	-	-	-	-	-	17	993	267	761	329	483	362	456	269	803	84	982	4	999	-	-	-	1332	913
15	-	-	-	-	2	#	2	#	34	989	312	689	295	383	364	367	371	754	167	971	6	999	-	-	-	1553	893
14	-	-	-	-	9	999	1	999	37	982	264	604	262	294	329	277	382	686	220	948	15	998	-	-	-	1519	871
13	1	#	-	-	14	998	6	999	99	974	214	533	171	214	226	195	367	616	285	917	41	996	-	-	-	1424	849
12	2	999	-	-	7	996	5	998	123	952	300	475	130	163	225	140	429	548	505	878	96	991	-	-	-	1822	828
11	1	999	-	-	8	995	14	997	201	925	224	393	116	123	174	84	376	470	478	808	114	977	14	#	1720	802	
10	4	999	1	#	6	993	11	995	251	881	199	333	96	88	91	41	397	401	489	743	146	961	33	998	1724	777	
9	6	999	3	999	17	992	42	993	310	826	228	279	86	59	36	19	371	328	431	675	205	940	36	994	1771	752	
8	12	998	7	999	16	989	65	986	388	759	268	217	44	33	21	10	365	260	454	616	176	912	41	990	1857	726	
7	14	996	9	998	45	987	109	974	375	674	223	144	40	20	9	4	262	193	440	553	270	887	35	984	1831	699	
6	13	994	18	997	78	979	220	954	404	592	161	84	11	8	5	2	172	145	381	493	241	849	104	980	1808	673	
5	33	993	49	995	91	966	373	915	449	503	67	40	10	4	3	1	129	114	436	440	279	815	119	967	2038	647	
4	68	988	86	987	82	951	466	849	460																		

-5	385	657	341	627	363	384	168	130	22	12	-	-	-	-	7	2	110	43	332	253	520	525	2248	267	
-6	350	604	312	578	339	323	117	99	16	7	-	-	-	-	2	*	66	28	250	206	335	460	1787	234	
-7	369	555	288	533	301	266	110	79	2	3	-	-	-	-	-	-	40	19	257	171	300	417	1667	208	
-8	384	504	320	492	266	215	91	59	8	3	-	-	-	-	-	-	37	13	222	134	293	379	1621	184	
-9	314	450	346	446	177	171	50	43	5	1	-	-	-	-	-	-	27	8	190	103	284	342	1393	161	
-10	313	407	381	396	130	141	44	34	-	-	-	-	-	-	-	-	15	4	87	77	218	306	1188	141	
-11	265	363	272	341	118	119	24	26	-	-	-	-	-	-	-	-	8	2	85	64	207	279	979	123	
-12	275	326	191	302	89	99	28	22	-	-	-	-	-	-	-	-	3	1	90	52	236	253	912	109	
-13	289	288	209	275	79	84	21	17	-	-	-	-	-	-	-	-	3	1	137	40	201	223	939	96	
-14	254	248	187	245	82	71	19	13	-	-	-	-	-	-	-	-	2	*	82	20	176	197	802	82	
-15	206	213	206	218	67	57	18	9	-	-	-	-	-	-	-	-	-	-	37	9	186	175	720	71	
-16	184	184	172	188	49	46	11	6	-	-	-	-	-	-	-	-	-	-	17	4	153	152	586	60	
-17	167	159	165	163	44	38	6	4	-	-	-	-	-	-	-	-	1	*	7	1	129	132	519	52	
-18	119	135	153	140	28	30	9	3	-	-	-	-	-	-	-	-	-	-	2	*	144	116	455	44	
-19	115	119	169	118	64	26	5	2	-	-	-	-	-	-	-	-	-	-	-	-	146	98	499	38	
-20	102	103	163	93	24	15	3	1	-	-	-	-	-	-	-	-	-	-	-	-	163	79	455	31	
-21	112	89	112	70	27	11	1	*	-	-	-	-	-	-	-	-	-	-	-	-	107	59	359	24	
-22	114	73	84	54	30	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	45	329	19	
-23	71	57	51	42	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94	33	222	14	
-24	74	47	61	34	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	21	173	11	
-25	57	37	57	26	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	16	156	8	
-26	44	29	46	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	11	119	6	
-27	36	23	20	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	62	4	
-28	31	18	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	41	3	
-29	26	14	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	6	46	3	
-30	13	10	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	22	2	
-31	23	8	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	37	2	
-32	14	5	17	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	3	39	1	
-33	14	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2	24	1	
-34	4	1	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	15	*	
-35	5	1	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	12	*	
MEAN	-8.6		-8.1		-3.6		0.4		5.6		12.8		16.4		17.0		11.7		6.0		-0.3		-6.5		1.6
S.D.	7.8		7.6		5.9		4.5		4.1		4.7		4.0		4.0		5.2		5.8		6.2		7.8		10.5
TOTAL	7195		6957		5953		5598		4573		3689		3301		4049		5457		7260		7108		7914		69054
MAX	12.9		9.9		14.5		14.8		21.4		28.5		27.4		26.5		24.8		20.0		16.5		11.1		28.5
DATE	1990011710	1999021201	2000030807	1994042423	2000050900	1994061313	1995071411	1995080719	1994091423	1994100801	1994111405	1998120523	1994061313												
MIN	-34.9		-35.0		-24.6		-20.7		-9.3		-2.3		4.0		3.9		-6.0		-16.5		-17.7		-35.0		-35.0
DATE	1994011817	1996020307	1993031416	1995040415	1997050416	1994060305	2001070117	1989080717	1989092323	1989100420	1989111815	1989122117	1996020307												

STATION: SGNW3

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

ELEMENT: AIR - DEW POINT TEMPERATURE (DEGREES C) -- POR: (2/1989 - 12/2001) (69038 RECORDS, 46.4% 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	
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	1	#	
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	-	1	999	
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999	
27	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	
26	-	-	-	-	1	#	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	999	
25	-	-	-	-	-	-	-	2	#	-	-	-	-	-	-	-	-	-	2	999	1	#	-	-	5	999	
24	-	-	-	-	-	-	3	999	-	-	-	-	-	-	-	1	#	-	-	1	999	-	-	-	5	999	
23	-	-	-	-	3	999	1	999	6	999	-	-	-	-	-	-	1	999	1	999	-	-	-	-	12	999	
22	-	-	-	-	2	999	1	999	7	998	1	#	-	-	-	-	-	-	2	999	1	999	-	-	14	999	
21	-	-	5	#	4	999	11	999	7	997	1	999	-	-	-	-	3	999	5	999	2	999	-	-	38	999	
20	-	-	4	999	2	998	10	997	18	995	2	999	2	#	-	-	1	999	12	998	7	999	-	-	58	999	
19	-	-	6	999	3	998	19	995	15	991	1	999	1	999	3	998	-	2	999	18	997	3	998	2	#	70	998
18	-	-	9	998	8	997	27	991	19	988	-	-	7	999	-	-	8	999	29	994	7	998	-	-	114	997	
17	3	#	5	997	9	996	38	987	18	984	2	999	7	997	7	#	17	997	23	990	10	997	1	999	140	995	
16	2	999	11	996	11	995	38	980	20	980	3	998	10	995	9	998	11	994	33	987	13	995	2	999	163	993	
15	1	999	11	994	16	993	32	973	10	976	10	997	15	992	7	996	25	992	27	983	20	994	6	999	180	991	
14	7	999	20	993	23	990	40	967	28	973	14	995	21	987	13	994	37	987	45	979	26	991	7	999	281	988	
13	9	998	35	990	26	986	71	960	30	967	25	991	31	981	19	991	56	981	89	973	53	987	35	998	479	984	
12	12	997	49	985	43	982	94	947	48	961	37	984	35	972	40	986	81	970	128	960	85	980	32	993	684	977	
11	29	995	79	978	53	975	96	931	71	950	51	974	51	961	38	977	110	995	117	943	104	968	64	989	863	967	
10	34	991	118	966	95	966	147	914	109	935	87	960	48	945	50	967	137	935	175	927	158	953	100	981	1258	955	
9	64	987	194	949	168	950	141	887	150	911	96	937	71	931	104	955	192	910	246	902	240	931	173	969	1839	937	
8	129	978	402	922	288	922	186	862	187	878	122	911	110	909	160	929	268	875	323	869	344	897	203	947	2722	910	
7	315	960	503	864	340	873	276	829	252	837	154	877	168	876	261	890	364	826	441	824	425	849	384	921	3883	871	
6	502	916	613	791	528	816	367	779	343	782	209	836	174	825	303	825	495	759	601	763	613	789	611	873	5359	814	
5	884	846	789	703	605	727	489	714	415	707	284	779	245	772	376	750	593	668	651	681	833	703	885	795	7049	737	
4	1159	723	940	590	679	626	666	627	537	616	410	702	347	698	496	657	649	560	846	591	1075	585	1231	683	9035	635	
3	1266	562	896	455	787	512	737	508	633	499	544	591	438	593	543	535	768	441	1020	474	1034	434	1486	528	10152	504	
2	1219	386	910																								

S.D.	2.3	3.0	3.2	4.1	3.8	3.1	3.4	3.0	3.3	3.7	3.1	2.5	3.2
TOTAL	7195	6956	5951	5596	4572	3689	3299	4048	5454	7260	7104	7914	69038
MAX	17.3	21.2	26.1	26.6	24.9	22.1	19.9	17.2	23.8	30.2	24.8	18.5	30.2
DATE	1990012820	1990021019	1999032923	1994041921	1999052719	1994061222	2001071020	1998083023	1989092819	1989100420	1999110619	1989120821	1989100420
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	2001013022	2001022514	2001033123	2001042510	2000051814	1999062822	1999072311	1999082505	2000092319	2000103123	2000113002	2000123015	2001042510

(\* < 0.05% , # = 100.0%)

STATION: SGNW3

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

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (10/1983 - 12/2001) (143115 RECORDS, 96.2% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
1051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
1050	-	-	7	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	#
1049	-	-	19	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	999
1048	-	-	5	998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999
1047	-	-	4	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
1046	-	-	4	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
1045	-	-	4	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	999
1044	-	-	5	996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	999
1043	10	#	7	996	4	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	#	32	999
1042	15	999	8	995	11	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	#	30	999	68	999	
1041	34	998	6	995	16	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	999	26	997	116	999	
1040	28	995	10	994	7	997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	997	42	995	107	998	
1039	56	993	21	993	14	997	-	-	-	-	-	-	-	-	-	3	#	-	-	-	34	995	52	991	180	997	
1038	64	989	29	991	30	996	-	-	-	-	-	-	-	-	-	3	999	-	-	-	49	992	42	987	217	996	
1037	86	984	50	989	57	993	10	#	-	-	-	-	-	-	-	10	999	-	-	-	37	988	54	984	304	995	
1036	102	977	106	985	37	988	15	999	-	-	-	-	-	-	-	17	999	-	-	21	#	28	985	40	980	366	993
1035	130	969	110	976	60	985	19	998	-	-	-	-	-	-	-	4	997	37	998	33	983	58	977	451	990		
1034	147	959	102	966	97	980	21	996	-	-	-	-	-	-	-	13	997	50	995	39	980	86	972	555	987		
1033	205	947	181	957	102	972	29	994	3	#	-	-	-	-	-	12	996	78	991	80	977	119	965	809	983		
1032	250	931	177	942	123	963	50	991	11	999	-	-	-	-	-	48	995	90	985	99	971	157	956	1005	977		
1031	220	911	199	927	192	952	54	987	21	999	-	-	-	-	-	47	990	119	978	137	962	193	943	1182	970		
1030	252	894	254	910	256	936	83	982	53	997	2	#	1	#	-	-	92	986	187	969	186	951	228	928	1594	962	
1029	259	874	279	888	277	914	144	975	75	992	10	999	7	999	4	#	105	978	190	954	230	936	249	910	1829	951	
1028	296	854	323	864	343	890	143	962	106	986	32	999	20	999	23	999	212	969	197	939	288	917	358	890	2341	938	
1027	310	830	313	837	310	861	174	949	178	977	43	996	42	998	75	998	190	951	315	923	319	893	416	862	2685	922	
1026	311	806	400	810	348	835	238	933	248	961	112	993	105	994	122	991	256	934	398	898	356	867	431	829	3325	903	
1025	383	781	495	776	426	805	276	911	241	940	144	983	104	985	180	980	295	912	456	866	339	838	445	795	3784	880	
1024	381	751	482	733	415	769	342	886	310	919	279	971	176	977	348	965	350	887	478	830	481	810	453	760	4495	853	
1023	422	721	464	692	460	733	350	855	371	893	327	948	258	962	458	934	433	856	466	792	535	770	524	724	5068	822	
1022	459	688	539	652	503	694	365	824	487	861	432	921	400	940	551	895	499	819	606	755	527	726	633	683	6001	786	
1021	512	652	503	606	456	651	411	791	591	818	489	885	398	907	741	847	583	776	654	707	532	683	606	633	6476	745	
1020	490	611	492	563	508	612	498	753	606	768	539	844	500	874	730	782	724	725	692	655	599	639	589	585	6967	699	
1019	503	573	580	521	517	568	505	708	662	715	621	800	716	832	900	718	700	662	651	600	490	590	576	538	7421	651	
1018	566	533	542	471	537	524	523	663	740	658	744	748	777	772	989	640	759	602	652	548	529	550	585	493	7943	599	
1017	597	488	467	425	541	478	543	615	644	594	737	686	869	707	1191	554	689	536	684	497	522	506	570	446	8054	543	
1016	509	441	476	385	450	432	551	566	690	539	727	625	1031	634	979	450	702	476	626	442	560	464	543	401	7844	487	
1015	568	401	422	344	531	394	614	516	693	479	840	564	1061	548	836	365	688	415	581	393	516	418	550	358	7900	432	
1014	481	356	405	308	470	348	538	461	591	419	811	494	1032	459	678	292	582	356	555	346	461	375	573	315	7177	377	
1013	496	318	403	274	418	308	484	412	499	368	735	427	806	373	598	233	539	305	587	302	484	337	430	269	6479	327	
1012	395	279	392	239	386	273	525	368	515	325	737	366	809	306	518	181	523	259	526	256	444	297	367	235	6137	282	
1011	404	248	353	206	336	240	505	321	412	281	767	304	780	238	364	136	531	213	445	214	425	261	352	206	5674	239	
1010	344	216	305	175	356	211	436	275	412	245	682	241	665	173	341	104	450	167	395	179	406	226	337	179	5129	199	
1009	335	189	301	149	259	180	414	235	367	210	609	184	493	117	273	74	433	128	321	147	381	193	325	152	4511	163	
1008	311	163	226	124	312	158	379	198	302	178	437	133	310	76	169	50	278	91	270	122	273	161	239	126	3506	132	
1007	294	138	163	104	234	132	312	164	330	152	309	97	237	50	129	36	192	67	213	100	297	139	193	107	2903	107	
1006	186	115	155	90	191	112	306	135	272	124	258	71	132	30	117	24	155	50	163	83	280	114	160	92	2375	87	
1005	207	100	146	77	162	95	230	108	241	100	143	50	79	19	73	14	132	37	148	70	204	91	201	79	1966	70	
1004	187	84	125	65	127	82	212	87	221	79	90	38	49	12	29	8	88	25	164	59	152	75	174	64	1618	57	
1003	130	69	151	54	114	71	139	68	160	60	80	30	38	8	18	5	68	18	143	46	104	62	123	50	1268	45	
1002	113	59	104	41	108	61	125	55	117	47	76	24	25	5	18	4	44	12	97	34	122	54	110	40	1059	36	
1001	112	50	71	32	106	52	108	44	94	36	57	17	19	3	8	2	27	8	61	26	96	44	88	31	847	29	
1000	78	41	50	26	70	43	71	34	63	28	59	13	10	1	8	1	21	6	37	22	59	36	82	24	608	23	
999	67	35	46	22	42	37	64	28	89	23	44	8	6	1	3	1	10	4	46	19	63	31	62	18	542	19	
998	70	30	45	18	56	33	43	22	62	15	25	4	1	*	1	1	11	3	37	15	48	26	34	13	433	15	
997	54	24	43	14	50	28	28	18	38	10	9	2															

986	1	*	-	-	7	2	1	1	-	-	-	-	-	-	-	2	1	10	2	1	*	22	*		
985	1	*	-	-	2	1	4	*	-	-	-	-	-	-	-	3	1	8	2	-	-	18	*		
984	1	*	-	-	2	1	1	*	-	-	-	-	-	-	-	2	*	3	1	-	-	9	*		
983	2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	2	*	5	1	-	-	9	*		
982	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	2	*	2	*	-	-	5	*		
981	-	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	2	*	-	-	5	*		
980	-	-	-	-	3	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	*		
979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*		
MEAN	1017.8		1018.7		1017.5		1015.0		1015.1		1014.5		1015.0		1016.7		1016.7		1017.1		1016.9		1018.3		1016.6
S.D.	9.7		9.0		9.2		7.8		7.0		5.6		4.7		4.7		6.4		7.6		8.8		8.7		7.8
TOTAL	12684		11689		11707		11047		11592		12020		11956		11477		11541		12588		12167		12647		143115
MAX	1043.4		1050.1		1042.8		1037.0		1032.7		1029.5		1029.6		1028.8		1038.6		1036.2		1041.9		1043.2		1050.1
DATE	1986010804	1989021714	1990030714	1992041303	1987050417	1991060616	1997073016	1994080915	1985091317	2001103006	1986111314	1991121916	1989021714												
MIN	983.0		987.3		979.6		983.9		987.1		994.5		998.4		995.8		989.9		981.7		981.0		986.4		979.6
DATE	1996011822	2001022512	1991032800	1984043010	1990051011	1990060310	1997070217	1997081513	1997092917	1996103009	1998111018	1984122122	1991032800												

(\* < 0.05% , # = 100.0%)

STATION: SGNW3

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

ELEMENT: AVERAGE WIND SPEED (KNOTS) -- POR: (10/1983 - 12/2001) (145993 RECORDS, 98.2% HAVE ELEMENT)

