

April, 2002

Abstract

Assateague Island National Seashore (ASIS) continued the operation of four weather data collection stations in Maryland during 2001 as part of its long-term meteorological monitoring program. The Remote Automatic Weather Station (RAWS) continued to be utilized as the Seashore's primary source of weather data. Three additional limited collection stations were maintained as sources of back-up data at ASIS Headquarters, the North Beach Ranger Station, and the Assateague Island State Park Headquarters. All data were retrieved on a monthly basis, processed into summary reports, and submitted to the National Weather Service (NWS), the Maryland Department of the Environment (MDE), and other interested parties. This annual report presents a graphical compilation of RAWS data and documents significant weather events in the 2001 monitoring year at ASIS.

Introduction

Barrier island ecosystems such as that encompassed by Assateague Island National Seashore are continually influenced by meteorological events. Weather drives basic physical processes which shape the coastal environment; and extreme events, such as hurricanes and nor'easters, can dramatically modify the geomorphology and character of the island. Weather phenomena also exert a powerful force over the composition, distribution, and dynamics of the island's diverse biotic communities. In order to document ambient weather conditions and weather-related phenomena, ASIS implemented a formal monitoring program in 1988. This program is intended to provide information that will assist in management decision-making and in better understanding the Assateague environment. The primary objectives of the ASIS Weather Monitoring Program are to:

1. develop a long term record of climatological conditions on Assateague Island;
2. document meteorological conditions during extreme weather events, and;
3. develop meteorological data for other local/regional monitoring programs.

In 2001, meteorological data were collected at four specific locations within, and just outside, the boundaries of ASIS (Figure 1). The primary data were collected at the Remote Automatic Weather Station (RAWS). Three limited-capability data collection stations were maintained as sources of backup data to RAWS at: the North Beach Ranger Station, ASIS Headquarters, and the Assateague State Park Headquarters field (adjacent to the ASIS housing area on the mainland). Data collection and monitoring parameters vary at each station and are described in the following section.

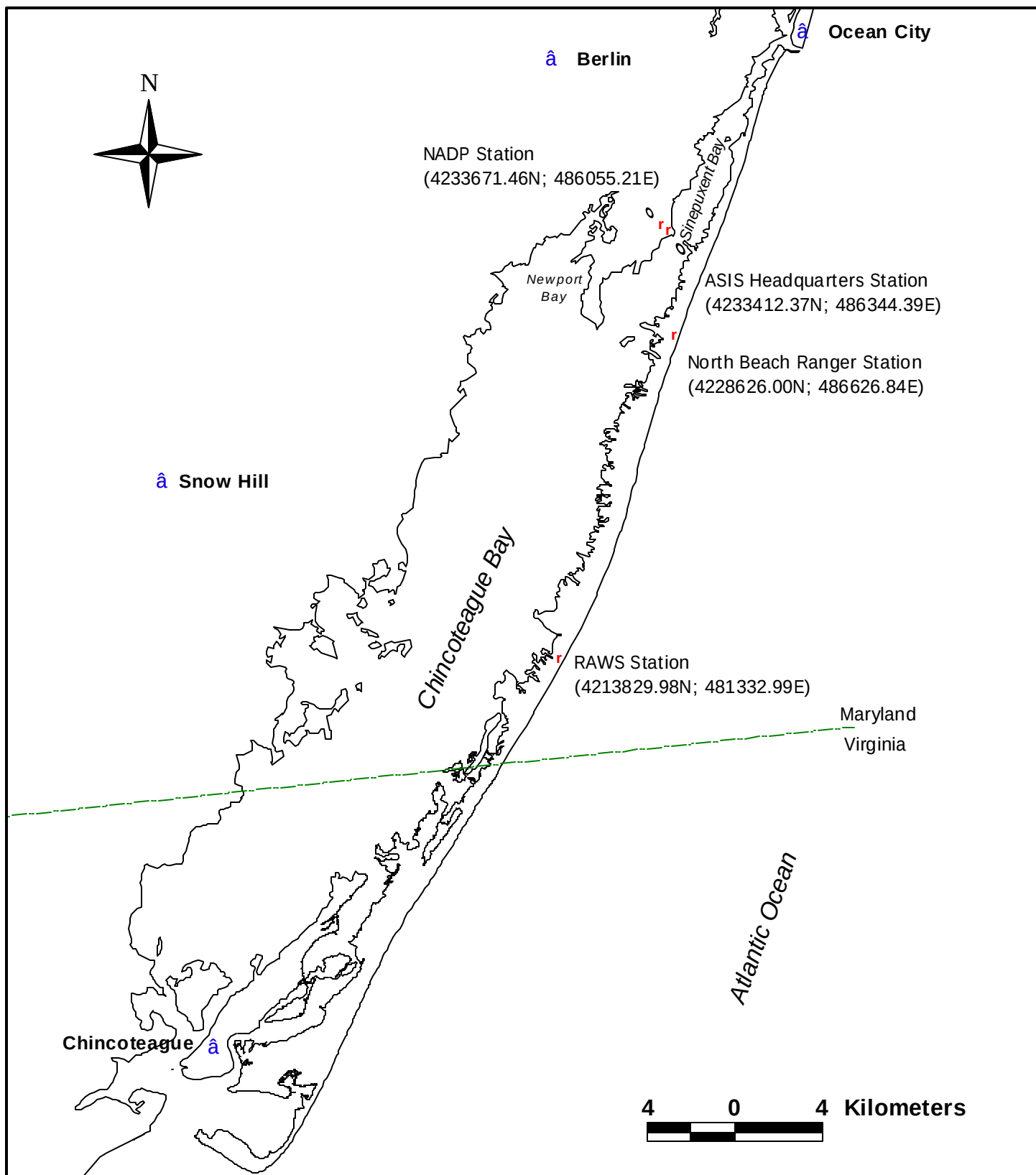


Figure 1. ASIS weather data collection stations

Monitoring Equipment and Methodologies

RAWS

Established on Assateague in late 1991, the RAWS is a Handar, Inc. instrument consisting of a standardized data collection platform configured to Bureau of Land Management – National Interagency Fire Center (BLM–NIFC) specifications for fire weather data collection. The current data collection platform continuously samples and records data for eight meteorological parameters at intervals ranging from 1 second to 1 hour (data collection hours run from 39 minutes past). RAWS data are converted from Greenwich Mean Time (GMT) into a standard of **GMT - 6** hours – or, effectively, Eastern Standard Time less one hour – year-round. Complete datasets are transmitted to NIFC every 3 hours starting at 01:39 GMT. Table 1 displays the current configurations of the fifteen measurements (or, “channels”) collected by the ASIS RAWS; the *Results and Discussion* section describes data issues related to RAWS configuration.

RAWS data are retrieved on-site monthly, then processed and reported to the National Weather Service (NWS) in a standard monthly report (see Table 2, sample NOAA/NWS report). Processed data are then saved in a Microsoft Access database under the RAWS subdirectory on the proper staff PC hard drive, while a periodically-updated copy of this database is provided in the ASIS Electronic Library (‘RAWS’; in Atmospheric Resources\Meteorology\Data and Information). A BLM-NIFC website provides RAWS data for the previous 90 days, thereby serving as a backup data source to monthly downloads. This site is currently available to all Resource Management Personnel. Routine maintenance, which includes visual inspection of the station on a monthly basis (at the data downloads), and the biannual replacement of all sensors, was performed in 2001. Replacement sensors are supplied by the BLM–NIFC Remote Sensing Support Group Depot Facility, and installed by ASIS personnel.

North Beach Ranger Station

A Weather Wizard III System, manufactured by Davis Instruments, continued to serve as the weather data collection platform at the North Beach Ranger Station in 2001. This automated system is equipped with an anemometer, temperature sensor, and tipping bucket rain gauge. System software samples wind speed, wind direction, and temperature every 30 seconds, then averages and stores these data on an hourly basis. Data are downloaded monthly, converted to text format, and maintained on the appropriate staff PC in the “PCLINK” subdirectory and on diskette with the ASIS Resource Management data files under Resource Identification Number (RIN) 13.

ASIS Headquarters

Rainfall is monitored at the ASIS Headquarters (HQ) station with a manual, “All-Weather” funnel-and-tube gauge. Rainfall amounts are measured daily at 4:00 PM to the nearest 100th of an inch and recorded on an annual precipitation log maintained in the Resource Management Office. Snowfall is also recorded at this station, and the values

are appended to the RAWS database (RAWS does not measure snow), and subsequently reported to NWS. ASIS HQ data are reported to the Maryland Department of the Environment and to the Worcester County Environmental Program for use in evaluating the need for closures within regional shellfish harvest areas. At the end of the year, the original copy of the precipitation record is stored in the ASIS Resource Management data files under RIN 13.02.103, and a digital copy is produced and stored on the appropriate PC hard drive.

Assateague State Park/Woodcock Field

In operation since September 2000, a Belfort Universal Recording Rain Gauge is checked weekly with NADP (National Atmospheric Deposition Program) precipitation sample collections. This system provides useful backup data to the HQ gauge as it is situated only one-quarter of a mile further west on State land. An additional benefit of this type of rain gauge is its dual recording function: accumulation is coordinated with the time and duration of the precipitation event on paper charts. Currently, hard copies of the weekly gauge charts are retained for two years per NADP directions. Precipitation totals (sans event records) and atmospheric deposition data are available on the NADP website, < <http://nadp.sws.uiuc.edu> > (NOTE: there is a 5-6 month lag in data availability).

Parameter	Units	Period of Primary Data Collection	Interval of Primary Data Collection	Total # of Primary Data Collected	Primary Data Processing Function
Rainfall	inches	1 hour	when bucket tips	variable	sums value of tips then logs
Avg. Air Temp.	degrees (F)	1 hour	1 hour	1	logs current value
Max. Air Temp.	degrees (F)	12 hours	5 minutes	144	takes maximum then logs
Min. Air Temp.	degrees (F)	12 hours	5 minutes	144	takes minimum then logs
Avg. Wind Speed	miles/hour	last 10 minutes of each hour	1 second	600	averages then logs
Avg. Wind Direct.	degrees	last 10 minutes of each hour	1 second	600	averages then logs
Max. Wind Gust	miles/hour	1 hour	1 second	3600	takes maximum then logs
Max. Gust Direct.	degrees	1 hour	1 second	3600	selects match to maximum then logs
Barometric Pressure	inches of Hg	1 hour	1 hour	1	logs current value
Relative Humidity	percent	last 10 minutes of each hour	1 second	600	averages then logs
Max Relative Humidity	percent	12 hours	5 minutes	144	takes maximum then logs
Min Relative Humidity	percent	12 hours	5 minutes	144	takes minimum then logs
Fuel Temp.	degrees (F)	1 hour	1 hour	1	logs current value
Fuel Moisture	percent	1 hour	1 hour	1	logs current value
Battery Voltage	volts	1 hour	1 hour	1	logs current value

Table 1. Hourly measures collected by ASIS RAWs.

