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A Climatological Study of the
AFGL Mesonet
Volume II

H. ALBERT BROWN

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Chief Scientist

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20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This volume is a five-part statistical summary of surface weather observations collected by 13 stations of the AFGL Mesonetwork during the period September 1972 through August 1973. Section 1 gives the monthly and annual cumulative percentage frequencies of extinction coefficient. Section 2 contains the diurnal cumulative percentage frequency of extinction coefficient for each month of the twelve-month period. Section 3 shows the annual and monthly percentage frequency distribution of wind speeds in 12 classes. Section 4 contains the diurnal percentage frequency distribution of wind speed for each		

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20. Abstract (Continued)

month of the twelve-month period. Section 5 presents a monthly and annual bivariate percentage frequency distribution of wind direction and speed.

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A Climatological Study of the AFGL Mesonetwork, Volume II

1. INTRODUCTION

Thirteen stations of the AFGL Mesonetwork were selected, based on geographical and topographical (see Volume I) considerations, to illustrate the extinction coefficient (visibility) and wind variations that occurred on the mesoscale during the first year of data collection, September 1972 through August 1973. Tabulations were prepared from one-minute average observations of the particular variable recorded by the station. Preceding each section is a brief description of the data format. The summaries have been prepared using the Air Weather Service ETAC Revised Uniform Weather Summary (RUSSWO) as a model.

(Received for publication 8 January 1982)

2. MONTHLY CUMULATIVE PERCENTAGE FREQUENCY OF EXTINCTION COEFFICIENT

This summary is a cumulative percentage frequency distribution of extinction coefficient (EXCO) in 12 classes from $0 \times 10^{-4} \text{ m}^{-1}$ to equal to or greater than $320 \times 10^{-4} \text{ m}^{-1}$.

The total number of one-minute observations for each month and for the year are included. The totals are summed from the right to the left, that is, from high extinction coefficients to low. Using Koschmeider's Law and a contrast threshold of 0.055, daytime visibility equivalent to EXCO's can be obtained. For example, EXCO of 3×10^{-4} , 20×10^{-4} and $80 \times 10^{-4} \text{ m}^{-1}$ are equivalent to visibilities of 9667, 1450, and 362 m. Thus the cumulative frequencies refer to the percentage of observations that equaled or exceeded a certain EXCO, that is, the percentage of observations that equaled or were below the equivalent daytime visibility.

RELATIVE PERCENTAGE FREQUENCY OF
 TRANSMISSION EFFICIENCY (X10-4 M-1)
 (FOR ONE MINUTE AVERAGES)

STATION	5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	TOT
SEP	100.00	18.00	11.00	8.10	6.33	4.30	3.07	3.18	2.30	2.46	.82	.04	24507									
SEP	100.00	21.05	14.07	11.07	8.24	4.24	3.27	2.75	2.28	2.06	1.22	.04	22536									
SEP	100.00	11.0	8.20	4.47	2.68	.25	.15	.07	.05	.03	.02	.01	15761									
SEP	100.00	9.59	29.97	22.79	12.73	5.49	3.39	2.10	.93	.59	.00		31715									
SEP	100.00	11.64	8.57	4.70	2.05	1.59	1.01	.50	.46	.35	.13		25971									
SEP	100.00	17.53	12.8	7.70	4.53	2.25	1.32	1.21	.56	.72	.02		29398									
SEP	100.00	34.7	15.17	11.45	13.74	10.22	8.21	7.06	5.15	4.25	1.24	.18	30485									
SEP	100.00	17.89	21.01	18.81	17.31	13.44	8.46	7.64	5.50	2.05	.91		37339									
SEP	100.00	16.28	17.90	13.80	10.56	5.56	3.76	3.25	2.64	2.15	.56	.10	41545									
SEP	100.00	41.35	11.40	12.03	23.04	16.59	13.23	12.89	11.75	10.82	7.37	3.10	40001									
SEP	100.00	21.00	21.44	15.17	12.43	5.95	4.89	4.50	3.91	3.58	2.82	1.43	35897									
SEP	100.00	20.54	40.21	23.99	23.26	10.30	14.62	13.62	12.75	12.05	9.12	1.91	26011									
TOT	100.00	30.01	20.82	16.76	10.20	6.10	6.11	5.32	4.48	3.67	2.25	.65	360958									
STATION	7	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	TOT
SEP	100.00	37.69	16.54	10.31	6.11	3.24	2.14	3.56	2.65	2.42	.68		24270									
SEP	100.00	13.0	15.0	11.0	8.19	1.1	3.51	3.29	3.08	2.86	2.35	.81	22177									
SEP	100.00	13.00	1.9	2.34	4.4	1.05	1.05	.45	.10	.02			31353									
SEP	100.00	17.20	21.41	17.41	13.10	6.75	4.51	3.46	2.39	1.75	.44	.02	35577									
SEP	100.00	12.91	8.07	6.21	4.68	2.42	1.01	.35					28862									
SEP	100.00	20.27	15.17	11.65	8.00	2.11	1.20	.97	.77	.70	.29		32492									
SEP	100.00	29.60	19.4	17.11	10.41	10.25	6.05	7.60	6.40	5.46	3.44	.67	28711									
SEP	100.00	16.71	14.67	10.25	11.54	4.45	2.74	2.33	2.12	2.01	1.37		39617									
SEP	100.00	22.20	15.81	14.31	11.10	4.13	3.74	2.17	1.65	1.47	.63	.00	33130									
SEP	100.00	31.25	21.11	17.11	14.28	9.34	8.11	7.38	6.37	5.91	4.28	.41	39565									
SEP	100.00	17.60	15.91	11.05	8.25	3.13	2.66	2.42	1.98	1.58	.97	.07	35694									
SEP	100.00	20.30	29.43	21.15	16.26	10.76	9.69	8.67	7.94	7.39	5.84	1.05	25168									
TOT	100.00	23.76	16.66	13.24	10.04	6.45	4.13	3.51	2.90	2.57	1.64	.22	383915									
STATION	9	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	TOT
SEP	100.00	21.01	16.51	11.17	11.70	10.11	11.04	9.10	8.70	8.41	6.55	1.39	24053									
SEP	100.00	17.01	12.01	10.01	11.03	6.1	11.02	5.36	4.76	4.46	3.94	2.85	18156									
SEP	100.00	17.00	12.00	9.00	10.01	2.91	11.04	1.24	1.01	.86	.52		27505									
SEP	100.00	31.00	23.00	21.00	24.00	17.04	12.01	13.10	11.03	11.17	7.71	1.19	36041									
SEP	100.00	10.01	10.01	10.01	11.00	9.22	11.01	6.42	4.93	4.44	2.12	.20	19262									
SEP	100.00	19.40	17.40	13.10	10.10	6.10	4.32	3.46	2.54	2.07	1.40	.92	21023									
SEP	100.00	31.00	23.00	21.00	24.00	17.04	12.01	13.10	11.03	11.17	7.71	1.19	26505									
SEP	100.00	17.01	12.01	10.01	11.03	6.1	11.02	5.36	4.76	4.46	3.94	2.85	18156									
SEP	100.00	17.00	12.00	9.00	10.01	2.91	11.04	1.24	1.01	.86	.52		27505									
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SEP	100.00	31.00	23.00	21.00	24.00	17.04	12.01	13.10	11.03	11.17	7.71	1.19	36041									
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SEP	100.00	17.01	12.01	10.01	11.03	6.1	11.02	5.36	4.76	4.46	3.94	2.85	18156									
SEP	100.00	17.00	12.00	9.00	10.01	2.91	11.04	1.24	1.01	.86	.52		27505									
SEP	100.00	31.00	23.00	21.00	24.00	17.04	12.01	13.10	11.03	11.17	7.71	1.19	36041									
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SEP	100.00	10.01	10.01	10.01	11.00	9.22	11.01	6.42	4.93	4.44	2.12	.20	19262									
SEP	100.00	19.40	17.40	13.10	10.10	6.10	4.32	3.46	2.54	2.07	1.40	.92	21023									
SEP	100.00	31.00	23.00	21.00	24.00	17.04	12.01	13.10	11.03	11.17	7.71	1.19	26505									
SEP	100.00	17.01	12.01	10.01	11.03	6.1	11.02	5.36	4.76	4.4												

TABLE 1
 COEFFICIENTS OF
 EXPANSION OF
 POLYMER ALKYLACES

TEMPERATURE, °C	20	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	185	187	189	191	193	195	197	199	201	203	205	207	209	211	213	215	217	219	221	223	225	227	229	231	233	235	237	239	241	243	245	247	249	251	253	255	257	259	261	263	265	267	269	271	273	275	277	279	281	283	285	287	289	291	293	295	297	299	301	303	305	307	309	311	313	315	317	319	321	323	325	327	329	331	333	335	337	339	341	343	345	347	349	351	353	355	357	359	361	363	365	367	369	371	373	375	377	379	381	383	385	387	389	391	393	395	397	399	401	403	405	407	409	411	413	415	417	419	421	423	425	427	429	431	433	435	437	439	441	443	445	447	449	451	453	455	457	459	461	463	465	467	469	471	473	475	477	479	481	483	485	487	489	491	493	495	497	499	501	503	505	507	509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	547	549	551	553	555	557	559	561	563	565	567	569	571	573	575	577	579	581	583	585	587	589	591	593	595	597	599	601	603	605	607	609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647	649	651	653	655	657	659	661	663	665	667	669	671	673	675	677	679	681	683	685	687	689	691	693	695	697	699	701	703	705	707	709	711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743	745	747	749	751	753	755	757	759	761	763	765	767	769	771	773	775	777	779	781	783	785	787	789	791	793	795	797	799	801	803	805	807	809	811	813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843	845	847	849	851	853	855	857	859	861	863	865	867	869	871	873	875	877	879	881	883	885	887	889	891	893	895	897	899	901	903	905	907	909	911	913	915	917	919	921	923	925	927	929	931	933	935	937	939	941	943	945	947	949	951	953	955	957	959	961	963	965	967	969	971	973	975	977	979	981	983	985	987	989	991	993	995	997	999	1001	1003	1005	1007	1009	1011	1013	1015	1017	1019	1021	1023	1025	1027	1029	1031	1033	1035	1037	1039	1041	1043	1045	1047	1049	1051	1053	1055	1057	1059	1061	1063	1065	1067	1069	1071	1073	1075	1077	1079	1081	1083	1085	1087	1089	1091	1093	1095	1097	1099	1101	1103	1105	1107	1109	1111	1113	1115	1117	1119	1121	1123	1125	1127	1129	1131	1133	1135	1137	1139	1141	1143	1145	1147	1149	1151	1153	1155	1157	1159	1161	1163	1165	1167	1169	1171	1173	1175	1177	1179	1181	1183	1185	1187	1189	1191	1193	1195	1197	1199	1201	1203	1205	1207	1209	1211	1213	1215	1217	1219	1221	1223	1225	1227	1229	1231	1233	1235	1237	1239	1241	1243	1245	1247	1249	1251	1253	1255	1257	1259	1261	1263	1265	1267	1269	1271	1273	1275	1277	1279	1281	1283	1285	1287	1289	1291	1293	1295	1297	1299	1301	1303	1305	1307	1309	1311	1313	1315	1317	1319	1321	1323	1325	1327	1329	1331	1333	1335	1337	1339	1341	1343	1345	1347	1349	1351	1353	1355	1357	1359	1361	1363	1365	1367	1369	1371	1373	1375	1377	1379	1381	1383	1385	1387	1389	1391	1393	1395	1397	1399	1401	1403	1405	1407	1409	1411	1413	1415	1417	1419	1421	1423	1425	1427	1429	1431	1433	1435	1437	1439	1441	1443	1445	1447	1449	1451	1453	1455	1457	1459	1461	1463	1465	1467	1469	1471	1473	1475	1477	1479	1481	1483	1485	1487	1489	1491	1493	1495	1497	1499	1501	1503	1505	1507	1509	1511	1513	1515	1517	1519	1521	1523	1525	1527	1529	1531	1533	1535	1537	1539	1541	1543	1545	1547	1549	1551	1553	1555	1557	1559	1561	1563	1565	1567	1569	1571	1573	1575	1577	1579	1581	1583	1585	1587	1589	1591	1593	1595	1597	1599	1601	1603	1605	1607	1609	1611	1613	1615	1617	1619	1621	1623	1625	1627	1629	1631	1633	1635	1637	1639	1641	1643	1645	1647	1649	1651	1653	1655	1657	1659	1661	1663	1665	1667	1669	1671	1673	1675	1677	1679	1681	1683	1685	1687	1689	1691	1693	1695	1697	1699	1701	1703	1705	1707	1709	1711	1713	1715	1717	1719	1721	1723	1725	1727	1729	1731	1733	1735	1737	1739	1741	1743	1745	1747	1749	1751	1753	1755	1757	1759	1761	1763	1765	1767	1769	1771	1773	1775	1777	1779	1781	1783	1785	1787	1789	1791	1793	1795	1797	1799	1801	1803	1805	1807	1809	1811	1813	1815	1817	1819	1821	1823	1825	1827	1829	1831	1833	1835	1837	1839	1841	1843	1845	1847	1849	1851	1853	1855	1857	1859	1861	1863	1865	1867	1869	1871	1873	1875	1877	1879	1881	1883	1885	1887	1889	1891	1893	1895	1897	1899	1901	1903	1905	1907	1909	1911	1913	1915	1917	1919	1921	1923	1925	1927	1929	1931	1933	1935	1937	1939	1941	1943	1945	1947	1949	1951	1953	1955	1957	1959	1961	1963	1965	1967	1969	1971	1973	1975	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023	2025	2027	2029	2031	2033	2035	2037	2039	2041	2043	2045	2047	2049	2051	2053	2055	2057	2059	2061	2063	2065	2067	2069	2071	2073	2075	2077	2079	2081	2083	2085	2087	2089	2091	2093	2095	2097	2099	2101	2103	2105	2107	2109	2111	2113	2115	2117	2119	2121	2123	2125	2127	2129	2131	2133	2135	2137	2139	2141	2143	2145	2147	2149	2151	2153	2155	2157	2159	2161	2163	2165	2167	2169	2171	2173	2175	2177	2179	2181	2183	2185	2187	2189	2191	2193	2195	2197	2199	2201	2203	2205	2207	2209	2211	2213	2215	2217	2219	2221	2223	2225	2227	2229	22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[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
(FROM ONE MINUTE AVERAGES)

STATION 22 APY													
	≥0	≥3	≥5	≥7	≥10	≥20	≥30	≥40	≥60	≥80	≥160	≥320	TOT
SEP	100.00	72.36	18.32	13.16	8.14	4.49	3.44	2.76	1.75	1.07	.22	.00	24338
OCT	100.00	24.79	15.82	11.28	8.34	4.21	3.13	2.69	2.70	2.62	2.18	.72	22568
NOV	100.00	17.77	9.69	5.71	3.48	.89	.35	.31	.26	.23	.07		31598
DEC	100.00	37.97	29.86	27.55	15.52	7.51	4.69	3.49	2.85	2.45	1.43	.03	39517
JAN	100.00	12.48	8.50	6.21	4.24	1.71	.68	.38	.14	.12	.10	.02	28887
FEB	100.00	20.35	12.53	7.93	4.44	1.07	.56	.42	.11	.02			31560
MAR	100.00	25.68	15.21	12.08	11.05	7.70	5.12	3.33	2.57	1.76	.26		36781
APR	100.00	15.34	11.52	8.34	4.90	1.56	1.10	.89	.67	.42	.08	.00	39641
MAY	100.00	17.68	11.07	6.12	5.70	3.52	3.00	2.41	1.76	1.30			20085
JUN													0
JUL	100.00	43.89	37.52	25.83	20.07	12.60	10.10	8.75	7.77	6.97	5.29	1.16	5237
AUG													0
TOT	100.00	23.32	15.58	11.24	7.90	3.82	2.56	1.96	1.51	1.19	.57	.09	274212
STATION 23 EPN													
	≥0	≥3	≥5	≥7	≥10	≥20	≥30	≥40	≥60	≥80	≥160	≥320	TOT
SEP	100.00	27.19	17.37	12.27	9.06	5.34	3.89	3.02	1.99	1.81	.65	.09	18681
OCT	100.00	17.52	11.01	8.47	5.65	3.46	2.98	2.85	2.60	2.45	1.10	.12	22452
NOV	100.00	12.20	8.01	5.11	3.22	.82	.52	.48	.41	.33	.15	.02	31135
DEC	100.00	37.70	29.54	22.53	17.17	8.45	5.21	3.52	2.78	2.32	1.38	.11	39590
JAN	100.00	14.25	9.27	6.95	4.31	2.36	.95	.34	.12	.06	.04	.02	29184
FEB	100.00	15.98	9.97	6.91	4.28	1.73	.55	.39	.05	.01			32215
MAR	100.00	25.68	16.21	12.47	11.10	5.40	5.58	3.72	2.81	1.99	.44		30780
APR	100.00	16.06	12.09	9.24	5.60	1.79	1.17	.92	.67	.42	.05		39641
MAY	100.00	22.61	13.63	9.60	6.19	2.62	1.77	1.54	1.26	.87	.01	.01	37217
JUN	100.00	26.31	15.40	13.63	9.71	5.10	3.82	3.23	2.59	2.04	.58	.12	37109
JUL	100.00	22.49	18.09	13.64	7.35	3.69	2.81	2.37	2.00	1.75	1.21	.32	38238
AUG	100.00	46.03	25.55	15.33	6.88	2.96	2.49	2.23	1.61	1.47	.78		25785
TOT	100.00	24.35	15.99	11.61	7.81	3.84	2.53	2.03	1.57	1.27	.53	.07	382031
STATION 26 TALL													
	≥0	≥3	≥5	≥7	≥10	≥20	≥30	≥40	≥60	≥80	≥160	≥320	TOT
SEP													0
OCT													0
NOV													0
DEC													0
JAN													0
FEB													0
MAR	100.00	30.63	19.07	14.96	13.20	10.72	9.16	7.49	5.12	4.07	1.52	.07	28453
APR	100.00	21.35	15.72	12.00	7.40	2.40	1.67	1.21	.92	.77	.18		34345
MAY	100.00	18.43	11.94	8.19	5.15	2.25	1.76	1.65	1.54	1.28	.71		39426
JUN	100.00	32.32	19.05	14.10	10.24	5.20	3.92	3.47	2.93	2.55	1.30	.06	35591
JUL	100.00	27.21	15.04	11.68	4.30	.94	.74	.62	.48	.40	.27	.10	35995
AUG	100.00	39.48	24.22	14.76	8.85	4.40	3.60	3.04	2.62	2.35	1.66	.42	26247
TOT	100.00	27.94	17.69	11.69	7.53	4.09	3.25	2.74	2.16	1.83	.90	.09	204049

CUMULATIVE PERCENTAGE FREQUENCY OF
COLLECTION COEFFICIENT (X10-4 M-1)
(FROM ONE MINUTE AVERAGES)

STATION 28	TAP	≥ 0	≥ 3	≥ 5	≥ 7	≥ 10	≥ 20	≥ 30	≥ 40	≥ 60	≥ 80	≥ 100	≥ 320	TOT
SEP	100.00	31.07	16.14	12.47	9.70	7.60	5.56	4.81	3.70	3.27	1.88			21404
OCT	100.00	21.84	12.57	10.29	8.9	4.99	4.21	3.94	3.53	3.4	1.56	1.61		22177
NOV	100.00	16.50	8.93	5.96	3.05	.97	.47	.32	.22	.16	.02			31139
DEC	100.00	1.43	1.30	1.20	1.00	.31	.23	.19	.09	.04	.02			3331
JAN	100.00	10.51	7.35	5.00	4.05	1.90	.86	.35	.06	.03	.01			2770
FEB	100.00	15.96	12.77	7.09	5.37	1.81	1.06	.87	.64	.55	.35	.02		32021
MAR	100.00	20.03	17.57	14.14	12.60	10.24	9.23	8.59	7.51	6.66	3.53	.21		30713
APR	100.00	16.60	12.57	5.03	1.02	2.01	1.53	1.35	1.19	1.09	.68			39616
MAY	100.00	19.01	13.01	9.65	6.72	2.85	2.02	1.81	1.67	1.60	1.33	.02		41584
JUN	100.00	20.65	18.33	14.27	10.10	5.84	4.48	3.96	3.52	3.24	2.48	.36		40179
JUL	100.00	25.09	13.21	6.06	4.27	.98	.64	.53	.45	.39	.26	.21		35894
AUG	100.00	40.77	25.19	.9	9.45	5.40	4.62	4.30	3.83	3.53	2.52	1.13		26272
TOT	100.00	20.68	13.01	9.41	6.59	3.50	2.74	2.43	2.09	1.89	1.25	.25		381479

3. DIURNAL CUMULATIVE PERCENTAGE FREQUENCY OF EXTINCTION COEFFICIENT

This section contains the cumulative frequency distribution of EXCO in the same classes and for the 13 stations included in Section 2. This summary contains percentage frequencies summed over three-hour intervals for each month of the twelve-month study and the cumulative percentage frequency for the month. The total number of one-minute observations occurring in each three-hour period is shown together with the total number of observations for the month.

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 3 PLM	JAN								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	1.42	11.22	13.41	12.92	12.50	17.67	21.58	8.61	12.84
>=5	4.64	5.75	7.27	5.79	4.05	4.52	10.91	3.55	5.59
>=7	4.14	3.82	4.39	4.56	2.98	2.23	10.55	2.59	4.14
>=10	3.04	2.85	3.56	3.46	.87	.56	10.43	1.87	3.05
>=20	1.04	.56	2.40	2.35	.23		8.24	.37	1.59
>=30	.03	.17	2.15	2.18	.10		4.62		1.01
>=40		.02	1.94	1.99			2.90		.80
>=60			1.31	1.64					.46
>=80			1.04	1.23					.35
>=160			.10	.74					.13
>=320									

TOT 3941 4137 3960 4079 2991 1969 1687 3207 25971

STATION 3 PLM	FEB								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.77	16.17	27.42	24.89	22.80	17.20	18.23	13.67	19.50
>=5	11.27	8.28	16.90	20.81	18.40	13.43	12.99	9.24	13.82
>=7	8.82	6.27	12.70	17.47	14.15	11.62	10.33	6.58	10.88
>=10	6.67	5.62	7.09	11.67	10.15	10.48	7.44	3.02	7.59
>=20	.37	2.32	.59	2.42	2.46	8.99	2.80	.22	2.25
>=30	.02			1.88		8.46	2.12		1.32
>=40				1.50		8.10	2.00		1.21
>=60				.13		6.54	1.86		.86
>=80						5.37	1.77		.72
>=160							.14		.02
>=320									

TOT 4046 3828 3906 3926 3250 2814 3495 4133 29398

STATION 3 PLM	MAR								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	35.09	24.28	22.77	33.64	37.44	39.75	36.67	38.19	34.71
>=5	24.78	22.37	17.65	22.95	28.98	30.85	29.63	26.01	25.17
>=7	22.79	20.22	17.19	18.59	23.78	28.03	24.18	18.62	21.48
>=10	21.52	18.59	17.01	17.22	20.08	24.64	19.01	12.67	18.74
>=20	11.43	13.49	16.91	14.80	14.64	15.44	11.30	6.50	13.02
>=30	5.35	11.99	15.54	10.08	12.14	9.28	5.18	3.86	9.21
>=40	2.99	11.27	13.18	6.67	9.96	6.37	2.26	3.31	7.06
>=60	1.19	10.51	11.89	5.30	7.16	2.95		1.37	5.15
>=80	.78	10.14	10.42	4.34	5.31	1.67		.47	4.25
>=160	.29	6.04	4.06	1.57	1.93	.33			1.84
>=320		1.06	.28						.18

TOT 4112 4055 3944 3960 3675 3361 3362 4017 30486

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION	3 PLM	APR								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	32.65	29.49	26.12	23.91	29.18	27.17	28.45	26.08	27.89	
>=5	22.71	19.19	18.84	18.52	23.40	19.63	19.42	18.73	20.05	
>=7	20.32	17.80	18.73	16.52	22.05	19.22	16.74	17.02	18.80	
>=10	17.46	15.77	18.31	15.52	20.99	18.94	14.66	13.92	17.31	
>=20	12.77	13.56	13.06	13.85	15.52	14.06	12.62	12.93	13.54	
>=30	7.76	8.97	11.19	11.32	8.68	4.43	7.04	7.62	8.48	
>=40	6.86	8.23	11.22	11.11	7.47	2.96	6.99	7.35	7.84	
>=60	5.93	6.26	8.26	7.41	4.21	2.27	4.97	7.33	5.90	
>=80	1.92	1.41	3.71	3.70	2.45	1.28	.68	1.05	2.05	
>=160			3.53	2.63	.97				.91	
>=320										

TOT 5011 4826 4794 4860 4445 4361 4264 4778 37339

STATION	3 PLM	MAY								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	28.65	26.50	31.43	33.51	21.75	21.22	25.46	20.34	26.26	
>=5	18.62	19.59	21.75	19.27	18.19	15.05	16.74	14.88	17.92	
>=7	17.17	17.15	17.74	13.32	12.77	10.91	10.72	10.13	13.80	
>=10	16.76	15.32	15.31	10.50	6.33	6.35	6.79	6.17	10.56	
>=20	8.97	10.13	9.05	5.63	.54	2.32	3.45	2.18	5.38	
>=30	8.24	8.26	6.24	2.96	.12	1.67	1.94	.20	3.78	
>=40	7.56	7.55	5.33	1.67	.10	1.45	1.84		3.25	
>=60	6.53	6.50	4.09	.90		.95	1.74		2.64	
>=80	6.00	4.44	3.37	.58		.91	1.60		2.15	
>=160	3.42	.62	1.44			.69	1.40		.96	
>=320						.48	.32		.10	

TOT 5317 5340 5400 5331 4833 4958 4989 5378 41546

STATION	3 PLM	JUN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	46.98	45.01	53.12	51.03	41.47	27.59	39.62	47.25	43.85	
>=5	34.24	37.13	39.29	37.61	30.43	21.05	24.61	26.07	31.43	
>=7	29.81	36.08	35.40	32.11	28.29	16.95	18.51	22.33	27.33	
>=10	25.67	33.68	31.90	26.57	25.18	13.81	11.35	15.96	23.04	
>=20	20.55	24.17	23.25	19.77	22.37	9.17	4.91	9.08	16.59	
>=30	18.27	21.99	20.13	16.49	20.56	5.50	1.42	7.57	13.93	
>=40	17.27	20.98	18.34	15.94	18.71	4.50	.95	6.99	12.89	
>=60	16.15	15.35	16.53	15.28	16.11	3.75	.83	6.55	11.75	
>=80	15.04	16.12	14.95	14.60	14.22	3.44	.55	6.16	10.82	
>=160	11.56	14.92	8.60	10.12	7.95	2.14	.34	3.71	7.37	
>=320	6.96	6.61	.47	2.66	3.48	.89	.12	3.59	3.10	

TOT 5026 5039 4859 4693 5146 5150 5068 5020 40001

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(SMT)

STATION	3 PLM	JUL								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	51.00	50.99	51.82	31.80	26.64	15.73	16.42	32.75	34.30	
>=5	32.20	34.44	31.17	20.47	14.90	12.95	11.71	15.70	21.44	
>=7	17.51	28.54	26.13	15.26	12.80	12.58	8.21	10.05	16.17	
>=10	11.69	25.08	18.15	11.90	8.90	10.55	5.45	7.93	12.43	
>=20	8.71	12.29	4.80	1.23	6.31	3.45	3.08	6.43	5.85	
>=30	7.47	10.89	2.21	.23	5.93	2.65	3.00	5.97	4.89	
>=40	6.82	10.30	1.38	.13	5.47	2.29	3.00	5.83	4.50	
>=60	5.79	9.28	.51	.05	4.64	1.75	2.98	5.54	3.91	
>=80	4.91	8.90	.10	.03	4.13	1.60	2.91	5.33	3.58	
>=160	4.20	7.24			3.48	.93	1.78	4.37	2.82	
>=320	1.24	4.81			1.91	.37		2.82	1.43	

TOT 4500 4474 4122 3991 4719 4633 4003 4855 35897

STATION	3 PLM	AUG								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	55.49	74.60	73.76	71.22	60.16	46.74	52.99	47.21	60.54	
>=5	41.72	52.54	55.34	51.78	37.36	30.29	21.43	28.21	40.21	
>=7	26.09	42.08	40.25	43.02	27.55	26.09	17.39	15.90	29.98	
>=10	19.71	35.17	32.90	32.04	21.54	23.10	12.40	9.40	23.26	
>=20	15.27	27.29	28.28	26.08	13.32	8.89	5.07	4.54	16.30	
>=30	14.55	26.99	27.70	23.45	10.28	4.10	3.90	3.97	14.62	
>=40	14.23	26.66	27.32	22.26	8.34	2.17	3.65	3.86	13.82	
>=60	13.68	25.70	25.66	20.67	6.78	.61	3.33	3.67	12.79	
>=80	13.26	25.01	24.57	19.59	6.22	.47	1.95	3.26	12.05	
>=160	11.73	20.02	17.81	15.88	3.89			2.01	9.12	
>=320	5.36	4.93	1.93	2.33	.41			.30	1.91	

TOT 3378 3327 3419 3343 3394 2948 2823 3679 26011

STATION	3 PLM	SEP								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	26.83	24.82	22.78	21.67	11.93	7.09	15.30	13.52	18.60	
>=5	12.53	16.03	15.65	16.00	6.11	3.19	8.70	6.91	11.06	
>=7	10.23	14.17	11.34	9.88	4.46	2.11	4.53	5.84	8.10	
>=10	6.43	13.31	10.93	6.44	2.72	1.33	2.17	5.38	6.36	
>=20	4.58	8.61	9.09	5.09	1.41		.61	2.30	4.30	
>=30	4.35	6.20	9.57	4.84			.42	1.95	3.67	
>=40	4.32	3.85	8.22	4.53			.23	1.78	3.18	
>=60	4.29	3.66	7.07	4.04			.10	1.59	2.80	
>=80	4.29	3.23	5.22	3.92			.06	1.46	2.46	
>=160	1.34	.37	2.72	.96					.82	
>=320			.31						.04	

TOT 3452 3271 3240 3244 2129 2791 3092 3084 24307

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION	3 PLM	OCT							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	18.75	14.95	23.38	25.72	22.45	18.17	25.53	26.54	21.95
>=5	8.67	8.16	14.73	20.92	15.08	12.01	16.34	14.73	14.04
>=7	4.13	6.07	10.43	19.36	10.90	10.74	13.69	11.33	11.07
>=10	.80	2.17	7.64	16.62	8.85	8.30	12.01	7.67	8.24
>=20			5.27	12.33	4.56	3.17	5.01	.44	4.24
>=30			4.98	10.66	2.24	1.78	3.33		3.27
>=40			4.85	9.68	1.33	.36	2.74		2.76
>=50			4.68	8.34	.76		1.56		2.28
>=80			4.44	8.01	.65		.46		2.06
>=160			2.70	5.05	.08				1.22
>=320									

TOT 2758 2769 3375 3585 2633 2747 2374 2295 22536

STATION	3 PLM	NOV							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	6.96	2.11	10.64	9.84	25.39	26.08	12.52	2.84	11.98
>=5	6.61	.09	2.81	9.33	11.48	13.15	6.26	.42	6.21
>=7	5.92	.09	.50	9.14	9.37	6.57	4.34	.30	4.47
>=10	4.83	.09	.36	5.67	7.74	1.72	1.49		2.68
>=20	.06		.32	.47	.87	.16	.14		.25
>=30	.06		.23	.37	.22	.16	.10		.15
>=40			.05	.23	.16	.10			.07
>=60				.23	.11	.10			.06
>=80				.14		.10			.03
>=160				.09		.05			.02
>=320				.05					.01

TOT 1739 2183 2208 2134 1847 1917 2076 1657 15761

STATION	3 PLM	DEC							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	38.71	32.89	34.05	41.04	51.97	50.41	36.71	32.80	39.58
>=5	30.47	30.47	27.73	33.93	36.06	36.70	25.60	24.14	29.91
>=7	22.66	27.26	21.36	19.55	26.34	29.90	18.36	16.90	22.72
>=10	17.08	21.49	9.26	5.47	17.65	25.89	12.74	9.04	14.78
>=20	9.63	5.73	.02	.05	8.28	14.05	4.73	4.83	5.89
>=30	6.70	3.13		.05	4.63	7.28	2.26	2.89	3.38
>=40	4.04	1.71		.05	3.39	5.03	1.52	1.11	2.10
>=60	1.40	.42		.05	2.84	2.51	.11	.34	.93
>=80	.41			.02	2.43	1.93		.19	.59
>=160								.02	.00
>=320									

TOT 4361 4086 3877 4020 3625 3779 3406 4159 31715

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINGUISHING COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION	7 NIP	JAN							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	13.13	12.13	11.97	10.59	16.78	13.58	19.61	9.56	12.81
>=5	8.18	7.95	7.50	5.05	11.34	9.67	15.59	.82	8.07
>=7	7.21	6.83	5.00	3.98	5.31	8.65	14.14	.01	6.25
>=10	5.56	5.32	3.11	3.69	2.76	8.14	12.91	3.53	4.96
>=20	1.77	2.46	1.45	1.67	.25	5.67	5.27	.17	2.22
>=30	.38	.80	.49	.65	.13	4.37	4.77		1.01
>=40	.07	.13	.18	.02	.06	1.67	2.41		.35
>=60									
>=80									
>=160									
>=320									

TOT 4464 4640 4496 4405 3183 2150 1867 3567 28862

STATION	7 NIP	FEB							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	19.32	14.42	25.05	32.85	28.13	18.18	14.62	13.16	20.87
>=5	15.60	7.99	19.70	22.86	21.84	14.21	9.39	9.33	15.13
>=7	13.33	6.70	13.89	17.69	17.38	12.47	6.78	5.52	11.65
>=10	8.38	4.77	8.96	12.69	12.98	10.24	4.69	3.72	8.20
>=20	1.20	.49	1.16	3.52	3.62	7.67	1.11	.94	2.30
>=30	.14	.34		1.44	1.02	7.77	.83	.04	1.20
>=40		.10		.67	.67	6.77	.5		.7
>=60				.14	.54	6.11	.42		.7
>=80					.40	5.78	.59		.0
>=160					.03	2.81			.29
>=320									

TOT 4405 4105 4293 4317 3729 3272 3878 4430 32495

STATION	7 NIP	MAR							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	27.45	29.84	15.18	21.79	29.28	28.29	27.16	28.12	25.88
>=5	18.39	19.52	15.18	16.03	25.39	25.37	24.56	16.63	19.69
>=7	16.31	19.62	15.04	14.11	19.13	23.83	21.04	10.55	17.11
>=10	12.31	13.98	15.04	12.92	13.03	19.59	16.67	5.26	13.41
>=20	10.23	10.55	15.04	5.67	8.45	16.13	9.46	4.52	10.39
>=30	9.82	9.00	14.21	3.78	6.63	10.15	6.29	4.60	8.85
>=40	9.06	7.72	13.50	5.58	7.05	7.45	4.14	4.60	7.60
>=60	7.84	6.79	11.21	5.28	6.53	6.57	2.13	3.91	6.40
>=80	6.66	6.44	10.35	5.11	5.60	5.60	.41	3.30	5.49
>=160	.61	5.91	8.71	4.89	5.26	1.73		.36	3.44
>=320	.41	2.88	1.79		.09	.05			.67

TOT 3931 2755 2584 2600 3361 3181 2084 3915 26711

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION	7 NIP	APR								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	19.53	18.40	18.62	17.72	19.66	15.20	9.13	15.31	16.71	
>=5	16.97	15.93	16.76	16.69	15.57	13.73	6.16	13.94	14.61	
>=7	15.22	14.33	16.70	15.61	13.38	11.78	5.38	12.38	13.25	
>=10	11.36	12.46	14.97	13.25	11.54	9.61	4.32	8.79	10.94	
>=20	4.42	6.75	5.33	4.62	3.36	3.74	2.57	4.48	4.46	
>=30	2.25	3.36	3.67	3.45	2.36	2.36	2.10	2.52	2.78	
>=40	.88	2.97	3.49	3.45	2.25	2.17	1.93	1.84	2.39	
>=60	.02	2.82	3.49	3.45	2.23	2.08	1.82	.97	2.12	
>=80		2.68	3.49	3.45	2.14	2.04	1.75	.42	2.01	
>=160		.56	3.47	2.24	1.22	1.89	1.53	.06	1.37	
>=320										

TOT 5202 5186 5156 5220 4870 4711 4514 4956 39617

STATION	7 NIP	MAY								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	25.56	22.82	28.81	30.20	20.00	14.69	16.32	19.13	22.23	
>=5	16.94	19.94	21.15	16.49	16.62	7.97	10.59	14.01	15.50	
>=7	14.60	19.24	17.74	12.90	11.68	6.04	6.22	11.62	12.57	
>=10	12.03	16.54	14.41	9.38	4.81	3.56	3.36	8.35	9.15	
>=20	4.57	9.18	9.71	4.95	.72	1.39	1.04	2.70	4.33	
>=30	1.81	7.10	7.93	2.75	.30	.66		1.17	2.74	
>=40	1.30	6.02	6.93	1.44	.15	.56		.76	2.17	
>=60	.19	5.36	6.11	.50	.13	.27		.49	1.65	
>=80		4.96	5.95	.35	.11	.08		.23	1.47	
>=160		1.20	3.76		.04				.63	
>=320		.02							.00	

TOT 5137 5001 4894 4806 4615 4823 4730 5112 39130

STATION	7 NIP	JUN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	35.66	41.58	45.50	41.40	31.99	16.87	16.04	22.10	31.25	
>=5	26.26	29.43	28.77	32.16	24.46	8.57	8.64	14.12	21.13	
>=7	21.39	26.03	23.66	26.09	19.37	5.85	6.43	10.66	17.18	
>=10	17.34	22.98	22.38	22.85	16.48	3.82	3.51	7.87	14.28	
>=20	12.24	17.22	17.91	15.89	12.64	1.91	1.46	1.94	9.95	
>=30	10.84	15.18	14.19	13.56	9.97	.90	.57	1.69	8.17	
>=40	10.26	14.55	12.55	12.83	8.23	.45	.26	1.39	7.38	
>=60	9.74	13.17	9.26	12.17	5.91	.35	.02	1.02	6.37	
>=80	9.31	12.54	9.45	12.01	4.51	.21		.62	5.91	
>=160	4.94	10.36	7.61	10.28	2.20			.10	4.28	
>=320		.81		2.75					.41	

TOT 5039 4914 4879 4512 5126 5132 5062 5195 39665

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION	7 NIP	JUL								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	43.67	46.12	43.77	29.09	24.15	13.68	5.43	19.96	27.82	
>=5	23.49	33.47	27.27	15.38	12.49	7.30	2.17	8.16	15.92	
>=7	12.51	29.31	18.03	10.87	9.22	5.44	.39	6.57	11.35	
>=10	5.78	20.79	12.49	9.75	7.62	4.68	.28	5.58	8.26	
>=20	1.93	8.45	3.57	.33	4.43	2.61	.02	3.87	3.19	
>=30	1.56	6.98	2.79	.03	3.82	2.33		3.44	2.66	
>=40	1.22	6.42	2.23		3.82	2.14		3.19	2.42	
>=60	.91	5.14	1.04		3.82	1.81		2.70	1.98	
>=80	.78	3.64	.53		3.82	1.47		2.06	1.58	
>=160	.02	2.86			3.73			.87	.87	
>=320		.51						.06	.07	

TOT 4500 4473 4122 3991 4717 4633 4603 4855 35894

STATION	7 NIP	AUG								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	45.61	63.79	67.15	67.25	50.07	34.44	28.02	42.09	50.30	
>=5	29.21	39.09	45.73	40.10	25.90	19.83	10.23	23.00	29.48	
>=7	22.12	35.66	35.20	32.33	16.23	15.34	7.86	14.19	22.85	
>=10	16.02	31.58	30.61	22.70	9.69	10.40	4.71	3.39	16.26	
>=20	10.96	23.93	27.13	15.73	3.98	1.96	.84	.41	10.78	
>=30	10.10	22.58	25.18	13.97	3.33	.20	.50	.30	9.69	
>=40	8.93	20.38	23.86	13.10	3.03	.03	.07	.19	8.87	
>=60	7.37	17.93	21.75	12.50	2.71				7.94	
>=80	6.79	17.22	19.94	11.48	2.47				7.39	
>=160	6.30	15.64	15.56	8.25	.18				5.84	
>=320	.29	2.19	1.90	3.83					1.05	

TOT 3076 3331 3420 3344 3263 3011 2991 3630 26168

STATION	7 NIP	SEP								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	25.52	25.08	24.94	25.63	41.62	48.51	44.79	34.11	33.69	
>=5	12.17	15.10	13.40	21.54	21.23	20.37	21.94	9.57	16.83	
>=7	7.71	13.87	10.28	13.22	16.20	9.95	11.91	6.10	10.95	
>=10	5.35	13.41	9.91	8.44	9.25	5.61	6.96	5.91	8.11	
>=20	3.65	7.07	3.94	6.93	4.23	.50	1.13	5.87	5.04	
>=30	3.51	4.58	9.30	6.07	2.21	.07	.45	5.59	4.14	
>=40	2.45	4.24	9.55	5.45	.09		.26	4.64	3.56	
>=60	3.42	3.81	6.82	3.73				3.51	2.85	
>=80	3.19	3.29	5.42	3.17				1.51	2.42	
>=160		.25	2.75	2.06					.68	
>=320										

TOT 3450 3252 3240 3245 2129 2783 3090 3081 24270

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 7 NIP	OCT								TOT
	0000-0200	0200-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	16.05	13.18	12.99	27.86	29.92	23.92	35.00	26.58	23.81
>=5	10.91	6.50	13.12	23.16	19.90	12.56	10.99	19.78	15.05
>=7	5.40	3.76	11.18	22.14	15.66	8.01	5.90	14.42	11.12
>=10	2.57	1.26	8.11	13.29	12.05	5.13	4.51	11.55	8.19
>=20			5.24	16.03	6.10	1.31	.67	1.48	4.41
>=30			5.44	15.00	3.11	.07	.34		3.51
>=40			5.22	14.45	2.41		.21		3.29
>=60			5.16	13.33	2.22		.13		3.08
>=80			5.13	12.24	1.67		.06		2.86
>=100			5.07	10.15	.47				2.36
>=320			2.06	3.32					.81
TOT	2755	2769	3255	3406	2573	2747	2374	2295	22177

STATION 7 NIP	NOV								TOT
	0000-0200	0200-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	13.66	14.39	15.23	15.59	12.36	11.05	4.79	15.75	13.02
>=5	9.20	9.00	12.97	10.83	7.24	5.51	2.85	5.82	7.90
>=7	6.98	7.70	9.77	9.35	5.64	1.91	2.27	4.90	6.34
>=10	6.03	6.03	5.50	7.57	3.01	1.12	1.94	3.40	4.91
>=20	4.35	3.87	1.47	3.04	.37	.27	.10	.26	1.78
>=30	2.49	2.57	.57	2.17	.31	.05	.03		1.06
>=40	1.33	.96	.24	.74	.23	.05			.46
>=60	.33		.07	.23	.14	.05			.10
>=80			.05	.05	.08				.02
>=100									
>=320									
TOT	3996	4298	4219	3914	3552	3664	3923	3797	31353

STATION 7 NIP	DEC								TOT
	0000-0200	0200-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	25.02	33.70	33.87	22.27	43.89	38.52	33.64	32.07	35.35
>=5	19.83	20.60	20.82	22.97	22.25	22.07	20.54	19.75	21.44
>=7	16.11	18.50	20.60	15.69	13.13	20.15	17.53	16.30	17.41
>=10	11.91	14.08	15.18	9.51	9.06	18.14	15.67	12.92	13.10
>=20	6.40	5.89	5.86	6.10	1.96	10.77	9.57	6.79	6.75
>=30	2.80	3.25	3.16	5.97	1.79	4.50	6.75	6.09	4.51
>=40	1.31	2.50	4.02	5.68	1.09	1.94	5.73	5.30	3.48
>=60	.73	1.41	3.09	2.95	.99	1.72	4.75	3.45	2.39
>=80	.25	.92	2.44	1.44	.39	1.57	4.00	2.94	1.75
>=100		.09		.27		.30	1.46	.87	.44
>=320							.14		.02
TOT	4865	4371	4597	4440	3269	4019	4397	4699	35577

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION	9 ISH	JAN							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	21.41	17.71	17.79	17.63	17.57	24.74	30.25	25.61	20.36
>=5	16.55	14.68	15.23	12.00	15.03	21.87	28.37	16.70	16.37
>=7	15.44	13.73	15.35	11.62	12.25	20.03	27.02	14.62	15.07
>=10	13.71	13.57	11.87	11.39	7.98	17.70	25.58	11.84	13.10
>=20	7.41	13.44	9.19	9.20	1.82	13.30	16.79	6.98	9.22
>=30	6.80	13.37	8.32	6.87	1.14	11.21	9.07	4.62	7.64
>=40	6.52	13.34	5.89	5.25	1.06	9.30	3.41	4.29	6.42
>=60	6.15	13.27	4.39	2.48	1.01	.21		3.87	4.93
>=80	5.76	13.08	4.11	1.53	.97	.96		3.63	4.44
>=160	.04	7.33	3.93	.19	.89			.57	2.12
>=320		.07	.56		.76				.20

TOT 2779 3066 3210 3142 2368 1463 1114 2120 19262

STATION	8 BSH	FEB							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	25.58	21.29	23.41	23.76	20.43	21.65	21.41	19.26	22.29
>=5	21.24	16.33	18.93	16.27	16.68	20.45	18.76	11.58	17.46
>=7	16.61	11.73	15.29	11.70	15.92	19.68	16.45	5.23	13.79
>=10	9.26	5.73	8.25	9.58	14.07	17.43	11.49	1.67	9.19
>=20	2.17	2.40	4.55	7.59	8.34	11.35	8.10		5.13
>=30	1.30	1.97	3.84	5.76	7.37	10.91	5.55		4.32
>=40	.74	1.83	3.00	4.80	6.99	8.99	3.98		3.46
>=60	.48	1.37	.84	2.65	5.77	8.77	3.63		2.54
>=80	.39	.90	.03	1.76	4.66	8.77	3.51		2.07
>=160					2.82	8.77	3.34		1.40
>=320					1.10	6.35	2.50		.92

TOT 3068 3001 3101 3018 2374 1824 2036 2581 21023

STATION	8 BSH	MAR							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	34.03	30.68	27.05	32.82	34.49	35.80	25.86	25.05	30.62
>=5	26.18	30.23	21.82	22.38	25.21	26.55	19.24	18.90	23.92
>=7	24.14	27.11	19.58	20.89	22.90	24.94	18.21	14.22	21.42
>=10	21.84	22.23	18.80	19.23	21.53	24.19	14.16	9.92	18.87
>=20	15.59	19.13	18.90	15.69	18.68	22.48	11.74	7.84	16.26
>=30	14.05	18.05	18.43	16.45	17.66	20.02	10.89	6.86	15.34
>=40	14.41	17.71	17.63	16.27	16.60	18.00	9.35	6.41	14.53
>=60	13.91	17.34	16.30	14.52	13.92	14.79	8.68	6.04	13.22
>=80	13.48	17.11	15.52	13.65	13.02	13.43	8.68	5.80	12.64
>=160	12.90	15.09	13.17	11.58	8.63	9.70	8.26	5.32	10.78
>=320	8.38	8.87	8.36	8.78	5.13	5.43	6.11	4.79	7.05

TOT 3567 3811 3841 3791 3511 2927 3306 3761 28505

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 6 BSH APR									
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	23.73	21.28	18.74	12.47	19.74	16.64	10.71	14.46	18.31
>=5	20.10	18.34	17.17	17.08	17.52	15.90	9.11	11.29	16.07
>=7	18.24	16.78	16.89	16.24	15.61	15.68	8.32	10.21	14.91
>=10	10.91	14.18	14.93	14.87	13.21	14.85	6.87	8.87	12.44
>=20	6.04	6.73	8.42	5.67	4.33	9.91	4.22	5.16	6.34
>=30	4.03	5.09	6.73	4.68	4.04	9.33	3.84	3.92	5.22
>=40	3.44	4.26	5.48	4.53	4.04	8.95	3.70	3.39	4.71
>=60	2.63	3.68	4.39	4.19	4.04	8.28	3.58	2.94	4.17
>=80	1.97	3.54	4.04	3.59	4.01	7.71	3.58	2.81	3.87
>=160	1.22	3.02	3.64	3.46	3.90	4.66	3.43	1.73	3.09
>=320		.50	3.40	3.38	3.27	1.17	2.05		1.71
TOT	5180	5168	5144	5204	4459	4459	4193	4869	38676
STATION 8 BSH MAY									
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	24.74	26.75	30.22	31.53	23.45	15.05	15.68	17.09	24.46
>=5	17.85	25.37	26.92	33.39	18.76	11.85	13.34	12.53	20.10
>=7	15.61	23.90	25.65	29.79	16.35	10.03	12.41	11.72	18.28
>=10	14.12	20.81	23.15	26.95	12.24	6.72	11.27	10.72	15.86
>=20	13.64	17.03	17.70	22.89	7.38	4.17	9.13	9.00	12.76
>=30	13.52	15.15	16.65	23.75	2.94	3.62	8.27	8.02	11.29
>=40	13.46	14.14	16.28	19.08	1.40	3.20	7.43	7.16	10.45
>=60	13.23	12.87	15.70	16.96	.35	2.67	6.49	6.37	9.51
>=80	12.92	12.09	14.85	15.72	.08	2.27	5.51	5.55	8.81
>=160	11.33	9.28	12.15	11.37		1.58	3.52	3.49	6.74
>=320	4.18	6.71	5.72	3.79		.61	1.46	.07	2.88
TOT	5457	5368	5400	5331	4862	5056	5006	5477	41997
STATION 8 BSH JUN									
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	41.65	51.79	48.79	50.93	36.58	17.71	18.05	25.67	36.24
>=5	33.12	43.02	39.65	39.35	28.50	13.19	11.50	20.38	28.51
>=7	28.48	34.97	34.89	35.55	24.04	9.25	6.65	16.37	23.63
>=10	26.39	32.42	28.00	30.69	20.68	5.33	4.99	11.99	19.55
>=20	23.17	28.97	21.83	24.72	15.08	2.72	3.38	7.31	15.81
>=30	21.68	26.37	19.97	22.42	12.40	1.78	2.85	5.12	13.99
>=40	20.09	24.91	19.16	21.21	11.25	1.24	2.34	4.32	12.57
>=60	18.00	22.57	18.06	19.74	10.28	.68	1.94	2.70	11.65
>=80	16.22	21.08	17.26	18.67	9.51	.37	1.78	1.92	10.73
>=160	11.98	16.98	14.51	16.25	6.60		.94	1.01	8.50
>=320	7.42	11.94	8.76	9.93	2.70			.10	5.03
TOT	5217	5219	4907	4692	5146	5178	5007	5255	40621

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X:0-4 M-1)
WITH TIME OF DAY(CMT)

STATION 8 BSH	JUL								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	46.15	46.64	47.55	36.20	30.64	14.20	11.89	21.21	31.43
>=5	28.36	35.73	35.43	25.26	18.45	9.21	9.05	14.56	21.26
>=7	18.01	26.42	30.65	23.41	14.52	7.62	6.77	10.73	16.81
>=10	13.40	22.41	29.89	21.78	12.04	5.14	4.84	5.31	13.81
>=20	6.32	13.75	16.62	16.03	7.66	2.52	1.76	.26	7.72
>=30	4.89	10.48	12.12	11.90	5.02	2.32	.61		5.62
>=40	4.23	8.94	7.61	9.71	3.55	1.99			4.23
>=60	2.99	7.63	5.12	6.62	3.03	1.67			3.24
>=80	2.44	6.70	3.75	5.35	2.77	1.44			2.69
>=160	1.09	4.73	2.45	2.00	2.31	1.06			1.66
>=320		1.44	2.03	.22	1.47	.04			.63

TOT 4680 4655 4242 4110 4222 4921 4937 5038 37515

STATION 8 BSH	AUG								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	46.71	60.64	62.04	59.03	47.22	25.07	14.61	35.96	44.31
>=5	37.24	52.29	45.32	40.16	36.20	16.34	5.62	21.82	32.04
>=7	21.63	43.59	36.55	35.63	26.46	13.11	1.89	10.78	23.84
>=10	13.75	36.33	31.14	28.71	18.38	9.93	.75	3.61	17.99
>=20	2.92	22.37	25.66	21.74	9.11	3.55	.09	.46	11.03
>=30	2.24	20.02	24.50	17.61	7.53	1.66		.14	9.32
>=40	2.24	18.73	22.63	16.39	7.09	1.04		.08	8.64
>=60	2.21	16.66	20.44	14.92	6.20	.39		.08	7.72
>=80	2.17	15.73	19.35	13.22	5.50	.20		.09	7.23
>=160	2.01	11.86	17.84	8.76	3.20			.08	5.55
>=320	1.62	7.69	10.88	4.81	.50			.05	3.24

TOT 3983 3321 3420 3344 3431 3073 3183 3694 26519

STATION 8 BSH	SEP								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	30.08	28.55	28.77	29.95	24.46	12.25	22.55	19.31	24.91
>=5	14.11	16.64	21.22	23.51	17.45	6.76	13.99	10.31	15.62
>=7	11.48	15.26	17.28	21.74	13.67	4.73	11.28	9.76	13.24
>=10	10.10	14.36	15.63	19.49	10.94	4.01	7.48	9.44	11.52
>=20	6.93	13.33	15.52	16.51	6.45	3.20	4.60	8.55	10.00
>=30	8.33	12.81	15.25	15.46	5.99	3.09	4.13	8.82	9.54
>=40	7.73	12.34	15.22	14.04	5.66	2.92	3.72	8.72	9.10
>=60	7.33	11.91	15.03	12.67	5.03	2.94	3.65	8.39	8.70
>=80	7.18	11.75	14.72	11.77	4.67	2.76	3.59	8.46	8.41
>=160	6.15	8.53	11.35	9.50	3.82	2.04	2.42	7.23	6.55
>=320	.31	1.15	5.31	3.53					1.39

TOT 3494 3225 3240 3150 2720 2751 2960 3064 24063

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT ($\times 10^{-4} \text{ M}^{-1}$)
WITH TIME OF DAY (GMT)

STATION	8 BSH	0CT	0300-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	23.09	16.66	17.65	17.73	22.11	8.56	17.29	20.98	18.61	18.61
>=5	17.12	11.89	10.35	17.40	20.40	7.16	16.73	26.99	15.47	15.47
>=7	12.97	8.48	7.23	17.37	19.70	5.72	12.31	25.96	13.28	13.28
>=10	9.93	5.20	4.83	17.20	18.73	4.81	6.94	21.20	10.93	10.93
>=20	6.76	2.32	3.52	16.61	13.00	2.91	.50	5.24	6.91	6.91
>=30	6.25	1.49	3.23	15.84	10.41	.52		4.70	5.82	5.82
>=40	5.88	1.18	3.01	14.86	9.42	.09		4.52	5.36	5.36
>=60	5.36	.57	2.22	13.25	9.07	.04		4.34	4.76	4.76
>=80	5.22	.13	1.85	12.51	8.80	.04		4.16	4.46	4.46
>=160	4.66		1.67	10.72	8.07	.04		3.49	3.94	3.94
>=320			1.57	10.52	6.85	.04			2.85	2.85

TOT 2144 2267 2753 3069 3112 2306 1787 1650 18168

STATION	8 BSH	NOV	0000-0200	0300-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	21.80	17.71	16.34	12.36	16.91	14.04	16.33	19.79	17.02	17.02	17.02
>=5	12.07	16.19	13.17	11.44	9.43	11.87	6.75	14.09	12.06	12.06	12.06
>=7	10.78	13.79	11.94	9.02	7.73	11.05	5.62	9.39	9.95	9.95	9.95
>=10	9.71	8.94	9.17	6.99	4.97	6.45	5.25	5.32	7.01	7.01	7.01
>=20	3.66	2.50	2.49	1.90	2.58	1.00	4.87	2.14	2.81	2.81	2.81
>=30	1.84	.18	1.68	.86	.34	.41	4.39	2.97	1.63	1.63	1.63
>=40	.49		1.52	.91	.22	.24	3.96	2.68	1.24	1.24	1.24
>=60	.05		1.26	.78		.17	3.54	2.51	1.01	1.01	1.01
>=80			1.00	.60			3.10	2.25	.86	.86	.86
>=160			.26	.29			1.69	2.03	.52	.52	.52
>=320											

TOT 3637 3991 3519 3478 3181 2914 3080 3506 27505

STATION	8 BSH	DEC	0000-0200	0300-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	42.88	35.16	30.24	37.99	45.58	49.29	46.15	34.07	39.87	39.87	39.87
>=5	36.95	33.03	29.80	31.15	34.47	37.32	37.48	31.45	33.86	33.86	33.86
>=7	33.41	30.65	28.69	25.43	29.26	27.60	32.58	29.77	29.85	29.85	29.85
>=10	30.91	24.38	25.29	20.15	21.43	21.57	28.36	25.92	24.86	24.86	24.86
>=20	20.56	19.26	18.89	14.09	13.18	15.77	19.34	17.02	17.34	17.34	17.34
>=30	15.17	14.92	14.75	13.54	12.03	13.91	16.35	15.11	14.51	14.51	14.51
>=40	12.54	13.77	13.59	13.21	11.31	12.23	15.95	12.18	13.10	13.10	13.10
>=60	9.89	13.14	12.24	12.75	10.58	10.87	15.62	10.55	11.93	11.93	11.93
>=80	8.63	12.75	11.29	12.40	9.79	10.30	15.40	9.16	11.17	11.17	11.17
>=160	4.49	7.63	8.11	5.34	6.15	6.46	13.82	4.48	7.71	7.71	7.71
>=320			.29	2.08	1.18	2.19	3.83	.40	1.19	1.19	1.19

TOT 5121 4091 4743 4512 4340 4242 4514 5263 38041

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION	9 SAG	JAN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.90	12.79	11.83	17.44	16.28	10.49	17.97	13.15	14.43	14.43
>=5	8.09	8.80	6.05	10.58	13.02	10.00	16.18	8.22	9.59	9.59
>=7	8.09	7.82	5.76	5.97	9.42	9.61	13.80	6.76	7.79	7.79
>=10	8.06	7.26	5.47	2.69	7.53	8.52	13.09	5.24	6.61	6.61
>=20	4.99	4.18	4.37	.66	3.41	5.57	9.28	1.54	3.78	3.78
>=30	3.40	3.23	3.14	.59	2.26	2.02	7.56	.14	2.51	2.51
>=40	2.73	2.45	2.71	.57	1.71	.34	6.07		1.92	1.92
>=60	1.99	1.73	2.42	.46	1.43		1.73		1.31	1.31
>=80	1.66	1.65	1.37		1.04		.24		.87	.87
>=160					.27				.03	.03
>=320										

TOT 4465 4614 4462 4387 3280 2030 1681 3566 28485

STATION	9 SAG	FEB								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	21.96	11.68	26.36	33.65	20.43	14.29	10.80	14.02	19.43	19.43
>=5	16.59	7.87	21.08	25.14	15.53	12.65	7.32	10.18	14.72	14.72
>=7	12.77	5.81	14.80	17.44	13.58	12.03	5.05	8.14	11.24	11.24
>=10	8.31	3.25	7.72	12.45	10.65	10.72	3.99	3.56	7.49	7.49
>=20	3.10	.61	2.23	9.18	6.10	9.59	.28	1.01	3.66	3.66
>=30	1.08		.14	7.65	4.99	9.22	.15	.18	2.73	2.73
>=40	.16			6.68	4.99	8.63	.13	.05	2.40	2.40
>=60				5.17	4.96	6.43	.05		2.11	2.11
>=80				4.34	4.96	7.97			1.95	1.95
>=160				.39	4.57	6.60			1.24	1.24
>=320										

TOT 4354 4094 4298 4312 3607 3274 3880 4351 32170

STATION	9 SAG	MAR								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	24.88	28.01	18.31	21.99	25.71	25.80	24.44	23.72	24.07	24.07
>=5	20.26	23.87	18.25	17.32	17.06	20.35	19.25	17.82	19.29	19.29
>=7	15.22	21.87	18.26	16.09	13.50	18.74	16.17	13.18	16.62	16.62
>=10	9.51	20.84	18.26	14.75	12.00	17.11	14.24	8.09	14.29	14.29
>=20	6.52	16.25	18.15	14.29	8.98	11.93	10.51	3.69	11.27	11.27
>=30	5.50	15.98	17.72	14.14	7.86	9.13	9.30	2.64	10.30	10.30
>=40	4.99	15.88	17.49	13.74	7.54	8.42	8.60	2.25	9.89	9.89
>=60	4.30	15.19	15.76	12.78	7.13	7.08	6.78	1.49	8.98	8.98
>=80	3.75	14.15	15.32	12.15	7.07	5.03	4.74	.61	7.98	7.98
>=160	.41	6.46	10.60	9.49	4.98	.39			4.15	4.15
>=320										

TOT 4112 4055 3944 3960 3675 3361 3568 4090

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (CMT)

STATION	9 SAG	APR								
	0600-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	19.50	17.09	19.14	17.31	18.29	16.45	10.17	14.82	16.75	
>=5	16.97	14.86	17.45	15.96	14.94	15.61	8.79	12.94	14.83	
>=7	15.18	13.55	17.36	14.16	10.57	15.16	6.78	10.54	13.07	
>=10	11.41	11.62	15.83	10.85	7.74	13.43	4.96	7.77	10.59	
>=20	5.98	7.46	6.77	3.86	1.84	7.68	3.59	5.79	5.42	
>=30	4.55	6.84	5.00	3.17	1.49	7.36	3.04	4.40	4.51	
>=40	3.57	6.82	4.25	2.77	1.34	6.73	2.78	3.38	3.97	
>=60	.88	6.78	3.72	2.17	1.32	5.89	2.63	1.94	3.16	
>=80	.15	6.57	3.49	1.75	1.28	5.41	2.27	.79	2.70	
>=160		2.73	3.28	.86		2.99	.05		1.26	
>=320										

TOT 5204 5174 5156 5206 4626 4414 4177 4906 38863

STATION	9 SAG	MAY								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	24.12	24.89	31.42	33.93	35.55	38.88	31.52	17.09	29.43	
>=5	16.52	22.95	22.67	25.30	19.10	13.93	11.78	11.27	17.99	
>=7	14.39	22.69	20.24	22.79	15.10	8.90	9.54	10.73	15.65	
>=10	11.88	21.57	18.71	19.97	10.70	7.05	6.90	9.91	13.42	
>=20	9.66	18.51	14.61	16.01	5.16	4.25	5.02	6.69	10.16	
>=30	9.19	15.19	11.65	13.34	4.60	2.67	3.56	5.17	8.30	
>=40	8.88	13.60	10.80	11.67	4.33	2.07	2.90	4.69	7.52	
>=60	8.42	12.81	10.06	9.61	4.08	1.66	2.28	4.08	6.75	
>=80	7.97	12.47	9.52	8.03	3.79	1.60	1.96	3.35	6.20	
>=160	4.58	8.06	7.05	5.03	3.56	1.11	.46	1.14	3.93	
>=320			.06	1.75	.06				.24	

TOT 5497 5284 5399 5328 4802 4876 5000 5459 41645

STATION	9 SAG	JUN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	43.41	48.24	51.44	51.91	49.41	38.44	44.96	41.20	46.03	
>=5	36.49	40.21	40.18	37.89	36.92	14.05	16.32	22.59	30.50	
>=7	29.39	33.41	33.43	32.71	26.64	6.76	8.31	17.21	23.24	
>=10	26.32	29.04	29.32	26.42	22.77	4.91	4.50	11.75	19.30	
>=20	20.97	25.32	24.15	20.97	18.15	1.22	1.22	6.71	14.78	
>=30	17.95	22.95	21.92	19.88	15.13	.26	.50	4.77	12.84	
>=40	17.09	21.76	19.51	13.33	13.99	.06	.40	3.30	11.85	
>=60	15.07	19.43	17.44	8.73	12.28	.02	.36	2.07	10.59	
>=80	14.24	17.55	15.99	17.92	10.02	.02	.20	1.48	9.59	
>=160	6.67	10.98	10.55	11.31	4.46			.36	5.47	
>=320	1.69	3.12	.22	3.11	.92				1.12	

TOT 5202 5220 4391 4693 5030 5089 5042 5219 40446

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION	9 SAG	JUL								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=2	52.33	52.00	50.15	49.22	42.79	29.80	35.28	38.15	43.36	
>=5	30.67	40.64	40.55	32.46	21.39	18.28	12.02	13.95	26.45	
>=7	25.33	33.81	32.46	20.54	18.95	12.01	7.68	6.96	19.33	
>=10	20.43	29.62	26.44	17.10	16.19	8.01	3.71	4.93	15.43	
>=20	12.39	20.51	16.23	11.80	11.07	4.17	.33	1.47	9.47	
>=30	11.13	17.72	11.32	7.93	10.21	3.15	.02	.88	7.61	
>=40	10.21	16.34	10.44	5.45	9.28	2.48		.77	6.73	
>=50	9.27	14.63	9.11	3.36	7.73	1.30		.71	5.65	
>=60	8.44	13.69	8.23	2.67	6.99	.67		.63	5.08	
>=160	5.98	11.51	5.00	1.97	4.87			.04	3.60	
>=320	3.61	9.17	.70		1.03				1.80	
TOT	4080	4636	4301	1110	4849	4919	4907	5088	37510	

STATION	9 SAG	AUG								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=2	49.59	59.75	61.33	66.12	63.63	51.51	44.67	44.19	55.44	
>=5	30.16	46.65	49.37	50.43	42.93	28.24	27.99	22.72	38.04	
>=7	20.30	40.71	42.70	41.69	24.40	15.17	8.51	10.56	27.24	
>=10	23.16	37.65	30.73	35.08	17.00	17.46	5.69	1.99	21.88	
>=20	12.71	25.82	22.12	25.93	9.32	7.90	2.39		11.15	
>=30	10.09	23.03	28.83	23.06	8.06	5.29	1.04		12.38	
>=40	8.73	22.22	28.56	21.26	7.47	5.67	.6		11.76	
>=60	7.95	21.25	28.04	18.63	6.62	4.59			10.92	
>=80	7.27	20.68	27.42	16.69	5.44	3.60			10.20	
>=160	5.97	17.44	23.15	8.21	1.85	.16			7.18	
>=320	1.14	7.96	7.55	.24					2.14	
TOT	3053	3331	3417	3344	3401	3052	3153	3684	26495	

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION	9 SAG	OCT							
	0000-0200	0200-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	21.42	20.56	24.35	33.14	27.83	19.49	26.78	28.80	25.31
>=5	15.52	14.30	21.52	26.04	22.79	12.64	16.39	26.61	19.52
>=7	11.84	10.47	20.06	22.65	20.94	10.66	11.51	24.11	16.61
>=10	5.86	5.72	16.92	21.96	17.92	8.28	7.79	19.68	13.18
>=20		2.55	12.37	21.70	12.11	2.56	3.54	1.32	7.47
>=30		.97	11.60	20.97	8.24	.48	1.12		5.91
>=40		.54	10.66	19.72	7.20	.22	.40		5.33
>=60		.19	9.06	17.88	6.62	.04	.09		4.67
>=80		.04	7.86	17.65	6.35				4.41
>=160			6.50	16.60	4.80				3.88
>=320			2.17	9.94	.31				1.63

TOT 2712 2588 2662 3042 2584 2730 2233 2281 21032

STATION	9 SAG	NGV							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	18.81	14.06	12.09	7.17	14.17	18.64	13.05	16.36	14.29
>=5	13.58	11.20	6.32	6.10	8.90	14.55	5.79	13.44	9.97
>=7	10.13	7.22	3.85	2.90	6.42	6.21	4.16	11.05	6.51
>=10	8.49	3.91	2.38	1.23	4.51	1.44	2.24	6.89	3.92
>=20	2.11	2.44	.61		1.27	.30	1.49	2.46	1.40
>=30	.15	.47			.29	.06	1.06	1.73	.47
>=40		.02			.03		.40	1.35	.23
>=60							.05	.89	.12
>=80								.76	.10
>=160									
>=320									

TOT 4029 4235 4160 3754 3385 3622 3370 3926 31161

STATION	9 SAG	DEC							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	37.95	35.45	32.81	37.00	39.93	36.51	34.15	32.95	36.91
>=5	30.32	32.97	30.43	31.51	35.37	29.43	26.26	27.37	30.36
>=7	25.16	28.76	27.44	26.79	26.75	23.20	22.10	23.49	25.49
>=10	19.32	22.30	25.06	21.36	19.36	17.66	16.40	17.26	19.81
>=20	10.49	14.44	10.20	13.33	9.36	14.34	10.98	11.77	13.07
>=30	7.31	12.55	6.20	11.75	8.54	10.54	10.33	10.19	10.92
>=40	5.11	11.63	14.13	11.07	8.04	9.85	10.16	7.54	9.81
>=60	4.96	9.26	12.42	10.25	7.58	8.52	10.09	5.53	8.53
>=80	3.72	7.07	10.32	9.78	6.87	7.67	9.99	4.45	7.40
>=160	.31	2.80	4.70	5.10	5.25	4.56	8.79	3.62	4.30
>=320					1.03	2.19	2.00		.60

TOT 5405 5035 4913 4928 4379 4344 4756 5276 39048

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 10	TWK	JAN								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300		
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	9.50	13.24	14.79	17.43	15.67	16.19	16.93	7.65	13.59	13.59
>=5	8.17	8.66	10.53	12.90	8.40	12.28	13.98	5.30	9.69	9.69
>=7	7.50	8.08	6.79	8.57	4.23	10.98	12.69	3.87	7.42	7.42
>=10	6.20	7.46	4.90	6.79	1.64	9.35	8.84	2.86	5.77	5.77
>=20	.78	3.51	4.25	3.45		4.60	3.80	.11	2.48	2.48
>=30	.18	1.99	2.47	1.92		1.49	1.50		1.23	1.23
>=40	.02	.68	.40	1.15		.05	.54		.39	.39
>=60		.17		.70					.13	.13
>=80		.06		.43					.08	.08
>=160		.02							.00	.00
>=320										

TOT 4465 4676 4491 4435 3266 2150 1867 3567 28937

STATION 10	TWK	FEB								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300		
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	10.83	15.14	23.31	27.34	18.40	8.73	7.66	8.98	15.35	15.35
>=5	6.23	6.69	14.59	22.37	15.80	8.03	7.03	5.01	10.85	10.85
>=7	4.45	1.51	8.93	17.55	12.58	7.45	6.75	3.31	7.85	7.85
>=10	2.25	.59	4.28	11.82	7.56	6.81	5.94	1.95	5.11	5.11
>=20	.08		.91	2.28	1.82	5.10	3.93		1.66	1.66
>=30			.30	1.72		4.27	3.83		1.18	1.18
>=40			.26	1.58		2.75	3.02		.90	.90
>=60			.16	1.12		1.31	1.15		.45	.45
>=80				.51		.76	.76		.24	.24
>=160							.10		.01	.01
>=320										

TOT 3951 4049 4278 4291 3728 3275 3838 4255 31665

STATION 10	TWK	MAR								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300		
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	29.84	30.48	25.91	23.82	29.55	27.85	17.36	23.74	26.13	26.13
>=5	20.60	24.91	19.62	20.08	20.39	22.06	11.36	9.82	18.59	18.59
>=7	14.74	23.87	18.76	18.77	16.98	20.92	10.12	6.39	16.25	16.25
>=10	13.28	19.04	15.62	14.12	14.60	19.49	8.57	5.46	13.67	13.67
>=20	11.28	15.61	13.46	7.70	5.58	9.87	5.21	4.63	9.25	9.25
>=30	9.13	13.61	13.05	5.35	2.93	2.38	3.44	2.54	6.80	6.80
>=40	7.27	12.55	12.50	4.98	2.05	.25	.51	1.22	5.39	5.39
>=60	5.50	10.92	10.34	4.87	.57			.05	4.22	4.22
>=80	2.70	10.01	9.41	4.52	.19				3.51	3.51
>=160	1.05	3.82	4.21	1.84					1.43	1.43
>=320										

TOT 4112 4055 3944 3959 3658 3232 3549 4102 30611

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 10	APR								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	19.05	23.97	22.56	21.49	20.12	19.38	11.67	15.10	19.92
>=5	12.79	17.25	18.96	22.23	18.34	14.39	9.44	11.69	15.91
>=7	9.32	14.53	15.36	19.25	16.41	11.99	5.07	8.81	12.87
>=10	6.50	10.56	11.16	12.84	12.41	8.52	2.47	3.20	8.67
>=20	.73	2.46	6.40	4.92	3.42	.22	.27	.86	2.56
>=30	.27	1.51	4.69	3.63	2.51	.03	.32	1.73	
>=40		1.12	4.47	1.72	2.10		.19	1.28	
>=60		.24	4.20	.15	1.05			.76	
>=80			3.12	.07				.44	
>=160									
>=320									

TOT 4121 4109 4140 4129 3425 3204 2957 3722 29807

STATION 10	MAY								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	18.43	29.34	39.13	42.41	21.02	11.07	14.88	14.37	23.99
>=5	13.35	16.27	26.02	27.78	10.12	7.31	9.53	11.68	15.46
>=7	12.06	11.71	17.62	19.15	5.10	3.97	8.13	10.18	11.16
>=10	9.82	8.76	13.58	11.25	2.48	1.67	4.03	7.47	7.54
>=20	4.64	6.88	8.22	2.81	.02	.08	1.26	.90	3.18
>=30	3.46	6.78	5.92	1.53				.05	2.29
>=40	3.06	5.70	4.75	.98				.05	1.87
>=60	2.09	5.29	2.89	.59					1.40
>=80	1.20	5.07	2.20	.23					1.12
>=160		1.23	.48						.22
>=320									

TOT 5497 5365 5220 5331 4682 4912 5007 5463 41477

STATION 10	JUN								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	37.11	45.50	49.83	40.53	35.26	19.00	18.51	25.42	33.83
>=5	25.50	33.01	34.79	32.39	18.30	7.29	9.39	13.16	21.63
>=7	17.87	28.51	26.75	24.93	9.97	3.18	4.47	8.99	15.75
>=10	11.40	24.62	22.10	17.49	5.49	1.70	2.20	4.40	11.12
>=20	2.74	13.30	13.02	7.12	2.28	.52	.38	.27	4.91
>=30	1.19	12.09	11.10	4.56	.67	.10	.09	.10	3.71
>=40	.62	11.30	10.04	3.05	.33		.02	.08	3.19
>=60	.31	10.29	8.49	1.98				.04	2.63
>=80		9.41	7.67	.95					2.25
>=160		4.12	3.43						.95
>=320		.23							.03

TOT 5220 5220 4901 4693 5097 4995 5035 5229 40390

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 10	TWK	JUL	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	48.70	54.06	62.65	47.49	30.47	16.48	11.49	17.34	35.06	35.06
>=5	26.92	38.25	41.01	30.68	11.61	8.42	5.13	7.61	20.43	20.43
>=7	12.55	27.11	33.87	24.24	9.10	5.11	3.85	3.36	14.27	14.27
>=10	8.59	19.19	27.46	17.37	6.40	1.54	2.10	1.16	9.96	9.96
>=20	5.74	5.21	8.72	9.45	1.92	.40	.04	.02	3.59	3.59
>=30	3.89	5.00	6.16	3.38	.59	.30	.04	.02	2.29	2.29
>=40	1.88	4.82	4.53	1.96	.50	.19	.02	.02	1.65	1.65
>=60	.95	4.58	3.97	1.25	.39	.04	.02	.02	1.33	1.33
>=80	.76	4.24	3.79	1.09	.28	.02	.02	.02	1.21	1.21
>=160	.30	3.45	3.55	.74	.02				.95	.95
>=320		2.25	2.09	.23					.54	.54

TOT 4320 4319 4060 3931 4592 4740 4622 4728 35312

STATION 10	TWK	AUG	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	40.45	56.35	59.21	59.78	44.02	26.26	23.78	27.99	42.38	42.38
>=5	22.48	35.73	43.51	42.22	28.87	11.42	4.52	18.92	26.23	26.23
>=7	16.87	23.81	31.02	30.77	17.67	3.64	.72	9.01	16.86	16.86
>=10	9.44	11.74	21.40	13.01	8.85	2.15	.22	1.98	8.66	8.66
>=20	3.83	3.75	8.27	5.47	3.18	.07	.13	.13	3.10	3.10
>=30	3.41	2.25	5.70	5.20	1.65		.03		2.41	2.41
>=40	2.76	1.29	6.11	5.20	.97				2.05	2.05
>=60	1.59	.39	4.65	5.20	.44				1.55	1.55
>=80	1.14		4.59	5.20	.26				1.41	1.41
>=160			3.71	4.90	.15				1.12	1.12
>=320			2.09	1.20					.42	.42

TOT 3983 3331 3420 3344 3401 3073 3183 3684 26519

STATION 10	TWK	SEP	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	20.64	23.30	29.10	31.61	20.32	16.13	15.97	10.15	21.12	21.12
>=5	13.43	21.59	27.50	25.37	18.35	14.55	13.01	8.72	17.96	17.96
>=7	10.86	17.87	22.47	18.75	7.04	3.38	7.20	7.10	12.27	12.27
>=10	8.55	16.99	20.19	15.37	1.74	.40	4.27	5.74	9.80	9.80
>=20	5.93	12.83	14.85	8.57			.22	2.11	6.00	6.00
>=30	5.47	9.59	11.08	4.19			.13	.26	4.15	4.15
>=40	5.30	8.12	9.81	2.99			.06		3.56	3.56
>=60	4.84	4.52	6.30	.20					2.25	2.25
>=80	4.61	4.03	4.41	.62					1.87	1.87
>=160	2.29	2.32	2.75	.43					1.06	1.06
>=320										

TOT 3493 3274 3210 3243 2131 2763 3113 3084 24361

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 10	TKW	OCT								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	53.26	73.73	49.64	45.31	45.34	84.75	57.63	39.37	53.59	
>=5	43.16	54.29	40.84	42.04	39.48	54.52	44.44	31.97	42.94	
>=7	20.20	22.59	19.24	21.39	31.03	34.63	25.24	28.35	24.26	
>=10	2.93	14.01	13.82	16.44	31.03	13.95	12.43	19.53	15.50	
>=20			10.54	11.91	23.97	.26		1.26	6.94	
>=30			6.76	10.12	8.45				4.02	
>=40			6.45	6.64	.86				2.50	
>=50			6.04	4.74					1.98	
>=60			5.32	2.42					1.43	
>=160			3.38	.53					.72	
>=320			.82						.15	