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN		
	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	F	CPF	
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	1	#
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	1	#	2	999	
44	-	-	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	2	999	
43	-	-	-	-	-	-	1	999	-	-	-	-	1	#	-	-	-	-	-	-	-	-	1	999	3	999	
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999	2	999	
41	1	#	1	#	2	#	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	3	999	8	999		
40	2	999	1	999	3	999	3	999	-	-	1	#	-	-	-	-	-	-	-	4	999	4	999	18	999		
39	4	999	-	-	2	999	5	999	-	-	-	-	-	-	-	-	-	-	-	2	999	3	999	16	999		
38	1	999	3	999	6	999	6	999	-	-	-	-	-	-	-	-	-	-	-	5	999	3	999	24	999		
37	3	999	6	999	5	999	7	999	-	-	1	999	-	-	-	-	1	#	-	-	5	999	6	999	34	999	
36	5	999	8	999	8	999	9	999	-	-	-	-	-	-	-	-	-	-	-	15	998	6	998	51	999		
35	5	999	12	998	10	998	12	997	3	#	-	-	-	-	-	2	999	3	#	15	997	1	998	63	999		
34	5	998	4	997	8	997	8	996	2	999	-	-	-	-	1	#	2	999	2	999	16	996	5	998	53	998	
33	8	998	7	997	12	996	12	995	1	999	2	999	-	-	-	-	4	999	3	999	27	995	11	997	87	998	
32	15	997	11	996	15	995	17	994	4	999	5	999	-	-	-	-	6	999	5	999	29	993	8	996	115	998	
31	18	996	12	995	18	994	23	993	7	999	7	999	-	-	-	-	7	999	13	999	33	990	8	996	146	997	
30	27	995	19	994	28	993	38	991	8	999	9	999	-	-	1	999	9	998	18	998	40	988	24	995	221	996	
29	33	993	27	993	37	991	50	987	20	998	12	998	1	999	1	999	14	997	19	997	48	985	37	993	299	994	
28	49	990	48	991	53	988	57	983	21	996	20	997	2	999	2	999	14	996	31	995	54	981	54	990	405	992	
27	76	986	41	986	58	983	63	978	38	995	20	995	5	999	6	999	14	995	58	993	82	977	56	986	517	989	
26	85	981	88	983	97	979	100	972	44	991	27	994	11	999	8	999	27	994	101	988	112	970	87	982	787	986	
25	104	974	67	975	104	971	116	964	54	988	31	992	10	998	14	998	34	991	97	980	139	961	88	975	858	980	
24	129	966	111	970	119	962	113	953	73	983	40	989	24	997	17	997	45	988	100	972	153	950	133	968	1057	975	
23	173	956	161	960	156	953	145	943	104	977	54	986	41	995	33	996	55	985	167	964	201	938	158	958	1448	967	
22	231	943	201	947	206	940	183	930	144	969	79	982	65	992	34	993	104	980	170	951	236	922	183	946	1836	957	
21	273	925	240	930	219	923	232	914	178	957	123	975	91	987	62	990	140	971	220	937	284	904	235	932	2297	945	
20	337	904	261	909	287	906	233	894	236	942	159	965	110	979	97	984	154	959	254	920	281	881	249	913	2658	929	
19	499	878	394	887	402	882	365	873	330	922	225	952	194	970	161	976	246	945	385	900	441	859	401	894	4043	911	
18	501	840	428	853	432	850	325	841	348	895	221	934	211	954	196	962	279	924	403	869	463	824	421	863	4228	883	
17	568	801	457	817	419	815	356	812	355	866	270	916	234	936	230	945	327	900	463	837	454	788	540	830	4673	854	
16	632	757	531	778	473	781	433	780	427	836	305	895	346	916	301	925	379	872	507	800	551	752	595	789	5480	822	
15	706	709	604	733	534	743	504	742	515	801	412	870	380	887	418	899	473	839	582	760	663	709	650	742	6441	785	
14	699	654	655	682	575	700	521	697	501	758	449	837	430	856	472	862	555	798	588	714	619	656	667	692	6731	741	
13	810	601	697	626	673	653	600	651	648	716	592	801	529	820	536	821	601	750	702	667	702	608	812	640	7902	694	
12	989	538	851	567	804	599	730	598	755	663	825	753	726	776	737	774	811	698	940	612	934	552	1084	577	10186	640	
11	866	462	767	494	799	534	651	533	744	600	771	686	776	715	766	710	747	627	881	537	821	478	869	493	9458	571	
10	906	396	797	429	796	469	708	476	793	538	870	624	847	650	886	643	832	563	851	467	858	414	904	426	10048	506	
9	849	326	724	361	813	405	729	413	782	472	901	554	948	579	1014	566	833	491	871	399	895	346	883	356	10242	437	
8	794	261	697	299	812	339	699	348	727	407	938	481	983	500	1014	478	864	419	846	330	818	275	847	287	10039	367	
7	644	199	630	240	710	273	606	287	698	347	878	406	875	418	861	390	814	344	718	263	639	211	709	222	8782	298	
6	573	150	588	187	712	216	638	233	714	289	826	335	947	344	918	315	844	273	665	206	605	161	625	167	8655	238	
5	502	106	534	137	653	158	630	176	849	229	976	268	964	265	880	235	853	200	657	153	578	113	601	118	8677	179	
4	358	67	357	91	444	105	450	121	580	159	716	189	687	185	604	158	540	126	431	101	302	67	333	72	5802	119	
3	239	40	279	61	344	70	335	81	4																		

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 2000010918 1998022509 2001032023 2001042101 2001051914 2000061400 2001073013 1999081803 1999092514 1998102513 1999112303 2001121116 2001121116  
 (\* < 0.05% , # = 100.0%)

STATION: SGNW3

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: (10/1983 - 12/2001) (145740 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	
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	#
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	1	#
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	1	999
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	-	1	999
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	1	999
50	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	-	-	-	-	1	999	-	-	-	2	999
49	1	#	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	2	999	3	999	7	999	
48	-	-	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	5	999	7	999	
47	-	-	2	#	2	999	2	999	1	#	-	-	-	-	-	-	-	-	-	-	1	999	2	999	10	999	
46	2	999	-	-	1	999	3	999	-	-	1	#	-	-	-	-	-	-	-	-	-	-	-	2	999	9	999
45	2	999	-	-	3	999	6	999	-	-	-	-	-	-	-	-	-	-	1	#	3	999	1	999	16	999	
44	4	999	2	999	6	999	4	999	1	999	-	-	-	-	-	1	#	-	-	-	5	999	4	999	27	999	
43	1	999	7	999	4	999	6	999	-	-	1	999	-	-	-	-	-	-	-	-	6	999	6	999	31	999	
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41	5	999	4	999	7	998	10	997	4	999	-	-	-	-	-	1	999	-	-	-	11	998	4	998	46	999	
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38	12	998	7	996	14	996	9	994	2	999	2	999	-	-	-	5	999	5	999	24	994	8	997	88	998		
37	9	997	7	996	14	995	19	993	7	999	4	999	-	-	-	5	999	3	999	31	992	10	996	109	997		
36	18	996	14	995	10	994	23	991	12	998	5	999	-	-	-	5	999	13	999	29	990	15	995	144	996		
35	25	995	20	994	29	993	17	989	10	997	18	999	-	-	-	6	998	13	998	39	988	14	994	191	995		
34	28	993	14	992	36	991	43	988	10	997	10	997	-	-	-	7	998	17	997	39	985	29	993	233	994		
33	46	990	35	991	40	988	52	984	17	996	11	997	3	999	1	999	21	997	25	995	66	982	48	991	365	992	
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31	65	983	55	984	55	981	54	974	28	992	23	994	4	999	3	999	14	994	57	991	66	971	54	982	478	987	
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29	110	972	81	975	82	971	93	964	57	987	24	991	15	999	10	999	34	991	69	979	122	957	95	973	792	980	
28	140	964	104	968	101	964	104	955	59	982	32	989	17	997	9	998	37	988	118	974	145	947	127	965	993	974	
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26	214	941	164	950	189	947	155	937	123	971	64	983	39	994	35	995	57	982	153	956	233	924	187	945	1613	960	
25	222	925	217	936	186	931	144	923	109	961	64	978	57	991	42	992	97	977	148	944	211	906	190	931	1687	949	
24	253	907	205	917	220	916	198	910	153	952	74	973	80	986	53	989	108	968	210	932	255	889	220	916	2029	937	
23	355	888	288	900	280	899	212	892	203	939	115	967	89	979	71	984	152	959	270	916	299	869	252	899	2586	923	
22	379	860	297	875	320	876	256	874	226	922	161	958	120	972	104	978	156	946	233	894	324	846	331	879	2907	906	
21	490	831	352	850	346	850	313	851	267	903	195	945	161	962	140	969	225	932	326	876	394	820	420	853	3629	886	
20	467	793	378	820	341	822	265	823	285	881	220	929	168	948	168	957	273	913	329	850	412	789	436	821	3742	861	
19	629	757	536	787	492	794	383	800	381	857	277	911	271	934	270	942	386	889	515	824	536	756	555	787	5231	835	
18	585	709	500	742	444	754	388	766	403	826	290	889	298	912	270	918	358	856	490	783	528	714	533	744	5087	799	
17	575	663	544	699	443	718	422	731	413	792	301	865	323	887	325	895	387	825	503	744	500	672	549	702	5285	764	
16	678	619	577	653	552	683	506	694	506	758	435	841	415	860	445	866	461	791	567	704	589	633	655	660	6386	728	
15	702	567	610	603	547	638	521	649	509	716	492	806	468	825	525	828	548	751	634	659	674	586	755	609	6985	684	
14	703	512	604	551	566	594	524	603	578	673	576	766	508	786	541	782	551	703	653	608	671	533	731	550	7206	636	
13	728	458	661	500	686	548	570	556	605	625	646	719	609	743	576	735	702	656	751	556	686	480	751	493	7971	587	
12	859	402	787	443	787	492	669	506	770	575	804	667	834	692	848	685	770	595	886	497	838	426	924	435	9776	532	
11	726	335	609	376	665	428	658	446	702	511	797	602	766	622	821	611	727	528	744	426	720	360	705	363	8640	465	
10	662	279	588	324	666	375	593	388	652	453	791	538	801	558	841	539	719	465	736	367	730	303	707	303	8048	406	
9	630	228	578	274	653	321	637	335	627	398	803	474	799	491	870	466	712	403	717	308	640	245	682	253	8348	348	
8	543	179	576	225	677	268	561	279	697	346	848	409	880	424	844	390	814	341	647	251	574	195	594	200	8255	290	
7	450	138	468	176	567	213	509	229	563	288	706	340	763	351	733</												

1	46	7	67	13	88	14	104	20	142	28	171	30	167	34	117	25	103	18	93	15	49	10	60	9	1207	18
0	42	3	80	7	86	7	122	11	200	17	205	17	234	20	169	15	109	9	100	8	73	6	58	5	1478	10
MEAN	14.9		14.2		13.7		13.5		12.0		10.6		10.2		10.4		11.7		13.3		14.9		14.4		12.9	
S.D.	6.9		7.1		7.4		7.7		6.8		6.2		5.6		5.4		6.1		6.8		7.5		6.9		6.9	
TOTAL	12943		11723		12346		11274		12021		12366		11947		11475		11533		12578		12666		12868		145740	
MAX	49.2		47.0		48.0		48.8		47.0		45.5		49.6		40.0		43.5		44.5		67.1		50.7		67.1	
DATE	1999010215	1984022813	1998030916	1993040112	1993053121	2001061204	1999070903	1984083005	1989092301	2001102519	1998111023	1990120318	1998111023	1990120318	1998111023	1990120318	1998111023	1990120318	1998111023	1990120318	1998111023	1990120318	1998111023	1990120318	1998111023	1990120318
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	1998010615	1998022509	2001032023	1998042823	2001051914	2000061400	2001073013	1997082609	1997092703	1997102302	1999112300	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700	2001120700

(\* < 0.05% , # = 100.0%)

STATION: SGNW3

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

(HIGHEST 5-SECOND AVERAGE DURING PAST HOUR)

ELEMENT: HOURLY PEAK WIND GUST (KNOTS) -- POR: (1/1996 - 12/2001) (45722 RECORDS, 16.0% 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	
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	-	-	1	#	
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	999	-	-	1	999
58	-	-	-	-	-	-	-	-	-	1	#	1	#	-	-	-	-	-	-	-	-	-	-	-	-	2	999
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	1	999
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	1	999
55	-	-	-	-	1	#	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	1	998	-	-	3	999
54	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	999
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	999
52	-	-	-	-	2	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	3	999
51	2	#	1	#	-	-	2	999	1	#	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	999
50	2	999	-	-	1	999	2	999	-	-	1	999	-	-	-	-	-	-	-	-	-	2	998	-	-	8	999
49	1	999	-	-	2	998	3	999	1	999	-	-	-	-	-	-	-	-	-	-	-	2	997	-	-	9	999
48	2	999	-	-	1	998	3	998	-	-	-	-	-	-	1	#	-	-	-	-	-	2	997	-	-	9	999
47	3	998	-	-	2	997	7	997	3	999	1	999	1	999	-	-	-	-	-	-	-	3	996	3	999	23	999
46	3	998	2	999	1	997	3	995	-	-	1	999	-	-	-	-	-	-	-	1	#	1	996	-	-	12	998
45	3	997	4	999	3	997	16	994	2	998	-	-	-	-	-	-	-	-	3	999	2	995	1	999	34	998	
44	5	996	3	998	3	996	7	989	-	-	2	999	-	-	1	999	1	#	2	999	-	-	1	999	25	997	
43	3	995	2	997	3	995	7	987	2	998	-	-	2	999	-	-	-	-	1	999	6	995	2	999	28	997	
42	5	994	2	997	5	994	8	985	2	997	1	998	-	-	-	-	2	999	2	998	1	993	4	998	32	996	
41	6	993	2	996	4	993	8	983	-	-	2	998	-	-	-	-	2	999	3	998	2	993	2	997	31	996	
40	17	992	6	996	10	992	7	981	3	996	3	998	-	-	1	999	3	999	10	997	5	993	6	997	71	995	
39	5	988	6	994	8	989	14	979	2	995	2	997	2	999	-	-	2	998	6	995	12	992	-	-	59	993	
38	9	987	5	992	15	987	14	975	3	995	2	996	1	998	-	-	6	997	7	994	9	989	6	995	77	992	
37	14	985	9	991	11	982	21	971	2	994	3	996	1	998	2	999	8	996	10	992	19	987	6	994	106	990	
36	28	982	15	989	19	979	17	964	9	993	10	995	5	998	-	-	14	994	15	990	22	982	11	993	165	988	
35	32	975	17	985	14	974	22	960	9	990	14	992	1	997	-	-	7	990	22	986	23	977	20	990	181	984	
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33	39	962	29	977	35	965	30	947	14	983	10	986	8	995	2	998	16	986	33	975	38	967	30	981	284	977	
32	41	953	26	969	36	955	23	938	16	979	14	984	3	993	4	998	11	982	40	968	29	958	45	974	288	970	
31	50	943	46	962	41	945	23	931	15	973	13	980	2	992	5	997	13	979	43	959	38	951	31	964	320	964	
30	52	932	39	950	44	934	49	925	23	968	14	977	9	992	6	995	27	975	52	949	52	942	61	957	428	957	
29	80	920	58	939	64	921	52	910	25	960	15	973	15	989	12	993	36	968	59	937	55	930	62	943	533	948	
28	73	901	60	924	70	903	49	895	36	952	21	969	24	985	7	990	31	959	75	924	67	917	64	929	577	936	
27	93	885	48	907	71	884	54	881	33	940	27	963	32	979	15	988	55	950	64	907	64	901	70	915	626	923	
26	143	863	97	894	109	864	78	866	71	929	35	956	50	970	21	983	60	936	100	892	115	886	100	899	979	910	
25	143	830	90	868	88	834	88	843	55	905	42	947	52	957	23	977	69	920	98	870	116	859	102	876	966	888	
24	129	797	94	844	93	809	88	818	65	886	59	936	48	943	40	970	68	901	110	847	132	832	135	853	1061	867	
23	144	767	157	819	118	783	85	792	75	864	62	921	53	931	56	958	111	883	133	822	141	801	161	823	1296	844	
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21	178	694	167	735	123	714	103	742	108	803	108	885	106	896	81	921	118	824	184	758	162	735	179	750	1617	785	
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19	235	611	194	648	179	647	130	685	169	729	159	831	153	845	135	868	181	762	273	678	223	661	266	663	2297	715	
18	208	556	193	596	145	597	149	648	160	671	189	789	105	804	168	827	134	714	164	616	181	609	229	602	2025	664	
17	174	509	158	544	137	557	157	605	172	617	154	739	124	776	142	776	153	678	199	578	229						



9	149	136	129	162	158	170	171	232	123	196	221	299	221	315	230	311	224	252	172	188	169	151	169	134	2136	209
8	131	101	123	127	120	126	155	183	119	154	202	241	228	256	219	242	211	192	166	149	143	111	125	96	1942	162
7	86	71	90	94	86	93	123	138	89	114	165	188	219	195	149	175	148	136	122	111	96	78	94	68	1467	119
6	70	51	95	70	91	69	125	102	89	84	186	145	173	137	140	130	136	96	131	83	89	55	73	47	1398	87
5	84	35	85	44	91	43	116	66	81	54	199	96	152	91	141	88	126	60	123	54	75	34	67	30	1340	57
4	30	16	55	21	38	18	68	33	43	26	98	43	97	51	87	45	57	26	69	26	40	17	30	15	712	27
3	15	9	18	6	20	7	34	13	29	12	45	18	48	25	35	19	27	11	30	10	17	8	16	8	334	12
2	1	6	5	2	5	1	9	3	5	2	18	6	29	12	6	8	10	3	11	3	8	4	14	5	121	5
1	-	-	1	*	-	-	2	1	1	*	3	1	8	4	4	6	1	1	3	1	5	2	5	1	33	2
0	23	5	-	-	-	-	-	-	-	-	1	*	8	2	17	5	2	1	-	-	2	*	1	*	54	1
MEAN	17.9		17.0		17.3		16.6		15.8		13.6		13.0		12.9		14.8		16.6		17.2		17.1		15.9	
S.D.	7.9		7.5		8.2		9.0		7.1		6.8		6.3		5.8		7.0		7.6		7.9		7.0		7.6	
TOTAL	4338		3705		3574		3462		2955		3804		3758		3302		3741		4404		4261		4418		45722	
MAX	51.3		50.9		55.0		54.8		50.5		58.1		57.7		48.2		44.3		46.1		69.0		51.7		69.0	
DATE	1999010221	1999021202	1998030914	2001041202	2001050103	1998061902	1999070903	2001081302	1996092620	2001102518	1998111101	2001120602	1998111101													
MIN	0.0		1.4		1.6		0.6		1.4		0.0		0.0		0.0		0.0		0.6		0.2		0.2		0.0	
DATE	2000011817	1998021019	1997030715	1997042004	1999052308	1996062005	1997072008	1997082412	1997090703	1997102302	1999112303	1999121304	2000011817													

