









Summary statistics table for station IOSN3, including values for MEAN, S.D., TOTAL, and MAX across various months and years.

STATION: IOSN3

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

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

ELEMENT: PEAK WIND GUST (KNOTS) -- POR: (9/1984 - 12/2001) (145638 RECORDS, 97.6% HAVE ELEMENT)

Main data table showing monthly and annual peak wind gust frequencies for station IOSN3 from 1984 to 2001, including cumulative percentages.



19	181	432	169	485	222	487	185	644	216	684	192	764	200	773	210	846	256	737	261	602	208	523	211	503	2511	625	
18	149	382	136	441	158	428	170	592	168	624	185	714	188	722	194	798	215	677	207	543	200	474	190	455	2160	573	
17	129	342	136	405	148	385	169	543	167	578	198	666	205	674	184	754	222	627	205	497	153	428	185	412	2101	528	
16	134	307	159	370	175	345	181	495	193	533	241	614	244	622	242	712	261	575	237	450	182	392	193	370	2442	484	
15	117	270	164	328	134	298	179	444	161	480	228	552	203	559	260	658	234	515	221	397	166	350	161	327	2228	433	
14	119	238	130	285	142	262	168	393	158	435	201	492	185	507	264	599	203	460	229	347	171	311	178	290	2148	387	
13	132	206	149	252	140	224	159	345	179	392	203	440	209	460	251	539	258	413	222	295	182	271	188	250	2272	342	
12	144	170	156	213	177	186	218	300	243	343	260	387	298	407	377	482	285	353	230	245	210	229	181	207	2779	295	
11	104	131	145	172	126	139	167	238	154	276	206	319	224	331	304	397	222	286	167	193	157	180	153	167	2129	237	
10	83	102	106	134	78	105	154	191	155	234	178	266	205	273	264	328	185	234	160	156	130	143	114	132	1812	192	
9	68	80	102	107	86	84	145	147	150	191	163	219	222	221	286	268	215	191	136	120	127	113	130	106	1830	155	
8	67	61	88	80	62	61	107	106	136	150	169	177	190	164	262	204	168	141	127	89	106	83	105	77	1587	117	
7	51	43	65	57	55	44	93	76	114	113	143	133	170	116	198	144	115	102	86	60	78	58	83	53	1251	84	
6	43	29	74	40	44	29	83	49	118	82	134	96	115	72	176	99	135	75	65	41	65	40	76	34	1128	57	
5	26	17	45	21	44	17	54	26	102	49	111	61	98	43	154	60	108	44	74	26	72	25	51	17	939	34	
4	20	10	22	9	16	6	29	10	55	21	58	32	45	18	70	25	50	19	24	9	25	8	18	5	432	14	
3	9	5	8	3	4	1	6	2	13	6	38	17	16	6	33	9	20	7	16	4	9	2	3	1	175	5	
2	8	2	5	1	1	*	1	*	8	3	18	7	6	2	6	1	8	2	1	*	1	*	3	1	66	2	
1	1	*	-	-	-	-	-	-	1	1	7	2	2	1	-	-	1	*	1	*	-	-	-	-	13	*	
0	-	-	-	-	-	-	-	-	1	*	1	*	-	-	-	-	1	*	-	-	-	-	-	-	4	*	
MEAN	22.0		20.6		21.1		17.9		16.5		15.1		14.8		13.5		15.8		18.4		19.5		20.6		17.9		
S.D.	9.5		9.3		9.7		8.6		7.5		6.9		6.3		5.8		7.2		8.2		8.3		9.4		8.6		
TOTAL	3672		3836		3717		3521		3645		3840		3914		4417		4291		4432		4287		4420		47992		
MAX	57.3		55.2		67.5		63.0		47.8		47.6		50.5		45.9		63.8		59.1		64.5		61.6		67.5		
DATE	1997011716	2001020604	2001033100	1997040104	1997051621	2000060705	1999070622	1997082203	1998090710	1996100909	1997110204	2000121802	2001033100														
MIN	1.2	1.9	1.9	2.1	0.0	0.4	0.0	2.3	0.4	1.2	1.9	1.6	0.0														
DATE	2001011611	1996021603	1997031121	1997042212	1997052916	1998062104	1998070315	1998080509	1998090212	1996101312	2001111321	1996122907	1998070315														
(* < 0.05% , # = 100.0%)																											

ELEMENT SUMMARY FOR STATION: IOSN3

(A) TOTAL STDNET RECORDS READ = 149260  
 (B) TOTAL CWIND RECORDS READ = 291717  
 (C) TOTAL RECORDS USED IN STATS = 440977

	AIR TMP	SEA TMP	AIR-SEA	DEWPT	SLP	AVWS	PKGS-8M	PKGS-5S	SIGWVHT	AVWVPD	DWVPD	VSBY
(D) ELEMENT RECORDS AVAILABLE	148377	0	0	3826	147715	146095	145638	47992	0	0	0	0
(E) ELEMENT OUT OF RANGE	883	149260	149260	145434	1545	3165	3622	243725	149260	149260	149260	149260

STATION: IOSN3 -- POR (9/1984 - 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
1984	MEAN	-	-	-	-	-	-	-	-	13.3	11.6	6.3	3.0	7.7
	MAXIMUM	-	-	-	-	-	-	-	-	24.2	23.0	16.3	19.2	24.2
	DAY-HR	-	-	-	-	-	-	-	-	23-22	22-20	02-14	29-22	SEP
	MINIMUM	-	-	-	-	-	-	-	-	6.3	2.0	-3.7	-12.0	-12.0
	DAY-HR	-	-	-	-	-	-	-	-	27-11	06-12	20-12	27-11	DEC
	# OBS	-	-	-	-	-	-	-	-	299	741	718	738	2496
1985	MEAN	-5.0	-0.6	2.3	6.3	11.1	14.6	18.9	18.3	16.2	11.6	6.4	-0.7	8.3
	MAXIMUM	5.1	13.2	15.9	23.9	26.1	24.8	28.7	27.3	27.2	20.3	19.5	11.6	28.7
	DAY-HR	01-20	25-08	28-17	30-23	10-23	10-23	20-20	15-16	20-22	10-20	20-19	02-17	JUL
	MINIMUM	-14.6	-14.2	-8.5	-3.2	3.8	9.1	11.5	11.4	8.7	1.7	-2.3	-14.7	-14.7
	DAY-HR	16-13	08-14	04-12	10-10	09-11	07-09	01-01	31-13	12-12	29-12	26-12	19-13	DEC
	# OBS	738	670	739	717	737	718	740	743	717	744	718	743	8724
1986	MEAN	-1.0	-2.5	2.4	6.6	10.5	15.0	17.7	18.0	14.7	11.0	5.4	1.8	8.4
	MAXIMUM	12.5	3.9	15.2	14.5	24.8	25.9	32.1	25.5	25.7	25.0	20.1	12.2	32.1
	DAY-HR	18-21	22-21	31-19	02-17	30-00	29-22	07-22	04-23	30-20	01-01	09-19	03-19	JUL
	MINIMUM	-18.2	-11.4	-13.9	1.9	1.5	6.2	10.9	8.7	6.8	3.3	-7.4	-7.8	-18.2
	DAY-HR	15-13	26-13	08-12	12-10	04-11	03-11	04-09	29-11	16-14	31-12	14-10	14-02	JAN
	# OBS	739	670	738	718	740	715	741	731	595	741	716	619	8463
1987	MEAN	-1.6	-2.6	2.0	5.4	11.5	16.6	18.9	18.4	15.7	10.4	5.7	1.6	8.6
	MAXIMUM	8.1	6.0	10.8	14.6	28.9	28.5	31.4	30.2	25.7	17.1	21.3	11.0	31.4
	DAY-HR	23-06	28-21	27-18	10-21	30-18	20-00	24-23	18-22	09-22	10-20	04-20	10-18	JUL
	MINIMUM	-11.2	-18.8	-11.8	-0.9	4.7	10.5	13.5	11.2	8.2	3.7	-9.3	-16.3	-18.8
	DAY-HR	24-10	15-10	10-13	02-11	06-05	07-10	03-22	24-10	26-11	26-13	22-00	30-11	FEB
	# OBS	667	664	741	720	740	720	742	744	681	722	714	744	8599
1988	MEAN	-2.4	-0.6	1.9	5.9	11.0	16.6	19.5	20.6	15.6	9.3	7.0	-0.1	8.7
	MAXIMUM	10.7	12.5	15.2	12.3	24.6	32.3	30.7	30.7	24.0	21.4	14.0	12.3	32.3
	DAY-HR	31-21	01-22	24-18	05-06	29-02	15-23	11-22	13-22	10-21	01-21	28-12	21-20	JUN
	MINIMUM	-20.9	-13.0	-13.4	0.9	4.2	7.9	8.8	11.8	7.8	0.1	-1.3	-15.7	-20.9
	DAY-HR	14-13	07-14	21-13	13-14	03-13	02-11	01-09	23-11	29-11	31-12	24-12	12-06	JAN
	# OBS	743	695	744	717	727	718	740	743	716	743	719	741	8746