RECORD OF CLIMATOLOGICAL OBSERVATIONS - submitted to NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

(In lieu of form B-91)

STATION: Remote Automatic Weather Station, Assateague Island National Seashore, Worcester county, Maryland

STATION NUMBER 180335-1

STATION LOCATION: 4213829.98 N 481332.99 E (UTM Zone 18, NAD-83)

Data are daily summaries of hourly values, from midnight to midnight.

For more information contact: Natural Resources Management
Assateague Island National Seashore
7206 National Seashore Lane
Berlin, MD 21811 (410) 641-1443

Eastern Standard Time

Year: 2001 Month: June

Date	Air Temp 24-hour maximum [F]	Air Temp 24-hour minimum [F]	Air Temp 24-hour average [F]	Rain 24-hour increase [inches]	Wind Speed 24-hour average [mph]	Wind Speed 24-hour maximum [mph]	Snow 24-hour increase [inches]
06/01/2001	70	47	64	0.05	11.3	32	0.00
06/02/2001	74	63	68	0.08	8.9	21	0.00
06/03/2001	80	63	71	0.00	8.6	26	0.00
06/04/2001	78	62	69	0.10	7.0	20	0.00
06/05/2001	75	59	67	0.37	6.0	19	0.00
06/06/2001	80	64	70	0.46	5.1	18	0.00
06/07/2001	71	63	65	0.14	6.9	18	0.00
06/08/2001	80	58	70	0.00	4.8	10	0.00
06/09/2001	79	62	72	0.00	6.1	12	0.00
06/10/2001	86	64	74	0.00	6.2	15	0.00
06/11/2001	81	62	74	0.00	8.7	20	0.00
06/12/2001	88	68	76	0.00	6.4	17	0.00
06/13/2001	86	67	75	0.00	5.0	14	0.00
06/14/2001	83	68	76	0.00	9.8	19	0.00
06/15/2001	83	73	77	0.00	12.5	22	0.00
06/16/2001	82	74	76	0.38	13.0	35	0.00
06/17/2001	89	70	77	0.11	9.8	34	0.00
06/18/2001	83	68	75	0.00	7.3	24	0.00
06/19/2001	82	59	74	0.00	6.5	15	0.00
06/20/2001	83	70	76	0.00	8.8	19	0.00
06/21/2001	83	71	76	0.00	7.8	15	0.00
06/22/2001	85	70	77	0.00	7.3	16	0.00
06/23/2001	81	72	74	1.13	8.0	29	0.00
06/24/2001	78	68	70	0.00	5.1	13	0.00
06/25/2001	81	62	73	0.00	6.3	20	0.00
06/26/2001	88	63	76	0.00	5.4	12	0.00
06/27/2001	89	67	79	0.00	6.6	18	0.00
06/28/2001	94	73	83	0.00	5.2	13	0.00
06/29/2001	90	74	82	0.00	4.4	9	0.00
06/30/2001	94	75	83	0.00	8.6	25	0.00
Summary	94	47	74	2.82	7.4	35	0.0

Table 2. Sample NOAA/NWS Report

Results and Discussion

Storm Activity

While 2001 was an active Tropical Storm season, Assateague Island was spared any major storm impacts. According to the NOAA online magazine, *noaanews* (December 2001), 2001 was the fifth most active season since 1871: there were 15 named tropical storms; 9 of these developed into hurricanes, of which 4 were categorized as “major”. Tropical storm seasons are tending towards greater activity in the last seven years after twenty-plus years of below-average activity; however, as noted in the article, “the contiguous United States has not been hit directly by a hurricane now for the past two years.” Most significantly in 2001, Tropical Storms Allison and Barry caused extensive flooding along the Gulf Coast states, ending drought conditions in that region (Department of Commerce, NOAA).

Overall, the 2001 year proved to be relatively calm in terms of nor’easters as well. Noteworthy, however, was widespread overwash on the ASIS North end – particularly the 1-2 Km directly North of the state park – produced by a system with high northeasterly winds and extreme water levels from September 30 to October 01.

Drought

RAWS collected 30.4 inches of precipitation in 2001. This is the lowest yearly total since the institution of the RAWS monitoring program at ASIS in 1992 – the lowest previous was 32.85 inches in 1995. Total precipitation at the HQ station was 30.82 inches (includes melt-water of 2.93 inches of snow); and the Belfort gauge at the NADP site recorded 30.33 inches. The Maryland Department of the Environment (MDE) reported on the drought situation for the Eastern monitoring region, including Worcester County, on the department website (Maryland Department of the Environment, Dec. 2001):

The overall status of the available hydrologic indicators shows drought emergency conditions. After considering the relative abundance of water in the shallow aquifers, the status of water utilities and season of year, an emergency declaration for the eastern region was not justified. The overall drought status for the eastern region as of the end of December has changed from watch (from November) to **warning**. Precipitation improved in December when compared to previous two months but was still below normal. Precipitation levels indicate emergency conditions for the past four months, but normal over the past twelve months. Ground water levels ranged from watch to emergency status. Wells used for long-term observation in the lower shore tended to be in the lower part of their range than those in the middle shore.

According to NOAA (*noaanews*, December 2001), drought was felt along the Eastern seaboard and in the West because an atmospheric circulation pattern during the winter of 2000-01 deflected storm systems away from the West and “inhibited the flow of Gulf

moisture from the Eastern States”; Wildland fire activity was near-average Nationwide although Florida, Nevada, Washington, and Oregon had above-normal activity; and in the fall, Drought conditions worsened on the East coast due to the lack of Gulf moisture and Tropical activity (Department of Commerce, NOAA). See Figure 2 to view the comparison of the fall 2001 monthly precipitation totals at Assateague to the previous nine-year average. Noteworthy is the absence of precipitation in November, and the markedly reduced totals for September and October.

RAWS

Hardware

Sensors were replaced in February and November of 2001. The DCP (Data Collection Platform) was also replaced in February because of excessive wear of the steel shell. The laptop computer used for downloading was unable to communicate properly with the new DCP at its higher baud rate, resulting in the loss of about 75 hours of wind data in the month of April. A newer laptop was substituted for all future downloads. In June, the new DCP had to be replaced because of a faulty transmitter which produced incomplete and spotty datasets on the website (though data were saved to the DCP in full).

After about two years of disruption, the sensor change schedule will be returned to the standard May/November interval. It is possible that the malfunctioning of the Relative Humidity (RH) sensor was a consequence of the extended interval between sensor changes. RH readings were invalid (a constant 3%, archived as “missing data” - see Monthly Summaries in Appendix B) from September 23 until October 25 when the sensor was replaced.

Programming and Database Details

Details of the reconfiguration of the Maximum and Minimum Temperature and RH channels were covered in the 2000 Meteorological Monitoring Report. An oversight occurred at the time of re-programming that resulted in the misrepresentation of daily maximum and minimum temperature values. When consulting with NIFC personnel, the 12-hour intervals were discussed in terms of usefulness to managers (E.g., fire officers). At the time of programming, it was overlooked that using an 8:00AM/8:00PM interval, for example, would result in misallocation of these values after data processing. The EXCEL Macro simply takes the values given in a certain day and reports them as such. Therefore, the Maximum temperature, for example, on a particular day is based on readings starting from 08:00PM the previous day. Several time intervals were programmed until the oversight was identified. Below, Table 3 defines the reporting errors:

DATES	TIME INTERVAL (GMT-6 FORMAT)	RESULTING OVERLAP
08-06-00 to 02-01-01	05:00AM/05:00PM	7 hours into previous day
02-02-01 to 02-06-01	No Values recorded due to a programming error	
02-06-01 to 06-04-01	10:00AM/10:00PM	2 hours into previous day
06-05-01 to 11-04-01	05:00AM/05:00PM	7 hours into previous day
11-05-01 to 12-31-01	11:00AM/11:00PM	1 hour into previous day

Table 3. Maximum and Minimum Values Reporting Errors, 2000 – 2001

These reporting errors do not apply to RH Maximum and Minimum values; they were taken from the “Relative Humidity” dataset as the EXCEL processing Macro was not adjusted to account for the two new channels. Therefore, reporting in this parameter was unchanged from original configuration – it *was* under-represented, however.

Reporting in 2002 will be modified to draw from the proper channels as well as from the proper 24-hour intervals.

More Data Notes

A possible programming oversight resulted in the loss of data from December 03 (partial), 04, 05, and 06 (partial) (see December 2001 summary table, page 38). There are erroneous maximum Barometric Pressure (BP) readings: 02-08, 32.36” at hr. 9 and 06-06, 32.30” at hr 24 (see Appendix A charts, page 22).

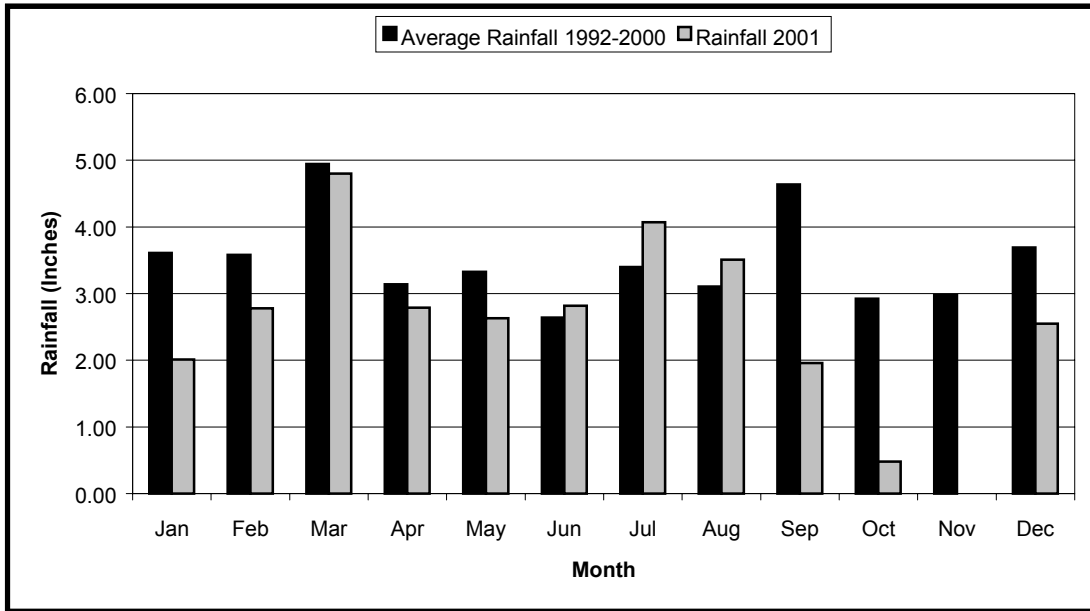


Figure 2. ASIS RAWS monthly rainfall for 2001 compared to average rainfall for the period 1992-2000.