TOT 614 571 977 949 560 387 531 635 5244

STATION 10	TKW	NOV								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	15.91	21.07	25.75	25.03	19.14	13.93	9.47	12.88	17.93	
>=5	10.25	12.00	12.76	13.03	11.27	10.93	4.94	7.57	10.46	
>=7	8.94	9.24	11.28	9.03	8.12	8.20	4.08	5.31	8.04	
>=10	7.77	6.19	8.51	5.01	5.09	2.94	3.10	2.87	5.23	
>=20	3.97	1.23	1.19	2.28	.45	.74	2.54	.41	1.62	
>=30	2.36	.28		.53		.03	1.91	.10	.67	
>=40	.02	.26		.11			.23		.08	
>=60		.23							.03	
>=80		.16							.02	
>=160		.02							.00	
>=320										

TOT 4029 4295 4043 3776 3559 3669 3970 3936 31276

STATION 10	TKW	DEC								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	37.50	39.48	37.34	38.03	42.23	33.17	35.60	30.24	37.19	
>=5	28.70	36.66	29.43	30.58	28.29	25.98	29.73	25.66	29.43	
>=7	24.63	32.61	21.85	23.91	18.90	17.15	25.60	22.29	23.50	
>=10	21.04	24.77	17.17	18.57	11.61	12.46	19.63	15.51	17.80	
>=20	8.67	6.56	7.12	12.01	6.29	6.34	10.14	9.88	8.44	
>=30	5.42	2.92	4.10	8.25	3.23	5.19	7.58	8.05	5.87	
>=40	2.92	1.24	2.02	5.59	4.77	4.33	6.07	5.81	4.06	
>=60	1.10	.12	1.47	4.30	4.33	2.70	4.59	4.79	2.88	
>=80	.71		1.35	3.63	4.16	2.31	3.51	4.73	2.52	
>=160	.57		1.11	3.51	1.67	1.00	.12	2.99	1.39	
>=320				.10			.02	.57	.09	

TOT 5446 5053 4857 4980 4322 4415 4814 5281 39278

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 13	HAC	JAN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	6.18	6.43	4.56	11.27	9.98	12.48	14.27	.20	7.29	7.29
>=5	3.78	5.03	1.49	5.03	6.28	8.79	12.50		4.42	4.42
>=7	1.82	4.16	.85	2.15	4.56	5.36	10.73		2.90	2.90
>=10	.20	2.46	.12	.93	4.56	2.28	6.94		1.64	1.64
>=20		.19		.45	3.43		1.85		.57	.57
>=30		.03		.17	3.21				.36	.36
>=40				.14	3.16				.35	.35
>=60				.06	2.93				.31	.31
>=80					2.89				.30	.30
>=160					1.81				.19	.19
>=320					.32				.03	.03

TOT 3514 3777 3420 3539 2215 1138 1240 2544 21387

STATION 13	HAC	FEB								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	19.03	16.20	25.29	30.26	25.60	11.41	6.98	9.40	18.01	18.01
>=5	12.52	5.28	14.33	20.86	16.12	6.44	3.23	4.20	10.37	10.37
>=7	6.62	2.44	6.62	12.50	13.05	6.19	2.43	1.71	6.59	6.59
>=10	3.70	.63	4.69	6.58	10.24	6.12	1.80	.42	4.13	4.13
>=20	.13	.12	.60	.36	2.09	5.53	1.05		1.11	1.11
>=30		.12	.49	.09		4.34	.33		.59	.59
>=40		.12	.40	.09		3.22	.06		.42	.42
>=60			.66			1.29			.14	.14
>=80						.07			.01	.01
>=160										
>=320										

TOT 3809 3314 3476 3361 3164 2858 3340 3808 27130

STATION 13	HAC	MAR								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	27.19	33.32	31.06	32.63	34.42	33.65	22.75	22.54	29.63	29.63
>=5	20.96	26.54	19.52	18.38	22.56	20.74	15.69	14.11	19.81	19.81
>=7	16.50	24.54	18.53	15.35	16.84	19.76	13.06	8.58	16.65	16.65
>=10	11.53	19.01	14.43	10.61	13.85	17.41	10.11	5.41	12.71	12.71
>=20	10.21	16.89	13.01	7.10	6.78	8.15	6.44	3.53	9.09	9.09
>=30	8.71	14.16	11.82	5.71	4.22	2.53	3.81	.93	6.62	6.62
>=40	4.33	13.39	11.05	5.58	2.59	.24			4.81	4.81
>=60	1.56	12.38	9.31	5.28	1.99	.12			3.90	3.90
>=80	1.00	11.37	8.29	4.92	1.80	.09			3.55	3.55
>=160	.49	6.98	4.69	1.09	.60				1.80	1.80
>=320		.94							.12	.12

TOT 4112 4055 3944 3960 3675 3361 3569 4103 30779

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 13 HAC		APR								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	18.35	22.33	22.60	21.25	18.61	14.78	9.07	11.90	17.94	17.94
>=5	11.20	14.31	18.83	20.75	15.13	11.00	5.88	9.38	13.46	13.46
>=7	7.86	11.34	16.60	17.64	13.05	7.20	3.28	4.99	10.40	10.40
>=10	4.94	8.35	12.39	11.63	9.97	5.23	1.13	2.11	7.08	7.08
>=20	.42	2.24	5.90	3.87	2.18	.06		.24	1.92	1.92
>=30	.10	.85	4.01	1.30	1.52			.04	1.00	1.00
>=40		.39	3.01	.54	1.13				.65	.65
>=60		.04	1.05	.10	.02				.16	.16
>=80			.12	.06					.02	.02
>=160										
>=320										
TOT	5205	5186	5156	5220	4674	4708	4509	4966	39624	
STATION 13 HAC		MAY								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	21.67	33.87	41.44	40.49	24.64	18.93	15.02	13.51	26.31	26.31
>=5	14.68	17.27	28.74	24.75	11.25	8.21	9.21	9.49	15.60	15.60
>=7	11.66	12.28	23.39	17.24	6.31	4.33	6.93	8.27	11.45	11.45
>=10	8.08	10.30	18.49	10.83	2.14	1.94	3.48	6.42	7.86	7.86
>=20	3.93	6.78	11.25	3.49			.46	1.04	3.46	3.46
>=30	3.55	6.17	7.78	2.10				.15	2.54	2.54
>=40	3.27	5.78	6.59	1.65				.11	2.24	2.24
>=60	2.78	4.94	5.35	1.25					1.84	1.84
>=80	1.62	4.68	4.72	.94					1.53	1.53
>=160		2.50	1.74	.24					.57	.57
>=320			.67	.04					.09	.09
TOT	5497	5367	5400	5330	4862	5056	5007	5501	42020	
STATION 13 HAC		JUN								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	34.08	44.33	48.28	45.77	25.62	18.37	19.74	20.54	33.03	33.03
>=5	23.25	28.54	33.07	32.04	18.05	6.92	9.79	12.61	20.48	20.48
>=7	15.35	24.03	26.74	25.44	10.24	2.38	3.39	7.37	14.34	14.34
>=10	11.05	19.21	20.81	15.11	6.91	1.42	1.99	4.12	10.02	10.02
>=20	2.55	11.63	15.46	7.76	1.99	.04	.83	.61	5.05	5.05
>=30	1.55	10.17	11.34	6.09	.90		.30	.06	3.75	3.75
>=40	1.23	9.79	9.59	5.20	.08		.12		3.22	3.22
>=60	1.02	8.72	8.84	4.50			.04		2.86	2.86
>=80	.96	8.20	7.82	4.16					2.61	2.61
>=160	.36	5.04	2.99	2.15					1.31	1.31
>=320		1.00	.31						.17	.17
TOT	5217	5220	4311	4893	5137	5003	5032	5218	40431	

RELATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT ($\lambda 10^{-4}$ M $^{-1}$)
WITH TIME OF DAY (GMT)

STATION 13	HAC	JUL							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	43.93	54.17	51.10	43.49	26.75	16.06	9.84	16.46	32.28
>=5	19.65	35.23	41.80	30.68	13.47	8.21	3.70	6.58	19.50
>=7	11.00	28.68	35.01	22.18	9.59	4.97	3.46	2.68	14.59
>=10	8.08	16.01	22.01	16.11	5.50	1.93	1.90	.27	8.75
>=20	2.69	6.43	8.72	5.43	2.35	.23			3.26
>=30	2.45	4.59	6.74	3.09	1.16	.16			2.21
>=40	1.98	3.48	4.94	2.83	.91	.16			1.74
>=60	.29	3.05	4.15	2.23	.66	.06			1.20
>=80	.16	2.85	3.95	1.94	.54	.02			1.14
>=100	.06	2.18	3.33	.75					.76
>=320		1.31	2.23						.43

TOT 4255 4947 4656 4570 5182 5086 4889 5214 39359

STATION 13	HAC	AUG							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	41.26	75.24	61.32	72.85	48.34	30.04	24.57	30.98	51.03
>=5	20.33	45.61	59.06	45.01	28.30	18.65	11.18	21.40	31.97
>=7	23.32	31.55	42.39	32.00	13.29	5.75	.91	11.89	20.26
>=10	16.38	21.66	29.85	19.32	6.44	1.85	.28	4.34	12.48
>=20	5.38	8.32	10.15	7.17	1.21	.03		.14	4.02
>=30	4.44	7.00	9.52	5.88	.64				3.35
>=40	3.73	6.25	5.33	5.49	.24				2.98
>=60	3.41	4.87	7.85	5.40	.15				2.68
>=80	2.93	3.28	7.39	5.10	.15				2.37
>=100	1.46	1.93	5.45	4.93	.12				1.71
>=320		.48	2.70	.65					.48

TOT 3683 3328 3300 3224 3401 3073 3182 3662 26275

STATION 13	HAC	SEP							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	37.87	46.92	50.12	25.00	26.08	19.47	19.53	25.94	35.83
>=5	23.04	29.33	39.47	40.62	12.10	6.00	10.44	13.66	22.43
>=7	18.57	24.01	24.50	23.04	9.54	3.77	4.40	10.59	16.10
>=10	15.1	20.05	17.7	15.72	5.78	1.93	2.50	7.35	11.60
>=20	10.72	17.23	14.25	3.08		.79	.42	2.08	7.12
>=30	10.02	15.59	11.26	5.45		.30		1.64	5.90
>=40	5.24	13.70	5.45	1.13		.15		1.34	4.70
>=60	2.55	2.68	6.60	1.09				.91	3.47
>=80	2.33	5.57	1.57	.78				.26	2.47
>=100	2.65		.59	.43					.49
>=320									

TOT 2305 2263 2212 2302 1475 2318 2105 2313 17024

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X:0-4 M-1)
WITH TIME OF DAY (GMT)

STATION 13	HAC	OCT								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	31.67	44.82	35.38	34.60	29.07	16.23	24.73	18.34	30.00	30.00
>=5	14.76	26.51	24.54	27.63	22.67	12.23	13.10	14.68	20.20	20.20
>=7	8.45	20.37	18.73	24.74	20.28	7.32	6.99	7.41	15.03	15.03
>=10	3.59	14.34	15.41	20.19	15.38	4.15	3.96	9.21	10.68	10.68
>=20	.91	6.10	7.89	11.91	8.39	.76	.04	.04	5.33	5.33
>=30	.51	3.21	6.55	10.15	6.72				3.64	3.64
>=40	.40	2.28	5.59	10.12	6.30				3.51	3.51
>=60	.33	1.01	4.35	9.87	6.11				3.10	3.10
>=80	.15	.58	3.61	9.04	5.26				2.89	2.89
>=160		.18	2.62	9.45	4.71				2.50	2.50
>=320			.38	2.09					.39	.39

TOT	2758	2769	3406	3585	2633	2747	2374	2295	22568
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STATION 13	HAC	NOV								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	12.86	15.23	16.98	19.23	15.16	14.20	7.36	11.91	14.21	14.21
>=5	8.29	9.41	10.02	12.46	8.99	8.91	4.56	7.33	8.75	8.75
>=7	7.90	6.57	6.56	7.54	6.16	4.05	3.68	4.48	5.92	5.92
>=10	6.36	5.31	2.37	7.94	3.86	.76	2.77	2.06	3.22	3.22
>=20	.35	1.62	.12	.65	1.10	.11	.86	.03	.56	.56
>=30	.22	.75	.02		.42				.18	.18
>=40	.10	.66			.08				.11	.11
>=60	.02	.28							.04	.04
>=80		.14							.02	.02
>=160										
>=320										

TOT	4027	4295	4223	3926	3558	3669	3970	3929	31597
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STATION 13	HAC	DEC								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	36.52	38.95	35.20	29.50	41.52	36.49	35.63	22.17	36.24	36.24
>=5	24.79	28.97	25.12	25.70	27.16	19.91	24.37	21.90	24.76	24.76
>=7	19.39	22.31	21.08	21.76	19.05	14.20	19.21	16.46	19.34	19.34
>=10	10.52	17.16	15.33	18.69	11.66	11.19	14.23	10.93	13.66	13.66
>=20	.24	2.00	0.53	12.12	5.38	7.20	8.62	5.97	6.16	6.16
>=30	.18	.31	7.14	10.37	5.24	5.84	6.36	4.51	4.90	4.90
>=40	.18	.04	4.72	9.04	5.13	5.25	4.75	4.03	4.05	4.05
>=60	.18		2.12	6.06	4.24	4.39	3.03	3.50	2.77	2.77
>=80	.18		1.47	4.00	4.24	3.75	2.25	3.35	2.34	2.34
>=160	.07		1.13	5.20	.18	.02	.21	.61	.70	.70
>=320							.15		.02	.02

TOT	5446	5100	4257	4977	4367	4415	4814	5279	39361
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CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 15 CHS	JAN								
0000-0100	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	6.60	10.56	10.02	13.52	16.39	18.38	15.13	.25	10.63
>=5	4.54	5.92	4.56	7.72	12.33	15.28	12.14	.09	6.89
>=7	4.17	4.58	1.48	5.19	7.92	13.96	10.28		5.00
>=10	3.55	2.98	.05	2.33	2.00	11.07	7.00		2.88
>=20	.24	.21		.39	.03	5.38	2.32		.68
>=30				.25		1.78	1.13		.24
>=40						.36	.11		.03
>=60									
>=80									
>=160									
>=320									

TOT 4225 4496 4320 4378 3106 1970 1771 3248 27514

STATION 15 CHS	FEB								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.61	14.72	24.48	30.01	25.39	17.60	10.13	7.22	17.78
>=5	8.45	5.16	14.59	23.36	17.66	15.07	7.22	5.00	11.72
>=7	5.73	2.16	8.97	17.87	14.56	11.96	5.36	3.03	8.33
>=10	3.16	1.14	3.35	10.00	10.98	9.98	3.89	1.68	5.23
>=20	.07		.36	2.64	1.91	5.28	1.34	.07	1.32
>=30			.33	1.93		3.33	.98		.75
>=40			.18	1.69		1.92	.52		.49
>=60				.61		.09			.08
>=80				.16					.02
>=160									
>=320									

TOT 4400 3934 3934 3789 3462 3278 3879 4458 31134

STATION 15 CHS	MAR								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	27.12	32.40	30.55	30.15	22.67	28.21	18.61	17.81	27.21
>=5	20.91	26.42	24.19	22.02	22.56	21.01	13.40	13.93	20.61
>=7	16.63	24.15	23.42	16.26	16.16	19.90	10.85	9.42	17.15
>=10	12.97	19.59	20.62	12.40	13.99	18.41	9.56	6.16	14.17
>=20	11.73	13.56	15.21	8.69	8.30	9.59	6.08	4.68	9.85
>=30	3.76	11.50	14.53	6.62	4.79	3.44	3.95	2.44	7.31
>=40	7.11	9.50	13.72	3.28	2.45		.11	.59	4.77
>=60	2.12	8.29	10.88	2.40	.84				3.18
>=80	1.27	7.50	8.37	1.72	.41				2.50
>=160	.17	2.52	2.87						.72
>=320									

TOT 4108 4053 3944 3960 3575 3346 3217 4064 30718

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 15 CHS	APR								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	16.88	19.15	20.93	22.68	16.84	14.29	8.72	11.42	16.82
>=5	12.29	13.21	16.41	19.94	14.59	11.13	5.12	8.88	12.85
>=7	8.58	10.34	14.57	17.97	12.92	7.80	3.13	5.63	10.28
>=10	4.98	7.44	10.51	11.70	9.76	5.56	1.75	2.54	6.87
>=20	.56	2.16	4.89	4.37	2.01	.04		.28	1.85
>=30	.12	.56	3.72	3.18	1.54			.16	1.19
>=40		.19	3.43	2.05	1.31				.90
>=60			2.99	.40	.60				.51
>=90			1.94	.08					.26
>=160									
>=320									
TOT	5184	5186	5156	5220	4674	4708	4509	4956	39593
STATION 15 CHS	MAY								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	22.76	23.87	29.02	28.82	17.05	11.79	11.68	14.23	22.61
>=5	15.98	13.49	24.31	22.46	6.76	7.79	9.05	10.60	14.19
>=7	13.01	10.54	19.07	16.15	5.49	3.88	6.81	8.33	10.60
>=10	9.08	9.63	15.28	9.38	2.84	1.19	4.57	7.63	7.59
>=20	3.75	6.22	9.03	1.39	.02		.64	2.85	3.08
>=30	3.44	5.79	6.17	.43			.02	1.00	2.17
>=40	3.40	5.70	4.98	.24				.73	1.94
>=60	3.09	4.90	3.41					.15	1.49
>=90	2.51	4.34	2.52						1.21
>=160	.72	3.07	.52						.51
>=320									
TOT	5497	5367	5400	5330	4862	5056	5007	5501	42020
STATION 15 CHS	JUN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	38.77	41.68	45.40	41.19	30.92	13.23	18.27	22.57	31.39
>=5	26.92	29.56	31.00	30.47	15.11	7.50	8.22	14.35	20.27
>=7	19.02	27.36	28.02	25.42	10.63	4.82	4.81	8.62	15.96
>=10	14.00	21.88	23.58	15.60	7.95	3.07	2.97	5.23	11.83
>=20	2.89	12.93	15.80	8.14	3.18	.70	.60	.71	5.66
>=30	1.53	10.59	13.16	7.78	1.28	.10	.22	.13	4.27
>=40	1.23	9.16	10.54	5.90	.86		.12	.06	3.58
>=60	.88	7.64	9.74	5.43	.39		.08	.02	2.84
>=80	.79	6.44	7.13	4.92	.04		.02		2.37
>=160	.04	2.39	1.34	1.60					.66
>=320	.02	.52							.07
TOT	5220	5220	4910	4693	5128	5171	5014	5219	40576

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 15 CHS		JUL								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	43.56	52.67	43.87	41.53	21.09	11.83	8.49	19.89	30.45	30.45
>=5	20.96	31.92	28.72	25.28	11.14	5.60	4.21	6.70	18.47	18.47
>=7	14.65	32.36	28.00	17.27	7.75	4.52	4.21	4.47	13.76	13.76
>=10	10.71	18.93	19.06	11.68	5.09	1.08	3.46	1.76	8.62	8.62
>=20	6.41	9.51	6.29	6.31	2.57	.35		.27	3.85	3.85
>=30	5.12	5.92	4.82	3.36	2.10	.23		.09	2.64	2.64
>=40	4.79	4.25	4.64	1.49	1.77	.21			2.10	2.10
>=60	3.84	2.19	4.40	.41	1.28	.19			1.51	1.51
>=80	3.41	1.39	1.22	.14	.96	.14			1.25	1.25
>=100	1.45	.83	3.80		.07				.75	.75
>=320	.05	.50	1.16						.20	.20

TOT 4137 4237 3882 3631 4282 4269 4276 4495 33209

STATION 15 CHS		AUG								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	51.12	69.74	68.99	64.63	40.22	21.33	19.54	32.80	46.56	46.56
>=5	33.64	47.49	52.02	40.89	28.79	8.12	4.49	21.40	29.79	29.79
>=7	23.86	32.75	38.13	27.18	12.50	5.33	.97	15.29	19.97	19.97
>=10	19.72	22.07	29.34	17.44	5.44	2.03	66	8.01	13.11	13.11
>=20	7.75	7.90	10.82	7.60	1.14			2.12	4.70	4.70
>=30	4.90	5.65	9.00	6.24	.74			.73	3.42	3.42
>=40	4.02	4.71	6.40	5.52	.53			.22	2.91	2.91
>=60	3.41	3.06	5.76	5.37	.15			.08	2.41	2.41
>=80	2.47	2.85	6.03	5.37	.15			.03	2.10	2.10
>=100	.13	.21	5.43	4.47	.06				1.28	1.28
>=320	.10		.73						.11	.11

TOT 3063 3331 3299 3223 3401 3000 3163 3683 26203

STATION 15 CHS		SLP								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	37.10	38.77	44.23	45.73	21.01	15.56	21.13	24.21	32.64	32.64
>=5	20.93	22.76	31.50	4.49	4.03	10.95	12.54	18.33	18.33	18.33
>=7	16.15	20.70	25.00	2.71	1.56	5.25	9.53	13.33	13.33	13.33
>=10	12.38	20.17	14.86	1.59	15	2.43	6.77	10.04	10.04	10.04
>=20	6.64	12.54	8.01			.36	1.72	5.78	5.78	5.78
>=30	5.55	8.48	1.85				.78	3.42	3.42	3.42
>=40	5.44	7.25	.59				.52	2.72	2.72	2.72
>=60	5.27	4.38	.03				.06	1.82	1.82	1.82
>=80	4.18	1.39	.03					1.05	1.05	1.05
>=100			.09					.02	.02	.02
>=320										

TOT 3493 3242 3242 3244 2070 2751 3050 3085 24177

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 15 CHS	GCT								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	33.39	36.33	28.48	33.16	29.26	17.80	23.93	26.49	28.90
>=5	17.80	26.80	21.08	23.58	24.20	12.60	14.72	21.57	21.23
>=7	6.53	15.35	16.62	22.87	22.49	7.72	10.03	12.77	14.74
>=10	2.25	9.86	11.39	19.35	20.02	4.51	4.76	7.58	10.44
>=20	.07	4.04	3.35	12.63	12.46	1.67	.04	.65	4.75
>=30	.04	3.25	2.64	11.57	9.19				3.71
>=40		2.85	2.52	11.16	7.83				3.47
>=60		2.42	2.23	11.35	6.72				3.23
>=80		2.13	2.23	11.24	6.38				3.13
>=160		.61	1.67	10.71	4.71				2.58
>=320			.62	.03	.55				.33
TOT	2758	2769	3406	3586	2632	2747	2374	2295	22567

STATION 15 CHS	NOV								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	20.05	24.19	21.39	23.99	18.78	14.85	8.51	14.49	19.43
>=5	12.47	14.18	16.27	18.11	11.67	10.08	5.14	7.08	11.97
>=7	9.63	10.20	12.29	12.00	5.76	5.87	4.56	4.91	8.30
>=10	3.31	6.31	7.96	5.50	3.29	1.34	3.68	2.72	5.00
>=20	2.21	2.82	.58	2.09	.73	.71	2.27	.50	1.49
>=30	1.12	.40	.02	.87	.03	.16	.76	.05	.43
>=40	.17	.33		.15			.18		.11
>=60		.02							.00
>=80									
>=160									
>=320									
TOT	4019	4245	4223	3926	3557	3669	3970	3829	31488

STATION 15 CHS	DEC								TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	40.05	39.76	30.51	18.92	47.57	39.42	39.82	32.73	39.81
>=5	29.82	35.74	32.42	33.58	31.97	23.37	28.80	26.73	30.34
>=7	25.16	28.34	25.80	25.13	19.97	17.21	23.22	23.22	23.87
>=10	21.85	24.19	18.56	18.42	9.62	13.14	20.32	16.18	18.06
>=20	6.87	9.26	7.30	12.23	5.11	7.00	11.28	6.93	8.28
>=30	4.08	3.58	3.03	6.87	4.91	5.64	7.69	5.95	5.21
>=40	2.33	1.65	1.76	5.30	4.47	5.23	6.44	4.21	3.86
>=60	.28	.43	1.01	3.94	4.15	4.33	4.59	3.45	2.69
>=80	.07		.89	3.62	4.15	4.01	3.26	3.01	2.29
>=160			.12	3.49	.64	.45	1.39	.57	.83
>=320							.15		.02
TOT	5446	5106	4957	4979	4316	4415	4812	5271	39360

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (ONT)

STATION 20	RAC	JAN							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	11.29	14.21	10.25	11.11	18.83	28.63	24.56	4.87	13.68
>=5	3.99	4.14	1.34	3.08	9.91	9.70	10.87	.04	4.55
>=7	2.02	3.16	.23	2.05	4.52	5.89	9.55	.04	2.89
>=10	1.86	2.39	.10	.60	1.59	5.42	8.96		1.90
>=20	.10	.27				.42	2.39		.24
>=30							.69		.04
>=40									
>=50									
>=60									
>=160									
>=320									

TOT 3934 4127 3960 3995 2555 1620 1592 2853 24806

STATION 20	RAC	FEB							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	18.29	15.31	23.10	30.60	37.69	41.10	32.42	9.59	25.17
>=5	9.55	5.11	12.87	23.59	23.27	21.67	9.19	4.52	13.01
>=7	5.83	1.31	3.14	12.69	14.26	16.67	6.86	3.08	8.67
>=10	2.45	.26	3.28	10.94	11.48	12.36	5.89	2.02	5.67
>=20	.05		.21	2.74	1.92	6.68	1.72	.22	1.50
>=30			.13	1.70	.18	4.11	1.00		.75
>=40			.05	1.42		2.56	.35		.49
>=50				.57		.72			.15
>=160				.20					.02
>=320									

TOT 4167 3814 3745 3582 3283 3041 3600 4452 29684

STATION 20	RAC	MAR							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	26.34	32.76	31.11	20.79	25.70	61.39	59.00	26.50	39.13
>=5	17.05	11.93	18.71	10.31	25.24	32.21	18.03	12.88	19.61
>=7	11.70	16.21	15.05	9.74	17.72	20.83	12.42	6.54	13.58
>=10	10.75	14.56	10.92	7.27	12.98	19.11	10.79	5.17	11.65
>=20	9.73	12.45	12.65	7.50	10.57	11.41	7.15	4.41	3.87
>=30	7.47	9.30	12.15	.30	5.85	4.23	5.12	2.69	5.90
>=40	5.23	9.04	11.11	.08	3.10	.12	.69	1.15	3.82
>=50	1.90	7.70	9.15		1.20			.12	2.61
>=160	.05	7.25	7.25		.60				1.97
>=320		3.40	2.32						.76

TOT 4112 4054 3644 3300 3075 3313 3495 4083 30514

CUMULATIVE PERCENT. L. FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF FLIGHT

STATION 20	RKD	APR	0000-0200	0300-0500	06 0 0000	0900-1100	1200-1400	1600-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	26.63	24.12	24.00	25.94	39.73	54.10	50.51	23.19	33.54		
>=5	12.22	13.59	14.00	15.17	14.19	10.33	7.79	9.14	12.71		
>=7	8.94	11.66	12.74	11.44	13.12	8.57	3.03	6.36	9.58		
>=10	5.30	7.97	8.34	7.97	9.77	6.44	.29	2.60	6.24		
>=20	1.02	1.45	1.40	2.52	1.22	.17		.18	1.56		
>=30	.29	.73	3.51	0.03	.90	.02			1.10		
>=40		.39	3.32	2.18	.15				.79		
>=60			2.70	.62					.44		
>=80			1.47	.15					.21		
>=160											
>=320											

TOT 5204 5181 5159 5220 4786 4652 4455 4465 39506

STATION 20	RKD	APR	0000-0200	0300-0500	06 0 0000	0900-1100	1200-1400	1600-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	19.05	23.10	23.13	25.34	36.73	45.75	51.51	26.58	38.54		
>=5	14.09	13.83	23.40	10.70	16.37	15.00	12.50	12.85	15.74		
>=7	11.61	10.96	10.42	12.03	5.63	5.76	7.35	8.43	10.03		
>=10	7.25	9.56	10.15	3.69	1.44	1.62	3.58	7.14	6.38		
>=20	3.25	5.84	4.25	1.04	.06		.68	2.73	2.72		
>=30	3.15	4.66	4.11	.40				.31	1.66		
>=40	2.71	4.11	3.21	.30				.11	1.35		
>=60	2.17	3.44	2.72	.23					1.12		
>=80	1.80	3.25	2.57	.21					.97		
>=160		.56	.21	.13					.09		
>=320											

TOT 5205 5151 4912 5304 4706 5053 5003 5501 41966

STATION 20	RKD	APR	0000-0200	0300-0500	06 0 0000	0900-1100	1200-1400	1600-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	35.71	38.54	23.13	25.94	47.10	24.94	35.52	40.05	39.13		
>=5	21.67	24.12	23.21	20.56	20.56	12.39	17.07	19.10	21.40		
>=7	15.38	20.71	10.21	10.26	12.40	5.62	8.20	12.68	14.53		
>=10	9.15	21.11	10.14	15.00	3.24	3.04	3.75	5.17	9.26		
>=20	2.02	1.00	1.00	1.03	3.10	.79	1.02	.73	4.60		
>=30	1.02	1.00	0.53	5.71	2.05	.22	.40	.25	3.23		
>=40	1.02	1.00	0.53	5.39	1.06	.32	.30	.13	2.85		
>=60	.81	0.64	0.43	0.62	.75		.11	.06	2.32		
>=80	.51	4.56	5.52	4.43	.26		.02		1.96		
>=160	.30	2.72	2.33	.55					.74		
>=320			.62						.00		

TOT 5209 5220 4908 4692 5072 4964 5014 5188 40268

PLAT NO PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
AT TIME OF DAY (GMT)

STATION CC	0000-0200	0200-0500	0500-0800	0800-1100	1100-1400	1400-1700	1700-2000	2000-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	39.12	59.91	41.44	22.83	40.67	26.17	34.16	53.06	42.62
>=5	16.67	34.27	21.72	25.08	18.36	9.92	9.70	15.14	20.63
>=7	8.73	27.03	20.44	20.17	12.02	6.81	3.96	4.81	13.06
>=10	5.17	12.30	8.04	11.12	6.53	1.77	2.69	1.38	6.99
>=20	3.14	4.52	6.62	3.95	3.04	.02	.02	.02	2.61
>=30	2.07	3.05	5.35	2.25	2.41	.02			1.89
>=40	1.76	2.79	4.02	1.52	2.13				1.57
>=60	1.14	2.24	3.61	1.13	1.59				1.23
>=80	.95	1.55	2.52	.99	1.41				1.08
>=160	.21	1.55	2.33	.24	.78				.63
>=320		.60	.19		.06				.11

TOT 4836 4830 4082 4531 4974 4979 4979 5217 39138

STATION CC	0000-0200	0200-0500	0500-0800	0800-1100	1100-1400	1400-1700	1700-2000	2000-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	52.60	69.50	71.72	63.95	46.87	23.23	20.12	31.71	47.65
>=5	27.27	36.12	42.80	38.24	24.27	8.72	5.23	18.39	24.80
>=7	21.04	33.39	32.30	21.06	8.71	6.44	.91	8.46	15.27
>=10	7.37	16.39	16.53	12.31	4.70	3.42	.57	1.77	7.88
>=20	1.21	5.19	7.15	6.79	1.35	.39	.09	.03	2.77
>=30	.52	4.38	6.12	5.89	.66				2.20
>=40	.39	4.11	5.21	5.55	.39				1.96
>=60	.33	3.54	3.97	5.40	.24				.89
>=80		2.85	2.73	5.40	.15				.70
>=160		.30	2.61	4.65					.94
>=320			1.15						.15

TOT 3965 3321 3330 3224 3241 3073 3171 3665 26171

STATION CC	0000-0200	0200-0500	0500-0800	0800-1100	1100-1400	1400-1700	1700-2000	2000-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	25.09	34.94	47.53	41.21	5.16	9.68	16.63	20.30	28.13
>=5	22.15	23.01	21.72	3.32	0.31	5.54	13.75	12.80	20.55
>=7	18.05	21.13	20.07	22.74	2.44	.18	7.45	9.53	15.96
>=10	11.31	19.4	11.81	13.48			3.14	7.56	11.11
>=20	6.18	12.59	13.17	1.38			.62	3.34	6.11
>=30	5.47	10.08	10.61	4.29			.16	.49	4.22
>=40	5.29	8.37	8.67	.55			.10	.16	3.56
>=60	4.56	6.33	4.73	2.22					2.44
>=80	3.46	4.34	2.80	1.54					1.69
>=160			.60	.68					.22
>=320			.12	.06					.02

TOT 3194 3225 2741 3741 3090 2742 3055 3054 24142

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINGUISHING COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 20	RKD	OCT								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	54.59	69.02	61.56	66.58	67.51	74.91	53.91	44.47	62.02	
>=5	52.69	65.98	56.15	61.86	48.25	29.90	23.38	40.05	49.31	
>=7	12.36	33.03	39.40	42.62	32.92	4.73	1.53	.62	23.55	
>=10	1.21	14.32	23.51	29.87	29.60	.77	.86	.09	14.04	
>=20		2.12	10.86	22.10	23.64				8.35	
>=30		.23	7.57	20.26	21.89				7.08	
>=40		.08	6.47	12.85	20.32				6.48	
>=60			5.55	17.93	18.39				5.95	
>=80			1.74	17.61	16.90				5.62	
>=100			3.06	15.47	10.60				4.47	
>=320			.35	1.35	2.63				.57	
TOT	1219	1320	1731	1846	1142	1164	1048	1134	10701	
STATION 20	RKD	NOV								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	23.42	25.59	23.85	23.74	19.26	20.52	10.55	15.11	20.49	
>=5	13.67	14.39	15.13	12.40	12.09	10.74	6.85	7.83	11.73	
>=7	10.22	11.46	11.53	9.02	6.08	7.88	5.39	5.02	8.46	
>=10	9.70	9.94	8.23	5.50	4.22	1.72	3.35	2.37	5.70	
>=20	2.99	2.82	.97	1.30	1.57	.11	1.21	.08	1.41	
>=30	.92	.68	.02	.31	.70				.33	
>=40	.07	.07			.37				.06	
>=60					.03				.00	
>=80										
>=100										
>=320										
TOT	4010	4295	4223	3926	3557	3669	3970	3023	31573	
STATION 20	RKD	DEC								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	39.03	40.23	37.06	40.66	47.15	49.24	43.69	33.18	41.34	
>=5	27.75	33.45	31.19	29.60	31.78	24.24	29.01	25.62	29.21	
>=7	25.32	26.91	22.70	21.84	18.20	18.51	25.36	23	22.95	
>=10	22.33	20.93	4.59	15.45	10.49	13.00	21.74	16.1	17.23	
>=20	7.69	7.03	5.35	11.72	4.81	7.25	9.48	7.60	7.75	
>=30	4.94	2.06	2.56	7.16	4.54	5.62	4.89	7.07	4.86	
>=40	2.53	.61	1.75	5.71	4.40	4.80	3.46	5.21	3.52	
>=60	.29	.08	1.53	4.28	4.15	4.05	2.52	3.58	2.50	
>=80	.06	.02	1.57	3.80	4.15	4.01	2.00	2.26	2.15	
>=100			1.43	3.62	2.69	3.65	.40		1.42	
>=320				.38					.05	
TOT	5446	5106	4957	4973	4365	4415	4802	5277	39341	

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 21	NRV	JAN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	8.60	12.70	11.66	14.34	15.57	18.14	11.46	7.09	12.21	12.21
>=5	6.92	3.49	7.45	9.45	9.32	13.16	9.11	5.24	8.32	8.32
>=7	5.64	7.04	4.47	6.91	5.35	8.98	7.45	3.28	5.92	5.92
>=10	3.71	5.47	4.00	4.81	3.29	4.84	5.95	1.01	4.00	4.00
>=20	.28	2.23	3.96	2.77	1.43	.09	1.87	.03	1.92	1.92
>=30	.09	1.20	2.58	1.13	1.05		.05		.92	.92
>=40	.04	.45	.91	.54	.99				.42	.42
>=60	.04		.09	.19	.99				.16	.16
>=80	.04			.02	.96				.12	.12
>=160	.04				.90				.11	.11
>=320					.45				.05	.05

TOT 4465 4676 4499 4616 3346 2150 1867 3567 29186

STATION 21	NRV	FEB								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	14.10	13.57	19.26	24.33	20.71	10.52	6.90	7.47	14.69	14.69
>=5	8.65	2.95	8.47	17.51	14.14	9.18	4.30	5.27	8.90	8.90
>=7	5.93	.51	5.65	13.13	11.52	7.62	2.91	3.01	6.21	6.21
>=10	2.61	.15	2.72	7.17	7.90	6.95	2.06	1.74	3.77	3.77
>=20	.09		.16	1.72	1.78	3.69	.39	.22	.91	.91
>=30				1.39	.24	1.68	.31		.42	.42
>=40				1.14	.05	.46	.18		.22	.22
>=60				.21			.05		.03	.03
>=80				.07					.01	.01
>=160										
>=320										

TOT 4405 4105 4298 4312 3698 3280 3885 4482 32465

STATION 21	NRV	MAR								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	25.58	20.73	27.97	24.55	29.50	23.15	16.30	19.28	24.72	24.72
>=5	14.66	23.72	20.14	11.59	16.79	17.94	10.62	8.77	15.53	15.53
>=7	12.83	19.33	14.89	9.07	13.22	17.08	9.64	5.90	12.69	12.69
>=10	11.31	16.89	14.23	7.37	12.33	16.22	8.82	4.85	11.42	11.42
>=20	9.05	14.16	13.54	2.15	6.48	7.94	5.15	4.41	7.99	7.99
>=30	6.66	11.96	11.84	1.29	4.30	1.07	.22	1.22	4.97	4.97
>=40	5.08	10.48	9.89	1.06		.30		.02	3.50	3.50
>=60	.61	8.93	6.44	.40		.18			2.15	2.15
>=80		7.42	5.40	.10		.15			1.70	1.70
>=160		.74	1.93						.34	.34
>=320										

TOT 4112 4055 3943 3960 3875 3361 3570 4103 30779

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 21	NRV	APR							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.89	18.70	20.89	18.13	15.43	11.42	8.31	11.34	15.19
>=5	10.97	14.17	16.23	15.37	13.48	8.32	5.25	8.93	11.73
>=7	7.97	10.01	12.69	12.09	11.66	6.85	1.28	5.05	8.57
>=10	4.55	6.23	8.07	7.88	6.68	4.24	.18	1.37	4.98
>=20	.83	1.00	4.42	4.25	.98			.28	1.53
>=30	.35	.35	3.90	2.38					.91
>=40	.04	.12	3.67	1.40					.68
>=60			3.14	1.05					.55
>=80			1.36	.59					.25
>=160			.12	.19					.04
>=320			.08	.04					.02

TOT 5206 5186 5155 5218 4674 4712 4515 4972 39638

STATION 21	NRV	MAY							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	16.12	13.67	27.30	33.76	11.64	8.82	11.00	13.05	17.07
>=5	12.90	8.49	17.50	13.99	4.09	4.80	7.33	9.89	10.03
>=7	9.66	7.81	14.20	7.48	1.75	2.49	4.75	8.43	7.21
>=10	6.89	6.91	9.48	3.92	.51	.57	2.12	5.54	4.61
>=20	3.15	4.08	5.24	1.09			.14	1.02	1.89
>=30	2.57	2.87	3.06	.34					1.27
>=40	2.31	3.73	2.30	.23					1.10
>=60	1.96	3.20	1.31	.13					.86
>=80	1.22	3.13	.96	.08					.69
>=160									
>=320									

TOT 5497 5268 5400 5331 4862 5056 5007 5501 42022

STATION 21	NRV	JUN							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	31.81	34.28	26.65	27.05	22.44	6.83	12.93	18.14	22.77
>=5	20.25	23.48	16.59	15.65	11.75	4.49	9.40	12.49	14.31
>=7	13.93	19.59	14.96	13.01	9.39	3.15	6.79	6.89	10.94
>=10	9.34	17.04	13.38	10.55	7.50	1.87	3.66	3.36	8.33
>=20	2.26	10.96	6.55	6.19	2.55	.53	.97	.62	4.06
>=30	.91	10.14	7.87	5.32	1.16	.32	.54	.25	3.29
>=40	.65	9.71	7.63	4.76	.73	.22	.44	.19	3.02
>=60	.58	8.30	5.63	2.53	.43	.12	.18	.04	2.34
>=80	.16	6.67	5.31	1.45	.14	.02	.14		1.73
>=160		1.16	2.22	.06					.43
>=320		.72	1.30						.25

TOT 5140 5157 4992 4813 5090 5073 4067 5299 40531

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
AT A TIME OF DAY (GMT)

STATION 21	NRV	JUL							
	0000-0200	0200-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	33.90	41.62	50.86	55.43	55.19	61.31	50.06	40.41	21.95
>=5	17.03	31.07	29.84	16.51	0.80	5.77	4.12	4.49	14.49
>=7	10.39	24.50	21.04	12.15	7.82	3.91	3.59	2.75	10.52
>=10	7.09	13.97	10.09	7.24	4.52	.71	2.31	1.26	5.83
>=20	5.58	6.66	3.14	2.64	2.62	.23	.63	.06	2.91
>=30	4.82	7.57	2.55	.90	2.31	.17	.49		2.31
>=40	4.43	7.27	2.19	.40	2.23	.15	.19		2.11
>=60	3.61	6.65	1.52	.24	1.84	.13	.06		1.76
>=80	2.82	5.59	1.17	.14	1.57	.06			1.48
>=160	1.70	3.45	.42		1.15				.85
>=320	.83	1.51			.02				.30
TOT	4714	4590	4269	4172	4315	4763	4760	5014	37227

STATION 21	NRV	AUG							
	0000-0200	0200-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	25.14	47.79	54.72	42.49	30.10	11.94	9.91	25.46	34.60
>=5	13.04	17.74	31.44	17.96	19.12	9.84	4.29	14.45	19.04
>=7	6.84	11.62	24.04	16.29	6.10	3.30	.87	6.23	10.35
>=10	1.58	9.39	16.64	14.70	2.24	.92	.55	1.20	6.04
>=20	.23	6.25	8.34	5.98	.68				2.85
>=30		5.65	6.40	5.92	.53				2.48
>=40		5.05	5.50	5.67	.37				2.24
>=60		4.02	4.62	5.30	.16				1.83
>=80		2.42	4.55	5.17	.03				1.55
>=160		1.00	2.93	2.53	.03				.88
>=320		.19	.69						.11
TOT	2983	3185	3311	3210	3219	2048	3098	3579	25533

STATION 21	NRV	SEP							
	0000-0200	0200-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	24.89	28.20	42.48	40.21	29.11	21.73	18.84	9.95	26.76
>=5	11.53	10.91	24.55	27.10	6.17	11.94	6.46	4.10	15.23
>=7	9.39	16.42	21.61	21.66	5.31	9.40	6.89	2.83	11.89
>=10	5.01	13.30	14.51	14.62	4.15	3.51	3.08	1.47	7.66
>=20	.49	9.01	9.33	6.70	.23	2.55	.17	.04	3.84
>=30	.13	7.10	7.72	3.44	.13	1.18	.17		2.85
>=40		5.28	5.96	3.91	.07	1.01	.13		2.18
>=60		3.74	3.34	3.50		.41	.04		1.45
>=80		1.65	2.58	1.30		1.02	.04		.89
>=160		.35	1.60	.65		.22			.38
>=320			.74	.20		.11			.15
TOT	2653	2539	2441	2183	1500	1761	2336	2441	17848

CUMULATIVE PERCENTAGE FREQUENCY OF
 EXTINGUISHING COEFFICIENT (K)(X10-4 2-1)
 WITH TIME OF DAY (H)

STATION 21	NR.	OCT								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	41.37	51.46	51.12	55.07	40.40	45.82	53.86	7.09	42.42	
>=5	14.17	25.42	23.47	31.21	32.40	51.76	16.01	.16	23.99	
>=7	5.63	10.21	17.11	24.64	31.71	19.07	10.55		15.24	
>=10	2.26	6.67	4.51	20.16	23.73	3.70	3.77		8.83	
>=20			1.30	12.04		1.29			2.30	
>=30			1.13	5.59		.77			1.64	
>=40			1.13	5.33					1.05	
>=50			1.00	.52					.25	
>=80			1.00						.17	
>=150			.09						.06	
>=320										

TOT 614 480 767 762 521 368 531 635 4745

STATION 21	NR.	NOV								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.74	13.81	10.71	23.23	21.71	23.71	16.02	11.62	19.58	
>=5	12.96	13.41	10.71	10.37	10.71	18.83	12.82	5.18	12.77	
>=7	10.03	11.43	11.12	11.45	10.71	11.33	11.44	2.45	9.06	
>=10	8.02	9.20	6.20	3.03	5.70	10.22	10.43	1.50	5.80	
>=20	2.01	4.45	.08	1.22	1.71	8.44	8.49	.43	3.40	
>=30	.57	3.49	.01		.42	7.36	6.30	.30	2.29	
>=40	.27	3.40			.40	1.05	5.77	.28	1.95	
>=50	.12	3.24				2.14	5.14		1.58	
>=60	.12	3.07				2.24	4.32		1.26	
>=150	.07	1.82				1.41	1.79		.65	
>=320		.16							.02	

TOT 4029 4295 4223 5126 3113 3009 3973 3956 31606

STATION 21	NR.	DEC								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	39.09	40.34	39.42	40.35	39.21	29.64	39.73	33.16	37.56	
>=5	24.94	25.47	23.65	23.94	23.71	20.03	24.65	25.09	25.76	
>=7	20.85	22.55	19.32	23.41	19.71	15.71	21.04	20.47	19.79	
>=10	16.31	15.94	16.24	13.24	11.73	11.51	18.28	14.10	15.05	
>=20	5.29	5.64	9.21	12.33	5.09	9.59	7.41	8.65	7.19	
>=30	3.32	3.08	5.15	7.76	1.89	5.16	4.65	7.18	5.07	
>=40	1.95	2.51	3.35	5.34	4.60	4.38	2.57	4.86	3.79	
>=50	.73	1.16	2.61	3.39	4.20	4.35	1.89	3.15	2.90	
>=60	.62	.92	2.00	3.71	4.57	3.70	1.04	3.01	2.34	
>=150	.26	.96	.51	2.43	1.95	1.02	.48	1.54	.97	
>=320	.07						.04	.08	.03	

TOT 5445 5400 4056 5100 4177 4433 4815 5250 39556

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT ($\times 10^{-4} \text{ M}^{-1}$)
WITH TIME OF DAY (GMT)

STATION 22	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	TOT
0000-0200	0200-0300	0300-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	8.92	11.74	10.88	13.21	15.06	19.15	24.37	5.37	12.48
>=5	7.36	6.30	6.69	8.95	10.40	14.05	17.03	4.73	8.50
>=7	6.02	5.00	3.54	7.65	6.67	12.00	10.02	3.25	6.21
>=10	3.29	4.27	2.77	5.65	2.31	10.74	7.93	1.04	4.24
>=20	.32	2.69	2.66	2.56	1.26	1.53	2.46		1.71
>=30		1.15	1.51	.80	1.17				.68
>=40		.54	.79	.28	1.11				.38
>=50				.09	1.05				.14
>=80					1.05				.12
>=160					.87				.10
>=320					.21				.02

TOT 4405 4516 4440 4616 3346 2150 1867 3447 28887

STATION 22	FEB	FEB	FEB	FEB	FEB	FEB	FEB	FEB	TOT
0000-0200	0200-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300		
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	14.75	14.65	19.52	25.34	30.67	35.44	20.13	7.57	29.35
>=5	8.38	3.35	9.64	21.79	19.64	25.01	10.12	5.47	12.53
>=7	5.54	.38	6.34	15.26	13.51	14.70	5.16	3.27	7.93
>=10	2.41	.10	2.91	9.26	8.55	8.42	2.32	2.02	4.44
>=20	.09		.17	2.37	1.91	4.18	.62		1.07
>=30	.05			1.62	.75	2.32	.62		.56
>=40	.02			1.38	.11	1.6	.58		.42
>=60	.02			.41	.00	.3	.08		.11
>=80				.67	.08				.02
>=160									
>=320									

TOT 4435 3925 4119 4159 3571 3279 3705 4317 31560

STATION 22	MAR	MAR	MAR	MAR	MAR	MAR	MAR	MAR	TOT
0000-0200	0300-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300		
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=2	23.56	29.57	20.33	24.39	31.10	26.24	20.63	20.58	25.68
>=5	15.00	20.12	17.57	3.07	15.18	21.01	11.59	8.82	15.21
>=7	13.36	15.65	11.00	7.58	14.83	17.41	9.69	5.65	12.08
>=10	11.65	14.67	10.01	6.02	12.97	16.70	8.96	4.75	11.05
>=20	9.45	11.71	11.52	1.32	8.41	8.15	6.22	4.12	7.70
>=30	6.64	9.54	11.03	1.29	4.26	4.26	.90	2.36	5.12
>=40	4.40	8.73	10.52	1.16				.73	3.33
>=60	2.38	7.69	8.95	.40					2.57
>=80		6.91	6.61						1.76
>=160		.76	1.24						.26
>=320									

TOT 4112 4055 3940 3960 3675 3360 3572 4103 30781

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X₁₀-4 M-1)
WITH TIME OF DAY (GMT)

STATION 22	APR	APR	APR	APR	APR	APR	APR	APR	TOT
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300		
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	16.29	18.49	20.19	18.37	15.83	11.48	9.28	11.50	15.34
>=5	10.74	12.73	15.59	14.92	13.67	9.21	5.85	8.61	11.52
>=7	7.63	9.76	12.51	12.13	11.49	6.94	1.20	4.06	8.34
>=10	4.42	5.98	7.91	8.10	6.25	4.61	.20	1.11	4.90
>=20	.77	.75	4.79	4.66	.86			.18	1.56
>=40	.33	.25	4.15	3.43	.28				1.10
>=60		.08	3.52	2.74					.89
>=80			3.26	1.84					.67
>=160			2.09	1.09					.42
>=320			.21	.42					.06
			.02						.00
TOT	5206	5156	5155	5220	4574	4712	4515	4972	39641

STATION 22	MAY	MAY	MAY	MAY	MAY	MAY	MAY	MAY	TOT
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300		
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.05	11.29	21.00	31.97	14.70	11.11	15.94	17.64	17.68
>=5	9.64	10.06	14.93	14.19	5.89	7.29	9.67	14.96	11.07
>=7	7.35	9.20	14.48	9.12	1.60	3.69	4.52	12.36	8.12
>=10	6.65	8.34	11.61	5.46	.85	1.01	1.85	7.25	5.70
>=20	5.99	7.78	8.59	2.57				1.32	3.52
>=30	5.57	7.63	7.41	1.73				.04	3.00
>=40	4.30	6.50	5.57	1.48					2.41
>=60	2.58	5.68	3.67	1.16					1.78
>=80	.97	5.50	2.59	.67					1.30
>=160									
>=320									
TOT	2677	2675	2700	2840	2122	2277	2214	2590	23085

	1800-2000	2100-2300	TOT
100.00	100.00	100.00	100.00
43.80	43.80	43.80	43.80
27.02	27.02	27.02	27.02
25.83	25.83	25.83	25.83
20.07	20.07	20.07	20.07
12.60	12.60	12.60	12.60
10.10	10.10	10.10	10.10
8.75	8.75	8.75	8.75
7.77	7.77	7.77	7.77
6.97	6.97	6.97	6.97
5.29	5.29	5.29	5.29
1.16	1.16	1.16	1.16

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 22	OCT	OCT	OCT	OCT	OCT	OCT	OCT	OCT	TOT
	0500-0700	0800-1000	0900-1100	1000-1200	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	19.54	24.12	12.00	22.40	30.68	25.66	25.48	18.08	24.79
>=7	8.36	10.15	17.60	24.34	24.80	14.02	17.57	14.95	15.89
>=10	2.81	4.4	7.60	21.08	24.50	8.41	10.40	8.58	11.28
>=20	2.34	1.81	5.61	17.00	20.93	4.99	5.98	4.84	8.34
>=30	.62		3.11	13.50	10.06	2.26	.63		4.21
>=40	.36		2.62	10.82	8.13	.18	.13		3.13
>=60	.29		2.08	9.93	7.75	.04	.08		2.89
>=80	.11		2.01	8.41	7.37		.06		2.70
>=100			2.03	6.43	6.99		.04		2.62
>=160			1.56	5.51	5.13				2.18
>=320			1.09	3.04	.65				.72

TOT 2758 2769 3406 3586 2630 2747 2374 2295 22568

STATION 22	NOV	NOV	NOV	NOV	NOV	NOV	NOV	NOV	TOT
	0500-0700	0800-1000	0900-1100	1000-1200	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	14.25	17.16	17.96	23.05	19.31	23.96	15.27	11.94	17.77
>=7	9.89	9.83	8.38	8.07	14.00	14.64	7.19	6.10	9.60
>=10	7.52	8.57	5.52	3.34	6.49	6.60	3.84	3.84	5.71
>=20	6.53	7.61	3.13	.56	3.71	2.13	3.00	1.37	3.48
>=30	.69	3.19	.14		.17	.64	1.82		.89
>=40	.22	2.19	.02			.05	.13		.35
>=60	.17	2.07					.03		.31
>=80	.10	1.79							.26
>=100	.02	1.65							.23
>=160		.49							.07
>=320									

TOT 1029 4035 4223 3926 3750 3669 3962 3926 31593

STATION 22	D.C	D.C	D.C	D.C	D.C	D.C	D.C	D.C	TOT
	0500-0700	0800-1000	0900-1100	1000-1200	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	37.81	39.48	34.53	41.17	40.55	23.80	41.13	31.92	37.97
>=7	24.05	33.96	31.30	34.43	31.91	22.33	27.92	27.69	29.86
>=10	24.63	24.95	21.65	25.53	18.89	17.30	23.10	22.82	22.55
>=20	10.12	18.66	16.41	19.75	10.47	12.00	19.05	15.28	16.52
>=30	7.73	4.92	7.07	11.65	5.00	6.18	8.48	7.64	7.51
>=40	3.75	1.50	3.71	7.62	4.60	5.20	4.32	6.54	4.69
>=60	1.43	1.43	3.19	5.77	4.44	4.43	2.89	4.66	3.49
>=80	.51	.84	2.01	4.62	4.06	3.75	2.04	4.08	2.85
>=100	.33	.39	2.82	3.77	4.02	3.39	1.58	3.71	2.45
>=160	.13		1.65	3.57	3.01	1.89	.58	.99	1.43
>=320				.12			.12		.03

TOT 5446 5106 4297 3042 4476 4400 4814 5276 39517

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 23	ERY	JAN							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	10.62	16.11	12.45	18.37	15.93	19.67	14.78	8.16	14.25
>=5	8.69	10.25	8.07	8.47	10.64	13.58	12.21	5.76	9.26
>=7	7.28	8.60	5.20	6.46	5.86	11.02	10.28	4.01	6.93
>=10	4.84	6.55	4.02	5.31	2.24	9.30	8.09	1.63	4.91
>=20	.27	3.47	3.94	2.19	1.43	5.85	3.37		2.36
>=30	.07	1.35	2.42	.74	1.14	1.02	.54		.96
>=40	.02	.32	.76	.39	1.05				.34
>=60				.13	.84				.12
>=80					.66				.00
>=160					.39				.04
>=320					.15				.02

TOT 4465 4675 4498 4616 3346 2150 1867 3567 25184

STATION 23	ERY	FEB							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.69	15.35	20.86	25.25	21.23	11.95	8.62	7.89	15.88
>=5	9.44	5.29	10.00	19.96	14.10	9.94	5.37	5.47	9.97
>=7	6.95	.88	6.46	14.40	11.61	8.38	3.78	3.20	6.91
>=10	2.70	.29	3.18	8.41	8.50	7.44	2.50	2.15	4.28
>=20	.25			1.98	1.88	4.88	.56	.11	1.09
>=30				1.40	.19	2.84	.43		.55
>=40				1.28		1.95	.19		.39
>=60				.35			.05		.05
>=80				.07					.01
>=160									
>=320									

TOT 4405 4105 4272 4293 3731 3280 3759 4370 32215

STATION 23	ERY	MAR							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	26.15	30.41	27.76	23.57	29.52	23.98	17.65	20.98	25.08
>=5	17.34	24.19	19.70	11.52	18.31	19.16	12.29	7.58	16.22
>=7	12.41	18.03	15.16	7.43	13.65	16.96	10.44	6.17	12.47
>=10	10.78	16.25	14.05	6.31	12.71	15.50	8.99	4.92	11.10
>=20	9.56	13.44	13.82	2.55	7.92	8.45	6.19	4.24	8.30
>=30	7.30	12.11	12.65	1.29	4.65	3.24	.98	1.32	5.58
>=40	4.09	10.65	11.51	.99	1.22		.20	.05	3.70
>=60	2.60	9.10	9.56	.20			.14		2.81
>=80	.10	7.55	7.58				.14		1.99
>=160		1.68	1.70				.03		.44
>=320									

TOT 4111 4055 3944 3959 3675 3361 3572 4103 30780

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 23	ERY	APR							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	18.88	19.01	20.52	19.62	15.60	12.03	9.46	11.91	16.06
>=5	11.26	14.60	17.61	15.08	13.37	9.04	5.34	9.31	12.09
>=7	8.59	11.15	14.68	12.18	11.45	6.94	1.24	6.54	9.24
>=10	5.15	6.73	9.95	8.72	6.12	4.92	.24	2.11	5.60
>=20	1.29	1.16	5.33	4.90	.75			.36	1.79
>=30	.38	.62	4.58	3.24				.10	1.17
>=40	.66	.29	4.31	2.41					.92
>=60			3.65	1.51					.67
>=80			2.06	1.19					.42
>=160			.31	.15					.06
>=320									

TOT 5206 5166 5155 5220 4674 4712 4515 4972 39641

STATION 23	ERY	MAY							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	20.57	26.36	38.17	42.84	15.00	11.23	12.85	14.68	22.61
>=5	15.22	11.46	27.12	23.27	7.11	6.26	8.40	11.76	13.83
>=7	12.24	9.42	21.67	13.09	2.56	3.17	5.33	9.32	9.66
>=10	7.93	8.35	15.98	6.48	.98	.86	2.54	6.05	6.19
>=20	3.71	4.73	7.97	2.47			.21	1.78	2.62
>=30	3.04	4.50	5.12	1.47				.02	1.77
>=40	2.73	4.35	4.14	1.14				.02	1.54
>=60	2.02	3.98	3.13	.92				.02	1.26
>=80	.56	3.61	2.17	.61				.02	.87
>=160			.28	.11					.05
>=320			.04	.04					.01

TOT 4302 4648 4569 4568 4179 4665 4676 5110 37217

STATION 23	ERY	JUN							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	34.34	39.55	43.18	38.08	26.49	9.81	16.17	20.93	28.31
>=5	21.54	27.97	28.07	21.95	16.47	6.16	10.99	15.17	18.40
>=7	16.13	23.67	22.33	16.46	10.83	4.27	6.44	9.64	13.63
>=10	10.71	18.35	18.96	12.19	9.25	2.30	2.99	3.94	9.71
>=20	2.48	12.18	13.91	7.75	2.98	.97	.77	.54	5.10
>=30	1.35	10.94	10.71	5.82	1.18	.33	.47	.33	3.82
>=40	1.07	10.21	9.07	4.71	.64	.23	.23	.17	3.23
>=60	.56	8.87	7.73	3.09	.46	.15	.06	.08	2.59
>=80	.36	7.22	6.76	2.10	.02	.12			2.04
>=160		1.94	2.67	.09					.58
>=320		.51	.42						.12

TOT 4680 4660 4500 4333 4561 4624 4687 4844 37109

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (LVT)

STATION 23 ERY	JUL								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	39.90	50.64	43.82	37.17	16.60	11.14	10.39	19.88	20.49
>=5	22.09	36.75	33.37	22.13	10.11	7.93	5.96	9.14	18.09
>=7	13.39	26.71	25.67	17.34	8.55	4.97	4.61	5.01	13.04
>=10	5.84	13.40	10.15	12.94	4.07	1.16	2.55	1.48	7.36
>=20	5.93	6.03	7.07	1.82	1.32	.35	.84	.06	3.68
>=30	4.65	6.88	6.71	1.12	.64	.29	.67	.06	2.81
>=40	3.47	6.11	6.58	2.22	.11	.25	.35	.04	2.00
>=60	2.13	5.51	6.33	1.83	.33	.21	.16		2.37
>=80	1.74	4.65	5.91	1.46	.19	.14	.12		1.75
>=160	1.07	3.50	4.37	.92	.10	.02	.02		1.21
>=320	.70	1.15	.35						.32

TOT 4340 4682 4439 4326 4319 4248 4278 5206 38238

STATION 23 ERY	AUG								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	47.64	68.38	70.93	72.68	47.62	15.75	17.37	34.56	46.03
>=5	28.17	32.49	30.11	16.55	21.72	7.33	4.58	22.77	25.55
>=7	21.00	13.36	29.37	27.19	3.37	4.21	.63	11.57	15.33
>=10	6.66	11.53	10.68	14.04	2.96	1.91	.51	1.95	6.88
>=20	2.45	4.93	7.34	7.45	.93			.22	2.96
>=30	1.63	4.07	6.40	7.15	.37			.03	2.49
>=40	.81	3.91	5.95	6.96	.22			.03	2.23
>=60		3.06	4.30	5.47	.03				1.61
>=80		2.40	3.93	5.31					1.47
>=160		.67	2.14	5.50					.78
>=320									

TOT 3971 3296 3313 3189 3227 3642 3166 3568 25786

STATION 23 ERY	SEP								
0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	27.94	36.28	22.57	36.78	9.20	13.97	20.21	22.86	27.19
>=5	21.75	10.01	24.57	21.51	7.04	1.91	8.54	12.23	17.37
>=7	14.67	16.52	22.41	16.40	4.12	.26	3.42	6.18	12.27
>=10	9.50	22.60	11.07	12.89	.35	.17	1.06	2.57	9.06
>=20	6.49	12.24	4.87	.11			.25		5.04
>=30	3.32	10.10	3.93	1.13			.13		3.89
>=40	4.14	8.75	6.56	3.06			.13		3.02
>=60	2.68	5.77	3.40	2.87			.13		1.99
>=80	2.16	5.51	3.15	2.75					1.81
>=160		.29	2.51	2.04					.65
>=320			.65						.00

TOT 2727 2376 2468 2545 1835 2311 2465 2183 18681

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 23	ERY	OCT							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	10.12	18.51	14.36	23.19	25.37	13.25	14.28	12.77	17.52
>=5	3.70	5.80	10.16	22.41	23.32	5.61	7.67	8.19	11.01
>=7	3.08	3.81	8.66	15.84	20.43	3.42	4.72	4.71	8.47
>=10	2.18	1.77	5.23	13.50	13.63	2.80	1.68	1.05	5.65
>=20	1.70	.41	2.73	11.02	8.13	.04		.09	3.40
>=30	1.56	.15	2.00	10.18	7.22				2.98
>=40	1.45	.11	1.73	9.93	6.95				2.85
>=60	1.16	.04	1.56	9.73	5.66				2.60
>=80	.91		1.47	9.51	5.09				2.45
>=160	.36		1.35	4.94	.53				1.10
>=320				.73					.12

TOT 2753 2653 3406 3566 2633 2747 2374 2295 22452

STATION 23	ERY	NOV							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.48	15.44	15.87	17.39	11.51	12.70	6.45	7.53	12.90
>=5	9.79	11.71	11.39	8.84	6.94	6.37	3.83	4.15	8.01
>=7	8.60	10.22	9.61	6.76	5.04	2.65	3.05	1.65	6.11
>=10	4.35	7.17	5.92	2.92	3.57	1.48	2.06	.71	3.62
>=20	1.49	3.68	.24	.18	.16	.26	.13	.03	.82
>=30	.20	3.42				.09	.08		.52
>=40	.10	3.26				.09	.05		.48
>=60	.05	2.91				.03			.41
>=80		2.40							.33
>=160		1.12							.15
>=320		.12							.02

TOT 4025 4295 4223 3904 3413 3503 3842 3931 31136

STATION 23	ERY	DEC							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	38.06	40.68	38.25	40.11	40.07	29.15	41.33	33.69	37.70
>=5	28.57	34.65	31.69	31.97	30.13	21.79	28.97	27.84	29.56
>=7	25.03	26.40	21.23	23.50	17.33	15.04	24.71	24.08	22.53
>=10	20.07	21.31	16.72	16.18	11.10	12.01	20.85	15.48	17.17
>=20	7.25	7.83	11.05	12.64	5.12	7.17	8.49	7.64	8.45
>=30	3.23	3.64	5.08	5.64	5.00	5.54	4.30	6.28	5.21
>=40	.72	2.00	3.51	6.52	4.58	4.52	2.29	4.50	3.52
>=60	.25	.74	2.54	4.99	4.31	4.13	1.60	3.95	2.78
>=80	.20	.20	2.06	4.30	4.04	3.81	1.04	3.35	2.32
>=160	.06		1.13	3.51	2.75	2.97	.31	.76	1.38
>=320				.81				.04	.11

TOT 5446 5106 4957 5093 4477 4405 4916 5290 39590

STATION 26	TWL	MAR							TOT
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	29.08	32.72	29.02	29.28	32.73	33.88	29.09	27.21	30.83
>=5	20.87	20.37	16.85	12.56	23.81	25.8	20.10	13.83	19.09
>=7	14.61	15.62	15.32	9.78	17.68	20.6	16.90	10.44	14.98
>=10	12.93	14.78	14.90	9.19	15.19	18.97	14.67	6.53	13.20
>=20	10.67	14.64	14.34	7.08	13.08	10.84	10.11	5.21	10.72
>=30	10.34	13.67	14.03	5.72	10.04	7.06	7.36	4.85	9.16
>=40	9.38	12.78	13.59	4.17	6.44	3.88	4.98	4.03	7.49
>=60	6.82	11.02	12.19	2.75	2.80	.10	.69	3.42	5.12
>=80	5.38	9.19	10.94	1.92	1.46		.03	2.60	4.07
>=160	.83	6.48	4.38		.14				1.52
>=320			.56						.07
TOT	3752	3701	3584	3600	3495	3089	3314	3918	28453

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(MT)

STATION 25	TWL	APR	0000-0200	0200-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	21.79	20.02	22.51	21.00	24.33	19.63	23.85	16.71	21.35		
>=5	13.56	16.42	17.62	15.80	19.22	13.43	17.13	13.12	15.79		
>=7	10.09	12.38	14.18	13.11	15.84	10.36	11.59	8.52	12.00		
>=10	5.73	8.42	9.51	7.96	10.41	7.12	7.46	3.09	7.46		
>=20	1.03	1.94	1.80	4.51	2.19	.05	3.75	.73	2.40		
>=30	.47	1.32	1.24	3.80	1.42		1.64	.07	1.67		
>=40	.02	1.07	1.05	3.27	.74		.23	.02	1.21		
>=50		.54	1.05	2.49					.92		
>=60		.45	3.21	1.57					.77		
>=160			1.40	.02					.18		
>=320											

TOT 4463 4475 4435 4500 4073 4171 3970 4237 34345

STATION 26	TWL	MAY	0000-0200	0200-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	13.41	11.97	24.59	32.48	21.52	19.20	12.73	13.70	19.43		
>=5	10.02	8.95	16.11	22.55	10.10	8.80	8.67	9.94	11.94		
>=7	7.37	8.03	12.30	14.47	3.82	4.66	5.97	7.25	8.19		
>=10	5.14	7.42	10.08	7.66	1.13	1.09	3.18	4.84	5.15		
>=20	3.37	4.37	5.42	2.44		.04	.24	1.61	2.25		
>=30	3.15	4.19	4.54	1.74			.02		1.76		
>=40	2.79	4.17	4.35	1.52					1.65		
>=60	2.15	4.11	4.07	1.30					1.54		
>=80	2.30	3.92	3.29	1.24					1.38		
>=160	.49	2.86	1.49	.70					.71		
>=320											

TOT 5139 5105 5039 4990 4604 4786 4660 5103 39426

STATION 26	TWL	JUN	0000-0200	0200-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	35.09	39.27	39.64	39.92	35.44	25.89	21.44	23.67	32.32		
>=5	18.22	26.03	21.08	21.87	22.07	12.69	15.72	15.01	19.05		
>=7	14.96	21.55	19.35	13.07	11.61	7.50	11.25	9.60	14.10		
>=10	10.91	19.61	15.46	13.32	8.56	3.86	6.85	4.09	10.24		
>=20	4.01	11.89	11.10	6.88	4.37	1.06	2.13	.79	5.20		
>=30	2.09	10.47	9.60	5.61	2.72	.43	.45	.41	3.90		
>=40	1.53	10.14	8.72	4.89	2.39	.30	.16	.18	3.47		
>=50	.67	9.26	7.83	4.11	1.81	.10	.10	.06	2.93		
>=60	.40	8.73	7.42	3.64	.99		.08		2.55		
>=160	.02	5.28	4.22	.90	.16				1.30		
>=320		.02	.51						.06		

TOT 5029 4978 4877 4692 5152 5082 4888 5082 39591

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
(1/4 TIME OF DAYLIGHT)

STATION 26 TOL	JUL	JUL	JUL	JUL	JUL	JUL	JUL	JUL	JUL	JUL	TOT	
	0000-0200	0200-0400	0400-0600	0600-0800	0800-1000	1000-1200	1200-1400	1400-1600	1600-1800	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	31.30	41.40	44.00	46.98	49.60	52.00	54.00	55.69	57.71	59.69	61.91	27.91
>=5	11.73	29.06	33.33	36.22	38.73	40.73	42.59	44.23	45.71	47.11	48.71	15.06
>=7	6.65	23.16	26.66	29.17	31.84	34.59	37.45	40.19	42.65	44.86	46.86	8.86
>=10	4.20	19.79	22.66	25.91	28.91	31.84	34.59	37.45	40.19	42.65	44.86	4.30
>=13	1.33	11.63	13.33	15.33	17.33	19.33	21.33	23.33	25.33	27.33	29.33	.99
>=16	.91	8.49	9.72	11.22	12.72	14.22	15.72	17.22	18.72	20.22	21.72	.74
>=20	.49	4.72	5.22	6.22	7.22	8.22	9.22	10.22	11.22	12.22	13.22	.62
>=25	.22	.51	.57	.67	.77	.87	.97	1.07	1.17	1.27	1.37	.48
>=30	.09	.42	.47	.57	.67	.77	.87	.97	1.07	1.17	1.27	.40
>=35		.27	.33	.43	.53	.63	.73	.83	.93	1.03	1.13	.27
>=40		.07	.13	.23	.33	.43	.53	.63	.73	.83	.93	.10
TOT	4500	4473	4122	3991	4717	4633	4303	4856	35895			
STATION 26 TOL	AUG	AUG	AUG	AUG	AUG	AUG	AUG	AUG	AUG	AUG	AUG	TOT
	0000-0200	0200-0500	0500-0800	0800-1100	1100-1400	1400-1700	1700-2000	2000-2300	2300-2600	2600-2900	2900-3200	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	37.29	57.80	61.33	64.86	68.39	71.92	75.45	78.98	82.51	86.04	89.57	39.48
>=5	25.41	33.59	36.73	40.26	43.79	47.32	50.85	54.38	57.91	61.44	64.97	24.22
>=7	17.77	19.03	22.66	25.91	29.17	32.42	35.67	38.92	42.17	45.42	48.67	14.76
>=10	6.14	15.94	22.66	25.91	29.17	32.42	35.67	38.92	42.17	45.42	48.67	8.85
>=13	2.01	2.08	11.40	10.98	11.65	12.32	12.99	13.66	14.33	15.00	15.67	4.40
>=16	1.10	7.24	9.80	8.82	9.77	10.72	11.67	12.62	13.57	14.52	15.47	3.60
>=20	.45	6.09	8.54	7.36	8.51	9.66	10.81	11.96	13.11	14.26	15.41	3.11
>=25		5.64	6.43	6.22	6.51	6.80	7.09	7.38	7.67	7.96	8.25	2.63
>=30		3.80	4.53	4.73	4.93	5.13	5.33	5.53	5.73	5.93	6.13	.31
>=35		.48	2.13	2.57								.42
TOT	3378	3331	3420	3340	3325	3307	3003	3680	26247			

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT($\times 10^{-4}$ M $^{-1}$)
WITH TIME OF DAY(GMT)

STATION 28 TWL JCT	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0									
>=2									
>=5									
>=7									
>=10									
>=20									
>=30									
>=40									
>=60									
>=80									
>=160									
>=320									
TOT	0	0	0	0	0	0	0	0	0

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT(X10-4 M-1)
WITH TIME OF DAY(GMT)

STATION 28	TWH	JAN								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	5.90	10.86	11.82	13.09	15.79	16.03	8.30	5.14	10.58	
>=5	4.80	7.83	6.65	6.87	12.41	12.40	6.23	4.73	7.35	
>=7	4.47	6.57	5.50	4.52	5.06	10.28	4.39	3.83	5.36	
>=10	2.94	5.73	5.00	4.26	1.74	9.44	1.84	2.44	4.09	
>=20	.20	4.04	4.37	2.73	.55	.61		.03	1.90	
>=30	.03	1.65	2.54	.89	.44			.03	.86	
>=40	.03	.76	.82	.34	.31			.03	.35	
>=60	.03	.05	.02	.10	.27				.06	
>=80		.02		.02	.21				.03	
>=160					.07				.01	
>=320										

TOT 3981 4188 4132 4136 2926 1790 1666 3444 26289

STATION 28	TWH	FEB								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	13.67	12.66	18.82	24.15	23.05	19.29	9.68	7.52	15.96	
>=5	9.24	6.26	10.11	18.14	18.17	13.50	6.36	5.47	10.77	
>=7	5.72	1.37	7.44	14.00	13.45	10.42	3.78	3.12	7.39	
>=10	3.13	.15	5.18	11.08	11.47	8.37	2.67	2.03	5.37	
>=20	.11	.02	.33	3.23	4.88	6.69	.65	.09	1.81	
>=30		.02		1.80	1.57	5.69	.57		1.06	
>=40				1.12	1.03	5.29	.57		.87	
>=60				.37	.68	4.48	.51		.64	
>=80					.57	4.26	.49		.55	
>=160						3.02	.38		.35	
>=320						.16			.02	

TOT 4405 4092 4245 4278 3688 3214 3708 4391 32921

STATION 28	TWH	MAR								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
>=3	26.19	27.45	25.31	21.06	27.41	32.70	24.94	24.17	26.03	
>=5	20.53	18.32	15.53	10.61	20.77	23.42	19.41	13.36	17.62	
>=7	13.76	13.69	13.21	8.59	16.74	19.31	17.37	11.67	14.14	
>=10	12.52	13.51	12.01	7.35	14.82	17.79	15.33	8.48	12.66	
>=20	10.09	13.42	12.83	5.98	12.33	11.63	10.68	5.47	10.24	
>=30	9.78	13.37	12.68	5.76	11.35	7.91	8.22	4.66	9.23	
>=40	9.51	13.05	12.58	5.08	9.66	7.20	6.80	4.51	8.59	
>=60	9.17	12.48	12.12	4.52	6.54	4.25	5.64	4.41	7.51	
>=80	8.51	1.91	11.21	4.02	5.50	1.93	4.65	4.41	6.66	
>=160	5.45	8.01	7.15	.81	2.45	.15	.85	2.72	3.58	
>=320		.42	1.17						.21	

TOT 4112 4055 3943 3960 3674 3351 3529 4079 30713

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT ($\lambda 10^{-4}$ M-1)
WITH TIME OF DAY (GMT)

STATION 28	TWH	APR							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	17.97	16.80	17.67	17.53	16.69	15.11	17.80	13.27	16.62
>=5	11.49	13.25	14.97	11.72	14.04	11.69	12.62	10.57	12.57
>=7	8.55	10.43	12.14	9.81	12.41	9.28	7.76	6.94	9.68
>=10	5.19	7.58	8.32	6.25	8.50	6.26	3.73	2.18	6.02
>=20	.90	2.51	4.33	3.85	3.34	.70	.07	.30	2.04
>=30	.48	1.81	3.65	3.49	2.31	.21			1.53
>=40	.15	1.64	3.49	3.41	1.67	.11			1.35
>=60		1.45	3.49	3.30	.94				1.19
>=80		1.37	3.49	3.05	.47				1.09
>=160		.31	3.22	1.67					.68
>=320									

TOT 5203 5186 5156 5220 4673 4711 4510 4957 39616

STATION 28	TWH	MAY							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	15.91	13.67	24.37	36.89	15.25	15.17	16.03	13.35	19.01
>=5	13.37	11.44	16.37	21.52	9.15	8.88	10.83	11.94	13.04
>=7	10.80	9.74	13.71	15.40	4.12	5.63	6.98	11.23	9.85
>=10	8.28	8.05	11.74	9.79	1.37	1.90	3.46	8.09	6.72
>=20	3.71	4.65	6.28	4.78	.02		.38	2.36	2.85
>=30		4.16	4.57	3.36			.08	.20	2.02
>=40		4.10	4.09	2.63					1.81
>=60		4.03	3.83	2.01					1.67
>=80	2.95	3.99	3.78	1.69					1.60
>=160	2.29	3.84	3.09	1.18					1.33
>=320		.11	.04						.02

TOT 5317 5339 5399 5330 4829 4990 5003 5377 41584

STATION 23	TWH	JUN							
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	31.55	37.50	34.67	34.83	30.90	20.14	21.21	19.50	28.65
>=5	18.26	26.00	19.98	21.16	22.17	11.43	15.61	13.01	18.39
>=7	15.64	23.70	18.02	18.29	13.43	6.89	10.64	8.33	14.27
>=10	11.91	19.47	14.47	12.43	9.05	3.84	5.86	4.33	10.10
>=20	5.95	12.21	11.60	6.61	5.59	.99	1.54	.87	5.84
>=30	3.39	10.80	10.52	6.91	3.24	.35	.71	.44	4.48
>=40	3.18	10.39	9.44	5.80	2.95	.19	.18	.21	3.96
>=60	2.68	10.00	8.23	4.99	2.54	.06	.08	.08	3.52
>=80	2.02	9.71	7.65	4.50	2.37		.06	.04	3.24
>=160	.62	8.02	6.73	3.82	1.05				2.48
>=320		1.43	1.23	.23					.36

TOT 5039 5038 4660 4692 5152 5135 5068 5195 40179

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT (X10-4 M-1)
WITH TIME OF DAY (GMT)

STATION 23 TAH	JUL								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=5	25.97	47.31	23.43	53.15	25.89	19.19	12.66	12.15	25.09
>=10	11.24	25.11	23.39	22.12	10.91	7.42	5.67	5.54	13.21
>=15	6.76	17.51	17.39	8.97	6.02	3.97	3.48	1.09	8.06
>=20	3.95	7.65	6.56	4.99	5.09	1.47	2.43	.80	4.27
>=25	1.22	.67	.60	.75	2.71	.54	.93	.29	.98
>=30	.58	.34	.32	.03	2.42	.43	.83	.02	.64
>=35	.11	.25	.24		2.33	.37	.83		.53
>=40		.20	.13		2.23	.32	.55		.45
>=45		.16	.12		2.16	.22	.37		.39
>=50					1.81		.07		.26
>=55					1.03				.21

TOT 4500 4470 4122 3991 4716 4633 4503 4656 35694

STATION 23 TAH	AUG								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=5	35.32	52.48	27.77	42.35	40.3	23.14	9.50	25.90	40.77
>=10	20.40	29.70	17.66	23.90	27.07	11.54	4.32	16.29	25.19
>=15	16.00	20.33	20.10	20.27	11.01	5.34	.93	9.84	15.49
>=20	5.87	15.16	11.00	18.15	5.41	2.49	.43	1.71	9.45
>=25	4.39	9.15	11.37	12.05	1.44	.10		.03	5.40
>=30	3.37	8.26	12.71	10.62	.97				4.62
>=35	2.67	8.14	11.70	10.47	.36				4.30
>=40	1.73	7.73	10.13	4.13	.14				3.83
>=45	1.17	7.40	10.16	3.49	.20				3.53
>=50		5.84	.40	6.60	.00				2.52
>=55		1.28	2.07	4.40					1.13

TOT 33 3207 3474 3344 3394 3910 3210 3680 26272

STATION 23 TAH	SEP								
	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=5	30.12	23.33	7.01	17.59	22.12	25.46	35.64	24.26	31.07
>=10	15.70	18.49	11.20	22.15	9.46	9.52	16.78	12.35	16.14
>=15	14.19	15.40	11.1	12.47	0.20	4.27	12.00	10.66	12.47
>=20	11.02	15.07	11.10	11.33	5.49	2.35	7.83	9.01	9.70
>=25	10.46	13.16	8	4.10	.63	.71	2.30	5.03	7.00
>=30	6.43	12.06	11.07	7.30		.12	.32	3.64	5.56
>=35	7.30	11.08	11.27	2.80		.04	.14	2.97	4.81
>=40	5.42	10.23	10.45	.23			.04	1.84	3.76
>=45	5.07	6.81	3.17	.07				1.39	3.26
>=50	4.46	5.49	3.65					.34	1.88

TOT 2917 2210 2110 2435 1110 2570 2783 2663 21404

CUMULATIVE PERCENTAGE FREQUENCY OF
EXTINCTION COEFFICIENT ($\times 10^{-4} \text{ M}^{-1}$)
WITH TIME OF DAY (CV)

STATION 28 TAM		CCT								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	19.22	15.57	18.39	15.72	23.15	22.10	24.94	17.39	21.64	21.64
>=5	4.89	3.43	10.82	21.58	25.30	14.09	13.73	14.25	13.57	13.57
>=7	1.60	1.41	7.63	12.99	25.07	6.59	9.55	9.32	10.29	10.29
>=10	.58	.79	5.61	19.68	22.73	4.04	5.48	5.71	8.18	8.18
>=20			2.53	15.44	15.35	1.82	.17	.22	4.99	4.99
>=30			2.52	15.36	12.15				4.21	4.21
>=40			2.40	14.77	11.35				3.94	3.94
>=60			2.10	13.56	10.03				3.56	3.56
>=80			1.97	12.98	9.60				3.40	3.40
>=100			1.41	9.45	7.77				2.56	2.56
>=320			1.35	5.96	4.29				1.61	1.61
TOT	2756	2760	3255	3406	2573	2747	2374	2295	22177	
STATION 28 TAM		NOV								TOT
		0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	
>=0	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
>=3	13.17	19.75	22.20	27.41	16.78	16.12	7.63	12.46	16.98	16.98
>=5	9.61	12.00	14.19	9.62	8.19	7.20	4.36	4.61	8.94	8.94
>=7	8.51	9.20	9.56	4.02	3.77	3.57	3.29	1.48	5.66	5.66
>=10	3.83	6.49	4.08	2.35	2.54	1.04	2.86	.63	3.05	3.05
>=20	1.55	2.47	.25	.54	.62	.03	1.95	.05	.97	.97
>=30	.15	1.89	.12	.18	.28	.03	.89	.05	.47	.47
>=40	.05	1.73		.13	.11	.03	.31	.05	.32	.32
>=60	.05	1.33		.10	.08	.03	.05		.22	.22
>=80	.03	1.03		.08	.06	.03			.16	.16
>=100		.12							.02	.02
>=320										
TOT	3995	4283	4215	3909	3551	3667	3918	3796	31339	

4. MONTHLY PERCENTAGE FREQUENCY OF WIND SPEED

This summary is a percentage frequency distribution of wind speeds (knots) in 12 classes from calm to equal to or greater than 56 knots. Data are presented for 13 stations of the AFGL Mesonet network. The stations were selected to represent a variety of topographical and geographical features within the network. Data were compiled from one-minute observations for the first 12 months of operation, September 1972 through August 1973. The total number of one-minute observations for each month and for the year are included.