1989	MEAN	0.1	-1.9	1.1	5.0	11.5	16.0	19.2	18.9	15.9	11.2	5.4	-6.5	8.0
	MAXIMUM	9.1	17.1	22.5	11.8	22.1	27.2	29.5	26.8	25.2	20.4	18.0	5.7	29.5
	DAY-HR	29-21	01-21	29-00	27-21	30-19	28-02	27-23	16-21	11-19	13-22	14-19	07-03	JUL
	MINIMUM	-16.6	-13.6	-16.1	-1.5	6.2	10.4	14.6	11.7	6.3	4.1	-7.4	-16.3	-16.6
	DAY-HR	05-04	17-13	07-13	23-11	01-09	16-11	18-13	27-11	27-12	18-19	30-06	22-12	JAN
	# OBS	742	669	741	716	729	717	737	737	718	742	713	737	8698
1990	MEAN	1.5	-0.4	2.1	6.4	9.7	15.4	19.6	20.4	15.8	12.5	7.3	3.4	9.6
	MAXIMUM	13.8	14.6	14.9	26.2	23.7	26.6	30.1	30.0	24.8	23.1	21.6	16.8	30.1
	DAY-HR	18-20	23-20	13-18	27-19	09-21	01-21	04-23	03-22	02-21	06-22	03-22	23-23	JUL
	MINIMUM	-11.4	-16.0	-9.2	-1.1	4.7	9.0	13.8	13.6	7.6	2.3	-3.9	-6.6	-16.0
	DAY-HR	14-14	26-12	05-12	07-14	06-01	05-11	07-10	22-12	18-12	27-12	13-11	27-14	FEB
	# OBS	742	671	736	711	742	713	739	742	718	740	718	705	8677
1991	MEAN	-1.7	0.7	3.1	7.4	13.8	17.5	19.9	20.1	15.7	11.8	6.6	1.4	9.9
	MAXIMUM	7.6	14.7	19.3	21.6	28.9	30.6	31.1	30.1	28.0	20.4	18.6	17.1	31.1
	DAY-HR	17-02	05-20	28-19	07-01	24-19	29-00	23-22	28-22	17-21	26-23	19-22	01-08	JUL
	MINIMUM	-13.7	-14.3	-5.9	0.7	6.6	9.9	12.4	12.8	4.7	2.1	-2.4	-10.8	-14.3
	DAY-HR	25-14	12-13	09-12	02-12	18-09	04-19	01-10	26-09	30-12	29-11	27-13	25-10	FEB
	# OBS	699	642	704	690	741	718	742	742	717	743	719	699	8556
1992	MEAN	-1.8	-1.7	1.3	4.9	10.1	16.1	17.8	18.1	15.2	9.7	5.0	0.9	8.5
	MAXIMUM	9.9	7.8	13.4	16.5	26.9	27.5	26.7	27.1	25.3	21.8	13.7	8.1	27.5
	DAY-HR	24-09	17-22	05-22	22-00	24-01	13-21	18-20	11-20	17-23	03-18	22-22	01-20	JUN
	MINIMUM	-16.4	-15.3	-14.4	-1.7	3.8	8.6	11.4	13.0	5.8	2.5	-2.0	-13.3	-16.4
	DAY-HR	17-08	12-14	01-06	13-12	06-12	01-19	05-12	21-12	30-23	01-09	09-11	25-05	JAN
	# OBS	709	568	370	717	741	718	741	741	716	618	687	741	8067
1993	MEAN	-1.4	-4.6	0.3	5.6	11.8	16.2	19.4	19.4	15.3	9.7	6.4	0.9	8.3
	MAXIMUM	13.4	6.0	9.3	18.7	24.5	27.7	31.8	30.5	27.6	20.2	18.2	10.1	31.8
	DAY-HR	05-19	10-22	26-22	19-20	26-00	26-21	10-22	28-21	15-21	07-20	14-22	03-20	JUL
	MINIMUM	-15.6	-15.0	-13.3	-1.0	6.3	8.2	14.1	13.9	6.6	2.3	-7.8	-16.4	-16.4
	DAY-HR	31-05	06-16	15-12	03-11	04-04	06-18	26-09	22-11	30-11	11-12	25-10	27-13	DEC
	# OBS	733	671	734	716	744	716	741	738	718	743	709	741	8704
1994	MEAN	-6.2	-3.9	1.4	7.2	10.2	16.8	20.4	18.7	15.4	11.4	8.2	2.8	8.6
	MAXIMUM	8.2	15.6	15.7	22.0	19.8	27.3	29.1	26.4	24.4	19.1	23.1	15.6	29.1
	DAY-HR	29-00	20-19	23-22	25-00	31-18	19-15	13-23	02-18	13-21	30-20	05-20	04-20	JUL
	MINIMUM	-21.4	-14.9	-9.1	0.0	5.3	8.6	13.4	10.4	5.1	-5.4	-12.6	-21.4	-21.4
	DAY-HR	16-14	10-13	01-12	02-10	03-11	03-06	04-10	24-06	05-19	16-12	24-02	30-12	JAN
	# OBS	742	654	742	716	740	713	737	739	711	733	715	743	8685
1995	MEAN	0.3	-2.6	2.2	5.3	10.3	17.4	20.1	19.6	15.5	12.8	5.0	-1.3	8.8
	MAXIMUM	13.2	8.8	11.9	15.7	27.7	33.1	29.8	29.6	26.8	24.8	14.5	8.8	33.1
	DAY-HR	16-11	20-01	08-19	20-22	31-22	19-22	14-21	02-01	01-19	12-21	28-18	10-05	JUN
	MINIMUM	-11.5	-19.6	-7.4	-8.3	3.6	11.4	14.1	13.2	9.3	2.5	-4.6	-8.6	-19.6
	DAY-HR	28-07	07-12	10-13	05-12	07-10	06-13	18-11	29-10	30-12	30-12	30-14	12-12	FEB
	# OBS	740	662	730	714	744	713	731	739	713	736	713	740	8675
1996	MEAN	-2.4	-2.3	0.5	6.2	11.2	16.4	18.0	18.4	15.6	10.4	4.1	3.3	8.4
	MAXIMUM	10.2	10.5	11.4	22.7	29.7	25.7	28.5	25.8	25.6	18.0	13.8	11.3	29.7
	DAY-HR	17-23	27-21	26-20	21-19	20-22	15-20	17-22	31-22	03-20	14-18	09-04	25-01	MAY
	MINIMUM	-17.0	-16.7	-10.9	-1.0	3.1	11.6	12.8	14.3	9.0	2.3	-5.5	-10.0	-17.0
	DAY-HR	06-06	13-12	09-12	04-12	06-14	10-11	24-06	29-11	26-12	15-12	28-12	31-23	JAN
	# OBS	737	686	716	733	734	636	824	786	715	735	689	741	8732
1997	MEAN	-2.4	0.9	0.9	5.5	10.0	16.5	19.1	18.8	15.6	10.6	4.6	1.6	8.5
	MAXIMUM	8.2	13.2	12.7	15.6	18.1	30.3	29.5	30.4	23.9	25.5	14.5	9.3	30.4
	DAY-HR	16-20	22-22	30-18	26-22	14-22	11-23	17-23	16-21	20-21	06-20	03-02	17-19	AUG
	MINIMUM	-18.9	-10.9	-10.6	-4.7	3.7	8.7	13.2	13.8	6.5	2.4	-5.6	-9.1	-18.9
	DAY-HR	19-10	25-13	13-12	09-15	07-14	04-10	25-10	20-11	24-12	23-12	25-11	15-13	JAN
	# OBS	731	655	735	708	733	711	728	739	717	736	703	739	8635
1998	MEAN	0.1	1.4	2.6	7.1	12.3	14.2	19.7	18.8	16.7	11.2	6.3	3.3	9.6
	MAXIMUM	13.0	9.5	22.9	17.2	25.6	21.7	30.4	27.1	27.4	22.2	12.6	19.7	30.4
	DAY-HR	03-22	12-22	27-22	01-00	29-19	26-07	22-20	24-21	06-23	18-21	15-18	07-19	JUL
	MINIMUM	-15.1	-13.0	-13.5	1.2	4.9	7.9	14.2	12.8	8.4	4.8	0.6	-14.1	-15.1
	DAY-HR	01-12	15-12	13-10	05-10	13-11	04-10	26-09	19-11	24-12	22-12	22-13	31-12	JAN
	# OBS	719	668	717	690	713	688	736	788	712	737	718	740	8626
1999	MEAN	-1.6	0.4	2.3	7.2	11.5	17.9	20.3	18.8	17.6	10.7	7.8	2.2	9.7
	MAXIMUM	11.3	9.8	19.0	18.4	22.7	29.7	32.6	31.0	24.2	19.0	19.3	11.3	32.6
	DAY-HR	24-20	13-02	31-23	08-20	31-15	08-01	17-22	01-23	03-18	09-22	10-20	06-17	JUL
	MINIMUM	-18.0	-12.4	-10.5	0.8	6.5	10.7	13.2	12.3	10.4	3.0	0.0	-11.2	-18.0
	DAY-HR	02-09	23-08	08-12	05-09	14-08	12-11	14-09	10-11	23-10	07-12	17-13	25-13	JAN
	# OBS	741	659	716	720	742	720	743	740	717	742	717	743	8700
2000	MEAN	-3.0	-0.0	4.1	6.2	10.9	16.2	18.3	19.2	16.1	11.1	6.4	-1.1	8.6
	MAXIMUM	14.9	14.0	15.3	16.4	28.2	26.5	26.4	27.9	28.3	24.5	15.4	12.2	28.3
	DAY-HR	03-18	24-18	16-21	15-19	07-23	17-18	10-20	08-20	01-23	14-22	02-23	18-00	SEP
	MINIMUM	-17.2	-11.7	-7.3	0.4	5.4	8.0	12.1	13.7	5.3	1.1	-6.9	-12.8	-17.2
	DAY-HR	17-12	08-13	18-13	10-00	11-09	07-08	08-10	21-10	29-09	29-19	24-13	26-09	JAN
	# OBS	742	692	741	711	738	720	614	743	717	739	718	743	8618



2001	MEAN	-1.0	-0.7	1.3	6.4	12.7	17.1	19.3	20.1	16.4	12.1	7.9	4.3	8.9
	MAXIMUM	4.9	10.2	9.2	24.9	30.3	27.0	30.7	31.9	24.0	24.3	17.1	20.5	31.9
	DAY-HR	30-22	21-00	15-20	22-22	03-22	20-20	25-21	07-23	08-19	04-23	16-18	06-20	AUG
	MINIMUM	-10.3	-12.8	-8.1	-0.1	5.0	8.6	12.5	14.2	9.8	3.0	0.4	-3.8	-12.8
	DAY-HR	10-13	22-12	01-14	02-13	07-10	01-10	28-10	30-10	30-13	31-10	21-13	31-13	FEB
	# OBS	744	671	737	717	723	478	296	690	712	744	720	744	7976
POR	MEAN	-1.7	-1.2	1.9	6.2	11.2	16.3	19.2	19.1	15.8	11.1	6.2	1.2	8.8
	MAXIMUM	14.9	17.1	22.9	26.2	30.3	33.1	32.6	31.9	28.3	25.5	23.1	20.5	33.1
	YEAR	2000	1989	1998	1990	2001	1995	1999	2001	2000	1997	1994	2001	JUN/1995
	MINIMUM	-21.4	-19.6	-16.1	-8.3	1.5	6.2	8.8	8.7	4.7	0.1	-9.3	-16.4	-21.4
	YEAR	1994	1995	1989	1995	1986	1986	1988	1986	1991	1988	1987	1993	JAN/1994
	# OBS	12408	11267	12081	12131	12508	11832	12072	12625	12309	13179	12824	13141	148377

STATION: IOSN3 -- POR (7/2001 - 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
2001	MEAN	-	-	-	-	-	-	13.4	16.3	12.0	6.0	2.9	-1.1	7.6
	MAXIMUM	-	-	-	-	-	-	21.2	21.5	19.4	16.0	13.4	12.9	21.5
	DAY-HR	-	-	-	-	-	-	25-05	11-05	01-10	24-15	03-18	01-05	AUG
	MINIMUM	-	-	-	-	-	-	5.5	7.7	4.1	-9.4	-9.0	-11.8	-11.8
	DAY-HR	-	-	-	-	-	-	27-10	25-05	29-21	30-20	12-22	31-19	DEC
	# OBS	-	-	-	-	-	-	293	688	692	732	707	714	3826
POR	MEAN	-	-	-	-	-	-	13.4	16.3	12.0	6.0	2.9	-1.1	7.6
	MAXIMUM	-	-	-	-	-	-	21.2	21.5	19.4	16.0	13.4	12.9	21.5
	YEAR	-	-	-	-	-	-	2001	2001	2001	2001	2001	2001	AUG/2001
	MINIMUM	-	-	-	-	-	-	5.5	7.7	4.1	-9.4	-9.0	-11.8	-11.8
	YEAR	-	-	-	-	-	-	2001	2001	2001	2001	2001	2001	DEC/2001
	# OBS	-	-	-	-	-	-	293	688	692	732	707	714	3826