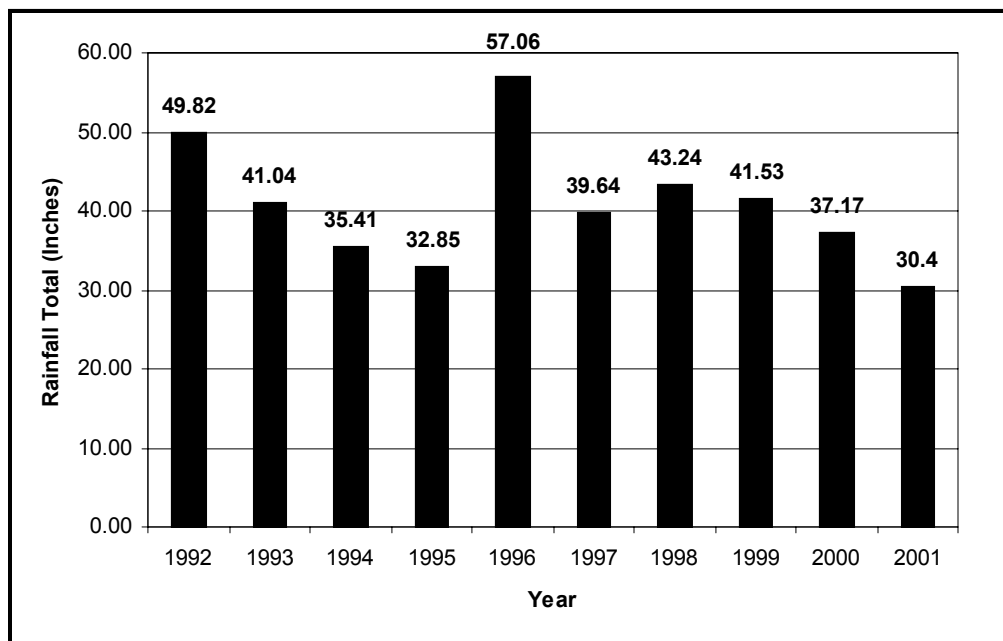


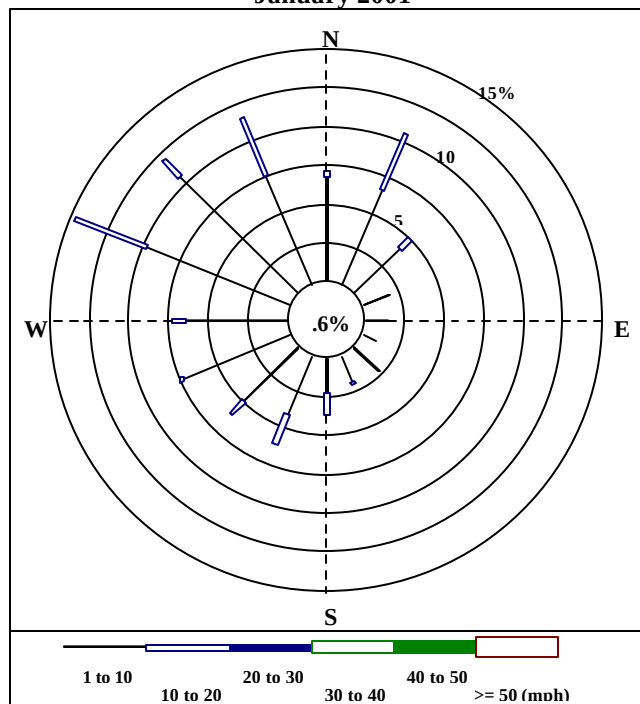
Figure 3. ASIS RAWS annual rainfall for 1992-2001.

Appendix A – 2001 Graphics

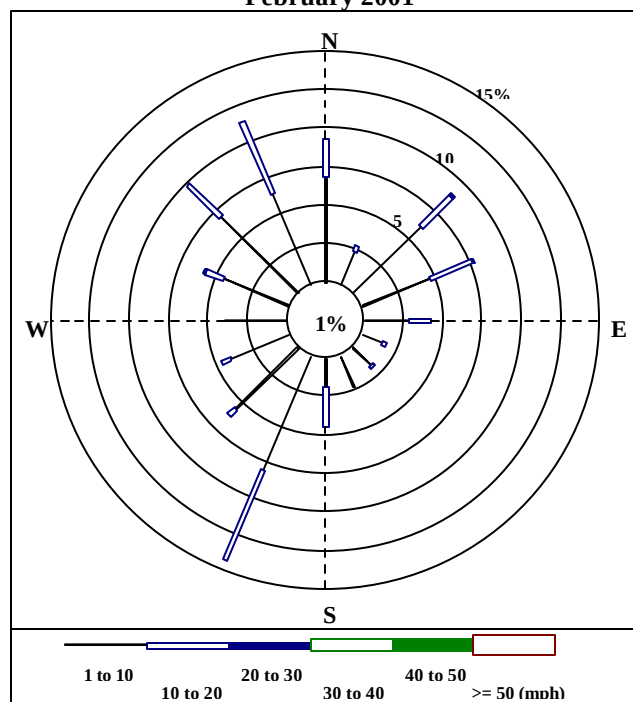
The monthly compilations of graphical data presented on the following pages are daily summaries of the RAWS hourly data for each parameter recorded by ASIS RAWS. When the RAWS sensors were disconnected for servicing, data from the North Beach station or ASIS Headquarters station were substituted for missing RAWS data.

Assateague Island National Seashore Windroses Average Wind Speed (MPH) and Direction, Compiled Hourly