(\* < 0.05% , # = 100.0%)

ELEMENT SUMMARY FOR STATION: SGNW3

(A) TOTAL STDMET RECORDS READ = 148721  
 (B) TOTAL CWIND RECORDS READ = 285622  
 (C) TOTAL RECORDS USED IN STATS = 434343

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	146342	49966	49917	69054	143115	145993	145740	45722	0	0	0	0
(E) ELEMENT OUT OF RANGE	2379	98755	98804	79667	5606	2728	2981	239900	148721	148721	148721	148721

STATION: SGNW3 -- POR (10/1983 - 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
1983	MEAN	-	-	-	-	-	-	-	-	-	7.2	4.5	-8.3	-1.0
	MAXIMUM	-	-	-	-	-	-	-	-	-	13.4	14.9	2.7	14.9
	DAY-HR	-	-	-	-	-	-	-	-	-	28-22	02-19	14-01	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	3.5	-8.0	-29.3	-29.3
	DAY-HR	-	-	-	-	-	-	-	-	-	29-12	30-14	24-11	DEC
	# OBS	-	-	-	-	-	-	-	-	-	73	714	616	1403
1984	MEAN	-7.6	-1.1	-3.0	4.4	9.1	15.2	18.7	20.6	14.0	10.0	2.9	-1.9	6.8
	MAXIMUM	3.5	9.6	3.5	16.7	23.3	29.0	29.8	28.5	23.8	17.8	13.8	16.5	29.8
	DAY-HR	06-05	23-19	30-20	28-04	18-19	12-23	23-17	15-21	13-09	28-04	08-20	29-02	JUL
	MINIMUM	-26.7	-14.8	-15.4	0.4	2.8	7.8	10.6	12.9	2.7	1.5	-5.6	-19.0	-26.7
	DAY-HR	21-09	07-12	11-15	01-08	02-10	02-12	07-10	25-11	29-10	24-11	20-13	25-12	JAN
	# OBS	740	690	738	719	731	717	741	743	716	742	717	740	8734
1985	MEAN	-8.6	-6.1	2.0	5.9	11.3	14.1	19.0	18.7	15.7	9.1	2.0	-9.1	6.3
	MAXIMUM	1.8	7.5	14.9	24.2	26.3	28.9	28.9	28.1	28.7	17.4	13.4	3.1	28.9
	DAY-HR	14-11	28-22	27-17	18-19	25-19	09-06	21-22	06-21	06-18	27-03	19-12	10-03	JUL
	MINIMUM	-30.9	-23.6	-6.8	-3.4	5.1	7.3	13.1	11.0	4.4	2.4	-12.9	-22.2	-30.9
	DAY-HR	20-14	01-13	05-14	09-12	01-18	12-12	30-12	19-11	25-07	16-13	24-11	18-10	JAN
	# OBS	697	669	732	716	740	716	741	743	717	740	718	742	8671
1986	MEAN	-5.7	-5.1	1.0	6.1	9.4	14.4	18.8	18.1	15.5	10.2	1.4	-2.5	7.1
	MAXIMUM	6.0	2.2	22.7	20.0	26.4	26.4	33.1	25.9	24.2	19.9	14.1	2.6	33.1
	DAY-HR	17-02	18-22	28-23	29-20	06-22	23-20	18-22	15-20	22-21	22-20	01-03	15-21	JUL
	MINIMUM	-19.9	-17.5	-15.8	-2.4	1.8	8.2	11.8	7.6	6.8	1.9	-14.7	-17.8	-19.9
	DAY-HR	27-14	10-14	07-15	22-10	03-11	05-08	09-12	28-11	07-11	15-12	13-13	13-13	JAN
	# OBS	742	667	740	718	635	628	738	738	717	727	635	496	8181
1987	MEAN	-3.7	0.1	1.8	6.1	11.4	18.5	20.2	19.7	16.1	7.7	5.0	-0.2	8.7
	MAXIMUM	4.3	6.9	21.1	17.2	26.5	32.8	31.4	28.9	23.2	20.7	20.3	8.9	32.8
	DAY-HR	14-01	08-04	07-22	29-14	10-00	14-18	20-00	02-18	23-22	01-22	03-23	09-15	JUN
	MINIMUM	-22.7	-8.7	-8.1	-3.8	5.0	9.4	12.2	11.6	9.5	-0.2	-8.4	-8.2	-22.7
	DAY-HR	24-14	15-18	10-13	03-12	03-16	09-05	14-11	24-10	25-10	11-12	21-10	18-11	JAN
	# OBS	705	634	718	719	737	714	738	744	681	742	715	742	8589
1988	MEAN	-8.0	-6.9	0.5	5.4	11.3	17.7	15.3	-	-	-	-	-	3.8
	MAXIMUM	8.1	7.6	13.9	18.0	28.0	32.5	18.9	-	-	-	-	-	32.5
	DAY-HR	31-11	26-22	25-21	17-20	31-15	25-17	03-03	-	-	-	-	-	JUN
	MINIMUM	-23.8	-20.8	-9.0	-1.5	4.6	8.0	11.5	-	-	-	-	-	-23.8
	DAY-HR	05-14	06-13	20-12	15-11	25-09	08-21	01-10	-	-	-	-	-	JAN
	# OBS	610	692	741	718	743	694	49	-	-	-	-	-	4247
1989	MEAN	-0.3	-8.2	-2.1	3.6	9.2	14.4	19.7	20.2	15.4	9.2	1.2	-9.2	6.2
	MAXIMUM	11.8	8.7	17.0	13.4	23.1	26.4	29.0	31.1	22.7	18.8	17.0	4.0	31.1

	DAY-HR	24-16	01-00	28-20	17-00	21-19	07-19	10-05	04-22	08-20	14-16	13-19	02-06	AUG
	MINIMUM	-16.9	-21.4	-15.7	-6.5	-0.7	7.7	14.3	11.9	3.1	-0.2	-12.4	-27.2	-27.2
	DAY-HR	09-13	05-13	02-13	09-13	06-13	05-10	29-10	07-12	23-12	18-13	29-13	21-14	DEC
	# OBS	740	669	721	715	730	703	732	739	718	742	715	739	8663
1990	MEAN	-0.2	-2.8	1.2	5.1	8.7	15.1	18.2	19.0	16.9	9.7	5.3	-3.0	7.9
	MAXIMUM	14.3	9.0	22.3	25.6	24.4	29.1	32.9	32.3	31.0	25.5	21.6	8.9	32.9
	DAY-HR	17-17	13-07	12-22	25-16	08-21	30-20	04-21	27-22	04-23	05-22	02-20	09-19	JUL
	MINIMUM	-11.4	-17.1	-8.1	-4.6	1.1	4.3	11.8	11.7	5.2	1.5	-5.3	-23.1	-23.1
	DAY-HR	13-14	25-13	19-12	07-12	10-15	04-11	01-22	06-11	23-12	11-12	29-13	26-13	DEC
	# OBS	742	671	738	706	736	712	737	744	718	716	711	696	8627
1991	MEAN	-7.4	-2.3	1.1	6.9	12.1	17.5	20.4	21.1	17.3	12.0	0.7	-1.5	8.2
	MAXIMUM	4.6	9.7	17.5	28.0	29.3	28.7	31.1	28.7	31.1	26.0	12.2	13.6	31.1
	DAY-HR	19-21	08-22	27-09	06-22	13-23	28-18	22-21	01-00	09-23	24-16	30-10	12-23	SEP
	MINIMUM	-21.1	-15.4	-9.4	0.0	3.3	10.8	13.7	14.1	4.9	0.5	-13.8	-14.3	-21.1
	DAY-HR	25-13	16-08	03-07	10-05	03-20	04-15	25-11	05-11	27-10	19-14	07-13	05-06	JAN
	# OBS	737	669	741	715	744	718	743	738	717	743	719	741	8725
1992	MEAN	-2.8	-1.3	0.8	3.7	10.8	14.5	17.5	17.6	14.0	8.9	2.5	-2.1	7.1
	MAXIMUM	4.8	8.5	11.8	10.7	34.7	28.1	28.5	29.6	24.0	27.0	11.5	6.3	34.7
	DAY-HR	12-08	02-19	08-22	07-10	01-21	12-17	08-22	10-20	17-07	02-21	21-13	16-06	MAY
	MINIMUM	-21.8	-13.7	-11.8	-4.2	1.1	5.6	11.9	11.2	4.2	-2.8	-5.4	-17.3	-21.8
	DAY-HR	16-07	09-13	11-11	02-10	05-11	21-10	21-11	26-10	29-11	19-12	27-12	24-14	JAN
	# OBS	741	686	697	665	701	718	741	742	668	740	714	740	8553
1993	MEAN	-4.0	-5.0	0.1	4.2	9.5	14.0	19.4	21.0	13.4	8.2	2.3	-2.3	6.8
	MAXIMUM	8.6	6.5	8.3	19.9	22.9	27.3	28.9	31.2	25.2	20.5	15.6	6.2	31.2
	DAY-HR	31-21	04-21	29-04	24-20	14-22	26-23	26-23	26-23	02-23	23-21	13-19	10-04	AUG
	MINIMUM	-14.9	-19.6	-15.1	-4.9	4.2	6.4	13.8	12.3	2.6	-1.6	-6.6	-20.5	-20.5
	DAY-HR	01-14	18-13	14-13	02-11	01-16	01-10	01-04	04-11	30-11	30-13	07-13	26-14	DEC
	# OBS	735	671	734	714	740	716	742	744	718	743	694	743	8694
1994	MEAN	-10.9	-7.4	0.5	6.0	11.1	17.9	21.0	20.3	19.9	14.0	9.2	0.2	8.6
	MAXIMUM	2.6	7.2	15.5	27.4	26.4	32.1	30.3	32.0	32.5	24.3	17.7	11.4	32.5
	DAY-HR	01-12	20-01	23-00	26-22	22-16	21-00	01-22	24-23	13-20	08-02	14-14	03-21	SEP
	MINIMUM	-29.5	-22.2	-9.8	-4.9	1.6	8.2	14.6	12.4	10.9	4.3	-6.1	-11.6	-29.5
	DAY-HR	18-14	01-12	02-13	06-12	01-00	01-20	13-19	05-11	29-12	27-11	30-13	11-14	JAN
	# OBS	722	656	744	716	736	719	725	742	714	735	714	738	8661
1995	MEAN	-4.8	-5.4	0.3	3.7	10.7	18.1	20.4	24.0	16.2	11.6	8.7	-6.0	8.4
	MAXIMUM	5.1	7.1	10.6	16.3	23.5	31.8	36.8	35.4	27.7	26.2	17.2	4.6	36.8
	DAY-HR	12-20	19-03	14-01	03-23	15-21	20-01	14-23	15-01	13-23	12-17	02-06	05-11	JUL
	MINIMUM	-20.3	-21.9	-16.8	-10.2	3.8	7.2	11.8	16.1	4.1	3.1	1.7	-21.4	-21.9
	DAY-HR	04-14	11-16	02-13	04-15	01-15	08-10	08-11	01-12	23-12	21-15	03-08	09-12	FEB
	# OBS	736	648	734	712	741	711	736	737	714	739	166	642	8016
1996	MEAN	-7.1	-9.2	-	-	8.1	14.1	17.6	19.6	16.3	9.5	-0.4	-3.3	7.6
	MAXIMUM	6.3	7.4	-	-	30.0	32.9	28.5	29.5	24.8	23.1	11.6	5.2	32.9
	DAY-HR	18-21	10-18	-	-	18-22	29-23	17-00	07-21	30-22	13-22	07-04	15-09	JUN
	MINIMUM	-26.9	-31.2	-	-	1.9	6.6	11.9	13.5	8.4	-2.8	-10.6	-19.3	-31.2
	DAY-HR	31-14	03-13	-	-	12-10	06-23	10-11	26-22	25-12	31-10	26-13	25-16	FEB
	# OBS	677	404	-	-	714	715	833	789	716	733	693	738	7012
1997	MEAN	-7.3	-3.1	-0.2	3.7	7.9	15.1	18.2	18.5	16.4	9.4	1.7	-0.3	6.7
	MAXIMUM	6.6	9.7	12.5	21.3	20.8	26.4	31.4	29.9	26.6	28.9	10.9	8.8	31.4
	DAY-HR	22-13	18-22	27-00	30-00	05-21	25-20	16-21	02-23	18-21	05-21	25-20	15-21	JUL
	MINIMUM	-23.0	-13.3	-14.3	-8.1	1.8	8.5	10.7	12.8	7.7	-1.8	-9.4	-11.3	-23.0
	DAY-HR	17-14	24-13	16-13	08-16	13-12	03-15	09-12	22-11	21-12	22-13	24-13	31-14	JAN
	# OBS	737	655	738	710	345	714	732	737	715	734	702	739	8258
1998	MEAN	-2.9	1.1	0.7	6.4	13.2	16.5	20.6	21.3	18.7	11.8	5.5	0.0	8.9
	MAXIMUM	11.6	7.1	21.1	16.4	30.3	29.8	29.4	27.5	29.4	19.2	16.5	17.5	30.3
	DAY-HR	03-17	26-23	27-01	11-21	20-00	26-01	28-23	29-21	06-19	17-15	30-12	03-21	MAY
	MINIMUM	-21.0	-5.9	-13.1	1.8	5.9	7.7	14.6	16.2	10.1	1.2	-2.7	-19.9	-21.0
	DAY-HR	13-14	09-13	11-12	06-08	03-11	06-11	24-11	01-11	23-12	22-12	21-14	30-14	JAN
	# OBS	719	669	712	691	714	691	739	323	715	735	718	739	8165
1999	MEAN	-6.7	-0.5	0.9	6.0	11.4	16.3	21.6	19.8	15.9	9.9	6.7	-1.7	8.4
	MAXIMUM	5.6	10.1	15.2	20.4	27.5	27.9	33.7	28.8	25.8	19.3	22.7	10.9	33.7
	DAY-HR	16-22	12-01	17-19	08-00	29-17	08-00	29-23	01-00	05-23	08-19	09-21	04-06	JUL
	MINIMUM	-22.5	-10.2	-10.5	2.0	5.7	7.9	13.3	13.5	5.1	-1.1	-3.8	-18.9	-22.5
	DAY-HR	05-13	13-04	07-12	18-11	09-10	01-15	10-10	14-11	21-12	24-11	30-14	21-14	JAN
	# OBS	741	659	720	719	743	720	738	737	715	740	717	740	8689
2000	MEAN	-4.9	-1.0	3.8	5.1	10.9	15.2	-	-	12.0	11.3	3.0	-7.9	3.2
	MAXIMUM	6.7	10.0	23.2	13.2	24.7	30.3	-	-	20.1	24.6	15.6	2.8	30.3
	DAY-HR	02-19	27-01	07-23	28-13	23-23	10-22	-	-	26-22	20-21	02-19	16-14	JUN
	MINIMUM	-20.5	-14.2	-5.1	-2.5	5.5	9.1	-	-	5.9	0.9	-9.7	-19.7	-20.5
	DAY-HR	21-14	12-12	17-12	08-13	20-09	03-10	-	-	24-12	08-00	21-13	22-08	JAN
	# OBS	741	693	741	714	441	380	-	-	172	725	703	727	6037
2001	MEAN	-3.5	-4.9	-0.6	6.2	9.9	15.8	20.1	21.4	15.2	9.8	7.7	0.4	8.3
	MAXIMUM	3.8	8.0	5.6	24.4	23.7	28.3	30.7	32.5	26.6	21.5	19.6	16.1	32.5

	DAY-HR	30-07	25-12	23-04	26-23	10-22	30-21	10-00	08-22	03-19	03-19	15-21	06-02	AUG
	MINIMUM	-12.8	-16.0	-9.8	-0.8	4.9	7.0	9.8	15.1	4.8	0.8	-1.0	-13.4	-16.0
	DAY-HR	20-13	02-12	05-12	16-17	11-17	04-20	02-09	16-10	25-12	07-12	20-12	31-14	FEB
	# OBS	726	638	671	662	630	691	744	741	715	742	714	743	8417
POR	MEAN	-5.3	-3.7	0.5	5.2	10.4	15.8	19.4	20.0	16.0	10.1	3.7	-3.2	7.2
	MAXIMUM	14.3	10.1	23.2	28.0	34.7	32.9	36.8	35.4	32.5	28.9	22.7	17.5	36.8
	YEAR	1990	1999	2000	1991	1992	1996	1995	1995	1994	1997	1999	1998	JUL/1995
	MINIMUM	-30.9	-31.2	-16.8	-10.2	-0.7	4.3	9.8	7.6	2.6	-2.8	-14.7	-29.3	-31.2
	YEAR	1985	1996	1995	1995	1989	1990	2001	1986	1993	1996	1986	1983	FEB/1996
	# OBS	12988	11740	12360	12029	12301	12377	11949	11481	11546	12591	12179	12801	146342