STATION: IOSN3 -- POR (9/1984 - 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
1984	MEAN	-	-	-	-	-	-	-	-	1020.9	1020.2	1016.4	1019.2	1018.9
	MAXIMUM	-	-	-	-	-	-	-	-	1030.0	1033.6	1035.9	1042.4	1042.4
	DAY-HR	-	-	-	-	-	-	-	-	18-06	07-15	01-13	27-07	DEC
	MINIMUM	-	-	-	-	-	-	-	-	1006.2	1002.5	997.8	991.8	991.8
	DAY-HR	-	-	-	-	-	-	-	-	26-12	04-04	05-18	06-17	DEC
	# OBS	-	-	-	-	-	-	-	-	299	741	718	737	2495
1985	MEAN	1007.9	1017.2	1014.6	1014.6	1012.2	1011.3	1014.3	1017.7	1019.3	1020.3	1020.9	1014.2	1015.4
	MAXIMUM	1030.3	1034.5	1041.8	1035.5	1028.5	1024.0	1025.9	1024.1	1028.5	1035.6	1038.6	1029.4	1041.8
	DAY-HR	01-00	21-16	07-14	14-03	09-13	30-23	01-12	05-16	15-14	08-16	16-14	01-01	MAR
	MINIMUM	990.2	999.9	987.8	997.6	989.6	997.0	1003.5	1006.3	986.3	1001.9	999.3	986.1	986.1
	DAY-HR	22-18	08-21	12-22	17-00	18-17	01-16	22-20	01-10	27-21	05-23	06-19	02-18	DEC
	# OBS	735	670	739	717	739	718	740	743	717	744	718	743	8723
1986	MEAN	1014.2	1014.3	1016.2	1014.1	1014.8	1013.2	1014.5	1016.8	1019.2	1019.0	1021.2	1021.3	1016.4
	MAXIMUM	1041.9	1037.4	1038.8	1033.4	1028.2	1025.5	1024.5	1028.8	1029.4	1042.5	1042.1	1040.0	1042.5
	DAY-HR	25-04	01-16	25-12	05-17	15-12	03-13	24-13	30-14	17-15	31-16	01-01	02-02	OCT
	MINIMUM	985.1	993.6	986.9	991.2	1001.4	999.9	1001.1	1001.0	1001.5	1000.4	990.9	995.2	985.1
	DAY-HR	27-12	26-21	07-08	10-16	02-08	09-00	02-20	24-10	12-21	06-15	21-16	03-19	JAN
	# OBS	738	669	739	718	740	714	740	731	449	741	716	614	8309
1987	MEAN	1011.8	1014.3	1017.8	1015.4	1018.6	1013.7	1015.9	1016.8	1016.8	1018.5	1019.6	1013.1	1016.1
	MAXIMUM	1030.4	1035.1	1034.8	1028.7	1032.3	1025.3	1025.7	1025.3	1030.4	1033.1	1040.0	1030.3	1040.0
	DAY-HR	18-03	27-16	11-16	26-15	13-16	03-16	17-16	13-15	04-16	24-13	16-15	24-16	NOV
	MINIMUM	969.1	1000.2	997.2	990.9	1003.0	1003.3	1004.2	1005.5	999.7	992.2	995.8	989.4	969.1
	DAY-HR	23-08	02-18	02-06	30-07	01-00	15-08	26-22	23-03	30-22	04-17	30-23	16-10	JAN
	# OBS	665	664	741	720	740	720	742	743	680	724	715	744	8598
1988	MEAN	1021.5	1016.9	1015.3	1010.1	1016.8	1011.9	1015.8	1015.8	1018.0	1017.8	1015.2	1018.2	1016.1
	MAXIMUM	1039.2	1037.5	1035.7	1028.5	1027.3	1024.2	1028.3	1026.6	1033.7	1033.2	1033.9	1039.0	1039.2
	DAY-HR	29-16	11-16	23-14	01-15	08-15	24-16	05-15	23-14	29-16	07-14	13-07	23-04	JAN
	MINIMUM	988.6	986.1	996.4	994.0	1002.9	992.2	1003.2	1003.6	993.3	993.6	987.3	995.5	986.1
	DAY-HR	26-10	13-10	10-18	21-17	24-18	06-01	01-21	15-23	05-19	22-18	02-11	28-23	FEB

	# OBS	743	695	744	719	736	718	740	743	716	743	719	740	8756
1989	MEAN	1019.2	1021.3	1022.4	1015.3	1015.3	1016.4	1016.8	1015.3	1020.1	1018.9	1012.4	1015.0	1017.4
	MAXIMUM	1042.8	1044.1	1044.7	1030.4	1026.7	1026.6	1025.7	1028.9	1034.7	1032.4	1030.7	1034.3	1044.7
	DAY-HR	12-01	17-13	08-17	12-14	19-11	21-15	24-14	18-17	04-17	24-13	13-15	23-15	MAR
	MINIMUM	997.7	1000.7	999.4	995.3	999.7	1006.1	1001.2	999.4	1000.2	1002.6	971.8	988.4	971.8
	DAY-HR	21-02	27-08	29-07	07-04	02-21	04-18	10-23	05-20	23-10	03-19	21-10	03-20	NOV
	# OBS	742	669	741	716	729	716	736	737	718	742	713	737	8696
1990	MEAN	1014.6	1018.5	1022.6	1017.1	1014.2	1013.8	1016.4	1017.9	1016.9	1016.8	1014.2	1019.4	1016.9
	MAXIMUM	1032.3	1043.8	1045.0	1038.9	1030.2	1023.5	1026.9	1029.6	1032.6	1030.5	1030.9	1047.0	1047.0
	DAY-HR	15-08	27-04	07-15	19-15	03-15	13-12	27-16	20-17	04-14	21-14	27-07	28-00	DEC
	MINIMUM	989.4	994.5	1001.5	988.3	994.3	999.5	999.5	1001.7	996.8	994.5	980.9	992.4	980.9
	DAY-HR	30-11	10-18	18-02	04-17	11-08	04-17	05-06	29-09	15-20	19-09	11-03	24-14	NOV
	# OBS	741	671	737	711	742	713	739	742	718	739	719	702	8674
1991	MEAN	1020.2	1015.6	1011.3	1018.3	1017.0	1014.6	1014.6	1015.8	1019.7	1019.8	1019.3	1017.2	1017.0
	MAXIMUM	1045.8	1041.2	1031.7	1037.2	1034.4	1024.2	1024.9	1035.9	1033.8	1035.6	1034.3	1037.2	1045.8
	DAY-HR	08-15	02-02	31-15	13-05	19-13	25-13	16-14	25-15	30-13	29-12	09-15	31-15	JAN
	MINIMUM	994.5	982.0	988.8	990.1	1001.3	1003.3	1000.9	975.3	1001.5	996.2	999.8	993.6	975.3
	DAY-HR	17-09	14-21	07-18	22-00	12-20	12-20	08-21	19-21	26-18	12-10	25-03	04-09	AUG
	# OBS	696	637	700	687	741	718	744	742	717	743	719	701	8545
1992	MEAN	1012.8	1013.7	1014.7	1015.7	1019.8	1012.0	1013.1	1018.6	1020.9	1016.4	1020.7	1018.6	1016.6
	MAXIMUM	1035.5	1037.5	1035.8	1032.2	1035.7	1024.9	1024.4	1029.2	1035.9	1032.7	1040.1	1044.8	1044.8
	DAY-HR	27-14	10-16	07-01	13-15	07-13	17-16	23-13	23-15	25-15	23-02	20-15	27-15	DEC
	MINIMUM	975.9	987.5	993.0	992.2	998.5	1002.1	998.7	1003.6	1004.4	998.1	995.4	998.3	975.9
	DAY-HR	15-03	29-08	29-03	03-16	03-18	25-08	13-14	29-09	19-10	26-08	13-11	05-19	JAN
	# OBS	704	564	364	720	741	719	550	433	716	624	686	741	7562
1993	MEAN	1020.7	1016.7	1017.4	1014.8	1013.8	1013.6	1013.0	1016.7	1015.8	1017.0	1019.2	1014.0	1016.0
	MAXIMUM	1040.8	1035.8	1043.7	1031.9	1036.1	1025.0	1023.6	1027.5	1027.1	1031.3	1038.1	1045.1	1045.1
	DAY-HR	10-16	12-05	19-14	28-15	03-13	12-17	26-05	09-15	17-04	26-14	27-14	01-14	DEC
	MINIMUM	997.2	982.2	964.8	986.3	998.4	998.8	1004.9	1004.1	999.6	998.6	994.3	979.5	964.8
	DAY-HR	31-20	13-18	14-11	23-10	13-05	22-18	30-22	21-04	28-07	28-09	20-10	21-22	MAR
	# OBS	732	671	732	716	743	717	742	737	718	743	711	741	8703
1994	MEAN	1019.0	1019.0	1010.6	1015.4	1011.4	1012.6	1015.4	1015.6	1014.6	1017.3	1016.0	1020.2	1015.6
	MAXIMUM	1043.7	1037.2	1033.3	1031.6	1027.6	1024.9	1024.7	1026.9	1028.2	1035.0	1036.6	1037.7	1043.7
	DAY-HR	27-15	11-06	12-15	09-11	04-12	16-11	04-16	24-15	04-13	12-14	27-15	14-15	JAN
	MINIMUM	989.7	990.5	983.5	997.6	995.7	1000.4	1006.8	1002.2	999.5	1006.6	987.5	999.2	983.5
	DAY-HR	04-19	24-20	04-09	24-21	27-07	07-19	26-22	29-07	29-21	22-08	02-11	11-11	MAR
	# OBS	741	653	742	717	738	713	737	739	710	733	715	743	8681
1995	MEAN	1014.1	1011.4	1018.0	1012.7	1012.9	1015.0	1013.0	1015.3	1018.5	1014.9	1015.3	1012.6	1014.5
	MAXIMUM	1036.8	1038.4	1039.5	1034.0	1029.9	1029.8	1023.9	1025.9	1032.4	1028.4	1031.8	1034.0	1039.5
	DAY-HR	11-15	27-10	12-17	11-14	28-14	27-17	05-13	03-13	29-16	20-13	10-13	14-08	MAR
	MINIMUM	992.4	968.9	992.7	993.7	1000.6	996.6	1003.8	1002.1	1003.0	994.5	988.9	984.7	968.9
	DAY-HR	07-13	05-06	21-23	04-21	19-07	08-00	15-15	12-21	01-10	15-06	12-11	21-17	FEB
	# OBS	740	660	728	714	744	713	737	739	713	736	713	740	8677
1996	MEAN	1016.8	1010.9	1014.6	1010.6	1015.0	1015.4	1010.6	1018.0	1013.8	1016.8	1019.5	1018.0	1015.0
	MAXIMUM	1039.8	1034.3	1043.1	1026.1	1030.6	1027.9	1025.7	1027.4	1031.6	1039.7	1042.5	1033.8	1043.1
	DAY-HR	26-15	20-15	10-16	29-14	07-13	02-13	29-15	20-13	27-16	05-15	15-23	26-15	MAR
	MINIMUM	991.4	989.0	995.2	987.6	993.2	1004.1	991.0	1011.5	997.9	987.9	1001.1	984.4	984.4
	DAY-HR	13-07	12-05	16-05	10-19	12-08	23-08	20-01	25-23	18-18	09-08	26-18	08-11	DEC
	# OBS	736	681	714	732	734	637	824	786	715	735	689	741	8724
1997	MEAN	1013.4	1018.5	1014.4	1010.1	1010.0	1013.6	1012.9	1014.3	1013.4	1016.9	1012.8	1008.3	1013.2
	MAXIMUM	1040.7	1037.7	1037.1	1025.1	1028.5	1024.5	1025.4	1022.1	1024.5	1028.9	1032.4	1030.2	1040.7
	DAY-HR	27-15	04-15	09-14	05-15	29-13	07-03	24-14	12-15	22-14	12-13	06-13	22-15	JAN
	MINIMUM	984.3	993.0	982.0	985.6	993.7	998.2	998.2	1003.7	984.6	992.5	989.4	974.8	974.8
	DAY-HR	10-18	22-20	06-19	19-02	16-15	14-07	04-18	22-02	29-19	01-00	27-10	30-17	DEC
	# OBS	731	655	735	708	733	711	728	739	717	736	703	739	8635
1998	MEAN	1018.2	1013.9	1015.0	1011.9	1011.7	1009.8	1011.8	1016.8	1011.2	1016.4	1015.0	1016.7	1014.1
	MAXIMUM	1037.1	1035.5	1035.9	1026.2	1025.4	1022.2	1020.8	1028.2	1023.5	1033.0	1032.0	1034.9	1037.1
	DAY-HR	23-12	16-14	17-14	12-15	13-15	22-15	06-16	08-15	24-14	06-15	10-14	23-15	JAN
	MINIMUM	996.3	987.3	992.2	994.8	996.4	994.8	993.6	1002.0	996.4	996.1	991.8	989.3	987.3
	DAY-HR	25-10	25-08	10-08	10-07	21-21	03-16	01-05	24-21	08-12	01-18	27-02	30-18	FEB
	# OBS	719	668	717	690	713	688	736	788	712	737	718	740	8626
1999	MEAN	1019.8	1015.7	1010.6	1011.6	1016.6	1016.6	1012.3	1013.0	1015.0	1017.4	1015.9	1015.3	1015.0
	MAXIMUM	1043.6	1037.2	1029.7	1027.2	1029.1	1029.4	1025.9	1026.1	1028.4	1032.8	1031.9	1033.0	1043.6
	DAY-HR	31-15	01-00	06-09	30-14	16-14	20-13	12-16	31-15	27-14	30-14	12-04	20-03	JAN
	MINIMUM	996.8	1000.6	984.4	996.1	1000.4	998.9	1001.1	999.2	985.7	988.4	988.7	995.4	984.4
	DAY-HR	04-02	13-04	01-14	08-20	25-03	29-20	10-20	08-22	17-12	23-15	16-17	27-06	MAR
	# OBS	741	660	716	720	742	720	743	740	717	742	717	743	8701
2000	MEAN	1013.6	1017.5	1014.5	1013.0	1013.3	1014.6	1012.8	1015.2	1015.5	1017.2	1012.1	1015.7	1014.6
	MAXIMUM	1037.9	1035.7	1038.5	1031.4	1027.8	1025.1	1027.7	1025.4	1032.7	1038.2	1032.6	1039.8	1039.8
	DAY-HR	06-15	18-13	18-16	13-15	03-15	14-15	26-15	29-14	06-16	23-14	25-15	14-01	DEC
	MINIMUM	984.5	996.3	983.4	986.1	995.5	1002.0	1000.6	1005.4	998.6	1004.1	996.8	979.8	979.8
	DAY-HR	11-03	14-19	28-19	09-20	25-19	22-22	10-21	16-21	15-17	03-19	15-07	18-04	DEC