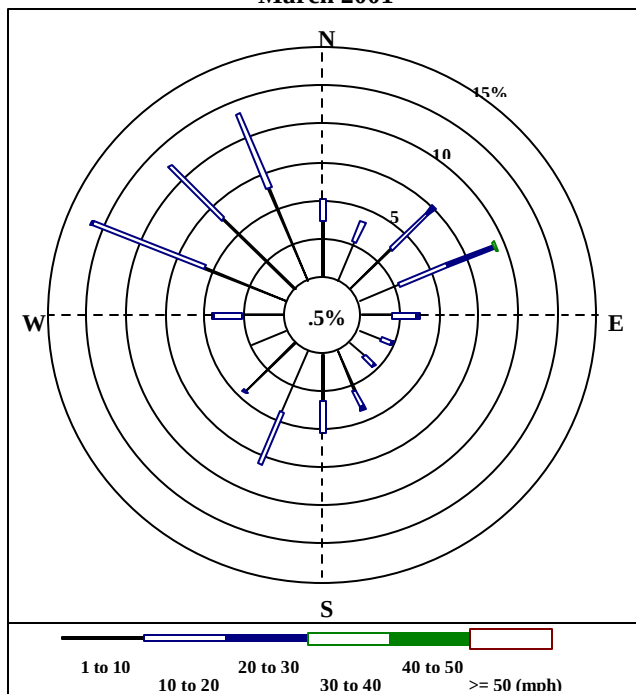
January 2001



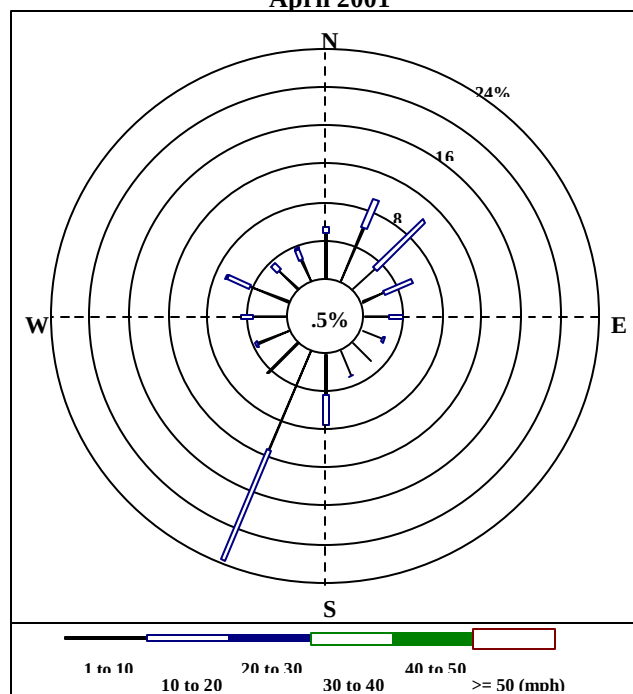
February 2001



March 2001



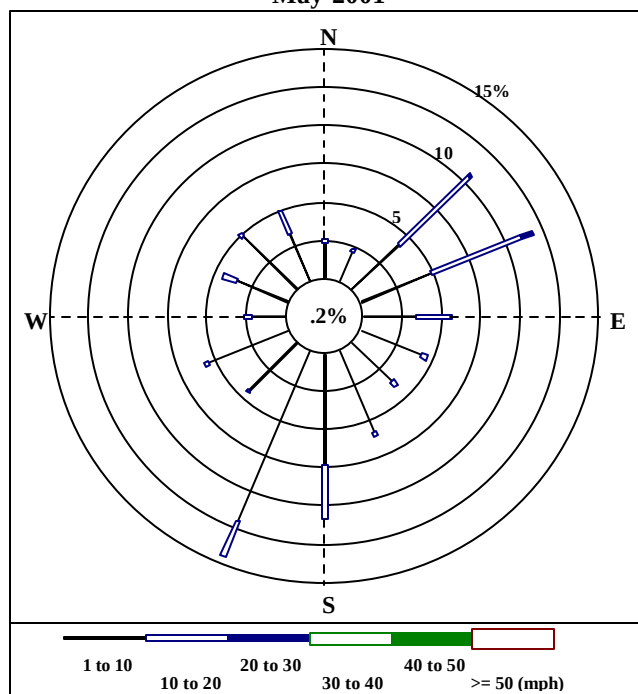
April 2001



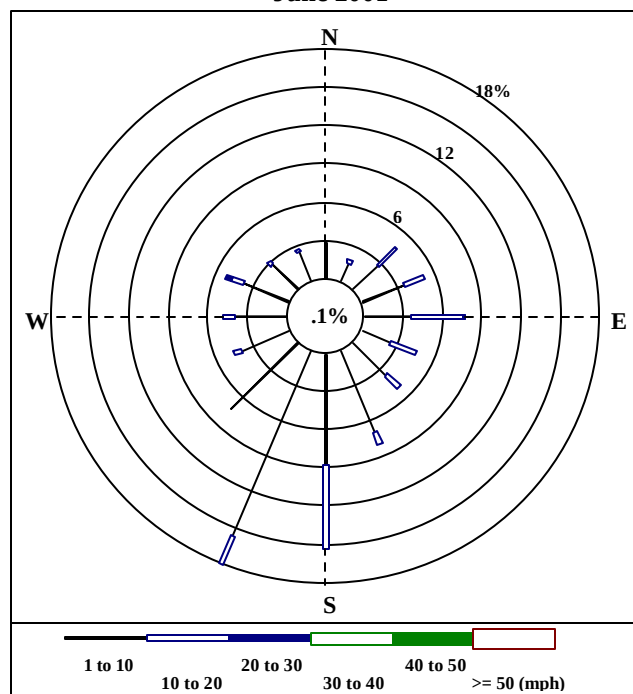
The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

Assateague Island National Seashore Windroses Average Wind Speed (MPH) and Direction, Compiled Hourly

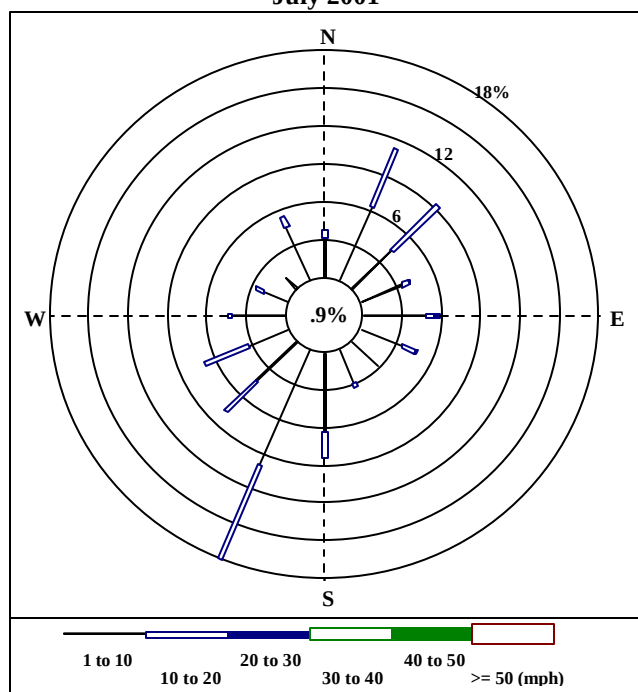
May 2001



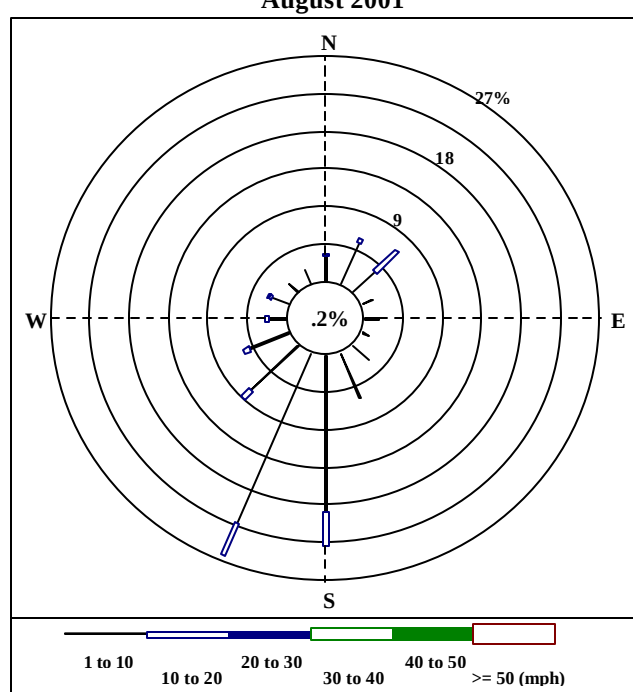
June 2001



July 2001



August 2001

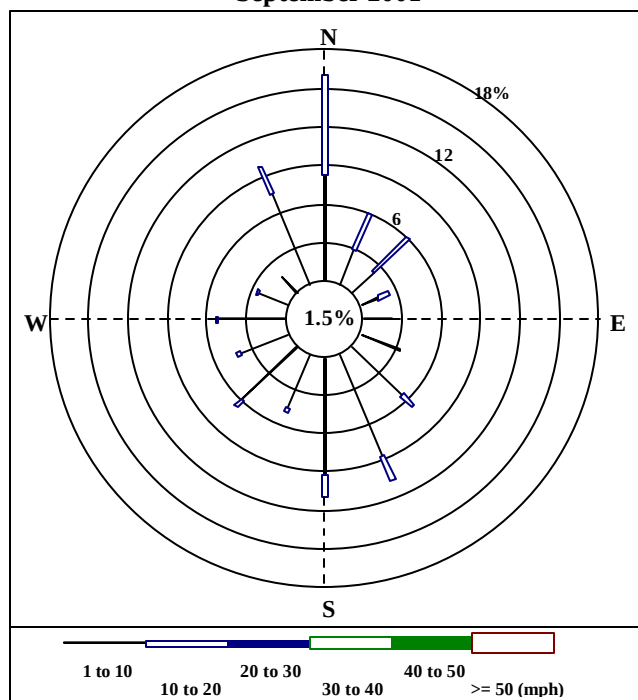


The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

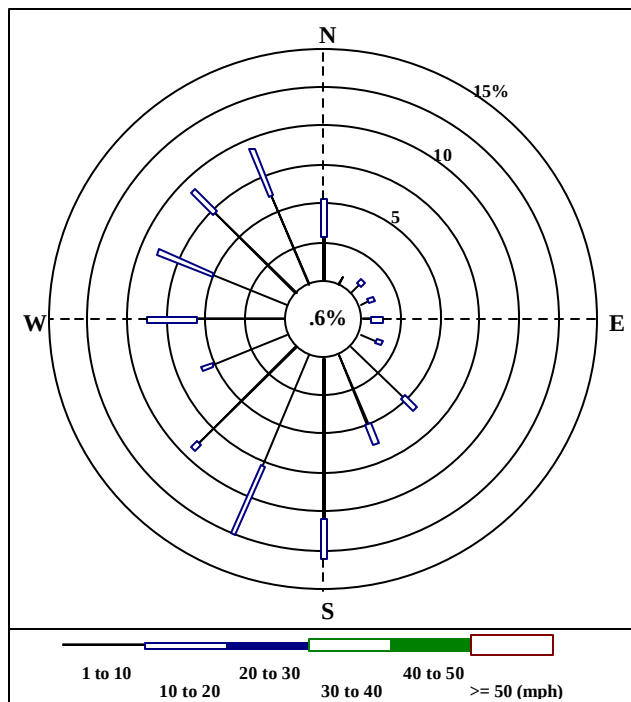
Assateague Island National Seashore Windroses