PERCENTAL FREQUENCY OF
WIND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION PLM 3

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	1.89	16.48	33.92	28.97	8.72	7.05	2.96						14271
OCT	1.44	16.71	29.33	27.50	17.45	6.15	1.35	.07	.01				25664
NOV													0
DEC	2.32	19.43	17.63	14.68	17.26	14.55	10.05	2.03	.60	.26	.17	.02	8827
JAN	1.09	9.88	26.90	22.95	20.93	9.71	7.37	1.12	.06	.01			14154
FEB	.11	4.61	20.44	28.80	29.96	10.93	5.87	.18					24510
MAR	.54	14.25	25.06	23.05	23.13	6.06	4.46	.39	.02				28340
APR	.18	6.38	23.70	32.05	23.07	9.90	4.74	.46	.01				25075
MAY	.45	11.05	25.81	29.66	27.42	4.29	1.21	.07					26126
JUN	.29	6.34	20.85	40.03	26.53	5.53	.32	.02					39980
JUL	.20	12.98	42.82	35.10	8.25	.63							35776
AUG	3.69	20.39	40.00	30.43	5.43	.04							26019

TOT	.92	11.94	28.56	30.42	19.28	5.84	2.61	.32	.03	.01	.01	.00	268772
STATION NIP 7													

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	2.20	40.83	26.80	13.92	10.04	3.96	.37						2410
OCT	.69	24.31	40.37	24.97	9.31	.35	.00						26348
NOV	.90	14.97	33.23	35.38	9.89	3.57	1.68	.05	.01	.01			13057
DEC	5.73	24.07	28.59	22.06	15.88	7.20	.24	.00					30256
JAN	2.11	12.37	34.84	33.57	15.59	1.06	.06						26653
FEB	4.37	12.57	34.92	28.35	13.94	5.11	.64	.02	.00				20530
MAR	1.75	20.62	34.16	25.32	12.26	4.62	.45						27812
APR	.90	11.64	32.81	31.41	22.35	2.41	.17						20956
MAY	.93	15.73	35.90	32.15	12.45	.76	.07	.01					24070
JUN	1.18	22.07	35.74	28.84	5.02	.14							30545
JUL	.56	22.90	43.17	26.04	5.26	.09							35894
AUG	3.11	33.29	45.11	17.24	1.24	.01							25728

TOT	2.02	20.35	36.86	27.70	11.14	1.69	.22	.00	.00	.00			250249
STATION BS- 8													

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	.78	16.17	42.49	30.33	9.42	.80	.02						15465
OCT	.38	15.27	35.15	38.40	10.30	.46	.02						21897
NOV	1.21	17.18	37.37	32.09	6.90	1.67	1.01	.34	.03	.00			22672
DEC	3.87	15.66	32.02	32.20	13.73	2.19	.23	.00					23922
JAN	1.53	7.04	25.67	40.04	22.54	2.82	.26	.06	.01				12511
FEB	.43	3.62	24.21	45.80	15.71	.08	.07	.01					16293
MAR	.32	20.01	27.70	31.03	15.74	4.00	.64	.01	.00				27870
APR	1.28	11.61	24.50	39.25	12.58	2.67	.31						25425
MAY	.10	18.84	41.66	33.65	7.15	.54	.25						26490
JUN	1.23	20.95	42.73	29.70	5.27	.11	.00						40609
JUL	.59	24.69	45.05	28.40	1.28	.00							25448
AUG	.97	25.71	45.60	25.60	.71	.01							26519

TOT	1.10	17.77	36.28	33.19	10.11	1.29	.22	.05	.00	.00			285121
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PERCENTAGE FREQUENCY
WIND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION SAG 9

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	.73	27.06	50.32	14.50	6.90	.49	.01						15378
OCT	1.38	26.04	45.73	22.41	4.34	.09							25787
NOV	2.52	23.80	34.57	26.83	10.15	1.81	.24						15929
DEC	2.71	27.22	37.58	23.99	7.94	.52	.05						26340
JAN	2.42	19.55	37.48	25.04	13.65	1.73	.12						28432
FEB	1.69	24.68	39.56	23.62	8.42	1.66	.17						23700
MAR	2.99	26.18	34.94	22.06	9.76	3.46	.61	.01					26305
APR	3.85	21.34	34.08	29.04	11.02	.64	.03						25751
MAY	.51	25.17	43.20	28.35	4.62	.15							26405
JUN	3.10	29.78	44.40	19.82	2.87	.02							40420
JUL	.42	29.65	54.45	14.51	.96	.01							37509
AUG	2.25	45.14	45.54	6.65	.12								26498

TOT	2.06	27.39	42.30	21.04	6.30	.81	.09	.00					324543
STATION TWA 10													

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP													0
OCT	15.66	53.86	23.97	6.30	.19								4744
NOV	7.30	39.37	32.82	14.87	4.27	1.05	.30	.02					31486
DEC	6.20	42.51	31.73	14.15	4.81	.53	.01						33788
JAN	5.32	34.18	28.28	23.50	8.31	.39	.02						28278
FEB	1.52	32.29	36.68	21.84	7.10	.55	.01						31642
MAR	5.46	41.94	25.85	17.92	8.16	.67	.00						30003
APR	2.30	25.91	33.46	24.66	11.02	1.55	.10						20738
MAY	6.77	37.98	35.80	15.43	3.00	.12	.00						29982
JUN	5.29	47.34	33.00	12.74	1.30	.02	.20						40382
JUL	10.24	46.85	33.37	8.60	.93	.01	.00						37507
AUG	13.74	56.05	25.37	4.65	.20								26519

TOT	6.63	41.36	31.62	13.33	4.57	.45	.04	.00					311069
STATION HAC 13													

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	15.10	34.95	28.12	16.14	7.62	.07	.01						15706
OCT	6.67	35.40	25.73	22.35	7.23	.53	.63						24964
NOV	6.86	22.82	40.27	19.87	6.75	2.59	.79	.05					12226
DEC	7.05	37.59	30.62	15.56	7.53	1.43	.20	.01					30343
JAN	4.06	30.87	25.43	20.33	13.79	3.60	.80	.12	.00				20546
FEB	2.31	22.10	29.04	25.34	19.15	1.99	.07						26041
MAR	5.96	35.37	23.30	21.21	12.05	1.93	.18						29459
APR	2.96	23.55	29.63	23.85	12.31	2.40	.21						26101
MAY	6.01	30.59	32.74	13.15	6.96	.49	.03						26532
JUN	6.28		33.51	15.94	3.16	.04							40416
JUL	8.43	.1	34.38	11.42	1.59	.02							39376
AUG	12.51	.4	29.77	7.06	.51	.01							26269

TOT	6.99	35.37	30.27	16.48	7.63	1.10	.15	.01	.00				317979
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PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION CHS 15

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	19.57	52.83	21.38	5.84	.38	.01							15638
OCT	19.94	54.02	19.73	5.57	.73	.01							26339
NOV	13.78	50.51	23.37	9.08	2.91	.34	.01	.00					27756
DEC	11.87	58.59	20.11	7.84	1.54	.05							35183
JAN	5.64	43.59	30.66	16.11	3.85	.13	.03						26076
FEB	4.49	46.65	32.65	14.31	1.88	.03							30701
MAR	8.54	45.57	31.17	12.67	2.02	.03							28199
APR	6.97	35.89	34.88	18.11	4.02	.13	.01						26903
MAY	10.48	44.72	32.10	11.72	.97	.01							26532
JUN	10.93	58.94	25.77	4.27	.09								40566
JUL	13.35	63.26	20.83	2.44	.12								39490
AUG	17.05	66.32	15.59	1.00	.03								26198

TOT	11.56	52.48	25.62	8.80	1.48	.06	.00	.00					349581
STATION RKO 20													

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	25.12	58.88	11.27	4.08	.64								15614
OCT	21.63	69.04	8.44	.82	.08								22343
NOV	21.17	59.60	15.16	3.54	.53								28384
DEC	13.28	42.87	33.11	8.98	1.72	.03							29044
JAN	5.13	40.89	31.66	16.41	5.11	.71	.08						24384
FEB	2.15	25.01	28.22	28.91	12.51	2.51	.62	.05	.01				24823
MAR	5.03	38.89	29.18	16.19	9.05	1.40	.22	.03	.00				29186
APR	2.25	31.84	35.13	23.33	6.04	.34	.05	.00					26786
MAY	7.05	40.00	39.06	12.26	1.50	.02							26521
JUN	5.37	50.74	30.21	12.13	1.54	.01							40264
JUL	7.87	50.44	33.08	8.09	.52	.00							39141
AUG	10.58	56.84	26.38	5.81	.39	.00							26171

TOT	9.73	46.81	27.91	11.85	3.22	.40	.08	.01	.00				332661
STATION NRY 21													

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	17.07	40.76	29.54	11.66	.98								2959
OCT													0
NOV	12.16	25.53	27.64	25.16	9.00	.41	.07	.03					2945
DEC	26.27	35.31	18.73	10.98	7.49	1.01	.18	.02					13649
JAN	8.14	22.75	25.19	21.72	16.10	4.82	1.25	.05					25134
FEB	4.63	21.06	28.12	26.09	17.30	2.50	.29	.01					30415
MAR	11.86	33.02	27.14	19.99	7.32	.65	.03						22992
APR	10.24	16.76	21.49	26.50	19.74	3.76	1.40	.09					7761
MAY	7.88	24.58	28.00	21.43	15.83	2.03	.25	.00					21859
JUN	10.38	32.11	31.14	20.30	5.92	.14	.00						38215
JUL	15.93	36.45	30.83	14.09	2.65	.04	.01	.00					30102
AUG	15.98	44.08	28.24	10.40	1.30	.00							23212

TOT	11.69	30.40	27.77	19.03	9.42	1.40	.28	.01					219243
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PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION WRY 22

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	9.24	35.76	25.91	20.52	8.31	.26							12225
OCT	12.27	35.51	27.63	19.09	5.29	.21	.01						25233
NOV	6.92	32.12	36.58	14.49	7.66	1.82	.39	.01					25387
DEC	10.73	30.93	31.92	19.10	5.75	.53	.03						28982
JAN	5.52	29.66	24.87	23.40	9.53	1.65	.27	.02					28601
FEB	2.26	25.11	32.10	24.54	13.58	1.27	.14						30625
MAR	7.66	31.56	29.51	21.66	9.33	1.23	.05						29662
APR	6.65	22.27	26.45	28.97	12.30	1.00	.06						26915
MAY	13.21	31.45	28.99	21.96	4.40								4595
JUN													0
JUL													0
AUG													0

TOT 7.55 29.83 30.54 21.67 9.15 1.07 .12 .00 212210

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP	16.63	39.50	29.80	12.46	1.36	.20	.02						12226
OCT	16.37	33.43	27.09	15.25	5.63	1.11	.11	.00					26622
NOV	13.02	37.79	28.00	13.92	6.03	.95	.25	.01					30761
DEC	15.59	46.87	19.81	8.73	5.51	2.64	.79	.05					36819
JAN	6.25	31.24	23.87	17.30	15.47	4.25	.60	.01	.00				28931
FEB	1.42	25.82	30.13	26.03	12.93	.71	.01						31729
MAR	7.20	37.47	25.93	15.94	11.46	.97	.02						29582
APR	4.82	25.97	26.26	23.81	12.08	4.12	1.85	.09					26915
MAY	6.49	38.27	39.78	17.19	6.75	.49	.04						22990
JUN	6.34	46.23	32.27	11.79	2.32	.05	.01						37143
JUL	9.41	45.84	30.66	8.41	1.63	.03							38870
AUG	9.98	53.54	27.93	7.14	1.18	.02							24973

TOT 9.16 39.58 27.72 14.61 7.09 1.32 .31 .02 .00 347861

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP													0
OCT													0
NOV													0
DEC													0
JAN													0
FEB	.26	29.67	60.20	3.14	.73								1510
MAR	4.43	17.54	33.08	21.62	11.82	1.46	.06						28692
APR	2.40	21.32	30.48	26.99	14.63	4.35	.70	.02	.01				17641
MAY	4.21	23.36	36.05	25.23	9.39	.73	.03						23987
JUN	2.36	31.95	38.08	20.43	5.96	.22	.01						39588
JUL	3.19	53.31	43.02	15.84	2.94	.05							25658
AUG	2.64	42.04	41.51	12.23	1.37	.01							25351

TOT 3.19 39.50 37.60 20.25 7.44 .50 .10 .00 .00 162427

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWH 28

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOT
SEP													0
OCT													0
NOV													0
DEC													0
JAN	.32	6.09	10.90	39.03	29.12	5.57	.69	.18	.06	.04			7810
FEB	.77	11.25	26.48	31.15	25.60	5.14	.63	.07	.00				26711
MAR	.83	17.03	30.63	29.84	17.01	3.99	.55	.00					30715
APR	.28	10.42	24.32	33.72	23.06	5.91	2.11	.16	.00				26892
MAY	.81	13.36	30.94	35.70	16.43	2.43	.27	.02					26148
JUN	.94	15.36	37.31	32.74	12.90	.72	.03	.00					28913
JUL	2.23	14.54	43.27	33.12	6.51	.34							35575
AUG	1.87	23.50	42.74	28.02	3.62	.15							25857
TOT	1.10	14.83	33.65	32.34	14.90	2.61	.50	.04	.00	.00			218621

5. DIURNAL PERCENTAGE FREQUENCY OF WIND SPEED

The section contains the percentage frequency distribution of wind speed in the same classes and for the same stations referred to in Section 4. This summary contains the frequencies over three-hour intervals for each month of the twelve-month study. The total number of one-minute observations occurring in each three-hour period is shown together with the total number of observations for the month.

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION PLM 3 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	6.83	.81	4.21			.37	.05	2.13	1.89
1-3	20.34	29.76	22.36	27.82	10.92	4.49	2.83	11.22	16.48
4-6	33.10	36.67	49.14	41.23	31.60	24.27	15.99	39.70	33.92
7-10	25.42	20.03	17.16	21.73	42.37	40.26	43.37	24.51	28.97
11-16	5.48	2.94	.93	.65	4.58	19.58	23.32	11.40	8.72
17-21	4.34	5.41	4.98	6.33	4.96	9.97	12.46	7.38	7.05
22-27	4.49	4.38	1.22	2.19	5.57	1.06	1.98	3.66	2.96
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2005 1737 1807 2006 1510 1895 1870 1640 14271

STATION PLM 3 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.66	1.84	1.53	1.36	2.30	1.31	2.17	.42	1.44
1-3	17.54	19.61	19.30	22.20	20.10	12.42	7.36	11.98	16.71
4-6	36.48	30.03	35.61	29.67	20.35	25.18	22.93	31.50	29.33
7-10	33.98	32.00	23.39	22.01	19.62	26.62	32.75	31.71	27.50
11-16	11.08	16.26	19.27	23.13	20.69	17.61	14.13	16.13	17.45
17-21	.27	.26	.85	1.60	12.47	12.96	17.10	7.23	6.15
22-27			.05	.03	3.27	3.82	3.41	1.04	1.35
28-33					.32	.10	.14		.07
34-40					.06				.01
41-47									
48-55									
>=56									

TOT 3358 3100 3668 3680 3068 3141 2760 2889 25684

STATION PLM 3 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 0 0 0 0 0 0 0 0 0

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION PLM 3 DEC

	0000-0300	0300-0500	0500-0800	0800-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.15	2.68	2.70	1.51	1.61	2.78	3.39	2.67	2.32
1-3	10.51	22.73	18.75	27.51	29.15	14.01	13.04	8.75	19.43
4-6	16.46	26.75	23.87	18.49	18.66	10.17	6.89	17.31	17.63
7-10	16.89	11.09	14.66	15.11	8.70	19.00	14.00	18.51	14.68
11-16	18.96	14.56	9.87	15.97	18.76	19.19	25.66	16.57	17.26
17-21	17.47	17.36	11.94	11.23	10.95	14.59	16.76	17.86	14.55
22-27	14.24	4.70	8.68	7.85	9.66	8.54	11.77	14.27	10.05
28-33	1.32	.11	2.92	2.05	2.50	5.37	7.10	3.50	3.03
34-40			.38	.29		2.59	1.27	.55	.80
41-47						2.11	.11		.26
48-55						1.44			.17
>=56						.19			.02

TOT 1208 893 1060 1363 1242 1042 943 1086 8837

STATION PLM 3 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.12	1.15	1.21	1.21	1.10	.84	1.25	.76	1.09
1-3	14.25	2.31	6.61	7.32	14.14	3.90	5.87	13.60	9.88
4-6	30.27	24.91	30.56	35.04	30.04	6.88	23.90	22.48	26.90
7-10	18.40	15.70	23.86	20.78	21.80	31.69	21.70	30.75	22.95
11-16	24.55	25.28	17.65	18.97	7.25	27.60	23.58	24.20	20.93
17-21	3.62	13.01	12.46	6.90	12.00	24.26	8.60	2.89	9.71
22-27	4.98	6.30	7.35	4.23	10.25	4.74	12.68	3.96	7.37
28-33	2.61	1.06	.34	.56	.55	.09	2.41	1.37	1.12
34-40	.19	.19					.10		.06
41-47							.10		.01
48-55									
>=56									

TOT 2147 2160 2019 2146 1621 1076 954 1971 14154

STATION PLM 3 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM			.02			.13	.59	.15	.11
1-3	2.89	4.34	5.89	3.12	2.20	2.11	6.37	8.11	4.61
4-6	24.77	27.00	22.05	18.56	20.03	19.77	11.29	19.10	20.44
7-10	33.74	29.52	32.83	38.20	27.15	21.71	20.37	23.95	28.80
11-16	23.55	23.06	23.74	24.59	29.71	31.57	42.82	35.06	29.06
17-21	9.95	9.16	9.39	9.68	13.82	16.51	12.38	9.29	10.93
22-27	4.98	6.85	4.67	5.85	6.57	7.84	5.84	5.17	5.87
28-33	.12	.05			.51	.35	.33	.18	.18
34-40									
41-47									
48-55									
>=56									

TOT 3456 3170 3214 3233 3126 2271 3029 3403 24510

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION PLM 3 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.21	1.11	.95	.97	.72	.23	.03	.03	.54
1-3	20.36	17.62	11.27	20.50	22.03	11.82	8.67	6.33	14.89
4-6	30.52	32.91	27.96	30.56	18.60	19.16	19.93	23.65	25.66
7-10	20.84	19.62	23.38	20.22	20.20	30.14	25.68	29.83	23.65
11-16	21.67	18.62	24.02	13.83	23.59	23.73	31.12	29.01	23.13
17-21	3.73	5.03	5.27	7.39	6.87	4.86	6.62	6.77	6.06
22-27	2.67	5.03	6.36	5.75	2.92	5.18	5.47	4.18	4.66
28-33		.08	.75	.78	2.95	4.73	2.49	.21	1.39
34-40			.03		.03	.16			.02
41-47									
48-55									
>=56									

TOT 3752 3701 3584 3600 3495 3089 3217 3902 28340

STATION PLM 3 APR

	0000-0200	0300-0500	0600-0900	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.44	.03		.20	.73			.03	.18
1-3	10.08	11.51	5.92	6.86	7.74	1.55	1.26	5.70	6.38
4-6	30.54	31.07	36.31	24.05	23.81	18.59	10.28	14.73	23.70
7-10	27.45	24.27	25.86	42.96	29.06	38.53	36.79	31.14	32.05
11-16	22.94	26.42	22.32	20.88	16.79	16.91	28.22	29.22	23.07
17-21	3.77	5.83	7.12	4.54	16.93	16.81	11.83	13.24	9.90
22-27	4.27	.81	1.41	.46	4.73	7.36	9.27	5.58	1.24
28-33	.50	.06	.07		.21	.26	2.24	.37	.46
34-40							.10		.01
41-47									
48-55									
>=56									

TOT 3392 3206 3060 3060 2894 3099 3085 3279 25075

STATION PLM 3 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.51	.62	1.82	.56	.12				.45
1-3	12.77	18.85	25.56	20.93	8.10	.50	.18	2.95	11.09
4-6	32.66	35.55	29.54	28.57	21.50	17.37	13.74	28.09	25.81
7-10	37.12	23.27	23.70	25.97	23.10	34.55	33.39	35.96	29.66
11-16	15.90	19.53	13.83	19.80	38.09	39.18	44.00	27.83	27.42
17-21	1.05	1.34	1.64	1.07	7.33	6.65	8.09	3.44	4.29
22-27		.84	3.83	.09	1.14	1.75	.60	1.42	1.21
28-33			.09		.12			.32	.07
34-40									
41-47									
48-55									
>=56									

TOT 3157 3210 3240 3192 3321 3201 3348 3457 26126

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION PLM 3 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.46	1.05	.53	.15		.02	.02	.06	.29
1-3	4.83	16.13	12.63	8.23	2.95	1.17	1.89	3.39	6.34
4-6	30.38	19.23	28.37	28.51	20.19	15.52	12.94	12.54	20.85
7-10	46.29	39.31	36.17	42.89	47.18	34.26	28.77	45.43	40.03
11-16	16.79	21.21	13.29	17.33	20.77	36.49	44.99	35.60	26.53
17-21	1.25	3.02	3.97	3.17	7.55	11.52	10.50	2.81	5.53
22-27		.04	.02	.02	1.36	1.01	.85	.04	.43
28-32							.04	.12	.02
34-40									
41-47									
48-55									
>=56									

TOT 5027 5039 4660 4693 5151 5128 5068 5014 39980

STATION PLM 3 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.78	.22	.02	.30	.09	.04	.11	.08	.20
1-3	21.92	15.38	12.11	12.40	9.86	7.66	5.50	18.78	12.98
4-6	51.47	49.51	52.26	45.99	40.92	35.47	32.57	36.41	42.82
7-10	24.90	33.86	32.19	39.36	39.66	40.61	37.81	32.31	35.10
11-16	.90	1.03	3.42	1.95	9.29	15.19	20.23	12.17	8.25
17-21						1.02	3.63	.25	.63
22-27							.15		.02
28-32									
34-40									
41-47									
48-55									
>=56									

TOT 4496 4474 4122 3991 4717 4516 4602 4856 35776

STATION PLM 3 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.14	1.29	4.04	11.30	4.48	1.15	4.14	1.69	3.69
1-3	21.05	22.39	27.72	36.18	27.74	7.59	3.09	13.62	20.39
4-6	53.67	49.25	39.80	25.51	34.72	40.29	24.51	50.99	40.00
7-10	21.54	26.98	23.77	21.89	24.18	37.24	55.15	31.80	30.45
11-16	2.60	.09	.67	5.05	8.36	13.69	12.89	1.90	5.43
17-21				.05	.03	.03	.21		.04
22-27									
28-32									
34-40									
41-47									
48-55									
>=56									

TOT 3078 3328 3420 3344 3396 2951 2823 3679 26019

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION NIP 7 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALW	1.00	13.40	6.08	1.11					2.20
1-3	60.67	50.77	61.62	51.94	28.31	.78	21.55	64.19	40.83
4-6	37.79	22.01	32.09	22.50	16.18	30.55	45.58	14.41	28.80
7-10	.03	3.83		22.22	38.97	23.24	6.31	11.35	13.90
11-16				2.22	16.54	28.20	16.02	10.04	10.04
17-21						16.97	7.73		3.86
22-2						.26	2.21		.37
25-33									
34-40									
41-47									
48-55									
>=56									

TOT 299 209 296 350 272 383 362 229 2410

STATION NIP 7 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALW		.66	.65	1.32	.66	.39	2.35	.07	.69
1-3	21.74	20.13	27.98	34.32	34.58	18.11	16.04	17.76	24.31
4-6	50.92	49.13	45.93	37.04	25.52	33.27	34.60	46.45	40.37
7-10	20.70	25.03	21.67	22.91	21.43	31.97	31.08	26.55	24.97
11-16	6.49	5.61	3.77	4.38	16.87	15.74	14.84	8.97	9.31
17-21	.15	.03		.03	.94	.52	1.06	.21	.35
22-24							.03		.00
28-30									
34-40									
41-47									
48-55									
>=56									

TOT 335 310 3714 3658 3201 3297 2931 2889 26348

STATION NIP 7 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALW	.40	4.02	1.73	.70			.05		.90
1-3	16.46	5.15	17.52	18.09	20.11	1.88	13.88	23.66	14.07
4-6	31.32	29.10	48.55	33.34	33.31	37.56	29.34	20.14	33.23
7-10	22.86	39.92	25.69	37.32	43.26	50.17	24.84	37.37	35.88
11-16	5.19	10.05	2.76	5.54	3.04	7.91	25.48	13.90	9.19
17-21	0.24	5.26	3.79		.14	1.74	6.09	4.26	3.57
22-24	4.76	5.38	1.61			.60	.32	.68	1.68
25-33	.13	.12	.06		.07	.07			.05
34-40					.07				.01
41-47						.07			.01
48-55									
>=56									

TOT 155 169 1796 1570 1447 1491 1668 1619 13057

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION NIP 7 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.64	8.01	3.90	5.62	3.62	4.78	2.88	5.41	5.73
1-3	19.88	32.00	31.60	27.74	27.54	17.26	16.01	23.58	24.37
4-6	32.10	23.78	32.03	30.17	28.12	29.53	29.26	23.78	28.59
7-10	26.17	17.90	13.37	20.13	21.65	25.62	29.38	27.76	22.98
11-16	13.38	16.61	12.50	15.31	17.75	17.85	17.72	16.28	15.88
17-21	2.68	1.67	.60	.98	1.32	3.53	4.01	2.69	2.20
22-27	.14	.03		.05		.43	.71	.50	.24
28-33							.03		.00
34-40									
41-47									
48-55									
>=56									

TOT 4149 3P22 3665 3775 3482 3512 3917 3074 30296

STATION NIP 7 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.70	1.27	.97	1.97	2.78	2.67	2.21	3.28	2.11
1-3	11.74	11.00	6.95	10.67	16.98	9.29	12.52	22.39	12.37
4-6	33.70	25.16	43.59	48.67	31.52	21.60	18.58	25.68	34.84
7-10	38.90	33.70	33.60	29.66	29.44	32.58	33.02	33.16	33.67
11-16	11.72	15.11	14.36	7.72	17.36	31.61	30.40	13.71	15.59
17-21	1.29	.77	.53	1.29	1.84	2.15	2.85	1.67	1.35
22-27	.05			.02	.07	.10	.35	.09	.06
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4036 4409 4321 4171 2874 1949 1717 3166 26653

STATION NIP 7 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.72	4.39	7.25	7.53	5.39	4.44	2.29	2.74	4.37
1-3	17.38	10.87	12.53	14.52	12.47	16.54	2.50	14.47	12.57
4-6	42.85	40.16	33.52	31.82	32.73	25.17	28.13	39.23	34.92
7-10	22.63	23.80	25.88	27.02	31.32	29.46	41.66	25.64	28.35
11-16	6.10	15.26	16.72	13.95	12.60	17.36	20.02	11.64	13.94
17-21	5.08	4.65	4.06	5.11	5.08	6.17	5.18	5.95	5.17
22-27	2.13	.80	.04	.04	.41	.87	.21	.35	.64
28-33	.10	.04							.02
34-40		.04							.00
41-47									
48-55									
>=56									

TOT 3049 2622 2291 2272 2206 2074 2837 3179 20530

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (CYC)

STATION NIP 7 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.58	4.61	1.59	2.47	2.10	.47	.03	.10	1.75
1-3	29.78	22.21	15.51	27.71	25.61	15.42	11.64	15.84	20.52
4-6	32.73	38.50	38.84	38.57	29.38	26.05	29.73	38.27	34.18
7-10	22.48	21.44	28.81	16.33	25.24	33.48	32.65	30.51	26.32
11-16	11.40	9.99	8.35	8.30	11.33	16.65	19.92	12.60	12.26
17-21	1.02	3.06	6.40	5.97	5.66	7.24	5.17	2.55	4.52
22-27		.20	.50	.65	.67	.69	.86	.13	.45
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3727 3535 3391 3399 3264 3178 3384 3914 27812

STATION NIP 7 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.09	1.09	.56	.53	.03	.06		2.67	.90
1-3	16.71	15.73	16.61	14.85	12.35	7.70	2.78	7.49	11.94
4-6	37.49	33.34	31.20	40.35	34.25	34.17	26.17	24.71	32.81
7-10	27.52	29.98	28.04	25.96	28.99	34.63	35.82	41.09	31.41
11-16	14.15	18.12	21.40	17.63	21.14	19.83	29.99	21.77	20.36
17-21	1.95	1.57	2.19	.64	2.92	3.36	4.67	2.25	2.41
22-27	.08	.17		.03	.29	.24	.57	.03	.17
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3590 3565 3420 3420 3118 3272 3171 3339 26896

STATION NIP 7 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.61	1.29	1.56	1.86	.92	.07		.28	.93
1-3	22.14	21.93	29.34	17.30	12.55	4.80	5.07	21.72	16.73
4-6	41.99	43.45	38.47	43.49	30.54	31.05	28.89	30.86	35.90
7-10	29.69	25.79	21.53	31.25	37.29	41.33	42.41	34.32	33.15
11-16	4.53	7.47	7.43	5.75	17.90	21.16	21.92	12.00	12.46
17-21	.03	.07	1.56	.14	.70	1.57	1.24	.69	.76
22-27			.10			.03	.42	.03	.07
28-33							.07		.01
34-40									
41-47									
48-55									
>=56									

TOT 2977 2877 2860 2851 3156 3363 2075 3191 24070

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(CMT)

STATION NIP 7 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.03	2.99	2.47	.52	.52	.36	.28	1.39	1.18
1-3	39.42	23.89	24.67	23.13	18.48	12.93	10.86	24.42	22.07
4-6	37.06	46.14	51.81	48.18	37.92	28.59	29.46	41.02	39.74
7-10	21.35	25.71	20.14	21.21	32.16	41.52	39.13	27.29	28.84
11-16	1.14	1.27	.89	6.73	10.91	16.17	19.69	5.78	8.02
17-21			.03	.23		.41	.38	.10	.14
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3760 3780 3600 3493 4059 3945 3941 3947 30545

STATION NIP 7 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.96	.51	.27	.18	.34	.47	.20	.66	.58
1-3	29.51	24.46	14.80	18.52	25.59	19.56	16.51	22.45	22.90
4-6	38.67	39.44	60.65	56.13	43.17	39.02	38.47	33.35	43.12
7-10	27.51	32.46	22.95	23.95	27.35	30.56	30.81	27.80	28.04
11-16	2.33	3.13	1.33	1.23	3.54	10.08	13.62	5.72	5.26
17-21						.30	.39		.09
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4500 4473 4122 3991 4716 4633 4603 4856 35894

STATION NIP 7 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	3.36	4.19	5.03	6.22	2.41	.23	.27	1.14	3.11
1-3	25.01	28.69	31.05	40.91	40.11	29.16	23.31	35.60	13.29
4-6	44.77	47.13	50.31	35.39	38.49	46.26	44.96	52.91	45.11
7-10	15.46	19.77	13.43	15.17	17.40	20.66	27.67	10.22	17.24
11-16	.46	.22	.19	.31	1.59	3.69	3.76	.14	1.24
17-21	.03						.03		.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3033 3151 3240 3224 3396 3011 3003 3680 25738

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION BSH 8 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	4.24	.47	.19			.05	.05	.63	.78
1-3	13.19	16.18	14.58	19.44	18.36	14.38	13.57	17.10	16.17
4-6	32.97	32.63	41.00	49.21	52.67	46.42	42.47	45.91	42.49
7-10	33.51	40.75	39.57	25.87	20.85	25.50	30.29	22.78	30.33
11-16	12.27	8.20	4.51	5.43	7.89	12.09	12.82	12.33	9.42
17-21	.84	1.73	.14	.05	.12	1.51	.75	1.25	.80
22-27					.07	.05	.05		.02
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2217 1903 2105 2090 1458 2051 1872 1760 15465

STATION BSH 8 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM			1.85	.12	.47	.32	.04		.38
1-3	5.76	17.28	14.92	15.58	23.41	17.72	11.96	14.33	15.27
4-6	49.43	42.84	34.30	38.93	24.66	21.05	29.73	43.61	35.15
7-10	40.86	33.28	44.07	46.78	33.73	41.27	34.26	29.99	38.43
11-16	3.90	2.50	4.85	4.56	16.61	18.00	22.94	11.65	10.30
17-21	.04			.63	.92	.51	1.07	.22	.45
22-27					.04	.14			.02
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2638 2599 3025 3401 2790 2845 2341 2254 21897

STATION BSH 8 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.17	.29	1.19	.36	3.05	1.25	1.12	2.43	1.21
1-3	12.24	12.91	15.25	15.47	14.27	22.00	22.33	22.70	17.18
4-6	36.87	29.61	42.22	36.54	43.72	34.59	25.79	36.88	37.37
7-10	36.46	24.67	33.26	42.38	31.61	28.24	25.52	23.64	32.05
11-16	8.24	6.79	4.40	4.25	5.06	11.99	18.98	12.31	8.90
17-21	2.77	1.47	1.64		1.78	1.77	3.89	1.84	1.87
22-27	2.63	2.43	1.70		.29	.12	.38	.21	1.04
28-33	.55	1.69	.29						.34
34-40	.07	.10	.03						.03
41-47						.04			.00
48-55									
>=56									

TOT 2924 3138 3112 2775 2754 3486 2598 2885 22672

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION BSH 8 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	3.04	1.87	3.26	4.67	6.41	6.32	3.71	3.57	3.87
1-3	12.68	15.14	19.97	23.50	19.29	18.32	10.15	9.20	15.66
4-6	29.72	35.40	42.60	34.37	27.53	25.97	26.02	31.04	32.02
7-10	40.08	34.28	24.70	24.05	30.29	26.39	35.64	38.33	32.28
11-16	12.79	11.85	8.79	11.65	14.88	18.78	18.94	14.66	13.73
17-21	1.49	1.42	.67	1.57	1.60	3.94	4.94	2.61	2.19
22-27	.17	.03		.20		.27	.60	.58	.11
28-33	.03								.00
34-40									
41-47									
48-55									
>=56									

TOT 3550 3579 3129 2936 2245 2183 2856 3444 23922

STATION BSH 8 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.13	1.73	1.77	2.14	2.05	1.50	1.29	.54	1.53
1-3	1.36	6.36	7.07	4.97	10.59	8.21	15.39	7.82	7.04
4-6	20.86	17.07	23.94	26.28	20.32	16.82	32.43	45.74	25.67
7-10	53.51	47.96	47.24	42.09	33.02	27.83	20.92	31.55	40.08
11-16	20.18	24.32	19.28	21.96	27.27	39.24	26.32	12.35	22.54
17-21	1.64	2.40	.70	2.46	6.29	6.21	3.64	1.83	2.82
22-27	.91	.11		.11	.46	.20		.16	.26
28-33	.34	.06							.06
34-40	.06								.01
41-47									
48-55									
>=56									

TOT 1764 1793 1867 1872 1511 999 851 1854 12511

STATION BSH 8 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM					1.73	2.46	.32		.40
1-3	12.27	6.50	5.76	4.67	9.60	10.94	10.61	11.92	8.82
4-6	25.65	26.69	29.17	24.49	12.52	7.22	25.21	32.26	24.21
7-10	39.73	46.96	49.79	55.59	54.14	49.09	42.89	38.10	46.80
11-16	18.98	18.31	15.23	15.12	21.71	29.58	19.84	17.07	18.71
17-21	3.06	1.41	.04	.13	.30	.63	1.14	.64	.98
22-27	.27	.13				.08			.07
28-33	.04								.01
34-40									
41-47									
48-55									
>=56									

TOT 2550 2338 2396 2315 1677 1261 1583 2173 16293

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION BSH 6 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.18	1.37	.32	.29	.38	.42	.15	1.39	.82
1-3	18.03	20.75	19.39	18.65	23.83	28.20	17.27	15.57	20.01
4-6	19.66	19.66	29.07	25.30	27.68	23.31	31.49	34.54	27.70
7-10	37.63	41.09	30.40	34.09	30.83	23.69	21.81	26.69	31.06
11-16	15.53	14.37	15.40	13.95	10.76	15.14	20.74	20.27	15.74
17-21	.93	2.57	4.87	3.43	5.47	7.00	7.13	1.48	4.00
22-27	.03	.19	.56	.29	.84	2.22	1.35	.05	.64
28-33					.03	.03	.03		.01
34-40							.03		.00
41-47									
48-55									
>=56									

TOT 3433 3653 3760 3764 3458 2887 3252 3660 27870

STATION BSH 8 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.37	2.26	1.28	.54	.77	3.01	.79	1.31	1.28
1-3	10.66	7.84	13.13	10.84	11.57	11.70	14.30	13.52	11.61
4-6	24.01	14.49	13.22	25.80	30.77	29.47	30.64	31.92	24.50
7-10	43.70	54.27	54.43	46.53	29.40	28.29	25.14	31.01	39.96
11-16	20.26	20.31	16.96	14.24	22.78	21.33	21.08	21.41	19.68
17-21	.96	.78	.90	1.76	4.50	5.17	6.86	1.66	2.77
22-27	.03	.06	.06	.30	.21	.13	1.15		
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3540 3457 3351 3357 2944 2888 2784 3195 25425

STATION BSH 8 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.09	.12	.12	.09	.33	.03	.03		.10
1-3	18.22	17.23	17.65	20.33	16.42	9.96	14.74	20.06	16.84
4-6	54.24	42.53	42.44	41.92	31.57	37.99	38.76	43.68	41.66
7-10	26.31	36.44	36.08	35.24	40.95	37.96	30.29	26.67	33.65
11-16	1.14	3.62	3.49	2.41	10.61	13.36	13.64	8.62	7.16
17-21		.06	.22		.12	.67	2.36	.79	.54
22-27						.03	.18	.17	.05
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3337 3233 3240 3192 3326 3272 3351 3539 26490

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION BSH 8 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.15	1.15	1.51	1.02	.66	.42	1.44	3.46	1.23
1-3	18.48	13.89	18.19	25.06	28.42	23.58	17.71	22.51	20.95
4-6	53.08	43.55	38.71	37.48	42.85	35.28	41.97	48.01	42.73
7-10	25.80	38.11	35.91	31.11	20.79	33.29	30.87	22.11	29.70
11-16	2.49	3.16	5.51	5.16	7.10	7.26	7.95	3.73	5.27
17-21		.13	.06	.17	.18	.15	.06	.13	.11
22-27								.04	.00
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 5217 5219 4898 4693 5141 5178 5008 5255 40609

STATION BSH 8 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.12	.16	.15	.35	.66	1.31	.72	1.02	.59
1-3	21.60	23.02	14.51	19.43	36.19	28.33	28.22	23.34	24.69
4-6	41.98	34.97	51.60	51.21	44.24	44.90	41.19	51.39	45.05
7-10	35.90	41.27	33.73	28.97	18.36	23.51	25.04	22.84	28.40
11-16	.40	.58		.04	.54	1.92	4.83	1.40	1.28
17-21						.03			.00
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3240 3097 2742 2851 3327 3441 3331 3419 25448

STATION BSH 8 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.13	3.66	.79	.21	1.73	.62	.41	.19	.97
1-3	22.61	20.35	19.85	19.44	36.67	32.22	28.50	33.55	26.71
4-6	53.36	42.12	37.22	43.09	39.58	45.27	44.49	59.12	45.60
7-10	23.22	33.74	41.52	37.14	21.38	19.95	24.98	6.95	25.99
11-16	.68	.12	.61	.12	.65	1.92	1.60	.19	.71
17-21						.03	.03		.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3083 3331 3420 3344 3401 3073 3183 3684 26519

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION SAG 9 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.28	1.86	.15	.46	.75	1.13	1.03	.23	.73
1-3	24.23	24.13	26.08	38.61	34.94	22.31	19.28	27.90	27.06
4-6	54.78	54.16	65.14	49.45	43.51	43.84	42.38	46.78	50.32
7-10	13.88	12.47	3.54	6.72	4.00	20.69	29.77	16.06	14.50
11-16	6.17	6.50	4.54	4.71	6.73	11.01	7.24	8.68	6.90
17-21	.65	.85	.50	.05	.07	1.03	.31	.35	.49
22-27			.05						.01
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	2154	1877	2005	2186	1471	2044	1935	1706	15378
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STATION SAG 9 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.09	.52	.47	1.79	3.79	.63	2.52	1.47	1.38
1-3	22.05	28.17	32.17	27.97	30.18	22.05	19.33	23.99	26.04
4-6	54.52	49.02	49.62	53.94	34.88	39.65	39.29	41.38	45.73
7-10	20.52	19.43	16.84	14.82	25.33	30.83	27.27	27.79	22.41
11-16	2.68	2.87	.88	1.45	5.67	6.74	11.26	5.34	4.34
17-21	.12		.03	.03	.16	.09	.33	.03	.09
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	3206	3099	3646	3854	3194	3188	2736	2864	25787
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STATION SAG 9 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.13	3.43	3.69	1.08	.40	.05	.40	9.05	2.52
1-3	30.96	21.26	27.06	25.49	22.27	17.10	23.02	23.24	23.86
4-6	26.90	29.60	40.56	42.60	40.42	38.46	28.82	29.74	34.57
7-10	20.72	27.51	21.24	26.67	28.60	35.57	28.92	26.27	16.03
11-16	13.85	12.46	6.78	4.16	6.22	8.22	17.76	11.27	10.15
17-21	4.95	4.72	.64		1.81	.61	1.04	.43	1.81
22-27	.49	1.02	.05		.28		.05		.24
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	2022	2159	1100	1946	1769	1971	2016	1846	15928
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PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION SAG 9 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.81	3.43	4.47	2.44	1.92	3.34	2.18	1.41	2.71
1-3	11.67	24.76	25.32	38.70	40.61	29.23	20.14	22.22	27.22
4-6	48.49	47.18	42.60	33.48	25.57	30.35	31.38	38.41	37.58
7-10	27.50	18.74	13.79	20.99	22.66	26.40	30.88	28.76	23.99
11-16	9.24	5.71	3.55	4.20	9.51	8.20	14.23	9.07	7.94
17-21	.30	.19	.26	.15	.53	1.62	1.13	.13	.52
22-27				.03		.34	.06		.05
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3702 3207 3089 3235 3019 2901 3352 3835 26340

STATION SAG 9 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.00	1.83	.13	.09	1.90	.84	4.47	6.06	2.42
1-3	20.12	17.94	23.51	17.26	31.16	15.76	16.89	20.74	19.55
4-6	35.55	38.94	43.74	52.63	35.06	20.54	18.02	31.60	37.48
7-10	25.87	25.10	20.34	21.26	27.39	33.00	33.65	26.80	25.04
11-16	11.40	14.17	11.37	7.18	15.41	25.76	24.11	13.16	13.66
17-21	1.39	.86	.88	1.50	3.27	3.79	2.68	1.57	1.73
22-27	.27	.07	.02	.02	.21	.30	.18	.06	.12
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4464 4643 4440 4346 3270 2732 1676 3563 28432

STATION SAG 9 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.67	2.79	2.78	2.16	.98	.57	.42	1.89	1.69
1-3	27.27	25.46	30.04	27.23	20.52	17.96	15.45	31.33	24.68
4-6	45.26	42.44	31.98	43.12	39.66	31.36	36.25	42.73	39.56
7-10	20.31	17.11	21.96	17.99	25.93	35.26	35.29	19.11	23.82
11-16	4.59	10.56	9.53	7.24	10.41	12.22	9.93	4.27	8.42
17-21	.62	1.45	1.61	2.09	2.35	2.21	2.53	.57	1.66
22-27	.07	.14	.10	.15	.21	.32	.23	.10	.17
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4012 3657 3852 3896 3343 3168 3837 4025 29790

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION SAC 9 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	4.15	6.47	3.70	3.21	3.72	.33	.74	1.63	2.99
1-3	28.33	20.44	27.66	32.29	32.21	22.03	21.54	24.77	26.18
4-6	35.03	41.55	35.60	38.22	32.24	31.29	29.97	35.38	34.94
7-10	23.27	20.83	19.81	14.76	18.33	26.91	24.77	26.85	22.06
11-16	7.55	7.54	7.30	6.68	8.01	13.54	18.55	9.27	9.76
17-21	1.58	2.69	4.94	4.06	4.73	4.75	3.78	1.84	3.46
22-27	.08	.44	.96	.78	.73	1.14	.65	.26	.61
28-33			.03		.03				.01
34-40									
41-47									
48-55									
>=56									

TOT 3614 3155 3135 3205 3148 2991 3250 3807 26305

STATION SAC 9 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.21	2.72	5.91	6.24	6.18	2.32	.44	4.82	3.85
1-3	24.58	21.72	25.20	30.17	23.26	16.08	10.53	17.69	21.34
4-6	43.47	41.86	31.90	32.60	28.47	29.91	31.73	30.38	34.08
7-10	21.04	23.61	25.17	23.75	31.43	37.58	37.25	35.01	29.04
11-16	8.01	8.80	11.60	7.16	10.33	13.60	17.53	11.90	11.02
17-21	.68	1.20	.18	.09	.31	.52	1.97	.22	.64
22-27		.09	.03				.14		.03
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3531 3490 3266 3255 2943 3103 2944 3219 25751

STATION SAC 9 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.99	.73	.59	1.00	.51	.03	.03	.23	.51
1-3	33.98	36.03	32.35	30.79	16.81	11.03	11.79	29.15	25.17
4-6	44.62	45.54	42.16	44.84	39.36	47.34	39.74	42.80	43.20
7-10	18.25	15.26	21.36	21.57	37.01	35.15	37.21	24.31	26.35
11-16	2.13	2.44	3.43	1.76	6.28	6.30	10.98	3.42	4.62
17-21	.03		.12	.03	.03	.15	.75	.08	.15
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3337 3153 3240 3169 3326 3272 3351 3537 26405

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION SAG 9 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	10.61	2.57	6.29	1.60	1.67	.14	.16	1.61	3.10
1-3	31.02	29.39	35.87	39.61	31.13	20.94	17.33	33.68	29.78
4-6	43.42	54.02	44.80	44.36	43.15	37.60	42.23	45.35	44.40
7-10	14.22	13.01	10.73	11.31	19.82	35.41	35.56	18.09	19.82
11-16	.73	1.02	2.29	3.11	4.17	5.86	4.68	1.25	2.87
17-21			.02		.06	.04	.04	.02	.02
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	5203	5220	4895	4693	5082	5066	5042	5219	40420

STATION SAG 9 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.47	.15	.19		.21	.16	.51	1.55	.42
1-3	33.55	24.37	17.22	22.26	32.24	25.92	31.08	42.53	29.65
4-6	46.30	65.90	73.27	71.17	54.18	51.09	43.08	36.54	54.45
7-10	14.44	9.56	9.25	6.57	12.84	21.06	21.70	18.26	14.51
11-16	.24	.02	.07		.54	1.73	3.61	1.12	.98
17-21						.04	.02		.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	4680	4657	4302	4111	4845	4919	4907	5088	37509

STATION SAG 9 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	3.18	4.44	2.95	1.56	2.18	1.05	1.01	1.60	2.25
1-3	45.25	36.22	54.50	57.00	49.72	35.91	30.57	47.83	45.14
4-6	47.78	54.97	38.95	36.27	40.58	47.90	54.32	46.85	45.84
7-10	3.73	2.37	3.60	5.14	7.47	14.74	13.76	3.58	6.65
11-16	.66			.03	.06	.39	.35	.14	.12
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3086	3331	3420	3344	3401	3052	3183	3684	26498

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION TWK 10 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 0 0 0 0 0 0 0 0 0

STATION TWK 10 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.98	7.71	40.40	26.92	16.20	6.72	4.71	5.51	15.68
1-3	62.54	28.75	36.76	45.77	53.67	75.19	70.43	68.98	53.86
4-6	26.55	50.63	11.42	23.15	23.35	16.28	23.73	23.46	23.97
7-10	9.93	12.08	10.92	4.16	6.59	1.81	1.13	2.05	6.30
11-16		.83	.50		.19				.19
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 614 480 797 769 531 387 531 635 4744

STATION TWK 10 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.20	8.12	12.54	9.75	3.16	1.83	2.32	12.32	7.30
1-3	44.27	43.48	45.69	44.06	40.28	24.94	31.20	39.40	39.37
4-6	31.94	29.84	28.74	32.44	36.56	38.53	32.38	33.47	32.82
7-10	10.56	13.07	10.03	13.08	13.88	24.12	23.15	12.04	14.87
11-16	2.89	2.10	1.14	.64	5.85	9.85	10.01	2.58	4.27
17-21	2.07	2.60	1.45	.03	.25	.68	.91	.15	1.05
22-27	.97	.80	.32			.05	.03	.03	.30
28-33	.10		.02						.02
34-40									
41-47									
48-55									
>=56									

TOT 4014 4276 4193 3906 3553 3665 3965 3911 31486

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (CMT)

STATION TAK 10 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	3.36	6.03	6.79	8.98	9.43	6.48	4.21	3.22	6.20
1-3	47.39	47.53	51.73	49.50	48.52	20.45	25.78	39.32	42.51
4-6	34.21	27.42	26.31	27.90	26.05	36.28	37.22	36.74	31.73
7-10	11.37	15.34	10.30	10.39	11.12	19.49	21.09	14.42	14.15
11-16	3.20	2.75	2.65	3.22	4.37	7.02	9.94	5.65	4.81
17-21	.46	.09	.22		.47	1.25	1.70	.64	.59
22-27					.03	.03	.05		.01
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	4595	4595	4185	4032	3436	2674	4224	4847	33788

STATION TAK 10 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.96	6.78	5.22	5.59	3.40	.42	.59	6.07	5.32
1-3	33.96	39.31	37.85	44.98	32.26	10.49	21.10	32.16	34.18
4-6	30.18	29.40	29.60	22.18	27.76	27.83	23.62	33.66	28.28
7-10	20.68	19.42	21.82	23.12	25.51	41.21	30.38	18.41	23.50
11-16	6.56	4.87	4.51	4.13	9.88	19.81	21.69	9.26	8.31
17-21	.65	.22			.19	.23	2.47	.40	.39
22-27	.03						.16	.03	.02
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	4314	4541	4372	4329	3238	2145	1863	3476	28278

STATION TAK 10 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.45	.77	1.19	3.09	2.23	.92	1.04	1.35	1.52
1-3	41.94	41.28	34.71	34.36	26.61	5.08	19.40	32.40	32.29
4-6	32.25	35.28	43.16	45.87	44.31	27.29	30.08	33.06	36.68
7-10	17.65	17.53	16.82	12.86	19.45	33.18	36.39	24.23	21.84
11-16	6.19	4.92	4.01	3.65	7.26	11.44	12.21	8.53	7.10
17-21	.51	.22	.12	.16	.43	2.05	.86	.43	.55
22-27	.03					.06	.03		.01
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3944	4045	4293	4301	3717	3270	3850	4222	31642

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION TWK 10 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.08	13.82	9.37	7.65	1.32	2.10	2.25	1.27	5.46
1-3	51.70	42.59	53.02	56.25	42.35	32.49	21.97	31.99	41.94
4-6	22.53	24.42	18.80	18.18	30.61	26.61	32.50	33.78	25.85
7-10	18.52	14.64	12.44	11.26	15.53	22.08	24.99	24.64	17.92
11-16	2.15	4.40	6.13	6.38	8.60	14.70	16.95	8.18	8.16
17-21	.02	.13	.24	.29	1.59	2.00	1.34	.12	.67
22-27						.03			.00
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4039 3865 3819 3856 3639 3198 3505 4082 30003

STATION TWK 10 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	3.31	1.76	3.82	4.81	.17	.30	.05	2.88	2.30
1-3	28.23	27.90	40.00	36.21	16.94	11.20	17.10	22.43	25.91
4-6	33.91	40.33	30.14	34.30	33.87	30.77	32.82	30.51	33.46
7-10	29.21	27.69	22.92	17.11	25.32	27.39	19.35	28.03	24.66
11-16	5.30	2.28	3.09	6.97	21.71	25.91	23.41	14.48	11.92
17-21		.04	.03	.59	1.99	4.12	6.74	1.62	1.95
22-27	.03					.30	.53	.04	.10
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2069 2949 2880 2865 2409 2304 2093 2465 20736

STATION TWK 10 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	6.29	17.24	16.18	10.65	1.30	1.31	1.31	.88	6.77
1-3	55.29	53.68	50.61	47.43	23.17	15.77	21.16	29.47	37.88
4-6	33.71	20.65	21.34	33.65	43.48	44.67	39.36	48.52	35.60
7-10	4.70	7.89	3.20	6.05	28.61	31.02	28.11	19.53	16.43
11-16		.46	1.21	.22	3.43	7.55	9.52	1.61	3.00
17-21		.06	.07			.29	.51		.12
22-27							.03		.00
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3337 3230 3060 3192 3146 3127 3351 3539 25982

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(CMT)

STATION TWK 10 JUN

	0000-0200	0300-0500	0500-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.86	12.11	15.25	1.42	.90	.30	.32	.52	5.29
1-3	53.82	62.38	62.33	61.71	40.71	27.85	23.62	39.17	47.64
4-6	26.50	23.13	17.99	24.65	39.78	39.20	44.58	47.18	33.00
7-10	3.79	2.22	4.21	5.80	16.86	29.45	27.83	11.91	12.74
11-16	.02	.11	.22	.43	1.75	3.18	3.60	1.13	1.30
17-21						.02	.05	.08	.02
22-27								.02	.00
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	5218	5220	4898	4693	5095	4995	5034	5229	40382
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STATION TWK 10 JUL

	0000-0200	0300-0500	0500-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	18.12	17.14	14.88	16.54	7.08	2.09	3.94	3.77	10.24
1-3	57.69	60.59	64.80	57.53	37.96	28.98	28.26	44.56	46.95
4-6	21.79	21.24	19.66	25.66	46.99	46.79	39.86	40.47	33.37
7-10	2.39	1.03	.66	.27	7.65	19.67	23.23	10.57	8.60
11-16					.31	2.46	3.63	.63	.93
17-21							.06		.01
22-27							.02		.00
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	4600	4656	4242	4111	4373	4920	4937	5088	37507
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STATION TWK 10 AUG

	0000-0200	0300-0500	0500-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	16.70	18.58	23.22	20.42	14.20	4.59	1.82	9.50	13.74
1-3	65.23	66.77	68.04	64.29	45.96	37.75	34.53	63.22	56.05
4-6	17.42	14.53	8.74	15.01	34.34	42.89	46.78	25.27	25.37
7-10	.65	.12		.27	5.35	14.19	16.02	1.95	4.65
11-16					.15	.59	.85	.05	.20
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	3383	3331	3420	3344	3401	3073	3183	3684	26519
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PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION HAC 13 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	26.60	19.02	23.23	29.05	2.10	1.20	1.19	12.61	15.10
1-3	33.32	38.84	52.30	59.37	34.48	16.00	20.09	32.67	34.95
4-6	22.09	27.08	18.29	12.81	37.53	43.61	38.14	29.94	28.12
7-10	12.98	10.58	4.13	6.91	20.96	28.10	28.34	19.77	16.14
11-16	4.91	4.43	2.04	.87	4.94	10.54	12.03	4.89	5.62
17-21	.09	.05				.14	.15	.11	.07
22-27							.05		.01
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	2218	1872	2105	2186	1479	2075	2011	1760	15706

STATION HAC 13 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	10.56	17.43	19.35	13.88	2.62	.37	.82	3.56	9.67
1-3	47.66	38.34	39.32	38.29	37.44	23.96	20.83	37.12	35.40
4-6	26.19	25.23	19.36	27.76	18.56	24.51	35.07	32.24	25.79
7-10	14.67	17.43	18.73	18.62	26.83	32.91	26.01	23.27	22.35
11-16	1.10	1.57	4.11	1.45	13.73	15.98	15.99	3.81	7.23
17-21	.03		.12		.69	2.19	1.13		.53
22-27					.03	.09	.14		.03
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3013	2731	3360	3646	3200	3285	2914	2810	24964

STATION HAC 13 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.74	5.84	9.56	20.73	14.14	.18	.17	3.97	6.86
1-3	26.64	23.31	36.95	14.17	7.80	19.92	18.96	26.36	22.82
4-6	41.05	37.42	30.21	38.14	47.55	42.66	39.46	46.42	40.27
7-10	9.98	13.09	15.20	24.45	29.28	28.97	24.67	14.44	19.87
11-16	7.74	7.19	3.72	2.51	1.22	7.11	13.76	8.08	6.75
17-21	6.30	5.13	3.59			1.12	2.86	.73	2.59
22-27	2.43	2.76	.77			.06	.11		.79
28-33	.12	.26							.05
34-40									
41-47									
48-55									
>=56									
TOT	1602	1558	1559	1235	1306	1702	1751	1510	12226

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(LMT)

STATION HAC 13 DEC

	0000-0200	0200-0500	0500-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	4.39	9.37	10.63	9.13	9.04	6.12	4.51	4.62	7.06
1-3	33.95	39.18	42.51	49.17	45.12	35.58	23.54	34.91	37.59
4-6	37.23	27.91	30.84	30.39	24.14	29.25	33.57	29.53	30.62
7-10	17.95	17.74	11.50	8.02	12.91	13.80	19.72	20.51	15.56
11-16	5.31	5.58	4.22	3.24	7.54	11.09	14.03	9.06	7.53
17-21	1.10	.21	.27	.06	1.16	3.32	4.05	1.26	1.43
22-27	.07		.03		.09	.78	.58	.11	.20
28-33						.06			.01
34-40									
41-47									
48-55									
>=56									
TOT	4351	3726	3670	3616	3198	3463	3950	4369	30343

STATION HAC 13 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.40	4.89	4.91	3.27	1.42	6.37	2.99	2.91	4.06
1-3	29.19	31.72	27.84	41.33	34.98	7.96	23.67	31.14	30.87
4-6	30.06	25.39	28.73	29.68	19.95	22.75	17.19	27.29	26.43
7-10	19.80	21.75	24.43	14.57	24.95	28.46	15.95	16.05	20.33
11-16	9.39	11.69	11.53	10.68	17.67	25.66	25.50	16.09	13.79
17-21	3.87	3.00	2.70	.47	1.01	8.47	12.62	5.46	3.60
22-27	1.92	1.25	.06			.3	1.99	1.01	.80
28-33	.33	.31					.08	.04	.12
34-40	.03								.00
41-47									
48-55									
>=56									
TOT	3337	3600	3758	3426	2184	1068	1204	2473	20545

STATION HAC 13 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.47	1.88	.51	3.65	3.35	4.16	2.22	1.69	2.31
1-3	30.50	21.19	26.71	23.49	19.20	16.02	12.32	24.43	22.10
4-6	30.95	33.29	35.97	39.37	29.88	15.32	18.57	27.19	29.04
7-10	18.65	26.51	22.57	18.21	24.96	30.30	36.45	24.70	25.34
11-16	16.35	14.41	13.19	13.16	19.57	30.12	27.19	20.51	19.15
17-21	1.47	.72	1.05	1.69	3.01	3.94	3.20	1.42	1.93
22-27	.11			.13	.03	.15	.06	.05	.07
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3738	3193	3336	3086	2989	2716	3248	3729	26041

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION HAC 13 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.89	11.44	12.63	12.67	3.35	.90	.25	.64	5.96
1-3	45.29	41.81	41.25	49.00	36.69	27.37	14.49	25.32	35.37
4-6	16.84	21.67	22.24	14.08	24.25	24.16	32.96	30.15	23.30
7-10	24.10	16.71	12.55	12.56	20.29	26.17	27.60	29.02	21.21
11-16	6.86	7.47	9.58	11.06	12.39	14.19	20.58	14.35	12.05
17-21	.03	.83	1.57	.64	2.34	6.35	3.82	.51	1.93
22-27		.08	.02		.20	.87	.31		.18
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3936 3734 3602 3616 3584 3340 3562 4083 29459

STATION HAC 13 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	4.09	4.54	5.83	4.76	2.81	.90	.09	.42	2.96
1-3	30.99	26.93	29.46	36.79	19.44	13.74	11.42	18.66	23.55
4-6	25.25	30.47	30.53	26.11	27.62	32.51	32.54	32.52	29.68
7-10	32.18	32.82	26.09	26.20	31.02	26.61	27.42	28.18	28.85
11-16	7.25	5.14	7.38	5.95	16.50	20.19	19.29	17.94	12.34
17-21	.23	.09	.68	.18	2.57	5.31	8.41	2.16	2.40
22-27					.03	.74	.82	.12	.21
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3445 3403 3223 3259 3020 3239 3162 3339 26101

STATION HAC 13 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	6.50	15.84	12.96	11.47	1.83	.06	.24	.25	6.01
1-3	46.94	45.40	48.43	40.19	15.45	11.28	17.37	20.55	30.59
4-6	35.24	25.86	27.25	29.95	33.22	35.15	31.75	42.36	32.74
7-10	10.91	10.36	9.66	17.26	37.19	37.62	32.29	29.01	23.19
11-16	.51	1.55	1.67	1.13	12.09	15.04	15.88	7.34	6.96
17-21			.03		.21	.79	2.33	.47	.49
22-27						.06	.15		.03
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3337 3233 3240 3192 3326 3212 3351 3581 26532

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION HAC 13 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.97	11.23	13.67	11.63	3.06	.40	1.29	1.48	6.28
1-3	56.32	50.80	59.33	56.55	31.15	23.92	17.53	33.86	41.08
4-6	28.66	32.84	19.45	23.40	40.86	36.85	42.91	41.89	33.51
7-10	6.46	4.96	6.50	6.61	19.32	31.89	30.95	20.64	15.94
11-16	.57	.17	1.06	1.79	5.50	6.90	7.32	2.05	3.16
17-21	.02			.02	.12	.04		.10	.04
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	5220	5220	4910	4693	5130	4999	5025	5219	40416

STATION HAC 13 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	17.92	18.54	15.87	11.28	1.66	.90	.90	1.97	8.43
1-3	54.43	52.57	60.10	57.58	39.87	28.47	25.51	37.77	44.16
4-6	24.71	26.21	21.56	30.28	43.57	43.50	39.03	43.77	34.38
7-10	2.94	2.68	2.47	.84	14.24	22.64	28.06	15.45	11.42
11-16				.02	.66	4.47	6.38	1.04	1.59
17-21						.02	.12		.02
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	4856	4957	4662	4531	5162	5083	4889	5216	39376

STATION HAC 13 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	18.65	24.28	22.03	20.01	3.35	2.86	3.11	6.30	12.51
1-3	56.26	56.07	70.32	63.12	47.16	29.78	23.09	53.35	50.14
4-6	23.69	19.56	7.55	15.88	40.46	46.53	47.38	37.04	29.77
7-10	1.17	.09	.09	.99	8.97	19.36	24.32	2.88	7.06
11-16	.19				.06	1.46	2.10	.38	.51
17-21	.03							.05	.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3077	3328	3300	3224	3401	3073	3183	3683	26269

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION CHS 15 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	33.59	24.57	27.17	28.09	8.17	2.76	3.53	24.15	19.57
1-3	46.62	58.39	63.94	61.80	59.20	40.33	45.52	48.24	52.83
4-6	16.64	13.14	8.41	9.52	26.78	40.57	35.82	22.95	21.38
7-10	3.07	3.85	.48	.59	5.57	14.41	14.68	4.43	5.84
11-16	.09	.05			.28	1.93	.45	.17	.39
17-21								.06	.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2218 1872 2105 2186 1419 2068 2010 1760 15638

STATION CHS 15 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	27.65	32.41	31.86	28.54	10.36	2.04	4.31	16.52	19.94
1-3	57.74	51.77	51.35	54.04	57.24	49.79	50.38	60.71	54.02
4-6	13.36	14.73	14.97	16.54	21.82	28.62	30.40	19.46	19.73
7-10	1.25	1.08	1.80	.88	9.95	14.26	13.85	3.28	5.57
11-16			.03		.62	4.23	1.06	.03	.73
17-21						.06			.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3211 3048 3768 3973 3244 3288 2924 2863 26339

STATION CHS 15 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	15.86	15.43	17.16	22.23	9.72	4.05	5.26	22.38	13.78
1-3	53.27	56.98	57.49	48.19	53.36	44.73	44.29	46.16	50.51
4-6	20.87	13.27	17.89	21.23	22.97	32.23	29.93	21.47	23.37
7-10	5.00	4.60	5.33	7.95	9.08	14.59	17.09	7.83	9.06
11-16	3.74	3.69	1.07	.39	4.72	4.17	3.32	2.13	2.91
17-21	1.23	.94	.05		.15	.22	.10	.03	.34
22-27	.03	.06							.01
28-33		.03							.00
34-40									
41-47									
48-55									
>=56									

TOT 3259 3519 3637 3320 3304 3577 3856 3284 27756

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION CHS 15 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.45	11.90	12.70	14.07	23.52	11.71	9.23	9.77	11.87
1-3	69.05	60.34	63.44	63.63	51.48	50.61	49.36	57.98	58.59
4-6	18.44	20.96	16.88	16.81	16.75	13.99	25.10	21.80	20.11
7-10	6.35	6.35	6.00	5.01	7.05	11.35	12.18	8.93	7.84
11-16	1.69	.45	.98	.44	1.05	2.29	3.90	1.52	1.54
17-21	.02			.02	.11	.05	.23		.05
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	5136	4662	4401	4270	3605	3851	4365	4872	35183
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STATION CHS 15 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.38	6.35	5.88	7.37	4.43	.36	.85	7.07	5.64
1-3	44.86	44.84	47.49	52.99	45.55	19.17	29.70	44.79	43.59
4-6	30.86	29.25	30.63	26.90	35.54	41.25	30.67	26.08	30.66
7-10	12.38	15.14	13.71	11.95	13.10	21.92	29.33	16.18	16.11
11-16	4.03	4.13	2.23	.79	1.38	7.19	10.92	5.72	3.85
17-21	.30	.24	.05			.10	.23	.16	.13
22-27	.18								.03
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	3941	4233	4085	4082	2977	1961	1755	3641	26076
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STATION CHS 15 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.89	4.48	4.15	7.27	4.15	2.68	2.08	4.78	4.49
1-3	58.19	54.42	53.75	52.87	43.40	32.51	26.71	47.38	46.65
4-6	22.71	30.22	32.03	29.50	34.10	35.50	44.23	34.39	32.65
7-10	11.47	9.87	9.33	8.62	15.59	25.38	23.64	12.70	14.31
11-16	1.71	.98	.64	1.54	2.72	3.91	3.35	.75	1.88
17-21	.12	.03			.03	.03			.03
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	4324	3831	3881	3698	3419	3251	3853	4394	30701
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PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION CHS 15 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	12.63	14.74	16.54	15.38	5.16	1.03	.28	3.05	8.54
1-3	53.23	49.63	51.06	54.88	48.59	38.24	31.07	38.69	45.57
4-6	26.96	27.92	22.61	21.21	32.86	34.71	39.40	41.99	31.17
7-10	6.87	7.03	9.02	8.09	11.10	19.38	24.35	15.38	12.67
11-16	.11	.65	.77	.44	2.27	6.52	4.81	.89	2.02
17-21		.03			.03	.12	.08		.03
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3624 3514 3361 3413 3487 3313 3553 3934 28199

STATION CHS 15 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	16.75	6.81	11.84	9.04	1.43	.34	1.36	6.44	6.97
1-3	38.55	44.95	43.10	46.78	31.11	25.12	24.58	30.54	35.89
4-6	30.34	34.49	31.08	29.74	38.74	39.53	37.35	38.80	34.88
7-10	11.72	12.84	12.31	12.54	22.90	26.32	27.24	21.05	18.11
11-16	2.64	.90	1.67	1.90	5.71	8.32	8.78	3.13	4.02
17-21					.06	.34	.65		.13
22-27						.03	.03		.01
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3593 3566 3420 3420 3118 3268 3165 3353 26903

STATION CHS 15 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	17.41	25.21	18.49	17.64	1.62	.34	1.16	3.30	10.48
1-3	63.26	55.49	61.30	54.14	30.37	25.98	27.22	41.19	44.72
4-6	18.22	15.06	15.31	22.74	45.79	50.49	44.76	42.59	32.10
7-10	1.11	4.18	4.54	5.36	20.96	21.24	23.66	12.15	11.72
11-16		.06	.37	.13	1.21	1.89	3.19	.78	.97
17-21						.06			.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3337 3233 3240 3192 3326 3272 3351 3581 26532

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION CHS 15 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	20.69	16.15	20.75	18.52	2.93	1.45	1.22	6.44	10.93
1-3	63.95	72.64	69.27	63.99	57.35	44.95	39.67	59.91	58.94
4-6	14.77	11.13	9.63	16.68	35.08	41.51	46.32	30.30	25.77
7-10	.59	.08	.35	.81	4.56	11.84	12.48	3.32	4.27
11-16					.08	.25	.32	.04	.09
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	5220	5220	4910	4693	5126	5170	5009	5218	40566

STATION CHS 15 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	30.45	21.14	14.60	17.15	4.36	3.10	2.33	15.09	13.35
1-3	61.93	67.68	78.40	72.32	66.29	52.99	50.47	58.15	63.26
4-6	7.43	10.93	6.70	10.33	26.44	37.65	39.34	24.74	20.83
7-10	.16	.24	.30	.20	2.89	5.88	7.32	2.01	2.44
11-16	.02				.02	.39	.54		.12
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	4857	4957	4657	4531	5182	5105	4987	5214	39490

STATION CHS 15 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	31.12	27.14	26.45	19.23	5.26	4.20	3.02	19.32	17.05
1-3	50.32	65.36	70.76	75.96	72.54	61.07	57.27	67.83	66.32
4-6	9.71	7.45	2.79	4.78	21.64	32.40	35.31	12.50	15.59
7-10	.78	.06		.03	.56	2.30	4.37	.24	1.00
11-16	.06					.03	.03	.11	.03
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3078	3331	3300	3224	3401	3000	3183	3681	26198

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION RKO 20 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	43.08	23.36	42.61	35.06	4.65	5.33	8.60	29.93	25.12
1-3	43.75	74.92	55.11	56.38	72.47	68.19	61.17	42.60	58.88
4-6	8.16	1.72	2.23	7.87	14.79	21.14	19.39	16.74	11.27
7-10	3.83		.05	.69	6.45	4.36	9.70	9.12	4.08
11-16	.18				1.73	.97	1.15	1.61	.64
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	2217	1858	2105	2185	1442	2062	2001	1744	15614

STATION RKO 20 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	24.07	2.42	44.73	34.14	14.22	5.13	2.90	9.81	21.63
1-3	74.03	55.69	48.57	55.59	74.69	76.18	96.61	79.41	69.04
4-6	1.90	1.59	6.28	9.02	9.41	15.86	10.28	10.79	8.44
7-10		.22	.43	1.25	1.52	2.48	.21		.82
11-16		.09			.17	.35			.08
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	2688	2268	2768	3114	2891	3102	2831	2661	22343

STATION RKO 20 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	24.34	28.70	29.69	27.95	12.25	12.41	10.23	24.34	21.17
1-3	55.26	52.67	59.32	56.89	62.01	65.64	66.72	58.42	59.60
4-6	17.14	16.81	10.51	11.85	17.16	10.17	16.79	12.90	15.16
7-10	2.93	1.80	1.47	3.22	6.44	3.60	4.37	4.14	3.54
11-16	.34	.03		.09	2.16	.17	1.30	.20	.53
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3554	3725	3663	3417	3340	3440	3765	3480	28384

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION RAO 20 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.24	15.13	15.48	17.02	19.16	13.31	10.36	10.78	13.28
1-3	44.26	46.74	49.70	52.84	49.25	55.66	29.49	36.13	42.87
4-6	38.31	31.22	28.65	26.92	22.11	34.85	39.18	40.45	33.11
7-10	9.25	6.50	5.66	3.03	7.66	11.80	15.86	10.76	8.98
11-16	.94	.41	.51	.20	1.70	4.32	4.06	1.83	1.72
17-21					.13	.06	.06	.05	.03
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4270 3648 3515 3537 3121 3449 3571 3933 29044

STATION RAO 20 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	10.06	7.10	3.14	5.17	2.53		.50	6.44	5.13
1-3	35.79	43.63	44.78	52.36	39.98	13.53	30.38	44.22	40.89
4-6	33.84	24.94	32.66	27.59	40.33	42.85	30.00	28.82	31.66
7-10	14.84	16.11	13.42	12.33	16.50	32.42	25.22	14.18	16.41
11-16	4.10	6.53	5.38	1.55	.61	10.73	13.02	5.37	5.11
17-21	1.10	1.51	.64			.42	.75	.97	.71
22-27	.26	.17				.05	.13		.08
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3906 4041 3919 3926 2631 1678 1590 2793 24384