	# OBS	742	692	741	711	738	720	614	743	719	738	714	743	8615
2001	MEAN	1013.7	1017.7	1010.6	1016.4	1015.8	1011.6	1016.6	1014.7	1016.5	1016.0	1018.9	1013.6	1015.2
	MAXIMUM	1030.8	1039.3	1032.5	1031.8	1034.9	1022.2	1025.2	1025.1	1024.4	1036.1	1032.3	1036.0	1039.3
	DAY-HR	23-01	12-15	20-15	29-14	07-13	19-13	28-15	01-16	20-02	09-13	17-16	12-14	FEB
	MINIMUM	992.7	987.1	986.2	999.3	1004.0	1003.0	1003.2	1006.5	1002.7	995.5	1002.6	987.6	986.2
	DAY-HR	31-00	06-06	06-10	18-14	12-21	03-21	24-23	07-21	01-09	25-21	20-11	18-17	MAR
	# OBS	744	671	737	717	744	478	296	688	712	744	720	744	7995
POR	MEAN	1016.0	1016.1	1015.4	1013.9	1014.7	1013.6	1014.0	1016.1	1016.8	1017.7	1016.9	1016.1	1015.6
	MAXIMUM	1045.8	1044.1	1045.0	1038.9	1036.1	1029.8	1028.3	1035.9	1035.9	1042.5	1042.5	1047.0	1047.0
	YEAR	1991	1989	1990	1990	1993	1995	1988	1991	1992	1986	1996	1990	DEC/1990
	MINIMUM	969.1	968.9	964.8	985.6	989.6	992.2	991.0	975.3	984.6	987.9	971.8	974.8	964.8
	YEAR	1987	1995	1993	1997	1985	1988	1996	1991	1997	1996	1989	1997	MAR/1993
	# OBS	12390	11250	12067	12133	12537	11833	11888	12313	12163	13185	12823	13133	147715

STATION: IOSN3 -- POR (9/1984 - 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
1984	MEAN	-	-	-	-	-	-	-	-	10.8	11.7	15.3	15.6	13.8
	MAXIMUM	-	-	-	-	-	-	-	-	27.0	42.0	33.0	38.1	42.0
	DAY-HR	-	-	-	-	-	-	-	-	27-02	02-15	29-15	22-10	OCT
	MINIMUM	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
	DAY-HR	-	-	-	-	-	-	-	-	30-02	31-22	27-09	31-22	DEC
	# OBS	-	-	-	-	-	-	-	-	299	742	718	738	2497
1985	MEAN	16.2	15.7	15.8	12.3	12.5	12.8	11.8	11.0	10.9	12.6	14.3	15.9	13.5
	MAXIMUM	39.1	52.1	35.0	36.2	31.1	32.1	38.1	36.2	55.0	32.1	32.1	35.0	55.0
	DAY-HR	16-16	13-05	16-04	17-05	08-10	27-13	26-18	31-08	27-21	28-21	05-16	18-23	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	25-15	26-05	28-17	27-22	29-03	30-22	30-16	27-13	29-15	24-17	26-20	25-07	DEC
	# OBS	738	669	738	717	740	718	740	743	717	744	718	743	8725
1986	MEAN	17.4	13.7	14.7	11.1	11.7	12.3	10.7	10.5	11.1	12.1	14.4	15.4	12.9
	MAXIMUM	38.1	31.1	36.2	35.0	27.0	33.0	33.0	31.1	30.1	35.0	37.1	45.1	45.1
	DAY-HR	27-11	06-12	07-23	23-11	29-22	17-10	02-18	25-19	16-11	06-21	21-10	03-12	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	22-12	23-20	25-11	30-15	31-18	28-05	31-23	23-01	26-20	24-23	26-10	30-17	DEC
	# OBS	739	630	739	718	740	716	741	731	596	740	715	633	8438
1987	MEAN	15.1	14.9	12.6	14.0	11.7	10.8	9.7	10.3	11.6	12.1	14.5	14.3	12.6
	MAXIMUM	43.2	35.0	38.1	40.0	32.1	30.1	23.1	28.0	32.1	36.2	35.0	36.2	43.2
	DAY-HR	11-10	10-00	31-19	05-14	06-04	23-14	26-17	22-19	20-16	28-12	06-09	30-18	JAN
	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	30-18	27-02	28-10	29-18	31-08	22-17	29-01	19-15	14-15	27-12	29-05	15-15	DEC
	# OBS	682	666	741	719	740	720	743	744	681	729	715	744	8624
1988	MEAN	14.7	14.5	14.0	13.7	12.5	13.1	10.6	10.6	11.7	14.9	15.9	16.5	13.6
	MAXIMUM	37.1	37.1	35.0	28.0	33.6	31.3	31.1	34.0	31.9	42.4	41.6	38.1	42.4
	DAY-HR	14-03	12-17	11-18	28-21	25-18	23-19	17-05	30-04	05-03	22-15	02-05	16-04	OCT
	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	29-18	27-03	24-20	30-02	21-05	03-23	29-06	25-16	27-15	17-09	27-05	24-15	DEC
	# OBS	743	695	744	720	728	717	740	742	716	743	719	741	8748
1989	MEAN	15.9	15.1	15.1	13.2	14.5	11.0	10.1	11.3	11.5	13.6	18.3	17.8	13.9
	MAXIMUM	42.8	42.6	37.1	33.8	35.4	28.6	24.5	31.3	36.4	35.0	45.1	42.8	45.1
	DAY-HR	21-11	09-15	25-09	16-17	27-18	11-15	10-19	31-19	23-22	04-00	21-10	16-11	NOV
	MINIMUM	1.4	1.2	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0
	DAY-HR	08-15	26-15	20-12	21-08	27-09	27-15	31-11	29-14	25-16	31-11	28-01	09-18	OCT
	# OBS	742	669	731	547	196	717	737	737	717	742	713	738	7986
1990	MEAN	14.8	17.3	14.0	14.1	13.3	12.6	10.8	10.3	12.4	15.3	17.8	16.7	14.1
	MAXIMUM	40.4	36.7	36.4	34.4	33.4	32.1	27.6	26.4	27.0	36.4	46.9	43.0	46.9
	DAY-HR	30-08	24-15	21-19	04-07	05-22	03-22	09-03	19-10	18-20	19-04	11-00	10-23	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	29-17	13-11	28-04	28-14	29-13	23-11	30-15	26-16	28-02	23-10	28-07	21-22	DEC
	# OBS	742	671	736	712	742	713	738	742	718	741	720	713	8688
1991	MEAN	15.8	14.2	16.4	13.1	12.5	11.9	10.7	12.2	12.3	16.0	14.8	16.3	13.8
	MAXIMUM	39.9	37.1	41.8	45.9	34.6	33.6	24.1	47.4	30.7	41.2	43.7	41.0	47.4
	DAY-HR	31-18	22-20	04-10	21-19	06-22	12-00	09-14	19-21	25-11	31-01	11-17	30-10	AUG
	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	30-20	15-06	29-10	16-13	29-14	25-16	31-12	24-00	14-08	19-22	29-13	14-09	DEC
	# OBS	708	647	710	694	741	717	744	742	717	743	719	704	8586
1992	MEAN	16.3	16.3	15.1	14.2	10.8	13.1	11.3	11.9	12.8	13.2	13.1	17.6	13.7

