

**2007 ANNUAL SUMMARY
BOOTHBAY HARBOR ENVIRONMENTAL DATA**

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Environmental Monitoring Project
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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
SOLAR RADIATION													
Ly/min													
Averages													
Daily Maximum	0.12	0.17	0.23	0.35	0.43	0.28	0.27	0.26	0.27	0.27	0.13	0.11	0.25
Daily (24 hr.)	0.06	0.11	0.17	0.19	0.15	0.15	0.19	0.12	0.16	0.08	0.07	0.06	0.12
Extreme													
Highest	0.82	1.01	0.77	0.85	1.13	1.28	1.06	0.92	1.05	0.84	0.68	0.71	1.28
Date	31	18	15	05	24	11	23	12	28	29	23	23	Jun 11
BAROMETRIC PRESSURE													
mb													
Average Daily	1022.8	1017.6	1026.4	1020.2	1026.8	1021.8	1022.7	1023.7	1027.8	1028.5	1025.7	1027.5	1024.3
Extremes													
Highest	1051.0	1037.0	1052.0	1035.0	1042.0	1032.0	1035.0	1035.0	1045.0	1045.0	1046.0	1048.0	1052.0
Date	17	13	21	01	23	05	23	22	11	01	19	01	Mar 21
Lowest	1002.0	986.0	1003.0	1000.0	1012.0	1002.0	1011.0	1008.0	1007.0	1006.0	996.0	979.0	979.0
Date	06	15	04	16	20	13	26	08	30	20	16	26	Dec 26
BAROMETRIC PRESSURE													
inches Hg													
Average Daily	30.17	30.02	30.27	30.10	30.29	30.14	30.16	30.19	30.32	30.34	30.24	30.31	30.21
Extremes													
Highest	31.00	30.59	31.03	30.53	30.73	30.44	30.53	30.53	30.82	30.82	30.85	30.91	31.03
Date	17	13	21	01	23	05	23	22	11	01	19	01	Mar 21
Lowest	29.55	29.08	28.58	29.00	29.85	29.55	29.82	29.73	29.70	29.67	28.38	28.88	28.88
Date	06	15	04	16	20	13	26	08	30	20	16	26	Dec 26
PRECIPITATION (water equiv.)													
inches													
Total Daily	3.26	2.11	5.89	8.38	3.26	3.77	3.85	2.86	2.53	6.40	3.70	3.71	49.71
Extreme													
Greatest	0.98	1.65	3.14	2.97	1.11	1.95	1.04	1.36	1.13	2.56	1.02	1.00	3.14
Date	02	15	17	16	22	04	16	07	12	15	28	27	Mar 17
WIND													
vlg Resultant													
Direction	174.9	238.2	257.6	169.6	175.8	204.4	227.0	181.7	231.0	183.6	196.7	190.6	202.1
Speed M.P.H.	7.4	7.8	6.7	6.8	4.7	3.9	2.5	2.6	3.1	3.4	6.1	6.4	5.1
vlg Scalar													
Speed M.P.H.	8.8	9.1	8.5	8.9	6.6	5.6	3.9	4.3	4.5	4.7	7.5	8.0	6.7
Max Gust													
Speed M.P.H.	43.8	43.2	47.0	58.1	35.7	32.9	25.0	32.1	28.7	23.5	46.2	48.6	58.1
Date	02	19	02	16	02	06	02	06	04	26	03	16	Apr 16

NOTES

All temperatures computations are performed in Celsius units. Fahrenheit values are calculated from unrounded Celsius values.

'M' indicates a missing value- >33% of the time period had invalid data.

Primary sensors are scanned at (approximately) 10 second intervals. Daily values may be either a) The 24 hour average of all such samples or b) the 24 hour average of 120 averages. The two calculations tend to be identical at the levels of precision reported. Averages for periods greater than one day are based on daily averages (except resultant wind).

The Resultant Wind Speed and Direction define the vector average wind for a period. The values are calculated from the vector averaged direction and scalar averaged speed reported at hourly intervals.

Any corrections to the Annual Summary will be published in future editions.

quiries about these data should be addressed to the Environmental Monitoring Project Leader, Maine Department of Marine Resources, Marine Science Laboratory, West Boothbay Harbor, Maine, 04575. Tel: (207) 633-9500.