Average Wind Speed (MPH) and Direction, Compiled Hourly

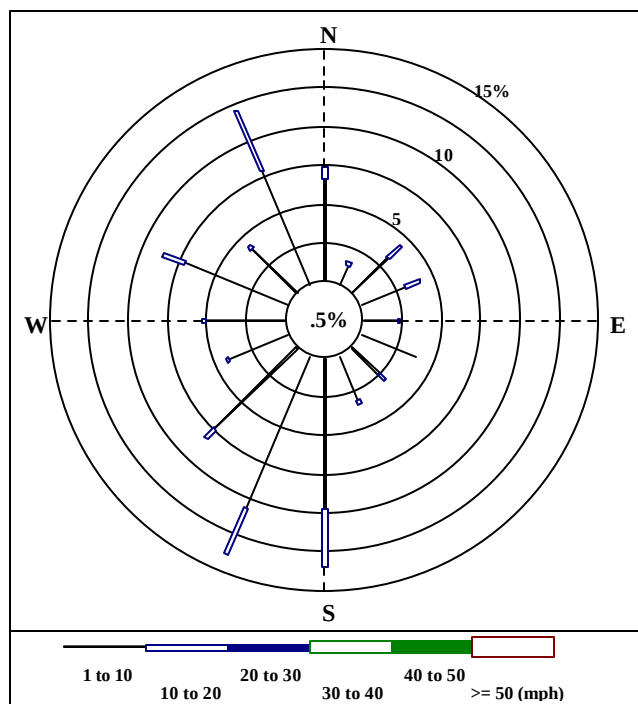
September 2001



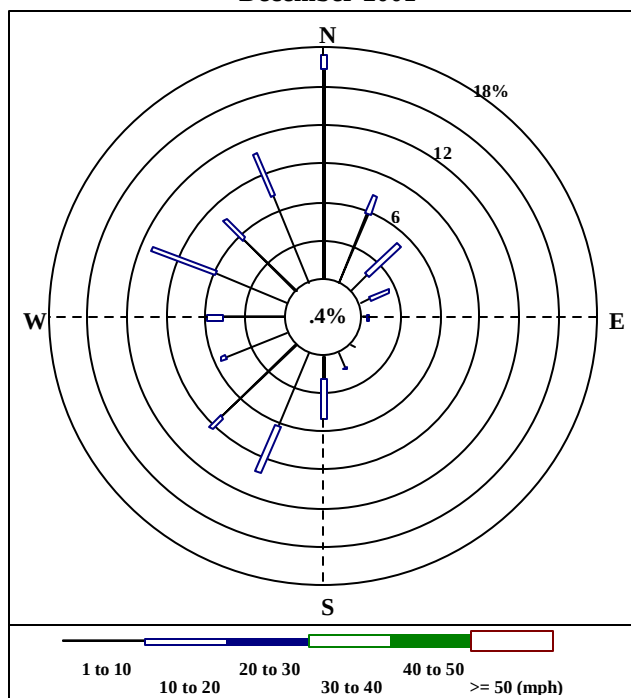
October 2001



November 2001



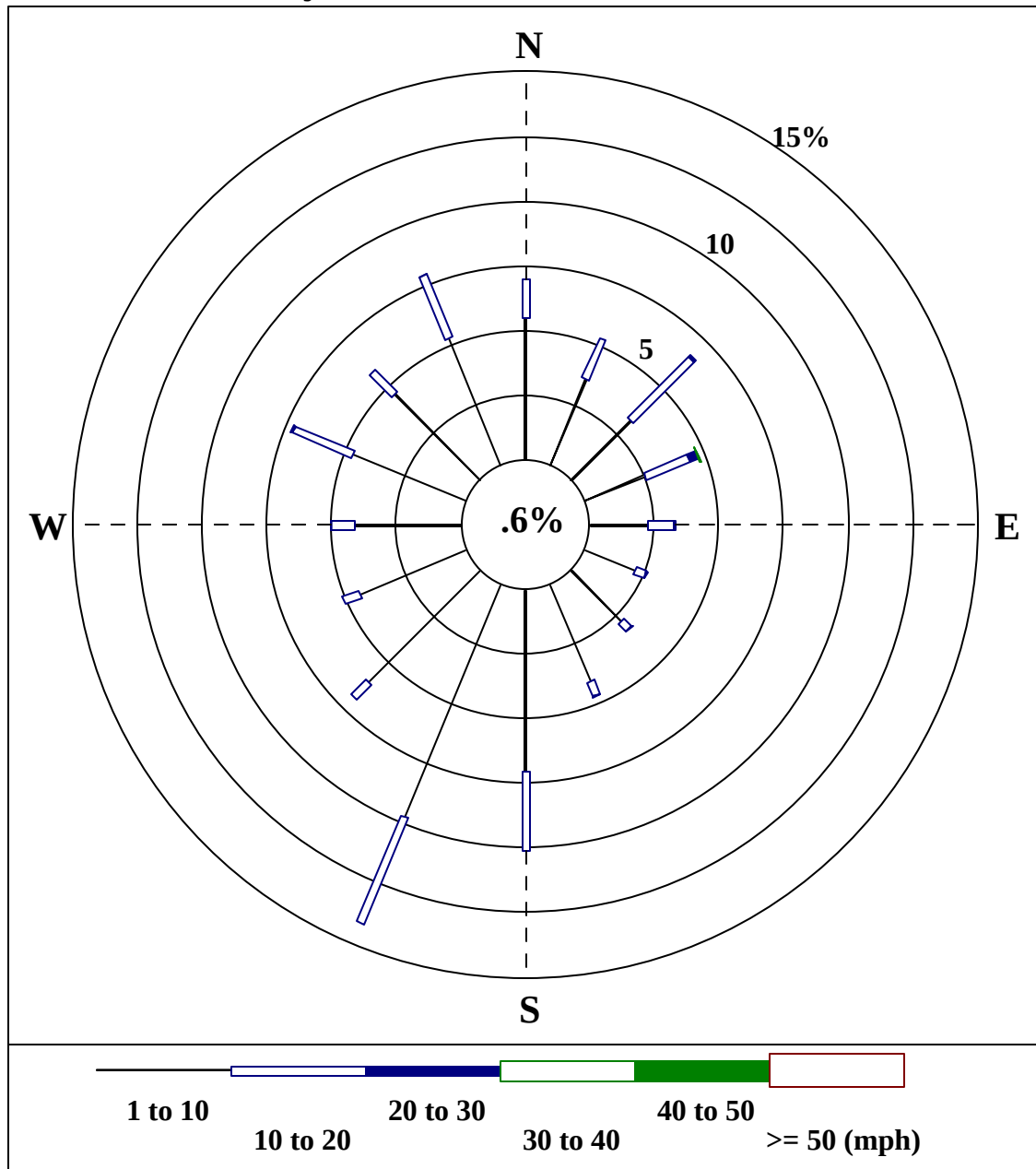
December 2001



The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

Assateague Island National Seashore Windroses
Average Wind Speed (MPH) and Direction, Compiled Hourly

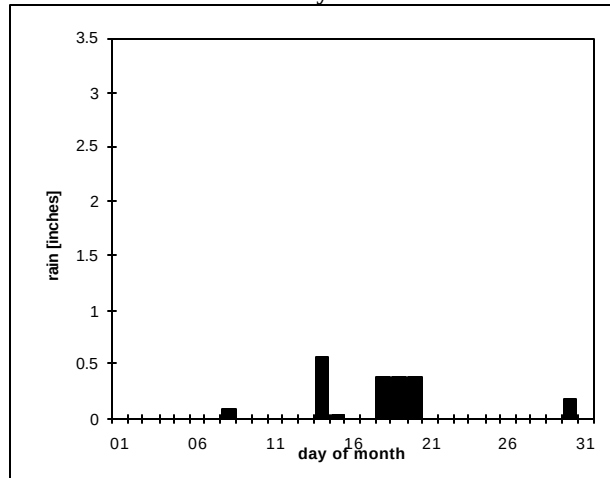
January 01, 2001 – December 31, 2001



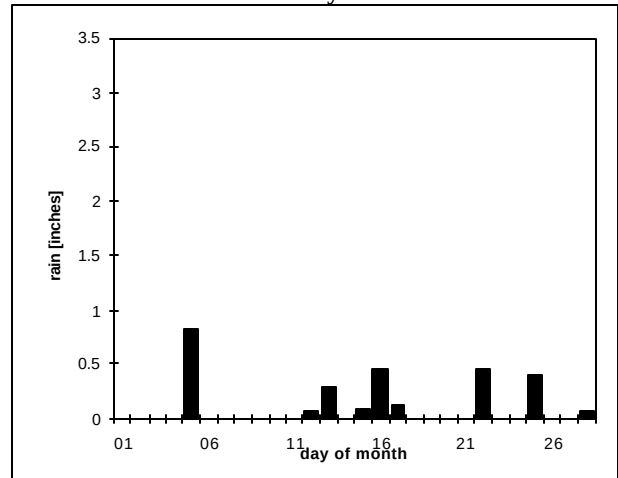
Assateague Island National Seashore — 2001

Daily Rainfall [Inches]