	MAXIMUM	42.6	36.9	43.0	32.5	25.9	28.4	28.2	29.9	29.9	30.9	34.0	48.2	48.2
	DAY-HR	24-03	29-22	27-11	03-13	24-18	06-11	09-20	29-09	29-23	27-14	13-09	12-10	DEC
	MINIMUM	0.8	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.2	0.2	0.0
	DAY-HR	02-23	24-01	09-16	19-05	14-10	07-12	20-09	26-07	07-10	31-01	09-21	29-02	SEP
	# OBS	710	588	382	720	741	719	741	741	716	642	663	741	8104
1993	MEAN	15.3	17.3	15.7	14.5	11.6	13.3	10.7	9.7	12.1	14.4	14.8	17.3	13.9
	MAXIMUM	35.6	40.0	49.0	41.6	34.4	36.4	23.1	28.8	30.3	31.5	36.2	47.0	49.0
	DAY-HR	22-18	17-15	14-00	02-01	29-18	01-08	30-23	31-22	28-07	31-04	28-22	06-00	MAR
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	1.6	1.0	0.0	0.0
	DAY-HR	15-02	23-23	26-17	14-15	04-11	10-08	30-13	30-06	18-14	17-16	26-19	04-17	DEC
	# OBS	733	671	733	716	744	718	742	738	718	743	715	741	8712
1994	MEAN	17.8	16.7	13.2	14.1	13.5	13.1	11.6	12.1	12.3	11.5	14.4	15.8	13.8
	MAXIMUM	53.1	38.1	40.4	34.0	35.0	31.9	27.6	25.7	39.9	26.0	40.2	45.7	53.1
	DAY-HR	04-16	27-22	03-17	16-18	13-20	21-19	06-01	05-00	05-18	17-10	02-22	24-07	JAN
	MINIMUM	0.8	0.0	0.2	0.4	1.0	0.0	0.2	0.6	0.8	0.0	0.2	0.0	0.0
	DAY-HR	31-21	25-01	28-14	12-11	09-00	26-08	28-04	26-15	02-16	24-03	16-21	17-17	DEC
	# OBS	702	652	680	717	740	714	736	740	711	734	715	743	8584
1995	MEAN	15.8	17.2	12.2	12.8	11.2	11.2	11.2	11.1	11.8	13.9	15.7	17.9	13.5
	MAXIMUM	41.2	55.8	30.3	43.5	33.0	25.9	24.9	27.6	28.8	39.5	49.4	36.7	55.8
	DAY-HR	20-21	04-22	10-00	05-13	07-22	02-03	13-20	24-21	17-23	22-03	15-04	10-04	FEB
	MINIMUM	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.8	0.0	0.0	0.0
	DAY-HR	13-03	03-19	16-05	18-05	28-12	26-11	25-15	29-13	09-14	23-02	28-10	05-17	DEC
	# OBS	740	661	676	714	743	713	737	740	713	736	713	740	8626
1996	MEAN	17.0	15.0	14.3	15.3	11.7	11.1	12.3	9.4	12.7	14.2	14.3	15.6	13.7
	MAXIMUM	47.6	39.5	34.8	38.7	24.9	28.2	36.9	24.1	39.3	43.7	35.4	36.7	47.6
	DAY-HR	19-23	26-02	20-08	16-23	01-03	26-15	13-22	25-20	18-12	21-00	09-11	06-17	JAN
	MINIMUM	0.6	0.0	0.4	1.0	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0
	DAY-HR	16-20	22-22	11-17	05-23	13-14	29-03	30-12	13-18	06-16	13-12	19-10	04-07	DEC
	# OBS	737	686	716	733	289	526	824	786	714	735	689	741	8176
1997	MEAN	18.4	15.8	16.1	14.8	15.2	11.3	12.2	10.7	11.8	11.5	17.1	15.3	14.2
	MAXIMUM	39.3	36.0	44.1	47.6	36.5	28.4	34.2	34.6	31.7	33.2	42.8	39.7	47.6
	DAY-HR	17-09	20-07	06-19	01-03	02-15	23-03	04-02	21-19	29-21	27-10	02-02	02-15	APR
	MINIMUM	0.2	1.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAY-HR	05-22	27-16	11-21	14-05	29-16	25-14	06-13	30-14	26-16	25-03	22-06	16-18	DEC
	# OBS	731	655	735	708	733	710	728	739	717	736	703	739	8634
1998	MEAN	16.9	15.3	15.7	12.5	12.8	11.9	11.5	10.7	12.0	15.6	14.1	14.8	13.6
	MAXIMUM	35.8	43.2	39.7	36.2	30.1	34.8	24.9	25.1	25.5	31.1	43.0	41.2	43.2
	DAY-HR	25-21	24-17	22-06	24-00	11-17	05-00	29-16	12-12	10-21	30-15	26-21	30-23	FEB
	MINIMUM	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.2	0.0	0.0
	DAY-HR	10-23	17-15	30-10	15-08	25-13	28-15	25-13	24-05	02-12	17-00	17-06	31-10	DEC
	# OBS	719	668	717	690	713	688	736	788	712	737	718	726	8612
1999	MEAN	-	15.1	17.7	12.5	11.1	11.8	11.4	11.4	12.4	15.4	16.4	15.3	13.6
	MAXIMUM	-	32.7	45.5	37.5	31.9	25.9	27.6	26.4	36.7	39.3	38.1	40.0	45.5
	DAY-HR	-	10-18	22-15	08-20	25-02	07-00	02-15	09-18	16-19	14-18	03-08	11-20	MAR
	MINIMUM	-	1.0	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.6	0.0
	DAY-HR	-	23-20	13-23	06-15	30-10	17-19	13-09	11-11	21-14	08-14	22-12	19-20	NOV
	# OBS	-	484	716	720	742	720	743	740	717	742	717	743	7784
2000	MEAN	17.4	15.7	14.7	15.5	11.8	12.0	10.9	11.2	13.0	14.9	13.8	18.2	14.1
	MAXIMUM	40.8	33.0	40.2	37.5	32.1	38.7	25.7	26.2	30.3	42.0	31.7	50.3	50.3
	DAY-HR	25-18	12-03	28-15	09-13	18-19	07-00	16-07	24-03	15-15	31-03	15-07	18-01	DEC
	MINIMUM	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.6	0.4	0.2	0.4	0.4	0.0
	DAY-HR	23-18	27-12	25-04	21-04	25-06	19-12	04-05	30-13	25-16	25-16	20-19	13-19	JUL
	# OBS	742	692	741	711	738	720	614	700	719	739	717	742	8575
2001	MEAN	13.5	16.7	17.1	13.1	13.0	13.3	11.2	10.9	13.6	14.2	14.5	15.0	14.0
	MAXIMUM	32.7	42.6	48.2	33.2	30.9	30.1	27.4	25.1	29.2	36.5	40.8	33.4	48.2
	DAY-HR	01-08	06-03	30-23	18-10	31-18	02-16	26-13	26-21	25-19	17-23	07-19	19-01	MAR
	MINIMUM	0.2	0.2	0.4	0.2	0.6	0.4	0.2	0.2	0.0	0.0	1.0	0.0	0.0
	DAY-HR	16-11	14-08	26-16	30-15	18-11	11-11	28-15	22-06	28-02	12-15	13-21	17-20	DEC
	# OBS	744	671	737	717	744	478	296	690	712	744	720	743	7996
POR	MEAN	16.1	15.7	15.0	13.6	12.4	12.1	11.1	10.9	12.1	13.7	15.2	16.2	13.7
	MAXIMUM	53.1	55.8	49.0	47.6	36.5	38.7	38.1	47.4	55.0	43.7	49.4	50.3	55.8
	YEAR	1994	1995	1993	1997	1997	2000	1985	1991	1985	1996	1995	2000	FEB/1995
	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	2000	1998	2000	2000	2000	2000	1999	2001	2001	1999	2001	DEC/2001
	# OBS	11652	11075	11972	11973	11554	11724	12080	12583	12310	13212	12807	13153	146095

STATION: IOSN3 -- POR (9/1984 - 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
1984	MEAN	-	-	-	-	-	-	-	-	11.8	13.1	17.2	17.7	15.5
	MAXIMUM	-	-	-	-	-	-	-	-	30.1	50.2	38.1	42.0	50.2
	DAY-HR	-	-	-	-	-	-	-	-	27-02	02-15	17-14	22-10	OCT
	# OBS	-	-	-	-	-	-	-	-	299	740	718	735	2492
1985	MEAN	18.8	17.7	17.7	13.7	13.5	13.9	12.6	11.8	12.0	14.0	16.1	18.3	15.0
	MAXIMUM	45.1	61.0	44.1	41.0	36.2	36.2	43.2	41.0	64.2	36.2	36.2	43.2	64.2
	DAY-HR	16-16	13-05	16-04	17-05	08-13	27-13	26-18	31-08	27-21	28-21	15-08	18-23	SEP
	# OBS	733	668	737	715	740	718	740	743	717	743	717	743	8714
1986	MEAN	19.8	15.7	16.3	12.4	12.8	13.4	11.5	11.3	12.1	13.4	16.3	17.6	14.4
	MAXIMUM	43.2	34.0	41.0	38.1	29.0	37.1	37.1	37.1	35.0	41.0	42.0	51.1	51.1
	DAY-HR	27-11	06-12	07-14	23-11	12-12	17-10	02-18	24-18	16-09	06-20	21-09	03-12	DEC
	# OBS	738	630	739	718	740	712	739	730	595	740	715	598	8394
1987	MEAN	17.2	16.9	14.7	15.7	12.6	11.6	10.4	11.2	12.5	13.6	16.2	16.2	14.0
	MAXIMUM	48.0	41.0	46.1	48.0	36.2	42.0	24.1	32.1	37.1	44.1	39.1	42.0	48.0
	DAY-HR	11-10	10-00	31-19	05-14	06-04	09-04	26-17	03-11	20-13	04-10	06-09	30-18	APR
	# OBS	651	664	741	719	740	720	742	743	680	725	712	744	8581
1988	MEAN	16.8	16.3	15.5	15.3	13.5	14.2	11.4	11.6	13.0	16.9	17.9	18.8	15.1
	MAXIMUM	41.0	42.0	39.1	31.1	37.7	35.6	34.8	39.7	36.2	52.7	47.2	44.3	52.7
	DAY-HR	14-03	12-17	11-21	28-21	25-19	06-21	17-05	30-04	05-03	22-15	02-05	16-04	OCT
	# OBS	743	695	744	680	728	717	740	742	716	743	719	741	8708
1989	MEAN	18.0	17.1	17.2	15.2	15.5	11.8	10.9	12.1	12.6	15.0	20.5	20.6	15.5
	MAXIMUM	48.8	46.9	42.2	39.1	38.9	31.1	25.9	33.4	40.4	41.0	50.9	50.0	50.9
	DAY-HR	21-11	09-15	25-09	16-17	27-18	11-18	10-19	05-20	23-22	04-00	21-17	16-11	NOV
	# OBS	742	669	731	547	195	716	736	736	717	742	713	735	7979
1990	MEAN	16.5	19.2	15.5	15.3	14.5	13.4	11.4	11.0	13.6	16.8	19.9	18.7	15.4
	MAXIMUM	47.6	45.3	40.2	38.7	36.7	36.5	29.9	29.9	29.4	40.2	54.4	48.0	54.4
	DAY-HR	30-10	20-12	21-19	04-07	05-22	03-22	09-03	19-10	18-20	19-04	11-00	04-13	NOV
	# OBS	742	671	736	710	742	712	738	742	718	740	716	698	8665
1991	MEAN	18.0	16.0	18.2	14.3	13.5	12.8	11.3	13.0	13.5	17.6	16.5	18.6	15.2
	MAXIMUM	44.9	41.4	47.0	53.3	37.9	46.9	26.6	54.4	32.7	49.2	49.6	47.2	54.4
	DAY-HR	31-18	22-19	04-10	21-19	06-22	12-00	09-17	19-19	25-11	31-01	11-17	30-10	AUG
	# OBS	689	633	687	681	741	717	744	742	717	743	719	698	8511
1992	MEAN	18.6	18.5	17.1	15.6	11.8	13.9	12.1	12.7	13.8	14.6	14.7	20.0	15.1
	MAXIMUM	48.6	41.8	51.9	36.7	29.4	31.3	30.7	32.3	35.0	34.8	37.9	52.5	52.5
	DAY-HR	15-06	29-22	27-11	03-13	24-18	06-11	09-20	29-09	23-03	27-14	13-09	12-10	DEC
	# OBS	696	541	353	720	741	719	741	741	715	568	652	741	7928
1993	MEAN	17.5	19.8	17.6	15.9	12.6	14.3	11.5	10.4	13.3	16.3	17.0	20.2	15.5
	MAXIMUM	39.9	46.5	56.8	48.4	38.1	39.1	27.2	30.9	32.9	36.0	40.6	54.4	56.8
	DAY-HR	30-18	17-15	13-22	02-01	29-18	01-08	30-23	31-22	28-07	31-04	28-17	06-00	MAR
	# OBS	733	671	730	716	744	716	741	738	718	743	713	741	8704
1994	MEAN	20.5	18.9	14.7	15.6	15.2	14.6	12.5	13.0	14.1	13.2	17.6	18.2	15.6
	MAXIMUM	63.4	44.7	46.1	41.4	39.5	34.6	30.9	27.4	48.4	29.2	48.8	53.1	63.4
	DAY-HR	04-16	27-22	03-17	27-22	13-20	21-19	05-22	05-00	05-18	17-10	24-00	24-08	JAN
	# OBS	701	651	680	717	739	712	733	739	711	733	715	743	8574
1995	MEAN	17.9	19.7	13.4	14.3	12.4	12.1	12.2	12.1	13.3	15.5	17.9	20.4	15.1
	MAXIMUM	47.0	64.5	35.6	50.3	38.7	27.2	27.8	31.9	32.9	44.1	57.0	41.2	64.5
	DAY-HR	20-21	04-22	10-00	05-13	07-22	02-03	29-20	24-21	17-23	22-03	15-04	01-14	FEB
	# OBS	740	660	676	714	743	713	737	740	713	736	713	740	8625
1996	MEAN	19.3	17.2	16.0	17.0	12.7	12.0	13.4	10.2	14.1	15.9	16.2	17.7	15.3
	MAXIMUM	55.0	44.7	40.4	44.7	26.8	32.1	45.1	25.1	45.1	51.3	38.5	42.0	55.0
	DAY-HR	19-23	25-23	20-08	16-23	12-23	26-14	13-22	25-20	18-12	20-20	09-11	06-18	JAN
	# OBS	736	685	713	731	289	526	824	786	714	735	689	741	8169
1997	MEAN	21.1	17.7	18.1	16.5	16.5	12.2	13.1	11.7	12.9	12.8	19.3	17.3	15.7
	MAXIMUM	47.0	40.0	52.3	57.0	41.4	31.7	36.7	39.1	35.4	37.1	54.6	46.9	57.0
	DAY-HR	17-09	25-00	06-23	01-00	02-15	23-03	04-02	22-02	29-21	27-10	02-02	02-15	APR
	# OBS	731	655	735	707	732	710	728	739	717	736	703	739	8632
1998	MEAN	19.0	17.2	17.4	13.7	14.0	12.9	12.2	11.3	13.0	17.3	15.8	16.5	15.0
	MAXIMUM	39.9	51.3	45.1	42.4	37.1	41.4	26.0	26.4	30.5	36.2	49.4	47.0	51.3
	DAY-HR	25-21	24-15	22-06	24-00	11-16	05-14	29-11	26-18	23-14	30-17	26-21	30-23	FEB
	# OBS	719	668	717	690	713	688	736	788	712	737	718	726	8612
1999	MEAN	-	17.1	19.9	13.9	12.1	12.7	12.2	12.4	13.7	17.2	18.2	17.5	15.1
	MAXIMUM	-	38.5	52.1	44.3	36.0	28.2	29.7	29.2	41.6	45.3	44.7	49.0	52.1
	DAY-HR	-	10-18	22-15	08-20	25-01	09-09	02-15	21-23	17-21	14-18	03-08	11-20	MAR
	# OBS	-	484	716	720	742	720	743	740	717	742	717	743	7784
2000	MEAN	20.1	17.8	16.3	17.1	12.9	13.0	11.8	12.1	14.1	16.4	15.5	20.8	15.7