STATION: SGNW3 -- POR (11/1985 - 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
1985	MEAN	-	-	-	-	-	-	-	-	-	-	6.1	0.5	3.4
	MAXIMUM	-	-	-	-	-	-	-	-	-	-	10.9	3.4	10.9
	DAY-HR	-	-	-	-	-	-	-	-	-	-	01-22	08-02	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	-	0.7	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	-	-	29-10	31-23	DEC
	# OBS	-	-	-	-	-	-	-	-	-	-	716	692	1408
1986	MEAN	0.3	0.0	0.4	8.4	10.8	13.9	16.1	16.3	14.6	11.5	5.5	0.9	9.2
	MAXIMUM	2.3	0.5	1.9	13.4	13.9	19.3	22.7	21.1	20.0	16.9	11.3	2.4	22.7
	DAY-HR	24-13	26-11	05-21	28-00	24-07	30-23	23-04	21-05	28-17	01-02	01-03	29-02	JUL
	MINIMUM	0.0	0.0	0.0	5.8	7.3	7.9	8.4	8.2	8.3	8.3	1.7	0.0	0.0
	DAY-HR	31-23	28-23	01-18	25-11	02-19	29-23	05-16	17-17	05-22	17-18	19-16	14-04	DEC
	# OBS	722	590	147	516	636	629	734	738	715	727	635	503	7292
1987	MEAN	1.0	0.8	3.1	8.1	11.6	14.8	16.4	18.9	16.6	10.5	6.1	2.1	9.3
	MAXIMUM	5.9	3.2	7.8	15.6	18.7	21.4	24.0	23.8	19.4	17.1	10.2	6.2	24.0
	DAY-HR	16-05	01-06	27-17	20-02	30-06	24-21	08-22	04-05	07-06	02-01	04-10	07-11	JUL
	MINIMUM	0.0	0.0	0.3	2.7	7.5	7.6	8.5	11.0	12.3	7.1	1.5	0.0	0.0
	DAY-HR	29-07	20-20	03-15	03-14	18-18	08-14	24-17	22-15	18-04	25-14	20-05	30-05	DEC
	# OBS	689	626	717	719	739	714	743	743	681	743	714	736	8564
1988	MEAN	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
	MAXIMUM	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
	DAY-HR	01-04	-	-	-	-	-	-	-	-	-	-	-	JAN
	MINIMUM	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
	DAY-HR	01-04	-	-	-	-	-	-	-	-	-	-	-	JAN
	# OBS	4	-	-	-	-	-	-	-	-	-	-	-	4
1992	MEAN	-	-	-	-	-	-	-	-	10.0	9.3	5.8	2.0	5.9
	MAXIMUM	-	-	-	-	-	-	-	-	11.9	12.8	9.4	5.9	12.8
	DAY-HR	-	-	-	-	-	-	-	-	26-07	02-21	03-03	15-05	OCT
	MINIMUM	-	-	-	-	-	-	-	-	8.5	7.4	2.9	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	26-16	20-17	29-01	27-04	DEC
	# OBS	-	-	-	-	-	-	-	-	131	739	715	737	2322
1993	MEAN	0.5	0.4	-	-	-	-	-	-	-	-	4.9	2.9	2.1
	MAXIMUM	1.9	3.0	-	-	-	-	-	-	-	-	7.5	6.0	7.5
	DAY-HR	17-03	28-13	-	-	-	-	-	-	-	-	05-03	18-05	NOV
	MINIMUM	0.0	0.0	-	-	-	-	-	-	-	-	2.4	0.4	0.0
	DAY-HR	30-19	27-09	-	-	-	-	-	-	-	-	30-20	26-06	FEB
	# OBS	734	671	-	-	-	-	-	-	-	-	624	608	2637
1994	MEAN	0.4	-	1.5	7.3	11.3	12.5	-	14.8	17.6	13.6	10.8	3.1	10.8
	MAXIMUM	1.2	-	6.0	12.8	15.6	16.1	-	20.4	22.8	19.8	14.3	3.6	22.8
	DAY-HR	01-08	-	27-03	27-06	20-01	09-07	-	26-23	15-00	07-00	20-23	01-16	SEP
	MINIMUM	0.0	-	0.0	2.9	7.1	9.1	-	9.9	11.7	8.8	8.2	2.9	0.0
	DAY-HR	02-13	-	08-09	07-14	01-14	07-18	-	31-18	01-08	27-14	26-13	01-10	MAR
	# OBS	50	-	589	716	735	267	-	151	714	735	701	15	4673
1995	MEAN	-	-	-	6.3	11.0	14.3	14.4	18.4	-	-	-	-	11.7
	MAXIMUM	-	-	-	9.7	14.9	21.8	21.8	18.5	-	-	-	-	21.8
	DAY-HR	-	-	-	26-17	31-10	25-11	01-01	01-01	-	-	-	-	JUL
	MINIMUM	-	-	-	2.8	8.1	9.4	8.5	18.2	-	-	-	-	2.8
	DAY-HR	-	-	-	11-05	05-21	07-23	14-17	01-00	-	-	-	-	APR
	# OBS	-	-	-	553	741	586	736	2	-	-	-	-	2618
1997	MEAN	-	-	-	-	10.1	12.6	-	-	-	8.0	4.6	2.4	6.6
	MAXIMUM	-	-	-	-	12.5	21.9	-	-	-	12.6	8.6	5.2	21.9
	DAY-HR	-	-	-	-	30-11	23-23	-	-	-	10-05	01-11	03-14	JUN
	MINIMUM	-	-	-	-	7.5	7.9	-	-	-	4.6	2.2	0.0	0.0
	DAY-HR	-	-	-	-	31-14	17-02	-	-	-	28-16	24-20	31-21	DEC

	# OBS	-	-	-	-	57	546	-	-	-	673	701	739	2716	
1998	MEAN	0.5	1.8	3.0	8.0	-	-	-	-	18.8	18.2	12.6	7.4	4.2	7.6
	MAXIMUM	3.8	5.2	11.3	11.3	-	-	-	-	20.7	22.0	17.2	9.9	9.1	22.0
	DAY-HR	02-22	15-20	30-19	20-06	-	-	-	-	26-04	17-21	06-15	01-12	02-06	SEP
	MINIMUM	0.0	0.0	0.0	5.9	-	-	-	-	14.5	8.8	8.1	5.1	-0.1	-0.1
	DAY-HR	26-14	06-15	20-10	17-16	-	-	-	-	25-11	30-06	25-14	21-18	31-05	DEC
	# OBS	719	669	715	463	-	-	-	-	300	713	735	710	736	5760
1999	MEAN	0.0	-	-	-	-	-	-	-	-	9.1	7.8	2.7	5.1	
	MAXIMUM	1.3	-	-	-	-	-	-	-	-	12.1	10.3	7.5	12.1	
	DAY-HR	06-06	-	-	-	-	-	-	-	-	28-02	01-18	04-04	OCT	
	MINIMUM	-0.1	-	-	-	-	-	-	-	-	6.4	4.5	-0.2	-0.2	
	DAY-HR	11-19	-	-	-	-	-	-	-	-	25-13	30-16	27-21	DEC	
	# OBS	351	-	-	-	-	-	-	-	-	405	717	734	2207	
2000	MEAN	0.4	0.5	5.2	6.9	-	-	-	-	12.5	10.6	6.2	0.5	4.6	
	MAXIMUM	2.7	4.7	9.9	12.6	-	-	-	-	16.0	13.9	13.7	4.9	16.0	
	DAY-HR	02-19	29-09	09-05	26-08	-	-	-	-	29-22	26-21	02-04	04-08	SEP	
	MINIMUM	-0.4	-0.3	1.4	3.4	-	-	-	-	10.3	7.4	1.1	-0.1	-0.4	
	DAY-HR	18-22	04-19	01-11	08-15	-	-	-	-	24-14	10-14	24-15	31-23	JAN	
	# OBS	719	692	741	613	-	-	-	-	170	724	703	726	5088	
2001	MEAN	0.6	0.3	1.1	12.8	12.1	-	-	-	-	9.6	7.5	4.2	5.1	
	MAXIMUM	3.2	4.1	4.3	13.5	18.4	-	-	-	-	15.9	10.4	8.3	18.4	
	DAY-HR	11-09	04-03	24-00	30-23	18-02	-	-	-	-	04-20	02-00	05-20	MAY	
	MINIMUM	-0.1	-0.2	-0.1	12.3	7.5	-	-	-	-	5.6	5.9	-0.2	-0.2	
	DAY-HR	29-14	11-18	07-14	30-21	04-07	-	-	-	-	28-15	30-23	30-09	DEC	
	# OBS	723	634	587	7	624	-	-	-	-	655	713	734	4677	
POR	MEAN	0.5	0.6	2.8	7.5	11.3	13.8	15.6	17.6	16.2	10.6	6.6	2.3	7.4	
	MAXIMUM	5.9	5.2	11.3	15.6	18.7	21.9	24.0	23.8	22.8	19.8	14.3	9.1	24.0	
	YEAR	1987	1998	1998	1987	1987	1997	1987	1987	1994	1994	1994	1998	JUL/1987	
	MINIMUM	-0.4	-0.3	-0.1	2.7	7.1	7.6	8.4	8.2	8.3	4.6	0.7	-0.2	-0.4	
	YEAR	2000	2000	2001	1987	1994	1987	1986	1986	1986	1997	1985	2001	JAN/2000	
	# OBS	4711	3882	3496	3587	3532	2742	2213	1934	3124	6136	7649	6960	49966	

STATION: SGNW3 -- POR (2/1989 - 12/2001)

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

ELEMENT: DEW POINT TEMPERATURE (DEGREES C)

YEAR	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1989	MEAN	-	-14.0	-5.7	-0.4	4.4	-	17.5	16.2	9.1	4.5	-4.4	-14.6	0.3
	MAXIMUM	-	4.4	13.6	9.5	17.8	-	23.0	25.5	20.7	16.3	10.9	2.4	25.5
	DAY-HR	-	01-00	28-19	17-00	30-07	-	26-19	05-01	01-00	02-10	13-19	02-01	AUG
	MINIMUM	-	-27.0	-23.4	-16.0	-9.0	-	9.2	3.9	-6.0	-16.5	-17.7	-35.0	-35.0
	DAY-HR	-	04-15	01-16	09-19	06-18	-	29-01	07-17	23-23	04-20	18-15	21-17	DEC
	# OBS	-	668	715	713	646	-	293	737	631	714	705	701	6523
1990	MEAN	-4.3	-8.5	-9.1	-	-	-	-	-	-	-	-	-	-6.3
	MAXIMUM	12.9	5.7	-7.3	-	-	-	-	-	-	-	-	-	12.9
	DAY-HR	17-10	09-02	01-09	-	-	-	-	-	-	-	-	-	JAN
	MINIMUM	-20.9	-27.7	-13.1	-	-	-	-	-	-	-	-	-	-27.7
	DAY-HR	31-05	25-19	01-15	-	-	-	-	-	-	-	-	-	FEB
	# OBS	730	662	16	-	-	-	-	-	-	-	-	-	1408
1992	MEAN	-	-	-	-	-	-	-	-	6.7	4.0	-1.0	-5.1	-0.3
	MAXIMUM	-	-	-	-	-	-	-	-	14.2	14.6	9.9	6.2	14.6
	DAY-HR	-	-	-	-	-	-	-	-	27-03	23-23	21-13	16-06	OCT
	MINIMUM	-	-	-	-	-	-	-	-	-2.4	-11.9	-11.3	-22.5	-22.5
	DAY-HR	-	-	-	-	-	-	-	-	28-20	13-17	15-20	24-15	DEC
	# OBS	-	-	-	-	-	-	-	-	131	702	711	702	2246
1993	MEAN	-8.1	-10.9	-4.7	0.2	4.6	-	-	-	-	-	-2.1	-6.7	-5.3
	MAXIMUM	4.9	0.1	3.0	11.0	8.9	-	-	-	-	-	7.9	5.2	11.0
	DAY-HR	04-05	01-02	31-02	25-02	03-05	-	-	-	-	-	13-17	02-11	APR
	MINIMUM	-23.5	-26.8	-24.6	-11.5	1.5	-	-	-	-	-	-14.0	-26.3	-26.8
	DAY-HR	29-17	18-04	14-16	03-22	01-05	-	-	-	-	-	20-00	26-12	FEB
	# OBS	735	668	729	714	59	-	-	-	-	-	623	741	4269
1994	MEAN	-14.9	-11.4	-3.7	-0.4	5.7	13.9	18.6	18.3	16.7	9.9	5.5	-2.4	2.6
	MAXIMUM	-0.2	7.2	5.3	14.8	18.9	28.5	27.1	25.1	24.8	20.0	16.5	6.4	28.5
	DAY-HR	01-09	20-01	23-00	24-23	30-15	13-13	06-04	28-09	14-23	08-01	14-05	05-13	JUN
	MINIMUM	-34.9	-28.0	-16.6	-11.5	-6.1	-2.3	11.3	8.4	6.9	-2.1	-7.9	-15.4	-34.9
	DAY-HR	18-17	07-15	16-18	19-23	03-23	03-05	02-20	29-18	29-21	30-18	30-13	11-15	JAN
	# OBS	722	655	739	707	722	698	158	151	682	735	702	737	7408
1995	MEAN	-8.2	-10.2	-2.8	-0.3	6.2	14.8	17.2	21.8	12.0	8.0	4.1	-9.9	4.4

	MAXIMUM	5.1	1.0	8.8	9.8	15.2	23.0	27.4	26.5	23.3	16.5	16.1	2.8	27.4
	DAY-HR	12-20	20-14	15-19	19-00	17-07	29-22	14-11	07-19	05-20	01-02	02-07	14-10	JUL
	MINIMUM	-25.5	-32.4	-21.9	-20.7	-3.6	1.4	6.0	13.5	-4.1	-6.6	-4.6	-27.1	-32.4
	DAY-HR	04-16	11-13	02-17	04-15	18-20	13-02	02-00	23-11	22-22	16-19	03-08	11-14	FEB
	# OBS	722	647	723	701	721	694	653	649	698	716	153	631	7708
1996	MEAN	-10.2	-12.3	-	-	3.7	8.8	-	-	10.2	5.7	-5.4	-5.8	-2.0
	MAXIMUM	6.3	4.0	-	-	20.2	14.1	-	-	16.9	17.2	10.9	4.0	20.2
	DAY-HR	18-21	10-19	-	-	20-03	02-12	-	-	27-09	07-02	07-04	15-16	MAY
	MINIMUM	-31.2	-35.0	-	-	-7.0	4.0	-	-	-2.0	-14.2	-14.8	-24.0	-35.0
	DAY-HR	31-14	03-07	-	-	12-13	01-01	-	-	29-21	31-18	12-21	25-16	FEB
	# OBS	659	379	-	-	606	174	-	-	283	720	679	737	4237
1997	MEAN	-10.8	-6.7	-4.2	-1.7	3.1	11.0	14.6	14.9	12.3	5.0	-2.4	-4.2	2.7
	MAXIMUM	6.6	4.8	8.3	9.1	11.3	21.4	22.5	21.1	21.5	17.6	9.8	1.2	22.5
	DAY-HR	22-13	19-06	29-04	05-06	30-11	25-06	26-03	16-12	19-18	07-20	01-01	03-12	JUL
	MINIMUM	-27.9	-18.4	-19.9	-18.3	-9.3	-1.8	4.3	5.7	4.1	-8.4	-14.6	-18.1	-27.9
	DAY-HR	17-15	13-06	15-15	08-17	04-16	15-12	10-00	05-19	21-16	22-11	24-05	31-20	JAN
	# OBS	725	635	721	692	328	713	724	737	715	732	691	733	8146
1998	MEAN	-5.3	-0.7	-2.2	-	-	-	-	16.9	13.0	6.8	0.6	-5.0	2.4
	MAXIMUM	10.1	4.7	2.5	-	-	-	-	20.8	22.0	17.4	14.4	11.1	22.0
	DAY-HR	03-18	27-17	01-05	-	-	-	-	27-19	06-22	06-14	30-16	05-23	SEP
	MINIMUM	-25.9	-8.3	-7.5	-	-	-	-	6.8	0.3	-3.9	-11.5	-23.5	-25.9
	DAY-HR	13-15	04-10	04-00	-	-	-	-	30-19	22-21	21-21	13-10	30-13	JAN
	# OBS	699	659	197	-	-	-	-	297	714	735	717	732	4750
1999	MEAN	-10.0	-4.5	-4.8	2.6	7.1	13.5	17.6	15.5	10.9	4.5	1.0	-5.1	4.1
	MAXIMUM	3.7	9.9	6.9	11.5	16.6	20.7	25.5	22.4	21.7	15.8	13.2	10.7	25.5
	DAY-HR	27-19	12-01	17-19	03-02	18-06	12-22	04-02	28-09	03-19	16-15	01-18	04-07	JUL
	MINIMUM	-26.8	-16.9	-13.8	-6.6	-6.4	-0.3	5.8	8.2	-0.7	-8.0	-15.8	-23.1	-26.8
	DAY-HR	11-07	12-19	07-11	30-23	01-00	15-14	11-06	29-20	21-23	26-09	06-19	21-15	JAN
	# OBS	739	656	714	719	738	720	729	737	715	740	716	735	8658
2000	MEAN	-8.2	-3.9	0.3	0.6	9.7	-	-	-	5.9	7.0	-0.2	-10.4	-1.6
	MAXIMUM	6.7	9.1	14.5	9.3	21.4	-	-	-	12.6	17.0	13.5	2.8	21.4
	DAY-HR	02-19	27-00	08-07	15-07	09-00	-	-	-	30-23	27-08	02-16	16-14	MAY
	MINIMUM	-23.8	-17.5	-12.8	-17.8	5.3	-	-	-	0.4	-6.4	-14.9	-22.3	-23.8
	DAY-HR	21-13	12-09	11-10	22-14	01-02	-	-	-	25-16	09-21	21-21	22-06	JAN
	# OBS	741	693	739	709	122	-	-	-	172	724	700	724	5324
2001	MEAN	-5.7	-8.1	-3.4	3.2	6.6	11.9	15.5	16.9	11.1	5.0	3.6	-3.1	4.6
	MAXIMUM	3.8	8.0	4.0	14.5	15.8	20.5	23.7	25.0	20.3	15.0	13.0	10.8	25.0
	DAY-HR	30-07	25-12	23-03	12-02	18-01	30-22	21-23	07-15	03-20	03-01	15-06	05-02	AUG
	MINIMUM	-16.3	-24.6	-18.8	-9.1	-2.4	4.8	4.0	8.6	-0.3	-7.5	-5.8	-17.4	-24.6
	DAY-HR	21-08	21-21	25-21	16-14	14-05	03-12	01-17	13-17	25-22	07-18	04-20	31-14	FEB
	# OBS	723	635	660	643	631	690	744	741	716	742	711	741	8377
POR	MEAN	-8.6	-8.1	-3.6	0.4	5.6	12.8	16.4	17.0	11.7	6.0	-0.3	-6.5	1.6
	MAXIMUM	12.9	9.9	14.5	14.8	21.4	28.5	27.4	26.5	24.8	20.0	16.5	11.1	28.5
	YEAR	1990	1999	2000	1994	2000	1994	1995	1995	1994	1994	1994	1998	JUN/1994
	MINIMUM	-34.9	-35.0	-24.6	-20.7	-9.3	-2.3	4.0	3.9	-6.0	-16.5	-17.7	-35.0	-35.0
	YEAR	1994	1996	1993	1995	1997	1994	2001	1989	1989	1989	1989	1989	FEB/1996
	# OBS	7195	6957	5953	5598	4573	3689	3301	4049	5457	7260	7108	7914	69054