STATION RAO 20 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.57	1.52	1.15	3.50	2.13	2.40	2.09	2.93	2.15
1-3	32.46	27.92	27.08	27.08	19.99	17.45	16.52	27.98	25.01
4-6	29.21	28.47	29.73	25.77	29.58	29.39	29.56	25.71	28.22
7-10	23.53	27.33	26.64	29.06	35.53	30.45	31.94	27.09	28.91
11-16	7.69	11.01	11.52	12.48	12.50	19.18	15.84	11.57	12.51
17-21	3.89	2.61	1.44	1.59	.26	1.14	3.86	4.14	2.51
22-27	2.17	1.05	.03	.49			.19	.58	.62
28-33	.26	.09							.05
34-40	.03			.04					.01
41-47									
48-55									
>=56									

TOT 3500 3224 3128 2929 2671 2539 3112 3820 24823

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION RKO 20 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.41	11.12	9.57	8.22	2.08	.58	.62	2.20	5.03
1-3	47.32	42.93	47.30	49.14	34.91	30.36	26.20	31.59	38.89
4-6	24.42	23.57	24.60	20.72	35.21	34.45	35.21	35.34	29.18
7-10	15.37	14.16	9.29	14.73	14.11	17.36	23.15	21.66	16.19
11-16	6.84	6.07	6.41	6.61	11.52	14.66	13.19	8.10	9.05
17-21	.56	1.86	1.91	.68	1.54	2.43	1.53	.58	1.40
22-27	.08	.27	.69	.30	.19	.15	.09	.03	.22
28-33			.19		.03				.02
34-40			.03						.00
41-47									
48-55									
>=56									

TOT 3903 3657 2605 3662 3601 3294 3465 3998 29186

STATION RKO 20 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	3.48	2.13	4.53	5.00	.18	.63	.45	1.67	2.25
1-3	35.27	30.95	35.60	42.11	25.95	22.59	24.07	33.34	31.84
4-6	28.87	33.16	32.08	33.07	39.23	44.10	42.74	37.70	36.13
7-10	22.41	25.41	18.98	16.14	33.42	25.60	24.49	23.08	23.33
11-16	9.21	7.81	5.56	3.07	4.21	6.53	7.65	4.06	6.04
17-21	.72	.53	.26	.26		.16	.58	.12	.34
22-27	.03			.32			.03	.03	.05
28-33				.03					.00
34-40									
41-47									
48-55									
>=56									

TOT 3592 3561 3420 3420 3110 3218 3112 3353 26786

STATION RKO 20 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	13.16	14.38	13.77	10.43	1.20	.09	.75	2.96	7.06
1-3	42.82	44.05	48.70	44.11	31.42	31.60	30.71	46.55	40.00
4-6	26.66	29.05	29.45	40.29	52.47	48.14	47.63	38.43	39.06
7-10	13.49	10.46	7.54	5.08	14.58	18.92	17.43	11.06	12.36
11-15	3.87	1.52	.46	.09	.33	1.25	3.40	1.01	1.50
17-21		.03	.03				.09		.02
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3335 3226 3238 3192 3326 3272 3351 3581 26521

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION RAO 20 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.62	6.84	13.49	11.42	2.23	1.31	.82	1.89	5.37
1-3	48.09	45.71	49.46	67.57	53.02	45.90	44.32	53.03	50.74
4-6	28.72	33.39	24.43	15.19	30.70	34.77	37.38	35.79	30.21
7-10	14.78	12.22	9.62	5.60	12.46	16.95	15.92	8.85	12.13
11-16	2.76	1.88	2.71	.21	1.60	1.07	1.58	.44	1.54
17-21	.02		.08						.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 5205 5220 4907 4693 5072 4961 5014 5189 40264

STATION RAO 20 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	15.16	10.93	13.86	13.42	2.03	2.45	1.08	5.23	7.87
1-3	40.32	33.33	41.87	63.16	59.59	52.02	49.54	58.58	50.44
4-6	29.32	42.42	33.56	22.75	33.94	35.67	36.54	29.51	33.08
7-10	14.00	7.66	10.34	.66	4.42	9.21	12.01	6.12	8.09
11-16	1.16	.52	.34		.02	.66	.82	.56	.52
17-21	.02								.00
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4836 4960 4602 4531 4974 4985 4978 5215 39141

STATION RAO 20 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	14.35	18.85	17.76	20.04	2.72	1.82	1.55	7.45	10.58
1-3	43.80	44.01	51.45	62.13	69.50	57.70	53.58	70.15	56.84
4-6	26.39	31.49	23.73	15.07	26.37	33.52	37.05	18.83	26.38
7-10	14.19	5.64	7.00	2.70	1.41	5.99	7.66	2.89	5.91
11-16	1.27		.06	.06		.94	.16	.68	.39
17-21						.03			.00
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3066 3331 3300 3224 3341 3073 3171 3665 26171

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION NRY 21 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	29.72	10.27	21.92	44.35	8.91	1.06	2.09	8.56	17.07
1-3	42.95	43.30	54.40	28.27	21.71	33.57	40.30	47.40	40.76
4-6	22.99	36.61	21.33	24.11	29.46	30.04	38.21	38.23	29.54
7-10	3.90	8.48	2.35	3.27	36.82	33.57	17.31	5.50	11.66
11-16	.43	1.34			3.10	1.77	2.09	.31	.98
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	461	448	511	336	258	283	335	327	2959
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STATION NRY 21 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	0	0	0	0	0	0	0	0	0
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STATION NRY 21 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	17.82	.84	5.52	51.54	23.41	1.35	.78	4.28	12.16
1-3	11.76	19.89	26.52	25.31	29.19	25.07	31.52	31.69	25.53
4-6	21.75	35.57	52.76	18.21	29.77	16.17	19.12	27.41	27.64
7-10	38.67	28.01	13.81	4.94	15.61	35.31	30.75	30.62	25.16
11-16	8.46	14.01	1.38		2.02	22.10	17.57	5.35	9.00
17-21	1.21	1.12					.26	.64	.41
22-27		.56							.07
28-33	.30								.03
34-40									
41-47									
48-55									
>=56									

TOT	331	357	362	324	346	371	387	467	2945
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PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION NRY 21 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	21.68	27.84	32.75	34.02	35.52	20.56	16.06	23.56	26.27
1-3	40.17	36.13	37.91	37.07	38.87	28.85	30.45	31.95	35.31
4-6	22.75	18.43	14.98	17.29	11.09	20.44	19.24	23.50	18.73
7-10	8.42	12.25	9.19	10.16	9.83	15.51	12.64	10.29	10.98
11-16	6.68	5.35	5.11	1.46	4.47	11.84	15.57	9.88	7.49
17-21	.29		.06		.22	2.68	4.42	.83	1.01
22-27						.06	1.49		.18
28-33						.06	.12		.02
34-40									
41-47									
48-55									
>=56									
TOT	2066	1943	1762	1642	1343	1605	1606	1681	13649

STATION NRY 21 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	11.64	13.66	7.84	9.62	6.99	.48	.79	6.32	8.14
1-3	23.47	19.45	24.86	24.95	23.61	18.32	19.63	24.27	22.75
4-6	17.44	22.00	28.51	32.69	29.64	14.61	22.61	28.68	25.19
7-10	23.00	20.75	21.85	20.54	24.23	27.87	16.09	19.39	21.72
11-16	16.89	18.76	15.06	11.51	12.79	25.75	21.68	12.49	16.10
17-21	5.61	3.92	1.70	.66	2.64	11.57	14.23	6.32	4.82
22-27	1.76	1.42	.15	.03	.10	1.40	4.72	2.40	1.25
28-33	.19						.06	.13	.05
34-40									
41-47									
48-55									
>=56									
TOT	3635	3727	3943	3928	2918	2074	1778	3131	25134

STATION NRY 21 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	4.50	5.01	4.08	8.59	4.57	3.24	1.95	4.81	4.63
1-3	26.72	27.99	27.69	21.81	15.94	16.75	9.87	19.51	21.06
4-6	32.94	29.84	33.14	36.33	32.40	15.26	14.76	27.49	28.12
7-10	19.08	21.73	23.73	21.95	29.83	33.82	35.76	25.70	26.09
11-16	13.37	14.66	10.95	8.87	15.12	25.75	31.85	20.40	17.30
17-21	2.56	1.28	.25	2.06	2.07	4.96	5.46	1.31	2.50
22-27	.77	.10	.05	.36	.26	.22	.35	.19	.29
28-33	.05			.03					.01
34-40									
41-47									
48-55									
>=56									
TOT	4135	3834	4041	3843	3332	3146	3739	4245	30415

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION NRY 21 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	14.34	22.34	29.56	22.55	7.49	1.08	.65	2.07	11.86
1-3	43.29	34.19	30.36	40.26	41.31	32.29	20.21	23.81	33.02
4-6	24.77	24.37	22.96	22.65	23.51	28.17	29.67	38.58	27.14
7-10	11.68	13.42	12.52	14.15	20.59	21.46	37.62	25.93	19.99
11-16	5.49	5.62	4.00	1.19	7.04	14.07	10.96	9.18	7.32
17-21	.43	.07	.48		.07	2.87	.86	.44	.65
22-27			.12			.07	.03		.03
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3040	2753	2500	2685	2271	2787	2919	3432	22992

STATION NRY 21 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	12.20	22.28	22.50	7.59	.11	.11	.48	11.16	10.24
1-3	15.08	13.93	12.04	27.59	19.49	17.41	17.22	10.56	16.76
4-6	14.15	7.43	17.50	33.24	42.84	25.89	12.80	19.93	21.49
7-10	25.79	21.08	26.94	23.61	23.35	27.15	26.32	40.53	26.50
11-16	28.21	33.33	20.28	7.96	11.56	18.44	23.60	12.00	19.74
17-21	4.10	1.95	.74		2.53	8.73	9.33	4.80	3.75
22-27	.47				.11	2	7.21	.96	1.41
28-33							.24		.69
34-40									
41-47									
48-55									
>=56									
TOT	1074	1077	1050	1080	908	873	836	833	7761

STATION NRY 21 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	9.30	14.96	16.85	16.37	2.77	.04	.04	3.09	7.88
1-3	37.83	37.36	42.00	32.39	14.98	9.60	9.64	14.11	24.53
4-6	32.07	32.97	20.93	24.78	24.45	28.90	26.55	32.56	28.00
7-10	18.27	10.88	15.26	13.51	21.64	29.64	27.92	33.05	21.43
11-16	2.54	3.82	4.96	12.53	32.92	27.15	27.41	16.34	15.83
17-21				.41	3.34	5.06	6.80	.85	2.03
22-27						.62	1.41		.25
28-33							.04		.00
34-40									
41-47									
48-55									
>=56									
TOT	2797	2692	2700	2653	2634	2571	2765	3041	21859

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION NRY 21 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	14.33	16.95	23.19	17.67	4.38	1.36	1.45	3.39	10.38
1-3	42.16	40.92	40.14	41.78	30.57	19.37	16.76	24.43	32.11
4-6	31.02	31.95	27.09	29.76	30.03	28.48	31.77	38.86	31.14
7-10	11.92	9.60	8.12	9.82	26.40	34.17	33.59	29.41	20.30
11-16	.58	.59	1.42	.95	8.49	16.35	15.97	3.66	5.32
17-21			.04	.02	.12	.25	.44	.25	.14
22-27							.02		.00
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4858 4939 4791 4624 4818 4764 4558 4863 38215

STATION NRY 21 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	21.03	21.50	20.21	18.85	6.57	15.51	13.66	10.34	15.93
1-3	39.58	41.93	51.88	33.96	36.97	26.80	23.17	26.18	36.45
4-6	30.72	29.27	22.70	33.55	36.72	29.77	27.27	36.15	30.83
7-10	8.49	7.12	4.82	3.47	17.66	19.83	27.22	24.71	14.09
11-16	.18	.18	.40	.17	2.08	7.97	8.37	2.62	2.65
17-21						.11	.22		.04
22-27							.06		.01
28-33							.03		.00
34-40									
41-47									
48-55									
>=56									

TOT 3828 3949 3776 3633 3941 3500 3586 3889 30102

STATION NRY 21 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	20.00	24.05	25.83	21.18	2.98	13.56	8.18	12.64	15.98
1-3	39.70	48.98	53.25	56.98	47.20	35.70	28.69	41.09	44.08
4-6	32.72	26.37	20.56	19.90	38.46	27.20	26.76	33.36	28.24
7-10	7.58	.60	.36	1.94	11.25	20.75	29.49	12.08	10.40
11-16					.10	2.80	6.84	.83	1.30
17-21							.03		.00
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2665 2948 3020 2880 2951 2574 2896 3378 23212

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION WRY 22 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	18.84	10.43	17.94	14.75	.75	.29	.50	8.94	9.24
1-3	36.25	46.49	56.84	52.55	40.40	13.87	12.57	28.65	35.76
4-6	20.08	25.34	17.69	19.69	29.64	34.44	31.46	30.07	25.91
7-10	18.97	9.63	6.78	12.34	18.54	31.99	41.15	23.05	20.52
11-16	5.87	7.68	.75	.67	10.35	18.71	14.01	8.94	8.31
17-21		.43			.33	.70	.31	.35	.26
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 1534 1381 1594 1783 1208 1716 1599 1410 12225

STATION WRY 22 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	13.39	20.44	25.74	26.63	4.32	1.31	.41	2.61	12.27
1-3	43.49	37.30	34.21	37.35	41.75	27.53	25.50	36.49	35.51
4-6	25.05	28.20	26.58	22.28	24.46	26.31	35.49	35.03	27.63
7-10	14.40	13.11	12.81	13.41	21.01	28.81	26.87	23.39	19.09
11-16	3.66	.95	.66	.33	8.24	14.92	11.35	2.47	5.29
17-21					.22	1.07	.38		.21
22-27						.06			.01
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3166 2745 3356 3676 3217 3284 2925 2869 25238

STATION WRY 22 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.80	9.64	8.54	12.76	7.43	.67	2.63	8.30	6.92
1-3	38.69	35.19	35.46	37.05	29.36	26.03	22.49	32.95	32.12
4-6	38.07	35.55	42.59	34.23	37.54	35.52	34.61	34.47	36.58
7-10	10.70	13.23	10.16	9.24	14.25	21.69	20.63	15.60	14.49
11-16	1.65	2.14	2.03	6.58	9.82	13.09	18.44	7.58	7.66
17-21	3.65	3.25	1.07	.13	1.47	2.68	1.14	1.03	1.82
22-27	1.37	.96	.15		.14	.32	.06	.06	.39
28-33	.06	.03							.01
34-40									
41-47									
48-55									
>=56									

TOT 3205 3319 3257 2977 2933 3139 3340 3217 25387

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION WRY 22 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	9.18	11.32	13.58	12.82	13.19	9.25	8.95	7.95	10.73
1-3	32.91	35.24	40.07	33.91	39.14	18.38	17.16	31.00	30.93
4-6	33.92	30.66	24.79	20.16	24.73	38.34	34.55	34.00	31.92
7-10	16.83	19.71	15.43	16.88	16.82	20.35	25.04	19.66	19.10
11-16	6.13	2.41	4.59	3.47	5.77	12.73	12.11	6.94	6.75
17-21	.95	.05	.17	.63	.36	.85	1.20	.42	.53
22-27	.05					.09	.08	.05	.03
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4130 3734 3506 3518 3033 3292 3684 4065 28962

STATION WRY 22 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.15	7.20	5.39	7.13	5.00	.14	.32	5.93	5.52
1-3	33.02	31.58	31.36	35.48	30.69	12.28	24.28	25.76	29.66
4-6	24.63	28.60	33.07	32.08	27.95	25.02	19.94	35.29	29.89
7-10	24.05	22.10	18.19	19.29	24.87	40.23	28.35	22.26	23.46
11-16	8.23	8.27	6.16	5.82	11.03	19.86	21.86	7.36	9.53
17-21	2.09	1.95	.75	.20	.45	2.37	4.66	2.82	1.65
22-27	.69	.29	.07			.09	.59	.56	.27
28-33	.09							.03	.02
34-40									
41-47									
48-55									
>=56									

TOT 4349 4556 4397 4557 3317 2150 1866 3409 28601

STATION WRY 22 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.59	.85	1.59	5.32	6.51	2.60	.68	.84	2.26
1-3	31.48	37.51	26.85	27.01	15.58	17.88	13.72	26.63	25.11
4-6	38.14	25.86	42.46	36.93	36.34	25.57	24.39	32.70	33.10
7-10	13.15	22.67	19.01	19.80	24.81	34.21	39.86	26.86	24.54
11-16	14.12	12.65	9.84	10.31	15.91	16.52	18.19	12.42	13.58
17-21	2.01	.44	.25	.62	.86	3.02	2.80	.54	1.27
22-27	.50	.03				.19	.35		.14
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4371 3882 4034 3659 3382 3148 3673 4266 30825

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION WRY 22 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.67	12.68	18.75	14.18	6.26	.48	.76	2.27	7.66
1-3	39.67	40.52	37.12	45.00	32.04	27.10	14.78	15.91	31.56
4-6	28.12	23.02	20.58	20.83	31.85	32.62	35.08	36.08	28.51
7-10	23.17	16.87	13.74	12.88	18.24	22.54	28.95	35.61	21.66
11-16	3.32	6.65	9.34	6.73	9.51	13.27	17.28	9.74	9.33
17-21	.05	.26	.44	.38	2.08	3.85	2.92	.39	1.23
22-27			.03		.03	.15	.22		.05
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4001 3818 3610 3702 3564 3354 3558 4055 29662

STATION WRY 22 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.51	11.55	8.71	14.44	1.92	.95	1.70	5.07	6.65
1-3	27.46	22.60	28.19	32.75	17.29	15.80	15.76	16.73	22.27
4-6	32.16	30.09	31.55	27.81	27.00	25.95	23.08	26.01	28.45
7-10	22.73	26.92	22.81	16.49	36.50	37.41	32.63	38.14	28.97
11-16	7.54	8.36	5.44	6.70	15.97	18.64	23.83	13.81	12.30
17-21	2.42	.48	.29	1.75	1.31	1.22	2.74	.24	1.30
22-27	.17			.06		.03	.25		.06
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3394 3566 3420 3420 3118 3272 3172 3353 26915

STATION WRY 22 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	16.63	30.56	41.11	18.83				.15	13.21
1-3	71.57	57.95	39.81	31.24	2.22	.20	10.39	38.79	31.45
4-6	11.61	11.48	19.07	38.23	32.38	31.64	37.63	43.18	28.99
7-10				10.98	52.05	57.00	41.40	17.42	21.96
11-16				.71	13.65	11.16	10.57	.45	4.40
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 517 540 540 701 568 493 558 660 4595

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION WRY 22 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

STATION WRY 22 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

STATION WRY 22 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION ERY 23 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	28.40	20.28	28.23	26.19	8.94	7.05	4.44	7.09	16.63
1-3	31.14	45.62	50.13	50.98	42.88	22.90	23.08	52.27	39.53
4-6	28.47	26.43	16.44	20.64	33.03	35.43	49.09	29.72	29.80
7-10	11.34	7.17	5.02	2.13	14.74	30.13	20.58	7.66	12.46
11-16	.65	.51	.19	.06	.41	4.49	2.81	1.28	1.36
17-21								1.77	.20
22-27								.21	.02
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 1535 1381 1594 1783 1208 1716 1599 1410 12226

STATION ERY 23 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	22.51	23.59	29.48	26.05	8.71	4.64	2.49	6.82	16.37
1-3	43.24	35.09	32.51	33.53	36.37	22.63	24.05	39.91	33.43
4-6	18.37	27.38	20.29	29.12	21.37	27.96	39.27	36.28	27.09
7-10	13.16	13.37	14.93	11.07	20.42	24.29	21.22	12.88	16.25
11-16	2.56	.57	2.67	.22	10.82	15.20	10.64	4.12	5.63
17-21	.15		.13		1.81	4.65	2.29		1.11
22-27					.46	.42	.03		.11
28-33					.03				.00
34-40									
41-47									
48-55									
>=56									

TOT 3358 2984 3864 4038 3261 3297 2931 2889 26622

STATION ERY 23 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	15.94	16.58	14.69	19.01	9.41	2.98	5.25	19.02	13.02
1-3	39.32	41.03	44.21	47.73	37.70	29.41	27.48	33.66	37.79
4-6	23.52	24.09	30.12	25.94	34.35	34.20	27.98	25.53	28.00
7-10	13.28	11.82	5.10	7.03	13.36	18.19	23.44	17.32	13.92
11-16	6.21	5.28	2.30	.29	6.04	12.42	12.66	4.28	6.05
17-21	1.60	1.12	.55		.15	1.89	2.13	.18	.95
22-27	.13	.07	.02			.86	.97		.25
28-33						.03	.08		.01
34-40									
41-47									
48-55									
>=56									

TOT 3945 4246 4173 3855 3377 3485 3806 3874 30761

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION ERY 23 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	16.93	19.70	15.81	15.83	16.38	15.11	11.43	13.07	15.59
1-3	47.39	50.26	56.14	51.20	49.82	39.64	36.22	33.76	46.87
4-6	18.79	16.65	15.22	20.11	18.59	21.13	27.09	21.05	19.81
7-10	8.72	5.70	6.72	8.34	8.61	12.48	8.25	11.30	8.73
11-16	4.75	5.72	4.88	4.01	3.54	6.77	8.67	5.59	5.51
17-21	1.83	1.93	1.21	.51	2.29	3.75	6.53	3.26	2.64
22-27	1.49	.04	.02		.27	1.12	1.58	1.67	.79
28-33	.06						.02	.32	.05
34-40									
41-47									
48-55									
>=56									

TOT 5035 4666 4612 4713 4147 4104 4567 4975 36819

STATION ERY 23 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	10.19	9.02	6.21	7.86	3.76	.23	.48	4.74	6.25
1-3	33.19	36.46	34.08	34.56	30.78	11.07	20.11	32.72	31.24
4-6	22.43	16.98	25.29	25.56	25.04	26.20	24.77	27.64	23.87
7-10	14.73	17.44	17.11	15.17	22.39	29.22	15.76	12.10	17.30
11-16	14.87	16.85	15.92	14.51	14.58	22.38	21.55	16.70	16.47
17-21	4.00	2.91	1.32	1.90	2.98	8.24	15.92	5.64	4.25
22-27	.59	.35	.04	.07	.45	2.65	1.39	.45	.60
28-33			.02	.04					.01
34-40					.03				.00
41-47									
48-55									
>=56									

TOT 4405 4611 4460 4569 3327 2149 1865 3545 28931

STATION ERY 23 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.26	1.33	1.32	3.67	.39	.58	.59	1.39	1.42
1-3	36.24	37.25	31.48	26.36	25.67	22.45	15.86	29.92	28.82
4-6	30.86	31.08	33.27	38.17	31.59	20.95	20.87	25.94	30.18
7-10	22.04	23.48	21.01	22.57	26.86	32.36	33.50	28.72	26.03
11-16	9.23	6.83	6.92	7.02	14.39	22.27	26.61	13.12	12.83
17-21	.34	.02		.22	.59	1.38	2.56	.83	.71
22-27	.02							.02	.01
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4365 4054 4174 4147 3704 3251 3713 4321 31729

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION ERY 23 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	7.55	13.99	17.83	11.45	4.18	.45	.35	1.20	7.20
1-3	47.00	44.37	42.60	50.36	37.66	28.91	17.47	29.32	37.47
4-6	23.36	20.67	19.08	21.49	27.28	28.11	33.51	34.03	25.93
7-10	13.70	14.62	12.29	9.46	17.42	20.95	26.14	21.66	16.94
11-16	8.31	6.34	8.04	6.95	12.21	19.40	20.05	11.91	11.46
17-21	.08		.16	.29	1.05	2.15	2.41	1.81	.97
22-27						.03	.06	.07	.02
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3985 3831 3669 3783 3611 3355 3566 4082 29882

STATION ERY 23 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.34	7.57	9.85	10.73	.32	.64	.35	2.62	4.82
1-3	35.42	30.57	32.95	37.57	15.94	15.68	16.49	20.34	25.97
4-6	21.04	21.09	25.03	19.59	33.30	31.69	30.55	29.88	26.36
7-10	21.12	26.00	22.57	23.27	26.52	22.56	23.52	25.14	23.81
11-16	16.75	14.61	9.56	8.45	14.18	11.61	11.79	13.75	12.98
17-21	.33	.17	.03	.32	6.51	9.87	10.15	6.89	4.12
22-27				.06	2.69	4.74	6.42	1.37	1.85
28-33					.02	.05	.66		.09
34-40									
41-47									
48-55									
>=56									

TOT 3594 3566 3420 3420 3116 3272 3172 3353 26915

STATION ERY 23 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	6.28	17.19	17.88	11.36	1.43	.20	.41	.97	6.49
1-3	58.51	60.30	56.50	51.92	21.54	16.79	19.62	29.75	38.27
4-6	30.14	17.38	17.72	23.24	40.99	38.35	32.45	41.44	30.78
7-10	5.00	4.34	6.58	10.82	26.84	29.50	28.34	21.16	17.19
11-16	.07	.78	1.32	2.66	8.75	13.95	17.07	6.58	6.75
17-21					.56	1.18	1.82	.09	.49
22-27						.03	.29		.04
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2820 2693 2594 2633 2869 3061 3140 3190 22990

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION ERY 23 JUN

	0000-0200	0300-0500	0500-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	3.57	9.76	11.67	15.60	3.31	1.04	.88	1.07	6.34
1-3	60.38	60.21	64.40	54.88	40.35	28.61	24.28	38.75	46.23
4-6	27.29	26.97	20.38	24.37	36.86	38.66	45.35	44.67	33.27
7-10	3.74	2.93	3.09	5.01	16.65	25.15	23.02	13.52	11.79
11-16	.02	.13	.47	.14	2.64	6.51	6.44	1.67	2.32
17-21						.04	.04	.27	.05
22-27								.04	.01
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2660 4690 4500 4333 4620 4824 4662 4844 37143

STATION ERY 23 JUL

	0000-0200	0300-0500	0500-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	18.93	19.01	19.45	11.14	1.30	1.35	1.75	3.53	9.44
1-3	61.72	60.75	67.44	70.41	43.12	30.74	30.12	38.70	49.84
4-6	18.69	19.07	12.11	17.68	43.41	45.06	41.18	44.69	30.66
7-10	.66	1.13	1.01	.77	10.92	18.52	20.88	11.93	8.41
11-16		.64			1.33	4.25	5.97	1.15	1.63
17-21					.02	.08	.10		.03
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 5029 4965 4576 4309 4752 4827 5024 5388 38870

STATION ERY 23 AUG

	0000-0200	0300-0500	0500-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	15.12	18.78	20.14	17.41	1.63	1.08	1.08	4.13	9.98
1-3	62.61	67.30	66.64	63.60	49.43	34.41	24.36	56.99	53.54
4-6	21.22	13.80	13.17	18.48	39.74	42.10	43.41	33.07	27.93
7-10	1.01	.09	.06	.48	9.93	19.76	25.08	5.02	7.34
11-16	.03	.03		.33	.27	2.66	5.90	.75	1.18
17-21							.16	.03	.02
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3068 3269 3213 2912 3002 2860 3066 3583 24973

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION TWL 26 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

STATION TWL 26 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

STATION TWL 26 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION TWL 26 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	0	0	0	0	0	0	0	0	0
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STATION TWL 26 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	0	0	0	0	0	0	0	0	0
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STATION TWL 26 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM							.93	.56	.26
1-3	51.40	8.11	1.11	6.67	20.83	32.93	63.89	32.22	29.67
4-6	48.60	90.99	89.44	92.22	77.50	42.07	19.91	52.60	60.20
7-10		.90	9.44	1.11	1.67	18.90	14.81	14.72	9.14
11-16						6.10	.46		.73
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT	179	111	180	180	120	164	216	360	1510
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PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
BY TIME OF DAY(GMT)

STATION TWL 26 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.62	7.56	9.25	6.67	5.82	2.32	.15	.16	4.43
1-3	29.39	33.59	34.70	40.95	31.10	20.01	14.14	12.83	27.54
4-6	36.74	31.11	33.37	33.92	32.01	31.33	28.99	36.03	33.08
7-10	25.32	19.99	12.65	9.66	10.48	23.69	31.14	35.39	21.62
11-16	6.71	7.48	9.35	8.49	11.37	17.50	21.66	14.44	11.82
17-21	.15	.26	.69	.32	1.65	4.90	3.71	1.13	1.46
22-27					.06	.26	.15	.03	.06
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3933 3876 3764 3780 3386 3023 3211 3719 28692

STATION TWL 26 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	2.41	2.30	3.83	5.15	1.68	1.40	1.11	1.60	2.40
1-3	19.62	12.94	28.00	29.52	19.02	22.57	15.55	18.00	20.32
4-6	35.09	43.94	38.04	33.65	22.68	20.56	23.96	26.22	30.48
7-10	33.41	31.96	25.13	21.95	22.92	21.83	26.37	30.82	26.99
11-16	10.04	8.86	5.00	7.87	24.76	21.78	20.56	17.58	14.63
17-21	.04			1.82	8.35	9.93	9.35	5.14	4.36
22-27	.09			.05	.34	1.92	3.21	.59	.79
28-33					.05		.09	.04	.02
34-40	.04								.01
41-47									
48-55									
>=56									

TOT 2320 2303 2061 1982 2072 2286 2245 2372 17641

STATION TWL 26 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	13.02	7.99	1.42	2.84	1.03	.17	.67	6.44	4.21
1-3	22.09	39.79	46.35	38.65	14.22	9.31	11.52	8.05	23.36
4-6	45.69	38.52	37.05	41.28	33.12	33.39	23.61	36.17	36.05
7-10	18.73	11.85	12.29	13.36	36.52	37.20	32.96	38.72	26.23
11-16	.47	1.65	2.78	3.75	14.33	18.45	21.88	10.12	9.38
17-21			.10	.11	.52	1.39	3.20	.50	.73
22-27						.10	.17		.03
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 2979 2978 2880 2851 3095 3019 3003 3182 23987

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION TNL 26 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	5.72	2.85	3.06	4.03	.50	.37	.14	2.34	2.35
1-3	33.56	37.30	51.50	49.22	33.93	19.83	12.60	19.90	31.95
4-6	44.33	47.87	35.30	32.69	32.72	31.67	36.25	44.01	38.08
7-10	14.41	10.14	7.48	10.42	22.77	33.01	34.47	29.17	20.43
11-16	1.96	1.83	2.67	3.58	10.44	15.01	15.36	4.33	6.96
17-21	.02			.06	.23	.10	1.13	.22	.22
22-27							.04	.04	.01
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	5039	4978	4680	4693	5152	5077	4888	5081	39588

STATION TNL 25 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	6.33	8.62	3.95	1.70	.52	1.78	.35	2.09	3.18
1-3	41.45	34.03	46.70	55.49	31.99	21.02	17.16	24.49	33.91
4-6	47.19	47.30	41.10	39.41	49.51	41.66	35.60	42.37	43.08
7-10	4.94	9.83	9.02	3.33	16.36	27.64	36.23	27.77	16.84
11-16	.09	.22	.19	.07	1.62	7.80	10.32	3.28	2.94
17-21						.10	.28		.65
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	3240	3235	3180	3060	3276	3140	3171	3356	25658

STATION TNL 26 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	4.18	6.70	4.57	2.47	1.40	.96	.67	1.88	2.84
1-3	39.89	49.73	58.55	63.87	39.30	26.31	22.05	35.35	42.04
4-6	46.51	42.15	36.23	31.45	45.90	40.53	37.73	50.33	41.51
7-10	9.39	1.43	.65	2.21	13.12	28.24	33.59	11.28	12.23
11-16	.03				.28	3.95	5.88	1.14	1.37
17-21							.07	.03	.01
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	2898	3151	3240	3164	3276	3010	2692	3680	25351

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION TWH 28 SEP

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

STATION TWH 28 OCT

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

STATION TWH 28 NOV

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									
TOT	0	0	0	0	0	0	0	0	0

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION TWH 28 DEC

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM									
1-3									
4-6									
7-10									
11-16									
17-21									
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 0 0 0 0 0 0 0 0 0

STATION TWH 28 JAN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM				1.11	.60	.77			.32
1-3	.71	2.87	2.64	11.46	13.42	16.92	.90	1.11	6.09
4-6	16.33	15.48	16.16	14.80	22.66	17.54	23.99	27.08	18.90
7-10	32.16	33.73	52.60	43.20	31.31	32.15	34.08	43.53	39.03
11-16	42.84	43.00	26.63	23.15	27.63	24.31	26.23	18.68	29.12
17-21	7.86	4.36	1.81	3.82	3.98	8.15	13.23	7.54	5.57
22-27	.10	.46	.16	1.03	.10	.15	1.57	2.06	.69
28-33		.09		.80	.30				.18
34-40				.40					.06
41-47				.24					.04
48-55									
>=56									

TOT 992 1079 1213 1257 1006 650 446 1167 7810

STATION TWH 28 FEB

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM		.03	.06	1.76	2.92	1.79	.03	.03	.77
1-3	7.57	8.54	11.47	15.92	16.33	13.30	13.39	10.37	11.95
4-6	36.00	31.10	29.93	24.50	22.47	22.91	14.07	26.91	26.48
7-10	29.10	29.80	35.10	36.90	32.63	28.34	27.63	28.62	31.15
11-16	17.93	27.24	21.25	16.62	20.23	26.45	34.85	26.88	23.60
17-21	6.42	3.14	2.18	3.91	5.26	5.83	8.78	6.31	5.14
22-27	2.48	.14		.39	.16	1.38	1.25	.88	.83
28-33	.48								.07
34-40	.03								.00
41-47									
48-55									
>=56									

TOT 3753 3466 3618 3580 3080 2745 2950 3519 26711

PERCENTAGE FREQUENCY OF
WIND SPEED(KNOTS)
WITH TIME OF DAY(GMT)

STATION TWH 28 MAR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.36	.39	1.45	.48	2.78	.12	.37	1.12	.89
1-3	14.40	25.30	23.45	19.92	21.22	17.79	9.15	4.85	17.03
4-6	33.37	29.52	32.02	38.03	25.93	28.27	26.61	27.80	30.68
7-10	34.51	27.84	24.97	26.84	27.13	26.39	30.63	39.30	29.84
11-16	16.61	14.72	15.01	11.97	14.15	17.44	24.14	22.55	17.01
17-21	.75	2.10	2.87	2.58	5.06	8.06	7.68	4.05	3.99
22-27		.12	.23	.18	.73	1.93	1.42	.25	.56
28-33								.02	.00
34-40									
41-47									
48-55									
>=56									

TOT 4112 4055 3944 3960 3575 3361 3529 4079 30715

STATION TWH 28 APR

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.08	.84	.20	.53		.06	.13	.36	.28
1-3	10.92	10.29	8.65	11.35	10.97	9.84	9.00	12.31	10.42
4-6	22.56	21.45	29.77	38.57	24.12	22.81	19.80	15.06	24.32
7-10	36.17	36.37	39.74	30.41	30.53	30.08	25.61	37.89	33.72
11-16	25.81	28.35	20.67	15.44	22.90	20.91	24.79	25.28	23.06
17-21	3.65	2.58	1.84	2.98	8.85	11.22	10.14	7.10	5.91
22-27	.81	.11	.12	.73	2.53	4.66	.57	1.95	2.11
28-33					.10	.40	.98	.02	.18
34-40								.03	.00
41-47									
48-55									
>=56									

TOT 3591 3566 3420 3420 3118 3271 3167 3339 26892

STATION TWH 28 MAY

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.70	2.02	.86	2.07	.45			.43	.81
1-3	14.82	22.17	23.83	21.18	10.06	5.21	7.20	6.33	13.36
4-6	37.54	37.37	45.65	39.16	20.84	21.28	21.98	24.93	30.94
7-10	42.03	31.64	23.70	27.01	38.04	41.82	35.24	45.44	35.70
11-16	4.91	6.48	8.09	9.81	27.02	26.34	27.12	20.71	16.48
17-21		.31	.83	.75	3.49	4.62	7.08	2.08	2.43
22-27			.03	.03	.09	.65	1.25	.06	.27
28-33						.06	.12		.02
34-40									
41-47									
48-55									
>=56									

TOT 3157 3211 3240 3192 3320 3223 3348 3457 28148

PERCENTAGE FREQUENCY OF
WIND SPEED (KNOTS)
WITH TIME OF DAY (GMT)

STATION TWH 28 JUN

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	.40	.86	1.31	2.56	1.82	.40	.24	.23	.94
1-3	14.67	12.87	21.29	24.56	20.85	13.00	8.00	6.70	15.36
4-6	43.81	42.17	43.94	39.26	31.97	26.65	29.06	40.38	37.31
7-10	30.75	39.23	27.35	26.31	26.16	34.65	36.88	38.95	32.74
11-16	7.99	4.86	6.00	7.05	18.07	24.00	23.47	10.32	12.90
17-21	.34		.11	.26	1.09	1.30	2.27	.31	.72
22-27					.04		.08	.08	.03
28-33								.02	.00
34-40									
41-47									
48-55									
>=56									

TOT 4970 4894 4650 4299 4848 5062 5027 5183 38913

STATION TWH 28 JUL

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.39	3.68	2.10	4.52	1.88	1.45	2.10	1.12	2.23
1-3	17.09	12.32	11.11	20.13	19.73	13.05	12.09	10.38	14.54
4-6	44.65	41.22	53.45	55.02	46.76	40.30	31.17	35.93	43.27
7-10	36.18	37.61	30.80	18.70	27.27	32.54	35.22	44.04	33.12
11-16	.69	4.08	2.54	.84	4.30	11.79	17.77	8.52	6.51
17-21		.09			.06	.87	1.64		.34
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 4475 4408 4088 3920 4679 4606 4565 4834 35575

STATION TWH 28 AUG

	0000-0200	0300-0500	0600-0800	0900-1100	1200-1400	1500-1700	1800-2000	2100-2300	TOT
CALM	1.88	4.22	4.27	2.63	.89	.57	.23	.99	1.97
1-3	24.61	26.53	27.05	25.88	26.28	19.95	17.11	20.16	23.50
4-6	41.41	42.16	47.11	53.01	43.95	34.10	29.36	48.19	42.74
7-10	28.93	27.06	21.21	18.45	27.67	35.30	40.68	26.77	28.02
11-16	3.17	.03	.36	.03	1.22	9.96	11.82	3.59	3.62
17-21						.13	.80	.30	.15
22-27									
28-33									
34-40									
41-47									
48-55									
>=56									

TOT 3031 3219 3305 3273 3372 3003 3004 3650 25857

6. BIVARIATE PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

This section contains the bivariate percentage frequency distribution of wind direction in 10° increments versus wind speed (knots) in eleven wind speed classes from 1 to equal to or greater than 56 knots. Percentages are shown by wind direction and wind speed. Mean wind speeds with each direction class are given, and in addition a mean wind speed for the month is calculated. Percentages are shown for each month of the twelve-month study, together with a twelve-month distribution. The total number of one-minute observations in each table is shown at the lower right.

STATION	PLM	3	MONTHLY		SEP										TOT	AVE SPD
	CALM	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD		
0-9		.13	.66	.59	.40	1.38	1.08						5.03	15.41		
10-19		.11	.25	.57	.34	.57	.67						2.49	14.69		
20-29		.10	.29	.29	.37	.55	.16						1.79	13.05		
30-39		.08	.27	.06	.22	.37	.02						1.02	12.01		
40-49		.03	.25	.09	.18	.13							.67	10.40		
50-55		.01	.18	.24	.28	.07							.77	10.40		
60-69		.01	.19	.39	.27	.01							.86	3.78		
70-79		.02	.22	.71	.10								1.13	7.61		
80-89		.03	.39	.81	.04								1.27	7.04		
90-99		.05	.42	1.19	.13								1.70	7.62		
100-109		.11	.34	.89	.11								1.45	7.52		
110-119		.34	.26	.53	.09								1.28	6.42		
120-129		.27	.28	.97	.22								1.74	7.37		
130-139		.23	.70	.73	.12								1.78	6.45		
140-149		.27	1.04	.74	.06								2.10	5.94		
150-159		.33	1.32	.95	.15								2.80	5.96		
160-169		.66	1.00	.92	.25	.01							3.84	5.68		
170-179		1.06	2.13	.41	.13	.01							3.74	4.75		
180-189		2.07	1.70	.26	.46	.11							4.62	5.08		
190-199		2.77	2.57	1.04	.80	.19	.01						7.38	5.62		
200-209		1.70	3.01	1.69	.23	.04							6.66	5.43		
210-219		.98	2.36	2.66	.41								6.42	6.37		
220-229		.99	2.21	2.53	.18	.01							5.91	6.12		
230-239		.48	1.07	2.44	.19								4.18	6.80		
240-249		.39	.55	1.25	.11								2.31	6.60		
250-259		.46	.43	.68	.03								1.78	6.02		
260-269		.35	.66	.39	.03								1.44	5.34		
270-279		.41	1.37	.56	.19	.05							2.28	6.21		
280-289		.43	1.33	1.25	.60	.03							3.42	7.50		
290-299		.36	1.36	1.30	1.13	.24	.01						4.37	8.50		
300-309		.17	.90	.57	.56	.18	.04						2.31	8.75		
310-319		.32	.55	.17	.11	.06	.01						1.15	5.93		
320-329		.35	.92	.17	.04	.01							1.55	4.67		
330-339		.17	.96	.13	.01</											

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	PLM	3	MONTHLY			OCT								TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.18	.15	.17	.07	.59	.10						1.26	13.68	
10-19		.16	.07	.19	.06	.19	.02						.68	10.47	
20-29		.73	1.38	.88	.14	.39	.04						3.55	7.23	
30-39		.19	.15	.56	.23	.80	.06						2.01	12.69	
40-49		.27	.24	.07	.20	.46	.01						1.25	11.32	
50-59		.31	.22	.02	.16	.06	.00						.77	7.02	
60-69		.47	.47	.06	.37	.02	.01						1.39	6.52	
70-79		.35	.45	.12	.27	.00							1.20	6.08	
80-89		.12	.64	.21	.01								.99	5.34	
90-99		.07	.33	.35	.00								.75	6.24	
100-109		.09	.25	.35	.00								.71	6.38	
110-119		.19	.57	.32									1.08	5.22	
120-129		.13	.63	.57	.02								1.35	5.92	
130-139		.15	.32	.52	.08								1.07	6.60	
140-149		.19	.44	.28	.05								.96	5.74	
150-159		.29	.57	.33	.05								1.29	5.66	
160-169		.50	.63	.64	.06								1.83	5.46	
170-179		.67	1.03	.90	.11	.00							2.71	5.60	
180-189		.97	1.40	1.05	.29	.00							3.71	5.74	
190-199		1.40	1.70	1.90	.91	.03							5.94	6.62	
200-209		1.05	1.13	1.56	.79	.02							4.54	6.77	
210-219		.86	1.23	1.32	.77	.02							4.20	6.98	
220-229		.87	1.69	1.27	.74	.02							4.59	6.57	
230-239		.71	1.36	.81	.81	.12	.00						3.82	7.35	
240-249		.59	1.11	.94	.87	.14	.02						3.66	7.83	
250-259		.84	1.54	1.33	.89	.27	.38						4.86	7.79	
260-269		1.04	1.57	1.28	.83	.33	.11						5.16	7.80	
270-279		.74	1.31	1.65	.95	.53	.13		.00				5.51	8.88	
280-289		.45	1.03	1.97	2.29	.70	.21	.01	.00				6.66	10.61	
290-299		.40	.94	1.44	2.67	.63	.26	.03					6.37	11.10	
300-309		.27	1.33	1.48	1.35	.24	.22	.03					4.92	9.60	
310-319		.31	.84	.98	.33	.08	.02						2.56	7.53	
320-329		.39	1.11	.84	.21	.01							2.56	6.38	
330-339		.39	.95	.56	.40	.02							2.30	6.91	
340-349		.20	.28	.16	.35	.12	.00						1.12	9.26	
350-359		.17	.25	.16	.20	.35	.07						1.20	11.66	
CALM	1.44												1.44		
TOT	1.44	16.71	29.33	27.50	17.45	6.15	1.35	.07	.01				100.00	7.97	

25684

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

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STATION	PLM	3	MONTHLY										DEC		TOT	AVE SPD
		CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9			.01	.23	.08	.51	.27	.05						1.14	13.18	
10-19			.03	.17	.01	.34	.05							.60	11.06	
20-29			.06	.07	.01	.63	.33							1.10	13.86	
30-39			.01		.01	.55	.38							.96	15.32	
40-49			.02	.02	.01	.50	.67	.14						1.38	16.84	
50-59			.05	.02	.01	.40	.86	.37	.02					1.73	18.23	
60-69			.06	.01		.25	.61	.75	.06					1.73	20.37	
70-79			.05	.03	.01	.12	.11	.20	.07					.60	18.45	
80-89			.11	.05	.06	.06	.01							.28	6.48	
90-99			.06	.02	.18	.15	.01							.42	9.17	
100-109																
110-119																
120-129					.01									.01	6.50	
130-139			.01											.01	1.20	
140-149																
150-159					.01									.01	9.80	
160-169			.03			.01								.05	4.52	
170-179			.25	.05	.03	.01								.34	3.38	
180-189			.86	.35	.22	.11								1.54	4.37	
190-199			1.20	1.19	.51	.63	.02							3.55	5.88	
200-209			1.09	1.32	.54	.08								3.03	4.47	
210-219			1.22	1.62	1.87	.42	.01							5.14	5.89	
220-229			1.03	1.13	.98	.05	.05	.02		.01				3.27	5.45	
230-239			1.18	.35	.37	.07	.26	.20	.07					2.50	7.94	
240-249			1.01	.22	.11	.18	.66	.89	.22	.07				3.35	14.56	
250-259			.76	.12	.14	.50	1.52	.60	.06	.01	.01			3.71	15.04	
260-269			1.13	.31	.19	.55	1.51	1.32	.24	.08	.05	.05		5.42	16.19	
270-279			1.67	.84	.40	.66	1.70	2.08	1.00	.20	.11	.05	.01	8.71	16.91	
280-289			2.18	1.15	.70	1.03	1.39	1.18	.60	.09	.07	.08	.01	8.40	13.20	
290-299			2.04	1.32	.57	.83	.57	.26	.10	.03	.02			5.74	8.20	
300-309			1.29	1.70	.65	.78	.27	.15	.03	.01				4.88	7.34	
310-319			.77	2.21	1.20	1.27	.49	.24	.11	.01				6.29	9.11	
320-329			.45	1.47	2.32	2.22	1.01	.54	.14	.01				8.16	11.40	
330-339			.41	.87	2.09	2.61	.94	.52	.19	.03				7.67	12.36	
340-349			.22	.29	.74	1.09	.46	.38	.12	.03				3.34	13.75	
350-359			.18	.50	.65	.66	.50	.15	.01					2.64	11.60	
CALM		2.32												2.32		
TOT		2.32	19.43	17.63	14.68	17.26	14.55	10.05	3.03	.60	.26	.17	.02	100.00	11.39	
													8837			

8837

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION PLM 3	MONTHLY	JAN														
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD		
0-9			.14	.96	1.22	1.20	1.72	.01					5.25	16.81		
10-19		.01	.01	.42	1.31	1.00	.97	.11					3.83	17.45		
20-29			.01	.20	1.29	.71	.11	.01					2.31	15.14		
30-39		.02		.10	.48	.20	.01						.82	14.35		
40-49		.01		.04	.08								.13	11.80		
50-59				.01									.01	7.35		
60-69																
70-79																
80-89																
90-99																
100-109			.01										.01	5.00		
110-119			.18	.07	.03								.28	6.90		
120-129			.42	.54	.32	.04							1.31	8.85		
130-139		.04	.32	1.01	.75	.07							2.19	9.70		
140-149		.11	.39	1.06	.35								1.91	8.12		
150-159		.24	.95	.77	.11								2.06	6.23		
160-169		.30	1.07	.71	.01								2.08	5.72		
170-179		.48	1.08	.26									1.82	4.83		
180-189		.81	2.03	.51	.01								3.36	4.79		
190-199		1.66	4.13	.89	.15	.01							6.84	4.75		
200-209		.88	3.77	1.02	1.70	.23							7.60	7.30		
210-219		.73	2.92	2.75	1.32	.17							7.89	7.44		
220-229		.81	2.21	2.94	1.24	.06							7.26	7.44		
230-239		.73	1.48	1.22	1.64	.12							5.19	8.10		
240-249		.42	.75	.49	.64	.29	.04						2.63	8.82		
250-259		.48	.69	.70	.53	.81	.19						3.39	10.82		
260-269		.43	.71	1.31	1.30	.88	.30	.01					4.94	11.33		
270-279		.38	.55	1.53	1.50	.57	.35	.03	.01	.01			4.92	11.53		
280-289		.50	.87	2.02	2.71	1.22	1.21	.39	.03				8.94	13.76		
290-299		.47	1.01	1.04	1.76	1.59	1.89	.51	.03				8.29	15.76		
300-309		.14	.47	.27	.44	.25	.29	.05					1.91	12.37		
310-319		.07	.25		.01		.02						.36	5.33		
320-329		.05	.16		.01								.22	4.42		
330-339		.03	.07	.01		.01							.11	5.19		
340-349		.02	.05			.01							.08	6.44		
350-359		.06	.17	.11	.04	.28	.28						.94	15.17		
CALM	1.09												1.09			
TOT	1.09	9.88	26.90	22.95	20.93	9.71	7.37	1.12	.06	.01			100.00	10.29		

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STATION	PLM	3	MONTHLY			FEB													TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63		TOT	AVE SPD					
0-9		.08	.44	.41	.67	.09	.18	.01					1.88	11.06						
10-19		.08	.16	.04	.12	.02	.01						.43	7.91						
20-29		.11	.15	.02	.02								.31	4.64						
30-39		.09	.21	.16									.46	5.30						
40-49		.09	.16	.23	.01								.49	6.10						
50-59		.06	.13	.19	.08								.45	7.22						
60-69		.11	.12	.10	.21	.16	.01						.71	10.73						
70-79		.13	.06	.12	.26	.26	.02						.86	12.30						
80-89		.09	.02	.20	.06	.00							.38	7.70						
90-99		.05	.00	.03	.02	.00							.11	6.45						
100-109		.05		.01									.06	3.16						
110-119		.09	.12	.12	.00								.33	5.48						
120-129		.07	.36	.28	.04	.09	.03						.87	8.37						
130-139		.13	.43	.34	.27	.27	.07						1.51	10.35						
140-149		.22	1.00	.27	.40	.12	.03						2.04	7.82						
150-159		.33	1.53	.35	.31	.07	.01						2.59	6.55						
160-169		.33	1.33	.44	.34	.03							1.47	6.45						
170-179		.26	.58	.30	.08								1.02	5.39						
180-189		.48	.87	.37	.02								.4	4.7						
190-199		.48	1.37	1.22	.09								.4	5.5						
200-209		.20	.62	1.86	.17								2.89	7.38						
210-219		.16	.41	1.61	.55	.02							2.78	8.51						
220-229		.06	.39	1.49	.69	.09							2.02	9.23						
230-239		.02	.53	1.37	.94	.07	.00						2.95	9.53						
240-249			.26	1.37	1.40	.16	.03						3.22	10.79						
250-259		.01	.37	1.10	1.04	.17	.02						2.72	10.45						
260-269		.05	.58	1.33	2.16	.66	.05	.00					4.84	11.55						
270-279		.07	.72	1.81	3.69	1.20	.13						7.61	12.13						
280-289		.11	.79	2.50	5.36	1.67	.40						10.83	12.59						
290-299		.19	.96	2.12	3.74	1.35	.20	.01					8.48	12.06						
300-309		.09	1.10	1.18	1.52	.35	.02						4.26	9.94						
310-319		.08	1.25	.89	.83	.11	.01						3.17	8.45						
320-329		.12	1.18	1.52	1.67	1.12	.16						5.77	11.39						
330-3																				

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	PLM	3	MONTHLY			MAR								TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.86	.97	2.05	2.72	.72	1.26	.83	.02				9.44	13.92	
10-19		.57	.74	1.01	1.27	.32	.40	.29	.00				4.61	11.94	
20-29		.47	.67	.88	1.25	.05	.94	.01					3.36	8.55	
30-39		.40	.79	.94	1.33	.02							3.48	8.57	
40-49		.38	.61	.83	.03	.01							2.65	8.14	
50-59		.13	.62	.72	.37								2.04	6.94	
60-69		.56	.92	.48	.05								2.01	5.15	
70-79		.38	.82	.17									1.30	4.44	
80-89		.42	.73	.64	.01								1.80	5.29	
90-99		.31	.48	1.24	.16								2.19	6.89	
100-109		.45	.43	.35	.04								1.76	5.83	
110-119		.39	.86	.98	.08								2.32	6.12	
120-129		.40	1.24	.54	.07								2.25	5.37	
130-139		.33	.52	.34	.05								1.24	5.22	
140-149		.28	.32	.11	.00								.72	4.23	
150-159		.26	.25	.06									.57	3.89	
160-169		.25	.25	.02									.52	3.77	
170-179		.25	.25	.02									.52	3.69	
180-189		.30	.24	.02									.56	3.54	
190-199		.36	.48	.14									.98	4.31	
200-209		.20	.55	.37	.08	.01							1.33	5.80	
210-219		.30	.42	.34	.26	.06	.00						1.38	7.27	
220-229		.44	.53	.31	.72	.09	.01						2.09	8.01	
230-239		.52	.87	.43	1.49	.16	.01						3.48	9.08	
240-249		.34	1.07	.54	1.13	.44	.01						3.53	9.54	
250-259		.24	.76	.47	1.30	.39	.02						3.18	10.33	
260-269		.32	.93	.30	1.88	.26	.01						3.91	10.09	
270-279		.36	1.14	.55	1.75	.41	.10	.00					4.31	10.33	
280-289		.39	1.04	.57	1.69	.55	.24	.02					4.91	10.85	
290-299		.44	1.00	1.75	1.37	.44	.33	.01					5.35	10.23	
300-309		.63	.64	1.22	.62	.13	.11	.02					3.39	8.46	
310-319		.77	.56	.47	.25		.01						2.06	5.66	
320-329		.47	.72	1.07	.05								2.31	5.88	
330-339		.30	.93	.79	.02	.09	.02						2.15	6.46	
340-349		.46	1.02	.61	.13	.71	.30						3.23	10.30	
350-359		.64	1.29	1.24	2.13	1.19	1.76	.22	.00				6.47	13.99	
CALM	.54												.54		
TOT	.54	14.89	25.65	22.05	23.13	6.06	4.66	1.39	.02				100.00	9.39	
28340															

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STATION	PLM	3	MONTHLY			APR													TOT	AVE	SPC
	CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56								
0-9		.08	.53	1.78	.87	.19								3.45	9.32						
10-19		.07	.49	1.20	.88	.00								2.65	8.84						
20-29		.10	.54	.50	.73		.00							1.88	8.65						
30-39		.07	.50	.43	.38	.04	.02							1.45	8.48						
40-49		.13	.56	.36	.47	.37	.28		.02					2.19	11.92						
50-59		.22	.67	.53	.59	.82	.15	.02						3.00	11.85						
60-69		.26	.83	.69	.76	.43	.28	.02						3.26	10.86						
70-79		.15	.49	.18	.31	.29	.06	.01						1.49	10.55						
80-89		.14	.42	.16	.07	.11	.00							.90	7.51						
90-99		.11	.49	.57	.13	.31	.05							1.71	9.88						
100-109		.13	.43	1.46	.42	.04	.00							2.49	8.41						
110-119		.20	.32	1.72	.66	.00								2.90	8.56						
120-129		.28	.40	1.08	.62	.00								2.38	8.15						
130-139		.35	.68	.63	.28									1.95	6.59						
140-149		.31	.73	.45	.11			.00						1.60	5.94						
150-159		.24	.87	.48	.04									1.62	5.61						
160-169		.16	.84	.77	.10									1.87	6.36						
170-179		.20	.72	.53	.04									1.50	5.87						
180-189		.52	.62	.10	.02									1.26	4.14						
190-199		.71	.89	.58	.20									2.38	5.57						
200-209		.26	1.16	1.57	.90	.04								3.92	7.93						
210-219		.16	.95	1.67	1.45	.03								4.26	8.93						
220-229		.16	.99	1.81	1.42	.05	.00							4.45	8.75						
230-239		.15	1.52	1.34	2.06	.40	.03	.00						5.50	9.84						
240-249		.08	1.47	1.50	1.15	.62	.18	.01						5.01	10.31						
250-259		.11	.70	1.15	1.61	.53	.08	.00						5.36	13.50						
260-269		.07	.31	1.07	1.64	1.45	.81	.12						5.47	15.16						
270-279		.11	.36	.91	1.15	1.43	.85	.06						4.87	15.22						
280-289		.09	.81	.71	.79	1.25	.65	.09	.00					4.40	14.37						
290-299		.16	.59	.48	.72	.69	.30	.04	.00					2.98	12.79						
300-309		.13	.37	1.00	1.08	.12	.04	.00						2.74	10.02						
310-319		.11	.49	1.62	.46	.00	.00							2.70	8.04						
320-329		.07	.67	1.05	.43									2.23	8.08						
330-339		.13	.35	.61	.10									1.18	7.12						
340-349		.09	.53	.46	.08									1.17	6.56						
350-359		.07	.40	.89	.30									1.65	7.80						
CALM		.18												.18							
TOT		.18	6.38	23.70	32.05	23.07	9.90	4.24	.46	.01				100.00	10.17						
														25075							

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	PLM	3	MONTHLY			MAY								TOT	AVE SPD
		CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56		
0-9			.42	.33	.84	.66								2.25	7.83
10-19			.33	.19	.88	.58								1.97	8.25
20-29			.36	.32	.87	1.15								2.69	9.03
30-39			.30	.34	.95	2.32	.00							3.91	9.99
40-49			.26	.20	.52	1.96	.11	.08						3.14	10.86
50-59			.19	.33	.22	.96	.24	.42	.01					2.37	12.99
60-69			.31	.64	.30	.13	.27	.29	.02					1.96	10.74
70-79			.23	.90	.54	.38	.49	.07						2.60	9.73
80-89			.25	1.06	1.09	.62	.28	.06						3.36	8.87
90-99			.34	1.09	1.95	.58	.10	.02						4.08	7.91
100-109			.16	1.13	1.47	1.57	.08							4.41	9.18
110-119			.21	1.55	1.72	1.06								4.56	7.87
120-129			.13	.99	1.53	.74								3.39	7.99
130-139			.13	.66	1.33	.46								2.59	7.81
140-149			.21	.83	1.11	.11								2.25	6.59
150-159			.27	.95	.88	.07								2.16	5.99
160-169			.37	1.15	.73	.07								2.32	5.66
170-179			.52	1.09	.54	.14								2.29	5.51
180-189			.51	1.13	.50	.18	.00							2.32	5.48
190-199			.51	1.04	.70	.24	.00	.00						2.50	6.06
200-209			.36	.91	1.06	.56	.05	.01						2.95	7.51
210-219			.35	1.30	1.61	1.35	.10	.04						4.76	8.54
220-229			.26	.97	1.29	1.48	.25	.03	.01					4.29	9.59
230-239			.28	.87	1.26	1.63	.40	.04	.00					4.49	10.22
240-249			.21	1.39	1.20	2.07	.46	.03	.02					5.38	10.05
250-259			.24	.91	.95	1.68	.36	.01						4.16	10.17
260-269			.25	.68	.75	.71	.26	.03						2.68	9.23
270-279			.40	.53	.57	.72	.16	.04	.01					2.43	9.08
280-289			.44	.42	.67	1.10	.15	.01						2.79	9.49
290-299			.40	.44	.64	1.23	.25	.01						2.97	10.03
300-309			.31	.52	.37	.51	.21	.01						1.93	9.00
310-319			.40	.18	.04	.03	.06	.01						.71	5.30
320-329			.45	.21	.00		.00							.67	3.14
330-339			.27	.31	.09									.67	3.91
340-349			.21	.13	.09	.02								.43	4.17
350-359			.24	.14	.39	.35								1.13	7.74
CALM		.45												.45	
TOT		.45	11.09	25.81	29.66	27.42	4.29	1.21	.07					100.00	8.82
													26126		

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION FLE 3 MONTHLY 1954

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-9	.27	.57	.68	.79	.47		.01						2.88	10.04
10-19	.18	.42	.28	.93	.39			.00					2.20	11.26
20-29	.13	.42	.65	.57	1.05		.02						3.03	12.15
30-39	.12	.33	.42	.19	.26		.00						1.33	9.84
40-49	.10	.30	.23	.12	.10		.00						1.01	7.91
50-59	.11	.65	.01	.13	.05								1.27	7.19
60-69	.13	.00	.01	.05	.01								1.27	6.06
70-79	.12	.34	.01	.10	.04								.90	6.84
80-89	.10	.33	.01	.16	.04								.82	7.93
90-99	.12	.49	.24	.14	.05								1.03	7.31
100-109	.22	.53	.74	.32	.02								1.83	7.55
110-119	.27	.65	1.55	.70	.03								3.49	8.36
120-129	.31	1.06	3.40	.41	.01								5.39	8.39
130-139	.24	.85	2.12	.69	.03								5.01	9.07
140-149	.30	.65	1.24	.15	.01								3.36	8.78
150-159	.23	.45	.01	.01	.01								2.26	8.35
160-169	.22	.42	.01	.05	.10								2.68	9.61
170-179	.19	.56	.40	.30	.06								3.13	9.78
180-189	.23	.54	.12	.04	.02								2.15	8.23
190-199	.26	1.15	.24	.45	.01								3.11	7.14
200-209	.27	1.55	1.64	.35									3.80	6.88
210-219	.22	1.41	2.24	.44	.01								4.31	7.29
220-229	.16	1.29	2.51	.55									4.28	7.54
230-239	.15	1.10	1.83	.61	.01								4.67	7.77
240-249	.16	.86	2.57	1.09	.00								4.81	8.43
250-259	.16	.50	1.20	.12	.00								3.70	5.05
260-269	.21	.28	.01	.46	.12		.01						3.77	9.83
270-279	.15	.16	.01	.01	.22		.01						3.67	10.60
280-289	.14	.11	.01	.01	.27		.02						2.93	10.91
290-299	.08	.10	.04	.01	.25		.01						2.11	11.06
300-309	.09	.16	.01	.03	.10		.01						1.76	10.58
310-319	.09	.23	.04	.55	.12		.02						1.57	10.34
320-329	.07	.15	.01	.85	.04		.05	.01					1.78	12.29
330-339	.14	.22	.04	.96	.35		.58	.01					2.15	12.24
340-349	.13	.30	.04	.07	.45		.10	.01					2.52	12.10
350-359	.14	.73	.83	.54	.37		.05						2.70	9.91
CALM	.29												.29	
TOT	.29	5.34	26.8	40.00	18.53	5.53	.43	.02					100.00	9.26

35580

STATION	PLM	3	MONTHLY		JUL												TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56						
0-9		.05	.53	1.45	.24								2.36	8.03				
10-19		.22	.82	.37	.14								1.55	5.88				
20-29		.19	.49	.13	.04								.85	5.02				
30-39		.13	.49	.08	.00								.74	4.48				
40-49		.20	.53	.16									.99	4.71				
50-59		.20	.78	.27									1.24	4.99				
60-69		.29	1.01	.18									1.47	4.61				
70-79		.36	.69	.21									1.20	4.64				
80-89		.23	.44	.18	.00								.86	4.91				
90-99		.10	.44	.13									.67	5.29				
100-109		.09	.70	.51									1.30	5.93				
110-119		.20	.94	.82	.01								1.97	6.04				
120-129		.30	.99	1.84	.22								3.34	7.06				
130-139		.23	.79	1.91	.32	.60							3.16	7.40				
140-149		.27	.62	.96	.07								1.86	6.51				
150-159		.41	.98	.62	.06								2.05	5.52				
160-169		.51	1.71	.90	.13	.00							3.26	5.76				
170-179		.49	2.13	1.25	.12								4.01	5.80				
180-189		.73	2.47	1.13	.10								4.41	5.43				
190-199		1.14	3.23	2.07	.25	.01							6.76	5.68				
200-209		1.40	3.14	2.64	.61	.62							7.81	6.17				
210-219		.96	2.79	2.41	.67	.04							7.00	6.70				
220-229		.77	2.20	2.55	.23	.03							7.08	7.29				
230-239		.78	1.90	2.48	.10	.02							6.19	7.32				
240-249		.56	2.77	1.95	.48	.01							5.71	6.51				
250-259		.37	2.63	2.34	.35	.08	.01						5.81	6.86				
260-269		.24	2.02	1.61	.34	.10	.01						4.31	6.97				
270-279		.23	1.22	.90	.32	.07	.00						2.87	6.95				
280-289		.23	.91	.63	.25	.07							2.16	7.22				
290-299		.19	.54	.55	.22	.05	.00						1.68	8.18				
300-309		.27	.57	.44	.32	.08	.00						1.62	7.90				
310-319		.22	.30	.27	.07	.02							.87	6.27				
320-329		.23	.34	.10	.01								.63	4.34				
330-339		.22	.25	.10									.60	4.54				
340-349		.06	.23	.16	.00								.44	5.57				
350-359		.04	.13	.53	.20								.90	8.80				
CALM	.20												.20					
TOT	.73	12.93	41.80	35.10	5.25	.63	.02						100.00	6.57				

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	PLM	3	MONTHLY										AUG		
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD	
0-9		.71	.56	.53	.28								2.09	5.71	
10-19		.64	.94	1.56	.90	.01							4.05	7.66	
20-29		.51	1.01	1.21	.60	.00							3.33	7.24	
30-39		.66	1.02	.84	.29								2.81	6.05	
40-49		.51	.42	.40	.05								1.38	5.14	
50-59		.61	.53	.17	.02								1.32	4.00	
60-69		.63	.38	.06	.05								1.12	3.78	
70-79		.56	.31	.15	.07								1.10	4.43	
80-89		.64	.70	.66	.12								2.12	5.53	
90-99		.50	1.14	.54	.01								2.18	5.10	
100-109		.43	1.91	.97	.02								3.33	5.55	
110-119		.35	1.46	.91	.01								2.73	5.61	
120-129		.58	.91	.61	.01								2.11	4.99	
130-139		.46	.98	.42									1.86	4.84	
140-149		.52	1.51	.63	.00								2.67	5.05	
150-159		.61	1.35	.78	.01								2.75	5.17	
160-169		.47	1.63	.62	.00								2.72	5.09	
170-179		.53	1.70	.50	.00								2.74	4.91	
180-189		.47	1.26	.35	.00								2.08	4.82	
190-199		.57	1.36	.60	.03								2.77	5.14	
200-209		.50	2.17	1.52	.07								4.36	5.76	
210-219		.53	1.91	1.98	.22								4.64	6.36	
220-229		.66	1.50	1.31	.25	.00							3.74	6.12	
230-239		.68	1.89	1.76	.35								4.69	6.35	
240-249		.74	1.90	2.05	.33	.01							5.03	6.30	
250-259		.72	1.78	2.16	.23								4.88	6.16	
260-269		.95	1.89	1.33	.17								4.24	5.67	
270-279		.76	1.81	1.76	.16								4.49	6.02	
280-289		.88	1.37	1.70	.30	.00							4.25	6.24	
290-299		.48	.77	.81	.29	.00							2.34	6.42	
300-309		.44	.57	.76	.37	.01							2.15	6.76	
310-319		.37	.34	.52	.18								1.41	6.26	
320-329		.38	.17	.20	.05								.80	4.96	
330-339		.32	.24	.02									.58	3.39	
340-349		.35	.29	.01									.66	3.42	
350-359		.64	.30	.06									1.00	3.34	
CALM	3.69												3.69		
TOT	3.69	20.39	40.00	30.45	5.43	.04							100.00	5.89	
												26019			

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION PLM 3 ANNUAL

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.29	.52	.97	.78	.40	.31	.09	.00				3.35	11.73
10-19		.25	.45	.62	.63	.20	.13	.04	.00				2.31	10.46
20-29		.27	.64	.60	.58	.28	.03	.00					2.30	9.39
30-39		.22	.43	.46	.53	.17	.01						1.81	9.12
40-49		.21	.37	.31	.39	.14	.04	.00					1.46	9.17
50-59		.21	.45	.28	.26	.15	.07	.00					1.42	9.00
60-69		.29	.59	.25	.18	.10	.08	.01					1.50	8.01
70-79		.24	.46	.24	.15	.11	.02	.00					1.21	7.59
80-89		.21	.48	.39	.11	.05	.01						1.25	6.81
90-99		.17	.50	.58	.13	.05	.01						1.43	7.22
100-109		.18	.59	.72	.25	.01	.00						1.76	7.29
110-119		.23	.72	.98	.29	.00							2.22	7.18
120-129		.27	.77	1.29	.42	.01	.00						2.76	7.46
130-139		.23	.63	1.00	.45	.03	.01						2.36	7.80
140-149		.27	.72	.67	.27	.01	.03						1.94	6.92
150-159		.31	.84	.59	.17	.01	.00						1.92	6.19
160-169		.35	1.01	.65	.25	.02							2.27	6.38
170-179		.42	1.05	.61	.26	.01							2.36	6.25
180-189		.62	1.15	.53	.19	.01							2.50	5.55
190-199		.85	1.66	1.07	.31	.62	.00						3.90	5.87
200-209		.67	1.68	1.51	.48	.03	.00						4.37	6.59
210-219		.51	1.51	1.61	.72	.04	.00						4.61	7.28
220-229		.50	1.34	1.75	.82	.08	.00	.00	.00				4.47	7.54
230-239		.46	1.23	1.62	1.04	.13	.02	.00					4.50	8.17
240-249		.36	1.27	1.48	.94	.22	.06	.01	.00				4.34	8.57
250-259		.36	1.08	1.36	.91	.34	.09	.01	.00	.00			4.14	9.19
260-269		.39	.97	1.16	1.06	.41	.16	.02	.00	.00	.00		4.18	9.89
270-279		.40	.87	1.18	1.20	.49	.21	.04	.01	.00	.00	.00	4.39	10.58
280-289		.40	.81	1.29	1.51	.57	.25	.05	.01	.00	.00	.00	4.89	11.08
290-299		.34	.71	1.04	1.30	.48	.22	.04	.00	.00			4.14	11.00
300-309		.28	.66	.80	.73	.17	.06	.01	.00				2.73	9.17
310-319		.29	.54	.59	.34	.07	.02	.00	.00				1.85	7.72
320-329		.26	.56	.61	.43	.17	.04	.01	.00				2.08	8.84
330-339		.22	.52	.50	.41	.23	.08	.01	.00				1.97	9.77
340-349		.18	.41	.33	.30	.28	.27	.01	.00				1.78	11.89
350-359		.22	.49	.59	.46	.39	.43	.03	.00				2.63	12.49
CALM	.92												.92	
TOT	.92	11.94	28.56	30.42	19.28	5.84	2.61	.38	.03	.01	.01	.00	100.00	3.89

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STATION	NIP	7	MONTHLY	SEP	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-62	TOT	AVE SPD
0-9	CALM		1-3	4-6													
10-19			1.70	.08												1.75	2.11
20-29			1.33	.33												1.66	2.96
30-39			2.41	.54			.17									3.11	3.10
40-49			1.66	.79			.29									2.74	3.62
50-59			.83	1.12			.50									2.45	4.56
60-69			.71	1.08			.33									2.12	4.61
70-79			.46	1.20			.12									1.73	4.31
80-89			.50	1.67			.08									2.45	4.33
90-99			.41	2.23												2.70	4.17
100-109			.08	2.16			.41									2.66	5.38
110-119			.08	1.49			.91									2.49	5.93
120-129			.29	1.49			1.20									2.99	5.80
130-139			.21	1.12			1.26									2.61	6.38
140-149			.17	.12			.41									.71	5.82
150-159			.37	.08			.12									.58	4.02
160-169			.66	.04			.04	.04								.79	3.05
170-179			1.17	1.70			.75	.25								3.86	5.13
180-189			1.78	3.49			3.28	.71	.17							9.47	6.47
190-199			2.66	2.45			1.99	2.37	.62							10.00	7.70
200-209			1.58	1.99			1.12	3.86	1.78	.17						0.50	10.58
210-219			.95	1.33			.66	2.57	1.12	.21						0.85	10.89
220-229			.29	.79			.21	.25	.17							.70	7.50
230-239			.25	.12												.37	3.06
240-249			.33	.04												.62	2.34
250-259			.62													1.70	2.61
260-269			1.29	.41												1.66	2.60
270-279			1.24	.41												1.66	2.18
280-289			1.54	.12												2.16	1.84
290-299			2.12	.04												1.45	1.68
300-309			1.41	.04												1.54	1.69
310-319																	

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STATION NIP	7	MONTHLY						OCT						TOT	AVE SPD
CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=.56			
0-9		.50	.57	.79	.44	.00							2.21	6.89	
10-19		.38	.36	.54	.33								1.62	6.80	
20-29		.44	.28	.51	.15								1.38	6.13	
30-39		.59	.36	.46	.18								1.50	5.80	
40-49		.54	.46	.50	.16								1.66	5.79	
50-59		.42	.61	.34	.11								1.48	5.53	
60-69		.47	.51	.11	.02								1.11	4.22	
70-79		.49	.61	.09	.01								1.21	4.01	
80-89		.54	.65	.04									1.23	3.81	
90-99		.41	.60	.05									1.06	3.92	
100-109		.22	.28	.03									.53	3.69	
110-119		.16	.17	.02									.35	3.52	
120-129		.16	.10	.00									.20	3.14	
130-139		.12	.08	.00									.20	3.29	
140-149		.17	.15	.03	.60								.41	4.46	
150-159		.25	.42	.20	.05								.92	5.35	
160-169		.20	1.65	.74	.17								2.76	6.04	
170-179		.37	1.31	.81	.14								2.63	5.90	
180-189		.44	.95	.95	.22								2.55	6.25	
190-199		.79	1.23	1.75	.47	.01							4.25	6.66	
200-209		.99	1.16	2.54	.93	.05							5.67	7.31	
210-219		1.18	1.04	2.05	1.22	.08							5.58	7.49	
220-229		1.08	2.06	1.45	1.02	.03							5.63	6.70	
230-239		.72	2.76	1.50	.72	.03	.03						5.73	6.45	
240-249		.82	1.35	.88	.23	.02							3.32	5.69	
250-259		1.08	1.66	.51	.24	.0							3.51	5.04	
260-269		1.07	2.24	.45	.27	.62							4.35	5.01	
270-279		1.03	2.62	.45	.34	.01							1.68	5.29	
280-289		1.16	2.56	1.07	.36	.02							5.17	5.51	
290-299		1.13	2.75	1.73	.50	.02							6.13	5.99	
300-309		1.25	2.93	1.31	.44	.02							6.56	5.77	
310-319		1.29	2.05	1.05	.25	.03							4.71	5.39	
320-329		1.24	1.48	.52	.10	.60							3.34	4.63	
330-339		1.12	.95	.20	.06	.00							2.33	4.16	
340-349		.76	.76	.17	.05	.00							1.75	4.16	
350-359		.64	.71	.32	.10								1.76	4.80	
CALM	.69												.69		
TOT	.69	24.31	40.37	24.97	9.31	.35	J						100.00	5.90	

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STATION	NIP	7	MONTHLY								NOV						TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56						
0-9		.93	1.71	3.53	.31								6.47	6.65				
10-19		.39	.32	2.01	.18	.02							2.93	7.34				
20-29		.11	1.02	1.80	.21	.16	.12						3.43	8.36				
30-39		.22	1.36	1.46	.23	1.06	.89	.02					5.23	12.22				
40-49		.35	1.68	1.66	.34	.84	.39	.02					5.29	9.96				
50-59		.42	1.40	1.19	.35	.20	.14						3.71	7.81				
60-69		.51	1.18	1.25	.44	.04							3.42	6.86				
70-79		.42	.80	1.26	.28	.02							2.79	6.90				
80-89		.29	.44	.41	.12								1.26	6.19				
90-99		.05	.07	.28	.08	.01							.49	8.20				
100-109		.04	.05	.14	.18	.04							.44	10.18				
110-119		.02	.03	.06	.26	.02							.38	11.82				
120-129		.01	.03	.24	.18	.01							.47	9.91				
130-139		.02	.43	1.33	.12								1.91	7.81				
140-149		.11	.73	1.17	.15								2.15	6.97				
150-159		.26	1.11	.52	.02								1.91	5.50				
160-169		.34	1.06	.58	.31				.01				2.31	6.48				
170-179		.34	.36	.55	.41			.01					1.68	7.41				
180-189		.61	.88	.46	.16								2.11	5.44				
190-199		.72	1.94	.41	.07	.02							3.16	4.81				
200-209		1.25	2.21	1.30	.50		.01			.01			5.28	5.87				
210-219		.70	1.13	3.44	.74	.02	.02	.01					6.05	7.58				
220-229		.38	.72	3.03	.46	.06							4.64	7.71				
230-239		.29	.49	1.28	.74	.20	.02						3.02	9.06				
240-249		.38	.33	.76	.56	.25	.01						2.78	8.50				
250-259		.21	.97	.47	.20	.02	.01						1.79	6.65				
260-269		.41	1.46	.96	.39	.04	.01						3.26	6.80				
270-279		.45	1.42	1.06	.38	.12	.02						3.46	7.13				
280-289		.31	1.03	.78	.59	.25	.04						3.00	8.34				
290-299		.42	.68	.44	.48	.15	.02						2.18	7.87				
300-309		.77	.76	.21	.14	.03	.01						1.92	4.82				
310-319		.61	.41	.02	.03	.01							1.08	3.56				
320-329		.51	.29										.80	3.15				
330-339		.96	.32	.02									1.29	3.14				
340-349		.62	1.23	.23									2.08	4.41				
350-359		.52	2.79	1.56	.05								4.92	5.81				
CALM	.90												.90					
TOT	.90	14.97	33.23	35.88	9.69	3.57	1.68	.05	.01	.01			100.00	7.38				
												13057						