	MAXIMUM	47.8	38.3	45.9	41.8	36.0	45.7	29.2	29.9	32.3	47.2	35.0	57.3	57.3
	DAY-HR	25-18	03-00	28-15	09-13	18-19	07-00	16-07	24-03	15-15	31-03	27-00	18-01	DEC
	# OBS	742	692	741	711	738	720	613	700	719	739	714	743	8572
2001	MEAN	15.2	18.8	19.2	14.3	14.1	14.1	11.7	11.5	14.5	15.5	15.9	16.7	15.3
	MAXIMUM	39.1	49.2	54.6	37.7	35.4	35.4	31.7	26.8	31.7	40.4	45.3	37.9	54.6
	DAY-HR	21-16	10-20	06-07	18-10	31-16	02-15	26-13	26-23	30-04	17-23	07-19	19-01	MAR
	# OBS	744	671	737	717	744	478	296	688	712	744	720	743	7994
POR	MEAN	18.4	17.8	16.8	15.1	13.5	13.1	11.9	11.7	13.3	15.3	17.2	18.4	15.2
	MAXIMUM	63.4	64.5	56.8	57.0	41.4	46.9	45.1	54.4	64.2	52.7	57.0	57.3	64.5
	YEAR	1994	1995	1993	1997	1997	1991	1996	1991	1985	1988	1995	2000	FEB/1995
	# OBS	11580	11008	11913	11913	11551	11714	12071	12577	12307	13129	12783	13092	145638

STATION: IOSN3 -- 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	22.2	20.3	23.5	-	-	14.2	16.1	12.0	16.2	18.6	18.7	20.5	17.7
	MAXIMUM	57.2	50.9	41.2	-	-	35.8	45.1	25.7	51.3	59.1	42.8	45.9	59.1
	DAY-HR	28-01	26-03	04-07	-	-	26-14	13-23	25-20	18-14	09-09	09-16	06-19	OCT
	MINIMUM	3.1	1.9	4.1	-	-	0.8	1.4	2.3	2.3	1.2	3.1	1.6	0.8
	DAY-HR	12-06	16-03	02-11	-	-	29-03	30-12	04-15	27-16	13-12	19-06	29-07	JUN
	# OBS	736	685	71	-	-	526	800	786	715	735	689	741	6484
1997	MEAN	24.7	20.6	21.3	19.5	19.7	14.3	15.6	13.8	15.1	15.2	22.1	20.0	18.5
	MAXIMUM	57.3	48.8	61.6	63.0	47.8	35.0	40.0	45.9	43.7	40.0	64.5	51.1	64.5
	DAY-HR	17-16	22-21	06-21	01-04	16-21	23-03	18-21	22-03	29-21	27-10	02-04	02-17	NOV
	MINIMUM	3.5	3.1	1.9	2.1	0.0	0.8	2.1	2.5	1.0	2.5	2.7	4.1	0.0
	DAY-HR	04-14	27-15	11-21	22-12	29-16	03-01	06-13	26-07	01-15	15-18	18-17	16-16	MAY
	# OBS	731	655	735	683	708	709	727	715	717	736	703	739	8558
1998	MEAN	21.8	19.7	20.0	16.4	16.5	15.6	14.3	13.3	15.3	20.0	18.4	19.3	17.5
	MAXIMUM	42.6	55.0	47.6	46.3	42.4	46.9	30.1	31.7	63.8	44.5	53.5	47.8	63.8
	DAY-HR	16-18	24-18	22-05	24-01	11-14	14-00	10-22	25-02	07-10	01-21	26-21	30-23	SEP
	MINIMUM	2.3	2.9	3.7	2.7	1.2	0.4	0.0	2.3	0.4	4.5	3.7	1.9	0.0
	DAY-HR	10-23	17-16	06-16	15-10	08-11	21-04	03-15	05-09	02-12	07-14	06-22	04-09	JUL
	# OBS	719	667	717	690	713	688	736	788	712	737	742	716	8625
1999	MEAN	-	20.1	22.9	16.7	14.3	14.8	14.6	14.7	15.8	19.9	21.1	20.4	17.7
	MAXIMUM	-	43.5	55.4	47.6	38.5	40.6	50.5	40.2	50.5	54.2	47.0	53.5	55.4
	DAY-HR	-	10-18	16-16	08-21	25-03	09-02	06-22	05-21	17-02	14-19	03-08	11-19	MAR
	MINIMUM	-	4.9	3.5	3.7	1.7	1.2	2.9	2.9	1.7	2.5	2.9	3.1	1.2
	DAY-HR	-	15-17	10-17	23-17	02-15	17-20	26-06	24-14	15-16	30-03	22-15	03-10	JUN
	# OBS	-	466	716	720	742	720	743	740	717	742	717	743	7766
2000	MEAN	23.5	20.6	19.0	20.0	15.3	15.2	13.9	14.1	16.1	18.8	18.0	24.2	18.3
	MAXIMUM	56.2	43.7	49.6	45.1	39.1	47.6	30.7	32.3	33.8	54.6	43.2	61.6	61.6
	DAY-HR	11-00	12-03	28-15	09-14	18-19	07-05	16-08	24-04	15-16	31-04	18-04	18-02	DEC
	MINIMUM	3.1	2.1	3.3	2.5	2.3	2.7	2.7	2.5	2.7	2.3	2.9	4.5	2.1
	DAY-HR	23-18	27-12	23-11	21-07	30-05	19-14	01-14	19-09	06-01	25-17	19-19	14-03	FEB
	# OBS	742	692	741	711	738	719	612	700	718	738	716	738	8565
2001	MEAN	17.6	22.2	22.2	16.8	16.6	16.4	13.4	13.5	16.6	18.1	18.5	19.5	17.9
	MAXIMUM	40.4	55.2	67.5	42.6	41.0	38.1	32.7	29.2	35.4	47.0	47.6	42.0	67.5
	DAY-HR	21-11	06-04	31-00	14-14	31-17	02-15	26-14	17-23	25-19	18-03	07-20	19-02	MAR
	MINIMUM	1.2	2.5	3.1	3.1	2.9	2.9	1.7	2.5	2.7	3.1	1.9	3.5	1.2
	DAY-HR	16-11	01-07	21-11	04-03	18-12	13-11	20-02	22-06	23-15	31-15	13-21	05-22	JAN
	# OBS	744	671	737	717	744	478	296	688	712	744	720	743	7994
POR	MEAN	22.0	20.6	21.1	17.9	16.5	15.1	14.8	13.5	15.8	18.4	19.5	20.6	17.9
	MAXIMUM	57.3	55.2	67.5	63.0	47.8	47.6	50.5	45.9	63.8	59.1	64.5	61.6	67.5
	YEAR	1997	2001	2001	1997	1997	2000	1999	1997	1998	1996	1997	2000	MAR/2001
	MINIMUM	1.2	1.9	1.9	2.1	0.0	0.4	0.0	2.3	0.4	1.2	1.9	1.6	0.0
	YEAR	2001	1996	1997	1997	1997	1998	1998	1998	1996	2001	1996	1996	JUL/1998
	# OBS	3672	3836	3717	3521	3645	3840	3914	4417	4291	4432	4287	4420	47992

STATION: IOSN3

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

Month: JAN

WIND SPEED	WIND DIRECTION													TOT %	TOT N
	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.6	*	-	-	-	*	*	-	*	*	*	*	-	0.7	77
1 - 3		0.5	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.3	0.4	0.3	0.4	3.0	348

4 - 6	0.8	0.5	0.2	0.3	0.1	0.3	0.5	0.5	0.6	1.2	1.2	0.9	7.0	817
7 - 10	1.4	0.8	0.4	0.3	0.4	0.4	0.8	1.2	1.6	2.5	2.5	2.5	14.8	1723
11 - 15	2.2	1.1	0.6	0.4	0.6	0.7	1.2	2.1	3.3	3.9	4.5	2.6	23.3	2716
16 - 20	1.8	1.6	0.5	0.3	0.2	0.6	1.2	2.6	3.3	4.4	5.4	1.3	23.1	2694
21 - 24	0.8	1.0	0.5	0.2	0.2	0.3	0.8	1.5	1.8	2.6	3.3	0.3	13.3	1547
25 - 33	1.0	1.1	0.4	0.2	0.2	0.4	0.7	0.7	1.4	3.0	3.8	0.2	13.2	1538
34 - 47	0.1	0.3	0.1	*	0.2	0.2	0.1	-	*	0.2	0.4	*	1.6	190
> 48	-	*	-	*	-	*	-	-	-	-	-	-	0.0	3
TOTAL %	0.6	8.6	6.6	2.7	2.0	2.0	3.1	5.4	8.8	12.3	18.2	21.4	8.2	100.0
TOTAL N	68	1003	773	319	233	235	358	632	1020	1438	2125	2497	952	11653

(\* < 0.05%)

STATION: IOSN3

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

Month: FEB

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	-	*	*	-	*	*	*	*	-	*	*	*	0.6	63
1 - 3		0.3	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.4	0.4	0.3	3.0	335
4 - 6		0.7	0.4	0.3	0.3	0.4	0.5	0.5	0.7	0.7	0.8	1.2	0.8	7.6	837
7 - 10		1.4	1.0	0.7	0.5	0.7	0.8	0.9	1.1	1.7	2.0	2.3	1.9	15.2	1682
11 - 15		2.1	1.9	1.0	0.8	0.5	0.8	1.6	2.4	2.9	3.7	4.6	1.8	24.1	2668
16 - 20		1.8	1.8	0.9	0.5	0.3	0.6	1.2	2.6	3.0	4.0	6.5	1.3	24.3	2695
21 - 24		0.9	1.0	0.6	0.3	0.1	0.2	0.8	1.5	1.3	2.0	4.1	0.6	13.3	1476
25 - 33		1.1	1.4	0.4	0.3	0.1	0.2	0.4	1.0	0.5	1.7	3.3	0.3	10.6	1171
34 - 47		0.1	0.2	0.2	0.1	*	*	*	-	*	0.3	0.4	*	1.3	144
> 48		-	-	*	*	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.5	8.5	8.0	4.1	3.0	2.3	3.3	5.5	9.7	10.4	15.0	22.9	7.0	100.0	
TOTAL N	52	936	882	458	329	255	366	612	1069	1151	1659	2531	775		11075