STATION: SGNW3 -- POR (10/1983 - 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
1983	MEAN	-	-	-	-	-	-	-	-	-	1030.4	1012.7	1021.1	1017.3
	MAXIMUM	-	-	-	-	-	-	-	-	-	1035.7	1031.3	1042.2	1042.2
	DAY-HR	-	-	-	-	-	-	-	-	-	29-16	03-16	19-16	DEC
	MINIMUM	-	-	-	-	-	-	-	-	-	1016.1	983.8	992.9	983.8
	DAY-HR	-	-	-	-	-	-	-	-	-	28-22	20-17	15-02	NOV
	# OBS	-	-	-	-	-	-	-	-	-	73	714	616	1403
1984	MEAN	1021.5	1014.6	1019.0	1013.4	1014.4	1013.4	1015.3	1015.5	1018.2	1019.1	1017.4	1017.5	1016.6
	MAXIMUM	1042.7	1033.9	1038.5	1030.3	1030.9	1027.0	1027.8	1024.8	1032.4	1031.3	1041.2	1036.9	1042.7
	DAY-HR	15-00	08-04	17-01	21-15	16-15	15-16	29-14	25-15	26-18	31-09	21-16	26-14	JAN
	MINIMUM	996.2	999.0	989.2	983.9	999.1	997.8	1003.2	1004.6	1004.7	997.2	1000.3	986.4	983.9
	DAY-HR	28-21	03-07	22-01	30-10	25-15	27-09	11-01	08-23	20-06	19-09	04-11	21-22	APR
	# OBS	740	657	737	719	733	720	741	743	717	743	717	740	8707
1985	MEAN	1012.0	1019.6	1016.5	1013.0	1011.8	1013.2	1014.3	1017.0	1017.7	1018.2	1018.8	1016.1	1015.8
	MAXIMUM	1027.0	1035.9	1038.7	1029.1	1025.0	1024.3	1023.4	1026.2	1038.6	1032.3	1036.4	1033.8	1038.7
	DAY-HR	16-02	04-17	06-15	09-17	08-15	30-16	30-16	02-14	13-17	28-16	21-16	03-16	MAR
	MINIMUM	995.1	1003.2	989.9	988.3	990.3	997.2	999.1	1007.8	997.8	994.6	1000.6	987.7	987.7

	DAY-HR	14-11	16-20	31-22	06-04	31-16	09-04	05-00	06-04	23-21	05-04	20-02	01-22	DEC
	# OBS	398	668	732	716	739	715	742	742	717	739	719	583	8210
1986	MEAN	1017.7	1016.6	1015.4	1014.8	1016.5	1015.3	1015.4	1018.0	1017.2	1019.4	1019.7	1020.9	1017.1
	MAXIMUM	1043.4	1027.5	1036.7	1026.5	1032.1	1028.1	1024.4	1026.9	1034.0	1034.3	1041.9	1039.4	1043.4
	DAY-HR	08-04	01-01	24-13	02-16	03-14	17-16	07-17	29-13	16-15	18-17	13-14	13-16	JAN
	MINIMUM	998.7	997.1	984.7	1002.3	1000.9	1001.5	1004.9	1007.5	997.9	1006.5	1004.5	1007.1	984.7
	DAY-HR	12-13	26-20	19-07	28-17	05-22	12-03	13-01	15-02	11-19	03-15	08-12	11-20	MAR
	# OBS	743	666	740	718	636	628	741	739	715	727	621	504	8178
1987	MEAN	1015.8	1020.6	1016.9	1015.7	1017.5	1013.5	1015.0	1015.6	1014.5	1018.1	1018.3	1015.1	1016.4
	MAXIMUM	1032.9	1036.4	1033.7	1030.4	1032.7	1026.6	1023.7	1028.7	1025.6	1034.1	1034.6	1036.0	1036.4
	DAY-HR	16-16	26-17	04-10	24-17	04-17	10-14	20-23	24-15	03-15	10-16	10-16	29-23	FEB
	MINIMUM	1000.9	994.4	992.0	998.9	1005.7	1004.7	1007.2	1003.6	1002.1	994.6	995.4	987.4	987.4
	DAY-HR	30-07	02-22	01-15	01-15	11-18	21-23	12-17	17-00	17-14	02-00	17-16	15-19	DEC
	# OBS	701	625	564	719	739	715	744	744	681	743	715	742	8432
1988	MEAN	1019.0	1018.2	1016.0	1012.9	1015.6	1016.8	1017.9	-	-	-	-	-	1016.4
	MAXIMUM	1039.9	1034.0	1031.9	1027.2	1026.6	1027.9	1020.8	-	-	-	-	-	1039.9
	DAY-HR	07-08	10-17	21-18	01-02	25-14	10-14	01-16	-	-	-	-	-	JAN
	MINIMUM	990.7	988.9	992.4	996.1	994.7	1003.0	1013.9	-	-	-	-	-	988.9
	DAY-HR	20-10	22-13	12-20	17-20	09-22	22-09	03-02	-	-	-	-	-	FEB
	# OBS	610	688	741	718	743	692	49	-	-	-	-	-	4241
1989	MEAN	1016.1	1023.9	1020.7	1015.7	1015.0	1014.8	1017.8	1015.4	1019.4	1017.5	1012.8	1019.8	1017.4
	MAXIMUM	1033.9	1050.1	1035.8	1027.3	1026.7	1028.8	1027.2	1026.4	1034.2	1036.2	1029.3	1042.7	1050.1
	DAY-HR	13-16	17-14	07-17	10-17	28-13	29-16	23-15	18-14	27-14	18-16	29-05	23-06	FEB
	MINIMUM	992.4	995.4	987.5	1002.9	995.2	1005.0	1006.0	1001.6	1002.6	1002.1	994.1	999.5	987.5
	DAY-HR	31-21	01-02	15-01	04-19	25-04	13-00	10-08	04-10	01-05	11-23	27-23	04-18	MAR
	# OBS	741	669	722	713	729	702	732	738	718	742	716	740	8662
1990	MEAN	1012.5	1019.1	1020.7	1015.8	1014.2	1012.1	1017.0	1017.7	1016.4	1015.4	1015.7	1018.2	1016.2
	MAXIMUM	1031.5	1043.9	1042.8	1032.1	1029.0	1024.9	1026.8	1026.0	1029.2	1027.5	1031.1	1040.4	1043.9
	DAY-HR	19-05	25-17	07-14	18-16	03-16	11-14	13-13	06-17	17-17	08-17	13-16	26-18	FEB
	MINIMUM	987.8	999.6	999.4	997.5	987.1	994.5	1004.9	1008.0	1000.5	995.4	994.3	987.7	987.1
	DAY-HR	24-03	13-06	15-17	28-17	10-11	03-10	04-07	28-15	25-10	18-04	28-06	04-01	MAY
	# OBS	742	670	740	705	739	712	738	744	717	715	714	694	8630
1991	MEAN	1020.1	1017.2	1011.0	1015.4	1016.1	1017.0	1014.5	1017.9	1018.5	1015.2	1017.3	1019.8	1016.7
	MAXIMUM	1040.3	1031.1	1030.0	1035.4	1030.6	1029.5	1026.7	1027.4	1031.5	1030.0	1034.5	1043.2	1043.2
	DAY-HR	07-15	01-15	16-13	12-13	19-13	06-16	27-16	24-17	20-16	31-00	08-16	19-16	DEC
	MINIMUM	997.3	993.5	979.6	998.5	1003.0	1004.6	1005.4	1004.7	1000.2	1000.2	991.3	994.3	979.6
	DAY-HR	23-10	14-10	28-00	23-10	06-07	15-23	06-23	17-10	25-21	05-09	01-21	12-21	MAR
	# OBS	739	670	743	715	744	718	743	738	717	743	719	741	8730
1992	MEAN	1015.8	1017.1	1016.5	1016.4	1019.0	1013.7	1013.5	1018.3	1016.6	1016.4	1016.0	1017.7	1016.4
	MAXIMUM	1032.2	1037.3	1028.3	1037.0	1030.8	1022.7	1025.3	1027.4	1030.3	1030.0	1030.6	1034.6	1037.3
	DAY-HR	01-04	12-05	28-15	13-03	06-15	21-16	21-17	15-14	29-15	22-03	19-15	24-12	FEB
	MINIMUM	991.4	993.0	1004.6	999.0	999.6	996.9	1000.1	1003.6	1002.0	1000.2	989.8	990.2	989.8
	DAY-HR	23-19	28-13	09-17	21-03	02-09	17-21	02-23	30-04	18-09	09-10	02-18	16-05	NOV
	# OBS	741	686	697	665	702	717	741	742	669	739	714	740	8553
1993	MEAN	1021.1	1021.0	1018.6	1012.2	1013.8	1014.0	1013.5	1015.1	1015.3	1014.6	1018.7	1017.5	1016.4
	MAXIMUM	1039.2	1033.4	1038.1	1029.3	1027.6	1024.0	1023.5	1024.2	1026.0	1028.0	1036.5	1037.1	1039.2
	DAY-HR	19-16	04-17	18-16	26-17	29-15	16-16	15-16	08-17	30-07	22-17	30-16	28-13	JAN
	MINIMUM	1001.7	996.6	1000.9	991.2	997.4	998.4	1000.2	1004.1	997.9	991.7	998.6	1000.4	991.2
	DAY-HR	23-21	21-20	08-09	24-19	24-03	09-01	06-01	24-00	09-14	28-19	13-18	10-10	APR
	# OBS	735	671	734	430	740	716	741	744	718	743	694	743	8409
1994	MEAN	1023.7	1022.3	1016.2	1015.9	1017.2	1014.4	1014.9	1017.3	1017.2	1018.2	1017.1	1023.6	1018.1
	MAXIMUM	1040.6	1036.7	1034.0	1034.1	1029.3	1026.1	1025.3	1028.8	1029.7	1030.9	1032.4	1034.6	1040.6
	DAY-HR	20-17	27-14	11-18	11-13	17-16	03-14	10-16	09-15	02-15	10-17	15-17	08-09	JAN
	MINIMUM	1005.2	1008.1	996.6	993.0	1001.0	1001.3	1006.1	1004.9	1002.9	1005.3	984.8	1010.0	984.8
	DAY-HR	01-14	20-09	18-11	15-11	11-18	29-08	22-09	28-08	28-08	28-22	28-05	28-03	NOV
	# OBS	722	656	744	715	736	718	725	742	714	735	714	737	8658
1995	MEAN	1017.8	1018.5	1021.5	1014.9	1014.5	1015.5	1013.2	1015.8	1019.1	1012.1	1015.7	1021.9	1016.7
	MAXIMUM	1031.1	1029.5	1037.6	1026.3	1028.5	1025.7	1022.7	1025.5	1030.4	1028.3	1027.4	1033.1	1037.6
	DAY-HR	04-23	28-17	09-15	10-18	26-16	16-17	30-12	22-16	23-16	30-15	04-17	12-16	MAR
	MINIMUM	1000.8	993.0	988.2	991.9	995.1	999.4	1006.1	1007.1	1007.3	984.4	1003.0	1002.1	984.4
	DAY-HR	31-21	10-13	20-19	19-00	14-09	07-11	28-01	31-07	30-23	27-14	02-04	05-15	OCT
	# OBS	735	648	733	712	741	711	735	735	712	738	166	642	8008
1996	MEAN	1017.3	1017.2	-	-	1017.5	1014.5	1014.6	1018.8	1015.1	1015.9	1022.7	1015.5	1016.8
	MAXIMUM	1035.4	1037.5	-	-	1029.9	1025.0	1025.8	1024.9	1027.2	1035.8	1041.5	1029.4	1041.5
	DAY-HR	06-06	04-16	-	-	06-17	26-15	27-16	24-13	18-15	03-14	14-16	04-14	NOV
	MINIMUM	983.0	996.0	-	-	997.5	1004.8	1002.9	1011.8	1000.1	981.7	1005.4	997.6	981.7
	DAY-HR	18-22	10-18	-	-	19-22	22-04	08-20	14-20	27-08	30-09	30-23	01-13	OCT
	# OBS	674	403	-	-	714	715	833	789	716	733	693	738	7008
1997	MEAN	1015.8	1021.0	1018.0	1016.4	1012.9	1013.6	1015.8	1016.3	1015.3	1016.9	1015.1	1013.6	1016.0
	MAXIMUM	1038.5	1039.2	1033.8	1034.3	1029.9	1025.5	1029.6	1024.2	1031.6	1033.1	1030.8	1029.8	1039.2
	DAY-HR	29-15	24-17	18-18	09-13	22-15	09-15	30-16	11-16	03-16	16-16	24-16	31-20	FEB
	MINIMUM	989.3	998.8	996.6	991.7	988.2	997.9	998.4	995.8	989.9	1000.8	992.6	1001.7	988.2

	DAY-HR	05-00	27-11	28-22	06-15	01-04	16-11	02-17	15-13	29-17	31-23	02-19	31-13	MAY
	# OBS	737	655	738	708	345	714	730	737	715	734	702	739	8254
1998	MEAN	1016.8	1015.0	1011.7	-	-	1010.4	1015.1	1016.9	1013.7	1019.6	1015.4	1018.6	1015.9
	MAXIMUM	1034.4	1027.9	1022.9	-	-	1018.6	1026.1	1028.2	1024.2	1034.5	1028.9	1034.3	1034.5
	DAY-HR	14-04	03-16	07-16	-	-	23-16	31-21	01-14	23-14	22-15	07-16	22-21	OCT
	MINIMUM	988.6	993.7	989.6	-	-	998.5	1006.0	1005.1	1004.3	1001.4	981.0	1001.6	981.0
	DAY-HR	09-14	27-17	09-19	-	-	15-23	21-12	25-05	26-23	18-09	10-18	29-11	NOV
	# OBS	719	669	213	-	-	340	739	322	715	735	718	739	5909
1999	MEAN	1017.8	1015.6	1020.5	1015.0	1013.6	1015.7	1013.6	1015.5	1014.9	1017.9	1018.5	1017.5	1016.3
	MAXIMUM	1037.4	1033.1	1041.1	1032.8	1026.8	1027.7	1023.9	1028.0	1025.2	1028.5	1041.0	1035.7	1041.1
	DAY-HR	30-16	21-17	07-16	24-16	01-13	18-14	11-16	30-16	17-15	03-14	30-14	01-00	MAR
	MINIMUM	993.6	989.8	997.1	993.4	990.7	1000.5	1000.9	999.7	1003.2	997.5	1003.6	992.8	989.8
	DAY-HR	18-10	12-01	17-19	16-12	06-18	28-23	31-04	13-09	23-19	22-03	24-01	29-21	FEB
	# OBS	741	659	720	719	743	720	738	737	715	739	717	740	8688
2000	MEAN	1019.8	1018.6	1016.7	1016.1	1011.9	1015.6	-	-	1019.6	1021.2	1014.8	1022.3	1017.9
	MAXIMUM	1042.2	1033.5	1034.3	1032.8	1022.7	1027.9	-	-	1029.5	1033.4	1028.0	1042.6	1042.6
	DAY-HR	14-10	17-06	17-17	12-16	19-16	03-13	-	-	28-16	28-17	11-15	25-17	DEC
	MINIMUM	987.4	1002.9	991.2	991.8	996.3	995.6	-	-	1011.6	1000.1	998.6	1000.4	987.4
	DAY-HR	10-16	03-18	27-20	06-04	23-20	16-09	-	-	30-21	02-10	16-18	16-20	JAN
	# OBS	741	693	741	714	441	380	-	-	169	725	702	726	6032
2001	MEAN	1017.3	1020.5	1016.7	1015.7	1013.3	1015.8	1015.5	1015.4	1017.7	1014.6	1017.3	1014.6	1016.2
	MAXIMUM	1035.2	1038.5	1031.9	1033.0	1027.2	1026.0	1027.1	1024.0	1031.7	1036.2	1030.9	1029.1	1038.5
	DAY-HR	02-14	11-15	18-15	28-16	12-16	27-14	02-11	13-17	14-16	30-06	12-14	15-16	FEB
	MINIMUM	992.8	987.3	993.5	991.0	994.3	998.0	1007.3	1005.0	1001.6	991.2	993.5	999.5	987.3
	DAY-HR	30-19	25-12	13-11	12-10	21-21	02-15	07-22	09-21	19-19	24-19	25-03	28-10	FEB
	# OBS	725	636	668	661	628	687	744	741	716	742	712	743	8403
POR	MEAN	1017.8	1018.7	1017.5	1015.0	1015.1	1014.5	1015.0	1016.7	1016.7	1017.1	1016.9	1018.3	1016.6
	MAXIMUM	1043.4	1050.1	1042.8	1037.0	1032.7	1029.5	1029.6	1028.8	1038.6	1036.2	1041.9	1043.2	1050.1
	YEAR	1986	1989	1990	1992	1987	1991	1997	1994	1985	2001	1986	1991	FEB/1989
	MINIMUM	983.0	987.3	979.6	983.9	987.1	994.5	998.4	995.8	989.9	981.7	981.0	986.4	979.6
	YEAR	1996	2001	1991	1984	1990	1997	1997	1997	1996	1998	1998	1984	MAR/1991
	# OBS	12684	11689	11707	11047	11592	12020	11956	11477	11541	12588	12167	12647	143115