STATION	NIP	7	MONTHLY	DEC											
		CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9			1.11	.79	2.17	1.06	.01							5.13	7.29
10-19			.18	.32	1.41	.55	.00							2.46	8.38
20-29			.05	.08	.93	.62	.01							1.69	9.65
30-39			.12	.01	.92	1.27	.02							2.34	10.54
40-49			.00	.01	.51	1.13	.13							1.79	12.06
50-59				.00	.38	.68	.08	.01						1.15	12.02
60-69			.00	.02	.31	.54	.13	.00						1.00	12.23
70-79				.00	.26	.42	.05	.00						.74	11.79
80-89				.00	.17	.14	.07	.01						.39	12.18
90-99			.00	.01	.08	.07	.01							.17	10.43
100-109			.05	.09	.01	.01								.17	4.87
110-119			.07	.04										.11	3.38
120-129			.06	.17	.01									.25	4.24
130-139			.04	.17	.09	.00								.30	5.59
140-149			.06	.27	.11	.01								.45	5.50
150-159			.21	.25	.10	.01		.00						.57	4.50
160-169			.12	.17	.06	.07	.02	.01						.45	6.77
170-175			.22	.24	.14	.17	.01							.78	6.64
180-189			.03	.14	.19	.07	.01	.00						.45	7.85
190-199			.37	.29	.40	.07	.00							1.13	5.68
200-209			.14	.42	.51	.39	.05							1.51	8.36
210-219			.74	.69	1.00	.71	.11	.00						3.25	7.59
220-229			.62	1.74	1.24	.44	.01	.00						4.06	6.46
230-239			.53	1.95	1.07	.59	.08							4.22	6.76
240-249			.53	1.46	.47	.56	.17	.04						3.22	7.24
250-259			.86	1.01	.26	.58	.26	.04						3.00	7.36
260-269			1.29	.61	.41	.59	.16	.03						3.08	6.58
270-279			1.05	.80	.78	.99	.21	.03						3.86	7.82
280-289			2.51	1.49	1.18	1.23	.24	.03						6.69	6.48
290-299			1.87	1.89	1.47	1.05	.23	.01						6.52	6.60
300-309			1.57	2.14	1.25	.60	.11	.02						5.68	6.05
310-319			2.24	1.74	.89	.31	.02								

STATION	NIP	7	MONTHLY	JAN	(PERCENT ONE MINUTE AVERAGES)										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56				
0-9													.26	7.40		
10-19		.10	.02	.05	.08	.00							1.44	10.23		
20-29		.05	.18	.47	.72	.02							3.55	10.28		
30-39		.02	.49	1.33	1.59	.11							2.34	9.98		
40-49		.03	.33	1.03	.61	.13	.00						.77	6.33		
50-59		.17	.28	.25	.08	.00							.62	2.89		
60-69		.42	.17	.02	.00								.35	4.29		
70-79		.21	.11	.02	.00								.62	4.97		
80-89		.09	.23	.02									.68	5.75		
90-99		.10	.43	.09									.35	5.28		
100-109		.05	.41	.23	.00								.05	5.31		
110-119		.09	.13	.13									.01	3.60		
120-129		.02	.01	.02									.01	4.70		
130-139		.00	.00										.04	7.03		
140-149		.00	.01										.36	8.82		
150-159		.00	.02	.01	.01								1.40	10.33		
160-169			.11	.14	.10	.01							1.52	9.36		
170-179		.05	.15	.57	.56	.08							.51	7.44		
180-189		.04	.18	.84	.42	.03							.99	6.57		
190-199		.01	.17	.29	.05								2.37	7.41		
200-209		.02	.44	.52	.01								3.53	7.83		
210-219		.06	.66	1.52	.13								7.46	6.59		
220-229		.25	.70	2.13	.45	.00							12.22	6.09		
230-239		.69	2.96	3.31	.50	.00							9.26	6.16		
240-249		1.65	5.46	4.55	.56								5.63	5.78		
250-259		.99	4.48	3.37	.42	.01							5.09	5.22		
260-269		.66	3.10	1.64	.23	.00							4.72	6.51		
270-279		.93	3.03	.56	.17	.00							6.21	8.55		
280-289		.36	1.86	1.35	.59	.06	.00						7.33	8.98		
290-299		.29	2.03	1.98	1.73	.17	.01						6.97	8.10		
300-309		.51	1.80	2.33	2.41	.26	.02						4.56	7.74		
310-319		.96	1.97	1.87	1.94	.23							3.26	6.92		
320-329		.69	1.30	1.37	1.07	.12							2.16	5.09		
330-339		.90	.68	.74	.66	.08	.00						.50	6.25		
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STATION	NIP	7	MONTHLY			FEB								TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9		.48	2.37	1.25	3.59	2.49	.19						10.38	11.89	
10-19		.17	1.25	.94	.96	1.18	.06						4.56	11.27	
20-29		.51	.58	.47	.14	.10							1.61	6.43	
30-39		.36	.50	.01	.00	.00							.87	3.81	
40-49		.30	.22	.01									.53	3.36	
50-59		.08	.13	.10	.01								.32	5.48	
60-69		.07	.11	.24	.02								.45	6.88	
70-79		.14	.07	.19	.03								.44	5.92	
80-89		.13	.11	.18	.06								.48	6.34	
90-99		.21	.19	.12	.02								.55	4.68	
100-109		.08	.23	.07	.00								.38	4.86	
110-119		.16	.17	.03									.36	3.78	
120-129		.10	.12	.00									.23	3.51	
130-139		.07	.22	.12									.41	5.14	
140-149		.04	.45	.16									.64	5.32	
150-159		.06	.79	.33	.04	.06	.06		.00				1.36	7.15	
160-169		.14	.53	.48	.21	.26	.20	.01					1.83	10.82	
170-179		.41	1.35	.45	.62	.34	.07	.00					3.24	8.67	
180-189		.62	1.39	.55	.51	.14	.04						3.24	7.04	
190-199		.21	1.16	.71	.40	.11	.01	.00					2.62	7.51	
200-209		1.05	1.01	.61	.32	.02							3.02	5.51	
210-219		.05	.85	1.30	.26	.02							2.48	7.63	
220-229		.15	.81	2.13	.33								3.41	7.80	
230-239		.33	.95	2.26	.76	.01							4.36	7.92	
240-249		.05	.76	1.67	.86	.08							3.42	8.83	
250-259		.18	1.02	1.26	.61	.02							3.10	7.80	
260-269		.56	1.45	.65	.41	.92							3.28	6.37	
270-279		.29	1.49	.86	.38	.01							3.02	6.54	
280-289		.41	1.67	1.29	.49	.01							4.07	6.72	
290-299		.45	2.05	2.78	.75	.03							6.10	7.20	
300-309		.82	2.21	2.65	.65	.02							6.55	6.86	
310-319		.74	1.77	1.89	.30		.00						4.70	6.34	
320-329		1.11	1.23	.95	.15	.09							3.45	5.22	
330-339		.65	1.04	.46	.09		</								

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STATION NIP	7	MONTHLY		MAR												TOT	AVE SPD
CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56					
0-9		1.05	1.78	.65	.95	.73	.06						5.22	8.47			
10-19		.51	1.78	2.13	2.14	1.96	.19						8.70	11.14			
20-29		.70	1.43	2.18	1.20	1.16	.17						6.84	9.97			
30-39		.43	1.56	1.95	.35	.24	.02						4.54	7.46			
40-49		.59	1.51	3.21	.54	.03	.00						5.69	7.15			
50-59		.20	.91	.90	.15	.00							2.24	6.41			
60-69		.43	.61	.23									1.27	4.59			
70-79		.33	.56	.17	.00	.00							1.07	4.51			
80-89		.36	.57	.17									1.10	4.41			
90-99		.63	.60	.19	.01								1.43	4.10			
100-109		.54	.49	.40	.01								1.42	4.66			
110-119		.42	.25	.14	.03								.83	4.27			
120-129		.14	.18	.10									.42	4.70			
130-139		.24	.36	.14	.01								.75	4.53			
140-149		.56	.38	.17	.00								1.12	4.10			
150-159		.54	.74	.09	.01								1.78	3.50			
160-169		.72	1.09	.14									1.95	4.03			
170-179		.29	.67	.13									1.09	4.51			
180-189		.20	.34	.13	.01								.06	4.91			
190-199		.06	.38	.21	.24								.06	5.07			
200-209		.13	.41	.30	.10	.00							.31	4.43			
210-219		.04	.24	.21	.56	.06	.00						1.11	10.45			
220-229		.15	.56	1.00	.16	.08							2.94	9.44			
230-239		.19	1.11	1.25	.34	.01							2.91	7.20			
240-249		.37	.58	1.05	.53	.02							2.59	7.71			
250-259		.47	.54	1.21	.87	.03							3.12	8.15			
260-269		.61	1.15	.99	.73	.04							3.53	7.11			
270-279		.41	1.64	.88	.49	.03							3.45	6.66			
280-289		.63	1.98	1.33	.45	.03							4.41	6.47			
290-299		.63	1.82	1.32	.45	.03							4.25	6.41			
300-309		.88	1.85	1.22	.39	.02							4.35	6.06			
310-319		.91	1.67	.90	.31	.02							3.70	5.64			
320-329		1.09	1.50	.69	.18	.01							3.47	5.02			
330-339		1.46	1.19	.41	.12	.00							3.19	4.29			
340-349		1.72	.82	.26	.05	.01							2.85	3.61			
350-359		1.41	.95	.17	.06	.02							2.59	3.84			
CALM	1.75												1.75				
TOT	1.75	20.52	34.18	25.32	12.26	4.52	.45						100.00	6.93			

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION NIP 7	MONTHLY	APR											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<+56	TOT	AVE SPD	
0-9	.82	1.75	.84	.23	.03							3.69	5.72	
10-19	.55	1.91	1.13	.91	.07							4.57	7.31	
20-29	.35	1.54	1.33	.77	.01							4.00	7.34	
30-39	.26	.92	.93	.29	.03							2.43	6.86	
40-49	.27	1.32	.87	.56	.10	.00						3.12	7.54	
50-59	.42	1.26	.67	.47	.15	.00						2.97	7.31	
60-69	.34	.88	.61	.51	.04							2.38	7.36	
70-79	.42	.84	.66	.47	.05							2.44	7.21	
80-89	.38	.75	.58	.48	.11	.01						2.32	7.77	
90-99	.23	.71	.54	.41	.13	.01						2.03	8.20	
100-109	.16	.51	.44	.29	.05							1.45	7.75	
110-119	.04	.20	.27	.44	.08	.00						1.04	10.32	
120-129	.13	.19	.43	.25	.01							1.00	8.02	
130-139	.09	.19	.35	.05								.69	6.90	
140-149	.13	.20	.24	.03								.60	6.02	
150-159	.23	.20	.40	.04								.87	6.16	
160-169	.57	.40	.66	.15								2.17	5.18	
170-179	.52	.47	.72	.19		.00						1.90	6.17	
180-189	.10	.40	.86	.23								1.58	7.75	
190-199	.03	.63	1.03	.27								2.16	7.40	
200-209	.07	1.10	.78	.21								2.17	6.70	
210-219	.50	.52	.31	.17								1.49	5.61	
220-229	.53	.32	.90	.64	.02	.00						2.41	7.82	
230-239	.14	1.33	3.12	1.89	.04							6.53	8.77	
240-249	.13	1.69	2.97	1.91	.07	.00						6.83	8.66	
250-259	.15	1.39	1.95	1.31	.11	.01						4.92	8.64	
260-269	.22	1.31	1.07	1.04	.26	.01						3.92	8.91	
270-279	.22	1.23	1.46	1.51	.30	.03						4.74	9.49	
280-289	.13	1.16	1.30	1.79	.39	.04						4.80	10.04	
290-299	.32	1.05	1.20	1.53	.20	.02						4.32	9.29	
300-309	.41	1.02	.86	.75	.11	.00						3.16	7.85	
310-319	.51	1.18	.62	.35	.02	.01						2.70	6.31	
320-329	.52	1.17	.33	.12	.01							2.14	5.17	
330-339	.71	1.04	.19	.06								1.70	4.86	
340-349	.52	.92	.30	.03								1.77	4.73	
350-359	.64	.88	.48	.04								2.03	4.88	
CALM	.90											.90		
TOT	.90	11.94	32.81	31.41	20.36	2.41	.17					100.00	7.75	

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STATION NIP	7	MONTHLY		MAY										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.39	.60	.20									1.19	4.49	
10-19		.54	1.14	.46									2.14	4.79	
20-29		.34	2.04	.85	.01								3.25	5.45	
30-39		.22	2.23	1.13	.03								3.60	5.81	
40-49		.26	1.71	1.25	.10								3.32	6.17	
50-59		.26	.97	1.08	.22								2.53	6.66	
60-69		.22	.81	.60	.27	.02							1.99	6.62	
70-79		.46	.69	.39	.19	.01							1.73	5.72	
80-89		.54	.51	.39	.09								1.94	5.15	
90-99		.42	.96	.56	.15	.00							2.11	5.82	
100-109		.30	.83	.82	.22	.13							2.21	6.85	
110-119		.32	.48	.35	.15	.5							1.34	6.44	
120-129		.24	.37	.35	.33	.15	.01						1.35	7.91	
130-139		.20	.39	.65	.37	.03	.00						1.67	8.09	
140-149		.17	.55	.76	.19								1.67	6.98	
150-159		.19	.51	.95	.21								1.86	7.18	
160-169		.26	.85	1.58	.42								3.12	7.40	
170-179		.59	1.23	1.99	.37								4.15	6.78	
180-189		.44	.88	1.53	.22	.00							3.00	6.74	
190-199		.68	1.03	1.43	.29								3.17	7.17	
200-209		1.19	.97	1.02	.42	.02							3.12	7.93	
210-219		.50	.72	1.03	.57	.00							2.12	7.31	
220-229		.32	.78	1.04	.50	.02							1.66	7.44	
230-239		.40	1.58	2.51	1.48	.12	.02	.00					0.12	8.44	
240-249		1.23	1.83	2.33	1.97	.22	.03	.00					7.62	9.09	
250-259		1.00	1.67	1.33	1.21	.10	.01						5.31	7.37	
260-269		.68	1.63	1.20	.95	.02							4.77	6.80	
270-279		.55	1.50	1.18	.61	.02							3.86	6.85	
280-289		.64	1.62	1.01	.38								3.62	6.12	
290-299		.44	1.34	.90	.25	.00							3.00	6.13	
300-309		.33	1.05	.74	.10	.01							2.23	5.97	
310-319		.43	.84	.67	.11								2.04	5.79	
320-329		.29	.55	.43	.07	.00							1.35	5.79	
330-339		.47	.27	.23	.01								.98	4.28	
340-349		.42	.22	.38	.02								.74	3.65	
350-359		.21	.16	.06	.00								.44	3.98	
CALM	.93												.93		
TOT	.93	16.73	35.90	33.15	12.46	.76	.07	.01					100.00	6.74	

STATION: NIP 7	MONTHLY	JUN										TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9	.13	.75	.26	.03								2.19	3.83
10-19	.23	1.20	.23	.02								2.67	3.86
20-29	.19	1.20	.29									2.68	3.94
30-39	1.04	1.16	.31	.01								2.52	4.06
40-49	.83	.86	.31	.02								2.03	4.29
50-59	.74	.70	.39	.08								1.92	4.75
60-69	.69	.55	.37	.07								1.68	4.78
70-79	.46	.45	.25	.03								1.20	4.58
80-89	.38	.36	.19	.01								.93	4.42
90-99	.30	.36	.13	.01								.81	4.40
100-109	.29	.23	.59	.09								1.30	6.45
110-119	.27	.34	.22	.01								.84	4.89
120-129	.28	.41	.22	.00								.92	4.84
130-139	.34	.34	.29	.04								1.01	5.11
140-149	.34	.56	.77	.14								1.81	6.38
150-159	.35	.83	1.52	.79	.01							3.49	7.85
160-169	.57	1.07	2.87	1.73	.05							6.28	8.54
170-179	.35	.71	1.71	.84	.03							3.65	8.19
180-189	.24	.62	1.11	.32	.01							2.31	7.31
190-199	.26	.80	.99	.23								2.33	6.97
200-209	.23	1.02	.85	.26								2.36	6.65
210-219	.22	.85	.77	.45	.01							2.30	7.25
220-229	.79	1.11	.95	.58	.01							3.44	6.47
230-239	.61	2.66	2.23	.48	.00							5.99	6.40
240-249	.41	2.92	2.77	.46	.00							6.56	6.67
250-259	.80	2.54	1.51	.19								5.14	5.68
260-269	1.10	2.23	.53	.06	.01							4.03	4.80
270-279	1.18	2.38	.50	.09	.00							4.16	4.77
280-289	1.02	2.10	.06	.20								4.28	5.30
290-299	.74	2.04	1.36	.24								4.37	5.89
300-309	.77	1.72	1.02	.18	.00							3.70	5.62
310-319	.49	1.38	.69	.12								2.68	5.55
320-329	.46	1.19	.59	.09								2.36	5.45
330-339	.55	.96	.44	.05								2.00	5.00
340-349	.64	.53	.32	.02								1.51	4.38
350-359	.73	.37	.22	.03								1.35	4.05
CALM	1.18											1.18	
TOT	1.18	22.07	39.74	26.84	8.02	.14						100.00	5.94

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STATION	NIP	7	MONTHLY	JUL									TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56		
G-9		.78	.25	.05									1.08	2.96
10-19		.71	.57	.13									1.42	3.72
20-29		.77	.75	.15									1.68	3.86
30-35		.69	.54	.08									1.30	3.63
40-49		.59	.40	.08									1.07	3.54
50-59		.58	.44	.03									1.04	3.43
60-69		.56	.53	.02									1.12	3.57
70-79		.49	.67	.02									1.18	3.73
80-89		.50	.70	.03									1.03	4.10
90-99		.22	.65	.08	.00								.95	4.60
100-109		.13	.52	.04									.69	4.67
110-119		.15	.33	.02									.50	4.27
120-129		.16	.19	.01									.36	3.92
130-139		.19	.18	.05									.42	4.10
140-149		.30	.28	.13	.00								.70	4.39
150-159		.36	.42	.47	.03								1.28	5.47
160-169		.35	.87	1.25	.17	.00							2.65	6.65
170-179		.45	1.27	1.49	.35								3.26	6.75
180-189		.45	1.73	2.38	.48								5.03	6.94
190-199		.60	2.75	2.68	.45								6.47	6.53
200-209		.74	2.78	3.43	.36	.01							7.22	6.53
210-219		.90	2.75	4.74	1.07	.03							9.48	7.23
220-229		1.37	3.27	3.26	.80	.02							8.81	6.56
230-239		1.18	3.62	2.97	.80	.03							8.61	6.40
240-249		1.46	2.98	1.70	.33								6.47	5.48
250-259		1.17	3.15	.70	.08								5.10	4.76
260-269		1.13	2.81	.33	.04								4.30	4.43
270-279		.92	2.42	.35	.06								3.75	4.57
280-289		.88	1.67	.35	.04								2.94	4.51
290-299		.71	1.10	.33	.03								2.17	4.59
300-309		.65	1.14	.33	.03								2.15	4.61
310-319		.72	.73	.18	.02								1.05	4.01
320-329		.62	.41	.11	.02								1.16	3.74
330-339		.50	.13	.04	.01								.67	3.02
340-349		.56	.09	.03	.03								.67	2.54
350-359		.56	.06	.01	.00								.64	2.26
CALM	.58												.58	
TOT	.58	22.90	43.12	28.04	5.26	.09							100.00	
														35834

STATION NIP	7	MONTHLY			AUG								
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	Ave SPD
0-9	.05	.67	.40	.06								2.18	4.20
10-19	1.22	.96	.66	.09								2.93	4.66
20-29	1.24	.77	.40	.07								2.47	4.13
30-39	1.19	.57	.17	.01								1.94	3.44
40-49	.96	.51	.06									1.52	3.11
50-59	.87	.53	.03									1.42	3.18
60-69	1.01	.69	.03									1.74	3.30
70-79	.92	.65	.05									1.63	3.39
80-89	1.10	.77	.10									1.98	3.28
90-99	.92	.77	.02									1.70	3.32
100-109	.59	.61	.02									1.22	3.42
110-119	.42	.42	.03									.87	3.64
120-129	.28	.40	.09									.77	4.14
130-139	.31	.59	.22									1.22	4.70
140-149	.37	.67	.20									1.24	4.59
150-159	.45	.45	.09	.01								1.01	4.02
160-169	.37	1.05	.31	.03								1.77	4.96
170-179	.58	1.76	.73	.06								3.12	5.24
180-189	.51	1.86	.85	.05								3.29	5.43
190-199	.91	1.65	.86	.02	.00							3.45	5.03
200-209	.96	1.27	.91	.02								3.17	4.92
210-219	.94	1.37	1.35	.04								3.70	5.42
220-229	1.14	2.54	2.66	.08								6.42	5.89
230-239	1.24	3.45	2.38	.17								7.24	5.62
240-249	1.40	2.33	1.41	.21	.00							5.36	5.31
250-259	1.58	2.53	.79	.14								5.05	4.59
260-269	1.44	2.91	.52	.06								4.93	4.42
270-279	1.39	2.83	.43	.05								4.70	4.38
280-289	1.44	2.86	.51	.01								4.84	4.38
290-299	1.23	1.88	.28	.01								3.40	4.09
300-309	1.16	1.66	.23	.01								3.05	3.99
310-319	1.18	1.22	.14	.01								2.54	3.75
320-329	.98	.80	.12	.02								1.92	3.59
330-339	.66	.50	.03	.00								1.22	3.26
340-349	.62	.24	.02									.88	2.63
350-359	.66	.24	.10	.01								1.01	3.14
CALM	3.11											3.11	
TOT	3.11	33.29	45.11	17.24	1.24	.01						100.00	4.51

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STATION, NIP	7	ANNUAL										TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9	.78	.93	.77	.55	.25	.02						3.30	7.55
10-19	.57	.91	.84	.53	.28	.02						3.16	8.03
20-29	.57	.91	.87	.44	.14	.02						2.94	7.33
30-39	.50	.82	.72	.30	.09	.04	.00					2.48	7.07
40-49	.46	.76	.72	.27	.06	.02	.00					2.29	6.86
50-59	.42	.61	.42	.18	.03	.01						1.67	6.23
60-69	.42	.52	.29	.16	.02	.00						1.41	5.85
70-79	.39	.51	.25	.12	.01	.00						1.28	5.57
80-89	.37	.54	.20	.08	.02	.00						1.21	5.28
90-99	.32	.52	.20	.07	.01	.00						1.11	5.34
100-109	.23	.39	.25	.07	.01							.35	5.76
110-119	.19	.24	.11	.07	.01	.00						.63	5.79
120-129	.15	.22	.13	.06	.01	.00						.56	5.92
130-139	.16	.26	.24	.05	.00	.00						.71	5.96
140-149	.22	.36	.30	.04								.92	5.66
150-159	.37	.49	.44	.13	.01	.00		.00				1.39	6.14
160-169	.39	.61	.68	.36	.03	.01	.00	.00				2.48	7.13
170-179	.39	.90	.92	.32	.03	.01	.00					2.57	6.92
180-189	.33	.86	.91	.23	.02	.00						2.36	6.70
190-199	.44	1.14	1.07	.25	.02	.00	.00					2.93	6.51
200-209	.57	1.16	1.31	.34	.02	.00			.00			3.42	6.58
210-219	.55	1.03	1.66	.58	.03	.00	.00					3.85	7.27
220-229	.70	1.62	1.85	.62	.02	.00						4.82	6.86
230-239	.70	2.44	2.31	.76	.04	.00	.00					6.26	6.85
240-249	.75	2.02	1.73	.71	.06	.01	.00					5.34	6.06
250-259	.79	1.97	1.06	.50	.05	.01						4.28	6.31
260-269	.93	1.92	.72	.41	.05	.00						4.04	5.83
270-279	.60	1.86	.83	.49	.07	.01						4.05	6.26
280-289	.93	1.87	1.25	.65	.09	.01						4.59	6.54
290-299	.81	1.69	1.27	.63	.08	.01						4.54	6.79
300-309	.69	1.69	1.10	.47	.05	.00						4.21	6.23
310-319	.93	1.32	.75	.26	.07	.00						3.27	5.55
320-329	.97	1.03	.46	.14	.01	.00						2.60	4.83
330-339	.65	.81	.26	.06	.00	.00						2.00	4.35
340-349	.83	.88	.24	.04	.00		.00					1.99	4.22
350-359	.75	.93	.50	.16	.02	.00						2.35	5.37
CALM	2.02											2.02	
TOT	2.02	20.35	36.85	27.70	11.14	1.69	.22	.30	.00	.00		100.00	6.44
290249													

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION BSH	B	MONTHLY											SEP			
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD		
0-9		.73	1.05	.52	1.05	.14							3.49	7.81		
10-19		.77	.70	.75	1.53	.17							3.93	8.93		
20-29		.79	.75	.58	1.44	.16	.01						3.72	8.67		
30-39		.96	.92	.56	.82	.08							3.33	6.96		
40-49		1.10	1.05	.59	.38	.03	.01						3.16	5.70		
50-59		.96	.97	.39	.30	.03							2.65	5.38		
60-69		1.03	.87	.42	.14	.01							2.47	4.69		
70-79		.87	.72	.23	.03								1.86	4.24		
80-89		.41	.59	.12	.01								1.13	4.34		
90-99		.13	.53	.05									.71	4.48		
100-109		.07	.50	.09									.67	4.95		
110-119		.08	.22	.02									.32	4.37		
120-129		.03	.18	.02		.01							.24	4.90		
130-139		.09	.32	.02									.43	4.25		
140-149		.21	.80	.09	.01								1.11	4.68		
150-159		.21	1.38	.06									1.65	4.65		
160-169		.37	1.40	.16	.01								1.94	4.58		
170-179		.48	2.18	.37	.14								3.16	5.24		
180-189		.50	3.51	1.24	.44	.03							5.72	5.98		
190-199		.65	4.91	3.94	.56	.06	.01						10.13	6.48		
200-209		.56	4.05	5.54	.48	.02							10.65	6.74		
210-219		.39	2.77	4.71	.25								8.12	6.87		
220-229		.48	1.56	2.16	.09								4.39	6.34		
230-239		.37	.95	.49	.04								1.85	5.32		
240-249		.30	.64	.32									1.25	5.01		
250-259		.27	.51	.10	.01	.01							.90	4.65		
260-269		.30	.49	.10	.04	.01							.93	4.81		
270-279		.28	.44	.17	.05								.94	5.00		
280-289		.25	.33	.12	.01								.71	4.73		
290-299		.24	.41	.36	.05								1.05	5.66		
300-309		.34	.67	.59	.09	.01							1.70	5.91		
310-319		.24	1.20	1.53	.33	.01							3.32	6.93		
320-329		.29	1.56	1.76	.52	.01							4.14	7.05		
330-339		.36	.99	1.03	.29	.01							2.68	6.68		
340-349		.43	.99	.59	.19	.01							2.22	5.96		
350-359		.60	1.27	.54	.12	.02							2.55	5.45		
CALM	.78												.78			
TOT	.78	16.17	42.49	30.33	9.42	.80	.02						100.00	6.40		
													15465			

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION BSH	8	MONTHLY		NO./										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.60	2.57	2.07	.21	.23	.06	.01					5.75	6.80	
10-19		.50	2.00	1.54	.11	.11	.13	.01					4.42	6.88	
20-29		.56	1.65	1.30	.08	.09	.09	.04		.00			3.82	6.85	
30-39		.44	1.46	1.16	.11	.18	.29	.16	.01				3.32	9.01	
40-49		.41	1.29	.57	.15	.25	.30	.08	.02				3.06	9.39	
50-59		.41	.99	.23	.12	.12	.07	.03					1.35	7.01	
60-69		.31	.67	.18	.27	.07	.01	.00					1.51	6.95	
70-79		.23	.45	.23	.19	.00							1.11	6.44	
80-89		.15	.17	.26	.11	.01							.71	6.95	
90-99		.30	.13	.16	.03								.63	4.74	
100-109		.58	.29	.28	.04								1.19	4.55	
110-119		1.30	.63	.33	.02								2.20	3.75	
120-129		1.14	.66	.18									1.98	3.35	
130-139		.85	.64	.04	.00								1.53	3.27	
140-149		.80	.71	.02									1.53	3.37	
150-159		.81	.56	.04			.00						1.41	3.31	
160-169		.84	.60	.03	.00								1.47	3.33	
170-179		.82	.82	.09	.02								1.75	3.60	
180-189		.29	.77	.25	.08								1.49	5.15	
190-199		.34	1.44	2.21	.23								4.22	6.70	
200-209		.36	1.20	2.70	.22	.02							4.49	7.05	
210-219		.21	.90	1.13	.28	.01							2.54	7.09	
220-229		.18	1.20	.75	.33	.03							2.58	6.70	
230-239		.22	1.30	.86	.11	.00							2.51	6.13	
240-249		.09	.96	.94	.12	.00							2.13	6.70	
250-259		.08	.83	1.13	.19		.01						2.24	7.21	
260-269		.08	.70	1.13	.15	.02	.00						2.09	7.44	
270-279		.11	.82	1.06	.23	.07	.01						2.30	7.66	
280-289		.16	1.12	1.01	.30	.09	.01						2.69	7.43	
290-299		.20	1.07	.88	.34	.05	.01						2.56	7.36	
300-309		.20	.94	.79	.36	.03							2.32	7.22	
310-319		.41	.63	1.04	.92	.03							2.93	8.08	
320-329		.75	.38	1.35	1.29	.00							4.27	7.86	
330-339		.87	1.43	1.39	.85	.01							4.57	6.95	
340-349		.78	2.22	2.25	.94	.21	.00						6.39	7.36	
350-359		.70	2.55	2.47	.56	.20	.04						6.55	7.05	
CALM	1.21												1.21		
TOT	1.21	17.18	37.37	32.05	8.90	1.87	1.04	.34	.03	.00			100.00	6.81	

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STATION	BS4	S	MONTHLY			DEC											TOT	AVE SPD
CALM			1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	< 56					
0-9			.55	1.61	1.56	.15								3.89	6.19			
10-19			.43	1.24	1.74	.18	.00							3.60	6.64			
20-29			.31	.86	1.28	.18	.02							2.64	6.83			
30-39			.28	.64	.73	.21	.06	.01						1.93	7.14			
40-49			.30	.57	.70	.25	.05	.01						1.87	7.32			
50-59			.17	.58	.63	.32	.23							1.71	7.35			
60-69			.16	.50	.59	.13	.00							1.42	6.95			
70-79			.18	.24	.40	.18	.02							1.01	7.37			
80-89			.26	.10	.18	.	.02	.01						.69	6.68			
90-99			.27	.06	.05	.								.41	4.10			
100-109			.36	.07	.03	.0								.47	3.51			
110-119			.41	.11	.04	.00								.57	3.26			
120-129			.31	.06	.03	.02	.00							.42	3.52			
130-139			.33	.04	.02	.00	.00							.39	3.04			
140-149			.35	.09	.02									.46	2.88			
150-159			.30	.10	.04	.00	.00							.45	3.73			
160-169			.23	.13	.06	.01								.43	4.13			
170-179			.33	.40	.35	.01	.00	.00						1.11	5.41			
180-189			.31	.61	.81	.11								1.84	6.40			
190-199			.55	1.23	1.18	.31	.01							3.29	6.46			
200-209			.72	1.58	1.25	.41	.00							3.57	6.26			
210-219			.58	1.66	1.23	.52			.00					3.39	6.54			
220-229			.66	1.53	1.48	.68	.03							4.39	6.92			
230-239			.56	1.03	1.61	.77	.09	.01						4.06	7.68			
240-249			.52	.71	1.09	.77	.12	.04						3.24	8.22			
250-259			.45	.57	.77	.75	.21	.03						2.91	6.74			
260-269			.56	.38	.53	1.02	.27	.02						3.66	8.73			
270-279			.50	.99	1.28	1.40	.26	.03						4.47	9.13			
280-289			.67	1.27	1.51	1.44	.14	.04						5.36	9.08			
290-299			.73	1.44	1.47	1.12	.27	.01						5.04	8.11			
300-309			.58	1.35	1.17	.78	.11	.00						3.99	7.54			
310-319			.64	1.53	1.15	.65	.07	.02						4.06	7.			

STATION	BSK	6	MONTHLY	JAN										TOT	AVE SPD
		CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9			.02	.38	.69	1.40	.11	.02						2.62	10.92
10-19			.08	.30	1.10	2.09	.34	.01						3.92	11.42
20-29			.09	.39	1.49	2.49	.33	.02						4.80	11.22
30-39			.17	.42	.84	1.49	.23	.01						3.17	10.69
40-49			.26	.32	.49	.43	.04	.01						1.51	8.14
50-59			.19	.29	.12	.06	.02							.67	5.50
60-69			.16	.13	.06	.01								.35	4.04
70-79			.11	.03	.01	.01								.16	3.01
80-89			.04	.01										.05	1.98
90-99			.02	.02	.01									.06	3.83
100-109			.03	.25	.01									.29	4.47
110-119			.08	1.21	.10									1.38	4.86
120-129			.07	1.07	.15	.01								1.30	5.14
130-139			.11	.38	.22									.71	5.68
140-149			.04	.15	.22	.02								.42	6.63
150-159			.02	.06	.07	.01			.01					.16	7.43
160-169			.07	.15	.03									.26	4.35
170-179			.07	.17	.05									.29	4.70
180-189			.10	.34	.34	.02								.79	5.99
190-199			.08	1.25	1.57	.06								2.96	6.64
200-209			.14	1.67	3.69	.67								6.18	7.47
210-219			.18	2.52	5.71	1.33	.01		.01					9.75	7.84
220-229			.18	2.23	4.29	.71	.02							7.44	7.49
230-239			.34	1.55	3.39	.69								5.56	7.52
240-249			.19	1.09	2.62	.50								4.40	7.75
250-259			.22	.98	1.17	.46	.03							2.87	7.60
260-269			.15	.93	1.33	1.10	.13	.01						3.64	9.01
270-279			.26	1.05	1.88	1.54	.29	.02						5.04	9.46
280-289			.47	1.34	2.25	1.76	.22							6.04	8.80
290-299			.65	1.47	2.82	1.77	.18	.02						6.91	8.42
300-309			.77	1.27	1.77	1.09	.21	.06	.02					5.18	8.23
310-319			.62	.85	.76	.98	.53	.04	.02					3.61	9.06
320-329			.50	.46	.46	.82	.17	.06	.01	.01				2.48	9.21
330-339			.42	.34	.19	.52	.12							1.59	8.26
340-349			.14	.26	.04	.28	.03	.01						.76	8.34
350-359			.01	.32	.14	.26	.02							.76	8.84
CALM		1.53												1.53	
TOT		1.53	7.04	25.67	40.06	22.54	2.82	.26	.06	.01				100.00	8.44

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	BSH	B	MONTHLY			FEB								TOT	AVE SPD
		CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9			.04	.44	1.47	.13								2.07	7.61
10-19			.14	.27	.48	.02								.91	6.43
20-29			.18	.37	.08	.01								.65	4.72
30-39			.06	.27	.07	.07								.48	6.11
40-49			.11	.62	.11	.07								.91	5.36
50-59			.18	.77	.26	.07								1.28	5.43
60-69			.14	.41	.17	.02								.74	5.15
70-79			.05	.17	.06	.01								.28	5.22
80-89			.04	.07	.02									.13	4.33
90-99			.04	.04	.02									.10	4.48
100-109			.05	.07	.02	.01								.15	4.97
110-119			.02	.09	.05	.01								.17	5.61
120-129			.02	.09	.06	.02								.20	6.90
130-139			.07	.10	.09	.12	.01							.38	7.64
140-149			.02	.20	.22	.14	.02							.60	8.69
150-159			.03	.23	.36	.31	.04	.01						.98	9.21
160-169			.04	.25	.45	.32	.04	.01						1.15	8.92
170-179			.09	.33	.40	.23	.05							1.09	8.22
180-189			.20	.41	.69	.34	.01	.01						1.68	7.95
190-199			.18	.68	1.52	.28	.01							2.65	7.63
200-209			.10	.15	3.02	.50								4.38	8.19
210-219			.11	.53	2.23	.60	.01							3.48	8.45
220-229			.10	.45	.78	.20	.01							1.53	7.63
230-239			.13	.48	.53	.21	.02	.01						1.38	7.53
240-249			.18	.54	.54	.25	.02							1.53	7.41
250-259			.30	1.85	2.31	.71								5.16	7.46
260-269			.12	.39	.65	.21	.01							1.38	7.57
270-279			3.56	1.57	1.17	.33	.02							6.65	4.38
280-289			2.22	2.77	1.99	.60	.01							7.60	5.57
290-299			.06	1.17	3.28	1.46	.06	.01						6.03	8.73
300-309			.05	1.88	4.74	2.29	.15	.01						9.02	8.87
310-319			.10	2.32	5.06	2.25	.16							9.89	8.63
320-329			.04	1.41	4.33	2.30	.14	.01						8.22	9.14
330-339			.01	.88	3.80	2.36	.12							7.17	9.56
340-349			.03	.70	3.27	1.77	.08	.01						5.86	9.30
350-359			.02	.60	2.49	.60								3.71	8.37
CALM		.40												.40	
TOT		.40	8.82	24.21	46.80	18.71	.96	.07	.01					130.00	8.08

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION BSH	8	MONTHLY			MAR								TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.33	.49	.40	.22	.15	.03						1.62	7.78
10-19		.33	.62	.46	.69	.40	.07	.00					2.59	10.05
20-29		.49	.65	.75	1.32	.67	.08	.00					3.97	10.76
30-39		.78	.85	1.04	1.70	.85	.17		.00				5.39	10.67
40-49		.79	1.05	1.33	1.64	.74	.14	.00					5.70	10.00
50-59		.82	1.38	1.88	1.16	.30	.09						5.63	8.33
60-69		.58	1.26	1.12	.32	.05	.00						3.34	6.50
70-79		.58	.52	.62	.08	.00							1.82	5.59
80-89		.72	.29	.27	.02								1.31	4.20
90-99		.72	.43	.15									1.31	3.84
100-109		.62	.36	.03									1.01	3.25
110-119		.72	.48	.06									1.26	3.32
120-129		1.15	.85	.03									2.03	3.34
130-139		1.31	1.23	.06									2.60	3.54
140-149		1.18	1.14	.01									2.34	3.47
150-159		.91	.74	.01									1.67	3.30
160-169		.95	.54	.02									1.51	3.05
170-179		.68	.35	.01									1.04	3.00
180-189		.49	.38	.04									.90	3.41
190-199		.47	.66	.10	.01								1.23	4.09
200-209		.42	.93	.58	.32	.00							2.25	6.26
210-219		.33	.62	1.45	.88	.01							3.29	8.30
220-229		.34	.65	1.49	.65	.00							3.14	7.80
230-239		.37	.65	.86	.23								2.11	6.59
240-249		.28	.63	.86	.24	.01							2.02	6.94
250-259		.18	.53	1.00	.42	.02							2.14	7.85
260-269		.17	.32	.99	.51	.02							2.02	8.47
270-279		.17	.38	.90	.46	.01							1.91	8.28
280-289		.24	.37	1.05	.56	.00	.00						2.24	8.22
290-299		.36	.70	1.37	.70	.02							3.16	7.84
300-309		.42	1.22	2.23	.56	.05	.03						4.48	7.45
310-319		.43	1.41	2.17	.54	.09	.01						4.65	7.41
320-329		.43	1.59	2.13	.52	.09	.01						4.78	7.29
330-339		.46	1.51	2.40	.92	.25	.03						5.57	8.18
340-349		.39	1.12	2.05	.78	.19	.01						4.54	8.19
350-359		.40	.78	1.11	.29	.04	.01						2.63	7.13
CALM		.82											.82	
TOT		.82	20.01	27.70	31.06	15.74	4.00	.64	.01	.00			100.00	7.42

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STATION	BSN	8	MONTHLY	APR										TOT	AVE SPD
	CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9			.35	.79	1.25	.15								2.54	6.63
10-19			.29	.52	.83	.12	.00							1.76	6.55
20-29			.33	.52	.76	.29	.00							1.91	7.08
30-39			.34	.58	.97	.42	.02							2.23	7.38
40-49			.38	.64	.86	.39	.07							2.34	7.40
50-59			.38	.75	1.13	.67	.24	.02						3.20	8.68
60-69			.42	.84	1.48	.87	.10	.03						3.74	8.27
70-79			.62	.87	1.34	.56	.64							3.43	7.08
80-89			.54	.61	.88	.49	.04	.00						2.75	7.13
90-99			.42	.65	.72	.50	.03							2.32	7.44
100-109			.32	.54	.39	.18	.01	.00						1.45	6.29
110-119			.27	.46	.31	.13	.01							1.18	6.14
120-129			.29	.44	.31	.09	.00							1.14	5.77
130-139			.51	.57	.15	.04	.00							1.27	4.35
140-149			.53	.70	.13	.00								1.36	4.12
150-159			.55	.68	.10	.00								1.34	3.94
160-169			.68	.82	.05									1.55	3.79
170-179			.51	.81	.02									1.35	3.90
180-189			.41	.69	.04									1.14	4.01
190-199			.44	.55	.12	.02								1.12	4.30
200-209			.29	.43	.45	.05								1.23	5.78
210-219			.14	.44	1.70	.61	.01							2.89	8.44
220-229			.07	.42	3.71	1.49	.02							5.71	9.10
230-239			.15	.50	2.46	.79	.02							3.91	8.53
240-249			.12	.48	1.36	.45	.04							2.95	8.20
250-259			.14	.71	1.78	.51	.06	.00						3.20	8.11
260-269			.06	.41	1.91	.87	.11	.01						3.36	9.26
270-279			.12	.56	2.21	1.31	.27	.03						4.49	9.82
280-289			.20	.54	1.79	1.79	.44	.06						4.81	10.62
290-299			.16	.65	1.76	2.13	.54	.07						5.31	10.86
300-309			.21	.72	1.46	1.68	.36	.03						4.45	10.24
310-319			.27	1.35	1.27	.96	.12	.03						3.69	8.50

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	BSH	8	MONTHLY										TOT	AVE SPD
		CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	
0-9			.17	.22	.06	.01								.46 4.26
10-19			.19	.35	.08									.63 4.52
20-29			.26	.74	.12									1.12 4.61
30-39			.40	1.33	.26	.00								2.00 4.75
40-49			.47	1.73	.65	.04								2.90 5.30
50-59			.69	1.85	1.37	.12	.00							4.04 5.73
60-69			.74	1.64	1.24	.15	.00							3.78 5.80
70-79			.63	1.00	.79	.13	.01							2.55 5.66
80-89			.74	.98	.70	.12	.00							2.50 5.50
90-99			.92	1.26	.83	.15	.00							3.17 5.27
100-109			.63	1.09	.51	.12	.00							2.36 5.25
110-119			.62	.88	.37	.08	.00							1.95 4.97
120-129			.60	1.30	.47	.07	.00							2.43 5.05
130-139			.72	1.69	.58	.07								3.07 5.04
140-149			.76	1.73	.43	.03								2.95 4.73
150-159			.73	1.92	.26	.01								2.92 4.46
160-169			.52	1.55	.17									2.24 4.39
170-179			.56	1.22	.17									1.94 4.27
180-189			.38	1.05	.20									1.62 4.60
190-199			.40	1.47	.63	.05								2.55 5.38
200-209			.35	2.14	1.95	.17		.00						4.61 6.27
210-219			.51	1.68	1.97	.18		.01						4.35 6.41
220-229			.51	1.63	2.62	.62	.01	.01						5.51 7.43
230-239			.34	1.43	3.20	.82	.08	.01						5.89 7.86
240-249			.29	1.45	3.07	.57	.01							5.38 7.45
250-259			.26	1.16	1.91	.40	.00							3.73 7.20
260-269			.29	1.14	1.62	.46	.01							3.52 7.16
270-279			.42	1.00	.25	.43	.03							3.14 7.07
280-289			.35	.99	1.29	.48	.03							3.14 7.33
290-299			.40	.84	1.40	.46	.02	.00						3.06 7.26
300-309			.39	.78	1.05	.29	.02							2.53 6.76
310-319			.40	.80	.79	.24	.02							2.25 6.46
320-329			.36	.61	.55	.24	.02	.00						1.79 6.53
330-339			.35	.44	.60	.38	.09	.01						1.88 7.93
340-349			.26	.37	.32	.20	.03	.00						1.20 7.03
350-359			.19	.22	.12	.06	.02							.62 5.85
CALM		.10												.10
TOT		.10	16.84	41.66	33.65	7.16	.54	.05						100.00 6.31
													26450	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	ES4	8	MONTHLY										JUN		
		CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9			.17	.28	.62	.51	.01							1.59	8.53
10-19			.18	.26	.44	.49	.01							1.38	8.45
20-29			.25	.32	.29	.25	.00							1.11	7.01
30-39			.22	.34	.17	.08	.00							.81	5.79
40-49			.23	.51	.30	.04								1.08	5.41
50-59			.21	.69	.47	.04								1.32	5.80
60-69			.18	.45	.34	.01								.99	5.61
70-79			.21	.27	.14									.62	4.71
80-89			.20	.23	.07	.00								.51	4.38
90-99			.27	.26	.07	.00								.60	4.07
100-109			.29	.31	.05									.65	3.82
110-119			.33	.68	.18	.00								1.20	4.62
120-129			.41	1.16	.46	.01								2.05	5.07
130-139			.55	1.43	.62	.01								2.62	5.12
140-149			.71	1.29	.53	.04								2.56	4.92
150-159			.91	1.42	.38	.03								2.74	4.45
160-169			.94	1.10	.17	.01								2.21	3.95
170-179			1.41	1.59	.12	.00								3.12	3.72
180-189			1.65	2.04	.26	.00								3.83	3.33
190-199			1.77	2.30	.37	.01								4.06	
200-209			1.51	3.05	.96	.03	.00							.75	
210-219			1.30	3.80	2.37	.32	.00							.95	.67
220-229			1.34	4.44	3.22	.32								9.32	5.92
230-239			1.03	3.13	4.03	.35								8.55	6.45
240-249			.68	2.36	2.86	.16								6.06	6.33
250-259			.51	1.70	1.48	.14								3.93	6.02
260-269			.44	1.20	.63	.08	.00							2.55	5.75
270-279			.49	1.10	.90	.10								2.63	5.82
280-289			.55	1.17	1.30	.20								3.21	6.21
290-299			.32	.95	1.52	.19								2.99	6.23
300-309			.28	.89	1.22	.22	.00	.00						2.63	6.86
310-319			.38	.66	.72	.21	.02							1.99	6.48
320-329			.24	.31	.53	.23	.01							1.33	7.18
330-339			.22	.32	.60	.44	.01							1.59	8.07
340-349			.22	.41	.61	.44	.02							1.70	7.90
350-359			.15	.26	.51	.29	.01							1.22	7.96
CALM		1.23												1.23	
TOT		1.23	20.95	42.73	29.70	5.27	.11	.00						100.00	5.78
40609															

STATION	BSH	8	MONTHLY		JUL									TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56				
0-9	.62	.51	.09									1.22	3.56		
10-19	.52	.40	.09									1.01	3.54		
20-29	.53	.35	.09	.00								.98	3.60		
30-39	.64	.40	.09	.00								1.14	3.50		
40-49	.60	.36	.08									1.04	3.44		
50-59	.54	.32	.10									.96	3.48		
60-69	.50	.42	.13									.05	3.90		
70-79	.78	.45	.09									1.32	3.36		
80-89	.79	.50	.07	.00								1.36	3.37		
90-99	.99	.55	.66									1.59	3.29		
100-109	.99	.67	.06									1.72	3.35		
110-119	1.17	.81	.10									2.07	3.51		
120-129	1.24	1.02	.13									2.39	3.60		
130-139	1.03	.96	.14	.00								2.13	3.78		
140-149	.87	1.04	.14	.00								2.06	3.93		
150-159	.78	1.03	.26									2.07	4.22		
160-169	.69	1.24	.36									2.29	4.52		
170-179	.68	1.92	.82	.01								3.43	5.10		
180-189	.65	3.53	2.09	.09								6.36	5.76		
190-199	.94	6.17	6.00	.30	.00							13.41	6.30		
200-209	.84	5.64	6.80	.38								13.66	6.53		
210-219	.76	3.88	3.86	.31								8.91	6.34		
220-229	.70	2.40	1.93	.09								5.11	5.90		
230-239	.50	1.56	.87	.04								2.97	5.52		
240-249	.58	1.01	.57	.01								2.16	4.95		
250-259	.79	1.52	.64	.02								2.97	4.88		
260-269	.42	.70	.28									1.39	4.54		
270-279	.43	.81	.53	.00								1.77	5.09		
280-289	.41	.85	.68									1.95	5.38		
290-299	.48	.68	.48	.00								1.65	4.95		
300-309	.53	.59	.33									1.45	4.52		
310-319	.59	.51	.14									1.24	3.99		
320-329	.48	.51	.06									1.05	3.62		
330-339	.47	.57	.07									1.10	3.83		
340-349	.59	.55	.07									1.21	3.59		
350-359	.57	.66	.10	.00								1.34	3.86		
CALM	.59											.59			
TOT	.59	24.69	45.05	28.40	1.28	.00						100.00	5.28		

STATION	BSH	B	MONTHLY		AUG		SEP								TOT	AVE SPD
			1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9	CALM		.37	.81	.65									1.86	5.44	
10-19			.46	.69	.56	.03								1.72	5.14	
20-29			.63	.61	.28	.07								1.53	4.36	
30-39			.60	.63	.11									1.34	3.50	
40-49			.73	.54	.07									1.33	3.51	
50-59			.67	.41	.04									1.12	3.28	
60-69			.69	.52	.05									1.26	3.50	
70-79			.93	.79	.12	.01								1.64	3.77	
80-89			.82	.90	.66									1.78	3.67	
90-99			.70	.71	.02									1.43	3.55	
100-109			.70	.54	.03									1.27	3.30	
110-119			.84	.41	.00									1.26	3.01	
120-129			.83	.42										1.25	3.03	
130-139			.70	.54	.00									1.24	3.19	
140-149			.73	.52	.03									1.25	3.12	
150-159			.79	.52	.02									1.33	3.20	
160-169			.77	.70	.08	.01								1.56	3.59	
170-179			.84	1.27	.17	.03								2.30	4.17	
180-189			1.01	1.56	.33	.02								2.91	4.34	
190-199			.94	2.82	1.20	.02								4.97	5.68	
200-209			1.14	3.74	2.55	.04								7.47	5.60	
210-219			.92	3.35	2.88	.02								7.24	5.84	
220-229			.71	2.85	2.11	.05	.00							5.72	3.74	
230-239			.72	2.21	1.90	.04								4.86	5.78	
240-249			.71	1.96	1.52	.02								4.21	5.58	
250-259			.71	1.83	1.10	.03								3.67	5.39	
260-269			.64	1.64	1.05	.02								3.34	5.41	
270-279			.66	1.85	1.33	.03								3.89	5.70	
280-289			.75	1.93	1.84	.03								4.55	5.84	
290-299			.91	2.75	2.63	.08								6.36	6.00	
300-309			.74	2.09	1.01	.09								3.84	5.18	
310-319			.80	1.03	.55	.02								2.41	4.79	
320-329			.69	.80	.69	.06								2.26	5.36	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION 254 8		ANNUAL											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.36	.77	.80	.31	.05	.01	.00					2.30	7.04
10-19		.35	.63	.65	.37	.07	.02	.03					2.10	7.57
20-29		.40	.61	.56	.42	.10	.02	.00					2.11	7.73
30-39		.45	.69	.49	.37	.12	.04	.01	.00				2.17	7.74
40-43		.50	.77	.51	.30	.11	.04	.01	.00				2.24	7.20
50-59		.50	.80	.64	.26	.06	.02	.00					2.28	6.66
60-69		.47	.71	.54	.18	.02	.00	.00					1.93	6.07
70-79		.49	.52	.37	.11	.01							1.49	5.44
80-89		.45	.45	.24	.08	.01	.00						1.23	5.14
90-99		.46	.43	.20	.06	.00							1.16	4.82
100-109		.45	.43	.13	.03	.00	.00						1.05	4.33
110-119		.56	.54	.14	.02	.00							1.27	4.14
120-129		.59	.68	.18	.02	.00		.00					1.47	4.25
130-139		.61	.79	.19	.02	.00							1.61	4.31
140-149		.61	.82	.17	.02	.00							1.62	4.27
150-159		.60	.83	.15	.02	.00	.00	.00					1.60	4.24
160-169		.60	.79	.13	.02	.00	.00						1.55	4.18
170-179		.65	1.07	.24	.03	.00	.00						2.00	4.51
180-189		.65	1.43	.61	.09	.00	.00						2.78	5.21
190-199		.72	2.13	1.72	.18	.01	.00						4.76	5.94
200-209		.69	2.35	2.58	.29	.01	.00	.00					5.91	6.37
210-219		.58	2.06	2.51	.44	.00	.00	.00					5.60	6.70
220-229		.54	1.91	2.27	.46	.02	.00						5.19	6.79
230-239		.47	1.46	1.94	.36	.02	.00						4.25	6.83
240-249		.39	1.19	1.55	.27	.02	.00						3.42	6.76
250-259		.40	1.19	1.23	.31	.03	.00						3.16	6.78
260-269		.32	.91	1.04	.39	.04	.00						2.70	7.20
270-279		.54	1.01	1.16	.44	.07	.01						3.27	7.16
280-289		.52	1.22	1.36	.59	.10	.01						3.80	7.39
290-299		.41	1.19	1.59	.66	.09	.01						3.95	7.68
300-309		.39	1.12	1.43	.59	.07	.01	.00					3.61	7.55
310-319		.44	1.03	1.32	.56	.06	.01	.00					3.43	7.43
320-329		.41	.95	1.24	.57	.05	.01	.00	.00				3.25	7.47
330-339		.41	.96	1.21	.53	.06	.00						3.17	7.42
340-349		.39	.97	1.14	.45	.05	.00						3.01	7.22
350-359		.37	.87	.94	.24	.03	.00						2.46	6.70
CALM	1.10												1.10	
TOT	1.10	17.77	36.28	33.19	10.11	1.29	.22	.03	.00	.00			100.00	6.61

285121

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STATION: SAG 9	MONTHLY	SEP											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.36	.52	1.68	2.13	.17	.01						4.86	10.04	
10-19	.15	.40	1.11	1.33	.08							3.07	9.97	
20-29	.16	.25	.66	.44	.11							1.51	8.60	
30-39	.29	.25	.37	.10								1.01	5.93	
40-49	.46	.25	.16	.02								.89	4.12	
50-59	.67	.10	.07	.01								.83	3.19	
60-69	.59	.07		.01								.67	2.54	
70-79	.47	.11	.01									.59	2.66	
80-89	.29	.11	.01									.53	2.93	
90-99	.38	.25		.01								.63	3.36	
100-109	.31	.20										.50	3.12	
110-119	.25	.29	.01									.55	3.67	
120-129	.27	.36	.04									.67	4.02	
130-139	.25	.67	.08									1.01	4.41	
140-149	.36	1.61	.31									2.27	4.66	
150-159	.90	3.08	.56	.04								4.50	4.63	
160-169	1.92	4.73	1.03	.10								7.79	4.72	
170-179	1.94	6.23	1.03	.28	.02							9.40	4.92	
180-189	1.35	6.73	1.26	.52	.06							9.42	5.44	
190-199	.96	4.47	1.12	.33	.07							6.95	5.51	
200-209	.60	2.43	.99	.08	.01							4.31	5.22	
210-219	.68	2.54	.90	.01								4.14	5.12	
220-229	.35	1.70	.46	.01								2.83	4.78	
230-239	.51	.88	.04									1.43	4.01	
240-249	.77	.63	.01									1.31	3.47	
250-259	.79	.70										1.49	3.42	
260-269	.99	.79	.02									1.80	3.39	
270-279	.84	.60	.05	.01								1.50	3.46	
280-289	1.02	1.13	.21	.01								2.37	3.97	
290-299	1.27	2.04	.25	.04								3.60	4.14	
300-309	1.09	2.15	.49	.08								3.80	4.57	
310-319	1.09	1.50	.34	.02								2.95	4.24	
320-329	1.42	1.33	.16	.01								2.92	3.67	
330-339	1.16	.78	.10	.06								2.10	3.76	
340-349	1.09	.47	.21	.27	.03							2.06	5.08	
350-359	.66	.44	.77	.93	.05							2.89	8.21	
CALM	.73											.73		
TOT	.73	27.06	10.32	14.50	6.90	.49	.01					100.00	5.27	
												15378		

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STATION	SAG	9	MONTHLY		NOV												TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56						
0-9		1.07	1.97	1.50	.12	.06	.01						4.74	5.76				
10-19		1.13	1.99	1.63	.16	.08							4.98	5.81				
20-29		.92	1.62	1.33	.45	.25	.08						4.66	7.19				
30-39		.67	1.33	.90	.63	.50	.10						4.13	8.63				
40-49		.56	1.23	.48	.50	.28	.02						3.07	7.62				
50-59		.53	1.42	.56	.26	.04	.01						2.91	5.96				
60-69		.25	.63	.23	.14	.01							1.26	5.77				
70-79		.16	.19	.12	.03								.53	4.97				
80-89		.12	.08	.11	.02								.32	5.28				
90-99		.58	.06	.11	.01								.56	3.49				
100-109		.41	.19	.22	.01								.82	4.21				
110-119		.64	.52	.46	.03								1.65	4.67				
120-129		.94	.73	.55	.03								2.25	4.42				
130-139		.68	.97	.52	.06								2.32	5.06				
140-149		.97	1.17	.67	.16	.01							3.01	5.18				
150-159		.72	.78	.82	.41								2.74	6.21				
160-169		.60	.46	.70	.12								2.10	5.38				
170-179		.85	1.21	.54	.12								2.72	4.81				
180-189		.56	1.60	.76	.17								3.09	5.44				
190-199		.49	1.50	.92	.13								3.03	5.63				
200-209		.46	.92	1.00	.15								2.53	6.19				
210-219		.23	.73	1.22	.51								2.69	7.64				
220-229		.23	.48	1.11	.74	.01							2.57	8.42				
230-239		.15	.21	.45	.75	.01							1.59	9.62				
240-249		.13	.11	.15	.59	.06							1.05	10.69				
250-259		.14	.12	.06	.38	.04							.74	9.41				
260-269		.28	.11	.13	.29	.05							.95	7.96				
270-279		.62	.23	.35	.56	.13	.01						1.87	8.04				
280-289		1.26	.48	.24	.33	.03							2.34	5.19				
290-299		1.52	.95	.16	.05	.01							2.59	3.73				
300-309		1.15	1.41	.46	.04								3.05	4.41				
310-319		.92	1.17	.92	.03								3.04	5.09				
320-329		.90	1.61	1.33	.24								4.09	5.79				
330-339		.09	2.19	2.20	.59	.65							6.22	6.53				
340-349		.98	2.14	1.95	.89	.09							6.05	6.91				
350-359		.89	2.11	1.85	.33	.08	.03						5.29	6.39				
CALM	2.52												2.52					
TOT	2.52	23.86	34.57	26.83	10.15	1.81	.24						100.00	6.21				

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STATION SAG	9	MONTHLY											JAN			
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVL SPD		
0-9		.21	.12	.05	.07	.02	.00						.48	5.31		
10-19		.12	.19	.21	.20	.07	.01						.81	9.06		
20-29		.12	.42	.52	.64	.19							2.09	10.23		
30-39		.18	.42	.78	1.06	.24	.01						2.88	10.17		
40-49		.26	.33	.51	.70	.12	.00						1.93	9.44		
50-59		.30	.21	.17	.12	.01							.81	5.99		
60-69		.22	.13	.02	.02								.45	3.65		
70-79		.25	.12	.01									.79	3.21		
80-89		.28	.11	.01									.39	3.17		
90-99		.17	.10	.01									.28	3.27		
100-109		.12	.07	.01									.20	3.30		
110-119		.08	.03	.01	.30								.12	3.47		
120-129		.03	.04		.01								.08	5.06		
130-139		.06	.04	.01	.06								.11	3.65		
140-149		.06	.07	.03	.04								.26	5.99		
150-159		.19	.16	.30	.18	.00							.85	7.32		
160-169		.30	.32	.53	.43	.02							1.70	7.81		
170-179		.42	.89	.99	.38	.02							2.69	6.82		
180-189		.31	1.32	1.03	.12	.00							2.79	6.19		
190-199		.42	2.13	1.69	.13								4.42	6.15		
200-209		.60	3.83	1.35	.31								6.55	5.90		
210-219		.98	3.59	1.58	.37		.00						6.52	5.71		
220-229		1.68	3.58	1.25	.34								6.26	5.47		
230-239		1.13	3.75	1.23	.12								6.23	5.14		
240-249		1.49	2.27	.66	.04								4.45	4.49		
250-259		1.66	1.27	.25	.04								3.22	3.79		
260-269		1.63	1.31	.25	.05								2.94	3.74		
270-279		1.64	1.47	.30	.39	.02							4.32	5.23		
280-289		1.55	2.11	2.24	1.70	.19	.01						7.66	7.59		
290-299		1.08	2.12	2.72	2.21	.25	.02						8.39	8.22		
300-309		.70	1.85	2.29	1.55	.26	.04						6.70	8.26		
310-319		.50	1.45	1.33	1.02	.13	.01						4.50	7.92		
320-329		.49	1.00	.77	.55	.10	.01						2.85	7.30		
330-339		.46	.51	.37	.28	.05							1.67	6.70		
340-349		.24	.26	.16	.16	.02							.85	6.44		
350-359		.37	.16	.00	.08	.01	.00						.68	4.72		
CALM	2.42												2.42			
TOT	2.42	19.55	37.46	25.04	13.66	1.73	.12						190.00	6.55		
28432																

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	SAG	9	MONTHLY			FEB			28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
		CALM	1-3	4-6	7-10	11-16	17-21	22-27							
0-9			1.46	2.39	1.42	1.64	.66	.07						7.64	8.16
10-19			1.24	1.62	.52	.78	.31	.05						4.92	7.22
20-29			1.05	1.45	.61	.29	.05							3.44	5.58
30-39			.79	1.05	.34	.10	.01							2.29	4.84
40-49			.41	.52	.16	.01								1.10	4.43
50-59			.29	.25	.13									.67	4.24
60-69			.20	.12	.11	.01	.00							.46	4.72
70-79			.21	.14	.12	.04								.51	4.99
80-89			.20	.14	.10	.03								.47	4.71
90-99			.25	.12	.04	.02								.42	3.76
100-109			.20	.13	.02	.00								.36	3.51
110-119			.21	.14	.02									.37	3.38
120-129			.26	.20	.04	.11	.03							.65	6.06
130-139			.21	.20	.04	.00								.46	3.83
140-149			.20	.29	.06									.55	4.11
150-159			.28	.46	.15	.01								.90	4.40
160-169			.43	1.25	.55	.03								2.29	5.22
170-179			.51	2.04	.55	.02								3.23	5.14
180-189			.33	1.27	.37	.02								1.96	5.04
190-199			.37	.80	.28	.03	.01							1.48	4.66
200-209			.46	.50	.51	.09	.01							1.58	5.58
210-219			.39	.69	.55	.15	.09							1.67	5.49
220-229			.39	.85	.63	.17	.03							2.07	6.17
230-239			.46	.83	.55	.11	.00							1.95	5.58
240-249			.59	.69	.52	.10								2.08	5.15
250-259			.73	1.09	.53	.06								2.42	4.89
260-269			1.05	.87	.36	.04								2.34	4.28
270-279			.99	.90	.29	.01								2.19	4.07
280-289			1.36	1.71	.86	.13	.30							4.06	4.84
290-299			2.34	3.05	1.78	.41	.00							7.58	5.23
300-309			1.45	2.91	2.41	.48	.01							7.26	5.97
310-319			.95	2.46	2.19	.54	.00							6.15	6.30
320-329			1.01	1.92	1.77	.36								5.07	6.03
330-339			1.64	1.80	1.37	.32	.02	.00						4.55	5.85
340-349			1.12	2.00	1.63	.82	.09	.00						5.66	6.69
350-359			1.24	2.48	1.73	1.48	.33	.04						7.30	7.64
CALM		1.69												1.69	
TOT		1.69	24.62	30.56	23.82	9.42	1.66	.17						100.00	5.94
														29790	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION SAG 9	MONTHLY	MAR											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.61	.52	.52	.79	.37	.05						2.85	9.49	
10-19	.66	.49	.79	1.77	.97	.19						4.88	11.78	
20-29	.50	.55	1.49	2.23	1.33	.26	.01					6.38	12.18	
30-39	.34	1.37	2.20	1.42	.52	.10						6.54	8.81	
40-49	1.01	2.07	2.36	.65	.05	.00						6.14	6.62	
50-59	.59	1.43	1.00	.17		.00						3.25	5.84	
60-69	.57	.51	.15	.01								1.24	3.96	
70-79	.37	.22	.04	.00								.83	3.21	
80-89	.74	.19	.00	.00								.94	2.74	
90-99	.65	.26	.00	.00								.92	2.96	
100-109	.56	.23	.03									.82	3.03	
110-119	.54	.29	.04									.86	3.33	
120-129	1.43	.51	.14	.02								2.11	3.27	
130-139	1.99	.57	.03	.00								2.59	2.82	
140-149	.50	.71	.11	.01								1.32	4.15	
150-159	.55	1.12	.19	.01								1.87	4.38	
160-169	.93	2.05	.34	.00								3.32	4.42	
170-179	1.58	2.47	.51	.03								4.59	4.27	
180-189	.58	.92	.40	.10								1.90	5.08	
190-199	.79	.59	.47	.19								2.04	5.14	
200-209	.40	.84	.77	.17								2.17	6.12	
210-219	.54	1.06	.86	.11	.00							2.57	5.62	
220-229	.49	.71	.45	.08	.00							1.74	5.29	
230-239	.49	.55	.48	.06	.00							1.58	5.31	
240-249	.40	.61	.68	.02								1.72	5.56	
250-259	.44	.80	.37	.02								1.63	4.91	
260-269	.34	.75	.18	.00								1.27	4.64	
270-279	.54	.55	.13									1.31	4.03	
280-289	.66	.75	.23	.01								1.64	4.23	
290-299	1.29	2.16	1.22	.14	.01							4.82	5.17	
300-309	.94	2.19	1.70	.50	.04							5.37	6.27	
310-319	.68	2.06	1.44	.48	.06							4.71	6.51	
320-329	.82	1.52	.93	.32	.03							3.62	5.89	
330-339	.69	1.32	.76	.21	.01							2.98	5.61	
340-349	.54	1.26	.55	.11	.00							2.46	5.41	
350-359	.66	.69	.49	.13	.06							2.02	5.69	
CALM	2.99											2.99		
TOT	2.99	26.18	34.94	22.06	9.76	3.46	.61	.01				100.00	6.22	
26305														

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STATION	SAG	9	MONTHLY	APR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
CALM																	
0-9					.87	1.16	.62	.30	.01							2.96	5.48
10-19					.80	1.27	.51	.36	.01							2.95	5.68
20-29					.64	1.31	.58	.20								2.73	5.46
30-39					.51	1.20	.85	.13	.00							2.69	5.71
40-49					.33	.86	1.22	.37	.01							2.79	7.12
50-59					.26	.61	1.00	.47	.05							2.59	7.62
60-69					.23	.64	.50	.44	.01							1.91	7.40
70-79					.33	.45	.57	.25	.03	.00						1.63	6.95
80-89					.30	.48	.44	.31	.08	.00						1.61	7.63
90-99					.65	.38	.35	.21	.05	.01						1.65	6.00
100-109					.13	.20	.20	.21	.02							.96	7.64
110-119					.12	.20	.26	.10	.01							.69	7.08
120-129					.15	.23	.19	.07								.65	6.11
130-139					.21	.24	.15	.04								.64	5.29
140-149					.21	.30	.23	.04								.78	5.55
150-159					.47	.57	.38	.02								1.45	5.01
160-169					.95	1.37	1.20	.05								3.47	5.47
170-179					1.37	2.58	2.10	.21								6.26	5.66
180-189					.50	1.31	.90	.13								2.85	5.76
190-199					.23	.74	.44	.11								1.52	5.93
200-209					.22	.89	.31	.11								1.53	5.55
210-219					.46	1.69	1.03	.32	.00							3.51	6.15
220-229					.47	1.63	1.59	.63	.00							4.32	6.97
230-239					.49	1.25	1.62	.47	.00							3.82	6.94
240-249					.57	1.19	1.34	.35	.02							3.46	6.57
250-259					.31	1.23	.94	.23								2.91	6.07
260-269					.46	1.17	.64	.28	.00							2.75	6.25
270-279					.52	1.04	.95	.37	.01							2.88	6.46
280-289					.63	1.02	1.24	.67	.05							3.61	7.22
290-299					1.00	1.46	2.26	1.49	.07	.01						6.27	7.74
300-309					1.27	1.08	1.84	1.33	.14	.00						5.72	7.64
310-319					1.21	.82	.83	.49	.03	.00						3.38	5.92
320-329					1.23	.70	.30	.13	.02							2.38	4.29
330-339					1.12	.69	.22	.04								2.07	3.70
340-349					1.05	.79	.24	.01								2.23	3.92
350-359					.95	1.03	.50	.07								2.54	4.66
CALM					3.85											3.85	
TOT					3.85	21.34	34.08	29.04	11.02	.62	.03					100.00	6.17
																25751	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION SAG 9	MONTHLY												TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56		
0-9		.23	.26	.06									.55	3.92
10-19		.19	.49	.09									.77	4.66
20-29		.39	.95	.41	.01								1.76	5.00
30-39		.47	2.05	1.13	.03								3.67	5.52
40-49		.70	2.62	2.01	.08								5.42	5.86
50-59		1.22	1.67	1.43	.09								4.41	5.35
60-69		.69	.94	.55	.09								2.27	5.23
70-79		.81	.67	.31	.03								1.81	4.26
80-89		.83	.58	.22	.03								1.67	4.02
90-99		.84	.51	.22	.03								1.60	3.97
100-109		.77	.45	.18	.01								1.41	3.86
110-119		.61	.42	.10	.02								1.16	3.82
120-129		.99	.58	.15	.02	.00							1.74	3.65
130-139		.73	.73	.21	.05	.00							1.73	4.33
140-149		.76	.97	.48	.06	.00							2.26	4.82
150-159		.54	1.50	.76	.09	.01							2.89	5.47
160-169		.50	2.61	1.50	.17								4.79	5.95
170-179		.77	3.01	2.30	.21								6.29	6.06
180-189		.59	2.60	1.62	.20								5.01	5.91
190-199		.57	2.39	1.20	.23	.01							4.39	5.89
200-209		.43	1.14	.85	.17	.00							2.60	6.01
210-219		.44	.91	1.19	.27								2.81	6.67
220-229		.53	1.03	1.00	.30								2.90	6.30
230-239		.26	1.69	1.39	.44	.01							3.80	6.87
240-249		.35	1.80	1.65	.60	.03							4.43	7.06
250-259		1.00	1.89	1.34	.56	.05							4.83	6.25
260-269		1.05	1.54	1.00	.32	.02							2.97	5.75
270-279		.87	1.12	.47	.13	.00							2.60	4.91
280-289		.95	1.06	.24	.01								2.28	4.15
290-299		1.86	1.52	.27	.01								3.68	3.65
300-309		.94	1.05	.45	.08								2.42	4.77
310-319		.94	.92	.65	.09								2.66	4.86
320-329		.25	.63	.46	.10	.00							1.44	6.01
330-339		.96	.35	.22	.05								1.57	3.90
340-349		.45	.25	.14	.05								.89	4.16
350-359		.79	.19	.05									1.03	2.90
CALX	.51												.51	
TOT	.51	25.17	43.20	26.35	4.62	.15							100.00	5.51
													26405	

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STATION	SAG	9	MONTHLY	JUL													
	CALW	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE	SPO		
0-9		.42	.80	.09									1.31	4.05			
10-19		.45	1.33	.17									1.95	4.50			
20-29		1.03	1.33	.34	.02								2.78	4.13			
30-39		.80	1.33	.30	.01								2.43	4.37			
40-49		.94	1.46	.21									2.61	4.11			
50-59		.82	1.02	.12									1.96	3.98			
60-69		.77	.58	.04									1.39	2.31			
70-79		.52	.28	.01									.82	3.15			
80-89		.44	.12	.02									.58	2.76			
90-99		.32	.08	.05									.45	2.02			
100-109		.23	.05	.07	.00								.34	3.66			
110-119		.21	.08	.04	.01								.34	3.59			
120-129		.19	.03	.02	.00								.30	3.40			
130-139		.35	.14	.01									.51	2.75			
140-149		.30	.36	.06									.72	4.01			
150-159		.63	.83	.20	.00								1.67	4.21			
160-169		.93	1.85	.65	.01								3.43	4.72			
170-179		1.99	3.69	1.15	.03								6.77	4.63			
180-189		2.16	4.48	1.70	.09								8.42	4.94			
190-199		1.58	5.30	2.20	.05								9.63	5.22			
200-209		1.13	4.52	1.39	.05								7.08	5.08			
210-219		1.05	3.64	.85	.10	.00							5.16	5.03			
220-229		.84	2.58	.86	.11	.01							4.39	5.15			
230-239		.85	3.49	1.01	.16								5.54	5.22			
240-249		.99	4.15	1.10	.14								6.37	5.11			
250-259		1.08	2.79	.59	.07								4.43	4.67			
260-269		1.17	1.64	.19	.01								3.01	3.94			
270-279		1.32	.94	.06									2.32	3.37			
280-289		1.27	.71	.09									2.04	3.28			
290-299		1.29	1.07	.14	.02								2.51	3.69			

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STATION	SAG	9	MONTHLY			AUG										TOT	AVE SPD
	CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56				
0-9			1.04	.93	.30	.00								2.28	4.05		
10-19			1.43	1.20	.52									3.20	3.93		
20-29			1.05	1.14	.42									2.60	4.17		
30-39			1.08	.77	.11	.00								1.96	3.46		
40-49			1.99	.72	.13									2.84	2.91		
50-59			1.69	.86	.09									2.63	3.18		
60-69			1.14	.37	.02									1.54	2.70		
70-79			.62	.17	.00									.79	2.42		
80-89			.86	.15										1.02	2.33		
90-99			.33	.08	.00									.41	2.69		
100-109			.56	.11	.00									.48	2.55		
110-119			.43	.11										.54	2.54		
120-129			.42	.15	.01									.58	2.95		
130-139			.30	.23										.53	3.26		
140-149			.37	.38	.04									.80	3.73		
150-159			.59	.77	.12									1.49	4.02		
160-169			1.12	2.01	.31	.00								3.44	4.23		
170-179			1.86	3.51	.50									5.86	4.28		
180-189			1.92	4.06	.52	.01								6.51	4.29		
190-199			1.40	3.46	.37	.01								5.23	4.29		
200-209			1.09	3.03	.37	.01								4.51	4.40		
210-219			1.02	2.91	.31	.00								4.25	4.45		
220-229			.92	2.20	.32									3.44	4.48		
230-239			.89	2.54	.43	.02								3.87	4.61		
240-249			1.03	2.60	.46	.02								4.11	4.50		
250-259			1.17	2.05	.37	.02								3.62	4.23		
260-269			1.46	1.65	.21	.02								3.38	3.80		
270-279			2.15	1.08	.03	.00								3.26	3.12		
280-289			2.42	.62	.03									3.06	2.76		
290-299			2.88	.97	.03									3.88	2.78		
300-309			3.22	.11	.06									4.19	2.68		
310-319			2.25	1.26	.10									3.61	3.17		
320-329			1.44	.83	.12									2.39	3.32		
330-339			1.50	.78	.09									2.36	3.02		
340-349			.73	.56	.06									1.38	3.41		
350-359			.94	.60	.16	.00								1.71	3.54		
CALM		2.25												2.25			
TOT		2.25	45.14	45.84	6.65	.12								100.00	3.73		

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	SAC	9	ANNUAL										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.74	1.01	.76	.48	.11	.01						3.10	6.85
10-19		.66	.95	.64	.41	.12	.02						2.81	6.96
20-29		.65	.97	.68	.39	.14	.02	.00					2.86	7.02
30-39		.66	1.01	.77	.31	.09	.01						2.85	6.55
40-49		.72	1.00	.74	.23	.03	.00						2.71	5.85
50-59		.65	.72	.44	.11	.01	.00						1.92	5.22
60-69		.46	.37	.18	.08	.00							1.09	4.81
70-79		.38	.23	.11	.04	.00	.00						.76	4.37
80-89		.42	.19	.08	.03	.01	.00						.73	4.04
90-99		.39	.17	.07	.02	.00	.00						.66	3.83
100-109		.33	.17	.08	.02	.00							.59	3.96
110-119		.31	.21	.10	.01	.00							.64	4.14
120-129		.43	.28	.14	.03	.00							.87	4.26
130-139		.46	.37	.16	.03	.00							1.02	4.34
140-149		.39	.61	.31	.05	.00							1.36	5.12
150-159		.55	1.01	.54	.11	.00							2.20	5.36
160-169		.81	1.75	.90	.14	.00							3.61	5.37
170-179		1.20	2.72	1.23	.14	.00							5.29	5.22
180-189		1.04	2.59	1.06	.13	.00							4.81	5.20
190-199		.94	2.55	1.00	.14	.01							4.65	5.24
200-209		.81	2.10	.64	.12	.00							3.88	5.23
210-219		.79	1.95	.60	.16	.01	.00						3.71	5.34
220-229		.70	1.75	.75	.19	.00							3.41	5.46
230-239		.67	1.85	.75	.18	.00							3.45	5.43
240-249		.78	1.71	.72	.15	.01							3.36	5.28
250-259		.92	1.38	.51	.11	.01							2.92	4.85
260-269		1.06	1.19	.38	.09	.01							2.72	4.50
270-279		1.15	1.07	.40	.17	.02	.00						2.81	4.75
280-289		1.24	1.19	.63	.34	.04	.00						3.45	5.46
290-299		1.53	1.73	.96	.44	.04	.00						4.70	5.53
300-309		1.25	1.67	1.04	.40	.04	.00						4.40	5.72
310-319		1.07	1.51	.85	.27	.02	.00						3.71	5.45
320-329		.51	1.24	.62	.16	.01	.00						2.94	5.18
330-339		.86	1.07	.56	.14	.01	.00						2.65	5.08
340-349		.71	1.00	.56	.19	.02	.00						2.48	5.50
350-359		.75	1.01	.68	.30	.04	.01						2.78	6.04
CALM	2.06												2.06	
TOT	2.06	27.39	42.30	21.04	6.30	.81	.09	.00					100.00	5.43