(\* < 0.05%)

STATION: IOSN3

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

Month: MAR

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.6	*	*	-	-	*	*	*	*	-	-	*	-	0.7	86
1 - 3		0.3	0.3	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.4	0.4	0.3	3.6	426
4 - 6		0.7	0.6	0.5	0.5	0.6	0.7	0.8	0.7	0.9	0.9	1.0	0.9	8.8	1053
7 - 10		1.4	1.7	1.1	0.8	1.1	1.5	1.7	1.2	1.4	1.5	2.0	1.7	17.3	2071
11 - 15		1.9	2.6	1.6	0.7	0.9	2.1	2.5	2.1	2.0	2.6	3.7	2.5	25.3	3031
16 - 20		1.9	2.3	1.0	0.6	0.3	1.8	2.2	2.0	1.6	2.5	4.4	1.8	22.2	2660
21 - 24		0.8	1.2	0.5	0.4	0.2	0.9	1.0	1.2	0.5	1.4	2.8	0.6	11.6	1390
25 - 33		0.7	1.2	0.6	0.1	0.2	0.6	0.7	0.4	0.1	1.0	2.7	0.4	8.8	1055
34 - 47		0.1	0.6	0.4	*	0.1	0.1	*	-	*	0.1	0.2	*	1.6	197
> 48		-	-	*	-	-	-	-	-	-	-	-	-	0.0	3
TOTAL %	0.6	7.7	10.5	6.0	3.4	3.7	8.0	9.4	8.1	6.8	10.4	17.2	8.3	100.0	
TOTAL N	77	927	1253	715	410	446	955	1122	965	809	1246	2058	989		11972

(\* < 0.05%)

STATION: IOSN3

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

Month: APR

		WIND DIRECTION												TOT %	TOT N
WIND SPEED	CALM	35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	*	*	*	*	*	*	*	*	-	*	-	*	0.9	113
1 - 3		0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.4	4.0	479
4 - 6		0.8	0.8	0.8	1.0	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.8	10.2	1226
7 - 10		1.6	2.3	1.5	1.5	1.9	2.2	2.0	1.6	1.3	1.7	2.1	1.6	21.4	2561
11 - 15		1.9	3.1	2.0	1.3	1.2	3.1	3.4	2.1	1.5	2.7	3.1	2.0	27.4	3280
16 - 20		1.1	2.9	1.1	0.6	0.5	2.3	2.6	1.4	1.0	1.9	3.1	1.1	19.7	2357
21 - 24		0.5	1.6	0.8	0.4	0.2	1.1	1.3	0.4	0.4	0.9	1.7	0.5	9.7	1164
25 - 33		0.4	1.0	0.7	0.2	0.2	0.7	0.6	0.1	0.2	0.4	1.1	0.2	5.8	695
34 - 47		0.1	0.4	0.1	*	*	*	-	-	-	*	0.2	-	0.8	97
> 48		-	*	-	-	-	-	-	-	-	-	-	-	0.0	1
TOTAL %	0.8	6.6	12.3	7.3	5.4	5.2	10.6	11.2	6.7	5.6	9.0	12.6	6.7	100.0	
TOTAL N	100	790	1476	877	645	618	1272	1342	802	674	1077	1503	797		11973

(\* < 0.05%)

STATION: IOSN3

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

Month: MAY

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N	
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34			
0	0.8	*	*	*	*	*	*	*	*	*	*	*	*	0.1	1.0	121
1 - 3		0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.3	0.3	5.9	682	
4 - 6		0.9	1.0	1.2	1.3	1.1	1.1	1.0	1.0	0.9	1.0	1.0	0.9	12.4	1431	
7 - 10		1.3	2.7	2.3	1.7	2.1	2.8	2.5	1.8	1.5	1.9	1.7	1.1	23.4	2705	
11 - 15		1.0	3.7	2.1	0.9	1.4	3.6	3.8	2.3	2.0	2.5	2.2	1.2	26.7	3086	
16 - 20		0.7	2.6	1.1	0.3	0.3	3.2	3.6	1.9	1.1	1.6	2.1	0.9	19.4	2247	
21 - 24		0.3	1.2	0.4	*	0.1	1.1	1.2	0.7	0.4	0.5	1.0	0.2	7.2	827	
25 - 33		0.2	0.6	0.3	*	0.1	0.6	0.7	0.2	0.1	0.2	0.6	0.3	3.9	449	
34 - 47		-	*	-	-	*	-	-	-	-	*	*	-	0.1	6	
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0	
TOTAL %	0.8	4.8	12.4	8.1	4.9	5.7	12.9	13.4	8.3	6.5	8.3	8.9	5.0	100.0		
TOTAL N	97	559	1427	932	561	659	1493	1548	959	755	959	1031	574		11554	

(\* < 0.05%)

STATION: IOSN3

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

Month: JUN

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.9	*	*	*	*	-	-	*	*	*	*	0.1	*	1.1	134
1 - 3		0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	5.0	591
4 - 6		0.8	1.1	0.9	0.8	0.9	1.0	1.0	0.9	1.2	1.3	1.1	0.9	11.8	1383
7 - 10		1.1	1.8	1.6	1.3	1.3	2.0	2.5	2.2	2.7	2.6	2.1	1.3	22.6	2645
11 - 15		1.0	2.5	1.6	1.0	0.8	3.3	5.0	4.3	3.8	3.5	3.1	1.4	31.3	3664
16 - 20		0.5	1.2	0.8	0.2	0.3	2.6	4.8	3.1	2.4	1.9	1.8	0.7	20.4	2395
21 - 24		0.1	0.3	0.3	0.1	0.2	0.7	1.5	0.8	0.3	0.4	0.7	0.2	5.6	660
25 - 33		0.1	0.3	0.1	0.1	0.2	0.1	0.5	0.2	0.1	0.1	0.3	0.1	2.0	237
34 - 47		-	*	*	-	*	-	-	*	-	*	*	-	0.1	14
> 48		-	-	-	-	-	-	-	-	-	-	*	-	0.0	1
TOTAL %	0.9	4.1	7.7	5.7	3.9	4.1	10.1	15.8	11.9	11.0	10.2	9.5	5.1	100.0	
TOTAL N	106	479	908	673	457	480	1189	1847	1400	1289	1191	1108	597		11724

(\* < 0.05%)

STATION: IOSN3

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	1.0	*	-	*	-	*	*	*	*	*	*	*	*	1.2	140
1 - 3		0.3	0.4	0.5	0.5	0.4	0.4	0.5	0.6	0.6	0.7	0.4	0.4	5.7	691
4 - 6		0.8	1.0	0.9	0.9	1.1	1.2	1.2	1.5	1.8	1.8	1.4	1.0	14.5	1746
7 - 10		1.3	2.0	1.3	1.2	1.6	2.3	3.3	3.4	3.2	3.3	2.6	1.7	27.2	3280
11 - 15		0.8	1.8	0.8	0.5	1.0	3.9	5.6	4.6	3.3	3.7	2.8	1.1	29.9	3616
16 - 20		0.2	0.8	0.2	0.1	0.2	3.2	4.6	2.8	1.7	1.5	1.6	0.3	17.2	2073
21 - 24		*	0.1	*	0.1	*	0.7	1.2	0.6	0.2	0.3	0.4	*	3.7	443
25 - 33		*	*	-	*	*	0.1	0.2	0.1	*	0.1	0.1	*	0.7	88
34 - 47		-	-	-	-	*	*	*	-	-	-	-	-	0.0	3
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	1.0	3.5	6.2	3.7	3.3	4.4	11.8	16.6	13.6	10.9	11.3	9.3	4.5	100.0	
TOTAL N	117	418	745	443	402	534	1431	2001	1638	1311	1368	1123	549		12080

(\* < 0.05%)

STATION: IOSN3

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

Month: AUG

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.9	*	*	*	*	*	*	*	*	*	*	*	*	1.2	145
1 - 3		0.6	0.3	0.4	0.5	0.4	0.6	0.5	0.5	0.6	0.5	0.5	0.6	5.9	748
4 - 6		1.0	1.2	0.9	1.0	1.1	1.3	1.1	1.4	1.7	1.8	1.4	1.2	15.1	1895
7 - 10		1.6	2.1	1.6	1.1	1.7	2.8	3.2	3.5	3.2	2.9	2.6	2.3	28.6	3601
11 - 15		1.3	2.5	0.8	0.5	0.7	4.2	5.3	4.6	3.5	2.1	2.6	1.3	29.5	3716
16 - 20		0.5	1.4	0.3	0.2	0.3	2.4	4.0	2.5	1.8	0.8	1.0	0.3	15.4	1932
21 - 24		0.2	0.2	0.1	0.1	0.1	0.5	1.1	0.4	0.2	0.2	0.2	0.1	3.2	405
25 - 33		0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*	0.2	0.1	*	1.0	127
34 - 47		-	*	*	*	*	*	-	-	-	-	*	*	0.1	14
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.9	5.1	7.8	4.3	3.5	4.4	11.9	15.4	13.0	11.1	8.6	8.4	5.7	100.0	
TOTAL N	114	640	980	537	444	549	1502	1935	1636	1391	1076	1057	722		12583

(\* < 0.05%)



STATION: IOSN3

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

Month: SEP

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.7	*	*	-	*	-	*	*	*	*	*	*	*	0.8	104
1 - 3		0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.5	0.4	0.5	0.5	0.5	5.0	614
4 - 6		0.9	0.8	0.9	0.9	1.0	0.9	1.0	1.3	1.3	1.4	1.0	1.1	12.6	1554
7 - 10		1.5	1.7	1.6	1.1	1.6	2.7	2.3	2.3	2.7	2.4	2.4	2.0	24.3	2991
11 - 15		1.4	2.4	1.8	0.9	0.7	3.4	4.4	3.9	2.8	3.1	4.0	1.6	30.3	3734
16 - 20		0.8	1.2	0.9	0.3	0.3	1.9	3.4	3.0	2.0	1.5	2.4	0.9	18.6	2292
21 - 24		0.4	0.6	0.5	*	0.1	0.5	1.0	0.7	0.3	0.3	0.9	0.2	5.5	680
25 - 33		0.2	0.5	0.3	0.1	0.1	0.2	0.4	0.1	0.1	0.1	0.3	0.1	2.5	309
34 - 47		*	*	*	*	*	*	*	*	-	-	0.1	*	0.2	28
> 48		-	-	-	-	*	*	*	*	-	-	-	-	0.0	5
TOTAL %	0.7	5.5	7.6	6.5	3.7	4.3	10.1	12.9	11.9	9.7	9.3	11.6	6.3	100.0	
TOTAL N	84	683	938	795	450	526	1238	1592	1459	1189	1151	1426	780		12311

(\* &lt; 0.05%)

STATION: IOSN3

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

Month: OCT

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	*	-	*	-	-	-	*	*	*	*	-	*	0.6	81
1 - 3		0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	3.4	443
4 - 6		0.6	0.6	0.5	0.6	0.7	0.7	0.8	0.7	1.1	1.3	1.2	1.0	9.6	1266
7 - 10		1.2	1.4	1.0	0.8	1.0	1.8	1.9	2.3	2.4	2.8	2.5	1.8	20.9	2758
11 - 15		1.6	2.1	1.4	0.6	0.6	2.0	3.0	4.3	3.4	4.7	3.9	1.6	29.0	3829
16 - 20		1.3	1.5	0.8	0.3	0.5	1.4	2.7	3.0	2.3	3.4	3.4	1.0	21.7	2864
21 - 24		0.8	0.7	0.3	0.2	0.2	0.7	1.1	0.8	0.8	1.2	1.5	0.5	8.7	1143
25 - 33		0.6	0.9	0.6	0.2	0.2	0.4	0.2	0.2	0.3	0.4	1.0	0.3	5.4	714
34 - 47		0.1	0.3	0.2	0.1	0.1	*	*	-	-	*	0.1	*	0.9	114
> 48		-	-	-	-	-	-	-	-	-	-	-	-	0.0	0
TOTAL %	0.5	6.5	7.7	4.9	2.9	3.5	7.3	9.9	11.6	10.6	14.1	13.8	6.6	100.0	
TOTAL N	66	855	1018	652	381	462	971	1305	1530	1401	1867	1826	878		13212