STATION: SGNW3 -- POR (10/1983 - 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
1983	MEAN	-	-	-	-	-	-	-	-	-	7.5	14.9	13.2	13.8
	MAXIMUM	-	-	-	-	-	-	-	-	-	17.1	40.0	32.1	40.0
	DAY-HR	-	-	-	-	-	-	-	-	-	30-23	23-18	11-09	NOV
	MINIMUM	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	-	31-13	18-22	10-11	DEC
	# OBS	-	-	-	-	-	-	-	-	-	73	709	615	1397
1984	MEAN	11.5	11.2	10.6	-	9.5	10.0	8.9	8.6	9.9	9.5	12.9	13.2	10.5
	MAXIMUM	33.0	41.0	28.0	-	30.1	29.0	24.1	34.0	32.1	33.0	36.2	35.0	41.0
	DAY-HR	28-16	28-13	11-07	-	13-12	08-13	19-21	30-05	07-11	19-06	11-04	16-20	FEB
	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
	DAY-HR	29-21	18-11	25-03	-	30-03	29-07	29-02	25-03	28-18	29-12	30-02	30-18	DEC
	# OBS	739	692	734	-	669	720	741	742	717	743	717	740	7954
1985	MEAN	12.7	12.2	13.6	11.3	10.6	8.8	8.2	7.9	10.5	9.9	14.0	12.7	11.0
	MAXIMUM	35.0	32.1	40.0	27.0	34.0	31.1	27.0	21.0	33.0	27.0	36.2	33.0	40.0
	DAY-HR	01-11	19-01	04-03	06-00	31-20	22-19	05-03	12-13	23-23	05-09	10-09	02-00	MAR
	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
	DAY-HR	30-14	23-02	29-03	29-11	26-22	28-15	27-20	29-07	30-06	30-03	23-14	05-05	DEC
	# OBS	697	670	732	716	742	717	742	743	717	740	719	743	8678
1986	MEAN	11.9	10.8	11.2	11.6	9.8	8.9	7.8	9.0	9.1	10.6	12.2	9.7	10.2
	MAXIMUM	30.1	28.0	29.0	28.0	29.0	28.0	28.0	26.0	27.0	27.0	30.1	29.0	30.1
	DAY-HR	24-22	21-03	08-22	19-15	01-15	19-12	25-01	26-17	15-23	31-15	20-01	14-04	NOV
	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
	DAY-HR	23-19	26-19	29-10	26-04	25-08	28-15	31-14	26-09	28-15	21-17	20-12	31-00	DEC
	# OBS	744	668	740	719	636	629	741	739	717	727	623	512	8195
1987	MEAN	11.1	11.0	11.5	11.9	9.9	8.9	8.3	9.2	8.2	10.4	11.1	12.3	10.3
	MAXIMUM	27.0	34.0	40.0	29.0	26.0	23.1	23.1	25.1	22.0	28.0	24.1	42.0	42.0
	DAY-HR	29-20	08-13	09-13	05-15	09-15	06-20	23-20	09-02	02-02	01-18	25-22	15-13	DEC
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	14-23	20-14	20-12	16-23	26-08	28-08	31-22	29-02	20-18	19-22	29-10	27-21	DEC
	# OBS	708	638	719	719	740	715	744	744	681	742	715	742	8607

1988	MEAN	12.3	12.6	11.1	10.6	9.3	9.7	7.2	-	-	-	-	-	10.8
	MAXIMUM	34.0	34.0	29.0	29.0	29.0	28.0	15.0	-	-	-	-	-	34.0
	DAY-HR	26-01	20-12	25-02	27-23	13-05	08-19	02-23	-	-	-	-	-	FEB
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	0.0
	DAY-HR	25-17	27-02	31-14	30-23	22-06	29-22	02-13	-	-	-	-	-	JUL
	# OBS	611	693	741	718	743	696	50	-	-	-	-	-	4252
1989	MEAN	13.6	12.4	12.1	9.6	9.1	8.1	8.6	8.6	9.1	12.3	13.1	12.1	10.7
	MAXIMUM	32.9	28.6	30.9	27.4	29.5	24.7	27.4	23.9	37.1	33.6	32.3	33.4	37.1
	DAY-HR	08-06	02-10	03-21	14-09	25-04	28-15	09-05	20-06	23-01	19-19	04-09	26-01	SEP
	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
	DAY-HR	31-23	20-17	26-05	25-02	31-12	26-10	31-23	31-09	21-13	15-06	13-14	29-04	DEC
	# OBS	741	669	722	714	732	704	731	739	718	742	716	739	8667
1990	MEAN	13.3	13.5	11.6	11.3	11.3	10.8	9.6	9.5	11.3	14.2	13.0	13.5	11.9
	MAXIMUM	36.2	37.7	35.0	30.5	33.0	33.4	29.0	26.4	35.0	32.5	36.4	45.3	45.3
	DAY-HR	25-17	24-10	15-20	02-14	10-08	03-14	12-19	26-15	14-11	10-15	05-17	03-18	DEC
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
	DAY-HR	25-00	22-10	31-15	29-12	28-15	19-15	30-01	30-14	26-14	26-02	20-02	17-22	DEC
	# OBS	740	671	737	707	739	712	734	744	718	715	716	694	8627
1991	MEAN	13.3	11.7	13.7	12.1	10.3	9.6	9.4	10.2	10.7	12.7	13.0	11.8	11.5
	MAXIMUM	33.0	26.4	36.0	33.4	30.9	30.7	26.6	28.4	27.0	30.9	36.2	32.1	36.2
	DAY-HR	22-22	15-02	02-20	19-20	17-17	22-01	29-14	19-20	18-19	05-02	01-23	07-00	NOV
	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
	DAY-HR	15-10	19-05	20-13	28-12	29-12	21-05	22-06	28-15	13-09	11-23	23-00	08-00	DEC
	# OBS	738	670	742	716	744	718	743	738	717	743	719	742	8730
1992	MEAN	11.9	11.2	9.9	10.9	10.5	8.7	9.2	10.3	10.7	11.6	13.0	12.6	10.9
	MAXIMUM	31.1	37.1	32.7	29.2	29.2	23.7	23.7	24.5	30.1	29.7	37.3	40.2	40.2
	DAY-HR	14-10	28-19	09-17	01-03	24-08	17-07	02-16	30-04	09-13	16-17	23-01	27-07	DEC
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.8	0.6	0.0
	DAY-HR	11-14	25-08	31-14	25-18	27-03	25-08	30-09	09-15	30-06	25-13	07-18	28-13	OCT
	# OBS	741	686	697	665	702	718	742	742	670	741	715	740	8559
1993	MEAN	12.8	12.4	11.5	14.0	10.0	9.9	9.2	8.3	10.4	12.0	13.1	12.1	11.3
	MAXIMUM	32.7	30.9	32.3	43.7	34.8	37.3	24.3	26.8	31.7	31.9	31.5	30.1	43.7
	DAY-HR	26-15	21-18	31-21	01-06	13-00	09-03	09-14	09-17	30-22	09-11	27-17	13-02	APR
	MINIMUM	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.8	0.2	0.0	0.0	0.0
	DAY-HR	07-18	04-15	25-12	11-02	28-23	11-09	23-02	29-09	22-06	20-01	18-01	04-00	DEC
	# OBS	735	671	735	715	739	717	741	744	718	743	694	743	8695
1994	MEAN	13.3	12.4	9.7	13.4	10.9	9.5	9.4	9.2	9.0	11.1	12.8	10.1	10.9
	MAXIMUM	29.7	35.4	26.4	32.5	29.0	26.8	26.4	26.0	27.8	26.0	37.3	25.9	37.3
	DAY-HR	10-16	26-02	24-18	15-17	11-19	08-07	20-10	28-06	26-03	28-22	27-20	07-16	NOV
	MINIMUM	0.2	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	10-01	18-03	06-10	22-12	15-06	20-09	05-13	27-13	30-14	21-06	15-23	21-07	DEC
	# OBS	722	656	744	716	736	720	728	742	713	735	714	739	8665
1995	MEAN	11.7	12.7	11.1	10.9	10.5	7.8	9.7	8.8	10.9	11.5	12.6	12.4	10.9
	MAXIMUM	30.1	28.6	28.4	30.3	28.4	33.0	24.5	29.4	35.4	30.7	36.4	34.4	36.4
	DAY-HR	19-19	10-17	10-10	10-02	14-17	08-02	17-23	09-13	07-18	17-16	09-21	05-19	NOV
	MINIMUM	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	12-19	16-18	25-21	29-10	30-12	29-11	23-23	30-06	24-15	23-15	26-05	17-16	DEC
	# OBS	737	649	735	683	523	718	737	737	716	739	672	723	8369
1996	MEAN	14.0	12.5	-	-	11.5	9.5	8.3	7.7	10.5	11.8	11.6	11.0	10.7
	MAXIMUM	34.6	30.7	-	-	30.9	30.3	22.9	25.1	33.2	29.9	33.4	27.6	34.6
	DAY-HR	22-03	07-02	-	-	10-11	07-12	19-19	07-11	26-22	30-14	15-15	10-04	JAN
	MINIMUM	0.0	3.3	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	17-17	08-13	-	-	17-02	21-14	31-23	30-01	30-08	29-09	23-10	22-11	DEC
	# OBS	676	405	-	-	715	716	833	789	716	733	693	738	7014
1997	MEAN	13.1	11.5	11.4	10.2	11.1	8.8	8.9	9.8	10.9	11.0	10.7	11.5	10.7
	MAXIMUM	26.0	33.4	26.2	33.6	35.2	27.6	28.4	25.9	28.8	30.9	28.4	29.0	35.2
	DAY-HR	24-06	21-22	16-23	06-19	01-05	25-00	14-08	05-03	17-03	27-02	27-22	10-15	MAY
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0
	DAY-HR	08-07	20-04	20-05	20-05	31-05	20-03	31-13	26-09	27-03	30-09	08-16	27-21	OCT
	# OBS	737	656	738	710	345	714	732	737	713	734	702	739	8257
1998	MEAN	12.1	10.5	14.4	11.2	11.3	9.1	9.0	8.4	9.4	12.0	14.1	12.2	11.3
	MAXIMUM	40.0	30.3	41.0	32.7	28.2	31.1	21.6	19.6	22.7	35.0	49.2	37.9	49.2
	DAY-HR	08-22	27-16	09-16	09-17	08-18	02-16	04-07	06-12	15-04	06-02	10-23	18-16	NOV
	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
	DAY-HR	06-15	25-09	24-14	28-23	27-01	27-05	25-03	26-14	30-14	25-13	27-10	28-11	DEC
	# OBS	719	668	716	691	714	691	739	323	715	735	717	739	8167
1999	MEAN	13.3	13.2	13.6	12.1	10.6	9.4	10.2	10.0	10.1	11.7	10.9	11.6	11.4
	MAXIMUM	41.4	36.7	35.6	32.1	27.6	26.6	42.6	26.8	24.5	28.8	38.7	30.1	42.6
	DAY-HR	02-15	05-20	18-01	23-18	17-05	06-19	09-03	14-01	23-21	08-00	10-23	01-18	JUL
	MINIMUM	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.0
	DAY-HR	25-00	26-03	15-08	25-03	19-08	20-04	22-14	18-03	25-14	16-01	23-03	13-21	DEC
	# OBS	741	659	720	719	743	720	738	737	715	739	717	740	8688



2000	MEAN	12.9	12.8	11.3	14.1	10.8	11.5	-	-	12.6	10.9	12.3	13.4	12.3
	MAXIMUM	37.5	31.9	29.2	39.9	30.9	27.2	-	-	25.5	27.4	30.3	36.9	39.9
	DAY-HR	06-02	04-13	17-08	21-07	18-16	21-21	-	-	30-21	28-01	07-07	12-02	APR
	MINIMUM	0.0	0.2	0.0	0.2	0.0	0.0	-	-	1.9	0.2	1.0	0.4	0.0
	DAY-HR	09-18	03-14	24-02	26-08	23-10	14-00	-	-	25-06	19-13	25-15	13-19	JUN
	# OBS	741	693	741	714	441	380	-	-	171	725	704	728	6038
2001	MEAN	11.1	12.4	11.5	12.6	11.4	9.8	9.2	10.1	11.8	13.2	12.1	12.0	11.4
	MAXIMUM	29.0	34.8	29.9	38.9	29.2	39.9	23.9	29.5	34.0	34.8	30.1	33.2	39.9
	DAY-HR	04-23	25-16	16-18	23-21	16-09	12-04	26-05	22-02	23-20	25-19	24-19	22-22	JUN
	MINIMUM	0.6	1.2	0.0	0.0	0.0	0.2	0.0	0.6	0.2	0.4	0.8	0.0	0.0
	DAY-HR	30-13	15-23	20-23	21-01	19-14	23-04	30-13	26-01	23-08	14-00	08-00	11-16	DEC
	# OBS	728	640	671	668	631	693	744	740	718	742	716	743	8434
POR	MEAN	12.6	12.0	11.8	11.7	10.4	9.3	9.0	9.1	10.2	11.5	12.6	12.1	11.1
	MAXIMUM	41.4	41.0	41.0	43.7	35.2	39.9	42.6	34.0	37.1	35.0	49.2	45.3	49.2
	YEAR	1999	1984	1998	1993	1997	2001	1999	1984	1989	1998	1998	1990	NOV/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	2000	1998	2001	2001	2001	2000	2001	1999	1999	1998	1999	2001	DEC/2001
	# OBS	12995	11754	12364	11290	12034	12398	11960	11480	11550	12591	12678	12899	145993

STATION: SGNW3 -- POR (10/1983 - 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
1983	MEAN	-	-	-	-	-	-	-	-	-	8.7	17.4	15.7	16.2
	MAXIMUM	-	-	-	-	-	-	-	-	-	20.0	45.1	37.1	45.1
	DAY-HR	-	-	-	-	-	-	-	-	-	28-22	10-22	06-15	NOV
	# OBS	-	-	-	-	-	-	-	-	-	73	709	615	1397
1984	MEAN	13.8	13.0	12.4	-	11.0	11.5	10.2	9.8	11.3	11.0	15.0	15.6	12.2
	MAXIMUM	35.0	47.0	31.1	-	32.1	39.1	28.0	40.0	37.1	39.1	42.0	41.0	47.0
	DAY-HR	28-16	28-13	11-07	-	13-12	08-17	15-21	30-05	07-11	19-06	11-04	16-20	FEB
	# OBS	739	690	734	-	668	720	740	742	710	736	717	739	7935
1985	MEAN	15.2	14.6	15.8	13.0	12.2	10.1	9.2	9.0	12.0	11.3	16.4	15.4	12.8
	MAXIMUM	39.1	37.1	46.1	34.0	44.1	37.1	29.0	28.0	40.0	33.0	41.0	41.0	46.1
	DAY-HR	01-11	19-01	04-03	06-11	31-18	22-20	05-03	18-18	24-00	05-09	10-04	02-01	MAR
	# OBS	697	669	730	716	738	716	742	742	717	740	717	742	8666
1986	MEAN	14.3	12.6	13.0	13.3	11.4	10.2	8.8	10.4	10.3	12.2	14.5	11.5	11.9
	MAXIMUM	35.0	35.0	33.0	34.0	36.2	33.0	33.0	27.0	30.1	31.1	36.2	33.0	36.2
	DAY-HR	24-21	21-03	26-21	08-21	01-17	19-12	18-23	26-17	15-21	31-14	09-17	14-04	NOV
	# OBS	742	665	740	719	636	629	740	739	715	727	623	501	8176
1987	MEAN	13.0	12.6	13.1	13.4	11.1	10.2	9.2	10.5	9.4	12.4	13.0	14.6	11.9
	MAXIMUM	34.0	40.0	47.0	33.0	32.1	28.0	28.0	27.0	26.0	32.1	27.0	48.0	48.0
	DAY-HR	12-02	08-10	09-04	05-15	09-15	07-14	29-20	09-02	30-18	22-17	25-22	15-13	DEC
	# OBS	680	631	716	718	739	710	744	744	681	743	715	742	8563
1988	MEAN	14.7	15.2	13.1	12.3	10.6	11.0	8.0	-	-	-	-	-	12.7
	MAXIMUM	38.1	38.1	33.0	34.0	34.0	32.1	17.1	-	-	-	-	-	38.1
	DAY-HR	26-01	20-12	25-02	06-12	13-05	22-13	02-23	-	-	-	-	-	FEB
	# OBS	608	686	740	718	743	685	48	-	-	-	-	-	4228
1989	MEAN	16.0	14.8	13.9	11.1	10.4	9.1	9.5	9.8	10.3	14.0	15.5	14.4	12.4
	MAXIMUM	38.3	36.5	36.2	31.7	33.0	27.2	29.2	26.6	43.5	38.3	38.3	38.7	43.5
	DAY-HR	08-06	08-12	05-16	14-09	25-04	28-15	09-05	05-03	23-01	19-20	20-19	26-01	SEP
	# OBS	739	669	721	713	727	701	731	739	717	742	716	738	8653
1990	MEAN	15.7	15.6	13.5	12.8	13.0	12.5	10.7	10.6	13.0	16.3	15.5	15.9	13.7
	MAXIMUM	44.3	43.7	42.0	34.8	37.1	43.4	33.2	32.1	39.5	37.3	43.2	50.7	50.7
	DAY-HR	11-13	24-10	15-20	02-14	10-16	03-14	12-19	26-15	14-11	10-15	05-17	03-18	DEC
	# OBS	739	670	736	706	738	710	734	744	717	714	715	690	8613
1991	MEAN	15.9	13.9	16.0	14.0	11.8	10.8	10.8	11.6	12.5	14.7	15.3	14.1	13.4
	MAXIMUM	40.2	34.4	42.0	38.7	36.7	36.5	30.5	31.9	30.9	36.2	42.2	38.5	42.2
	DAY-HR	22-22	15-10	02-18	30-20	17-17	22-03	29-11	19-20	25-23	05-02	01-23	14-20	NOV
	# OBS	734	669	740	714	744	718	743	737	717	743	719	740	8718
1992	MEAN	14.2	13.2	11.6	12.5	11.9	9.9	10.7	11.9	12.3	13.4	15.1	14.9	12.6
	MAXIMUM	36.2	46.9	36.9	32.5	34.6	27.6	26.6	28.4	33.0	36.5	42.8	45.5	46.9
	DAY-HR	14-09	28-19	09-17	01-06	02-19	18-20	14-05	30-04	09-13	16-18	23-00	27-08	FEB
	# OBS	741	685	697	665	702	716	741	742	669	739	713	738	8548
1993	MEAN	15.1	14.5	13.2	16.0	11.5	11.3	10.4	9.4	12.0	14.0	15.6	14.5	13.1
	MAXIMUM	38.9	35.4	36.5	48.8	47.0	42.2	29.0	30.7	37.7	38.5	36.5	35.8	48.8