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STATION	TIME	10	MONTHLY	OCT	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9	CALV	1-5	4-6	7-10										
10-19		.38	.42	.02									.82	3.31
20-29		.40	.08										.48	1.90
30-39		1.05											1.05	1.10
40-49		1.12	.02										1.14	1.30
50-59		1.26											1.26	1.20
60-69		1.01	.02										1.03	1.22
70-79		1.35	.04										1.39	1.23
80-89		.84	.00										.86	1.51
90-99		1.31	.06										1.37	1.56
100-109		1.48	.11										1.58	1.79
110-119		1.43	.50										1.73	2.12
120-129		2.38	.23										2.32	2.07
130-139		1.90	.87										2.57	2.52
140-149		1.98	.74	.02									2.74	2.61
150-159		1.92	.51	.02									2.45	2.33
160-169		2.53	.46										2.99	2.23
170-179		2.42	1.03	.04									3.54	2.76
180-189		1.31	.93										2.23	2.85
190-199		.61	.48										1.10	2.90
200-209		.21											.21	1.04
210-219		.66	.02										.08	2.40
220-229		.96											.06	.60
230-239		.17											.17	2.05
240-249		.27	.06										.34	2.61
250-259		.46	.04										.44	2.13
260-269		.89	.06										.95	2.12
270-279		2.04	.77										2.32	2.39
280-289		2.51	.94										3.35	2.61
290-299		3.92	.93	.00									4.62	2.68
300-309		4.15	1.48	.03									5.86	3.15
310-319		3.62	1.60	.44	.02								5.99	3.37
320-329		3.91	2.72	.00	.02								6.75	4.08
330-339		2.23	3.96	1.60									7.88	4.76
340-349		1.50	2.73	1.60	.11								7.08	5.16
350-359		1.41	1.33	1.01	.04								4.30	4.62
360-369		.61	.53	.11				</						

STATION	TWK 10	MONTHLY	NOV										TOT	AVE SPD
CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56		
0-9		1.45	1.8	.63	.30	.07	.02						4.29	5.18
10-19		1.49	1.48	.63	.15	.12	.03	.00					3.91	5.19
20-29		1.66	1.66	.65	.06	.12	.06						4.43	5.04
30-39		1.45	1.52	.44	.16	.29	.10	.01					4.01	6.01
40-49		1.07	.91	.22	.22	.21	.07	.00					2.69	6.13
50-59		.81	.36	.14	.08	.03	.01						1.45	4.20
60-69		.60	.26	.11	.02	.01							1.01	3.50
70-79		.48	.18	.08	.00								.74	3.06
80-89		.57	.27	.06									.91	2.88
90-99		.52	.29	.03	.01								1.01	3.09
100-109		.67	.37	.13	.03								1.21	3.50
110-119		.75	.31	.12	.05								1.23	3.39
120-129		.78	.23	.13	.08	.01							1.22	3.72
130-139		.83	.11	.09	.08								1.11	3.26
140-149		.89	.11	.10	.10								1.19	3.36
150-159		.99	.33	.06	.07	.01							1.46	3.40
160-169		.88	.41	.07	.06								1.41	3.52
170-179		.60	.64	.16	.07								1.47	4.32
180-189		.47	.93	.31	.07	.01							1.79	5.01
190-199		.65	1.34	.66	.15	.01							2.80	5.45
200-209		.72	1.30	.81	.19	.00							3.03	5.61
210-219		.74	1.15	.60	.28	.01							2.79	5.68
220-229		.75	.94	.47	.33	.02							2.40	5.79
230-239		.76	.57	.34	.17	.00							1.85	5.08
240-249		.84	.71	.41	.10	.00							2.06	4.77
250-259		1.06	.98	.59	.15	.01							2.79	4.92
260-269		1.50	1.24	.75	.22	.05	.00						3.76	5.08
270-279		1.74	.90	.74	.32	.03	.01						3.73	4.94
280-289		2.03	.71	.56	.21	.03							3.53	4.21
290-299		2.00	.64	.32	.09	.01							3.07	3.55
300-309		1.55	.91	.40	.03	.01							3.00	3.75
310-319		1.36	1.13	.52	.03								3.04	4.14
320-329		1.48	1.49	.68	.02								3.67	4.31
330-339		1.64	2.09	.79	.05		</							

STATION	TWK 10	MONTHLY										DEC										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56											
0-9		2.00	3.97	.82	.00								6.60	4.40									
10-19		1.34	3.24	1.11	.04								5.76	4.89									
20-29		.93	1.88	1.09	.09								5.98	5.29									
30-39		.61	.94	.50	.08								2.14	5.11									
40-49		.37	.61	.33	.03								1.33	4.93									
50-59		.22	.27	.20	.01								.70	4.75									
60-69		.21	.12	.11	.01								.45	4.24									
70-79		.12	.04	.08									.24	4.04									
80-89		.19	.03	.04	.01								.26	2.71									
90-99		.22	.01	.01	.00								.24	1.59									
100-109		.33	.00	.01									.35	1.49									
110-119		.52		.00									.52	1.37									
120-129		.61	.01										.62	1.56									
130-139		.73	.01										.74	1.72									
140-149		.82	.04		.00								.86	1.99									
150-159		1.01	.15	.01									1.17	2.32									
160-169		1.04	.24	.02									1.30	2.53									
170-179		1.04	.73	.12									1.89	3.44									
180-189		.78	.76	.15	.01								1.69	3.81									
190-199		.94	.80	.27	.01								2.03	3.98									
200-209		1.21	.71	.35	.03								2.28	3.94									
210-219		1.12	.75	.28	.02								2.17	3.92									
220-229		.96	.73	.39	.08								2.14	4.36									
230-239		.85	.64	.59	.22	.01							2.31	5.44									
240-249		.87	.75	.91	.37	.05							2.96	6.29									
250-259		1.09	.59	.79	.49	.06							3.02	6.35									
260-269		1.51	.62	.65	.69	.12							3.60	6.27									
270-279		1.74	.87	.86	.84	.13	.01						4.44	6.33									
280-289		2.39	1.25	.95	.75	.13	.01						5.47	5.64									
290-299		2.48	1.20	.91	.55	.06							5.10	5.08									
300-309		2.35	1.22	.53	.23	.03							4.36	4.22									
310-319		2.22	.92	.37	.09	.00							3.60	3.60									
320-329		2.50	1.00	.31	.06								3.90	3.42									
330-339		2.59	1.58	.47	.04								4.68	3.73									
340-349		2.29	1.54	.48</																			

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
FROM ONE MINUTE AVERAGES

STATION TWA 10	MONTHLY	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9	CALM	.84	.89	.10	.07								1.56	4.16
10-19		.58	.75	.87	.18								2.37	5.88
20-29		.46	.93	1.51	.37	.01							3.28	6.96
30-39		.56	.59	.99	.22	.01							2.37	6.28
40-49		.44	.40	.38	.07								1.29	5.15
50-59		.34	.22	.09									.65	3.64
60-69		.38	.10	.02									.50	2.27
70-79		.26	.05										.30	1.86
80-89		.32	.03										.35	1.70
90-99		.34	.03										.37	1.69
100-109		.47	.02										.49	1.37
110-119		.77	.07										.83	1.61
120-129		.88	.09										.97	1.74
130-139		.86	.08	.00									.95	1.86
140-149		.95	.24										1.19	2.21
150-159		1.09	.57	.03									1.69	2.81
160-169		1.10	.69	.09									1.88	3.17
170-179		.98	.77	.25	.01								2.01	3.77
180-189		.92	.80	.44	.02								2.20	4.37
190-199		1.30	1.25	.25	.06								3.26	4.50
200-209		1.87	1.53	.06	.03								4.11	4.15
210-219		2.05	1.66	.73	.06								4.50	4.16
220-229		2.04	1.74	.61	.07								4.46	4.07
230-239		1.68	1.74	.53	.01								3.95	4.10
240-249		1.65	1.88	.85	.11								4.49	4.59
250-259		1.43	1.45	1.09	.27	.00							4.29	5.19
260-269		1.45	1.15	1.40	.59	.01							4.61	6.02
270-279		1.36	.97	1.30	.74	.02							4.39	5.43
280-289		1.43	1.27	1.69	1.10	.07							5.73	7.05
290-299		1.20	1.52	2.59	1.40	.08	.01						6.91	7.55
300-309		1.23	1.60	2.51	1.14	.07	.01						6.59	7.22
310-319		.98	1.42	1.15	.83	.07							5.06	7.00
320-329		.69	.92	.93	.55	.02							3.11	6.78
330-339		.59	.53	.33	.24	.01							1.97	6.07
340-349		.37	.29	.31	.15	.00							1.13	5.85
350-359		.45	.24	.14	.04								.87	4.22
CALM	5.32												5.32	
TOT	5.32	34.18	28.28	23.50	3.31	.39	.02						100.00	5.25

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STATION TWK 10	MONTHLY	FEB											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	1.77	1.68	.79	.82	.12	.00						5.18	6.04	
10-19	1.25	.83	.64	1.03	.15							3.95	7.17	
20-29	.94	.76	.28	.68	.14							2.80	6.86	
30-39	.98	.33	.15	.19	.05	.00						1.91	4.64	
40-49	.65	.35	.13	.04	.01	.00						1.19	3.97	
50-59	.49	.33	.07	.02								.91	3.48	
60-69	.39	.21	.05	.01								.66	3.24	
70-79	.31	.13	.02									.46	2.76	
80-89	.31	.05	.01									.41	2.60	
90-99	.26	.06	.01									.33	2.30	
100-109	.11	.07	.00									.42	2.12	
110-119	.44	.08										.52	2.22	
120-129	.40	.03		.01								.48	2.46	
130-139	.50	.08	.01	.01								.61	2.48	
140-149	.70	.12	.09	.05	.00							.95	3.54	
150-159	1.07	.24	.18	.12								1.62	4.11	
160-169	.68	.40	.23	.19	.01							1.52	5.22	
170-179	.52	.55	.22	.14	.03	.00						1.46	5.44	
180-189	.40	.90	.24	.05	.00							1.49	4.92	
190-199	.39	1.00	.37	.01								1.77	4.96	
200-209	.52	1.14	.36	.01								2.03	4.82	
210-219	.58	1.28	.37	.01								2.24	4.71	
220-229	.46	.79	.29	.02								1.55	4.70	
230-239	.63	.52	.30	.04								1.48	4.59	
240-249	.90	.62	.38	.08								1.98	4.61	
250-259	.92	.87	.64	.18								2.51	5.43	
260-269	.93	.91	.74	.24	.00							2.83	5.56	
270-279	1.19	1.02	.95	.31	.01							3.49	5.62	
280-289	1.42	1.61	1.40	.45	.01							4.96	5.88	
290-299	1.57	2.47	2.18	.35	.01							6.89	6.06	
300-309	1.89	2.78	2.40	.52								7.58	5.78	
310-319	1.82	2.53	2.13	.36	.00							6.94	5.56	
320-329	1.70	2.77	1.81	.22								6.52	5.32	
330-339	1.81	3.03	1.79	.22								6.86	5.23	
340-349	1.71	3.14	1.64	.20								6.07	5.18	
350-359	1.53	2.67	.88	.21	.01							5.30	4.90	
CALM	1.52											1.52		
TOT	1.52	32.29	36.69	21.84	7.10	.55	.01					100.00	5.35	

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STATION	TWK	10	MONTHLY										MAR		TOT	AVE SPD
	CALW	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56				
0-5		1.75	.72	.81	.92	.06	.00						4.24	6.20		
10-19		1.89	.97	1.14	.41	.11							5.51	6.92		
20-29		2.19	1.45	1.52	1.57	.11							6.86	6.87		
30-39		1.94	1.98	1.65	1.09	.17							6.83	6.42		
40-49		1.70	1.49	1.20	.31	.05							4.86	5.30		
50-59		1.41	1.16	.58	.07	.01							3.23	4.26		
60-69		1.03	.62	.19	.00	.00							1.84	3.43		
70-79		1.03	.35	.06									1.45	2.72		
80-89		.83	.21	.01									1.06	2.27		
90-99		.82	.17	.03									1.12	2.19		
100-109		1.17	.26	.01									1.44	2.36		
110-119		1.23	.37										1.60	2.49		
120-129		1.42	.50	.02									1.94	2.52		
130-139		1.67	.45	.04									1.56	2.83		
140-149		.93	.39	.03									1.35	2.76		
150-159		.72	.19	.01									.91	2.45		
160-169		.67	.24	.01									.92	2.66		
170-179		.56	.33	.03									.92	3.20		
180-189		.19	.45	.17	.63								1.13	4.30		
190-199		.47	.58	.27	.06								1.31	5.15		
200-209		.57	.86	.57	.09								2.09	5.34		
210-219		.72	.94	.42	.15								2.24	5.15		
220-229		.68	.71	.25	.02	.01							1.73	4.77		
230-239		.46	.55	.23	.07								1.30	4.70		
240-249		.40	.41	.49	.07								1.37	5.61		
250-259		.40	.48	.95	.17								2.01	6.47		
260-269		.75	.52	1.23	.10								2.79	6.42		
270-279		1.29	.68	1.11	.13	.31							2.43	5.71		
280-289		2.01	.74	1.00	.37	.01							4.09	5.02		
290-299		2.04	1.11	.92	.30	.02							4.35	4.89		
300-309		1.77	1.09	.65	.18	.03							3.74	4.59		
310-319		1.61	1.06	.50	.08	.00							3.25	4.09		
320-329		1.45	1.07	.08	.12	.01							3.03	4.19		
330-339		1.45	1.07	.27	.09								.02	4.09		
340-349		1.48	1.05	.45	.12	.01							3.08	4.27		
350-359		1.44	.62	.40	.13	.02							2.70	4.49		
CALW	5.46												5.46			
TOT	5.46	41.94	25.85	17.72	8.15	.57	.02						100.00	4.84		
30003																

STATION T&K 10	MONTHLY	AP.											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9	.85	1.26	.65	.02								2.79	4.78	
10-19	.82	.78	.53	.03	.00							2.17	4.66	
20-29	.65	.63	.45	.15	.01							1.90	5.34	
30-39	.60	.69	.71	.13	.03							2.66	6.45	
40-49	.93	1.25	1.38	.73	.04							4.33	6.78	
50-59	.87	1.42	1.35	.19	.01							3.84	5.87	
60-69	.93	1.06	.66	.04								2.69	4.78	
70-79	.81	.81	.44	.03		.00						2.11	4.44	
80-89	.71	.71	.33	.02								1.77	4.39	
90-99	.77	.56	.26	.01								1.61	3.95	
100-109	.70	.72	.19	.01								1.74	4.27	
110-119	.77	.77	.16	.01								1.71	3.90	
120-129	.71	.43	.08	.01								1.23	3.35	
130-139	.64	.25	.01									.00	2.91	
140-149	.60	.14	.01									.16	2.44	
150-159	.66	.14										.80	2.55	
160-169	.69	.31	.01									1.01	2.94	
170-179	.58	.29	.04									.91	3.15	
180-189	.28	.24	.05	.00								.58	3.63	
190-199	.72	.28	.32	.04								.96	5.30	
200-209	.49	.65	.59	.12								1.85	5.76	
210-219	.67	1.11	.75	.13								2.66	5.53	
220-229	.54	1.45	.77	.07								2.83	5.46	
230-239	.30	1.08	.64	.12	.00							2.15	5.88	
240-249	.19	1.15	.68	.34	.04							2.60	7.03	
250-259	.25	1.28	1.58	.90	.13	.01						4.15	8.23	
260-269	.26	1.22	1.47	1.82	.34	.03						6.13	9.35	
270-279	.59	1.16	2.28	2.29	.43	.02						6.78	9.52	
280-289	.81	1.17	1.73	1.91	.33	.02						5.97	8.98	
290-299	.88	1.09	1.49	1.31	.21	.01						4.99	8.12	
300-309	.98	1.16	.26	.71	.06							3.79	6.70	
310-319	1.06	1.29	.54	.23	.01							3.12	5.12	
320-329	1.13	1.39	.39	.10								3.01	4.45	
330-339	1.36	1.97	.60	.06	.00							3.99	4.52	
340-349	1.33	1.88	.20	.04								4.05	4.65	
350-359	.97	1.63	.59									3.21	4.64	
CALM	2.30											2.30		
TOT	2.30	25.91	33.46	24.66	11.92	1.65	.10					100.00	6.19	

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STATION	TWK	'0	MONTHLY										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9	.76	.27	.05	.01									1.09	2.82
10-19	.77	.41	.06										1.23	3.01
20-29	1.23	.86	.15	.00									2.24	3.22
30-39	1.47	1.62	.53	.03									3.64	4.10
40-49	1.27	2.02	1.01	.10	.00								4.40	4.92
50-59	1.20	1.81	.99	.13	.01								4.13	4.99
60-69	1.25	1.23	.50	.03	.00								3.03	4.23
70-79	1.15	.93	.20	.01									2.29	3.63
80-89	1.00	.67	.17	.01									1.86	3.56
90-99	.96	.67	.11	.00									1.74	3.36
100-109	1.06	.74	.13	.00									1.93	3.48
110-119	1.50	.98	.23										2.71	3.58
120-129	1.76	1.23	.21	.01									3.21	3.54
130-139	1.85	1.12	.20	.01									3.18	3.39
140-149	1.92	1.23	.20	.01									3.16	3.26
150-159	1.54	.97	.16	.00									2.68	3.32
160-169	1.68	1.07	.25										3.04	3.54
170-179	1.57	1.43	.37										3.38	3.80
180-189	1.10	1.19	.23										2.52	3.90
190-199	.76	1.01	.41	.01									2.19	4.49
200-209	.59	.92	.45	.02									1.97	4.80
210-219	.72	1.01	.62	.08		.00							2.42	5.10
220-229	.76	1.23	.79	.17	.03								2.98	5.52
230-239	.77	1.32	.95	.20	.02								3.26	5.74
240-249	.59	1.04	.76	.30	.02								2.80	5.92
250-259	.73	1.28	.89	.32	.01								3.23	5.99
260-269	.66	1.32	.03	.35	.00	.00							3.57	6.01
270-279	1.21	1.66	1.11	.38	.00								4.36	5.66
280-289	.95	1.28	.99	.31	.01								3.54	5.75
290-299	.81	.93	.63	.13									2.51	5.15
300-309	.75	.70	.55	.07									2.07	4.84
310-319	.65	.59	.45	.10		.00							1.80	5.09
320-329	.63	.45	.34	.05									1.47	4.50
330-339	.60	.36	.35	.06									1.37	4.55
340-349	.64	.27	.23	.05									1.20	4.16
350-359	.70	.18	.10	.05									1.04	3.31
CALM	6.77												6.77	
TOT	6.77	37.89	35.80	16.43	3.09	.12	.00						100.00	4.33

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWR 10	MONTHLY	JUN											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.63	.65	.60	.06								1.95	5.11	
10-19	.59	.37	.39	.03								1.39	4.60	
20-29	.79	.34	.23	.04								1.40	3.80	
30-39	1.07	.40	.25	.04								1.76	3.56	
40-49	1.08	.65	.25	.01								1.99	3.62	
50-59	1.07	.67	.17									1.90	3.39	
60-69	.87	.45	.08									1.40	3.13	
70-79	.91	.25	.05									1.21	2.72	
80-89	1.03	.25	.02									1.30	2.50	
90-99	1.17	.30	.02									1.49	2.49	
100-109	1.58	.55	.23	.00								2.16	2.70	
110-119	2.01	1.00	.04									3.06	2.98	
120-129	2.04	1.20	.06									3.30	3.15	
130-139	2.15	1.41	.19	.00								3.75	3.33	
140-149	1.95	1.34	.24	.00								3.53	3.46	
150-159	1.63	1.00	.26	.01								2.90	3.53	
160-169	1.65	1.12	.25	.01								3.04	3.68	
170-179	2.14	1.57	.42	.03								4.17	3.82	
180-189	1.92	1.56	.42	.05								3.94	3.98	
190-199	1.71	1.92	.58	.08								4.29	4.33	
200-209	1.57	1.78	.64	.07								4.06	4.43	
210-219	1.66	1.62	.58	.02								3.95	4.26	
220-229	1.63	1.69	.76	.07								4.15	4.47	
230-239	1.52	1.51	.71	.07	.00							3.61	4.44	
240-249	1.38	1.13	.53	.03								3.07	4.20	
250-259	1.34	1.24	.48	.04								3.10	4.23	
260-269	1.50	1.05	.41	.04								3.00	4.02	
270-279	1.69	1.14	.50	.07	.00							3.40	4.14	
280-289	1.64	.87	.50	.05	.00							3.10	4.17	
290-299	1.41	.58	.52	.11	.00							2.63	4.36	
300-309	1.15	.53	.50	.07	.00							2.26	4.39	
310-319	.87	.50	.37	.04								1.79	4.28	
320-329	.49	.47	.36	.03		.00						1.35	4.91	
330-339	.56	.57	.39	.03								1.66	4.50	
340-349	.60	.68	.44	.04								1.75	4.76	
350-359	.52	.60	.53	.05								1.71	5.21	
CALY	5.29											5.29		
TOT	5.29	47.64	33.06	12.74	1.30	.02	.00					100.00	3.82	

40362

40382

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TANK NO	MONTHLY	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-9	CALM	.78	.47	.07										1.32	3.23
10-19		.82	.45	.04										1.31	3.00
20-29		.85	.56	.04										1.45	3.13
30-39		.87	.58	.04										1.48	3.10
40-49		.63	.52	.05										1.40	3.11
50-59		.73	.38	.03										1.14	2.95
60-69		.50	.27	.02										.79	2.81
70-79		.45	.10											.55	2.19
80-89		.54	.07											.62	2.03
90-99		.64	.10											.74	2.13
100-109		.86	.19	.00										1.05	2.23
110-119		.98	.22	.00										1.21	2.35
120-129		1.35	.32	.00										1.67	2.43
130-139		1.44	.47	.02										1.93	2.69
140-149		1.23	.57	.05										1.85	2.96
150-159		1.52	.77	.10	.01									2.40	3.14
160-169		1.88	1.42	.27	.03	.00								3.60	3.66
170-179		2.60	2.95	.52	.06									6.20	3.99
180-189		2.61	3.17	.65	.05									6.48	4.10
190-199		2.35	3.54	.97	.07	.00								6.93	4.44
200-209		1.96	3.00	.85	.11	.00	.00							6.02	4.61
210-219		1.78	2.43	.86	.13									5.19	4.62
220-229		1.50	1.72	.60	.11									3.99	4.60
230-239		1.39	1.32	.50	.08									3.37	4.40
240-249		1.22	1.07	.30	.03									2.70	4.09
250-259		1.39	.96	.34	.04									2.64	3.82
260-269		1.66	1.00	.30	.02									3.17	3.47
270-279		2.19	.92	.25	.03									3.40	3.34
280-289		2.16	.87	.29	.03									3.37	3.33
290-299		2.03	.65	.24	.02									2.95	3.15
300-309		1.63	.45	.23	.02									2.34	3.17
310-319		1.10	.44	.18	.02									1.73	3.32
320-329		.76	.40	.14	.02									.71	3.52
330-339		.65	.33	.11	.00									.9	3.36
340-349		.64	.41	.11	.01									1.18	3.62
350-359		.74	.36	.11	.01									1.22	3.32
CALM	10.24													10.24	
TOT	10.24	46.85	33.37	9.60	.93	.01	.00							100.00	3.42
													37507		

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	WIND	MONTHLY												AUG	
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD	
0-9		1.01	.60	.07	.00								1.68	3.16	
10-19		.72	.72	.10									1.60	3.54	
20-29		.60	.62	.09	.00								1.50	3.34	
30-39		.71	.49	.07									1.27	3.21	
40-49		.75	.38	.02									1.15	2.91	
50-59		.96	.70	.02									1.18	2.61	
60-69		.91	.27	.01									1.20	2.53	
70-79		.88	.18	.01									1.07	2.41	
80-89		.92	.12	.00									1.04	2.19	
90-99		1.04	.13	.00									1.17	2.16	
100-109		1.05	.21	.00									1.26	2.31	
110-119		1.09	.24	.00									1.33	2.32	
120-129		1.29	.35	.00									1.64	2.51	
130-139		1.42	.30										1.78	2.43	
140-149		1.97	.31	.00									2.28	2.41	
150-159		1.96	.43	.02									2.41	2.61	
160-169		1.91	.57	.14	.04								2.66	3.06	
170-179		1.71	.94	.17	.03								2.89	3.37	
180-189		1.55	1.12	.11	.09								2.81	3.42	
190-199		1.63	1.31	.13	.00								3.08	3.50	
200-209		1.64	1.52	.26	.00								3.42	3.69	
210-219		1.66	1.31	.40	.02								3.39	3.91	
220-229		1.56	1.31	.40	.02								3.39	3.89	
230-239		1.46	1.46	.41	.01								3.34	4.02	
240-249		1.46	1.01	.27	.01								2.75	3.63	
250-259		1.54	1.08	.33	.02								3.08	3.70	
260-269		2.61	1.09	.30	.00								4.00	2.23	
270-279		3.22	1.44	.21	.00								4.98	3.20	
280-289		3.66	1.34	.24	.01								5.25	2.94	
290-299		3.53	.98	.21	.01								4.74	2.70	
300-309		2.82	.75	.16	.01								3.74	2.64	
310-319		1.96	.60	.05									2.67	2.60	
320-329		1.45	.41	.08									1.93	2.65	
330-339		1.07	.48	.07									1.63	2.90	
340-349		.99	.53	.04									1.56	2.91	
350-359		.81	.48	.05									1.36	3.10	
CALM	13.74												13.74		
TOT	13.74	55.05	25.37	4.65	.20								100.00	2.77	

26519

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STATION TWA 10	ANNUAL										TOT	AVE SFD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	
0-9	1.16	1.22	.47	.22	.02	.00					3.09	4.93
10-19	1.03	1.00	.55	.28	.04	.00	.00				2.90	5.42
20-29	1.05	.97	.58	.29	.04	.01					2.94	5.47
30-39	1.05	.90	.50	.21	.05	.01	.00				2.72	5.25
40-49	.91	.81	.45	.12	.03	.01	.00				2.33	4.94
50-59	.80	.64	.31	.04	.01	.00					1.79	4.25
60-69	.70	.42	.15	.01	.00						1.27	3.57
70-79	.63	.27	.08	.00		.00					.97	3.10
80-89	.55	.22	.05	.00							.92	2.83
90-99	.70	.21	.04	.00							.96	2.67
100-109	.95	.30	.05	.01							1.20	2.79
110-119	1.05	.40	.05	.01							1.50	2.83
120-129	1.16	.45	.05	.01	.00						1.67	2.89
130-135	1.20	.46	.00	.01							1.73	2.92
140-149	1.22	.46	.08	.02	.00						1.78	3.00
150-159	1.26	.50	.09	.02	.00						1.87	3.13
160-169	1.26	.69	.14	.03	.00						2.13	3.49
170-179	1.31	1.10	.24	.04	.00	.00					2.69	3.86
180-189	1.12	1.18	.30	.03	.00						2.62	4.10
190-199	1.10	1.38	.43	.05	.00						3.03	4.49
200-209	1.14	1.30	.57	.07	.00	.00					3.17	4.60
210-219	1.19	1.34	.55	.09	.00						3.18	4.60
220-229	1.11	1.21	.53	.10	.01						2.95	4.66
230-239	1.01	1.05	.52	.09	.00						2.68	4.71
240-249	.99	.95	.55	.13	.01						2.65	4.93
250-259	1.70	.98	.71	.23	.02	.00					2.99	5.33
260-269	1.38	.99	.23	.36	.04	.00					3.60	5.53
270-279	1.67	1.05	.80	.45	.05	.00					4.09	5.48
280-289	1.91	1.08	.90	.45	.05	.00					4.29	5.30
290-299	1.86	1.10	.95	.41	.03	.00					4.35	5.23
300-309	1.67	1.11	.85	.27	.02	.00					3.92	4.96
310-319	1.35	1.06	.58	.16	.01						3.31	4.73
320-329	1.24	1.06	.50	.11	.00	.00					2.97	4.57
330-339	1.25	1.22	.57	.09	.00						3.11	4.49
340-349	1.16	1.24	.55	.08	.00						3.02	4.53
350-359	1.13	1.21	.44	.09	.00						2.86	4.43
CALM	6.63										6.63	
TOT	6.63	41.32	31.62	15.33	4.57	.45	.04	.00			100.00	4.38

311069

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION WAC 13	MONTHLY											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<.56	
0-9		.56	.32	.54	.25							1.71	5.19
10-19		.55	.23	1.04	.65	.01						2.48	7.76
20-29		.51	.25	1.29	.81							2.78	8.20
30-39		.86	.66	.95	.75	.01						3.23	7.04
40-49		1.26	1.27	.96	.72	.01						4.21	6.13
50-59		1.10	1.11	.65	.53							3.38	5.81
60-69		.73	.51	.44	.15							1.83	5.14
70-79		.52	.41	.32	.03							1.28	4.77
80-89		.43	.30	.13	.01							.87	3.88
90-99		.35	.42	.06								.84	3.75
100-109		.24	.32	.03								.59	3.79
110-119		.25	.17	.05								.46	3.60
120-129		.18	.17	.02								.37	3.56
130-139		.28	.21	.03								.52	3.22
140-149		.50	.24	.01								.75	3.04
150-159		.69	.35	.04	.01							1.09	3.18
160-169		1.24	.62	.17	.01							2.05	3.39
170-179		2.13	.94	.41	.04							3.51	3.63
180-189		2.44	1.46	.43	.15							4.48	3.92
190-199		2.36	2.43	.64	.21	.01						5.95	4.54
200-209		2.39	2.83	1.54	.27							7.03	4.91
210-219		2.11	2.61	1.09	.11	.01						5.92	4.55
220-229		1.57	1.90	.71	.04							4.32	4.25
230-239		1.21	.83	.51								2.55	4.15
240-249		.99	.73	.33	.03		.01					2.08	4.13
250-259		.64	.60	.23	.02							1.50	4.18
260-269		.69	.54	.32	.01							1.57	4.22
270-279		.92	.53	.27	.02							1.74	3.77
280-289		.90	.50	.20	.03							1.62	3.77
290-299		.61	.50	.15	.01	.01						1.47	3.56
300-309		.73	.75	.20	.04							1.73	4.15
310-319		.99	.64	.50	.12	.01						2.46	4.79
320-329		.87	.90	.73	.18							2.69	5.40
330-339		.94	.80	.57	.28							2.58	5.33
340-349		1.11	.53	.21	.05	.01						1.95	3.99
350-359		.78	.31	.15	.06							1.30	3.84
CALM	15.10											15.10	
TOT	15.10	34.95	28.12	15.14	5.62	.07	.01					100.00	4.21

15706

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	MAC 13	MONTHLY	OCT										TOT	AVE SPD
	CALC	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.62	.45	.44	.15								1.65	5.27
10-19		.45	.23	.57	.11								1.17	5.48
20-29		.59	.16	.26	.10								1.12	4.74
30-39		.73	.22	.19	.10	.00							1.23	4.24
40-49		1.06	.42	.32	.12								1.92	4.32
50-59		1.23	.56	.41	.11	.00							2.32	4.24
60-69		.86	.37	.32	.10	.00							1.67	4.52
70-79		.50	.22	.19	.10								1.01	4.73
80-89		.59	.13	.06	.05	.00							.83	3.47
90-99		.74	.23	.05	.00								1.02	2.89
100-109		.73	.44	.05									1.22	3.23
110-119		.77	.44	.05									1.26	3.29
120-129		.79	.52	.06									1.37	3.25
130-139		.73	.59	.06									1.38	3.40
140-149		.71	.46	.05									1.22	3.22
150-159		.91	.42	.07									1.40	3.10
160-169		1.09	.47	.14	.01								1.71	3.16
170-179		.48	.81	.54	.03								2.91	4.16
180-189		1.33	1.07	.80	.15	.00							3.35	4.85
190-199		1.26	1.35	.57	.22								4.02	5.12
200-209		1.16	1.48	1.25	.20	.01							4.10	5.40
210-219		1.22	1.38	1.24	.14	.01							3.99	5.22
220-229		1.39	1.11	.81	.17								3.47	4.73
230-239		1.30	.95	.62	.03								2.85	4.28
240-249		1.17	.51	.45	.10								2.24	4.24
250-259		1.11	.35	.53	.15	.02							2.77	4.79
260-269		1.25	.56	.50	.42	.06	.00						2.74	5.74
270-279		1.32	1.15	.59	.61	.12	.00						4.20	6.32
280-289		1.60	1.29	1.40	.63	.13	.02						5.26	6.54
290-299		1.57	1.10	1.21	.71	.08	.01						4.77	6.19
300-309		1.35	1.45	1.22	.62	.04							4.69	6.12
310-319		1.02	1.43	2.45	.66	.02							5.60	6.84
320-329		.84	1.29	2.40	.64	.03							5.17	6.95
330-339		.61	.99	1.09	.36	.00							3.00	6.25
340-349		.59	.54	.38	.10								1.61	4.92
350-359		.60	.50	.29	.10								1.49	4.78
CALC	H.67												8.67	
TOT		3.67	35.40	25.79	22.05	7.23	.53	.03					100.00	4.94

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED, MONTHS,
(FROM ONE MINUTE AVERAGES,

STATION, PAC 13	MONTHLY	NOV												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-9		.61	2.29	1.06	.53	.07	.01						4.56	6.49
10-19		.76	2.28	1.06	.29	.15	.04						4.60	6.37
20-29		.73	2.06	.77	.24	.18	.05	.01					4.03	6.41
30-39		.59	1.25	.56	.25	.26	.11						3.12	7.33
40-49		.71	1.55	.81	.43	.65	.31	.04					4.51	9.40
50-59		.61	1.95	.45	.55	.58	.25						4.40	8.70
60-69		.47	1.23	.62	.29	.10	.01						2.72	6.50
70-79		.28	.38	.48	.11								1.24	6.27
80-89		.25	.11	.37	.02								.75	5.65
90-99		.24	.38	.35	.03								1.00	5.48
100-109		.32	.75	.43	.02								1.59	5.05
110-119		.39	.80	.34	.01								1.55	4.90
120-129		.79	.82	.33	.01								1.95	4.36
130-139		.70	.49	.12	.01								1.33	3.67
140-149		.64	.39	.06									1.06	3.16
150-159		.76	.17	.01									.94	2.74
160-169		1.27	.18										1.45	2.50
170-179		.74	.12										.66	2.50
180-189		.68	.52	.05									1.25	3.48
190-199		.61	1.58	.29									2.47	4.48
200-209		.85	1.98	.53									3.35	4.65
210-219		.70	1.33	.21									2.25	4.24
220-229		.76	1.35	.34									2.45	4.33
230-239		.62	1.15	.37									2.17	4.50
240-249		.72	.81	.29									1.82	4.18
250-259		.61	.71	.25	.03	.01							1.62	4.49
260-269		.62	.92	.26	.15	.06							2.00	5.36
270-279		.49	1.59	.42	.26	.23							2.43	6.66
280-289		.49	1.28	.76	.53	.19	.02						3.15	7.65
290-299		.49	.70	.61	.42	.36							2.27	6.99
300-309		.83	.54	.59	.37	.64	.01						2.49	6.51
310-319		1.27	.63	.53	.74	.01							3.47	6.34
320-329		1.03	1.37	1.15	.44								4.01	5.78
330-339		.44	2.29	1.66	.26								4.89	6.28
340-349		.30	2.39	2.09	.25								5.04	6.43
350-359		.42	1.21	1.17	.32	.01							3.82	6.27
CALM	6.66												6.65	
TOT	5.85	22.82	40.27	19.67	6.75	2.59	.79	.05					100.00	5.72
													12226	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION HAC 13	MONTHLY	DEC											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		1.09	2.46	.57									4.12	4.54
10-19		.93	1.94	.62	.00								3.48	4.64
20-29		.81	1.61	.56	.03								3.01	4.76
30-39		.73	1.12	.40	.01								2.25	4.48
40-49		.62	.48	.15	.01								1.25	3.71
50-59		.46	.30	.30	.03								1.08	4.62
60-69		.41	.12	.42	.05								1.00	5.29
70-79		.28	.09	.22	.07								.66	5.32
80-89		.26	.05	.10	.01								.42	3.61
90-99		.24	.05	.05									.34	2.99
100-109		.19	.05	.03	.00								.27	2.90
110-119		.18	.01	.03									.22	2.34
120-129		.24	.03	.01									.28	2.11
130-139		.27	.05	.03	.00								.35	2.62
140-149		.42	.05	.01									.48	2.25
150-159		.55	.06	.01									.62	2.19
160-169		.78	.12	.00									.90	2.26
170-179		.94	.30	.03									1.27	2.80
180-189		1.14	.38	.08	.00								1.61	3.03
190-199		1.85	.74	.23	.00	.00							2.83	3.34
200-209		1.75	.79	.29	.04								2.86	3.61
210-219		1.43	.84	.42	.14								2.83	4.29
220-229		1.21	.84	.53	.30								2.99	5.18
230-239		.93	.63	.22	.33	.03							2.75	5.92
240-249		.94	.51	.74	.48	.04							2.72	6.41
250-259		1.02	.37	.77	.51	.12	.01						2.81	6.88
260-269		.97	.36	.63	.80	.19	.01						2.95	7.84
270-279		1.16	.52	.80	1.11	.23	.03						3.85	8.06
280-289		1.60	.89	.92	1.21	.27	.04	.00					4.98	7.49
290-299		1.96	1.35	.83	.64	.31	.06						5.15	6.40
300-309		1.52	1.67	.91	.46	.15	.06						4.78	6.12
310-319		3.60	2.76	1.05	.39	.05	.00	.00					7.86	4.57
320-329		2.06	2.49	1.03	.44	.04							6.05	5.16
330-339		1.94	2.52	.71	.35	.01							5.52	4.84
340-349		1.92	2.19	.56	.11								4.78	4.27
350-359		1.18	1.89	.53	.01								3.62	4.43
CALM	7.06												7.06	
TOT	7.06	37.59	30.62	15.56	7.53	1.43	.20	.01					100.00	4.90
												30343		

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION HAC 13	MONTHLY	JAN											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56		
0-9		.11	.08	.00									.20	3.06
10-19		.13	.03										.16	2.28
20-29		.11	.03										.14	2.51
30-39		.14	.04										.18	2.73
40-49		.18	.03										.20	2.19
50-59		.20	.00										.21	1.49
60-69		.12	.00										.12	1.60
70-79		.24	.01										.25	1.79
80-89		.33	.04										.37	2.34
90-99		.46	.13	.01									.59	2.59
100-109		.42	.24										.66	2.98
110-119		.29	.18	.00									.47	3.02
120-129		.34	.11	.03									.48	2.94
130-139		.25	.12	.06									.43	3.32
140-149		.26	.09	.04									.39	3.05
150-159		.50	.23	.02									.75	2.77
160-169		1.05	.63	.06									1.74	3.14
170-179		1.58	.78	.14	.00								2.50	3.19
180-189		1.52	1.12	.24	.01								2.90	3.60
190-199		2.19	2.01	.93	.01								5.05	4.14
200-209		3.36	2.51	1.32	.15								7.34	4.31
210-219		4.93	2.82	1.53	.55								9.83	4.23
220-229		2.45	3.04	1.39	.38								7.26	4.78
230-239		1.40	2.26	1.08	.18								4.92	5.04
240-249		1.58	1.65	.89	.15								4.27	4.73
250-259		1.30	1.54	1.15	.25	.01							4.25	5.38
260-269		1.24	1.37	1.65	.55	.04	.00						4.85	6.31
270-279		.99	1.09	1.83	1.10	.12							5.03	7.76
280-289		.59	1.07	2.09	2.45	.47	.00						6.68	9.76
290-299		1.20	1.05	2.10	3.20	.89	.12	.00					8.56	10.16
300-309		.75	.94	1.79	2.81	1.13	.31	.05	.00				7.79	11.37
310-319		.33	.55	1.34	1.56	.82	.29	.06					4.95	12.07
320-329		.11	.30	.49	.37	.12	.06	.00					1.46	9.85
330-339		.10	.09	.10	.07								.36	6.74
340-349		.10	.09	.09									.28	4.74
350-359		.14	.12	.04									.31	3.76
CALM	4.06												4.06	
TOT	4.06	30.87	26.43	20.33	13.79	3.60	.80	.12	.00				100.00	6.40

20546

DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

26041

STATION	PAC	13	MONTHLY	PAR									TOT	AVE SPD
CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.22	.41	.63	.33	.21	.02						3.81	8.27
10-19		.20	.73	.75	.51	.28	.02						4.49	8.46
20-29		.26	.94	.94	.33	.41	.05						4.94	8.41
30-39		.64	1.36	1.40	.96	.22	.04						5.62	6.96
40-49		.89	1.64	1.62	.35	.03	.01						5.55	5.46
50-59		.56	1.18	1.31	.13								4.19	5.03
60-69		.47	.65	.57	.07								2.76	4.11
70-79		.31	.43	.24	.02								2.01	3.32
80-89		.08	.27	.07									1.43	2.62
90-99		.87	.34	.06									1.26	2.82
100-109		.90	.45	.05									1.41	3.05
110-119		.76	.59	.05	.00								1.41	3.35
120-129		.67	.61	.10									1.39	3.64
130-139		.64	.55	.08									1.30	3.61
140-149		.43	.28	.03									.75	3.22
150-159		.42	.19	.01									.63	2.70
160-169		.53	.20	.02									.75	2.66
170-179		.42	.25	.03									.70	3.02
180-189		.48	.30	.11	.02								.91	3.74
190-199		.89	.74	.40	.14								2.17	4.71
200-209		1.09	.73	.52	.28	.00							2.62	5.13
210-219		.84	.63	.43	.16	.02							2.09	5.05
220-229		.70	.47	.35	.14	.00							1.66	4.89
230-239		.58	.35	.63	.10								1.65	5.38
240-249		.63	.36	.89	.23								2.12	6.21
250-259		.76	.28	.95	.43	.01							2.43	6.57
260-269		1.02	.41	1.17	.57	.01							3.19	6.67
270-279		1.18	.58	1.18	.59	.01							3.56	6.38
280-289		1.56	.97	1.16	.59	.06							4.37	6.02
290-299		1.44	1.37	1.25	.53	.12	.00						4.77	6.22
300-309		1.21	1.43	1.20	.56	.15	.01						4.59	6.48
310-319		.93	1.25	1.16	.68	.17	.02						4.21	7.08
320-329		.97	1.19	1.05	.27	.10	.01						3.60	6.10
330-339		.92	.62	.20	.07	.01							1.92	4.32
340-349		.89	.27	.15	.24	.03							1.59	5.07
350-359		1.00	.22	.28	.66	.07	.00						2.23	6.88
CALM	5.96												5.96	
TOT	5.96	35.37	23.30	21.21	12.05	1.93	.18						100.00	5.86

STATION	HAC	13	MONTHLY	APR										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.45	.66	.50	.05								1.66	5.25	
10-19		.66	.39	.30	.04								1.38	4.43	
20-29		.70	.43	.31	.02								1.45	4.30	
30-39		.84	.74	.56	.05								1.99	4.50	
40-49		.66	.92	.63	.09								2.56	5.09	
50-59		.99	1.06	.38	.21	.01							3.15	5.47	
60-69		.56	1.26	1.10	.23	.02							3.57	5.72	
70-79		.93	1.10	.75	.18	.00							2.96	5.26	
80-89		.73	.71	.57	.09	.00							2.11	5.09	
90-99		.57	.61	.62	.16								1.96	5.75	
100-109		.47	.61	.47	.09								1.63	5.24	
110-119		.41	.56	.38	.01								1.38	4.89	
120-129		.42	.52	.30	.00								1.24	4.61	
130-139		.47	.52	.21	.00								1.20	4.22	
140-149		.45	.39	.15									1.00	3.90	
150-159		.44	.25	.08									.77	3.42	
160-169		.52	.35	.06									.93	3.32	
170-179		.67	.30	.03									1.00	2.87	
180-189		.72	.16	.07	.00								.95	3.01	
190-199		.91	.36	.20	.02								1.49	3.55	
200-209		.91	1.01	.60	.05								2.57	4.66	
210-219		1.07	1.88	1.56	.26								4.77	5.64	
220-229		.71	1.58	2.28	.52	.01							5.10	6.74	
230-239		.49	.89	1.69	.45	.01							3.83	7.24	
240-249		.43	.65	1.90	.64	.09	.00						3.62	7.96	
250-259		.55	.63	1.94	1.05	.26	.02						4.46	8.83	
260-269		.55	.87	1.93	1.51	.43	.04						5.32	9.41	
270-279		.66	.95	1.39	1.90	.53	.04						5.46	9.78	
280-289		.66	.73	1.05	1.70	.42	.03						4.59	9.74	
290-299		.71	.78	.93	1.36	.36	.04						4.18	9.24	
300-309		.66	1.17	.82	.57	.19	.03						3.44	7.47	
310-319		.48	1.48	1.08	.38	.05							3.48	6.64	
320-329		.68	1.65	1.63	.34	.02							4.32	6.41	
330-339		.68	1.43	.56	.18								3.15	5.63	
340-349		.64	1.17	.48	.07								2.36	4.99	
350-359		.51	.93	.49	.09								2.01	5.24	
CALM	2.96												2.96		
TOT	2.96	23.55	29.68	22.85	12.34	2.40	.21						100.00	6.53	

26101

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVEPAGES)

STATION	HAC	13	MONTHLY			MAY								TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.48	.23	.05									.76	2.94	
10-19		.53	.60	.08									1.21	3.62	
20-29		.73	1.19	.17									2.09	3.94	
30-39		.74	1.32	.50	.02								2.57	4.63	
40-49		.80	1.32	1.38	.17								3.67	5.80	
50-59		.64	1.38	1.85	.32	.00							4.40	6.30	
60-69		.98	1.00	1.01	.14								3.13	5.38	
70-79		1.12	.93	.73	.08								2.85	4.79	
80-89		1.24	.70	.73	.06								2.72	4.56	
90-99		1.17	.71	.51	.11								2.49	4.45	
100-109		1.13	.94	.55	.14								2.76	4.70	
110-119		.98	1.03	.57	.10								2.68	4.79	
120-129		.91	1.41	.63	.07								3.02	4.87	
130-139		.96	1.22	.42	.05								2.65	4.50	
140-149		.91	.93	.30	.00								2.15	4.08	
150-159		.92	.65	.19									1.76	3.64	
160-169		1.21	.76	.15	.01								2.13	3.26	
170-179		1.53	.87	.25	.01								2.65	3.45	
180-189		1.58	1.17	.26	.02								3.02	3.62	
190-199		1.54	1.67	.46	.03								3.70	4.08	
200-209		1.23	1.38	.53	.06	.00							3.20	4.40	
210-219		.66	1.22	.71	.17								2.96	5.15	
220-229		.67	1.38	1.24	.45	.03							3.99	6.24	
230-239		.96	1.26	1.32	.52	.05	.00						4.13	6.43	
240-249		.82	1.09	1.13	.55	.06	.01						3.66	6.73	
250-259		.80	.89	1.08	.61	.07	.00						3.46	7.01	
260-269		.78	1.04	1.26	.65	.04							3.77	6.92	
270-279		.61	1.00	1.29	.61	.02							3.52	7.01	
280-289		.53	.81	1.16	.44	.00							2.93	6.90	
290-299		.43	.52	.80	.24	.00							2.00	6.53	
300-309		.56	.61	.68	.40	.02							2.26	6.66	
310-319		.43	.59	.72	.48	.06	.00						2.28	7.57	
320-329		.47	.47	.35	.36	.08	.00						1.74	7.15	
330-339		.32	.19	.11	.11	.03							.77	5.81	
340-349		.31	.10	.02	.01								.44	3.02	
350-359		.31	.17	.01									.49	2.96	
CALM	6.01												6.01		
TOT	6.01	30.59	32.74	23.13	6.96	.49	.03						100.00	5.21	

26532

26532

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION HAC 13	MONTHLY	JUN											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56		
0-9		.41	.20	.50	.16								1.27	6.20
10-19		.40	.23	.23	.06								.92	4.89
20-29		.55	.32	.16	.08								1.12	4.30
30-39		.70	.49	.20	.02								1.41	3.85
40-49		1.00	.75	.26	.01								2.03	3.86
50-59		1.02	.83	.29									2.15	3.81
60-69		1.12	.51	.09									1.72	3.11
70-79		1.11	.47	.04	.00								1.62	2.58
80-89		1.35	.47	.03									1.85	2.73
90-99		1.40	.78	.11	.00								2.29	3.20
100-109		1.33	1.25	.17									2.77	3.66
110-119		1.33	1.70	.26									3.29	4.00
120-129		1.22	1.84	.46	.02								3.55	4.32
130-139		1.12	1.62	.51	.03								3.28	4.46
140-149		.89	1.13	.45	.02								2.49	4.47
150-159		.84	.79	.28	.01								1.92	4.07
160-169		1.01	.60	.22	.02								1.88	3.74
170-179		1.31	.74	.21	.02								2.28	3.52
180-189		1.55	.96	.26	.02								2.79	3.59
190-199		2.12	2.02	.41	.04								4.58	3.87
200-209		2.38	2.31	.68	.04								5.40	4.01
210-219		2.55	2.08	.73	.07								5.42	4.01
220-229		2.57	2.05	.90	.13								5.65	4.25
230-239		1.71	1.72	.60	.12								4.36	4.46
240-249		1.51	1.40	.68	.08								3.67	4.33
250-259		1.34	1.12	.61	.08								3.15	4.37
260-269		1.45	.99	.50	.06								3.00	4.13
270-279		1.28	.75	.38	.09								2.49	4.15
280-289		1.12	.71	.53	.14								2.50	4.72
290-299		.84	.54	.63	.21	.00							2.22	5.44
300-309		.70	.42	.76	.34	.00							2.22	6.34
310-319		.57	.39	.84	.37	.01							2.18	6.85
320-329		.40	.39	.77	.33	.01							1.89	7.10
330-339		.30	.38	.67	.24	.00							1.59	5.84
340-349		.30	.32	.61	.17	.01							1.41	6.62
350-359		.26	.24	.72	.16	.00							1.38	7.02
CALM	6.28												6.28	
TOT	6.28	41.08	33.51	15.94	3.16	.04							100.00	4.24

40416

40416

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION HAC 13	MONTHLY	JUL													
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	TOT	AVE SPD	
0-9		.39	.36	.10	.00								.85	3.81	
10-19		.35	.37	.11	.00								.85	3.94	
20-29		.35	.41	.14									.90	4.09	
30-39		.43	.56	.17	.00								1.17	4.18	
40-49		.59	.60	.22	.01								1.42	4.08	
50-59		.78	.58	.21	.01								1.58	3.65	
60-69		.83	.39	.07									1.29	3.67	
70-79		.87	.26	.05									1.18	2.78	
80-89		.84	.24	.03									1.10	2.56	
90-99		.73	.21	.02									1.01	2.51	
100-109		.86	.33	.01									1.19	2.66	
110-119		.91	.39	.03									1.32	2.79	
120-129		.83	.47	.04									1.38	3.05	
130-139		.85	.52	.07									1.43	3.28	
140-149		.87	.52	.06									1.44	3.19	
150-159		.98	.57	.08									1.63	3.23	
160-169		1.24	.67	.12	.01								2.04	3.26	
170-179		1.74	1.25	.38	.03								3.40	3.74	
180-189		2.13	1.05	.34	.01								4.24	3.76	
190-199		2.91	3.85	.77	.04								7.58	4.13	
200-209		2.94	4.67	1.10	.08								8.79	4.32	
210-219		2.79	3.03	1.02	.14	.00							6.99	4.32	
220-229		2.69	1.93	1.13	.21	.01							5.96	4.43	
230-239		2.23	1.51	1.00	.18								4.92	4.45	
240-249		2.11	1.24	.74	.13	.00							4.23	4.18	
250-259		2.04	1.01	.55	.09								3.70	3.65	
260-269		1.77	.81	.36	.05								2.98	3.51	
270-279		1.65	.79	.27	.03								2.74	3.38	
280-289		1.41	.83	.27	.04								2.55	3.65	
290-299		1.24	.84	.32	.05								2.46	3.93	
300-309		.89	.81	.39	.13								2.22	4.68	
310-319		.76	.82	.44	.14	.00							2.16	5.00	
320-329		.72	.71	.37	.10	.01							1.90	4.92	
330-339		.55	.37	.18	.09								1.18	4.57	
340-349		.44	.31	.11	.02								.89	4.04	
350-359		.37	.30	.13	.01								.81	4.17	
CALM	8.43												8.43		
TOT	8.43	44.16	34.38	11.42	1.59	.02							100.00	3.75	
													39376		

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	HAC	13	MONTHLY										AUG		TOT	AVE SPD
			CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9				.54	.78	.13	.01								1.46	4.11
10-19				.41	.72	.09	.01								1.23	4.23
20-29				.47	.71	.11									1.29	4.22
30-39				.49	.61	.08									1.18	3.74
40-49				.83	.50	.06									1.39	3.19
50-59				1.04	.70	.07									1.81	3.14
60-69				.93	.49	.09									1.51	3.27
70-79				.88	.43	.07									1.38	3.09
80-89				.76	.27	.05									1.07	2.81
90-99				.65	.34	.00									1.00	2.79
100-109				.71	.33	.02									1.06	2.99
110-119				.64	.41	.01									1.06	3.06
120-129				.73	.48	.01									1.22	3.05
130-139				.81	.70	.01									1.53	3.30
140-149				1.02	.49	.01									1.52	2.91
150-159				1.28	.31	.01									1.60	2.63
160-169				1.58	.53	.04	.01								2.16	2.75
170-179				1.84	.74	.13	.02								2.73	3.06
180-189				2.21	.77	.15	.01								3.14	2.96
190-199				2.51	1.29	.20	.01								4.11	3.19
200-209				3.52	1.18	.23	.00								5.93	3.19
210-219				3.10	1.72	.27	.00								5.10	3.19
220-229				2.75	1.64	.65	.05	.00							5.10	3.68
230-239				2.48	1.35	.70	.06								4.61	3.75
240-249				2.14	1.19	.52	.04	.00							3.90	3.61
250-259				2.11	1.15	.37	.04								3.67	3.42
260-269				2.20	1.04	.37	.04	.00							3.65	3.43
270-279				2.43	1.02	.33	.01								3.79	3.18
280-289				2.41	1.27	.34	.03								4.05	3.35
290-299				1.71	1.25	.30	.03								3.28	3.59
300-309				1.31	.99	.26	.00								2.56	3.54
310-319				1.13	.89	.22	.04								2.38	4.05
320-329				.91	.81	.27	.02								2.12	4.29
330-339				.64	.64	.35	.05								1.67	4.61
340-349				.49	.51	.20	.02								1.23	4.30
350-359				.35	.51	.14	.00								1.00	4.25
CALM			12.51												12.51	
TOT			12.51	50.14	29.77	7.06	.51	.01							100.00	3.12

26269

STATION	HAC 13	ANNUAL												TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63			
0-9		.62	.58	.39	.29	.04	.00						2.02	6.11	
10-19		.58	.63	.35	.28	.05	.00						1.90	6.21	
20-29		.61	.65	.35	.23	.06	.01		.00				1.92	5.98	
30-39		.71	.71	.39	.16	.03	.01						2.01	5.41	
40-49		.86	.77	.52	.12	.03	.01	.00					2.31	5.21	
50-59		.86	.77	.54	.12	.02	.01						2.32	5.12	
60-69		.61	.53	.37	.07	.01	.00						1.78	4.54	
70-79		.75	.40	.23	.04	.00							1.42	4.08	
80-89		.74	.30	.16	.02	.00							1.21	3.56	
90-99		.70	.38	.14	.02								1.25	3.67	
100-109		.69	.51	.14	.02								1.37	3.78	
110-119		.66	.58	.15	.01								1.39	3.86	
120-129		.66	.65	.17	.01								1.49	3.98	
130-139		.65	.62	.15	.01								1.43	3.92	
140-149		.64	.46	.12	.01								1.23	3.67	
150-159		.76	.37	.09	.02	.00							1.24	3.39	
160-169		1.04	.48	.11	.04	.00	.00						1.67	3.41	
170-179		1.25	.67	.22	.04	.00							2.18	3.62	
180-189		1.37	.90	.25	.04	.00							2.56	3.75	
190-199		1.73	1.67	.49	.06	.00							3.94	4.11	
200-209		1.90	1.98	.73	.10	.00							4.70	4.33	
210-219		1.89	1.76	.82	.15	.00							4.62	4.46	
220-229		1.63	1.52	.95	.22	.01							4.32	4.85	
230-239		1.29	1.16	.88	.19	.01	.00						3.53	5.02	
240-249		1.20	.93	.77	.23	.02	.00						3.15	5.15	
250-259		1.14	.79	.77	.30	.04	.00						3.05	5.57	
260-269		1.16	.80	.81	.34	.07	.00						3.28	6.02	
270-279		1.18	.93	.82	.57	.10	.01						3.57	6.37	
280-289		1.21	.97	.94	.69	.12	.01	.00					3.94	6.66	
290-299		1.17	1.02	.99	.74	.15	.02	.00					4.09	6.94	
300-309		.95	1.09	1.08	.81	.17	.03	.00	.00				4.13	7.40	
310-319		1.06	1.18	1.20	.70	.11	.02	.00		.00			4.27	6.93	
320-329		.86	1.12	1.02	.41	.04	.01	.00					3.47	6.2	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION CHS 15	MONTHLY	SEP												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-3		.47	.36	.03									.91	3.41
10-19		.59	.42	.17									1.19	3.69
20-29		.54	.64	.27									1.64	4.30
30-39		.74	1.21	.56	.03								2.55	4.75
40-49		.92	1.11	.65	.04								2.92	5.01
50-59		.93	.92	.82	.09								2.67	5.12
60-69		.97	.73	.65	.07								2.42	4.72
70-79		1.18	.63	.40	.04								2.05	3.86
80-89		1.10	.44	.18	.01								1.73	3.45
90-99		.86	.51	.08	.01								1.45	3.28
100-109		.66	.45	.01	.01								1.13	3.18
110-119		.63	.29										.91	2.98
120-129		.56	.32	.01									.69	2.89
130-139		.65	.30	.01									.96	2.78
140-149		.73	.15	.01									.89	2.32
150-159		1.23	.20	.03									1.46	2.33
160-169		1.36	.23	.06	.01								1.65	2.43
170-179		1.27	.22	.03	.01								1.52	2.36
180-189		1.27	.29	.12	.01								1.68	2.84
190-199		1.65	.62	.15	.01								2.44	3.10
200-209		1.97	1.11	.22	.01								3.32	3.38
210-219		2.97	1.92	.21	.01								5.15	3.32
220-229		4.13	2.05	.24		.01							6.42	3.15
230-239		4.17	1.52	.11									5.79	2.84
240-249		3.33	1.11	.06									4.50	2.64
250-259		2.46	.54	.04									3.05	2.36
260-269		2.11	.40	.04	.01								2.56	2.18
270-279		2.34	.38	.05	.01								2.78	2.09
280-289		2.84	.52	.03									3.38	2.01
290-299		2.42	.49	.10									3.00	2.34
300-309		1.72	.52	.10									2.33	2.55
310-319		1.18	.35	.04	.01								1.57	2.49
320-329		1.02	.15	.04									.21	2.18
330-339		.73	.03	.02									.83	1.98
340-349		.58	.13	.01									.72	2.24
350-359		.56	.17	.01									.74	2.30
CALM	19.57												19.57	
TOT	19.57	52.83	21.38	5.84	.38	.01							190.09	2.63
													15638	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION: CHS 15	MONTHLY	OCT												TOT	AVE SPD
	CALC	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	4-56			
0-9		.29	.27	.03									1.57	2.28	
10-19		1.65	.27	.04									1.37	2.46	
20-29		1.08	.46	.06									1.53	2.68	
30-39		1.22	.44	.09									1.75	2.79	
40-49		1.11	.50	.15	.01								1.77	3.08	
50-59		1.23	.38	.17	.01								1.79	3.00	
60-69		1.01	.45	.22	.02								1.70	3.49	
70-79		1.07	.33	.23	.05								1.67	3.45	
80-89		1.03	.22	.19	.05								1.48	3.32	
90-99		1.10	.18	.09	.05								1.42	2.82	
100-109		1.11	.29	.04									1.44	2.55	
110-119		1.50	.34	.03									1.88	2.35	
120-129		1.29	.41	.04									1.74	2.69	
130-139		1.04	.56	.06									1.66	3.07	
140-149		.89	.47	.06									1.42	3.06	
150-159		.87	.34	.04									1.26	2.77	
160-169		.87	.28	.04									1.19	2.67	
170-179		.90	.23	.02									1.15	2.53	
180-189		.93	.24	.02									1.20	2.55	
190-199		1.20	.33	.05									1.62	2.78	
200-209		1.27	.64	.14	.05								2.05	3.22	
210-219		1.45	.81	.28	.02								2.57	3.52	
220-229		1.40	.65	.24	.02								2.32	3.44	
230-239		1.72	.69	.18	.02								2.62	3.10	
240-249		2.15	.57	.19	.02								2.93	2.92	
250-259		2.42	.76	.21	.03								3.42	2.93	
260-269		2.59	.88	.20	.05								3.82	3.11	
270-279		3.31	1.23	.46	.05								5.05	3.21	
280-289		3.65	1.35	.55	.11	.00							5.67	3.36	
290-299		3.13	1.48	.46	.05								5.13	3.41	
300-309		2.35	1.21	.35	.05								3.98	3.45	
310-319		2.26	.93	.21	.03	.00							3.44	3.06	
320-329		1.46	.61	.14	.02								2.23	3.12	
330-339		1.20	.48	.05	.02								1.76	2.86	
340-349		.97	.30	.05	.03								1.33	2.69	
350-359		.91	.19	.02	.00								1.13	2.38	
CALC	19.94												19.94		
TOT	19.94	54.02	15.73	5.57	.73	.01							100.00	2.60	
26333															

STATION	CHS 15	MONTHLY		NOV								TOT	AVE SPD	
CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		2.16	.44	.07	.01								2.68	2.53
10-19		1.70	.48	.08	.03	.00							2.29	2.70
20-29		1.87	.55	.10	.04	.00							2.57	2.88
30-39		1.89	.86	.13	.10	.03	.00						3.01	3.56
40-49		1.59	.95	.14	.19	.06		.00					2.93	4.28
50-59		1.18	.74	.17	.42	.09	.00						2.60	5.66
60-69		.52	.58	.27	.34	.08							1.78	6.68
70-79		.30	.42	.27	.09	.01	.00						1.10	5.73
80-89		.19	.28	.19	.05								.72	5.42
90-99		.23	.35	.24	.01	.00							.84	5.27
100-109		.38	.60	.38	.05								1.41	5.24
110-119		.36	.48	.36	.13								1.33	5.80
120-129		.40	.37	.29	.17								1.17	5.60
130-139		.40	.25	.17									.93	5.02
140-149		.53	.23	.10	.10	.01							.97	4.50
150-159		.94	.13	.12	.07								1.26	3.62
160-169		1.03	.08	.06	.05	.00							1.23	3.07
170-179		.95	.10	.06	.02								1.13	2.62
180-189		.82	.17	.04	.01								1.03	2.60
190-199		1.06	.34	.10	.01								1.51	3.01
200-209		1.24	.69	.26	.04								2.23	3.71
210-219		1.47	1.08	.51	.08	.00							3.15	4.27
220-229		1.40	1.18	.65	.14	.00							3.38	4.62
230-239		1.40	.92	.55	.11								2.99	4.40
240-249		1.90	.70	.40	.13	.00							3.13	3.80
250-259		2.32	1.10	.40	.07								3.89	3.54
260-269		2.23	1.22	.28	.05								3.78	3.41
270-279		1.97	1.21	.38	.08	.01							3.65	3.75
280-289		2.17	1.03	.46	.14	.01							3.82	3.86
290-299		2.36	.98	.38	.10								3.83	3.48
300-309		2.79	1.03	.41	.02								4.26	3.19
310-319		2.35	1.07	.35	.01								3.78	3.30
320-329		2.20	.93	.27	.01								3.41	3.13
330-339		2.11	.73	.16									3.00	2.88
340-349		2.04	.57	.14	.06								2.76	2.74
350-359		2.05	.51	.12	.00								2.69	2.70
CALM	13.78												13.78	
TOT	13.78	50.51	25.37	9.08	2.91	.34	.01	.00					100.00	3.37

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION CHS 15	MONTHLY												TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		1.24	.49	.13									1.87	3.05
10-19		.85	.31	.15	.01								1.32	3.28
20-29		.67	.26	.18	.03								1.13	3.66
30-39		.54	.24	.16	.05								.99	4.22
40-49		.46	.26	.19	.04								.95	4.44
50-59		.84	.31	.12	.01								1.28	3.09
60-69		.33	.23	.11	.01								.67	3.93
70-79		.12	.10	.05									.27	4.10
80-89		.06	.03	.01									.10	3.48
90-99		.06	.00	.00									.06	1.59
100-109		.10											.10	1.25
110-119		.24	.00	.00									.24	1.82
120-129		.44		.01		.00							.45	1.98
130-139		.56	.02	.00									.58	1.83
140-149		.86	.04										.90	1.92
150-159		1.03	.11										1.14	2.06
160-169		1.30	.25	.01	.00								1.56	2.42
170-179		1.66	.34	.01									2.01	2.39
180-189		1.71	.41	.04									2.15	2.62
190-199		1.71	.75	.07	.01	.00							2.54	3.01
200-209		1.50	.80	.21	.02								2.53	3.40
210-219		1.14	.62	.34	.10								2.20	4.09
220-229		1.48	.75	.68	.17	.01							3.08	4.43
230-239		1.98	1.07	.92	.26	.02							4.25	4.62
240-249		2.75	1.26	.98	.24	.01							5.24	4.19
250-259		2.59	1.43	.90	.21								5.12	4.22
260-269		3.08	1.52	.61	.17	.00							5.39	3.73
270-279		3.46	1.27	.55	.08								5.37	3.38
280-289		3.89	1.12	.38	.06	.00							5.45	3.04
290-299		4.11	.96	.36	.05								5.41	2.84
300-309		4.04	.84	.25	.01								5.15	2.69
310-319		3.50	.70	.13	.01								4.34	2.60
320-329		3.14	.71	.09	.00								3.93	2.57
330-339		2.76	.88	.05									3.69	2.76
340-349		2.59	1.13	.10									3.82	2.96
350-359		1.82	.90	.14									2.86	3.07
CALM	11.87												11.87	
TOT	11.87	58.59	20.11	7.84	1.54	.05							100.00	3.02

35183

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION CHS 15	MONTHLY												JAN	
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<#56	TOT	AVE SPD
0-9		.16	.22	.23	.10								.67	5.97
10-19		.13	.10	.22	.10	.00							.55	6.85
20-29		.16	.06	.19	.08								.50	6.45
30-39		.19	.08	.10	.03								.40	4.72
40-49		.23	.11	.07	.02	.00							.43	4.25
50-59		.26	.26	.04	.00								.56	3.72
60-69		.35	.39	.10	.00								.84	4.07
70-79		.33	.49	.22	.02								1.06	4.71
80-89		.27	.48	.24	.02								1.00	4.84
90-99		.20	.36	.21	.31								.78	4.84
100-109		.16	.26	.17	.03								.63	5.36
110-119		.09	.15	.11	.03								.38	5.68
120-129		.14	.06	.03	.02								.24	3.81
130-139		.18	.02	.01									.21	2.08
140-149		.35	.02										.36	1.81
150-159		.52	.02										.53	1.82
160-169		.57	.05										.62	2.14
170-179		.53	.06	.00									.64	2.29
180-189		.67	.15	.01									.82	2.49
190-199		1.09	.28	.04									1.40	2.52
200-209		1.40	.67	.14									2.21	3.03
210-219		1.58	1.35	.38	.01								3.32	3.79
220-229		2.36	1.75	.48	.02								4.61	3.68
230-239		3.54	2.30	.53	.01								6.38	3.49
240-249		4.98	2.19	.38	.01								7.56	3.13
250-259		6.35	2.35	.38	.02								9.09	2.95
260-269		5.39	2.22	.59	.04								8.25	3.28
270-279		3.60	2.52	1.25	.20		.00						7.58	4.27
280-289		2.65	2.76	2.04	.52	.01							7.97	5.29
290-299		1.76	2.84	2.57	.76	.02	.00						7.96	6.11
300-309		1.40	2.34	2.19	.76	.03	.00						6.72	6.30
310-319		.74	1.41	1.38	.56	.03	.01						4.13	6.71
320-329		.43	.92	.54	.32	.02	.01						2.35	6.47
330-339		.31	.53	.39	.14	.00							1.37	5.93
340-349		.24	.53	.43	.05								1.25	5.64
350-359		.22	.37	.32	.06	.01							.98	5.88
CALM	5.64												5.64	
TOT	5.64	43.59	30.66	16.11	3.65	.13	.03						100.00	4.28
26076														

26076

STATION	CHS 15	MONTHLY	FEF											TOT	AVE SPD
CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		1.86	1.16	.46	.04								3.51	3.79	
10-19		1.56	.79	.52	.08								2.95	4.10	
20-29		1.46	.64	.60	.12								2.82	4.35	
30-39		1.37	.46	.51	.15								2.50	4.28	
40-49		1.12	.33	.21	.06								1.72	3.57	
50-59		1.04	.25	.09	.00								1.39	2.77	
60-69		.85	.25	.05									1.16	2.73	
70-79		.60	.15	.04									.78	2.59	
80-89		.48	.10	.00									.59	2.25	
90-99		.23	.11										.34	2.65	
100-109		.37	.13	.01									.51	2.61	
110-119		.39	.21	.01									.62	2.83	
120-129		.45	.19	.01									.65	2.73	
130-139		.47	.16	.01									.64	2.58	
140-149		.46	.15	.05									.65	2.98	
150-159		.63	.17	.04									.85	2.97	
160-169		.72	.19	.02									.93	2.68	
170-179		.76	.08	.01									.85	2.32	
180-189		.74	.07	.01									.82	2.09	
190-199		.64	.11	.02	.00								.77	2.43	
200-209		.65	.18	.07	.00								.91	2.97	
210-219		.95	.44	.13	.03								1.55	3.53	
220-229		1.16	.62	.25	.07	.00							2.10	3.87	
230-239		1.25	.84	.39	.06	.01							2.56	4.13	
240-249		1.62	.94	.39	.03	.00							2.99	3.84	
250-259		2.04	1.18	.47	.03	.01							3.73	3.78	
260-269		2.20	1.25	.38	.04								3.86	3.62	
270-279		2.35	1.64	.67	.05								4.71	3.95	
280-289		2.43	2.64	1.07	.14	.00							6.29	4.45	
290-299		2.65	3.24	1.72	.23								7.85	4.84	
300-309		2.52	3.73	1.87	.27								8.79	4.85	
310-319		2.43	3.19	1.82	.24								7.68	5.04	
320-329		2.41	2.68	1.19	.12	.00							6.40	4.54	
330-339		1.89	1.89	.56	.06								4.39	4.14	
340-349		1.76	1.41	.33	.03										

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STATION	CHS 15	MONTHLY	MAR									TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9	1.31	.79	.43	.05								2.58	3.95
10-19	1.22	.90	.65	.12								2.89	4.62
20-29	1.29	1.18	.93	.20	.01							3.61	5.04
30-39	1.17	1.22	1.20	.46	.00							4.05	5.82
40-49	1.45	1.28	.94	.27	.01							3.95	5.04
50-59	1.34	1.11	.52	.10								3.17	4.44
60-69	1.20	1.32	.49	.02								3.03	4.21
70-79	1.24	1.32	.34	.00								2.90	3.84
80-89	1.37	1.33	.24									2.93	3.66
90-99	1.34	1.06	.12									2.51	3.28
100-109	1.46	.71	.11									2.27	3.09
110-119	1.26	.79	.07									2.11	3.14
120-129	1.04	.74	.10									1.88	3.25
130-139	.92	.70	.09									1.71	3.45
140-149	.63	.46	.04									1.13	3.35
150-159	.61	.23	.03									.87	2.88
160-169	.50	.16	.02									.68	2.67
170-179	.49	.09	.01									.58	2.36
180-189	.40	.08	.01	.00								.50	2.61
190-199	.52	.20	.07	.00								.79	3.23
200-209	.62	.44	.15	.01								1.23	3.75
210-219	.80	.65	.33	.04								1.82	4.21
220-229	.98	.69	.29	.05								2.00	4.15
230-239	.97	.57	.20	.02								1.75	3.72
240-249	1.09	.70	.34	.04								2.17	3.98
250-259	1.41	1.09	.40	.02								2.93	3.83
260-269	2.09	1.32	.56	.05								4.02	3.69
270-279	2.98	1.40	.73	.05								5.15	3.55
280-289	3.31	1.55	.66	.11								5.64	3.55
290-299	2.66	1.67	.63	.12	.00							5.09	3.83
300-309	2.29	1.67	.59	.12	.00							4.68	3.96
310-319	1.52	1.54	.45	.07								3.59	4.10
320-329	1.29	.82	.30	.04								2.45	3.80
330-339	.69	.49	.17	.02								1.57	3.45
340-349	.84	.47	.11	.02								1.44	3.31
350-359	1.09	.44	.24	.01	.00							1.78	3.34
CALM	8.54											8.54	
TOT	8.54	45.57	31.17	12.67	2.02	.03						100.00	3.78

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION CHS 15	MONTHLY	APR												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.89	.40	.01									1.31	2.85
10-19		.71	.32	.03									1.05	2.93
20-29		.81	.42	.05									1.29	3.07
30-39		1.07	.51	.15									1.73	3.28
40-49		1.09	.78	.35	.03								2.25	3.99
50-59		.87	.95	.66	.06								2.54	4.87
60-69		.68	1.10	.90	.15								2.83	5.63
70-79		.65	1.19	.96	.18								2.98	5.82
80-89		.53	1.27	.88	.14								2.82	5.71
90-99		.51	.96	.75	.15								2.38	5.74
100-109		.56	.84	.61	.10								2.11	5.43
110-119		.61	.94	.42	.06								2.03	4.88
120-129		.54	.66	.33	.01								1.55	4.62
130-139		.50	.45	.19									1.13	4.03
140-149		.39	.32	.09									.80	3.54
150-159		.29	.25	.05									.58	3.64
160-169		.40	.20	.02									.61	2.95
170-179		.42	.10	.00									.52	2.45
180-189		.32	.08										.40	2.24
190-199		.54	.07	.01									.63	1.99
200-209		.61	.20	.11									.92	3.18
210-219		.89	.77	.29	.01								1.96	4.04
220-229		1.32	1.55	.73	.04	.00							3.65	4.55
230-239		1.55	2.29	.88	.01	.00							4.72	4.56
240-249		1.96	2.60	1.02	.03	.00							5.67	4.57
250-259		2.39	2.65	1.22	.29								6.55	4.75
260-269		1.69	2.34	1.63	.47	.02	.01						6.36	5.55
270-279		1.86	2.43	1.71	.64	.03							6.08	5.69
280-289		1.89	1.70	1.53	.65	.05							5.82	5.84
290-299		1.96	1.48	1.06	.43	.01							4.95	5.21
300-309		1.71	1.39	.59	.23	.01							3.95	4.67
310-319		1.52	1.10	.46	.17								3.24	4.32
320-329		1.14	.81	.27	.05								2.27	3.94
330-339		.99	.61	.08	.02								1.71	3.39
340-349		1.01	.45	.04	.00								1.51	2.95
350-359		1.02	.47	.03	.00								1.52	2.96
CALM	6.97												6.97	
TOT	6.97	35.89	34.88	18.11	4.02	.13	.01						100.00	4.52
													26903	

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STATION	CHS 15	MONTHLY		MAY		11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9	CALM	1-3	4-6	7-10										.50	1.79
10-19		.45	.05	.00										.68	2.01
20-29		.60	.08											1.08	2.22
30-39		.92	.16											2.02	2.80
40-49		1.39	.52	.04										3.14	3.47
50-59		1.76	1.17	.21										2.02	2.80
60-69		1.23	1.42	.51	.00									3.16	4.19
70-79		.81	1.58	.67	.02									3.08	4.85
80-89		.82	1.16	.55	.03									2.55	4.71
90-99		.95	.83	.41	.03									2.22	4.32
100-109		1.25	.97	.41	.05									2.67	4.11
110-119		1.51	1.32	.53	.04									3.50	4.35
120-129		1.36	1.36	.53	.04									3.31	4.34
130-139		1.42	1.38	.48	.02									3.31	4.12
140-149		1.06	1.04	.32	.02									2.45	4.03
150-159		1.04	.84	.14										2.01	3.53
160-169		1.06	.62	.07										1.74	3.10
170-179		.36	.40	.04										1.40	2.81
180-189		.96	.30	.02										1.29	2.63
190-199		1.11	.31	.02	.01									1.44	2.63
200-209		1.45	.52	.04										2.02	2.80
210-219		1.35	.70	.12	.00									2.18	3.19
220-229		1.24	.93	.30	.02									2.48	3.76
230-239		1.52	1.35	.61	.06									3.54	4.25
240-249		1.97	1.64	.70	.08									4.39	4.21
250-259		2.58	1.81	.76	.09									5.24	4.02
260-269		3.24	1.81	.77	.13	.00								5.95	3.90
270-279		2.24	1.70	.71	.08	.00								4.74	4.06
280-289		2.30	1.39	.64	.09									4.41	3.89
290-299		1.77	1.36	.59	.04									3.71	3.97
300-309		1.37	1.03	.47	.05									2.92	4.01
310-319		.87	.87	.42	.04									2.21	4.34
320-329		.66	.58	.28	.00									1.53	4.11
330-339		.50	.43	.11	.01									1.08	3.62
340-349		.31	.20	.08	.01									.63	3.63
350-359		.29	.11	.02	.00									.43	2.85
CALM	10.43	.41	.08	.00										.49	2.05
TOT	10.48	44.72	32.10	11.72	.97	.91								100.00	3.58
26532															