(\* &lt; 0.05%)

STATION: IOSN3

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

Month: NOV

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.3	-	*	*	*	-	-	-	-	*	*	-	*	0.4	51
1 - 3		0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.4	3.2	416
4 - 6		0.8	0.6	0.4	0.5	0.6	0.4	0.5	0.6	0.8	0.7	0.9	0.9	7.8	996
7 - 10		1.1	1.1	0.6	1.0	0.7	0.7	1.0	1.5	1.7	2.3	2.6	1.8	16.2	2070
11 - 15		1.8	1.5	0.6	0.8	0.7	1.2	1.8	2.8	3.5	4.5	4.3	2.0	25.6	3273
16 - 20		1.7	1.7	0.7	0.4	0.4	1.1	2.1	2.9	3.0	4.4	5.4	1.1	24.8	3181
21 - 24		0.7	0.9	0.5	0.2	0.3	0.8	1.0	1.3	1.5	1.9	2.8	0.4	12.3	1579
25 - 33		0.9	1.2	0.3	0.2	0.2	0.9	0.4	0.4	0.6	1.1	2.2	0.2	8.5	1085
34 - 47		*	0.1	0.1	0.1	0.1	0.3	*	*	*	0.2	0.4	-	1.2	153
> 48		-	-	*	-	-	*	-	-	-	-	-	-	0.0	3
TOTAL %	0.3	7.3	7.2	3.3	3.3	3.1	5.6	7.0	9.7	11.5	15.7	18.9	7.0	100.0	
TOTAL N	38	939	922	424	425	398	722	897	1246	1467	2006	2422	901		12807

(\* &lt; 0.05%)

STATION: IOSN3

## 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	0.4	*	*	-	*	-	-	-	*	*	-	-	*	0.4	58
1 - 3		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	2.7	358
4 - 6		0.8	0.5	0.3	0.3	0.3	0.3	0.4	0.5	0.8	1.1	1.0	0.9	6.9	908
7 - 10		1.3	0.8	0.4	0.4	0.3	0.5	0.7	1.2	1.9	2.3	2.6	2.1	14.4	1894
11 - 15		1.9	1.3	0.7	0.6	0.4	0.6	1.0	2.1	3.5	4.3	5.2	2.4	24.0	3161
16 - 20		1.6	1.4	0.5	0.6	0.4	0.5	1.3	2.3	3.9	4.8	5.6	1.6	24.5	3225
21 - 24		1.0	0.9	0.3	0.4	0.3	0.2	0.6	1.4	1.8	2.9	3.2	0.5	13.5	1782
25 - 33		0.8	0.7	0.2	0.5	0.2	0.5	0.4	0.6	0.6	2.9	3.5	0.2	11.2	1471
34 - 47		0.1	0.5	0.2	0.1	*	0.1	0.1	*	0.1	0.5	0.5	-	2.2	294
> 48		*	*	-	-	-	*	-	-	-	-	-	-	0.0	6
TOTAL %	0.4	7.6	6.3	2.8	3.1	2.1	2.9	4.6	8.4	12.8	19.2	21.9	8.1	100.0	

TOTAL N 49 1001 826 362 403 279 375 608 1101 1685 2527 2876 1065 13157  
 (\* < 0.05%)

STATION: IOSN3

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

All Months: Annual

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.7	*	*	*	*	*	*	*	*	*	*	*	*	0.8	1173
1 - 3		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	4.2	6131
4 - 6		0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.9	1.1	1.2	1.1	0.9	10.3	15112
7 - 10		1.4	1.6	1.2	1.0	1.2	1.7	1.9	2.0	2.1	2.4	2.3	1.8	20.5	29981
11 - 15		1.6	2.2	1.2	0.8	0.8	2.4	3.2	3.1	3.0	3.5	3.7	1.8	27.2	39774
16 - 20		1.1	1.7	0.7	0.4	0.3	1.8	2.8	2.5	2.3	2.7	3.5	1.0	21.0	30615
21 - 24		0.5	0.8	0.4	0.2	0.2	0.6	1.0	0.9	0.8	1.2	1.9	0.3	9.0	13096
25 - 33		0.5	0.8	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.9	1.6	0.2	6.1	8939
34 - 47		*	0.2	0.1	*	*	0.1	*	*	*	0.1	0.2	*	0.9	1254
> 48		*	*	*	*	*	*	*	*	-	-	*	-	0.0	26
TOTAL %	0.7	6.3	8.3	4.9	3.5	3.7	8.1	10.6	10.1	10.0	12.5	14.7	6.6	100.0	
TOTAL N	968	9230	12148	7187	5140	5441	11872	15441	14825	14560	18252	21458	9579		146101

(\* < 0.05%)

STATION: IOSN3

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

Months: DEC, JAN, FEB (Winter)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.5	*	*	*	*	*	*	*	*	*	*	*	*	0.6	198
1 - 3		0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	2.9	1041
4 - 6		0.8	0.5	0.3	0.3	0.3	0.3	0.4	0.6	0.7	1.1	1.1	0.8	7.1	2562
7 - 10		1.4	0.9	0.5	0.4	0.4	0.5	0.8	1.2	1.7	2.3	2.5	2.2	14.8	5299
11 - 15		2.1	1.4	0.7	0.6	0.5	0.7	1.3	2.2	3.3	4.0	4.8	2.3	23.8	8545
16 - 20		1.7	1.6	0.6	0.5	0.3	0.6	1.3	2.5	3.4	4.4	5.8	1.4	24.0	8614
21 - 24		0.9	0.9	0.4	0.3	0.2	0.2	0.7	1.5	1.6	2.5	3.5	0.5	13.4	4805
25 - 33		1.0	1.1	0.3	0.3	0.2	0.4	0.5	0.8	0.8	2.6	3.5	0.2	11.6	4180
34 - 47		0.1	0.4	0.2	0.1	0.1	0.1	0.1	*	0.1	0.3	0.4	*	1.8	628
> 48		*	*	*	*	-	*	-	-	-	-	-	-	0.0	13
TOTAL %	0.5	8.2	6.9	3.2	2.7	2.1	3.1	5.2	8.9	11.9	17.6	22.0	7.8	100.0	
TOTAL N	169	2940	2481	1139	965	769	1099	1852	3190	4274	6311	7904	2792		35885

(\* < 0.05%)

STATION: IOSN3

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

Months: MAR, APR, MAY (Spring)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.8	*	*	*	*	*	*	*	*	*	*	*	*	0.9	320
1 - 3		0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	4.5	1587
4 - 6		0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	1.0	0.9	10.5	3710
7 - 10		1.4	2.2	1.6	1.3	1.7	2.2	2.1	1.5	1.4	1.7	1.9	1.5	20.7	7337
11 - 15		1.6	3.1	1.9	1.0	1.2	2.9	3.2	2.2	1.8	2.6	3.0	1.9	26.5	9397
16 - 20		1.2	2.6	1.1	0.5	0.4	2.4	2.8	1.8	1.2	2.0	3.2	1.3	20.5	7264
21 - 24		0.5	1.3	0.6	0.3	0.2	1.0	1.2	0.8	0.4	0.9	1.9	0.5	9.5	3381
25 - 33		0.4	1.0	0.5	0.1	0.2	0.6	0.7	0.2	0.2	0.5	1.5	0.3	6.2	2199
34 - 47		*	0.3	0.2	*	0.1	0.1	*	-	*	0.1	0.1	*	0.8	300
> 48		-	*	*	-	-	-	-	-	-	-	-	-	0.0	4
TOTAL %	0.8	6.4	11.7	7.1	4.6	4.9	10.5	11.3	7.7	6.3	9.2	12.9	6.6	100.0	
TOTAL N	274	2276	4156	2524	1616	1723	3720	4012	2726	2238	3282	4592	2360		35499

(\* < 0.05%)

STATION: IOSN3

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

Months: JUN, JUL, AUG (Summer)

WIND SPEED	CALM	WIND DIRECTION												TOT %	TOT N
		35-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34		
0	0.9	*	*	*	*	*	*	*	*	*	*	0.1	*	1.2	419
1 - 3		0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.4	0.5	5.6	2030
4 - 6		0.9	1.1	0.9	0.9	1.0	1.2	1.1	1.3	1.6	1.6	1.3	1.0	13.8	5024
7 - 10		1.4	1.9	1.5	1.2	1.5	2.4	3.0	3.1	3.1	2.9	2.4	1.8	26.2	9526
11 - 15		1.0	2.3	1.1	0.7	0.8	3.8	5.3	4.5	3.5	3.1	2.8	1.3	30.2	10996
16 - 20		0.4	1.1	0.4	0.2	0.3	2.7	4.4	2.8	1.9	1.4	1.4	0.4	17.6	6400
21 - 24		0.1	0.2	0.1	0.1	0.1	0.6	1.3	0.6	0.2	0.3	0.4	0.1	4.1	1508
25 - 33		0.1	0.1	*	0.1	0.1	0.1	0.3	0.1	*	0.1	0.1	*	1.2	452
34 - 47		-	*	*	*	*	*	*	*	-	*	*	*	0.1	31
> 48		-	-	-	-	-	-	-	-	-	-	*	-	0.0	1

TOTAL %	0.9	4.2	7.2	4.5	3.6	4.3	11.3	15.9	12.8	11.0	10.0	9.0	5.1	100.0
TOTAL N	337	1537	2633	1653	1303	1563	4122	5783	4674	3991	3635	3288	1868	36387

(\* < 0.05%)

STATION: IOSN3

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	0.5	*	*	*	*	-	*	*	*	*	*	*	*	*	0.6	236
1 - 3		0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	3.8	1473	
4 - 6		0.8	0.7	0.6	0.7	0.8	0.7	0.8	0.8	1.1	1.1	1.0	1.0	10.0	3816	
7 - 10		1.3	1.4	1.1	0.9	1.1	1.7	1.7	2.0	2.3	2.5	2.5	1.9	20.4	7819	
11 - 15		1.6	2.0	1.3	0.8	0.7	2.2	3.0	3.6	3.2	4.1	4.0	1.7	28.3	10836	
16 - 20		1.3	1.5	0.8	0.3	0.4	1.5	2.7	3.0	2.4	3.1	3.7	1.0	21.8	8337	
21 - 24		0.6	0.7	0.4	0.1	0.2	0.6	1.0	1.0	0.9	1.2	1.7	0.4	8.9	3402	
25 - 33		0.5	0.9	0.4	0.2	0.2	0.5	0.3	0.2	0.3	0.5	1.2	0.2	5.5	2108	
34 - 47		*	0.1	0.1	0.1	0.1	0.1	*	*	*	0.1	0.2	*	0.8	295	
> 48		-	-	*	-	*	*	*	*	-	-	-	-	0.0	8	
TOTAL %	0.5	6.5	7.5	4.9	3.3	3.6	7.6	9.9	11.0	10.6	13.1	14.8	6.7	100.0		
TOTAL N	188	2477	2878	1871	1256	1386	2931	3794	4235	4057	5024	5674	2559	38330		

(\* < 0.05%)

Summary complete: 08-Sep-2003 19:44:17