	DAY-HR	26-14	21-18	31-21	01-12	31-21	09-03	06-01	09-17	30-22	09-10	27-17	13-02	APR
	# OBS	735	671	734	715	738	716	739	744	718	743	694	743	8690
1994	MEAN	16.0	14.8	11.5	15.8	12.6	10.8	10.7	10.5	10.3	12.7	15.1	11.7	12.7
	MAXIMUM	35.2	40.6	34.0	39.1	41.2	31.7	31.7	32.5	32.3	29.0	43.2	29.5	43.2
	DAY-HR	10-17	26-01	24-18	15-17	11-19	08-07	20-10	28-06	26-03	29-06	27-20	07-16	NOV
	# OBS	722	656	744	715	736	719	726	742	713	735	714	736	8658
1995	MEAN	13.9	15.3	12.8	12.9	12.3	8.8	11.1	10.1	12.7	13.5	14.9	14.9	12.8
	MAXIMUM	35.8	35.4	32.7	33.4	37.1	36.2	30.3	32.3	41.4	36.2	41.0	42.2	42.2
	DAY-HR	19-19	21-08	10-10	10-02	14-16	08-02	06-20	09-13	07-18	24-01	09-21	05-19	DEC
	# OBS	735	648	733	682	523	718	736	735	716	737	672	722	8357
1996	MEAN	16.8	15.1	-	-	13.3	10.9	9.5	8.8	12.2	13.7	13.8	13.2	12.5
	MAXIMUM	39.7	35.6	-	-	36.4	35.2	27.4	31.9	38.1	35.2	38.3	31.9	39.7
	DAY-HR	29-15	07-02	-	-	21-21	07-09	08-21	07-11	26-23	30-14	15-15	15-12	JAN
	# OBS	669	404	-	-	715	716	833	789	715	733	693	738	7005
1997	MEAN	15.8	13.7	13.6	12.3	13.4	10.1	10.2	11.3	12.7	12.6	12.7	13.6	12.6
	MAXIMUM	32.9	38.5	29.9	45.7	41.2	34.0	32.3	29.9	35.0	34.0	32.3	32.5	45.7
	DAY-HR	16-13	22-01	17-01	06-17	01-05	25-00	02-18	05-02	29-16	27-05	27-22	10-15	APR
	# OBS	737	656	738	708	345	714	729	736	713	734	702	739	8251
1998	MEAN	14.0	11.9	16.6	12.7	12.8	10.5	10.3	9.5	10.9	13.9	16.6	14.5	13.0
	MAXIMUM	43.5	35.4	48.0	37.7	39.1	36.4	24.9	26.6	25.5	41.6	67.1	44.3	67.1
	DAY-HR	08-22	27-16	09-16	09-17	31-08	12-05	28-23	03-17	15-17	06-02	10-23	18-14	NOV
	# OBS	719	668	715	691	714	691	739	323	715	735	717	738	8165
1999	MEAN	15.8	15.4	15.8	13.7	12.2	10.5	11.6	11.5	11.7	13.9	14.0	13.9	13.3
	MAXIMUM	49.2	43.2	43.5	37.5	35.2	28.8	49.6	29.9	29.4	34.6	45.1	33.8	49.6
	DAY-HR	02-15	05-20	18-01	06-20	06-20	05-22	09-03	14-01	29-00	08-00	10-23	01-15	JUL
	# OBS	741	659	720	719	743	719	738	737	715	739	717	740	8687
2000	MEAN	15.3	14.7	13.0	16.0	12.3	13.1	-	-	14.2	12.3	14.3	15.6	14.2
	MAXIMUM	42.2	36.2	34.0	45.1	34.0	36.2	-	-	30.1	31.1	36.4	43.0	45.1
	DAY-HR	06-02	04-13	25-19	21-08	18-16	21-21	-	-	24-05	28-00	07-07	12-02	APR
	# OBS	741	693	740	714	441	380	-	-	169	723	700	724	6025
2001	MEAN	13.0	14.6	13.3	14.4	12.7	10.8	10.2	11.5	13.4	15.3	13.7	14.0	13.1
	MAXIMUM	32.5	43.4	33.4	46.5	32.3	45.5	27.2	31.3	37.5	44.5	35.6	38.3	46.5
	DAY-HR	04-23	25-16	06-03	08-03	16-06	12-04	26-06	22-02	23-20	25-19	24-19	22-20	APR
	# OBS	725	634	668	661	631	688	744	740	716	742	713	743	8405
POR	MEAN	14.9	14.2	13.7	13.5	12.0	10.6	10.2	10.4	11.7	13.3	14.9	14.4	12.9
	MAXIMUM	49.2	47.0	48.0	48.8	47.0	45.5	49.6	40.0	43.5	44.5	67.1	50.7	67.1
	YEAR	1999	1984	1998	1993	1993	2001	1999	1984	1989	2001	1998	1990	NOV/1998
	# OBS	12943	11723	12346	11274	12021	12366	11947	11475	11533	12578	12666	12868	145740

STATION: SGNW3 -- POR (1/1996 - 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
1996	MEAN	19.9	18.2	-	-	16.0	13.9	12.3	10.9	14.8	16.7	16.4	16.1	15.3
	MAXIMUM	44.1	37.1	-	-	45.3	42.0	34.6	36.9	44.3	45.3	39.7	35.6	45.3
	DAY-HR	29-17	11-13	-	-	21-21	30-02	08-22	07-11	26-20	30-14	15-16	15-09	OCT
	MINIMUM	3.5	6.0	-	-	1.6	0.0	0.0	0.0	0.0	2.3	3.5	0.8	0.0
	DAY-HR	10-20	09-18	-	-	16-19	20-05	31-23	18-10	23-15	16-12	06-09	22-11	SEP
	# OBS	660	399	-	-	715	716	810	789	715	733	693	738	6968
1997	MEAN	18.8	16.5	16.3	14.9	18.5	12.9	12.9	13.6	15.3	15.3	15.4	16.4	15.4
	MAXIMUM	36.9	42.6	34.2	50.7	49.2	43.9	43.0	33.2	42.4	37.3	36.7	35.8	50.7
	DAY-HR	16-13	21-22	17-01	06-17	01-04	25-00	17-00	05-03	29-17	27-06	27-22	10-16	APR
	MINIMUM	5.2	2.9	1.6	0.6	5.1	1.0	0.0	0.0	0.0	0.6	2.5	1.6	0.0
	DAY-HR	08-09	28-06	07-15	20-04	02-11	10-02	20-08	24-12	07-03	23-02	08-16	14-17	SEP
	# OBS	737	656	738	683	142	713	727	712	715	734	702	739	7998
1998	MEAN	16.6	14.2	19.4	15.1	15.5	13.4	12.7	11.6	13.3	16.6	20.2	17.7	15.8
	MAXIMUM	48.4	37.9	55.0	39.3	46.9	58.1	33.0	26.6	32.5	42.4	69.0	47.0	69.0
	DAY-HR	08-22	27-17	09-14	09-17	31-09	19-02	25-18	03-17	02-02	18-02	11-01	18-15	NOV
	MINIMUM	1.7	1.4	2.5	2.1	2.1	2.1	1.0	1.9	2.7	2.1	1.2	2.7	1.0
	DAY-HR	05-12	10-19	01-15	29-00	27-02	24-01	17-05	26-14	04-07	31-01	18-08	08-03	JUL
	# OBS	717	669	715	691	714	691	739	323	715	735	742	739	8190
1999	MEAN	18.7	18.5	18.6	16.4	15.4	13.3	14.8	13.8	14.2	17.2	17.5	17.2	16.3
	MAXIMUM	51.3	50.9	45.5	43.2	39.3	46.9	57.7	36.5	31.5	38.1	47.2	46.7	57.7
	DAY-HR	02-21	12-02	18-02	06-21	17-07	06-23	09-03	10-06	30-22	23-16	10-21	20-16	JUL
	MINIMUM	2.5	3.7	2.1	1.4	1.4	1.6	1.6	1.7	1.7	2.7	0.2	0.2	0.2

	DAY-HR	21-08	22-14	15-09	25-03	23-08	19-11	22-14	27-00	05-07	28-13	23-03	13-04	DEC
	# OBS	765	659	720	719	743	719	738	737	715	740	717	740	8712
2000	MEAN	17.8	17.5	16.1	18.8	14.2	16.0	-	-	16.6	14.9	17.4	18.6	17.2
	MAXIMUM	47.0	38.3	46.9	49.8	20.0	35.0	-	-	30.1	36.0	40.0	44.7	49.8
	DAY-HR	06-02	04-13	25-19	06-10	01-09	10-22	-	-	24-05	07-21	07-05	12-02	APR
	MINIMUM	0.0	2.3	1.9	2.9	3.7	2.3	-	-	3.1	1.9	2.9	3.9	0.0
	DAY-HR	18-17	03-14	06-10	27-22	01-10	03-06	-	-	25-01	23-04	25-10	07-14	JAN
	# OBS	741	693	741	714	11	278	-	-	168	721	697	719	5483
2001	MEAN	15.8	17.6	16.0	18.0	16.0	13.7	12.7	14.1	16.1	18.5	16.4	17.0	15.9
	MAXIMUM	37.7	45.5	35.8	54.8	50.5	50.3	38.9	48.2	41.6	46.1	41.8	51.7	54.8
	DAY-HR	04-23	25-16	06-03	12-02	01-03	12-04	22-20	13-02	23-20	25-18	24-22	06-02	APR
	MINIMUM	2.5	3.1	2.3	3.1	2.9	1.9	1.4	2.1	1.6	2.9	1.7	1.7	1.4
	DAY-HR	12-05	16-02	21-04	05-08	20-10	23-04	30-13	14-03	17-12	28-01	04-23	11-16	JUL
	# OBS	718	629	660	655	630	687	744	741	713	741	710	743	8371
POR	MEAN	17.9	17.0	17.3	16.6	15.8	13.6	13.0	12.9	14.8	16.6	17.2	17.1	15.9
	MAXIMUM	51.3	50.9	55.0	54.8	50.5	58.1	57.7	48.2	44.3	46.1	69.0	51.7	69.0
	YEAR	1999	1999	1998	2001	2001	1998	1999	2001	1996	2001	1998	2001	NOV/1998
	MINIMUM	0.0	1.4	1.6	0.6	1.4	0.0	0.0	0.0	0.0	0.6	0.2	0.2	0.0
	YEAR	2000	1998	1997	1997	1999	1996	1997	1997	1997	1997	1999	1999	JAN/2000
	# OBS	4338	3705	3574	3462	2955	3804	3758	3302	3741	4404	4261	4418	45722

STATION: SGNW3

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	0.4	*	*	-	-	*	-	*	*	*	*	*	*	0.6	74
1 - 3		0.4	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.6	0.7	0.5	0.4	3.6	472
4 - 6		0.6	0.2	0.1	0.1	0.1	0.2	0.5	1.4	2.2	2.1	1.9	1.2	10.8	1402
7 - 10		1.0	0.5	0.4	0.4	0.4	0.3	0.9	3.5	4.2	5.4	4.6	3.5	25.2	3279
11 - 15		1.3	0.6	0.7	0.7	0.8	0.7	1.4	4.0	3.6	6.8	6.0	4.1	30.7	3984
16 - 20		1.4	0.5	0.9	0.9	0.9	1.1	1.7	2.4	1.3	3.8	2.7	1.8	19.5	2537
21 - 24		0.8	0.4	0.4	0.3	0.4	0.5	0.8	0.3	0.4	0.9	0.6	0.6	6.3	825
25 - 33		0.5	0.6	0.3	0.2	0.1	0.3	0.5	0.1	0.1	0.2	0.1	0.1	3.0	396
34 - 47		*	0.1	0.1	*	-	-	*	-	-	-	-	-	0.2	26
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.4	6.1	3.0	2.9	2.8	2.8	3.1	6.1	12.2	12.5	19.9	16.5	11.8	100.0	
TOTAL N	54	791	389	382	359	367	409	787	1586	1618	2588	2138	1527		12995

(\* < 0.05%)

STATION: SGNW3

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	0.8	*	-	*	-	*	*	*	-	-	-	*	-	0.9	106
1 - 3		0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.6	0.7	0.8	0.7	0.5	5.6	653
4 - 6		0.9	0.6	0.3	0.4	0.3	0.4	0.6	1.5	2.2	2.0	1.8	1.3	12.2	1434
7 - 10		1.3	0.9	0.5	0.6	0.5	0.9	2.0	2.8	3.4	5.1	4.1	2.9	25.1	2946
11 - 15		1.9	1.3	0.8	0.9	1.0	0.8	3.2	3.0	2.5	5.0	5.4	3.8	29.6	3476
16 - 20		2.4	1.2	1.2	0.6	0.6	0.6	2.7	1.5	0.9	2.0	1.8	2.0	17.6	2071
21 - 24		1.3	0.9	0.6	0.2	0.1	0.2	1.0	0.3	0.1	0.4	0.3	0.7	6.1	722
25 - 33		0.7	0.6	0.3	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.2	2.6	311
34 - 47		0.1	0.1	-	-	-	-	*	-	*	-	-	*	0.3	35
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	9.0	6.1	4.1	3.0	2.8	3.3	10.1	9.7	9.9	15.4	14.2	11.6	100.0	
TOTAL N	97	1062	712	479	351	330	389	1191	1143	1166	1809	1667	1358		11754

(\* < 0.05%)

STATION: SGNW3

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	0.8	*	*	*	*	*	*	*	*	-	*	-	-	0.9	116
1 - 3		0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.7	0.6	0.6	0.6	0.5	6.3	779
4 - 6		1.4	1.3	1.0	0.7	0.9	1.1	1.3	1.4	1.4	1.5	1.2	1.0	14.3	1774
7 - 10		3.3	2.1	1.6	1.0	0.8	1.7	2.9	1.8	2.1	3.0	2.9	3.0	26.1	3224
11 - 15		3.1	2.3	1.3	1.0	1.0	1.7	3.9	1.2	1.4	3.3	3.3	3.2	26.6	3292
16 - 20		2.0	1.7	1.2	0.9	0.8	1.1	2.6	0.7	0.8	1.4	1.5	1.6	16.3	2013
21 - 24		1.1	1.0	0.5	0.4	0.2	0.4	0.8	0.2	0.3	0.3	0.3	0.3	5.8	711
25 - 33		0.6	1.0	0.2	0.3	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	3.3	411

34 - 47	0.2	0.1	-	*	*	-	-	*	*	-	-	*	0.4	44
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.8	12.3	10.0	6.3	4.8	4.4	6.6	12.3	6.0	6.7	10.3	9.9	9.7	100.0
TOTAL N	99	1517	1231	777	594	549	812	1515	747	827	1271	1220	1205	12364

(\* < 0.05%)

STATION: SGNW3

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	1.2	0.1	*	*	*	*	*	0.1	*	*	*	*	*	1.6	177
1 - 3		0.6	0.9	0.7	0.6	0.6	0.8	0.6	0.5	0.4	0.4	0.4	0.5	7.0	795
4 - 6		1.5	2.0	1.2	0.7	0.8	1.4	1.8	1.8	1.1	0.9	0.8	0.8	14.7	1657
7 - 10		3.6	3.0	1.5	0.8	0.6	1.9	4.0	1.8	1.5	2.1	2.2	1.8	25.0	2821
11 - 15		4.9	3.3	1.2	0.7	0.4	1.6	5.8	1.2	1.1	1.7	1.9	2.0	25.9	2927
16 - 20		2.7	2.5	0.6	0.3	0.3	0.6	4.0	0.4	0.7	0.9	1.2	1.0	15.2	1712
21 - 24		1.2	1.7	0.2	0.1	0.1	0.2	1.1	0.2	0.4	0.4	0.4	0.2	6.2	697
25 - 33		1.4	1.4	0.1	*	*	0.1	0.2	0.1	0.3	0.2	0.1	0.1	4.0	452
34 - 47		0.2	0.2	-	-	-	-	-	*	*	*	-	-	0.5	52
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.2	16.1	15.0	5.5	3.3	2.9	6.6	17.5	6.2	5.6	6.7	7.0	6.3	100.0	
TOTAL N	132	1819	1699	626	371	326	744	1978	705	637	755	788	710	11290	

(\* < 0.05%)

STATION: SGNW3

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

Month: MAY

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	1.9	*	*	*	0.1	*	*	*	*	*	*	-	*	2.3	275
1 - 3		0.9	1.3	0.8	0.8	0.8	0.9	1.1	0.8	0.5	0.4	0.4	0.5	9.2	1110
4 - 6		2.4	2.3	1.1	0.7	0.9	1.9	2.9	2.1	1.3	0.6	0.6	0.7	17.4	2089
7 - 10		5.5	2.5	0.9	0.7	0.7	2.4	4.9	2.0	1.5	1.8	1.3	1.2	25.5	3069
11 - 15		6.1	3.0	0.6	0.3	0.3	1.8	6.5	1.0	1.4	2.3	1.4	0.9	25.7	3094
16 - 20		2.8	1.9	0.1	0.1	0.3	0.6	4.5	0.3	1.1	1.1	0.8	0.3	14.1	1696
21 - 24		0.9	0.7	*	*	0.1	0.1	1.2	0.2	0.4	0.3	0.2	0.1	4.2	506
25 - 33		0.4	0.4	-	-	*	*	0.2	0.1	0.2	0.1	0.1	0.1	1.6	190
34 - 47		*	*	-	-	-	-	-	-	-	-	*	-	0.0	5
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.9	19.0	12.0	3.6	2.7	3.2	7.8	21.3	6.5	6.6	6.6	4.9	3.9	100.0	
TOTAL N	228	2286	1441	430	319	390	941	2566	787	794	794	593	465	12034	