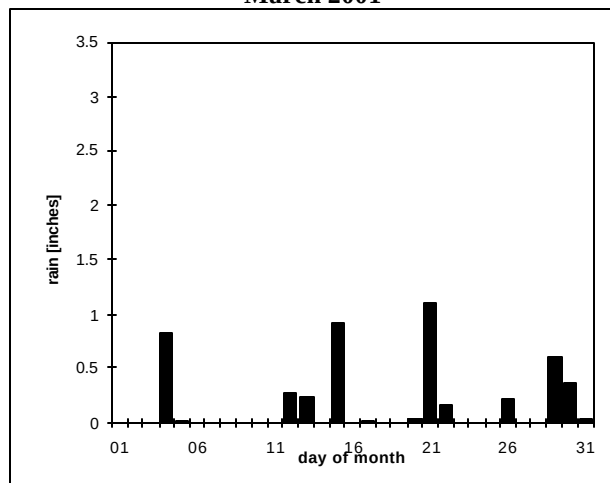
January 2001



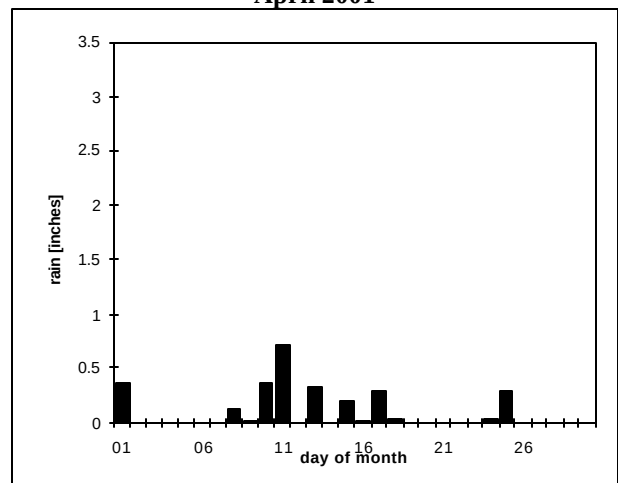
February 2001



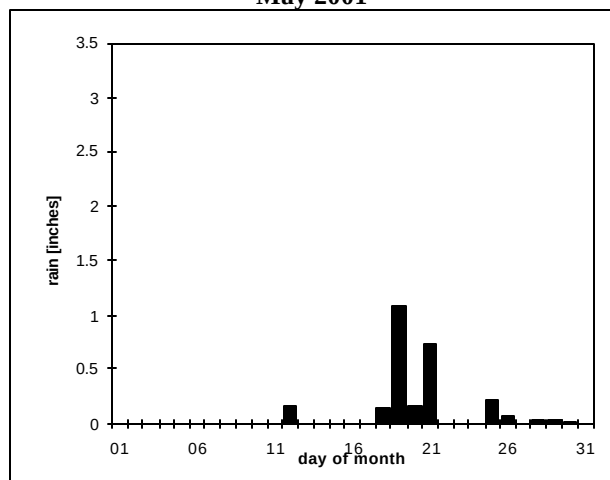
March 2001



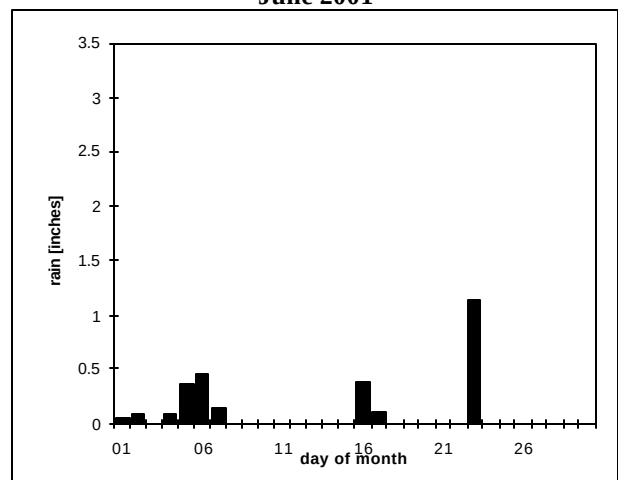
April 2001



May 2001



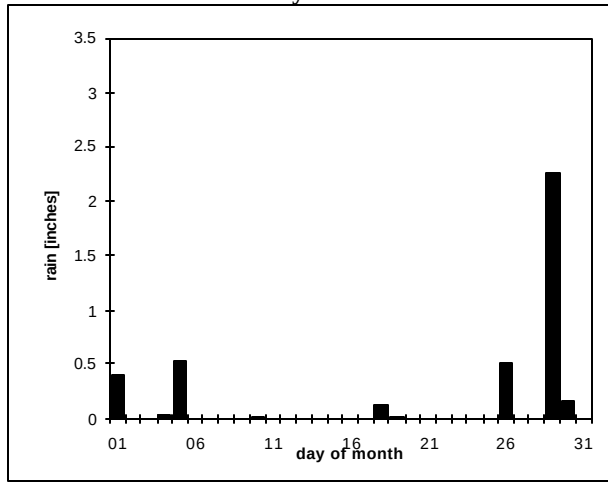
June 2001



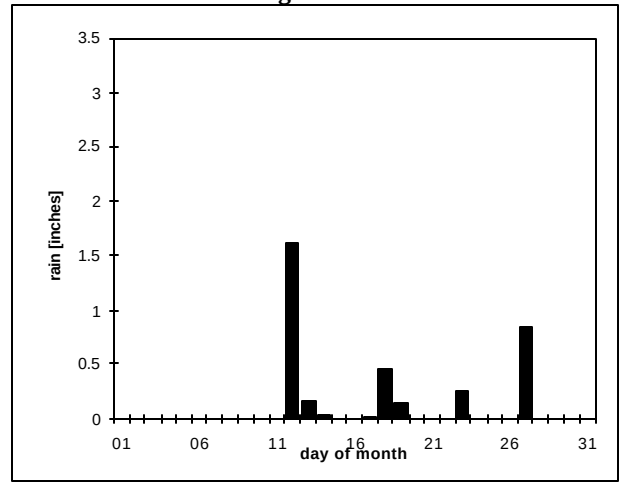
Assateague Island National Seashore — 2001

Daily Rainfall [Inches]

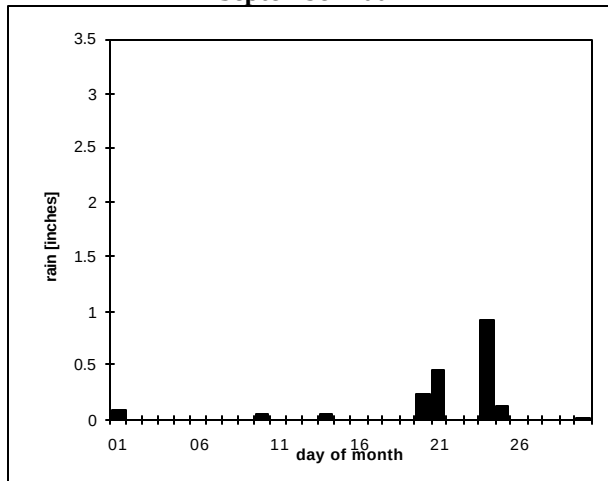
July 2001



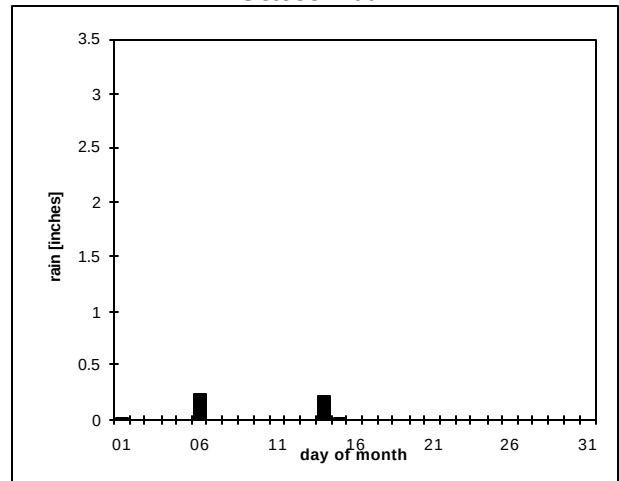
August 2001



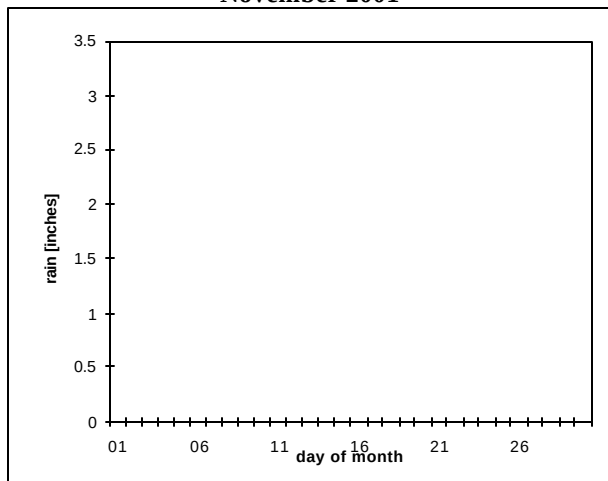
September 2001



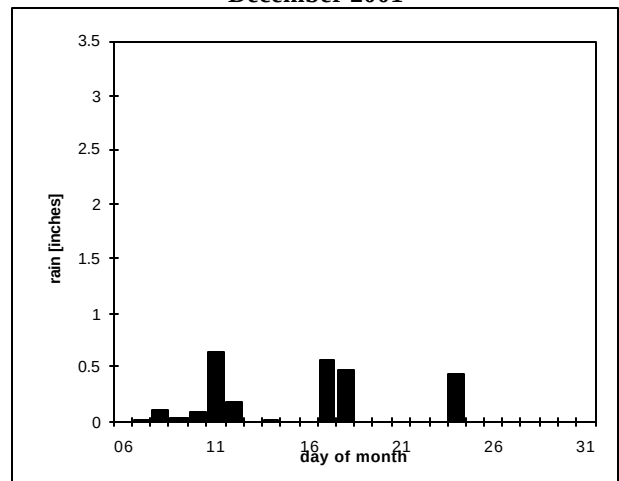
October 2001



November 2001

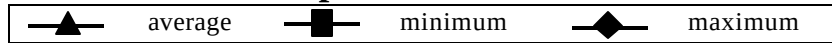


December 2001

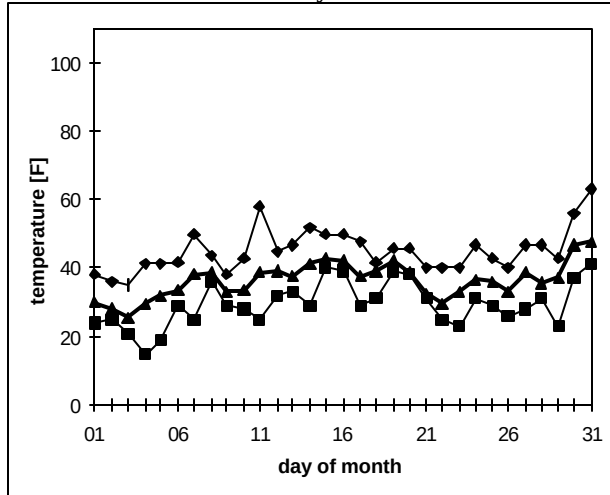


Assateague Island National Seashore — 2001

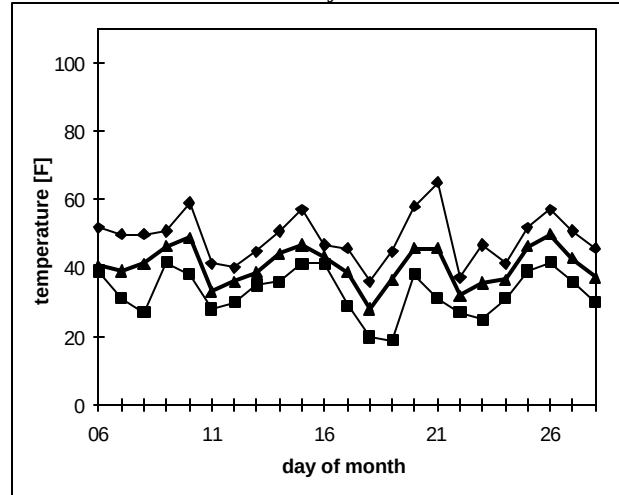
Air Temperature [Fahrenheit]