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION C45 15		MONTHLY		AUG										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.63	.07										.77	2.09	
10-19		.75	.09										.84	2.05	
20-29		.70	.16										.86	2.33	
30-39		.35	.22	.00									1.07	2.49	
40-49		.96	.30	.01									1.27	2.61	
50-59		.81	.31	.02									1.11	2.78	
60-69		.68	.41	.03									1.11	3.03	
70-79		.58	.39	.03									.91	3.18	
80-89		.57	.29	.01									.87	2.88	
90-99		.58	.37	.02									.98	3.12	
100-109		.65	.50	.03									1.37	3.19	
110-119		.96	.43	.02									1.47	2.99	
120-129		1.02	.31	.00									1.35	2.64	
130-139		1.10	.23										1.32	2.49	
140-149		1.33	.18										1.51	2.22	
150-159		1.32	.19	.01	.00								1.52	2.33	
160-169		1.33	.19	.01									1.50	2.28	
170-179		1.05	.21	.01									1.27	2.29	
180-189		1.27	.22	.01									1.50	2.28	
190-199		1.32	.33	.03									2.18	2.39	
200-209		2.59	.77	.04									3.40	2.65	
210-219		3.30	1.27	.03									4.66	2.78	
220-229		4.13	1.44	.12									5.70	2.72	
230-239		4.46	1.14	.12									5.71	2.53	
240-249		5.16	.97	.08	.00								6.22	2.28	
250-259		4.89	.69	.05	.01								5.64	2.12	
260-269		4.73	.55	.04									5.37	1.93	
270-279		5.03	.62	.05									5.70	1.94	
280-289		4.42	.76	.04	.00								5.23	2.08	
290-299		2.90	.71	.05	.00								3.66	2.35	
300-309		1.90	.46	.02	.00								2.39	2.38	
310-319		1.13	.38	.02									1.52	2.54	
320-329		.70	.16	.02									.95	2.28	
330-339		.55	.10	.01									.66	2.15	
340-349		.53	.07										.60	2.05	
350-359		.50	.06										.63	2.03	
CALM	17.05												17.05		
TOT	17.05	66.32	15.59	1.00	.03								100.00	2.15	
														26198	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION CHS 15	ANNUAL													
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.98	.37	.12	.01								1.48	3.14
10-19		.84	.33	.15	.03	.00							1.35	3.44
20-29		.90	.39	.19	.04	.00							1.52	3.64
30-39		1.01	.43	.23	.07	.00	.00						1.79	3.86
40-49		1.04	.59	.23	.05	.01		.00					1.93	3.88
50-59		.96	.58	.24	.05	.01	.00						1.84	3.98
60-69		.74	.63	.27	.05	.01							1.69	4.32
70-79		.67	.52	.24	.03	.00	.00						1.46	4.16
80-89		.66	.47	.18	.02								1.33	3.91
90-99		.68	.45	.15	.02	.00							1.30	3.75
100-109		.82	.54	.16	.02								1.54	3.72
110-119		.88	.60	.14	.02	.00							1.64	3.65
120-129		.87	.55	.12	.01	.00							1.55	3.51
130-139		.81	.47	.09	.01								1.38	3.39
140-149		.84	.38	.06	.01	.00							1.29	3.09
150-159		.93	.31	.05	.01								1.29	2.85
160-169		.98	.25	.03	.00	.00							1.26	2.66
170-179		1.00	.21	.02	.00								1.22	2.44
180-189		1.07	.24	.02	.00								1.34	2.54
190-199		1.45	.42	.06	.00	.00							1.94	2.73
200-209		1.69	.75	.14	.01								2.58	2.11
210-219		1.96	1.14	.28	.03	.00							3.41	3.48
220-229		2.28	1.35	.42	.05	.00							4.12	3.64
230-239		2.62	1.37	.45	.05	.00							4.50	3.54
240-249		3.09	1.34	.43	.06	.00							4.93	3.35
250-259		3.24	1.21	.43	.07	.00							5.05	3.29
260-269		2.96	1.23	.43	.08	.00	.00						4.71	3.34
270-279		3.00	1.25	.54	.10	.00	.00						4.89	3.47
280-289		2.95	1.33	.61	.14	.01							5.04	3.65
290-299		2.50	1.35	.65	.14	.00	.00						4.65	3.93
300-309		2.08	1.27	.59	.12	.00	.00						4.06	4.01
310-319		1.63	1.01	.44	.09	.02	.00						3.17	4.00
320-329		1.32	.74	.27	.05	.00	.00						2.38	3.71
330-339		1.08	.55	.14	.02	.00							1.79	3.36
340-349		1.00	.47	.11	.01								1.59	3.19
350-359		.95	.39	.10	.01	.00							1.45	3.11
CALM	11.55												11.55	
TOT	11.56	52.48	25.62	8.80	1.48	.06	.00	.00					100.00	3.25
													349581	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKG 20	MONTHLY	SEP												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		3.02	.29	.18	.01								3.50	2.34
10-19		3.16	.43	.51	.03								4.16	3.01
20-29		2.61	.56	.74	.08								3.98	3.65
30-39		2.56	.56	.44	.06								2.62	3.35
40-49		1.95	.28	.06									2.29	2.42
50-59		1.05	.13	.02									1.20	2.22
60-69		.73	.05	.01									.79	1.94
70-79		.50	.04										.54	1.92
80-89		.43	.08	.01									.51	2.11
90-99		.46	.17										.63	2.49
100-109		.38	.15	.01									.54	2.63
110-119		.49	.20	.02									.71	2.79
120-129		.47	.23										.70	2.66
130-139		.43	.12	.01									.55	2.40
140-149		.60	.13	.01									.74	2.23
150-159		1.54	.38	.12	.01								2.05	2.72
160-169		2.85	.54	.37	.10								3.86	3.07
170-179		3.30	.54	.20	.11								4.16	2.76
180-189		3.16	.61	.23	.06								4.06	2.67
190-199		3.70	.73	.09	.01								4.53	2.38
200-209		3.81	.70	.05									4.56	2.25
210-219		3.46	.61	.03	.01								4.11	2.25
220-229		2.73	.47	.04									3.25	2.26
230-239		1.84	.42	.02									2.27	2.32
240-249		1.41	.22	.02									1.65	2.20
250-259		.94	.21	.02									1.17	2.29
260-269		.95	.24	.01									1.20	2.27
270-279		.87	.13	.01									1.02	1.99
280-289		.59	.10	.01									.70	2.11
290-299		.57	.12										.69	2.13
300-309		.76	.11	.01									.88	2.03
310-319		.73	.13	.01									.88	2.17
320-329		1.06	.28	.12	.01								1.47	2.97
330-339		1.76	.46	.28	.06								2.59	3.22
340-349		2.00	.46	.27	.04								2.77	2.97
350-359		2.03	.36	.16	.01								2.56	2.41
CALM	25.12												25.12	
TOT	25.12	58.88	11.27	4.08	.64								103.00	2.06

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKO 20	MONTHLY	OCT												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		2.04	.04										2.07	1.85
10-19		1.54	.15	.05									1.74	2.28
20-29		1.47	.24	.09									1.81	2.46
30-39		1.31	.24	.32									1.56	2.23
40-49		1.09	.11	.01									1.21	2.04
50-59		.76	.05		.00								.81	1.93
60-69		.62	.03	.00									.65	1.57
70-79		.57	.02										.60	1.60
80-89		.52	.01	.00									.54	1.59
90-99		.84	.02										.86	1.41
100-109		.82	.05										.88	1.61
110-119		1.00	.09										1.10	1.70
120-129		1.12	.13	.00									1.25	1.89
130-139		1.06	.16										1.22	1.94
140-149		1.13	.11	.00									1.24	1.57
150-159		1.17	.12	.00									1.30	1.84
160-169		1.76	.25	.06									2.07	2.20
170-179		2.48	.29	.06	.00								2.84	2.22
180-189		2.74	.34	.02	.00								3.11	2.26
190-199		3.29	.34	.01									3.64	2.15
200-209		3.12	.41										3.53	2.20
210-219		2.79	.40	.02									3.21	2.25
220-229		2.09	.10	.02									2.31	2.09
230-239		1.75	.20	.01	.00								1.97	2.00
240-249		1.30	.15	.02									1.47	2.05
250-259		1.30	.13	.03	.01								1.46	2.08
260-269		1.33	.12	.04									1.49	2.10
270-279		1.49	.18	.06	.00								1.73	2.27
280-289		1.45	.2	.04	.00								1.62	2.23
290-299		2.13	.19	.03									2.35	2.22
300-309		3.25	.38	.02	.01								3.66	2.29
310-319		5.07	.68	.02	.02								5.60	2.27
320-329		5.96	1.19	.07									7.22	2.44
330-339		4.57	.89	.05	.01								5.52	2.47
340-349		2.27	.29	.03									2.59	2.27
350-359		1.83	.11	.00									1.94	1.88
CALM	21.63												21.63	
TOT	21.63	69.04	8.44	.82	.08								100.00	1.84
												22343		

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKO 20	MONTHLY			NOV	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
	CALM	1-3	4-6	7-10										
0-9		3.10	.75	.01									3.85	1.98
10-19		2.85	.30										3.16	1.52
20-29		3.19	.09										3.28	1.25
30-39		2.15	.01										2.15	1.13
40-49		1.12	.02										1.14	1.24
50-59		.68	.03										.71	1.48
60-69		.41	.07										.49	1.99
70-79		.49	.06										.55	1.84
80-89		.52	.14	.01									.68	2.45
90-99		.77	.16	.04	.00								.98	2.58
100-109		.98	.19	.04	.01								1.22	2.52
110-119		1.11	.13	.11	.01								1.36	2.56
120-129		.86	.11	.08	.01								1.06	2.54
130-139		1.13	.05	.06	.03								1.27	2.38
140-149		1.25	.10	.03	.02								1.41	2.21
150-159		1.14	.08	.04	.00								1.26	2.05
160-169		1.25	.08	.05	.02								1.40	1.92
170-179		1.60	.32	.13	.05								2.10	2.45
180-189		1.66	.46	.29	.06								2.46	2.52
190-199		1.77	.69	.47	.08								3.30	3.59
200-209		1.69	1.12	.53	.08								3.42	3.83
210-219		1.67	.81	.45	.05								3.18	3.57
220-229		1.56	.64	.21	.04								2.45	3.15
230-239		1.35	.49	.11	.02								1.97	3.00
240-249		1.16	.31	.05	.01								1.53	2.63
250-259		1.08	.38	.05									1.51	2.94
260-269		1.07	.58	.06	.00								1.72	3.15
270-279		1.13	.56	.10									1.80	3.12
280-289		1.01	.31	.05									1.37	2.68
290-299		1.24	.20	.04	.00								1.47	2.34
300-309		1.81	.40	.05									2.27	2.27
310-319		2.43	.53	.10									3.06	2.19
320-329		3.78	1.05	.16	.01								5.00	2.18
330-339		4.05	1.62	.21	.02								5.90	2.45
340-349		3.32	1.21	.02									4.56	2.21
350-359		3.00	.79	.01									3.79	2.02
CALM	21.17												21.17	
TOT	21.17	59.60	15.16	3.54	.53								100.00	2.28
													28384	

STATION	RKD	20	MONTHLY				DEC								TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56				
0-9		2.24	4.11	.49	.01								6.85	4.11		
10-19		1.47	2.92	.58	.01								4.99	4.34		
20-29		1.08	1.65	.70	.02								3.45	4.57		
30-39		.95	.59	.39	.03								1.97	3.97		
40-49		.55	.39	.18	.00								1.12	3.58		
50-59		.28	.22	.16	.00								.66	4.07		
60-69		.20	.11	.08	.01	.00							.40	3.91		
70-79		.12	.09	.06	.01								.27	4.11		
80-89		.10	.03	.04									.18	3.50		
90-99		.13	.00	.01									.15	1.54		
100-109		.13	.01	.00	.00								.14	1.86		
110-119		.16											.16	1.45		
120-129		.26	.02										.28	1.85		
130-139		.31	.09										.40	2.31		
140-149		.33	.12										.46	2.45		
150-159		.43	.27										.70	2.89		
160-169		.47	.29	.00									.76	2.76		
170-179		.72	.23										.96	2.59		
180-189		.63	.31	.00									1.14	2.75		
190-199		1.30	.59	.03									1.32	2.97		
200-209		1.79	1.05	.03									2.87	3.07		
210-219		1.82	1.10	.04	.00								2.97	3.10		
220-229		1.40	.79	.06	.01								2.26	3.10		
230-239		1.07	.50	.07	.02								1.66	3.05		
240-249		1.00	.34	.12	.03								1.49	3.21		
250-259		1.11	.43	.30	.08	.00							1.92	3.89		
260-269		1.07	.43	.36	.17	.00							2.05	4.45		
270-279		1.03	.57	.55	.13	.00							2.29	4.72		
280-289		1.25	.62	.44	.13								2.44	4.42		
290-299		.09	.80	.54	.17								2.59	4.69		
300-309		1.36	1.16	.75	.22	.01							3.99	4.45		
310-319		2.08	1.89	1.12	.27								5.36	4.72		
320-329		3.27	1.73	.71	.18	.01							5.90	3.80		
330-339		4.22	2.87	.62	.17	.00							7.88	3.67		
340-349		3.61	3.38	.26	.03								7.29	3.52		
350-359		3.12	3.40	.29	.01								6.82	3.64		
CALM	13.28												13.28			
TOT	13.28	42.87	33.11	9.93	1.72	.03							100.00	3.47		

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKO 20	MONTHLY	JAN											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.74	.19	.04	.01								.98	2.47
10-19		.73	.33	.26	.11								1.43	4.31
20-29		.80	.51	.90	.20								2.40	5.69
30-39		.65	.32	.62	.14								1.72	5.37
40-49		.33	.26	.09	.01								.68	3.88
50-59		.23	.09	.00									.32	2.71
60-69		.21	.10										.31	2.81
70-79		.22	.06										.28	2.54
80-89		.29	.03										.32	1.98
90-99		.23	.02										.25	1.93
100-109		.33	.02										.35	1.98
110-119		.39	.05	.00									.45	2.13
120-129		.37	.13	.02									.53	2.83
130-139		.36	.09	.11	.01								.58	3.78
140-149		.36	.16	.03	.01								.85	4.97
150-159		.59	.18	.55	.05								1.37	5.11
160-169		.90	.39	.63	.06								2.04	4.86
170-179		1.25	.64	.37	.09	.01							2.36	4.11
180-189		1.50	1.12	.27	.00								2.85	3.56
190-199		2.57	1.87	.37	.00								4.81	3.59
200-209		4.40	3.01	.36									7.78	3.41
210-219		4.46	3.42	.50									8.18	3.45
220-229		3.03	2.54	.15	.00								5.77	3.48
230-239		2.14	1.64	.20									3.98	3.47
240-249		1.88	1.03	.14	.00								3.06	3.24
250-259		1.41	.94	.25	.00								2.60	3.61
260-269		1.16	1.15	.44	.02								2.76	4.17
270-279		1.13	1.37	.73	.06								3.28	4.69
280-289		1.22	1.37	.65	.08								3.33	4.63
290-299		1.13	1.51	1.30	.23	.01							4.18	5.55
300-309		1.03	2.06	1.96	.61	.04	.01						5.71	6.50
310-319		.97	2.11	2.25	1.13	.12	.72						6.59	7.27
320-329		1.28	1.51	1.02	1.39	.31	.03						6.33	7.79
330-339		1.08	.99	.97	.75	.21	.02						4.04	7.34
340-349		.87	.31	.21	.13	.01							1.53	4.32
350-359		.68	.11	.03	.01								.84	2.36
CALM	5.13												5.13	
TOT	5.13	40.89	31.66	16.41	5.11	.71	.08						100.00	4.59

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKO 20	MONTHLY	FES											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.73	.75	1.30	.79	.05	.00						3.61	7.65	
10-19	.75	.73	1.59	.66	.08							3.82	7.57	
20-29	.68	.59	1.25	.30	.05							2.87	6.86	
30-39	.52	.47	1.06	.17	.01							2.23	6.49	
40-49	.53	.57	.77	.09	.02							1.97	5.91	
50-59	.49	.53	.53	.10	.01	.01						1.66	5.77	
60-69	.48	.39	.37	.09	.02							1.36	5.59	
70-79	.55	.44	.21	.12	.01							1.33	5.05	
80-89	.60	.42	.25	.14	.04	.00						1.45	5.40	
90-99	.54	.45	.33	.14	.03	.00						1.49	5.63	
100-109	.60	.53	.32	.15	.03	.01						1.65	5.57	
110-119	.57	.46	.36	.22	.07	.01	.00					1.70	6.36	
120-129	.58	.45	.34	.19	.04	.01						1.60	6.01	
130-139	.61	.43	.27	.10	.03	.00						1.45	5.29	
140-149	.68	.57	.21	.12	.06	.01						1.66	5.26	
150-155	.73	.07	.29	.15	.03	.02						1.89	5.42	
160-169	.75	.61	.27	.19	.03	.01		.00				1.87	5.42	
170-179	.69	.62	.37	.17	.06	.02						1.92	5.74	
180-189	.67	.53	.33	.19	.09	.01						1.81	6.18	
190-199	.79	.85	.35	.29	.39	.13	.00					2.81	8.24	
200-209	.77	1.09	.39	.39	.55	.20	.02	.00				3.42	9.18	
210-219	.68	.95	.57	.31	.36	.11	.02					3.01	8.29	
220-229	.71	.77	.78	.46	.03	.01						2.76	6.77	
230-239	.56	.77	1.41	.42	.03							3.20	7.28	
240-249	.62	.69	1.49	.60	.01	.01						3.43	7.52	
250-259	.62	.75	1.13	.56	.02	.01						3.10	7.24	
260-269	.78	.78	.83	.43	.02	.00						2.84	6.48	
270-279	.84	.73	.71	.27	.03							2.57	5.90	
280-289	.88	1.06	.83	.29	.02							3.07	5.82	
290-299	.93	1.45	1.55	.42	.02							4.38	6.30	
300-309	1.03	1.84	2.01	.70	.04	.00						5.63	6.68	
310-319	1.00	1.84	2.48	1.13	.06	.00						6.51	7.27	
320-329	.82	1.58	1.88	.85	.03							5.16	7.04	
330-339	.68	1.22	.81	.34	.03							3.07	6.15	
340-349	.77	.81	.61	.43	.04							2.65	6.28	
350-359	.77	.85	.68	.57	.05	.00						2.92	6.82	
CALM	2.15											2.15		
TOT	2.15	25.01	28.22	28.91	12.51	2.51	.62	.05	.01			100.00	6.66	
24823														

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKO 20	MONTHLY	MAR										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	
0-9		1.36	1.33	.83	.83	.05	.01						4.41 6.36
10-19		1.24	1.45	1.04	1.21	.19	.02						5.15 7.33
20-29		1.03	1.45	1.11	1.06	.23	.02						4.91 7.48
30-39		1.08	1.06	.90	.57	.11	.00	.00					3.72 6.47
40-49		.95	.89	.56	.25	.03	.01						2.72 5.43
50-59		1.02	.82	.38	.11	.02							2.35 4.46
60-69		.97	.55	.21	.07	.01	.00						1.81 3.99
70-79		.91	.36	.18	.06	.01	.00						1.52 3.82
80-89		1.09	.40	.15	.08	.03							1.74 3.79
90-99		.96	.43	.14	.07	.02	.01						1.63 3.99
100-109		1.26	.51	.13	.05	.01	.01						1.97 3.57
110-119		1.11	.62	.18	.05	.02	.00						1.98 3.90
120-129		.94	.52	.15	.04	.01	.01						1.67 3.80
130-139		.78	.40	.13	.05	.01	.01						1.38 3.99
140-149		.76	.33	.07	.06	.01	.00						1.23 3.69
150-159		.64	.32	.13	.06	.01	.00	.00					1.17 4.21
160-169		.53	.40	.13	.04	.01	.00	.00					1.12 4.21
170-179		.61	.59	.22	.05	.01	.00						1.49 4.56
180-189		.66	.47	.32	.08	.02		.01					1.56 4.98
190-199		.56	.59	.45	.09	.01	.01						1.71 5.32
200-209		.77	.62	.60	.10	.01							2.10 5.13
210-219		.70	.94	.49	.19	.03	.00						2.36 5.44
220-229		.73	.95	.49	.20	.02	.01						2.41 5.55
230-239		.75	.80	.47	.19	.03							2.24 5.36
240-249		.67	.84	.44	.14	.02							2.11 5.35
250-259		.82	.81	.54	.18	.05							2.39 5.55
260-269		.90	.96	.61	.24	.07	.02						2.81 5.87
270-279		1.06	1.02	.61	.26	.04	.00						3.00 5.38
280-289		1.15	.75	.44	.22	.02		.00					2.59 4.89
290-299		1.49	.95	.51	.23	.01	.00		.00				3.20 4.63
300-309		1.78	1.29	.65	.40	.03							4.16 4.99
310-319		2.06	1.36	.76	.41	.06	.00						4.66 5.04
320-329		2.30	1.57	.67	.50	.10	.01	.00					5.16 5.17
330-339		1.93	1.09	.54	.23	.07	.01	.00					3.86 4.66
340-349		1.77	.91	.39	.27	.01	.02						3.36 4.47
350-359		1.52	.84	.54	.39	.32	.01						3.32 5.16
CALM	5.03												5.03
TOT	5.03	38.89	29.18	16.19	9.05	1.40	.22	.03	.00			100.00	5.12
												29186	

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STATION	RKO 20	MONTHLY	APR										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56		
0-9		1.07	1.10	.46	.09								2.72	4.52
10-19		1.07	.98	.49	.06								2.60	4.46
20-29		.99	.83	.64	.10								2.55	4.88
30-39		.91	.85	.75	.15	.01							2.69	5.47
40-49		1.04	1.02	.69	.15	.03	.01	.00					2.93	5.23
50-59		1.10	.87	.57	.21	.02	.01						2.79	5.13
60-69		1.10	.91	.42	.16	.01	.00						2.61	4.80
70-79		.98	.91	.30	.13	.02							2.75	4.63
80-89		1.07	.91	.27	.10	.03							2.38	4.50
90-99		.94	.81	.21	.07	.01							2.04	4.21
100-109		.86	.71	.23	.04								1.84	4.10
110-119		.74	.81	.24	.04								1.63	4.23
120-129		.60	.63	.18	.01								1.41	4.08
130-139		.52	.52	.13	.00								1.18	3.95
140-149		.41	.38	.10	.01								.91	3.52
150-159		.44	.31	.12	.00								.87	3.89
160-169		.43	.29	.11	.01								.84	3.76
170-179		.44	.30	.10	.03								.88	4.08
180-189		.46	.32	.12	.02	.00							.93	4.06
190-199		.56	.53	.23	.03	.00							1.35	4.39
200-209		.96	1.07	.37	.02								2.42	4.27
210-219		.96	1.71	.74	.07	.01	.00						3.49	5.00
220-229		.84	1.71	1.09	.12	.00							3.77	5.49
230-239		.84	1.45	.92	.16	.01							3.39	5.44
240-249		.90	1.27	1.06	.23	.01							3.47	5.73
250-259		.61	1.25	1.00	.35	.00							3.42	6.00
260-269		.98	1.40	1.52	.54	.03							4.46	6.43
270-279		1.01	1.38	1.59	.71	.02							4.72	6.65
280-289		.93	1.31	1.37	.43	.02	.00						4.07	6.31
290-299		.96	1.34	1.49	.38								4.15	6.14
300-309		1.09	1.37	1.47	.39	.00							4.32	6.02
310-319		1.16	1.47	1.23	.38	.01							4.30	5.84
320-329		1.22	1.59	1.27	.37	.03							4.47	5.83
330-339		1.27	1.50	.81	.22	.02							3.82	5.12
340-349		1.09	1.19	.60	.15	.00							3.04	4.93
350-359		1.09	1.13	.41	.10	.01							2.74	4.50
CALM	2.25												2.25	
TOT	2.25	31.84	36.13	23.33	5.04	.34	.05	.00					100.00	5.27

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKO 20	MONTHLY												TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.86	.91	.21	.03								1.98	3.87
10-19		1.00	.91	.41	.03								2.34	4.24
20-29		1.30	1.56	.76	.04								3.66	4.56
30-39		1.50	1.37	.81	.09	.03							4.28	4.59
40-49		1.21	1.37	.46	.04								3.08	4.27
50-59		.97	.83	.18	.03								2.01	3.79
60-69		.86	.59	.10									1.54	3.42
70-79		.83	.49	.09	.00								1.41	3.26
80-89		.90	.53	.09	.00	.00							1.53	3.28
90-99		1.07	.66	.11	.01								1.85	3.45
100-109		1.20	.73	.12									2.05	3.34
110-119		1.27	.93	.14	.02								2.42	3.56
120-129		1.30	1.02	.11	.01								2.43	3.45
130-139		1.33	.88	.12									2.33	3.44
140-149		1.29	1.17	.17	.00								2.63	3.64
150-159		1.21	1.40	.25	.02								2.89	4.00
160-169		1.14	1.69	.40	.18								3.41	4.69
170-179		1.09	1.68	.81	.18								3.76	5.15
180-189		.96	1.40	.43	.06								2.85	4.55
190-199		1.21	1.32	.37	.04								2.94	4.19
200-209		1.41	1.69	.23	.02								3.39	4.00
210-219		1.43	1.64	.50	.02								3.59	4.18
220-229		1.40	1.55	.54	.06								3.54	4.35
230-239		1.28	1.41	.53	.05	.00							3.26	4.40
240-249		1.06	1.22	.48	.03								2.79	4.43
250-259		1.03	.94	.18	.02	.00							2.48	4.36
260-269		1.03	1.11	.49	.03								2.65	4.39
270-279		1.03	.92	.40	.03								2.37	4.24
280-289		1.01	.81	.28	.02								2.13	4.02
290-299		1.06	.83	.20	.02								2.12	3.72
300-309		.99	.70	.31	.03								2.03	3.99
310-319		1.08	.92	.39	.06	.00							2.45	4.31
320-329		1.13	1.21	.64	.18								3.16	4.95
330-339		1.08	.93	.47	.16								2.68	4.75
340-349		.78	.57	.15	.02								1.50	3.68
350-359		.70	.57	.10	.00								1.38	3.57
CALM	7.06												7.06	
TOT	7.06	40.00	39.06	12.36	1.50	.02							100.00	3.96

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STATION	RKD	20	MONTHLY	JUL									TOT	AVE SPD
CALM			1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	
0-9			1.47	.56	.10	.01								2.14 2.84
10-19			1.26	.49	.13	.01								1.89 3.00
20-29			1.26	.54	.24	.01								2.05 3.32
30-39			1.38	.55	.13	.00								2.07 3.03
40-49			1.15	.32	.02									1.49 2.42
50-59			.60	.08	.00									.69 2.05
60-69			.46	.06										.52 1.87
70-79			.34	.02										.37 1.63
80-89			.41	.02										.43 1.64
90-99			.55	.03										.57 1.88
100-109			.83	.10										.90 2.16
110-119			1.06	.23	.01									1.30 2.47
120-129			1.10	.30	.00									1.40 2.59
130-139			.95	.33	.04									1.32 2.82
140-149			.88	.39	.05	.00								1.32 2.96
150-159			.83	.78	.27	.02								1.89 4.11
160-169			1.12	1.92	1.04	.07								4.15 5.00
170-179			1.72	3.56	1.31	.16	.00							7.36 5.22
180-189			2.15	3.25	.97	.06								6.44 4.48
190-199			3.06	3.40	.55	.01								7.01 3.89
200-209			3.39	2.95	.41	.01								6.75 3.61
210-219			3.33	2.61	.37	.01								6.57 3.57
220-229			2.70	2.25	.34	.01								5.30 3.61
230-239			2.28	1.37	.16	.00								3.81 3.26
240-249			1.74	.80	.08									2.62 2.96
250-259			1.61	.62	.08									2.31 2.84
260-269			1.35	.42	.03									1.80 2.66
270-279			1.25	.26	.02									1.55 2.44
280-289			1.02	.18	.01									1.20 2.30
290-299			.85	.17	.02									1.04 2.39
300-309			.89	.22	.03									1.14 2.50
310-319			1.00	.42	.04	.01								1.46 2.91
320-329			1.18	.69	.12	.01								2.00 3.34
330-339			1.61	1.13	.38	.05								3.16 3.82
340-349			1.95	1.13	.40	.06								3.54 3.68
350-359			1.67	.70	.15	.03								2.55 3.17
CALM		7.87												7.87
TOT		7.87	50.44	33.03	8.08	.52	.00							100.00 3.37

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STATION RKO	RK0	20		MONTHLY	AUG								TOT	AVE SPD
CALM			1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56	
0-9			1.64	.97	.24	.01								2.86 3.33
10-19			1.35	.30	.21									2.36 3.27
20-29			1.64	.70	.21									2.55 3.02
30-39			1.83	.52	.09									2.43 2.50
40-49			1.26	.24	.02									1.52 2.18
50-59			.78	.13										.91 2.08
60-69			.64	.05										.70 1.94
70-79			.60	.03										.63 1.82
80-89			.57	.08	.01									.66 2.21
90-99			.63	.09	.01									.74 2.19
100-109			.21	.17	.03	.02								1.03 2.64
110-119			.88	.21	.05									1.13 2.59
120-129			.89	.23	.03	.00								1.16 2.63
130-139			.78	.18	.02									.98 2.56
140-149			.81	.37	.11									1.29 3.19
150-159			.83	.69	.37	.02								1.91 4.20
160-169			1.02	1.28	.38	.10								3.28 5.03
170-179			1.52	1.63	.37	.03	.00							4.21 4.74
180-189			1.81	1.52	.33	.01								3.66 3.73
190-199			2.55	1.66	.17	.01								4.39 3.34
200-209			2.69	2.22	.21									5.32 3.39
210-219			3.36	2.26	.23									5.88 3.31
220-229			3.10	1.89	.15	.00								5.15 3.21
230-239			2.18	1.17	.08	.00								3.43 3.02
240-249			2.09	.84	.07									3.00 2.80
250-259			1.90	.59	.04									2.53 2.66
260-269			1.85	.49	.03	.00								2.38 2.50
270-279			1.65	.27	.01									1.93 2.19
280-289			1.70	.20	.01									1.91 2.09
290-299			1.61	.21	.01									1.83 2.08
300-309			1.71	.20	.01									1.92 2.17
310-319			1.85	.31	.01									2.17 2.35
320-329			1.97	.64	.08	.02								2.71 2.77
330-339			2.28	.97	.28	.04								3.57 3.32
340-349			2.21	1.43	.51	.06								4.22 3.78
350-359			1.65	1.12	.32	.01								3.09 3.51
CALM		10.58												10.58
TOT		10.58	56.84	26.33	5.81	.39	.00							100.00 2.96

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION RKC 20	ANNUAL											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	
0-9		1.52	.99	.36	.15	.01	.00						3.03 4.13
10-19		1.37	.65	.44	.18	.02	.00						2.86 4.51
20-29		1.38	.79	.55	.15	.02	.00						2.90 4.51
30-39		1.30	.65	.43	.10	.01	.00	.00					2.50 4.17
40-49		1.02	.50	.24	.04	.01	.00						1.81 3.77
50-59		.74	.32	.15	.04	.00	.00						1.26 3.70
60-69		.62	.25	.10	.03	.00	.00						.99 3.52
70-79		.58	.21	.07	.03	.00	.00						.89 3.34
80-89		.65	.24	.07	.03	.01	.00						.99 3.38
90-99		.70	.26	.07	.02	.00	.00						1.07 3.32
100-109		.83	.31	.07	.02	.00	.00						1.25 3.23
110-119		1.06	.48	.11	.03	.01	.00	.00					1.69 3.39
120-129		.84	.39	.08	.02	.00	.00						1.34 3.33
130-139		.81	.34	.10	.02	.00	.00						1.28 3.38
140-149		.82	.43	.17	.03	.01	.00						1.45 3.68
150-159		.86	.58	.32	.04	.00	.00	.00					1.80 4.21
160-169		1.05	.87	.54	.08	.00	.00	.00	.00				2.55 4.57
170-179		1.35	1.16	.63	.10	.01	.00						3.25 4.51
180-189		1.51	1.11	.36	.05	.01	.00	.00					3.04 3.93
190-199		2.01	1.34	.30	.04	.03	.01	.00					3.74 3.79
200-209		2.38	1.55	.30	.05	.04	.02	.00	.00				4.34 3.77
210-219		2.37	1.66	.34	.05	.03	.01	.00					4.46 3.79
220-229		1.92	1.56	.35	.07	.00	.00						3.72 3.84
230-239		1.54	.98	.34	.07	.01							2.92 3.91
240-249		1.31	.75	.33	.08	.00	.00						2.47 4.03
250-259		1.20	.66	.33	.10	.01	.00						2.30 4.16
260-269		1.16	.70	.36	.12	.01	.00						2.35 4.37
270-279		1.14	.65	.39	.12	.01	.00						2.30 4.38
280-289		1.10	.59	.34	.10	.00	.00	.00					2.13 4.23
290-299		1.16	.66	.45	.12	.00	.00		.00				2.39 4.43
300-309		1.40	.84	.59	.19	.01	.00						3.03 4.66
310-319		1.66	1.02	.71	.27	.02	.00						3.68 4.80
320-329		2.04	1.18	.68	.29	.04	.00	.00					4.23 4.61
330-339		2.08	1.26	.56	.18	.03	.00	.00					4.11 4.21
340-349		1.78	1.07	.36	.11	.00	.00						3.34 3.84
350-359		1.56	.91	.28	.11	.01	.00						2.86 3.81
CALM	9.73												9.73
TOT	9.73	46.81	27.91	11.85	3.22	.40	.08	.01	.00				100.00 3.82

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION NRY 21	MONTHLY	SEP												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-9	1.15	.78	.20										2.13	3.65
10-19	.98	.61	.27		.03								1.89	3.98
20-29	1.08	.63	.17		.03								1.96	3.65
30-39	.68	.54	.07										1.28	3.53
40-49	1.12	.84	.30										2.26	3.71
50-59	1.12	.71	.27										2.10	3.59
60-69	1.15	.61	.27		.03								2.06	3.52
70-79	.68	.17	.07		.03								.95	3.06
80-89	.64	.20	.30										1.15	4.24
90-99	.51	.20	.07		.03								.81	3.68
100-109	.44	.03											.47	2.09
110-119	.27	.20											.47	3.20
120-129	.98	.07											1.05	2.32
130-139	.54	.41											.55	3.23
140-149	1.25	.61											1.86	2.91
150-159	.81	.41	.03										1.25	3.17
160-169	1.18	.91											2.10	3.20
170-179	1.05	.57	.03		.03								1.69	3.30
180-189	.74	.41											1.15	2.99
190-199	.91	1.12	.07										2.10	3.74
200-209	1.89	1.15	.24										3.28	3.51
210-219	2.30	2.53	.64		.03								5.51	4.10
220-229	3.41	3.41	1.49		.14								8.45	4.43
230-239	1.49	1.55	1.32		.03								4.39	5.18
240-249	.44	.81	1.55		.07								2.87	6.49
250-259	.64	.64	.95		.20								2.43	6.11
260-269	.54	.64	.71		.07								1.96	5.31
270-279	1.15	.66	.24		.03								2.10	3.72
280-289	.98	.89	.10		.03								1.99	3.62
290-299	1.08	.64	.10										1.82	3.25
300-309	1.96	.68	.03										2.67	2.65
310-319	1.12	.61	.20										2.13	3.60
320-329	1.35	1.05	.30										2.70	3.71
330-339	1.32	1.45	.41		.03								3.21	4.12
340-349	1.96	1.05	.41		.07								3.48	3.81
350-359	1.86	1.49	.84		.07								4.26	4.42
CALM	17.07												17.07	
TOT	17.07	40.76	29.54	11.66	.98								100.00	3.37
													2959	

STATION	NRV 21	MONTHLY	:0V										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=55	TOT	AVE SPD
0-9		1.22	.58	1.02	.37	.03							3.23	5.89
10-19		.65	.20	.14	.16								1.09	4.25
20-29		.71	.34	.34	.07	.03		.03					1.52	5.55
30-39		.54	.31	.44	.20								1.49	5.88
40-49		.68	.34	.51	.34								2.07	5.78
50-59		.71	.20	.48	.58	.03							2.00	7.03
60-69		.71	.20	.65	.34		.03						1.94	6.84
70-79		.51	.14	.44	.27								1.36	6.26
80-89		.61	.41	.61	.48								2.11	6.72
90-99		.41	.37	.61	.10	.03							1.53	6.27
100-109		.41	.48	.27									1.15	4.19
110-119		.24	.17	.17									.58	4.19
120-129		.44	.41	.14	.03								1.02	4.07
130-139		.48	.34	.03									.85	3.40
140-149		.65	.31	.10									1.26	3.14
150-159		.81	.34	.20									1.36	3.83
160-169		.54	.17	.10									.81	3.68
170-179		.37	.24	.17	.03								.81	4.81
180-189		.17	.37	.34		.03							.92	6.72
190-199		.17	.54	.37	.10								1.19	6.46
200-209		.41	1.29	.44	.20	.07							2.41	6.13
210-219		.85	2.78	.48	.03								4.14	4.76
220-229		1.02	3.57	.44	.10								5.13	4.71
230-239		.98	1.77	.81	.31								3.87	5.42
240-249		.61	2.51	2.00	.65								5.77	6.65
250-259		.65	2.34	3.53	1.12	.03							7.67	7.30
260-269		.52	1.63	3.90	.93								7.44	7.40
270-279		.95	.58	1.63	.75	.03							3.94	7.25
280-289		1.09	.58	.98	.61								3.26	6.54
290-299		.61	.71	.48	.24		.03						2.67	5.84
300-309		.65	.48	.31	.07	.03							1.53	5.25
310-319		1.02	.58	.27	.07								1.94	3.83
320-329		.71	.37	.24	.03								1.36	4.20
330-339		.75	.54	.44	.17	.03							1.94	5.34
340-349		1.26	.34	.88	.44								2.92	5.71
350-359		1.63	1.12	1.19	.20	.03							4.18	5.12
CALM	12.16												12.16	
TOT	12.16	25.53	27.62	25.16	9.00	.41	.07	.03					100.00	5.31

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION NRY 21	CALM	MONTHLY	DEC	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-9		1.25	.53	.16	.07										2.01	3.54
10-19		.84	.21	.02											1.06	2.62
20-29		.58	.30	.03											.91	2.90
30-39		.61	.14	.01	.02										.78	2.83
40-49		.58	.24	.07	.12										1.02	4.34
50-59		.56	.21	.10	.12	.03									1.01	5.03
60-69		.59	.21	.05	.07	.01									.93	3.70
70-79		.53	.13	.07	.06										.79	3.31
80-89		.70	.10	.05	.03	.01									.89	2.35
90-99		.57	.13	.04	.03	.01									.78	2.61
100-109		.27	.04	.04	.01	.01									.37	2.90
110-119		.11	.04	.02											.18	3.04
120-129		.10	.09	.04	.03										.26	4.94
130-139		.09	.12	.01											.22	3.52
140-149		.19	.06	.01											.26	2.72
150-159		.34	.26	.07	.01										.68	3.96
160-169		.42	.40	.19	.01										1.02	4.45
170-179		.22	.20	.19	.01										.62	5.00
180-189		.22	.25	.08	.01										.56	4.27
190-199		.29	.19	.12	.07										.67	5.13
200-209		.58	.29	.16	.26	.01									1.30	5.68
210-219		.54	.26	.29	.46	.22									1.57	7.05
220-229		1.00	.40	.50	.75	.05	.02								2.71	7.16
230-239		.73	.32	.42	.51	.07	.02								2.09	7.47
240-249		.92	.71	.37	.37	.16	.07			.02					2.52	6.83
250-259		.94	.53	.62	.49	.09	.03								2.68	6.78
260-269		.95	.82	.78	.69	.15	.01								3.40	7.23
270-279		1.12	.56	.83	.60	.12	.02								3.41	6.79
280-289		1.72	1.03	1.35	.76	.10	.01								5.03	6.25
290-299		2.02	1.64	1.43	.87	.10									6.07	6.09
300-309		3.25	2.15	1.26	.66	.08									7.37	4.93
310-319		2.49	1.71	.64	.15	.01									6.01	3.66
320-329		2.45	1.44	.25	.05	.01									4.20	3.41
330-339		2.45	1.13	.24	.03	.01									3.91	3.35
340-349		2.13	.84	.19	.06										3.17	3.21
350-359		2.02	.65	.19	.10										3.17	3.48
CALM	26.27														26.27	
TOT	26.27	35.31	18.73	10.92	7.49	1.31	.18	.02							100.00	3.79

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STATION	WRY 21	MONTHLY	JAN										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-5		.65	.51	.07	.06	.01							1.31	4.03
10-19		.53	.45	.08	.01								1.08	3.68
20-29		.60	.42	.08	.01								1.10	3.57
30-39		.58	.41	.06									1.05	3.34
40-49		.38	.29	.06	.02	.00							.75	3.77
50-59		.37	.21	.03	.02	.00							.63	3.50
60-69		.49	.29	.02	.00								.80	3.26
70-79		.41	.27	.02	.01								.76	3.61
80-89		.35	.19	.04	.01								.58	3.51
90-99		.19	.11	.02	.01	.01							.34	4.09
100-109		.13	.06	.03	.01	.00							.23	4.15
110-119		.16	.09	.10	.07								.41	5.89
120-129		.21	.07	.18	.21	.50	.00						.67	7.37
130-139		.31	.42	.34	.09	.60							1.17	5.63
140-149		.43	.90	.49	.02	.01							1.84	5.25
150-159		.45	.59	.23	.08	.60	.00						1.46	4.92
160-169		.43	.41	.26	.11	.01							1.22	5.45
170-179		.44	.70	.56	.03								1.73	5.39
180-189		.48	.75	.73	.10	.00							2.06	5.88
190-199		.61	1.28	1.32	.33								3.54	6.37
200-209		.85	2.39	1.28	.66	.02							5.10	6.34
210-219		.32	2.06	1.11	.43	.50							4.52	5.85
220-229		1.06	2.24	1.62	.27	.60	.00						5.22	5.69
230-239		1.18	1.37	.91	.33	.54							3.83	5.59
240-249		1.10	.91	1.02	.49	.10	.62						3.64	6.56
250-259		1.25	.90	1.41	1.01	.23	.04						4.64	7.87
260-269		1.05	.93	2.05	2.03	.52	.07	.00					6.62	9.34
270-279		.95	.84	2.38	3.15	.95	.23						8.50	10.66
280-289		.73	.57	1.98	.18	1.64	.27	.01					9.08	11.18
290-299		.72	.98	1.42	1.83	1.12	.37	.62					6.46	11.24
300-309		.94	1.07	.99	1.12	.61	.22	.61					4.95	9.53
310-319		1.01	.66	.38	.28	.10	.62						2.45	5.81
320-329		.82	.32	.13	.03	.00							1.31	3.62
330-339		.83	.37											

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STATION	NRY	21	MONTHLY	FEB												
	CALM	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE	SPD	
0-9		.55	.29	.20	.02								1.06	3.89		
10-19		.40	.19	.12									.71	3.54		
20-29		.38	.20	.08									.66	3.33		
30-39		.47	.19	.07	.01								.73	3.11		
40-49		.41	.24	.10	.01	.00							.77	3.79		
50-59		.52	.38	.17	.01								1.08	3.94		
60-69		.37	.58	.21	.01								1.18	4.57		
70-79		.23	.28	.14									.65	4.52		
80-89		.13	.14	.07									.35	4.34		
90-99		.12	.07	.02									.21	3.44		
100-109		.17	.09	.00		.00							.27	2.87		
110-119		.18	.15	.01	.00	.00							.35	3.36		
120-129		.32	.33	.04	.06	.02							.77	4.87		
130-139		.23	.54	.10	.24	.07	.01	.00					1.25	7.21		
140-149		.26	.76	.23	.27	.11	.07	.00					1.76	8.05		
150-159		.38	.66	.27	.27	.16	.03						1.76	7.61		
160-169		.35	.52	.41	.22	.05	.01						1.57	6.76		
170-179		.35	.44	.53	.16	.00							1.49	6.14		
180-189		.20	.49	.47	.11	.00							1.27	6.36		
190-199		.28	.75	.58	.16	.00							1.77	6.27		
200-209		.20	.98	.63	.16								1.97	6.29		
210-219		.26	.98	1.24	.25								2.74	6.82		
220-229		.35	1.16	1.07	.23	.01							2.82	6.39		
230-239		.42	1.15	.89	.43	.04	.00						2.94	6.84		
240-249		.45	1.10	.92	.57	.05	.01						3.09	7.27		
250-259		.47	1.22	.89	.63	.09	.01						3.31	7.37		
260-269		.40	1.34	1.06	.91	.16	.01						3.89	8.03		
270-279		.33	.79	1.65	1.57	.31	.02						4.67	9.63		
280-289		.52	1.04	2.16	2.75	.52	.04						7.03	10.08		
290-299		1.17	1.60	3.47	4.09	.60	.07						10.99	9.60		
300-309		2.59	2.89	3.76	2.97	.27	.02	.00					12.66	7.53		
310-319		2.80	2.87	2.29	.83	.62							8.80	5.60		
320-329		1.95	1.57	.86	.16								4.54	4.49		
330-339		1.23	.89	.53	.08								2.73	4.39		
340-349		.94	.69	.49	.07								2.19	4.50		
350-359		.61	.45	.28	.05								1.40	4.36		
CALM	4.63												4.63			
TOT	4.63	21.06	28.12	25.09	17.30	2.50	.29	.01					100.00	6.88		
													30415			

STATION	NRV	21	MONTHLY			MAR								TOT	AVE SPD
	CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<156		
0-9		1.68	1.18	.58	.09									3.53	4.06
10-19		1.57	.88	.40	.03									2.87	3.64
20-29		1.57	.84	.34	.06									2.80	3.64
30-39		1.64	.95	.25	.03	.00								2.87	3.40
40-49		1.73	1.10	.33	.01		.00							3.18	3.56
50-59		1.77	1.35	.47	.02									3.61	3.98
60-69		1.36	1.44	.47	.01									3.28	4.16
70-79		.95	1.51	.59	.05									3.10	4.79
80-89		.52	1.06	.89	.10									2.57	5.68
90-99		.44	.49	.84	.11									1.85	6.17
100-109		.25	.20	.49	.02									.96	6.09
110-119		.22	.09	.09	.01									.40	4.05
120-129		.20	.23	.04	.00									.47	4.00
130-139		.16	.42	.05	.00									.64	4.42
140-149		.28	.39	.08										.74	4.11
150-159		.33	.59	.17	.00									1.09	4.53
160-169		.33	.61	.23	.03	.01								1.21	3.05
170-179		.26	.41	.38	.15	.00								1.21	6.37
180-189		.30	.78	.78	.39	.02								2.27	7.22
190-199		.44	.80	.77	.47	.07	.00							2.55	7.26
200-209		.45	.61	.61	.19	.12								1.98	6.67
210-219		.48	.50	.50	.20	.03								1.70	6.19
220-229		.44	.55	.83	.23									2.05	6.48
230-239		.50	.47	.68	.20	.03								1.90	6.43
240-249		.52	.40	.51	.30	.07								1.80	6.89
250-259		.54	.39	.40	.56	.07	.00							1.97	7.58
260-269		.70	.38	.47	.93	.10								2.63	8.20
270-279		.73	.32	.43	.90	.04								2.44	7.82
280-289		.72	.45	.47	.49	.01								2.14	6.39
290-299		1.05	.80	.66	.53	.00								3.25	5.08
300-309		1.54	1.80	1.62	.38	.03	.01							5.38	5.64
310-319		2.15	1.30	1.07	.19	.02	.00							4.74	4.56
320-329		1.80	.72	.7											

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STATION	NRY	21	MONTHLY										APP			
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	70Y	Ave SPD		
0-9		.77	.50	.12									1.39	3.44		
10-19		.68	.36	.15	.04								1.24	3.77		
20-29		.75	.40	.28	.05								1.48	4.24		
30-39		.57	.77	.55	.17								2.01	5.45		
40-49		.81	1.39	1.39	.54	.01							4.15	6.48		
50-59		1.25	1.87	2.72	1.58	.15	.03						7.60	7.66		
60-69		1.53	1.74	3.43	2.83	.36	.04						9.93	8.55		
70-79		.91	1.06	2.64	1.68	.13							6.62	8.44		
80-89		.40	.50	1.13	.93								2.36	8.36		
90-99		.21	.31	.36	.43								1.30	8.03		
100-109		.15	.08	.05	.01								.30	4.22		
110-115		.12	.01										.13	2.43		
120-129		.30	.06	.01									.37	2.88		
130-139		.36	.13										.49	2.86		
140-149		.71	.23										.94	3.00		
150-159		.80	.30										1.10	2.83		
160-169		.30	.35										.64	3.46		
170-179		.09	.13										.22	3.53		
180-189		.01	.01										.03	3.55		
190-199																
200-209			.01										.01	6.40		
210-219		.04											.04	2.07		
220-229		.04		.03	.04								.10	7.83		
230-239				.49	.45								.34	10.45		
240-249			.44	1.21	1.79	.14	.04						3.62	10.22		
250-259		.01	.86	1.28	1.62	.49	.01						4.28	10.69		
260-269		.01	.55	.88	2.13	.63	.12						4.32	12.38		
270-279		.01	.34	1.01	2.58	.93	.54	.04					5.44	13.84		
280-289		.09	.40	2.31	1.97	.73	.49	.02					6.03	12.25		
290-299		.21	.83	3.32	.62	.15	.10	.01					5.05	8.86		
300-309		.58	1.69	2.07	.13	.03	.04						4.54	6.47		
310-319		1.06	1.84	.57									3.47	4.39		
320-329		1.21	1.69	.17									3.07	3.97		
330-339		.98	1.34	.15									2.47	3.91		
340-349		.97	.88	.04									1.88	3.45		
350-359		.84	.62	.14									1.60	3.47		
CALM	10.24												10.24			
TOT	10.24	16.76	21.49	26.50	19.74	3.76	1.40	.09					100.00	7.37		

STATION	NRY	21	MONTHLY	MAY								TOT	AVE SPD	
CALM			1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	
0-9			1.06	.22	.01									1.29 2.37
10-19			.99	.27	.05	.00								1.29 2.63
20-29			1.21	.43	.08	.00								1.72 2.89
30-39			.97	.69	.12	.01								1.80 3.37
40-49			1.15	1.00	.31	.03								2.49 3.94
50-59			1.06	1.30	.61	.17	.00							3.15 4.93
60-69			1.10	1.53	.82	.74	.05							4.25 6.33
70-79			.69	1.41	1.09	1.18	.11							4.48 7.83
80-89			.52	1.35	.90	.67	.05							3.49 7.12
90-99			.53	1.02	.80	.20	.01							2.56 6.11
100-109			.40	.89	.49	.06								1.84 5.39
110-119			.32	.73	.40	.03								1.47 5.29
120-129			.42	.76	.43	.05								1.66 5.20
130-139			.23	.86	.48	.06								1.74 5.46
140-149			.55	.95	.44	.05								2.00 4.95
150-159			.72	1.47	.78	.03								3.04 5.23
160-169			.94	1.97	.92	.11								3.93 5.13
170-179			.69	1.25	.87	.07								2.68 5.21
180-189			.59	.54	.74	.05								1.72 6.00
190-199			.40	.66	1.10	.54	.01							2.72 7.49
200-209			.30	.70	1.11	.85	.06							3.03 8.41
210-219			.42	1.42	1.16	1.46	.15	.02						4.65 8.59
220-229			.81	1.43	1.56	1.89	.31	.05						6.12 8.80
230-239			.68	.81	1.06	1.65	.38	.04						4.62 9.55
240-249			.55	.62	.88	1.79	.36	.06						4.28 10.20
250-259			.47	.58	.82	1.46	.25	.05	.00					3.61 9.93
260-269			.56	.81	1.09	1.11	.23	.02						3.82 8.76
270-279			.68	.50	1.00	.75	.20							2.97 7.62
280-289			.59	.58	.82	.50	.00							1.90 7.39
290-299			.45	.41	.49	.18								1.53 6.01
300-309			.54	.22	.20	.05								1.02 4.11
310-319			.13	.16	.10	.02								.93 3.20
320-329			.66	.11	.03	.00								.81 2.41
330-339			.63	.16	.09									1.00 2.20
340-349			.97	.11	.02									1.11 2.01
350-353			1.21	.15	.01									1.40 2.23
CALM			7.88											7.88
TOT			7.88	24.50	28.00	21.10	15.80	2.63	.25	.00				100.00 6.25

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION NRY 21	MONTHLY	JUN											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.75	.14	.03	.00								.92	2.35
10-19		.57	.12	.01									.69	2.34
20-29		.64	.13	.00									.77	2.27
30-39		.71	.16	.01									.89	2.52
40-49		.91	.33	.05	.01								1.29	2.88
50-59		1.03	.60	.11	.01								1.76	3.36
60-69		1.07	.88	.26	.01								2.22	3.86
70-79		.93	.89	.43	.03								2.28	4.38
80-89		.70	.99	.56	.03								2.38	5.03
90-99		.43	.55	.63	.07								1.72	5.54
100-109		.34	.47	.55	.07								1.43	5.84
110-119		.26	.45	.69	.12								1.53	6.51
120-129		.41	.52	.86	.23	.00							2.01	6.57
130-139		.39	.70	.82	.17								2.08	6.28
140-149		.62	1.04	.68	.20	.01							2.55	5.73
150-159		.95	1.53	.57	.08								3.13	4.74
160-169		1.25	2.04	1.00	.10								4.39	5.02
170-179		1.11	1.66	1.20	.14								4.11	5.33
180-189		.79	1.36	.82	.18								3.15	5.46
190-199		.98	1.63	1.00	.19	.00							3.79	5.39
200-209		1.46	1.90	1.11	.24	.00							4.71	5.17
210-219		2.11	2.27	1.26	.29	.00							5.93	4.93
220-229		2.09	2.15	1.22	.37								5.83	5.00
230-239		1.87	1.66	.93	.37	.01							4.83	4.98
240-249		1.46	1.00	.86	.40	.00							3.71	5.36
250-259		1.09	.69	.58	.28	.01							2.65	5.26
260-269		.81	.58	.37	.24	.01							2.01	5.27
270-279		.63	.47	.45	.36	.02							1.93	6.26
280-289		.53	.41	.66	.60	.04							2.24	7.50
290-299		.44	.60	.86	.58	.02	.00						2.50	7.51
300-309		.61	.83	.81	.38	.01							2.84	6.41
310-319		.83	.79	.52	.14	.01							2.28	4.96
320-329		.88	.62	.16	.04	.00							1.70	3.77
330-339		.76	.46	.08	.01								1.30	3.25
340-349		.89	.34	.03	.00								1.26	2.71
350-359		.77	.18	.03									.98	2.31
CALM	10.38												10.38	
TOT	10.38	32.11	31.14	20.30	5.92	.14	.00						100.00	4.71

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STATION	HRZ	21	MONTHLY		JUL												TOT	AVE SPD
	CALM	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56						
0-9		.58	.04										.62	1.57				
10-19		.46	.03	.01									.49	1.62				
20-29		.46	.02	.00									.49	1.53				
30-39		.49	.01	.01									.51	1.58				
40-49		.61	.06										.67	1.85				
50-59		.50	.09	.01									.68	2.08				
60-69		.75	.13	.02									.90	2.29				
70-79		.48	.25	.06									.78	3.16				
80-89		.53	.38	.08	.00								1.00	3.58				
90-99		.40	.33	.19									.91	4.17				
100-109		.32	.31	.15	.00								.78	4.23				
110-119		.26	.28	.12									.66	4.75				
120-129		.24	.31	.16	.00								.71	4.66				
130-139		.42	.56	.22	.01								1.11	4.55				
140-149		.70	1.04	.37	.07								2.11	4.77				
150-159		1.18	2.01	.49	.05								3.73	4.50				
160-169		1.55	3.03	1.21	.10								5.89	4.53				
170-179		1.26	3.14	1.34	.09			.00					5.93	5.21				
180-189		.97	2.45	1.12	.10								4.53	5.27				
190-199		1.00	2.26	1.33	.20	.01							4.80	5.55				
200-209		1.43	2.00	1.24	.41	.00							5.07	5.50				
210-219		1.93	2.06	.93	.39	.01							5.32	5.04				
220-229		2.40	1.94	1.13	.23	.00							5.69	4.65				
230-239		2.38	1.84	.87	.12	.00	.00						5.22	4.31				
240-249		2.21	1.07	.42	.08		.00						3.78	3.72				
250-259		1.92	.66	.22	.05		.00						2.85	3.31				
260-269		1.74	.67	.19	.01								2.61	3.14				
270-279		1.50	.63	.28	.08								2.48	3.65				
280-289		1.31	.78	.50	.20	.00							2.80	4.58				
290-299		1.05	.89	.55	.26	.00							2.75	4.00				
300-309		1.36	.76	.55	.15								2.83	4.39				
310-319		1.19	.40	.15	.03								1.77	3.10				
320-329		.79	.19	.07	.00								1.05	2.50				
330-339		.74	.10	.01									.85	1.99				
340-349		.61	.08															

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[illegible]

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION NRY 21	ANNUAL											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	
0-9		.85	.35	.13	.03	.00							1.36
10-19		.59	.26	.09	.01	.00							1.04
20-29		.72	.29	.08	.01	.00			.00				1.11
30-39		.72	.33	.09	.01	.00							1.15
40-49		.82	.45	.16	.04	.00	.00						1.47
50-59		.88	.61	.27	.10	.01	.00						1.87
60-69		.90	.78	.35	.13	.02	.00						2.26
70-79		.66	.74	.41	.20	.02							2.03
80-89		.50	.65	.41	.12	.01							1.69
90-99		.37	.41	.34	.06	.00							1.19
100-109		.28	.30	.23	.02	.00							.84
110-119		.23	.26	.21	.03	.00							.72
120-129		.30	.33	.25	.08	.00	.00						.97
130-139		.33	.51	.29	.09	.01	.00	.00					1.23
140-149		.50	.75	.34	.09	.02	.01	.00					1.72
150-159		.73	1.04	.36	.08	.02	.00						2.23
160-169		.85	1.35	.60	.09	.01	.00						2.90
170-179		.69	1.20	.72	.09	.00		.00					2.71
180-189		.32	1.00	.65	.12	.00							2.29
190-199		.65	1.19	.87	.24	.01	.00						2.96
200-209		.88	1.45	.93	.33	.02							3.61
210-219		1.18	1.63	.95	.39	.02	.00						4.21
220-229		1.40	1.56	1.11	.44	.04	.01						4.57
230-239		1.32	1.19	.82	.44	.06	.01	.00					3.83
240-249		1.22	.88	.75	.53	.09	.02						3.47
250-259		1.09	.77	.72	.58	.09	.01	.00					3.27
260-269		1.34	.81	.81	.75	.15	.02	.00					3.58
270-279		.97	.61	.92	.97	.21	.05	.00					3.73
280-289		.88	.69	1.05	1.11	.23	.05	.00					4.02
290-299		.95	.90	1.26	1.07	.23	.06	.00					4.47
300-309		1.42	1.29	1.22	.72	.12	.03	.00					4.80
310-319		1.52	1.08	.67	.21	.02	.00						3.51
320-329		1.22	.68	.20	.06	.00							2.25
330-339		1.09	.55	.23	.04	.00							1.91
340-349		1.06	.46	.27	.04	.00							1.77
350-359		.55	.40	.18	.03	.00							1.56
CALM	11.69												11.69
TOT	11.69	30.40	27.77	19.03	9.42	1.40	.23	.01					100.00
													5.18

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION WRY 22	MONTHLY	SEP															
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD			
0-9		.96	.54	.62	.09								2.21	4.83			
10-19		.79	.79	1.42	.57	.02							3.59	6.77			
20-29		.75	.83	1.79	1.08	.03							4.52	7.74			
30-39		.97	.86	1.00	.87	.02							3.72	6.94			
40-49		.88	.74	.60	.61								2.82	6.38			
50-59		.79	1.08	.57	.63	.02							3.30	6.65			
60-69		.85	1.28	1.13	.75	.04							4.05	6.78			
70-79		.41	.72	.70	.32								2.15	6.56			
80-89		.23	.50	.61	.07								1.40	6.24			
90-99		.17	.40	.53	.01								1.11	5.89			
100-109		.12	.20	.47									.79	6.27			
110-119		.18	.05	.18									.41	4.51			
120-129		.12	.01	.03									.16	2.95			
130-139		.19	.02										.20	1.45			
140-149		.14											.14	1.18			
150-159		.19	.03	.02									.25	2.62			
160-169		.53	.43	.49	.03								1.49	5.05			
170-179		1.07	1.85	1.20	.41	.02							4.56	5.85			
180-189		1.56	2.48	1.51	.72	.04							6.31	5.91			
190-199		1.52	2.03	1.36	.77	.03							5.71	5.98			
200-209		1.24	1.73	1.09	.25	.01							4.29	5.36			
210-219		1.39	1.51	.78	.07								3.74	4.62			
220-229		1.35	1.51	.36	.02								3.23	4.07			
230-239		1.34	.91	.25	.02								2.52	3.68			
240-249		1.24	.42	.03	.01								1.70	2.82			
250-259		1.03	.34	.01	.01								1.38	2.46			
260-269		.97	.23	.06	.02								1.28	2.77			
270-279		1.12	.25	.08	.02								1.47	2.58			
280-289		1.60	.31	.11	.02								2.04	2.50			
290-299		1.58	.22	.09	.04	.01							1.94	2.56			
300-309		1.82	.56	.49	.13	.01							3.01	3.86			
310-319		2.00	.84	.97	.22								4.12	4.58			
320-329		2.12	.83	.79	.21								3.95	4.35			
330-339		1.75	.40	.63	.09								2.67	3.93			
340-349		1.51	.49	.32	.04								2.36	3.49			
350-359		1.24	.46	.22	.02								1.95	3.39			
CALM	9.24												9.24				
TOT	9.24	35.76	25.91	20.52	8.31	.26							100.00	4.88			
													12225				

STATION NR/ 22	MONTHLY	JUL											TOT	AVE SPD
CALM	1-3	4-6	7-19	11-15	17-21	22-27	28-33	34-40	41-47	48-55	>56			
0-9	.71	.39	.34	.08	.00							1.53	4.63	
10-19	.55	.30	.25	.04								1.13	4.30	
20-29	.50	.27	.22	.02								1.01	4.13	
30-39	.46	.19	.25	.03								.93	4.40	
40-49	.50	.31	.25	.04								1.09	4.46	
50-59	.58	.43	.25	.16								1.53	5.32	
60-69	.63	.31	.25	.30	.01							1.51	5.82	
70-79	.39	.99	.17	.33	.00							2.49	4.92	
80-89	1.08	.48	.19	.19	.02							1.97	4.66	
90-99	.92	.23	.19	.10	.00							1.44	3.92	
100-109	.37	.19	.25	.01	.00							.82	4.39	
110-119	.39	.23	.19	.02								.86	4.19	
120-129	.49	.32	.09	.00								.90	3.33	
130-139	.41	.41	.05	.00								.88	3.59	
140-149	.46	.42	.06	.01								.97	3.60	
150-159	.46	.52	.13									1.11	3.82	
160-169	.62	.39	.25	.01								1.28	4.09	
170-179	.94	.87	.46	.66								2.33	4.57	
180-189	1.11	1.49	.77	.22	.00							3.59	5.15	
190-199	1.14	1.13	.66	.37	.00							3.50	5.53	
200-209	1.14	1.30	1.07	.23	.00							3.74	5.40	
210-219	1.18	1.09	1.14	.16	.00							3.57	5.31	
220-229	1.41	1.32	.90	.69								3.72	4.77	
230-239	1.44	1.35	.67	.08								3.55	4.49	
240-249	1.83	1.52	.74	.12								4.11	4.26	
250-259	1.35	.97	.42	.08								3.16	3.90	
260-269	1.64	1.02	.52	.11								3.28	4.17	
270-279	1.66	.93	.56	.35								3.59	4.76	
280-289	1.75	.85	.90	.32								3.84	4.91	
290-299	1.62	1.29	.98	.27	.01							4.17	4.96	
300-309	2.05	1.58	.95	.50	.04	.00						4.94	4.90	
310-319	1.33	1.36	1.05	.25	.03							4.02	5.32	
320-329	1.38	1.26	1.27	.29	.02							4.22	5.45	
330-339	.76	.78	1.01	.25	.02	.00						2.83	6.02	
340-349	.73	.67	.74	.26	.02							2.41	5.90	
350-359	.62	.48	.47	.12	.01							1.71	5.29	
CALM	12.27											12.27		
TOT	12.27	35.51	27.63	19.09	5.29	.21	.01					100.00	4.43	

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STATION	MAY 22	#OFT-HLY	NOV										TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
0-9	.49	.43	.05	.01								.97	3.55	
10-19	.39	.39	.05	.01								.84	3.73	
20-29	.27	.42	.06	.03	.04	.00						.88	5.03	
30-39	.31	.42	.06	.05	.11	.03						.95	6.70	
40-49	.40	.44	.06	.06	.24	.06	.60					1.26	8.14	
50-59	.36	.29	.05	.14	.50	.18	.01					1.53	12.24	
60-69	.28	.10	.07	.29	.19	.04						.95	10.23	
70-79	.37	.09	.06	.26	.05	.20						.84	7.48	
80-89	.44	.12	.18	.31	.03	.00						1.08	6.80	
90-99	.47	.25	.37	.31	.02							1.42	6.57	
100-109	.38	.37	.61	.73	.02							2.13	8.37	
110-119	.37	.43	.49	.18	.01							1.48	6.31	
120-129	.64	.65	.29	.07	.03							1.48	5.09	
130-139	.65	.78	.11	.04	.01							1.60	4.11	
140-149	.72	.77	.07	.07	.04	.01						1.68	4.51	
150-159	.71	.88	.07	.17	.15	.03						2.00	5.94	
160-169	.74	.54	.06	.24	.07	.01						1.66	5.69	
170-179	.74	.72	.16	.08	.00							1.71	4.19	
180-189	.69	.73	.22	.10	.00							1.77	4.71	
190-199	1.01	1.27	.76	.31	.01							3.36	5.48	
200-209	1.39	1.74	1.00	.41	.02							4.56	5.45	
210-219	1.61	1.87	.97	.64	.04							5.03	5.50	
220-229	1.36	2.44	.71	.44	.05							5.00	5.32	
230-239	1.31	2.13	.57	.44	.05							4.49	5.34	
240-249	2.16	3.00	1.71	.97	.04	.01						7.89	5.84	
250-259	1.18	1.37	.32	.16	.01							3.04	4.52	
260-269	1.31	1.49	.29	.07	.01							3.17	4.15	
270-279	1.33	1.82	.64	.16	.01							3.95	4.70	
280-289	1.45	1.54	.67	.18	.00							3.84	4.60	
290-299	1.61	.86	.54	.25	.02							3.27	4.68	
300-309	1.45	1.26	.63	.22	.05	.02						3.64	4.91	
310-319	1.35	1.42	.64	.15	.00							3.77	4.76	
320-329	1.46	2.13	.91	.09								4.59	4.62	
330-339	1.39	1.91	.60	.02	.00							3.92	4.31	
340-349	.85	.97	.17	.01								2.00	3.76	
350-359	.53	.67	.07									1.27	3.71	
CALC	6.92											6.92		
TOT	6.92	32.12	36.53	14.45	7.66	1.82	.39	.01				100.00	5.14	

STATION	ARY 22	MONTHLY	DEC										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60	TOT	AVE SPD
0-9		.60	2.27	.50	.01								3.38	4.93
10-19		.48	1.30	.66	.02								3.06	5.13
20-29		.38	1.36	.68	.02								2.44	5.42
30-39		.27	.71	.75	.06								1.79	6.13
40-49		.28	.46	.69	.06								1.49	6.32
50-59		.10	.24	.62	.09								1.13	6.89
60-69		.12	.10	.20	.16	.01							.58	7.80
70-79		.19	.03	.06	.14	.06							.48	8.24
80-89		.20	.02		.05	.05	.00						.32	6.69
90-99		.12	.01	.00	.00								.13	2.29
100-109		.07	.00	.01									.08	1.98
110-119		.06	.00										.06	1.52
120-129		.12	.00										.12	1.79
130-139		.10	.00										.10	1.73
140-149		.12	.01		.00								.13	2.17
150-159		.27	.06	.03									.37	2.89
160-169		.45	.19	.02									.66	2.84
170-179		.71	.50	.16									1.37	3.65
180-189		.72	.64	.16									1.53	3.75
190-199		1.09	.67	.21	.01								1.98	3.60
200-209		1.59	.71	.46	.02								2.79	3.79
210-219		1.53	1.09	.57	.11								3.70	4.04
220-229		1.70	.87	.56	.12								3.26	4.25
230-239		1.19	.85	.67	.21	.01	.00						2.94	5.09
240-249		.96	.75	.67	.29	.02							2.68	5.61
250-259		.94	.72	.65	.35	.04	.01						2.71	5.90
260-269		1.04	1.03	.98	.62	.03	.00						3.71	6.35
270-279		1.30	1.12	1.62	.67	.02							5.52	6.63
280-289		1.73	1.40	1.53	.76	.04							5.56	6.07
290-299		1.59	1.52	1.08	.81	.14							5.14	6.37
300-309		1.52	1.32	1.42	.85	.08	.02						5.21	6.49
310-319		1.80	1.28	1.04	.60	.02							4.75	5.67
320-329		2.55	1.79	.95	.22	.01							5.51	4.47
330-339		2.34	2.40	.66	.18								5.58	4.37
340-349		1.32												

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STATION	ERY 22	MONTHLY	JAN										TOT	AVE SPO
	CALC	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56		
0-9		.19	.41	.43	.05	.00							1.10	6.10
10-19		.20	.44	.65	.11								1.40	6.54
20-29		.19	.47	.87	.16								1.69	7.12
30-39		.15	.33	.90	.24								1.70	7.68
40-49		.10	.22	.60	.13	.00							1.05	7.40
50-59		.17	.18	.15	.01								.52	5.02
60-69		.20	.26	.07	.01								.53	4.14
70-79		.27	.17	.07									.50	3.73
80-89		.32	.21	.05									.58	3.34
90-99		.31	.16										.47	2.84
100-109		.20	.06										.26	2.34
110-119		.28	.01										.29	1.94
120-129		.31	.01	.00									.32	1.93
130-139		.33	.02	.03									.38	2.50
140-149		.44	.07	.19	.02								.71	4.18
150-159		.53	.27	.55	.07								1.41	5.48
160-169		.52	.49	.37	.04	.01							1.44	5.00
170-179		.66	.57	.21	.12	.01							1.56	4.76
180-189		.60	.87	.38	.04								2.09	4.55
190-199		1.37	1.48	.54	.06								3.55	4.46
200-209		1.91	1.70	1.06	.09								4.76	4.62
210-219		2.91	1.93	1.04	.16								6.05	4.27
220-229		3.06	2.16	.60	.06								5.89	3.80
230-239		2.55	2.28	.49	.02								5.33	3.83
240-249		1.56	1.85	.47	.03	.00							3.90	4.16
250-259		1.32	1.53	.66	.07								3.59	4.49
260-269		1.06	1.81	1.21	.17		.00						4.26	5.37
270-279		1.37	2.60	2.16	.47	.01							6.61	5.91
280-289		1.66	2.90	3.46	1.13	.05	.00						9.21	6.65
290-299		.99	1.16	2.99	2.62	.34	.02						8.15	9.02
300-309		.84	.91	1.39	1.77	.50	.07	.01					5.47	9.50
310-319		.93	.81	.84	1.14	.45	.10	.01					4.28	9.13
320-329		.74	.66	.40	.45	.23	.06	.00					2.55	7.89
330-339		.54	.33	.10	.13	.04	.01						1.15	5.15
340-349		.41	.29	.11	.08	.01	.01						.90	4.76
350-359		.27	.28	.22	.05								.80	
CALC	5.52													
TOT	5.52	29.66	29.89	23.46	9.53	1.65	.27	.02					100.00	5.71

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	APR 22	MONTHLY			FEB										
	CALC	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD	
0-9		.58	.59	.53	.95	.20	.01						2.87	8.68	
10-19		.53	.55	.22	.81	.15	.00						2.26	8.57	
20-29		.44	.45	.12	.41	.09	.01						1.52	7.38	
30-39		.30	.37	.09	.12	.05	.00						.94	6.14	
40-49		.31	.29	.14	.03	.01							.77	4.75	
50-59		.42	.27	.20	.03								.92	4.72	
60-69		.30	.36	.23	.06								.95	5.36	
70-79		.17	.34	.23	.03								.77	5.47	
80-89		.19	.52	.07	.00								.78	4.36	
90-99		.11	.23	.01									.36	3.98	
100-109		.16	.11	.01									.28	3.27	
110-119		.20	.07	.30									.27	2.67	
120-129		.27	.09	.00									.36	2.55	
130-139		.45	.12	.01		.00							.59	2.65	
140-149		.42	.09	.01	.02	.03							.55	3.03	
150-159		.68	.28	.07	.18	.05	.01						1.25	5.39	
160-169		.82	1.23	.20	.44	.20	.06						2.95	6.83	
170-179		.59	.46	.27	.36	.18	.04						2.00	7.57	
180-189		.40	.43	.23	.07	.01	.01						1.21	5.41	
190-199		.48	.63	.25	.02	.00							1.38	4.66	
200-209		.52	.78	.27	.01								1.50	4.43	
210-219		.83	1.22	.50	.02								2.58	4.60	
220-229		.74	1.05	.35	.01								2.16	4.48	
230-239		.79	1.17	.31	.02								2.29	4.40	
240-249		.73	1.22	.32	.05								2.32	4.55	
250-259		.78	1.25	.37	.05								2.45	4.48	
260-269		1.10	1.54	.50	.04								3.18	4.40	
270-279		1.39	1.70	.80	.10	.00							3.79	4.68	
280-289		.35	2.35	1.16	.08								4.93	4.96	
290-299		1.03	2.26	2.31	.60	.01							6.19	6.41	
300-309		.96	1.61	3.27	2.09	.06							7.99	8.13	
310-319		.53	1.55	3.83	2.93	.09							10.06	8.16	
320-329		2.01	2.70	3.58	1.87	.04							10.30	7.02	
330-339		1.50	2.40	2.11	.81	.03							6.94	6.25	
340-349		1.14	1.75	1.03	.53	.03	.00						4.55	6.05	
350-359		.61	1.04	.73	.79	.07	.00						3.24	7.39	
CALC	2.26												2.26		
TOT	2.26	25.11	33.10	24.54	13.56	1.27	.12						100.00	6.30	
													30625		

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVEPAGES)

STATION WRY 22	MONTHLY	MAR												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.69	.53	.72	1.33	.13	.01						3.42	8.85
10-19		.72	.62	.74	1.38	.21							3.67	8.90
20-29		.68	1.06	.93	1.27	.25	.01						4.23	8.56
30-39		.61	1.23	1.29	.60	.20	.01						4.15	7.80
40-49		.74	.94	1.20	.30	.05	.00						3.24	3.43
50-59		.83	.90	1.12	.12	.00							2.97	5.65
60-69		.85	.77	.90	.10								2.62	5.32
70-79		.83	.69	.56	.02								2.10	4.69
80-89		1.03	1.17	.37	.01								2.58	4.11
90-99		.62	1.15	.52	.01								2.31	4.86
100-109		.44	.75	.51	.90								1.70	5.17
110-119		.32	.56	.23									1.12	4.72
120-129		.36	.37	.17									.90	4.24
130-139		.24	.13	.04									.51	3.04
140-149		.32	.12										.44	2.59
150-159		.39	.26										.65	2.89
160-169		.57	.54	.05									1.16	3.43
170-179		.45	.57	.10	.02								1.14	3.96
180-189		.43	.54	.21	.08								1.26	4.78
190-199		.62	.71	.43	.15								1.90	5.23
200-209		.75	.91	.40	.19								2.25	5.13
210-219		.81	.97	.28	.13								2.20	4.66
220-229		.68	.49	.22	.06	.00							1.46	4.30
230-239		.59	.69	.35	.04								1.68	4.71
240-249		.65	.83	.58	.07								2.13	5.15
250-259		.70	1.01	.77	.13								2.61	5.43
260-269		1.02	.94	.79	.12								2.88	5.10
270-279		1.09	1.16	1.01	.10								3.37	5.11
280-289		1.41	1.38	1.06	.08	.00							3.93	4.80
290-299		1.69	1.08	1.01	.22	.00							4.01	4.84
300-309		1.78	1.00	1.05	.47	.07							4.36	5.54
310-319		1.80	1.17	.96	.45	.08							4.45	5.49
320-329		2.17	1.19	1.20	.36	.04	.01						4.98	5.17
330-339		2.22	1.08	.94	.18	.04							4.46	4.60
340-349		1.46	.61	.42	.28	.04	.00						2.82	4.94
350-359		.90	.39	.48	.85	.09							2.72	7.66
CALM	7.66												7.66	
TOT	7.66	31.56	28.51	21.60	9.33	1.23	.05						100.00	5.36

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STATION WRY 22	MONTHLY	APR											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.61	.64	.45	.01								1.71	4.85	
10-19	.59	.42	.32	.03								1.35	4.69	
20-29	.55	.45	.32	.06								1.39	4.86	
30-39	.43	.65	.34	.11								1.53	5.36	
40-49	.41	.55	.60	.26	.05	.00						1.86	6.74	
50-59	.55	.57	.90	.48	.09	.00						2.49	7.34	
60-69	.72	.44	1.26	.78	.05							3.25	7.69	
70-79	.75	.62	.97	1.05	.17							3.57	8.41	
80-89	.43	.62	1.08	.64	.21	.02						3.00	8.62	
90-99	.43	.37	1.13	.65	.10							2.68	8.40	
100-109	.22	.24	.55	.52	.07							1.59	9.02	
110-119	.13	.23	.30	.11	.03							.78	7.12	
120-129	.13	.32	.16	.02								.64	5.29	
130-139	.18	.22	.08	.01								.49	4.38	
140-149	.25	.14	.13									.52	4.09	
150-159	.58	.32	.21	.01								1.12	4.05	
160-159	.64	.38	.20	.02								1.24	4.09	
170-179	.53	.39	.06	.00								.98	3.56	
180-159	.32	.21	.10	.02								.65	4.24	
190-199	.44	.33	.29	.11								1.17	5.31	
200-209	1.01	1.02	.87	.26								3.16	5.50	
210-219	1.68	1.99	1.44	.32								5.44	5.33	
220-229	1.46	1.24	1.35	.15	.00							4.21	5.28	
230-239	.91	1.13	1.20	.17								3.41	5.69	
240-249	.60	1.24	1.37	.24	.01							3.57	6.21	
250-259	.70	1.74	1.29	.38	.03							4.14	6.31	
260-259	.75	1.25	1.24	.71	.06	.00						4.72	6.75	
270-279	.84	1.48	1.74	1.34	.10							5.51	7.71	
280-289	.86	1.13	2.11	1.21	.04							5.35	7.68	
290-299	.81	.93	1.48	.95	.08							4.24	7.52	
300-309	.74	.96	1.13	.68	.15	.02						3.73	7.54	
310-319	.64	1.05	1.02	.24	.06	.91						3.00	6.26	
320-329	.60	1.41	1.01	.27	.00							3.31	6.06	
330-339	.71	1.36	.97	.30								3.34	5.95	
340-349	.54	.97	.64	.15								2.30	5.66	
350-359	.54	.72	.61	.03								1.89	5.29	
CALM	6.65											6.65		
TOT	6.65	22.27	28.45	28.97	12.30	1.30	.06					100.00	6.21	