(\* < 0.05%)

STATION: SGNW3

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	1.9	-	*	*	*	0.1	*	*	*	*	0.1	*	*	2.2	278
1 - 3		1.0	1.0	0.9	0.9	0.9	1.4	1.4	1.3	0.8	0.7	0.5	0.6	11.5	1423
4 - 6		2.4	2.3	1.1	0.8	1.0	2.2	2.9	3.0	1.4	1.2	0.7	1.0	19.8	2450
7 - 10		5.9	2.5	1.1	0.5	0.7	3.1	5.3	2.4	2.1	2.9	1.7	1.4	29.7	3685
11 - 15		4.5	1.9	0.6	0.4	0.3	1.6	6.9	1.2	1.5	1.9	1.9	1.1	23.8	2951
16 - 20		1.3	0.9	0.1	0.1	0.2	0.3	4.1	0.3	0.9	0.7	0.5	0.2	9.5	1179
21 - 24		0.2	0.3	*	*	*	*	1.0	0.2	0.3	0.2	0.1	0.1	2.4	302
25 - 33		0.2	0.2	-	*	*	-	0.2	0.1	0.1	0.1	*	*	1.0	127
34 - 47		-	-	-	-	-	-	*	-	-	-	-	*	0.0	2
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.9	15.5	9.2	3.9	2.6	3.1	8.7	21.9	8.4	7.2	7.6	5.4	4.4	100.0	
TOTAL N	238	1926	1144	481	321	388	1081	2713	1047	894	947	674	543	12397	

(\* < 0.05%)

STATION: SGNW3

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	2.2	*	*	*	*	-	*	*	*	*	*	0.1	*	2.5	302
1 - 3		0.8	0.9	1.0	0.9	0.8	1.0	1.3	1.1	0.9	0.9	0.6	0.7	10.8	1292
4 - 6		2.2	2.0	1.3	1.1	1.3	2.0	3.1	3.0	1.7	1.3	0.8	1.2	21.1	2526
7 - 10		4.4	2.0	0.9	0.8	0.9	3.2	5.3	3.1	2.9	3.8	2.3	1.8	31.4	3754

11 - 15	2.6	1.8	0.6	0.5	0.6	1.5	7.2	1.3	1.6	2.4	1.7	1.1	22.9	2740
16 - 20	0.8	0.9	0.3	0.1	0.3	0.3	4.1	0.3	0.6	0.8	0.4	0.2	9.2	1095
21 - 24	0.2	0.3	0.1	*	0.1	*	0.8	0.1	0.2	0.1	0.1	-	1.9	224
25 - 33	*	*	*	*	*	*	0.1	-	*	*	-	-	0.2	26
34 - 47	*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	2.2	11.0	7.8	4.2	3.4	3.9	8.2	21.9	8.9	8.0	9.4	6.0	5.1	100.0
TOTAL N	265	1317	935	502	406	465	980	2621	1061	955	1129	712	612	11960

(\* < 0.05%)

STATION: SGNW3

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	1.6	*	*	*	*	*	*	*	*	*	-	-	*	*	1.8	206
1 - 3		0.5	0.5	0.5	0.7	0.6	0.6	1.2	1.3	1.0	1.0	0.7	0.5	9.2	1057	
4 - 6		1.7	1.5	1.2	0.9	1.1	1.8	2.3	2.9	2.6	2.0	1.3	1.2	20.5	2349	
7 - 10		3.1	1.9	1.8	0.9	1.0	3.2	4.8	3.0	3.4	4.8	2.8	3.1	33.8	3878	
11 - 15		2.2	2.0	1.4	0.7	0.7	2.3	6.6	1.4	1.5	2.2	1.7	1.9	24.6	2826	
16 - 20		1.1	1.4	0.6	0.3	0.2	0.8	2.6	0.2	0.4	0.3	0.4	0.2	8.6	985	
21 - 24		0.3	0.3	0.1	0.1	0.1	0.1	0.2	*	0.1	*	*	*	1.3	150	
25 - 33		*	0.1	*	-	*	-	*	*	-	*	-	*	0.2	28	
34 - 47		*	-	-	-	-	-	-	-	-	-	-	-	0.0	1	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	1.6	8.9	7.7	5.7	3.7	3.8	8.7	17.7	8.9	9.0	10.4	6.9	7.1	100.0		
TOTAL N	185	1022	882	653	423	432	1000	2033	1017	1033	1195	788	817	11480		

(\* < 0.05%)

STATION: SGNW3

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	1.1	*	*	*	*	*	*	0.1	*	-	*	*	*	1.4	158
1 - 3		0.5	0.3	0.4	0.4	0.4	0.6	0.8	1.0	0.9	0.6	0.6	0.4	7.0	810
4 - 6		1.0	1.0	0.9	0.9	1.0	1.4	1.8	2.9	2.9	2.1	1.7	1.4	19.0	2189
7 - 10		2.8	1.3	1.2	0.8	0.9	2.7	4.0	2.9	3.3	4.0	2.7	3.1	29.7	3430
11 - 15		2.6	1.5	0.8	0.6	0.7	2.4	6.7	2.0	2.1	2.1	2.5	2.7	26.8	3100
16 - 20		1.5	1.0	0.2	0.1	0.3	0.9	4.1	0.8	0.8	0.7	0.8	0.8	12.0	1385
21 - 24		0.5	0.5	0.1	*	0.1	0.3	0.9	0.1	0.1	0.2	0.2	0.1	3.0	349
25 - 33		0.4	0.1	*	*	0.1	0.1	0.2	*	*	*	*	0.1	1.1	124
34 - 47		*	*	-	-	-	-	-	-	-	-	-	-	0.0	5
> 48		-	-	-	-	-	-	-	*	-	-	-	-	0.0	1
TOTAL %	1.1	9.4	5.8	3.7	2.9	3.4	8.4	18.5	9.7	10.2	9.7	8.5	8.7	100.0	
TOTAL N	132	1085	666	426	337	393	966	2140	1123	1178	1120	981	1004	11551	

(\* < 0.05%)

STATION: SGNW3

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	0.9	*	*	-	-	*	-	*	*	*	*	*	*	1.1	138
1 - 3		0.5	0.4	0.4	0.4	0.4	0.3	0.5	0.7	0.7	0.8	0.5	0.4	5.9	748
4 - 6		1.2	1.0	0.6	0.5	0.6	0.6	1.2	2.0	2.0	1.9	1.2	0.7	13.6	1707
7 - 10		1.8	1.0	1.0	0.6	0.6	1.5	2.9	3.4	3.5	5.1	3.4	2.1	26.9	3388
11 - 15		2.0	1.4	1.0	0.7	0.8	1.8	5.8	3.0	2.8	4.0	3.0	2.1	28.5	3591
16 - 20		1.6	0.9	0.4	0.3	0.6	0.9	5.1	1.4	1.0	1.4	1.2	1.1	16.0	2012
21 - 24		0.8	0.6	0.1	0.1	0.2	0.4	1.7	0.3	0.3	0.3	0.3	0.2	5.4	674
25 - 33		0.5	0.5	0.2	0.1	0.2	0.2	0.6	*	0.1	0.1	0.1	*	2.6	328
34 - 47		-	*	-	-	*	*	-	-	*	-	-	-	0.0	5
> 48		*	-	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.9	8.4	5.9	3.6	2.7	3.4	5.9	17.9	10.8	10.4	13.6	9.7	6.8	100.0	
TOTAL N	112	1062	739	455	345	433	739	2249	1365	1308	1713	1219	853	12592	

(\* < 0.05%)

STATION: SGNW3

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	0.6	-	*	*	-	*	*	-	*	*	*	0.7	92	
1 - 3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.6	0.5	0.5	0.5	0.4	3.8	477
4 - 6	0.5	0.3	0.3	0.2	0.3	0.4	0.7	1.7	1.8	2.2	1.9	1.3	11.6	1466	
7 - 10	1.5	0.7	0.6	0.5	0.2	0.7	2.0	3.6	3.6	4.2	4.5	3.9	26.0	3295	
11 - 15	2.0	0.7	1.0	0.7	0.5	1.2	4.3	3.5	3.1	3.8	4.5	3.7	28.8	3654	
16 - 20	1.4	0.6	0.8	0.7	0.8	1.0	3.7	1.7	1.5	1.9	1.6	1.5	17.3	2190	
21 - 24	0.8	0.4	0.5	0.3	0.6	0.7	1.2	0.6	0.6	0.7	0.4	0.2	7.1	901	
25 - 33	0.5	0.5	0.3	0.3	0.4	0.6	0.7	0.1	0.4	0.2	0.1	0.1	4.2	537	
34 - 47	0.1	0.1	*	*	*	*	*	0.1	*	*	-	-	0.5	65	
> 48	-	-	-	-	-	-	-	*	-	-	-	-	0.0	1	
TOTAL %	0.6	7.0	3.6	3.6	2.7	3.1	4.8	13.0	11.8	11.6	13.5	13.5	11.1	100.0	
TOTAL N	82	886	460	457	345	392	604	1643	1500	1470	1715	1713	1411	12678	

(\* < 0.05%)

STATION: SGNW3

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	0.5	-	*	-	*	*	*	*	*	*	*	*	*	0.7	86
1 - 3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.7	0.7	0.7	0.4	4.2	540
4 - 6	0.5	0.2	0.1	0.2	0.1	0.3	0.6	1.7	2.3	2.2	2.2	1.4	11.8	1525	
7 - 10	1.0	0.3	0.4	0.3	0.3	0.4	1.4	3.7	4.2	5.7	5.6	3.4	26.8	3459	
11 - 15	1.1	0.4	0.6	0.7	0.9	0.7	2.5	4.0	3.5	7.2	5.6	3.5	30.7	3966	
16 - 20	1.1	0.6	0.6	0.3	0.6	0.9	2.0	2.1	1.1	3.8	2.9	1.1	17.1	2206	
21 - 24	0.5	0.4	0.3	0.1	0.3	0.6	1.0	0.3	0.2	0.9	0.8	0.3	5.6	722	
25 - 33	0.3	0.2	0.1	0.1	0.3	0.3	0.8	*	0.1	0.3	0.1	0.2	2.8	360	
34 - 47	*	0.1	0.1	*	-	*	*	-	*	*	-	-	0.3	35	
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.5	4.8	2.4	2.4	1.8	2.5	3.4	8.7	12.4	12.1	20.8	17.9	10.4	100.0	
TOTAL N	66	620	308	309	230	322	437	1117	1597	1563	2680	2312	1338	12899	

(\* < 0.05%)

STATION: SGNW3

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	1.2	*	*	*	*	*	*	*	*	*	*	*	*	1.4	2008
1 - 3	0.5	0.6	0.5	0.5	0.5	0.6	0.7	0.8	0.7	0.7	0.7	0.6	0.5	7.0	10156
4 - 6	1.3	1.2	0.8	0.6	0.7	1.1	1.6	2.1	1.9	1.7	1.3	1.1	15.5	22568	
7 - 10	2.9	1.5	1.0	0.6	0.6	1.8	3.3	2.9	3.0	4.0	3.2	2.6	27.6	40228	
11 - 15	2.8	1.7	0.9	0.7	0.7	1.5	5.0	2.3	2.2	3.6	3.3	2.5	27.1	39601	
16 - 20	1.7	1.2	0.6	0.4	0.5	0.8	3.4	1.0	1.0	1.6	1.3	1.0	14.4	21081	
21 - 24	0.7	0.6	0.2	0.1	0.2	0.3	1.0	0.2	0.3	0.4	0.3	0.2	4.6	6783	
25 - 33	0.5	0.5	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	2.3	3290	
34 - 47	0.1	0.1	*	*	*	*	*	*	*	*	*	*	0.2	276	
> 48	*	-	-	-	-	-	-	*	-	-	-	-	0.0	3	
TOTAL %	1.2	10.5	7.3	4.1	3.0	3.3	6.2	15.4	9.4	9.2	12.1	10.1	8.1	100.0	
TOTAL N	1690	15393	10606	5977	4401	4787	9102	22553	13678	13443	17716	14805	11843	145994	

(\* < 0.05%)

STATION: SGNW3

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	0.6	*	*	*	*	*	*	*	*	*	*	*	*	0.7	266
1 - 3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7	0.7	0.5	4.4	1665	
4 - 6	0.7	0.3	0.2	0.2	0.2	0.3	0.6	1.6	2.2	2.1	2.0	1.3	11.6	4361	
7 - 10	1.1	0.6	0.5	0.4	0.4	0.5	1.4	3.4	3.9	5.4	4.8	3.3	25.7	9684	
11 - 15	1.4	0.8	0.7	0.8	0.9	0.7	2.4	3.7	3.2	6.4	5.7	3.8	30.3	11426	
16 - 20	1.6	0.7	0.9	0.6	0.7	0.9	2.1	2.0	1.1	3.2	2.5	1.6	18.1	6814	
21 - 24	0.8	0.5	0.5	0.2	0.3	0.4	0.9	0.3	0.3	0.7	0.6	0.5	6.0	2269	
25 - 33	0.5	0.5	0.2	0.1	0.2	0.2	0.6	0.1	0.1	0.2	0.1	0.2	2.8	1067	
34 - 47	0.1	0.1	0.1	*	-	*	*	-	*	*	-	*	0.3	96	
> 48	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.6	6.6	3.7	3.1	2.5	2.7	3.3	8.2	11.5	11.5	18.8	16.2	11.2	100.0	
TOTAL N	217	2473	1409	1170	940	1019	1235	3095	4326	4347	7077	6117	4223	37648	

(\* < 0.05%)

STATION: SGNW3

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	1.3	*	*	*	*	*	*	*	*	*	*	*	*	*	1.6	568
1 - 3		0.7	0.9	0.7	0.6	0.6	0.7	0.7	0.7	0.5	0.4	0.4	0.5	7.5	2684	
4 - 6		1.8	1.8	1.1	0.7	0.9	1.4	2.0	1.8	1.3	1.0	0.9	0.8	15.5	5520	
7 - 10		4.2	2.5	1.4	0.8	0.7	2.0	3.9	1.8	1.7	2.3	2.2	2.0	25.5	9114	
11 - 15		4.7	2.9	1.0	0.7	0.6	1.7	5.4	1.1	1.3	2.5	2.2	2.0	26.1	9313	
16 - 20		2.5	2.0	0.7	0.5	0.5	0.8	3.7	0.5	0.9	1.2	1.2	1.0	15.2	5421	
21 - 24		1.0	1.1	0.2	0.2	0.2	0.2	1.0	0.2	0.4	0.3	0.3	0.2	5.4	1914	
25 - 33		0.8	0.9	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	3.0	1053	
34 - 47		0.1	0.1	-	*	*	-	-	*	*	*	*	*	0.3	101	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	1.3	15.8	12.2	5.1	3.6	3.5	7.0	17.0	6.3	6.3	7.9	7.3	6.7	100.0		
TOTAL N	459	5622	4371	1833	1284	1265	2497	6059	2239	2258	2820	2601	2380		35688	

(\* < 0.05%)

STATION: SGNW3

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	1.9	*	*	*	*	*	*	*	*	*	*	*	*	2.2	786
1 - 3		0.8	0.8	0.8	0.8	0.8	1.0	1.3	1.2	0.9	0.9	0.6	0.6	10.5	3772
4 - 6		2.1	1.9	1.2	0.9	1.1	2.0	2.8	3.0	1.9	1.5	0.9	1.1	20.4	7325
7 - 10		4.5	2.1	1.2	0.7	0.9	3.2	5.1	2.8	2.8	3.8	2.3	2.1	31.6	11317
11 - 15		3.1	1.9	0.9	0.5	0.5	1.8	6.9	1.3	1.6	2.2	1.8	1.4	23.8	8517
16 - 20		1.0	1.1	0.3	0.2	0.2	0.5	3.6	0.3	0.6	0.6	0.4	0.2	9.1	3259
21 - 24		0.2	0.3	0.1	*	0.1	*	0.7	0.1	0.2	0.1	0.1	*	1.9	676
25 - 33		0.1	0.1	*	*	*	-	0.1	*	0.1	*	*	*	0.5	181
34 - 47		*	-	-	-	-	-	*	-	-	-	-	*	0.0	4
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.9	11.9	8.3	4.6	3.2	3.6	8.5	20.6	8.7	8.0	9.1	6.1	5.5	100.0	
TOTAL N	688	4265	2961	1636	1150	1285	3061	7367	3125	2882	3271	2174	1972		35837

(\* < 0.05%)

STATION: SGNW3

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	0.9	*	*	*	*	*	*	*	*	*	*	*	*	1.1	388
1 - 3		0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.7	0.6	0.5	0.4	5.5	2035
4 - 6		0.9	0.8	0.6	0.5	0.6	0.8	1.2	2.2	2.2	2.1	1.6	1.2	14.6	5362
7 - 10		2.0	1.0	0.9	0.6	0.6	1.6	3.0	3.3	3.4	4.4	3.6	3.0	27.5	10113
11 - 15		2.2	1.2	0.9	0.7	0.7	1.8	5.6	2.9	2.7	3.3	3.4	2.8	28.1	10345
16 - 20		1.5	0.8	0.5	0.4	0.6	0.9	4.3	1.3	1.1	1.3	1.2	1.2	15.2	5587
21 - 24		0.7	0.5	0.2	0.1	0.3	0.5	1.3	0.3	0.4	0.4	0.3	0.2	5.2	1924
25 - 33		0.4	0.4	0.1	0.1	0.2	0.3	0.5	0.1	0.2	0.1	0.1	0.1	2.7	989
34 - 47		0.1	*	*	*	*	*	*	*	*	*	-	-	0.2	75
> 48		*	-	-	-	-	-	-	*	-	-	-	-	0.0	3
TOTAL %	0.9	8.2	5.1	3.6	2.8	3.3	6.3	16.4	10.8	10.7	12.4	10.6	8.9	100.0	
TOTAL N	326	3033	1865	1338	1027	1218	2309	6032	3988	3956	4548	3913	3268		36821

(\* < 0.05%)

Summary complete: 09-Sep-2003 03:30:32