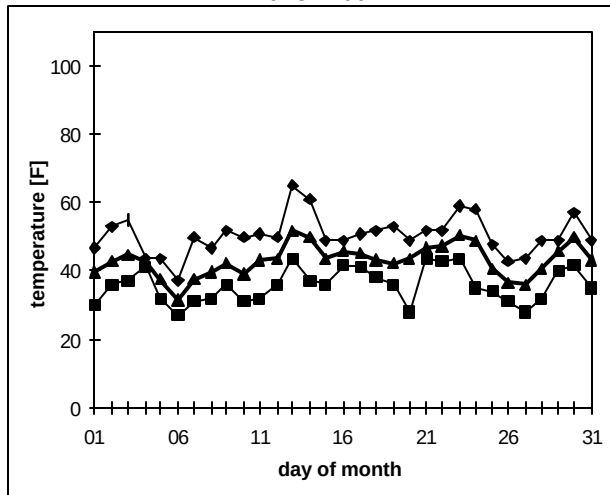
January 2001



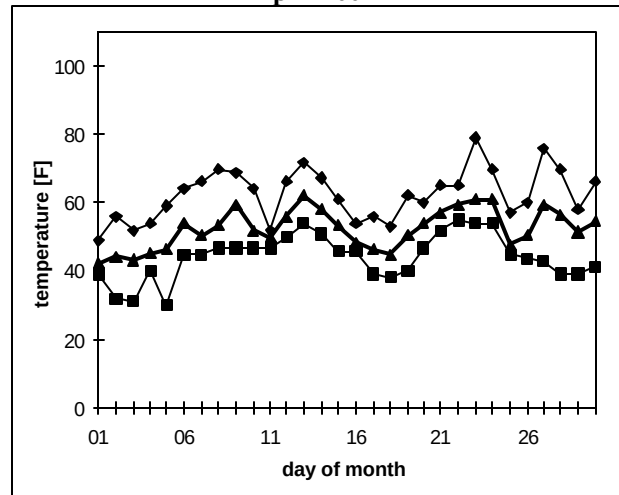
February 2001



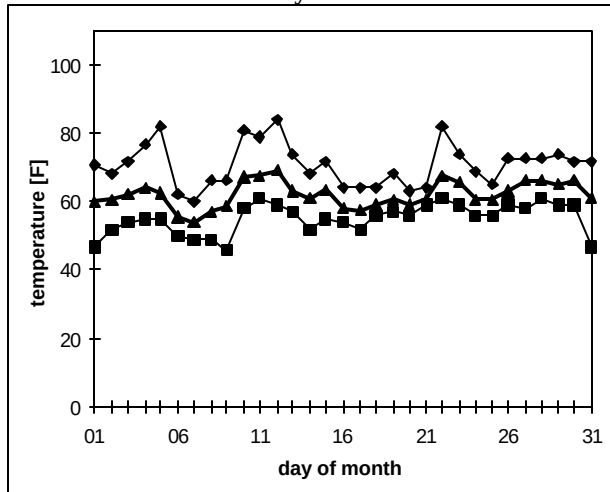
March 2001



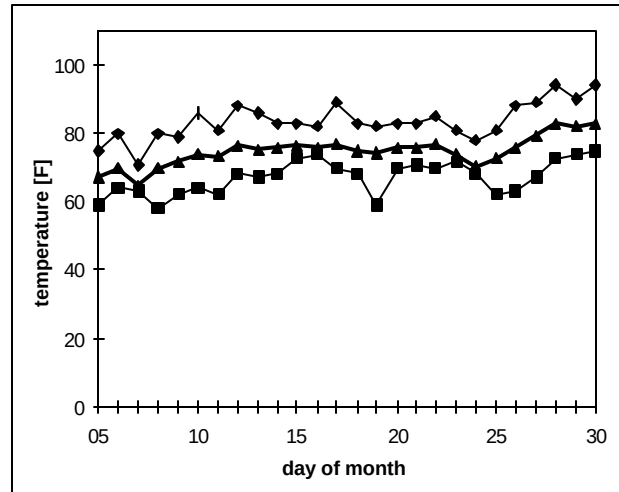
April 2001



May 2001

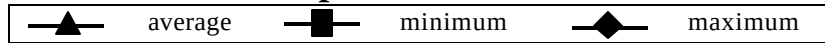


June 2001

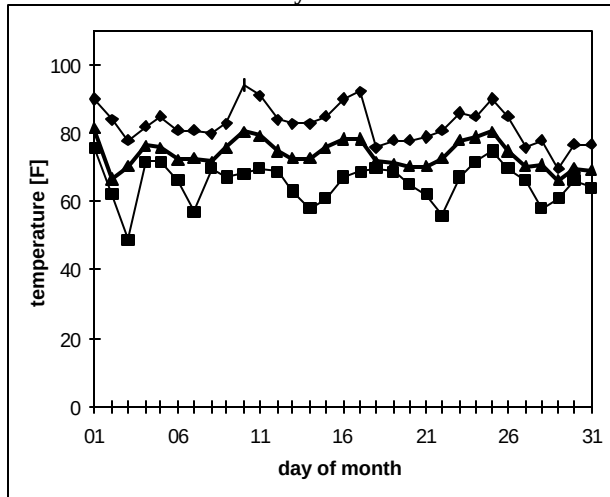


Assateague Island National Seashore — 2001

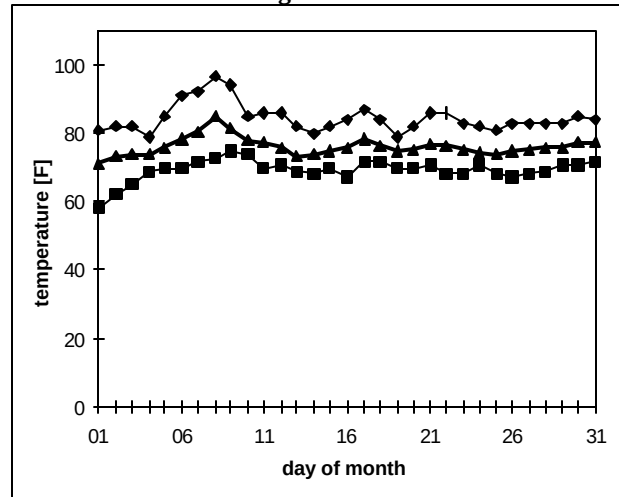
Air Temperature [Fahrenheit]



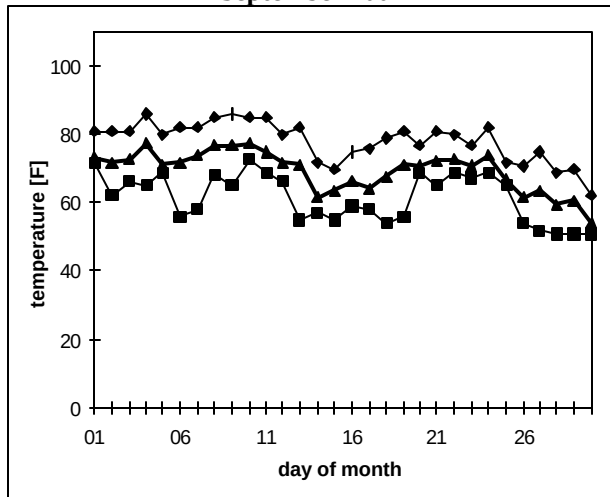
July 2001



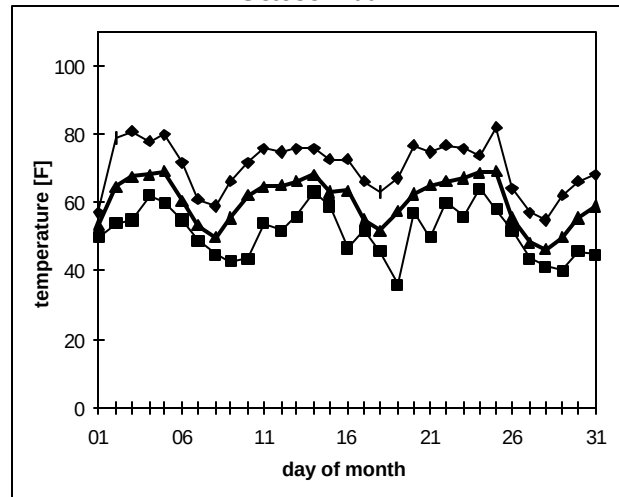
August 2001



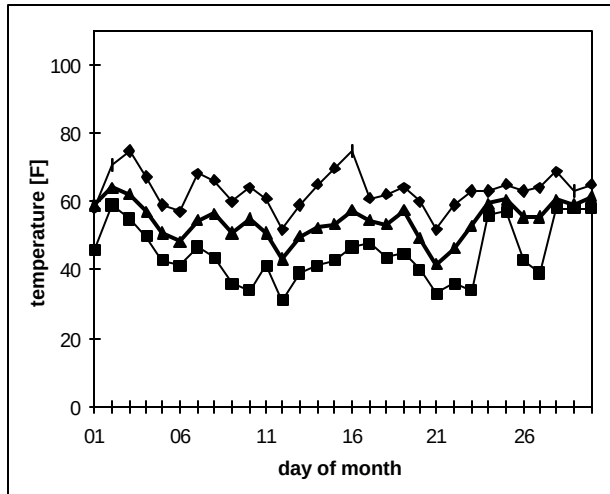
September 2001



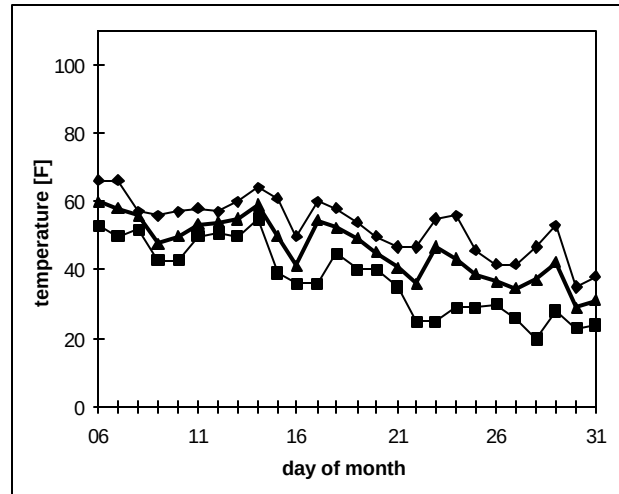
October 2001



November 2001

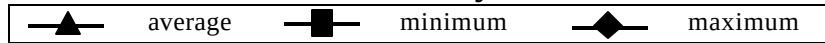


December 2001

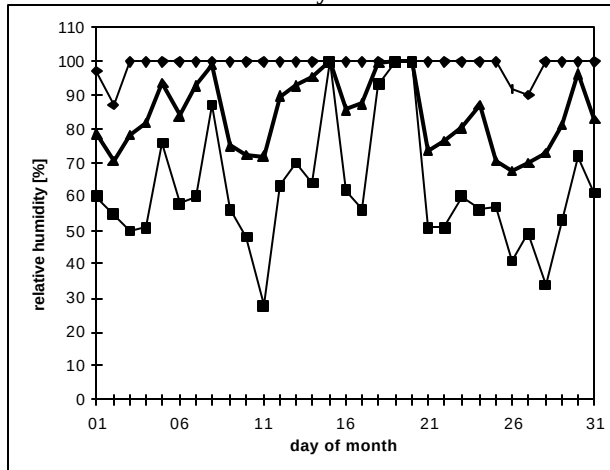


Assateague Island National Seashore — 2001

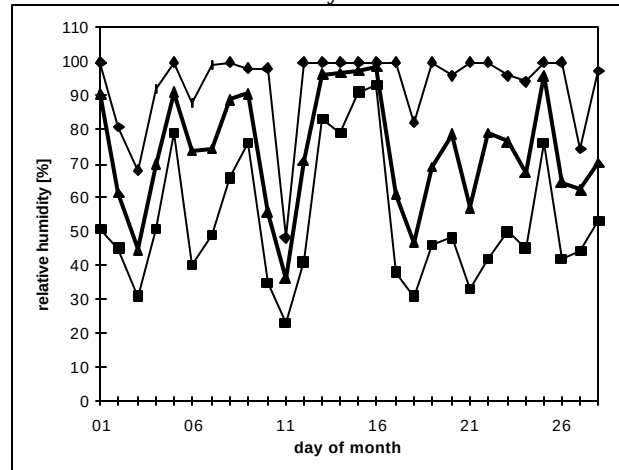
Relative Humidity [Percent]