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION WRY 22	CALM	MONTHLY	MAY	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60	TOT	AVE SPD
C-3		.04													.04	1.10
10-19		.04													.04	1.45
20-29		.02													.02	1.00
30-39		.07	.02												.09	2.23
40-49		.69													.09	2.05
50-59		.54	.25												.81	2.93
60-69		1.02	.43												1.50	3.07
70-79		.78	.51			.09	.09								1.45	4.14
80-89		.22	1.35			.67	.24								2.48	6.25
90-99		.15	1.70			1.15	.46								3.45	6.92
100-109		.02	1.04			.70	.48								2.24	7.60
110-119			.24			.26	.11								.61	8.01
120-129			.04				.02								.07	7.40
130-139			.02			.02									.04	6.59
140-149																
150-159																
160-169		.02	.02			.02									.07	4.57
170-179		.20	.11			.04									.35	3.15
180-189		.24	.13			.07									.44	3.51
190-199		.28	.22			.07									.57	3.57
200-209		1.33	.57			.13	.04								2.07	3.49
210-219		2.61	2.42			.07	.15								5.44	3.60
220-229		4.18	3.31			.83	.35								8.66	4.20
230-239		3.61	1.96			1.33	.52								7.42	4.73
240-249		2.09	2.07			2.02	.44								6.64	5.56
250-259		1.65	1.48			2.59	.48								6.20	6.10
260-269		1.85	2.22			2.87	.31								7.31	5.89
270-279		2.22	2.15			3.48	.28								8.14	5.70
280-289		2.07	3.29			2.52	.09								7.97	5.17
290-299		1.24	1.34			1.44	.17								4.79	5.33
300-309		1.33	.76			.98	.09								3.16	4.71
310-319		1.28	.54			.30	.02								2.15	3.54
320-329		1.24	.09			.26									1.61	2.85
330-339		.50	.04			.02									.57	2.32
340-349		.09													.09	1.30
350-359		.22													.22	1.19
CALM	13.21														13.21	
TOT	13.21	31.45	28.99	21.95	4.40										100.00	4.49
															4595	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION WRY 22	ANNUAL											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	
0-9	.56	.73	.44	.35	.05	.00						2.14	6.49
10-19	.50	.67	.47	.37	.05	.00						2.06	6.74
20-29	.45	.65	.54	.34	.05	.00						2.03	6.89
30-39	.39	.57	.56	.24	.05	.01						1.83	6.80
40-49	.41	.47	.51	.15	.04	.01		.00				1.59	6.42
50-59	.46	.45	.47	.18	.07	.02		.00				1.66	6.78
60-69	.43	.40	.46	.26	.03	.00						1.62	6.56
70-79	.50	.43	.32	.25	.04	.00						1.54	6.31
80-89	.50	.48	.30	.16	.04	.00						1.47	5.85
90-99	.39	.38	.34	.14	.01							1.28	5.91
100-109	.24	.26	.29	.17	.01							.97	6.69
110-119	.23	.21	.17	.04	.00							.66	5.16
120-129	.29	.21	.09	.01	.00							.61	4.08
130-139	.33	.21	.04	.01	.00							.59	3.46
140-149	.36	.20	.06	.02	.00	.00						.65	3.78
150-159	.48	.33	.14	.06	.02	.00						1.04	4.77
160-169	.61	.53	.18	.10	.04	.01						1.47	5.13
170-179	.68	.64	.25	.11	.03	.01						1.72	5.01
180-189	.67	.79	.36	.11	.03	.00						1.93	4.95
190-199	.89	.93	.52	.17	.03							2.52	5.05
200-209	1.18	1.17	.72	.17	.00							3.25	4.95
210-219	1.58	1.47	.81	.19	.01							4.05	4.77
220-229	1.53	1.40	.64	.12	.01							3.70	4.55
230-239	1.30	1.34	.59	.14	.01	.00						3.38	4.69
240-249	1.21	1.41	.79	.23	.01	.00						3.65	5.14
250-259	1.04	1.18	.65	.17	.01	.00						3.05	5.04
260-269	1.13	1.33	.81	.25	.01	.00						3.54	5.29
270-279	1.29	1.53	1.27	.45	.02							4.55	5.76
280-289	1.48	1.64	1.51	.50	.02	.00						5.15	5.79
290-299	1.34	1.27	1.43	.77	.06	.00						4.90	6.54
300-309	1.35	1.18	1.39	.88	.13	.02		.00				4.95	6.86
310-319	1.40	1.29	1.37	.61	.10	.01	.00					4.89	6.66
320-329	1.61	1.52	1.32	.50	.05	.01	.00					5.01	5.78
330-339	1.39	1.39	.89	.26	.02	.00						3.55	5.19
340-349	.95	1.15	.51	.20	.01	.00						2.83	5.12
350-359	.66	.83	.45	.26	.02	.00						2.20	5.78
CALM	7.55											7.55	
TOT	7.55	29.89	30.54	21.37	9.15	1.07	.12	.00				100.00	5.39
												212210	

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STATION CLK 23	MONTHLY	SEP											TOT	AVE SPD
CALV	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
6-9	1.22	.37	.17									1.76	3.19	
16-19	1.48	1.08	.72	.08								3.36	4.54	
20-29	1.77	1.63	1.30	.11								4.80	4.92	
30-39	2.06	1.61	1.07	.14								4.86	4.65	
40-49	1.91	1.28	1.04	.08								4.31	4.55	
50-59	1.55	1.01	.83	.08								3.47	4.49	
60-69	.97	1.01	.68	.07								2.72	4.77	
70-79	.81	.74	.33	.02								1.94	4.21	
80-89	.59	.59	.19	.02								1.38	4.10	
90-99	.35	.65	.15	.02								1.17	4.38	
100-109	.56	.51	.05									1.12	3.49	
110-119	.47	.49	.06									1.02	3.52	
120-129	.69	.35	.02									1.36	2.78	
130-139	.61	.14										.75	2.27	
140-149	.86	.38	.03	.01								1.28	2.98	
150-159	1.47	.79	.09									2.35	3.08	
160-169	2.00	1.04	.26									3.30	3.28	
170-179	1.34	.99	.34	.03								2.71	3.78	
180-189	1.30	.98	.37	.04								2.69	4.4	
190-199	1.47	1.17	.74	.04								3.03	3.93	
200-209	1.33	1.01	.42	.02								2.81	4.10	
210-219	1.28	1.21	.37	.02								2.88	4.02	
220-229	1.41	1.45	.35	.04								3.25	4.05	
230-239	1.37	1.67	.25	.01								3.30	3.95	
240-249	1.45	1.35	.34	.02								2.85	4.16	
250-259	1.44	1.09	.11									2.63	3.43	
260-269	1.66	.45	.02	.02								1.55	3.01	
270-279	.84	.25	.16	.07	.02							1.35	4.10	
280-289	1.42	.38	.31	.09	.12	.01						2.36	4.64	
290-299	.98	.72	.34	.09	.05	.02						2.20	4.68	
300-309	.74	.92	.45	.08								2.18	4.94	
310-319	.56	.87	.29	.04								1.75	4.67	
320-329	.61	.58	.47	.02								1.68	4.73	
330-339	.61	.49	.26	.07								1.42	4.54	
340-349	.60	.39	.20									1.19	3.87	
350-359	.61	.16	.07	.01								.86	3.04	
CALV	16.63											16.63		
TOT	16.63	39.52	29.80	12.46	1.36	.20	.02					100.00	3.53	

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STATION	ERY	23	MONTHLY				OCT								TOT	AVR	S PD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56					
0-9		.69	.76	.36	.05								1.86	4.64			
10-19		.69	.46	.36	.04								1.56	4.49			
20-29		.90	.36	.26	.05								1.46	3.97			
30-39		.72	.26	.14	.02								1.13	3.43			
40-49		.67	.24	.12	.02	.00							1.06	3.58			
50-59		.95	.27	.24	.05								1.51	3.65			
60-69		1.20	.29	.26	.05	.00							1.80	3.50			
70-79		1.09	.27	.26	.07	.00							1.69	3.69			
80-89		1.16	.30	.20	.05								1.71	3.27			
90-99		1.34	.23	.10	.02								1.68	2.39			
100-109		1.41	.26	.05	.00								1.72	2.14			
110-119		1.45	.27	.02	.00								1.76	2.17			
120-129		1.28	.33	.03									1.64	2.56			
130-139		.76	.33	.05									1.13	2.86			
140-149		.70	.33	.04									1.07	2.96			
150-159		.91	.53	.03									1.47	3.14			
160-169		1.14	.64	.09									1.86	3.19			
170-179		1.27	.69	.10									2.06	3.27			
180-189		1.00	.74	.18									1.91	3.67			
190-199		.94	.94	.24	.03								2.15	4.10			
200-209		.92	1.13	.42	.03								2.50	4.43			
210-219		.76	1.22	.43	.02								2.44	4.67			
220-229		.60	1.27	.60	.02								2.49	5.10			
230-239		.65	1.41	.70	.05								2.82	5.21			
240-249		.82	1.23	.65	.06								2.76	4.99			
250-259		1.00	1.12	.80	.15	.01							3.07	5.19			
260-269		1.38	1.00	.74	.59	.08	.02						3.82	6.21			
270-279		1.48	.89	.81	.86	.28	.05	.00					4.36	7.30			
280-289		1.25	1.01	.87	1.03	.34	.02						4.61	7.64			
290-299		1.01	1.68	1.31	.72	.13	.03						4.94	7.08			
300-309		.69	1.72	1.60	.59	.12							4.71	6.93			
310-319		.64	1.46	1.23	.44	.06							3.83	6.60			
320-329		.62	1.20	1.13	.35	.03							3.32	6.37			
330-339		.46	1.04	.86	.20	.01							2.57	6.09			
340-349		.44	.71	.58	.04								1.77	5.48			
350-359		.46	.53	.38	.04								1.40	5.00			
CALM	16.37												16.37				
TOT	16.37	33.43	27.09	16.25	5.63	1.11	.11	.00					100.00	4.36			

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	ERY 23	MONTHLY										NOV		TOT	AVE SOD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		1.75	2.29	.71	.21	.01								4.98	4.73
10-19		1.71	1.52	.44	.26	.03								3.96	4.65
20-29		1.39	.83	.19	.11	.05	.00							2.58	4.22
30-39		1.22	.76	.17	.20	.07	.01							2.42	4.77
40-49		1.32	.79	.21	.37	.17	.01							2.88	5.77
50-59		.96	.62	.16	.26	.08	.01							2.09	5.43
60-69		.57	.27	.10	.15	.01								1.11	4.68
70-79		.59	.27	.18	.10									1.14	4.31
80-89		.87	.27	.22	.07									1.43	3.73
90-99		1.17	.28	.20	.04									1.70	3.01
100-109		1.25	.38	.20	.05									1.87	3.07
110-119		1.38	.38	.15	.03									1.93	2.80
120-129		1.36	.35	.03	.07									1.80	2.72
130-139		.89	.43	.07	.10	.02								1.50	3.78
140-149		.65	.35	.12	.11	.01	.00							1.24	4.44
150-159		.50	.19	.07	.03		.00							.79	3.51
160-169		.68	.16	.04	.01									.89	2.61
170-179		.70	.33	.03	.01									1.06	2.97
180-189		.67	.37	.07	.02									1.12	3.32
190-199		.73	.47	.15	.05									1.40	3.99
200-209		.75	.70	.25	.06									1.76	4.33
210-219		.85	.77	.29	.09									2.00	4.40
220-229		.78	.88	.39	.13									2.18	4.84
230-239		.94	1.07	.41	.25	.02								2.69	5.22
240-249		1.00	1.24	.58	.44	.03								3.29	5.83
250-259		1.12	1.18	.88	.49	.10	.00							3.77	6.27
260-269		1.46	1.25	1.07	.37	.06	.02							4.22	5.75
270-279		1.50	.87	1.07	.58	.10	.04	.00						4.16	6.40
280-289		1.54	.60	.41	.50	.12	.08	.01						3.27	6.29
290-299		1.33	.57	.44	.29	.07	.05	.00						2.75	5.55
300-309		1.12	.74	.66	.13	.01	.02							2.68	5.01
310-319		.96	.86	.93	.12									2.88	5.28
320-329		.81	1.19	.97	.09	.00								3.06	5.45
330-339		.92	1.41	.84	.10									3.27	5.17
340-349		1.10	1.57	.63	.06									3.36	4.69
350-359		1.26	1.77	.60	.10									3.75	4.65
CALM	13.02													13.02	
TOT	13.02	37.79	28.00	13.92	6.05	.95	.25	.01						100.00	4.36
														30761	

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STATION	ERY 23	MONTHLY				DEC								TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
C-9		4.38	2.47	.19	.00								7.05	3.11	
10-19		3.63	2.15	.11	.00								5.89	3.07	
20-29		2.59	1.20	.13	.01								3.92	2.57	
30-39		1.78	.65	.14	.00								2.58	2.85	
40-49		1.36	.43	.26	.01								2.06	3.12	
50-59		.99	.26	.26	.02								1.52	3.34	
60-69		.69	.15	.15	.02								1.01	3.11	
70-79		.49	.06	.08	.03								.66	2.88	
80-89		.43	.04	.07	.05								.59	3.35	
90-99		.58	.02	.03	.02	.00							.65	2.11	
100-109		.62	.01	.00	.00								.64	1.35	
110-119		.74	.04										.78	1.52	
120-129		1.02	.08										1.10	1.59	
130-139		.78	.13	.00									.92	1.96	
140-149		.57	.10	.01									.67	1.98	
150-159		.46	.07	.01									.53	1.86	
160-169		.54	.15	.02									.71	2.34	
170-179		.61	.20	.04									.85	2.61	
180-189		.51	.21	.05	.00								.78	3.01	
190-199		.67	.29	.04									1.00	2.90	
200-209		.61	.30	.03	.00								.95	2.92	
210-219		.76	.29	.09	.01								1.15	3.13	
220-229		.76	.38	.15	.01								1.31	3.55	
230-239		.81	.54	.33	.05								1.72	4.31	
240-249		1.15	.75	.63	.19	.01							2.73	5.02	
250-259		1.55	.68	.66	.84	.24	.08	.01					4.25	7.25	
260-269		2.10	.88	.56	.88	.57	.29	.03					5.30	8.12	
270-279		2.04	.98	.85	1.19	.73	.22	.01					6.02	8.48	
280-289		2.01	.92	.54	.99	.79	.16						5.72	8.32	
290-299		1.71	.96	.87	.55	.23	.03						4.35	6.38	
300-309		1.47	.82	.74	.32	.07	.01						3.43	5.46	
310-319		1.33	.92	.41	.16	.00							2.43	4.40	
320-329		1.22	.43	.26	.08								1.99	3.85	
330-339		1.33	.52	.15	.04								2.04	3.34	
340-349		1.67	.78	.17	.01								2.82	3.20	
350-359		2.72	1.36	.23	.01								4.33	3.26	
CALM	15.59												15.59		
TOT	15.59	46.87	19.81	8.73	5.51	2.64	.79	.05					100.00	4.08	

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STATION	ERY 23	MONTHLY	JAN										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<56		
0-9		.58	.29	.09	.02								.98	3.70
10-19		.63	.72	.43	.01								1.78	4.68
20-29		.69	1.03	.86	.06								2.64	5.38
30-39		.58	.97	.83	.10								2.48	5.56
40-49		.53	.53	.32	.05								1.43	4.66
50-59		.59	.21	.06	.02								.88	2.85
60-69		.66	.16	.04									.85	2.20
70-79		.81	.16	.01									.97	1.99
80-89		1.05	.17	.01									1.23	1.89
90-99		1.29	.17	.01									1.46	1.73
100-109		1.34	.07										1.41	1.33
110-119		1.45	.06	.00									1.51	1.49
120-129		1.51	.10	.02									1.62	1.76
130-139		.91	.20	.17	.00								1.19	3.13
140-149		.74	.55	.22	.01								1.52	3.85
150-159		.83	.48	.09	.01								1.42	3.35
160-169		.95	.39	.09	.01								1.43	3.22
170-179		1.08	.49	.06									1.64	3.13
180-189		1.05	.55	.09									1.69	3.25
190-199		1.08	.78	.10									1.95	3.46
200-209		1.12	.90	.18	.00								2.21	3.69
210-219		1.11	1.04	.29	.01								2.45	4.05
220-229		1.10	1.15	.44	.02								2.70	4.39
230-239		1.23	1.14	.79	.07								3.53	4.80
240-249		1.38	2.25	1.09	.11								4.83	4.99
250-259		1.47	2.42	1.90	.39	.03							6.21	5.81
260-269		1.20	1.69	1.65	1.67	.25	.04						6.48	7.96
270-279		.99	1.04	1.47	3.26	.78	.18						7.72	10.49
280-289		.97	.82	1.65	4.57	1.53	.21	.06					10.01	11.55
290-299		.63	.75	1.65	3.16	.77	.07	.01	.00				7.05	10.97
300-309		.55	.82	1.00	1.49	.41	.03						4.30	9.68
310-319		.31	.58	.67	.85	.28	.04						2.77	9.71
320-329		.24	.34	.35	.39	.14	.02						1.48	9.05
330-339		.22	.23	.17	.14	.04	.01						.81	6.97
340-349		.22	.13	.11	.02	.01							.50	4.97
350-359		.31	.20	.09	.01								.60	3.94
CALM	6.25												6.25	
TOT	6.25	31.24	23.87	17.30	16.47	4.25	.60	.01	.00				100.00	6.43

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STATION	ERY 23	MONTHLY	FEB										TOT	AVE SPD
	CALM	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		1.76	1.34	1.53	1.07	.03							6.24	6.34
10-19		1.53	.90	.91	.84	.03							4.10	6.28
20-29		1.36	.54	.30	.30	.01							2.52	4.71
30-39		1.15	.40	.14	.11	.01							1.80	3.85
40-49		1.00	.27	.07	.01								1.34	2.81
50-59		.70	.33	.11	.01								1.14	3.12
60-69		.65	.29	.14	.00								1.08	3.35
70-79		.57	.22	.09	.00								.89	3.03
80-89		.53	.16	.06									.76	2.74
90-99		.78	.31	.05									1.15	2.68
100-109		.53	.12	.01									.66	2.16
110-119		.81	.09	.00									.90	1.90
120-129		1.13	.11	.00	.00								1.25	1.87
130-139		1.05	.16	.04	.03								1.31	2.60
140-149		.98	.34	.15	.09	.01							1.57	3.85
150-159		.83	.45	.40	.13	.02							1.82	4.99
160-165		.48	.51	.27	.03	.00							1.35	5.02
170-179		.39	.54	.13	.06	.00							1.12	4.74
180-189		.31	.53	.07	.02								.92	4.39
190-199		.33	.51	.09	.01								.94	4.19
200-209		.37	.43		.01								.88	4.03
210-219		.40	.43		.00								.91	3.87
220-229		.57	.58	.11									1.26	3.89
230-239		.66	.91	.17									1.74	4.20
240-249		.67	1.67	.44	.03								2.81	4.84
250-259		.72	2.29	1.37	.32	.02							5.22	6.23
260-269		.68	1.97	2.00	.95	.09							5.48	7.17
270-279		.50	1.30	1.03	1.04	.08	.00						4.14	7.56
280-289		.82	1.27	1.70	1.69	.17							5.65	8.38
290-299		.81	1.32	2.65	1.96	.14	.00						6.89	8.53
300-309		.85	1.31	2.54	1.57	.05							6.34	7.97
310-319		.66	1.56	2.56	1.11	.02							5.93	7.56
320-329		.78	1.62	2.15	.67	.02							5.24	6.94
330-339		.94	1.53	1.66	.36	.01							4.70	6.32
340-349		1.03	1.64	1.22	.23	.00							4.14	5.67
350-359		1.19	1.05	1.15	.22								4.40	5.41
CALM	1.42												1.42	
TOT	1.42	28.82	30.18	25.03	12.83	.71	.01						100.00	6.12
31729														

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED(KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION ERY 23	MONTHLY	WAR												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.84	.55	1.06	.64	.01							3.10	6.96
10-19		1.48	.90	1.62	1.19	.05							5.25	7.07
20-29		1.47	1.14	1.40	1.16	.05							5.28	6.87
30-39		1.72	1.53	1.18	.57	.02							5.12	5.63
40-49		1.56	1.71	.98	.16	.01							4.32	4.70
50-59		1.70	1.50	.89	.02	.00							3.91	4.12
60-69		1.51	.80	.36	.02								2.69	3.43
70-79		1.77	.64	.22	.00								2.64	2.91
80-89		1.95	.60	.19	.00								2.73	2.66
90-99		1.99	.58	.11									2.68	2.46
100-109		1.83	.63	.12									2.58	2.63
110-119		1.83	.87	.14									2.84	2.81
120-129		1.67	.63	.20									2.50	2.76
130-139		.83	.27	.07									1.16	2.51
140-149		.71	.16										.87	2.16
150-159		.66	.22										.88	2.58
160-169		.60	.35	.01									.96	2.92
170-179		.62	.30	.03	.01								.96	3.08
180-189		.43	.27	.09	.00								.78	3.68
190-199		.60	.43	.13	.02								1.18	3.86
200-209		.61	.55	.15	.02								1.33	4.11
210-219		.30	.60	.18	.04								1.31	4.47
220-229		.49	.66	.14	.02								1.30	4.28
230-239		.48	.54	.15	.03								1.20	4.33
240-249		.56	.52	.17	.04	.00							1.29	4.37
250-259		.73	.92	.97	.83	.07							3.52	7.38
260-269		.95	1.18	1.11	1.58	.24	.01						5.08	8.38
270-279		1.19	.99	.80	1.37	.12	.01						4.48	7.70
280-289		1.05	.88	1.15	1.43	.09							4.64	7.94
290-299		.94	.69	1.01	.84	.10	.00						3.59	7.48
300-309		.86	.79	.63	.51	.10							2.88	6.72
310-319		.74	.80	.54	.34	.04							2.46	6.12
320-329		.66	.72	.42	.21	.02							2.03	5.63
330-339		.70	.73	.34	.12	.01							1.90	5.05
340-349		.60	.76	.28	.10	.02							1.76	5.00
350-359		.63	.45	.35	.14								1.57	5.16
CALM	7.20												7.20	
TOT	7.20	37.47	25.93	16.94	11.46	.97	.02						100.00	5.18

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION	ERY 23	MONTHLY										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	
0-9		.70	1.27	.40								2.36	4.56
10-19		.77	1.11	.30	.01							2.19	4.39
20-29		.65	.61	.23	.01							1.50	4.15
30-39		.71	.64	.34	.04	.00						1.74	4.54
40-49		1.10	.61	.72	.15	.91						2.78	5.05
50-59		1.16	.84	1.12	.28							3.43	5.59
60-69		.91	.85	1.09	.28	.01						3.13	5.86
70-79		.97	.91	1.04	.33	.02						3.27	5.87
80-89		1.01	.96	.91	.39	.01						3.29	5.74
90-99		1.08	.78	.59	.22	.00						2.76	5.10
100-109		.33	.67	.62	.19	.00						2.45	5.22
110-119		1.03	.45	.40	.11							2.05	4.35
120-129		1.06	.45	.22	.01							1.71	3.23
130-139		.87	.41	.14								1.42	3.09
140-149		.77	.31	.07								1.15	2.94
150-159		.73	.32	.07								1.13	3.01
160-169		.68	.19	.05								.92	2.90
170-179		.65	.13	.01								.81	2.53
180-189		.64	.09	.03	.00							.75	2.60
190-199		.65	.13	.03	.01							.87	2.82
200-209		.65	.75	.16	.00							1.07	3.72
210-219		.76	.52	.32	.03							1.58	4.45
220-229		.81	.95	.54	.02							2.33	4.78
230-239		.56	1.37	.35	.07							2.84	5.45
240-249		.65	1.60	1.53	.19							3.97	6.11
250-259		.64	1.06	2.59	1.45	.11	.03					5.98	8.38
260-269		.72	1.02	3.05	2.67	.62	.36	.01				8.45	10.25
270-279		.56	.77	1.37	2.24	1.39	.74	.05				7.13	12.92
280-289		.51	.65	.69	2.15	1.16	.59	.02				5.78	13.01
290-299		.55	.62	1.11	1.13	.19	.11	.02				4.31	10.08
300-309		.40	.68	.69	.54	.15	.01					2.96	7.83
310-319		.39	.87	.43	.25	.13						2.01	6.29
320-329		.47	.75	.39	.12	.01						1.73	5.47
330-339		.39	.93	.43	.04							1.76	5.23
340-349		.45	.93	.36	.04							1.84	4.98
350-359		.42	.97	.33	.01							1.73	4.79
CALM	4.82											4.82	
TOT	4.82	25.97	26.36	23.31	12.98	4.12	1.85	.09				100.00	6.83
												26915	

STATIONERY 23	MONTHLY	JUN										TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<56	TOT	AVE SPD
0-5	.58	.76	.46	.01								1.81	4.78
10-19	.72	.52	.33	.02								1.60	4.24
20-29	.86	.39	.23	.01								1.56	3.72
30-39	.90	.40	.08	.01								1.39	3.16
40-49	.99	.49	.09	.00								1.57	3.09
50-59	1.02	.55	.12	.01								1.70	3.22
60-69	.99	.65	.13	.00								1.77	3.33
70-79	1.17	.65	.09									1.91	3.18
80-89	1.22	.66	.11									2.09	3.26
90-99	1.31	.84	.10	.00								2.25	3.27
100-109	1.46	.72	.09									2.27	3.01
110-119	1.40	.81	.18									2.40	3.28
120-129	1.53	1.15	.27	.01								2.95	3.55
130-139	1.46	1.56	.40	.01								3.37	4.01
140-149	1.21	1.69	.51	.01								3.42	4.30
150-159	1.56	1.42	.37	.01								3.37	3.84
160-169	2.18	1.33	.17	.01								3.69	3.34
170-179	2.19	1.09	.12									3.41	3.10
180-189	1.93	.88	.25									2.86	2.99
190-199	2.11	.92	.05	.00								3.08	2.98
200-209	1.89	.88	.05									2.83	2.97
210-219	1.95	.90	.00									2.91	3.08
220-229	2.00	1.03	.12	.01								3.15	3.17
230-239	1.96	1.36	.22	.01								3.54	3.48
240-249	2.03	1.90	.43	.01								4.37	3.87
250-259	2.14	2.32	.80	.06								5.32	4.29
260-269	1.73	2.16	1.53	.37								5.78	5.38
270-279	1.16	1.10	1.11	.58	.01							3.96	6.11
280-289	1.07	.57	.53	.36	.01	.00						2.54	5.54
290-299	.84	.51	.41	.24	.02	.00						2.02	5.44
300-309	.64	.45	.51	.22								1.82	5.66
310-319	.42	.46	.52	.12	.00							1.53	5.82
320-329	.41	.48	.45	.08								1.41	5.49
330-339	.43	.45	.42	.07								1.37	5.37
340-349	.39	.57	.34	.06								1.35	5.13
350-359	.44	.54	.32	.03								1.24	4.77
CALM	6.34											6.34	
TOT	6.34	46.23	33.27	11.79	2.32	.05	.01					100.00	3.87

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STATION	ERY	23	MONTHLY			JUL							TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.51	.29	.03									.83	2.92
10-19		.58	.37	.02									.98	3.00
20-29		.68	.35	.04									1.07	3.02
30-39		.68	.51	.05									1.25	3.38
40-49		.76	.55	.05									1.35	3.19
50-59		.69	.31	.06									1.05	2.94
60-69		.69	.21	.04									.94	2.59
70-79		.65	.21	.02									.87	2.53
80-89		.91	.24	.01									1.17	2.50
90-99		.99	.24	.01									1.23	2.46
100-109		.95	.29	.03									1.27	2.59
110-119		1.21	.58	.03									1.71	2.72
120-129		1.16	.66	.07									1.90	2.99
130-139		.99	.50	.06									1.55	2.93
140-149		.98	.57	.05									1.61	3.06
150-159		1.29	.66	.10	.00								2.05	3.18
160-169		1.09	1.08	.16	.01								3.14	3.29
170-179		2.46	1.23	.11									3.81	3.12
180-189		2.18	1.13	.13	.01								3.45	3.17
190-199		2.44	1.27	.13	.01								3.84	3.16
200-209		2.48	1.38	.10	.01								4.00	3.20
210-219		2.42	1.35	.15	.01								3.93	3.26
220-229		2.47	1.43	.23	.02								4.20	3.45
230-239		2.43	1.77	.40	.04								4.64	3.75
240-249		2.41	1.72	.62	.06	.00							4.81	3.98
250-259		2.63	2.24	.84	.11								5.81	4.19
260-269		2.41	2.50	1.35	.32	.01							6.59	4.87
270-279		2.15	1.80	1.02	.40	.01							5.37	4.55
280-289		1.82	1.31	.50	.10	.01							3.74	4.11
290-299		1.68	.96	.37	.16	.09							3.17	4.10
300-309		1.08	.83	.52	.16	.00							2.59	4.79
310-319		.83	.66	.40	.11								2.00	4.71
320-329		.69	.48	.30	.05								1.52	4.32
330-339		.54	.44	.20	.02								1.21	4.14
340-349		.62	.37	.12	.03								1.14	3.67
350-359		.48	.26	.03	.01								.79	3.16
CALM	9.44												9.44	
TOT	9.44	49.84	30.66	8.11	1.63	.03							100.00	3.42

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STATION	ERY	23	MONTHLY			AUG							TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-5		.75	.42	.06									1.23	3.18
10-19		.77	.48	.04									1.28	3.17
20-29		.70	.46	.04									1.20	3.16
30-39		.72	.33	.03									1.08	2.83
40-49		.74	.34	.02									1.11	2.77
50-59		.66	.44	.05									1.15	3.13
60-69		.88	.53	.10	.00								1.52	3.08
70-79		.92	.73	.08									1.73	3.28
80-89		1.05	.74	.05	.00								1.84	3.19
90-99		1.29	.57	.02									1.88	2.81
100-109		1.20	.55	.02									1.77	2.81
110-119		1.53	.51	.02	.01								2.07	2.64
120-129		1.80	.44	.02									2.25	2.34
130-139		1.25	.26	.01									1.53	2.34
140-149		.95	.25	.02									1.23	2.49
150-159		1.20	.28	.03	.00								1.52	2.61
160-169		1.70	.50	.06									2.26	2.81
170-179		1.68	.50	.03									2.21	2.72
180-189		1.67	.49	.06	.00								2.22	2.75
190-199		1.79	.43	.05									2.28	2.66
200-209		2.02	.54	.03									2.59	2.64
210-219		2.03	.64	.04									2.71	2.75
220-229		2.23	.77	.10									3.10	2.94
230-239		2.58	1.18	.20									3.96	3.10
240-249		2.68	1.83	.30	.00								4.82	3.40
250-259		3.16	2.00	.52	.04								5.73	3.60
260-269		2.99	2.71	1.02	.19	.01							6.92	4.29
270-279		2.23	2.29	1.14	.39	.01							6.06	4.93
280-289		2.41	1.44	.78	.22	.00							4.85	4.32
290-299		2.31	1.14	.63	.15								4.44	4.16
300-309		1.76	.12	.57	.11								3.56	4.07
310-319		1.25	1.01	.36	.02								2.64	3.95
320-329		.83	.66	.27	.01								1.81	3.96
330-339		.67	.46	.17	.01								1.31	3.71
340-349		.4	.40	.10	.00								1.05	3.70
350-359		.35	.48	.06	.01								1.10	3.50
CALM	9.93												9.98	
TOT	9.98	53.54	27.93	7.34	1.18	.02							100.00	3.21
24973														

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION ERY 23 ANNUAL

	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		1.24	1.03	.44	.18	.01							2.90	4.64
10-19		1.24	.90	.42	.21	.01							2.78	4.73
20-29		1.14	.74	.38	.15	.01	.00						2.42	4.54
30-39		1.09	.74	.32	.10	.01	.00						2.26	4.31
40-49		1.06	.70	.32	.07	.02	.00						2.17	4.24
50-59		.98	.60	.33	.06	.01	.00						1.98	4.15
60-69		.88	.49	.28	.05	.00							1.71	3.95
70-79		.91	.46	.24	.05	.00							1.66	3.79
80-89		1.05	.47	.22	.06	.00							1.80	3.63
90-99		1.21	.45	.18	.03	.00							1.87	3.19
100-109		1.21	.42	.14	.03	.00							1.80	3.01
110-119		1.34	.48	.12	.02								1.95	2.86
120-129		1.43	.52	.10	.01								2.07	2.77
130-139		1.04	.49	.10	.01	.00							1.63	3.10
140-149		.88	.51	.12	.02	.00	.00						1.54	3.46
150-159		.98	.52	.12	.02	.00	.00						1.64	3.40
160-169		1.18	.60	.10	.01	.00							1.89	3.26
170-179		1.23	.62	.08	.01	.00							1.93	3.18
180-189		1.08	.56	.09	.01								1.74	3.26
190-199		1.18	.66	.11	.01								1.97	3.36
200-209		1.16	.73	.15	.01								2.05	3.52
210-219		1.16	.79	.19	.02								2.16	3.69
220-229		1.18	.92	.26	.03								2.41	3.93
230-239		1.20	1.15	.40	.06	.00							2.81	4.28
240-249		1.29	1.41	.63	.11	.00							3.45	4.69
250-259		1.47	1.56	1.14	.45	.06	.01	.00					4.69	5.77
260-269		1.50	1.55	1.34	.92	.18	.07	.00					5.57	6.95
270-279		1.35	1.14	1.03	1.11	.31	.10	.01					5.05	7.90
280-289		1.32	.91	.31	1.17	.37	.09	.00					4.77	8.22
290-299		1.14	.90	1.00	.83	.18	.03	.00	.00				4.08	7.35
300-309		.91	.92	.92	.53	.08	.01						3.35	6.64
310-319		.72	.82	.76	.33	.04	.00						2.67	6.27
320-329		.65	.73	.63	.19	.02	.00						2.23	5.79
330-339		.64	.72	.51	.11	.01	.00						1.98	5.26
340-349		.71	.74	.36	.06	.00							1.88	4.69
350-359		.63	.78	.32	.05								1.98	4.40
CALM	9.16												9.16	
TOT	9.16	39.58	27.72	14.81	7.09	1.32	.31	.02	.00				100.00	4.68

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TNL 26	CALM	MONTHLY	FEB	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.40	.07	.07								.53	3.44
10-19		.40	.26	.33								.99	4.48
20-29		1.13	.46	.79								2.38	4.83
30-39		1.32	.99	1.06	.13							3.51	5.17
40-49		.53	.93	1.72	.13							3.31	6.40
50-59		.40	1.99	1.13	.20							3.71	5.30
60-69		.53	4.04	1.79	.26							6.62	5.84
70-79		.40	1.39	.53								2.32	5.20
80-89		.07	.13	.20								.40	6.11
90-99		.20										.20	1.57
100-109		.53										.53	2.71
110-119		.20										.20	3.03
120-129		.66	.13									.79	2.12
130-139		1.85	.93									2.78	2.98
140-149		1.32	1.19									2.52	3.09
150-159		1.59	2.25									3.84	3.45
160-169		1.13	.79									1.92	3.12
170-179		1.52	.33									1.85	2.58
180-189		1.39										1.39	1.75
190-199		1.13										1.13	1.95
200-209		.93	.13									1.06	2.17
210-219		.86										.86	1.81
220-229		.46	.07									.53	2.16
230-239		.66	.07									.73	2.05
240-249		.26	.13									.40	2.28
250-259		.20	.20									.40	2.96
260-269		.60	.20									.79	2.91
270-279		.60	.60									1.19	3.47
280-289		.46	1.13									1.59	3.92
290-299		.79	2.85	.07								3.71	4.19
300-309		1.39	10.99	.33								12.72	4.57
310-319		1.13	13.25	.66								15.03	4.94
320-329		.93	5.63	.46								7.02	4.74
330-339		.53	2.65									3.18	4.04
340-349		1.99	4.57									6.56	3.71
350-355		.19	1.85									3.05	3.57
CALM	.26											.26	
TOT	.26	29.67	60.20	9.14	.73							100.00	4.43

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWL 26	MONTHLY	MAR											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	1.82	1.80	.92	1.49	.13	.00						6.17	6.54	
10-19	1.14	1.58	1.21	1.90	.22	.01						6.07	8.18	
20-29	.76	1.55	1.27	1.29	.18	.01						5.06	7.95	
30-39	.77	1.70	1.12	.58	.07	.00						4.25	6.55	
40-49	.64	1.45	.74	.20	.02							3.04	5.72	
50-59	.51	.98	.59	.08	.01							2.15	5.43	
60-69	.54	.35	.81	.05								2.35	5.55	
70-79	.43	.69	.51	.03								1.27	4.94	
80-89	.56	.71	.25	.01								1.53	4.35	
90-99	.51	.70	.18	.01								1.40	4.22	
100-109	.47	1.01	.26	.01								1.75	4.62	
110-119	.59	.97	.45									2.01	4.74	
120-129	.60	.36	.51	.02								1.49	4.96	
130-139	.51	.15	.09	.00								.75	3.18	
140-149	.40	.14	.02	.00								.57	2.91	
150-159	.49	.18										.68	2.64	
160-169	.41	.18										.59	2.65	
170-179	.46	.07	.00	.00								.53	2.26	
180-189	.45	.59	.01	.00								.55	2.28	
190-199	.48	.56	.21	.03								1.29	4.46	
200-209	.61	1.01	.63	.18	.09							2.44	5.53	
210-219	.68	.92	.41	.21	.01							2.23	5.40	
220-229	.67	.66	.18	.09								1.60	4.43	
230-239	.67	.75	.24	.03	.00							1.68	4.35	
240-249	.54	1.01	.54	.09	.01							2.60	4.89	
250-259	1.00	1.08	.92	.50	.02	.00						2.52	6.12	
260-269	.89	1.07	1.22	.88	.07							4.13	7.20	
270-279	.85	1.23	1.16	.89	.07							4.22	7.14	
280-289	.78	.98	1.39	.65	.04							4.04	7.38	
290-299	.61	.60	1.13	.66	.09	.00						3.09	7.73	
300-309	.73	.65	.69	.55	.15	.01						2.77	7.39	
310-319	1.09	1.51	.73	.34	.11	.01						3.79	5.88	
320-329	1.31	1.92	.84	.24	.13	.00						4.44	5.52	
330-339	1.20	1.22	1.31	.13	.05							3.90	5.54	
340-349	1.24	1.22	.68	.07	.02							3.24	4.71	
350-359	1.52	1.41	.43	.36	.05							3.77	5.07	
CALM	4.43											4.43		
TOT	4.43	27.54	33.08	21.62	11.82	1.46	.06					100.00	5.88	

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STATION	TWL 26	MONTHLY	APR											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9		.58	.79	.16	.01								1.54	4.22	
10-19		.58	.53	.28	.02								1.41	4.33	
20-29		.50	.69	.43	.02								1.63	4.88	
30-39		.57	.24	.27	.01								1.69	4.58	
40-49		.38	.94	.39	.01								1.72	4.99	
50-59		.33	.66	.67	.05								1.71	5.75	
60-69		.30	.56	.83	.09								1.78	6.36	
70-79		.25	.48	.50	.03								1.26	5.90	
80-89		.39	.31	.23	.03								.96	4.66	
90-99		.18	.21	.40	.23	.03							1.05	7.71	
100-109		.12	.38	.49	.66	.15							1.80	9.81	
110-119		.16	.38	.23	.43	.15	.01						1.35	9.37	
120-129		.18	.50	.39	.11	.03							1.21	6.64	
130-139		.16	.34	.29	.03								.83	5.91	
140-149		.14	.26	.29	.05								.75	6.31	
150-159		.13	.39	.29	.10		.01						.92	6.46	
160-169		.14	.48	.41	.13								1.16	6.52	
170-179		.35	.60	.16	.03		.01		.01				1.15	4.88	
180-189		.46	.29	.04									.79	3.30	
190-199		.51	.27	.16	.03								.98	4.01	
200-209		.62	.53	.48	.15								1.78	5.29	
210-219		1.30	2.56	1.42	.33	.01							5.62	5.50	
220-229		1.53	3.33	2.01	.39								7.26	5.58	
230-239		1.30	2.55	1.76	.50	.01							6.12	5.52	
240-249		1.18	2.10	2.47	.95	.02	.01						6.73	6.76	
250-259		1.08	1.69	2.51	.92	.11	.01						6.33	7.22	
260-269		.82	.91	2.55	1.57	.63	.10	.01					6.59	9.51	
270-279		.57	.65	1.56	2.56	1.43	.28	.01					7.07	12.14	
280-289		.52	.52	.96	2.07	1.09	.27	.01					5.44	12.18	
290-299		.53	.34	.49	1.16	.57	.10						3.20	10.99	
300-309		.54	.49	.40	.62	.10							2.15	7.78	
310-319		.74	.86	.66	.44	.02							2.72	6.27	
320-329		.79	1.08	.91	.32	.01							3.12	5.92	
330-339		.96	1.22	.99	.35								3.52	5.78	
340-349		.79	1.03	.63	.13								2.58	5.19	
350-359		.63	.73	.25	.39								1.68	4.64	
CALM	2.40												2.40		
TOT	2.40	20.32	30.48	26.99	14.63	4.36	.79	.02	.01				100.00	7.18	

STATION	TWL 26	MONTHLY			MAY										TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56				
0-9		.22	.20	.04									.45	3.70		
10-19		.37	.58	.09									1.03	4.19		
20-29		.60	1.33	.13	.00								2.06	4.27		
30-39		.57	1.44	.36	.02								2.39	4.76		
40-49		.44	1.39	.89	.10								2.81	5.75		
50-59		.25	1.25	1.14	.10								2.74	6.36		
60-69		.30	1.03	1.14	.13	.01							2.62	6.48		
70-79		.53	.82	.83	.13								2.31	5.87		
80-89		.51	.77	.75	.35	.01							2.38	6.50		
90-99		.27	.86	.82	.58	.01							2.53	7.48		
100-109		.37	1.05	.80	.40	.30							2.61	6.75		
110-119		.31	.97	.73	.13								2.13	6.05		
120-129		.45	1.24	1.05	.05								2.79	5.81		
130-139		.48	.82	1.05	.05								2.40	5.90		
140-149		.43	.85	.35	.05								1.88	5.35		
150-159		.68	.90	.64	.08								2.30	5.21		
160-169		.95	1.22	.52	.06								2.75	4.64		
170-179		1.76	1.33	.62	.04								3.75	4.14		
180-189		1.93	1.75	.54	.01								4.24	3.98		
190-199		1.49	1.64	.40									3.54	3.97		
200-209		.98	1.25	.59	.00								2.71	4.68		
210-219		.81	1.23	.84	.11								2.98	5.30		
220-229		.91	1.13	.87	.13								3.04	5.27		
230-239		.84	1.72	1.07	.33	.02							3.99	5.81		
240-249		1.27	1.94	1.65	.77	.07	.01						5.70	6.42		
250-259		1.35	1.58	1.52	.94	.09	.00						5.50	6.73		
260-269		1.08	1.41	1.53	1.08	.10	.01						5.20	7.31		
270-279		.93	1.10	1.53	1.15	.38	.01						4.79	7.65		
280-289		.62	.84	1.06	.71	.03							3.26	7.25		
290-299		.37	.55	.60	.34	.03							1.88	7.00		
300-309		.33	.38	.47	.30	.05							1.52	7.29		
310-319		.25	.51	.50	.53	.11							1.90	8.47		
320-329		.27	.31	.32	.42	.08							1.39	8.24		
330-339		.20	.32	.33	.23	.05							1.13	7.59		
340-349		.22	.23	.18	.05								.68	5.28		
350-359		.12	.12	.10	.03	.00							.38	5.61		
CALM	4.21												4.21			
TOT	4.21	23.36	36.05	20.23	9.38	.73	.03						100.00	5.87		

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STATION	TWL 26	MONTHLY	JUN										TOT	AVE SPD
	CALW	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-5		.70	.56	.60	.11								1.97	5.32
10-19		.59	.27	.25	.08	.00							1.19	4.74
20-29		.57	.30	.16	.05	.00							1.08	4.32
30-39		.62	.38	.10	.01								1.11	3.63
40-49		.62	.46	.10	.01								1.19	3.74
50-59		.61	.53	.16	.01								1.31	3.99
60-69		.49	.50	.19	.01								1.18	4.30
70-79		.54	.81	.13	.01								1.49	4.07
80-89		.70	1.23	.10									2.03	3.99
90-99		.65	1.08	.20	.01								1.93	4.21
100-109		.58	.99	.48	.02								2.06	4.87
110-119		.50	.68	.67	.04								1.89	5.46
120-129		.35	.52	.68	.12								1.67	6.16
130-139		.37	.37	.59	.26	.00							1.59	6.64
140-149		.30	.28	.94	1.14	.01							2.68	9.26
150-159		.48	.56	1.12	1.33	.10							3.58	8.88
160-169		.59	1.06	1.20	.61	.04							3.50	7.11
170-179		1.47	1.92	1.03	.13								4.55	4.95
180-189		1.93	2.16	.60	.02								4.71	4.16
190-199		2.05	2.79	.70	.03								5.57	4.24
200-209		2.01	2.37	.69	.06								5.13	4.28
210-219		2.24	2.05	.62	.07								4.98	4.17
220-229		1.96	2.63	.55	.04								5.20	4.22
230-239		1.85	3.06	.64	.10	.01							5.65	4.42
240-249		2.04	2.93	.89	.15								6.01	4.62
250-259		1.52	1.96	1.00	.25								4.72	5.05
260-269		1.11	1.44	1.12	.24								3.90	5.48
270-279		.69	.84	.65	.18	.01	.00						2.57	5.35
280-289		.71	.58	.49	.22	.01	.00						2.01	5.66
290-299		.43	.43	.54	.30	.01							1.72	6.71
300-309		.25	.33	.60	.36	.00							1.54	7.60
310-319		.40	.39	.69	.33	.01	.01						1.83	7.12
320-329		.45	.33	.46	.28	.01							1.55	6.58
330-339		.46	.32	.46	.19	.00							1.44	6.06
340-349		.43	.46	.40	.08	.00							1.38	5.45
350-359		.47	.55	.52	.10	.00							1.71	5.68
CALW	2.36												2.36	
TOT	2.36	31.95	38.08	20.43	6.96	.22	.01						100.00	5.21

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STATION TWL 26	MONTHLY	JUL											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.44	.37	.11	.00								.93	3.92	
10-19	.45	.51	.05									1.02	3.73	
20-29	.48	.56	.09									1.13	3.77	
30-39	.41	.46	.08									.95	3.87	
40-49	.30	.36	.06									.72	3.88	
50-59	.21	.21	.06									.48	3.97	
60-69	.19	.14	.01									.34	3.29	
70-79	.37	.25	.04									.66	3.36	
80-89	.37	.29	.02									.68	3.34	
90-99	.34	.28	.02									.64	3.36	
100-109	.28	.42	.11									.81	4.20	
110-119	.28	.48	.24									1.00	5.77	
120-129	.27	.55	.28									1.09	5.01	
130-139	.24	.37	.34	.04								.99	5.69	
140-149	.22	.24	.29	.04								.79	5.74	
150-159	.25	.44	.40	.08								1.16	5.94	
160-169	.52	1.17	.64	.27	.00							2.61	6.03	
170-179	1.42	2.88	1.11	.18	.00							5.60	5.07	
180-189	1.97	2.64	.77	.02								5.40	4.33	
190-199	2.40	2.93	.65	.01								5.99	4.11	
200-209	1.94	2.76	.79	.04								5.51	4.39	
210-219	1.87	2.28	.80	.13	.60							5.09	4.61	
220-229	1.95	2.22	.91	.22								5.30	4.70	
230-239	2.33	3.17	1.16	.25								6.91	4.69	
240-249	2.52	4.10	1.43	.25								8.31	4.81	
250-259	2.92	3.57	1.24	.23								7.95	4.60	
260-269	2.26	2.39	.98	.13								5.76	4.47	
270-279	1.45	1.32	.54	.06								3.37	4.31	
280-289	.59	.96	.41	.05								2.40	4.40	
290-299	.49	.59	.41	.10								1.53	5.43	
300-309	.36	.71	.51	.18	.02							1.78	6.12	
310-319	.48	1.05	.69	.26	.01							2.48	6.13	
320-329	.90	.83	.62	.12	.01							2.58	5.48	
330-339	.59	.64	.63	.12								2.39	5.06	
340-349	.57	.42	.25	.05								1.31	4.64	
350-359	.50	.50	.09	.01								1.10	3.79	
CALV	2.16											3.18		
TOT	3.18	33.91	43.06	16.84	2.94	.05						100.00	4.62	

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWL 26	MONTHLY	AUG											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.82	.41	.08	.02								1.33	3.26	
10-19	.69	.35	.01	.00								1.05	2.79	
20-29	.57	.24	.03	.02								.86	3.01	
30-39	.39	.31	.03	.00								.74	3.43	
40-49	.34	.33	.06									.73	3.51	
50-59	.26	.37	.06									.69	3.84	
60-69	.33	.56	.15									1.03	4.34	
70-79	.41	.78	.25	.01								1.45	4.54	
80-89	.46	.90	.24	.00								1.61	4.44	
90-99	.41	.71	.15									1.27	4.22	
100-109	.35	.57	.23									1.16	4.47	
110-119	.40	1.04	.19	.01								1.64	4.51	
120-129	.45	.60	.16									1.20	4.29	
130-139	.38	.56	.23									1.17	4.33	
140-149	.34	.37	.30									1.08	4.87	
150-159	.50	.43	.30	.00								1.23	4.31	
160-169	.77	.72	.45	.05								2.00	4.63	
170-179	1.20	1.55	.71	.13								3.59	4.79	
180-189	1.21	1.31	.31	.06								2.89	4.09	
190-199	1.84	1.66	.16	.00								3.66	3.52	
200-209	2.11	1.95	.28									4.34	3.65	
210-219	2.27	2.84	.67									5.77	4.06	
220-229	1.45	2.82	.43	.02								5.77	3.90	
230-239	2.89	2.82	.39	.04								6.13	3.70	
240-249	3.94	3.67	.56	.11								8.28	3.78	
250-259	3.67	2.89	.80	.19								7.55	4.04	
260-269	3.05	2.42	.74	.14								6.36	4.04	
270-279	2.52	1.51	.71	.19	.01							4.93	4.19	
280-289	2.07	1.47	.69	.09								4.53	4.23	
290-299	1.18	.95	.61	.06								2.83	4.53	
300-309	.76	.73	.47	.04								2.00	4.69	
310-319	.68	.99	.39	.04								2.10	4.64	
320-329	.67	.75	.44	.04								1.90	4.84	
330-339	.50	.68	.43	.04								1.66	5.01	
340-349	.53	.66	.25	.02	.00							1.46	4.45	
350-359	.62	.60	.13	.04								1.38	3.94	
CALM	2.64											2.84		
TOT	2.84	42.04	41.51	12.23	1.37	.01						100.00	4.09	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWL 26 ANNUAL

	CALM	1-3	4-5	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOT	AVE SPD
0-5		.79	.69	.36	.29	.02	.00						2.16	5.65
10-15		.65	.63	.33	.35	.04	.00						2.00	6.27
20-29		.55	.75	.36	.25	.03	.00						1.97	5.87
30-39		.57	.83	.33	.11	.01	.00						1.86	5.16
40-49		.47	.79	.36	.05	.00							1.69	5.04
50-59		.39	.67	.41	.04	.00							1.51	5.24
60-69		.38	.65	.49	.04	.00							1.56	5.46
70-79		.48	.67	.35	.03								1.52	4.86
80-89		.52	.76	.25	.06	.00							1.58	4.68
90-99		.43	.69	.27	.12	.00							1.51	5.23
100-109		.40	.77	.29	.14	.02							1.71	5.72
110-119		.40	.76	.44	.08	.02	.00						1.69	5.54
120-129		.40	.61	.52	.05	.00							1.58	5.50
130-139		.38	.43	.43	.08	.00							1.33	5.55
140-149		.32	.35	.45	.30	.00							1.43	6.96
150-159		.45	.50	.51	.36	.02	.00						1.85	6.79
160-169		.59	.83	.53	.22	.01							2.23	5.84
170-179		1.16	1.44	.65	.09	.00	.00		.00				3.35	4.73
180-189		1.40	1.45	.40	.02								3.27	4.07
190-199		1.54	1.77	.41	.02								3.74	4.06
200-209		1.44	1.74	.59	.07	.00							3.83	4.42
210-219		1.59	1.93	.73	.12	.00							4.37	4.64
220-229		1.60	2.08	.73	.12								4.53	4.60
230-239		1.66	2.35	.79	.18	.00							4.98	4.53
240-249		1.99	2.63	1.14	.33	.01	.00						6.10	5.01
250-259		1.90	2.10	1.22	.45	.03	.00						5.71	5.36
260-269		1.52	1.61	1.26	.59	.09	.01	.00					5.07	6.11
270-279		1.20	1.10	.95	.69	.18	.03	.00					4.16	6.96
280-289		.94	.89	.80	.56	.13	.03	.00					3.35	6.97
290-299		.59	.60	.64	.39	.09	.01						2.32	7.04
300-309		.49	.63	.54	.33	.05	.00						2.03	6.71
310-319		.60	.97	.62	.22	.04	.00						2.55	6.25
320-329		.72	.88	.58	.25	.04	.00						2.48	5.85
330-339		.70	.71	.67	.17	.02							2.26	5.65
340-349		.63	.69	.39	.07	.00							1.78	4.88
350-359		.66	.67	.29	.11	.01							1.74	4.89
CALM	3.19												3.19	
TOT	3.19	30.50	37.50	20.25	7.44	.90	.10	.00	.00				100.00	5.37
													162427	

STATION TWH	27	MONTHLY	JAN										TOT	Ave SPD
CALM		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9	.26	1.91	1.36	.50									4.02	6.80
10-19	.23	1.18	2.45	1.19	.01								5.06	8.43
20-29	.20	1.01	3.89	2.11	.03								7.25	9.01
30-39	.20	.82	3.42	1.97	.01								6.43	9.07
40-49	.27	1.01	1.79	.67	.01								3.75	7.58
50-59	.09	.42	.60	.09									1.20	6.93
60-69	.06	.26	.60										.92	6.91
70-79	.08	.23	.35	.03									.68	6.39
80-89	.03	.15	.17		.01								.36	6.48
90-99	.05	.17	.10										.32	5.66
100-109	.03	.27	.05		.01								.36	5.87
110-119	.03	.10	.03										.15	4.83
120-129	.08	.09	.08	.01									.25	5.51
130-139	.03	.13	.27	.01									.44	6.62
140-149		.28	.23										.51	6.23
150-159	.03	.26	.04	.03									.35	6.62
160-169	.06	.23	.10	.03									.42	5.94
170-179	.22	.10	.14	.05									.51	5.27
180-189	.15	.12	.18	.09	.01								.54	6.51
190-199	.33	.15	.23	.05	.24								2.01	11.29
200-209	.55	.29	.67	1.34	.74		17	.17	.06	.04			4.03	13.24
210-219	.99	1.36	1.08	.87	.03								4.31	6.71
220-229	.73	.92	1.14	2.62	.17	.01							5.60	9.56
230-239	.18	.40	1.23	1.88	.26	.01							3.98	10.80
240-249	.20	.42	2.02	.92	.09	.04		.01					3.71	9.31
250-259	.09	.27	1.41	.31	.01								2.69	7.56
260-269	.06	.74	1.29	.13									2.23	7.18
270-279	.04	.63	2.66	.55	.06								3.94	8.43
280-289	.15	1.17	4.90	3.02	.54	.05							9.83	9.87
290-299	.03	.83	3.69	5.81	1.74	.27							12.42	12.19
300-309	.04	.20	1.42	1.75	1.13	.08							4.65	12.78
310-319	.10	.15	.63	.86	.26	.05							2.05	11.72
320-329	.08	.18	.17	.37	.12								.91	10.32
330-339	.12	.18	.19	.29	.04	.01							.83	9.07
340-349	.10	.44	.10	.27	.01								.92	7.80
350-359	.22	1.18	.36	.27	.01								2.04	6.51
CALM	.32												.32	
TOT	.32	6.09	18.90	39.03	29.12	5.57	.69	.18	.06	.04			100.00	9.59

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STATION TAP 27	MONTHLY	FEB											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD	
0-9	.78	1.71	1.13	1.45	.66	.07						5.79	9.01	
10-19	.57	.99	.37	1.11	.72	.10						3.86	10.39	
20-29	.30	.92	.25	.35	.22	.05						2.08	8.18	
30-39	.20	.90	.24	.12	.04	.31						1.51	6.26	
40-49	.15	.60	.18	.04								.97	5.26	
50-59	.12	.33	.15	.04								.63	5.59	
60-69	.06	.22	.16	.03								.47	5.98	
70-79	.04	.13	.05	.01								.23	5.52	
80-89	.07	.09	.15									.31	5.48	
90-99	.08	.27	.30									.65	5.94	
100-109	.10	.21	.14	.01								.45	5.36	
110-119	.10	.08	.14									.32	5.32	
120-129	.08	.05	.10									.24	5.23	
130-139	.15	.07	.04									.27	3.86	
140-149	.20	.16	.04			.00	.00					.40	4.10	
150-159	.28	.46	.13	.01	.01	.04	.01					.96	5.88	
160-169	.35	.71	.35	.02	.20	.25	.03					1.90	9.45	
170-179	.75	1.10	.43	.32	.23	.10	.02					2.95	7.58	
180-189	.52	.59	.19	.39	.14	.02	.00					1.85	7.49	
190-199	.39	.47	.43	.18	.01							1.48	6.12	
200-209	.36	.96	.56	.12	.09	.01	.00	.00				1.96	6.09	
210-219	.29	.77	.84	.06								1.93	6.17	
220-229	.17	.59	1.27	.21								2.24	7.34	
230-239	.10	.60	1.53	.47	.01							2.76	8.14	
240-249	.12	.64	1.97	.34	.01							3.08	7.93	
250-259	.10	.64	1.59	.40	.03							2.75	8.14	
260-269	.20	.62	1.38	.74	.09							3.02	8.60	
270-279	.37	.81	1.67	.79	.13	.01						3.79	8.32	
280-289	.30	.94	2.17	1.32	.21	.01						4.96	8.96	
290-299	.28	.95	2.34	2.07	.40	.03						6.15	9.72	
300-309	.46	1.02	1.96	3.26	.69	.04						7.38	10.51	
310-319	.53	1.29	1.92	3.69	.79	.04						8.46	10.62	
320-329	.69	1.34	2.09	3.09	.40	.01						7.52	9.60	
330-339	.82	1.55	1.65	1.53	.13							5.69	7.93	
340-349	.90	1.76	1.79	.57	.01							5.01	6.45	
350-359	.83	2.01	1.60	.68	.10	.02						5.24	6.82	
CALM	.77											.77		
TOT	.77	11.55	26.43	31.15	23.60	5.14	.83	.07	.00			100.00	8.55	

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION T-427	MONTHLY	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-55	56-63	TOT	AVE SPD
CALV														
0-4		.45	1.53	1.12	.35	.02							3.46	6.47
10-19		.51	1.40	.65	.23	.05	.00						2.88	6.12
20-29		.48	1.66	.83	.63	.25	.04						3.89	7.76
30-39		.35	1.31	1.12	1.53	.71	.07						4.99	10.27
40-49		.32	1.02	1.12	1.72	.60	.06						5.16	10.38
50-59		.29	.87	2.32	1.32	.59	.06						5.06	9.82
60-69		.33	.71	1.60	.76	.24	.05						3.69	8.87
70-79		.42	.60	.74	.30	.05	.01						2.10	6.96
80-89		.48	.64	.41	.08	.00							1.61	5.33
90-99		.50	.61	.35	.02								1.48	4.76
100-109		.46	.75	.45	.02								1.70	4.98
110-119		.40	.85	.65	.03								2.14	5.72
120-129		.52	.79	.60	.05								1.95	5.39
130-139		.48	.66	.50	.04								1.68	5.25
140-149		.59	.55	.60	.08								1.81	5.46
150-159		.50	.40	.12	.02								1.03	4.09
160-169		.49	.39	.01									.93	3.58
170-179		.59	.29	.04									.91	3.15
180-189		.54	.41	.16	.01								1.03	3.55
190-199		.81	.78	.21	.07								1.88	4.31
200-209		.72	1.13	.20	.24	.00							2.90	5.79
210-219		.50	.91	.57	.37		.00						2.26	6.41
220-229		.63	.65	.39	.14	.03							1.89	5.55
230-239		.45	.62	.30	.09	.01							1.47	5.18
240-249		.35	.53	.18	.09								1.45	5.78
250-259		.23	.39	.57	.25	.02							1.69	7.45
260-269		.22	.63	1.08	.29	.02							2.25	7.38
270-279		.15	.63	1.18	.73	.10	.00						2.94	8.71
280-289		.35	.50	1.26	1.58	.18	.01	.00					3.88	9.81
290-299		.48	.71	1.19	1.57	.26	.00						4.21	9.38
300-309		.47	.97	1.36	1.05	.10	.00						3.95	8.24
310-319		.61	1.10	1.43	.96	.12	.04						4.26	7.99
320-329		.59	1.39	1.23	.81	.32	.10						4.64	8.31
330-339		.50	1.66	1.10	.44	.28	.05						4.66	7.26
340-349		.59	1.19	1.50	.38	.14	.05						3.65	7.23
350-359		.47	1.39	1.31	.66	.05	.01						3.92	7.25
CALV		.69											.89	
TOT		.89	17.03	30.68	25.84	17.01	3.99	.55	.00				100.00	7.55

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STATION T-WN 27	MONTHLY	APR											TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56			
0-9	.39	.75	1.33	.53	.01							2.93	7.68	
10-19	.31	.81	.86	.20								2.18	6.58	
20-29	.26	.77	.92	.15								2.12	6.58	
30-39	.34	.85	.80	.15								2.13	6.25	
40-49	.32	.86	.64	.23								2.04	6.42	
50-59	.32	.59	.51	.14								1.56	6.24	
60-69	.38	.94	.74	.22	.01							2.19	6.44	
70-79	.38	.67	.60	.33	.09	.00						2.25	7.32	
80-89	.34	.54	.60	.59	.06	.01						2.45	8.16	
90-99	.44	.62	.96	.73	.17	.01						2.83	8.50	
100-109	.30	.65	.81	.76	.35	.06						2.98	9.83	
110-119	.26	.51	.80	.57	.19	.05						2.37	9.15	
120-129	.27	.39	.69	.43	.11	.03						1.92	8.53	
130-139	.28	.36	.49	.46	.16	.05						1.81	9.30	
140-149	.18	.34	.45	.28	.14	.04						1.43	9.12	
150-159	.19	.19	.55	.12	.02	.01						1.07	7.45	
160-169	.20	.18	.56	.09	.00							.84	6.60	
170-179	.25	.29	.23	.12								.89	5.82	
180-189	.33	.44	.23	.07	.00							1.07	5.23	
190-199	.52	.62	.27	.09								1.49	4.99	
200-209	.39	.44	.12	.06	.03	.00						1.04	5.27	
210-219	.28	.57	.25	.19								1.30	6.21	
220-229	.24	.45	.41	.28	.00							1.39	7.00	
230-239	.20	1.02	1.47	.81	.03							3.53	8.08	
240-249	.25	1.47	3.08	1.27	.04							6.10	8.23	
250-259	.22	1.46	2.19	1.13	.04							5.04	8.14	
260-269	.27	1.33	1.49	1.17	.06	.01						4.33	8.29	
270-279	.31	.85	1.63	1.49	.14	.05	.00					4.52	9.29	
280-289	.28	.52	1.62	2.02	.54	.23	.04	.00				5.26	11.49	
290-299	.25	.53	1.47	2.17	1.10	.57	.07					6.15	13.14	
300-309	.26	.60	.93	2.00	1.13	.51	.03					5.46	13.24	
310-319	.26	.60	.58	1.65	.92	.31	.02					4.35	12.7	
320-329	.25	.67	.93	.98	.31	.14	.01					3.31	10.21	
330-339	.29	.80	1.37	.65	.14	.01	.00					3.26	8.32	
340-349	.27	.93	1.44	.40	.05	.01						3.09	7.59	
350-359	.24	.77	1.47	.51	.03	.00						3.00	7.83	
CALM	.28											.28		
TOT	.28	10.42	24.32	33.72	23.06	5.91	2.11	.18	.00			100.00	9.05	

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STATION	TWH	27	MONTHLY	MAY												
	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE	SPD	
0-9		.18	.35	.03									.61	4.18		
10-19		.29	.54	.18									1.01	4.61		
20-29		.26	1.05	.44	.01								1.76	5.28		
30-39		.26	1.76	.83	.03								2.89	5.64		
40-49		.47	1.25	1.32	.24	.01							3.30	6.39		
50-59		.42	1.00	1.35	.41	.04							3.21	7.06		
60-69		.61	.92	1.25	.60	.03							3.40	7.10		
70-79		.36	.89	.98	.42	.04	.00						2.69	7.12		
80-89		.39	.71	.73	.57	.03							2.47	7.76		
90-99		.21	.59	.88	.95	.14							2.77	9.29		
100-109		.17	.49	.99	.77	.07							2.49	8.96		
110-119		.22	.60	1.35	.39	.02							2.58	7.73		
120-129		.26	.50	1.23	.30								2.29	7.35		
130-139		.29	.64	1.43	.18								2.54	6.94		
140-149		.36	.60	.73	.10								1.79	6.12		
150-159		.36	.76	.90	.17								2.19	6.35		
160-169		.48	.97	.70	.09								2.24	5.58		
170-179		.91	1.38	.58	.06								2.93	4.74		
180-189		1.05	1.65	.67	.05								3.42	4.72		
190-199		1.00	2.21	1.55	.13								4.89	5.53		
200-209		.66	1.15	.98	.17	.02	.00						2.99	5.92		
210-219		.58	.78	1.06	.19								2.60	6.14		
220-229		.40	.75	1.29	.47								2.91	7.21		
230-239		.33	.93	1.45	.64	.02							3.36	7.66		
240-249		.40	1.24	2.00	1.14	.16	.01	.00					4.95	8.37		
250-259		.34	1.17	1.90	1.57	.29	.07	.00					5.34	9.37		
260-269		.24	1.11	1.66	1.22	.24	.07	.01					4.55	9.20		
270-279		.26	1.00	1.91	1.57	.29	.03	.00					5.06	9.51		
280-289		.29	.70	1.28	1.23	.15	.02						3.72	9.45		
290-299		.22	.67	1.11	.69	.08	.00						2.77	8.52		
300-309		.19	.53	.78	.55	.08	.01						2.13	8.41		
310-319		.23	.74	.70	.54	.26	.02						2.47	8.94		
320-329		.21	.43	.40	.54	.31	.03						1.99	10.06		
330-339		.18	.36	.52	.28	.10	.00						1.46	8.32		
340-349		.16	.28	.31	.15	.01	.00						.91	7.05		
350-359		.13	.24	.10	.02								.49	4.93		
CALM	.81												.81			
TOT	.81	13.36	30.94	35.70	16.48	2.43	.27	.02					100.00	7.56		

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWH 27	MONTHLY	JUN											TOT	AVE SPD
	CALM	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56		
0-9		.34	.50	.82	.43	.01							2.09	7.42
10-19		.31	.46	.30	.25	.03							1.34	6.68
20-29		.30	.48	.18	.11	.01							1.14	5.31
30-39		.35	.60	.13	.03								1.18	4.95
40-49		.30	.68	.25	.03								1.32	4.91
50-59		.31	.54	.33	.05								1.24	5.34
60-69		.35	.51	.29	.08								1.23	5.28
70-79		.35	.82	.34	.02								1.53	5.02
80-89		.29	1.12	.57	.01								1.99	5.37
90-99		.30	.93	.49	.04								1.76	5.53
100-109		.27	.97	.61	.11								1.96	5.30
110-119		.21	.69	.74	.25								1.88	6.90
120-129		.18	.40	.63	.28	.00							1.49	7.34
130-139		.16	.31	.57	.26	.01							1.32	7.70
140-149		.19	.34	.66	1.03	.04							2.32	9.76
150-159		.30	.52	.93	1.57	.15	.01						3.48	9.98
160-169		.41	.72	1.12	.75	.08	.00						3.08	8.13
170-179		.79	1.46	1.02	.25	.01							3.54	5.79
180-189		1.09	2.29	.92	.05	.00							4.25	4.94
190-199		1.04	3.27	2.13	.20	.01							6.69	5.74
200-209		1.01	2.54	1.55	.24	.01	.00						5.35	5.65
210-219		.92	2.41	1.04	.17								4.54	5.32
220-229		.72	2.33	1.31	.18								4.53	5.71
230-239		.52	2.01	2.40	.25								5.19	6.52
240-249		.41	2.05	2.55	.24	.03							5.29	6.66
250-259		.45	1.84	1.89	.60	.02							4.79	7.01
260-269		.33	1.24	1.64	.73	.04							3.98	7.63
270-279		.40	.85	1.39	.70	.03	.00						3.36	7.76
280-289		.40	.73	.90	.41	.02		.00					2.47	7.18
290-299		.34	.65	.63	.35	.02	.00						2.03	7.12
300-309		.34	.59	.68	.56	.05							2.22	7.75
310-319		.33	.47	.55	.84	.04							2.68	8.59
320-329		.40	.54	.79	.67	.05	.01						2.45	8.06
330-339		.27	.54	.57	.47	.04	.00						1.90	7.84
340-349		.26	.49	.62	.26	.03							1.65	7.21
350-359		.29	.42	.75	.31	.01	.00						1.78	7.31
CALM	.94												.94	
TOT	.94	15.36	37.31	32.74	12.90	.72	.03	.00					100.00	6.79

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STATION T-W 27	MONTHLY	JUL										TOT	AVE SPD
CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9	.21	.44	.18	.00								.83	4.87
10-19	.20	.64	.19	.01								1.04	4.95
20-29	.24	.67	.21	.02								1.14	5.02
30-39	.19	.48	.31	.02								1.00	5.49
40-49	.19	.37	.21	.02								.79	5.25
50-59	.19	.29	.08	.01								.58	4.53
60-69	.21	.23	.07	.00								.51	4.11
70-79	.34	.36	.08									.78	3.91
80-89	.29	.38	.06									.73	3.98
90-99	.27	.54	.06									.87	4.18
100-109	.27	.60	.33	.01								1.21	5.24
110-119	.23	.78	.62	.07								1.71	6.08
120-129	.24	.47	.53	.15								1.39	6.39
130-139	.29	.34	.33	.11								1.07	5.89
140-149	.27	.35	.31	.07								.99	5.56
150-159	.29	.41	.29	.07	.00							1.06	5.52
160-169	.34	.63	.65	.30	.07							2.12	6.65
170-179	.65	1.56	.65	.30	.07							3.38	5.93
180-189	.95	2.74	1.17	.07	.01							4.89	5.21
190-199	1.62	4.12	2.38	.33								8.35	6.00
200-209	1.01	4.32	3.05	.23	.01							8.66	5.96
210-219	.58	2.45	2.43	.26	.01							5.54	6.20
220-229	.57	2.22	2.15	.44	.05							5.42	6.68
230-239	.53	2.43	2.99	.50	.64							6.49	6.91
240-249	.55	2.68	2.83	.73	.03							6.87	6.99
250-259	.64	2.55	2.22	.62	.01							6.04	6.67
260-269	.66	2.26	2.23	.42	.02							5.61	6.52
270-279	.50	1.54	1.44	.22	.00							3.70	6.18
280-289	.51	1.07	.69	.08	.00							2.36	5.51
290-299	.39	.74	.44	.12								1.69	5.62
300-309	.32	.66	.57	.23	.03							1.80	6.73
310-319	.24	.69	.82	.35	.06							2.16	7.42
320-329	.32	.71	.89	.37	.04							2.33	7.34
330-339	.25	.98	.68	.28	.01							2.20	6.68
340-349	.31	.75	.76	.06								1.48	5.31
350-359	.19	.60	.17	.02								.98	4.91
CALM	2.23											2.23	
TOT	2.23	14.54	43.27	33.12	6.51	.34						100.00	6.16

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWP 27	CALM	MONTHLY	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.43	.82	.58	.03									1.85	5.36
10-19		.31	.58	.32	.02	.00								1.24	5.21
20-29		.24	.41	.17	.03									.85	4.97
30-39		.33	.38	.16	.02									.89	4.51
40-49		.28	.41	.16	.00									.86	4.62
50-59		.24	.35	.15										.73	4.56
60-69		.29	.41	.22	.02									.94	4.95
70-79		.36	.77	.44	.05									1.63	5.31
80-89		.41	.78	.57	.03									1.78	5.43
90-99		.52	.61	.36	.05									1.35	5.30
100-109		.36	.65	.51	.05									1.61	5.56
110-119		.29	.67	.40	.00									1.35	5.20
120-129		.31	.38	.31	.01	.00								1.01	4.95
130-139		.23	.36	.23	.01									.83	4.93
140-149		.26	.29	.28	.00									.93	5.38
150-159		.39	.42	.39	.00									1.20	4.99
160-169		.48	.60	.57	.07									1.72	5.42
170-179		.92	1.09	.70	.10									2.81	5.00
180-189		.76	1.17	.57	.12									2.63	5.08
190-199		1.01	2.07	1.20	.04									4.32	5.17
200-209		1.47	2.81	1.04	.02									5.33	4.81
210-219		1.06	2.14	1.42	.05									4.67	5.36
220-229		.42	2.08	1.76	.10									4.76	5.68
230-239		.84	2.23	2.02	.13									5.25	5.81
240-249		1.06	2.6	1.48	.26	.02								5.43	5.63
250-259		1.30	2.48	1.71	.31	.03								5.33	5.69
260-269		1.49	1.69	1.79	.57	.02								5.35	5.66
270-279		1.56	2.77	1.67	.33	.02								6.36	5.50
280-289		1.45	2.24	1.18	.25	.02								5.14	5.27
290-299		.96	1.87	.98	.14	.02								3.97	5.27
300-309		.74	1.42	.92	.12									3.19	5.43
310-319		.70	1.33	.88	.14	.00								3.12	5.49
320-329		.61	.97	.87	.28									2.63	6.13
330-339		.42	.07	.80	.33	.01								2.24	5.67
340-349		.39	.58	.60	.07	.00								1.65	5.77
350-359		.34	.07	.49	.05	.01								1.56	5.64
CALM	1.97													1.97	
TOT	1.97	23.30	42.74	28.02	3.62	.15								100.00	5.46

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED (KNOTS)
(FROM ONE MINUTE AVERAGES)

STATION TWH 27 ANNU L

	CALM	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	<=56	TOT	AVE SPD
0-9		.37	.89	.75	.39	.09	.01						2.50	7.28
10-19		.35	.78	.43	.29	.10	.01						2.00	7.21
20-29		.37	.64	.54	.25	.06	.01						2.02	6.93
30-39		.79	.87	.69	.34	.11	.01						2.20	7.47
40-49		.30	.74	.62	.34	.09	.01						2.09	7.47
50-59		.26	.56	.64	.27	.08	.01						1.81	7.53
60-69		.31	.53	.60	.23	.04	.01						1.70	6.97
70-79		.32	.59	.46	.14	.02	.00						1.54	6.22
80-89		.31	.61	.46	.16	.02	.00						1.56	6.27
90-99		.30	.60	.44	.22	.04	.00						1.59	6.74
100-109		.27	.63	.57	.21	.06	.01						1.71	7.02
110-119		.24	.60	.68	.18	.03	.01						1.72	6.89
120-129		.26	.42	.57	.17	.01	.00						1.43	6.76
130-139		.26	.39	.50	.15	.02	.01						1.32	6.80
140-149		.23	.37	.45	.26	.02	.01	.00					1.40	7.26
150-159		.32	.45	.47	.33	.03	.01	.00					1.60	7.35
160-169		.38	.62	.55	.22	.04	.03	.00					1.85	6.92
170-179		.68	1.03	.66	.17	.03	.01	.00					2.48	5.69
180-189		.75	1.37	.54	.10	.02	.00	.00					2.79	5.16
190-199		.33	2.01	1.21	.19	.01							4.35	5.71
200-209		.91	1.96	1.23	.21	.04	.01	.01	.00	.00			4.27	5.93
210-219		.64	1.52	1.06	.27	.00	.00						3.45	5.90
220-229		.53	1.37	1.25	.34	.02	.00						3.51	6.49
230-239		.42	1.43	1.78	.46	.02	.00						4.12	7.00
240-249		.43	1.61	2.10	.57	.04	.00	.00					4.76	7.19
250-259		.45	1.52	1.75	.67	.05	.01	.00					4.45	7.35
260-269		.46	1.40	1.61	.67	.06	.01	.00					4.21	7.38
270-279		.49	1.17	1.57	.60	.06	.01	.00					4.14	7.76
280-289		.49	.94	1.33	1.01	.16	.04	.01	.00				4.03	8.54
290-299		.41	.85	1.20	1.14	.30	.06	.01					3.98	9.46
300-309		.33	.78	1.01	1.07	.29	.07	.00					3.62	9.49
310-319		.41	.63	1.01	1.13	.28	.05	.00					3.73	9.33
320-329		.42	.81	1.02	.90	.19	.04	.00					3.38	8.70
330-339		.39	.90	.90	.54	.09	.01	.00					2.83	7.60
340-349		.39	.82	.66	.26	.03	.01						2.41	6.78
350-359		.34	.85	.80	.32	.03	.01						2.35	6.86
CALM	1.13												1.13	
TOT	1.13	14.83	33.65	32.34	14.90	2.67	.50	.04	.00	.00			100.00	7.32
												218521		