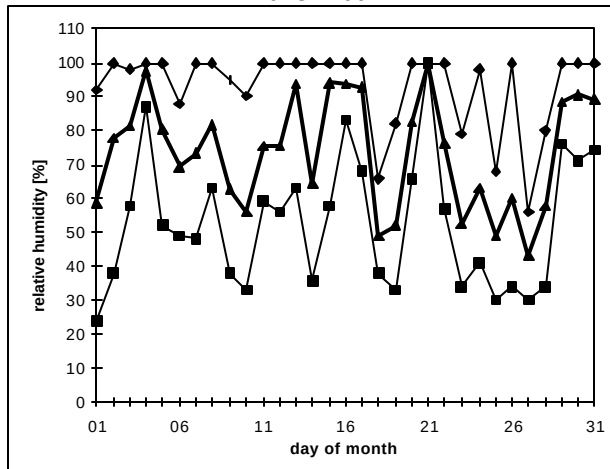
January 2001



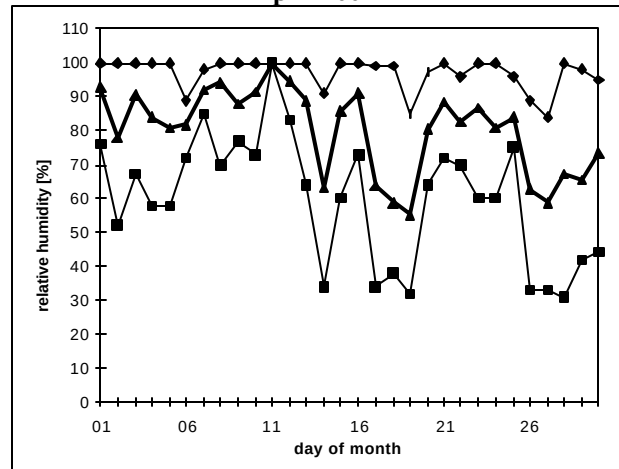
February 2001



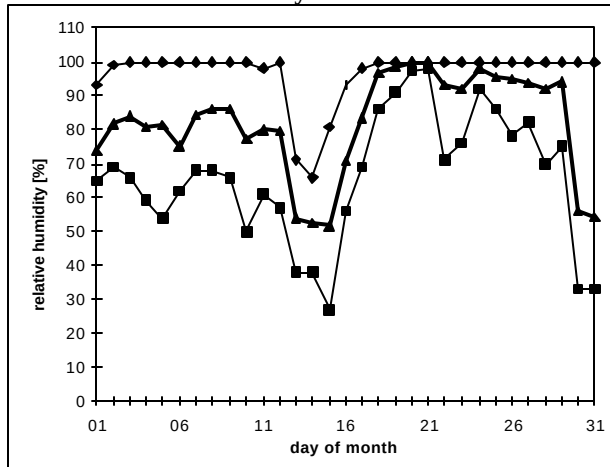
March 2001



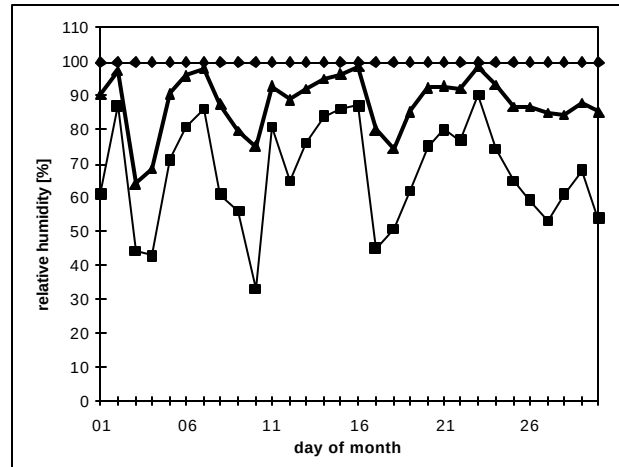
April 2001



May 2001

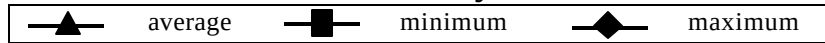


June 2001

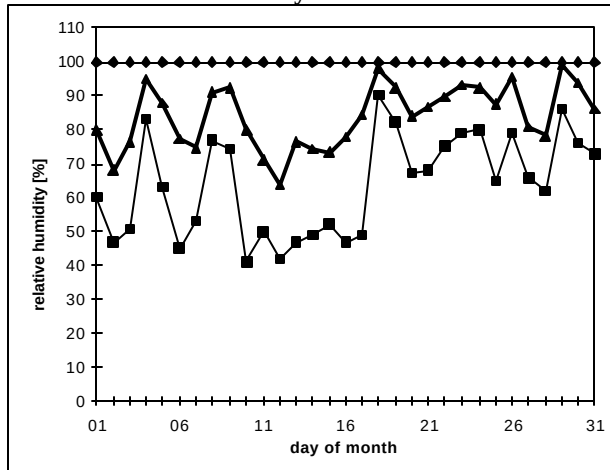


Assateague Island National Seashore — 2001

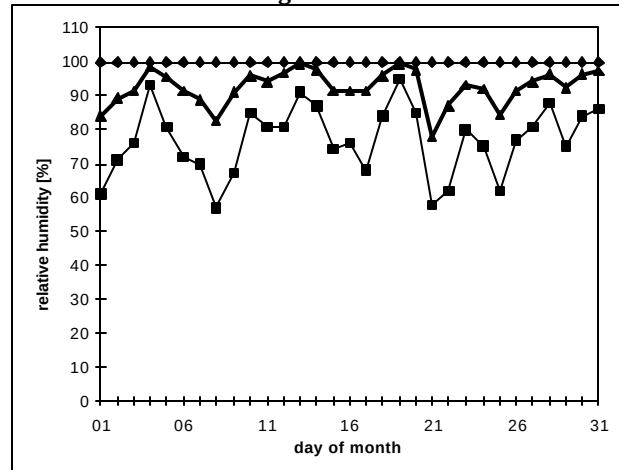
Relative Humidity [Percent]



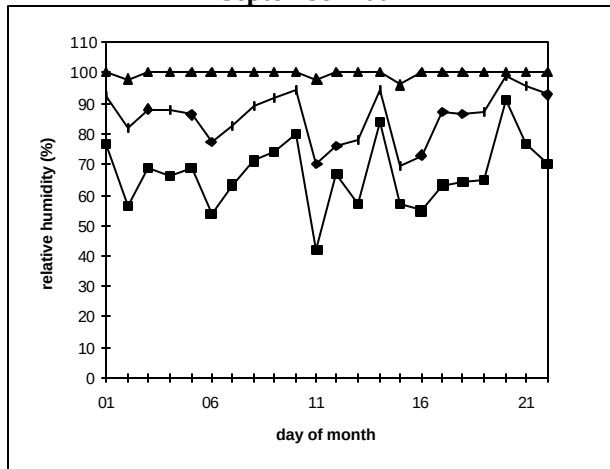
July 2001



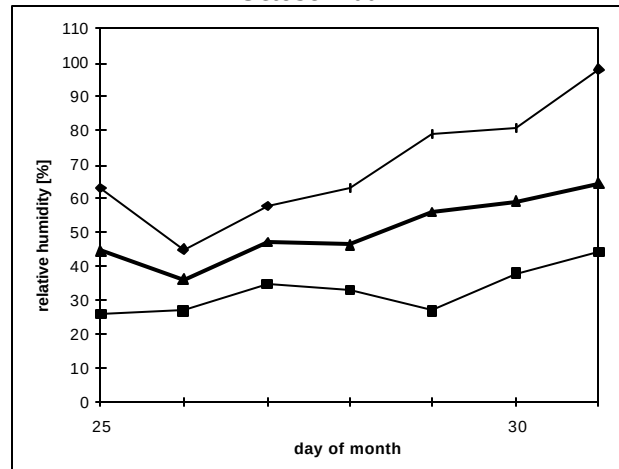
August 2001



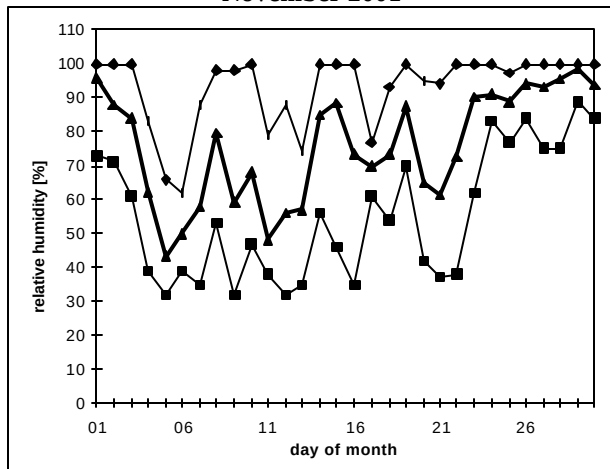
September 2001



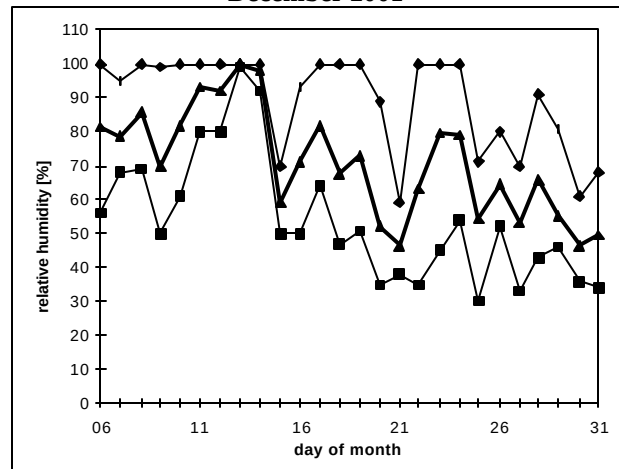
October 2001



November 2001

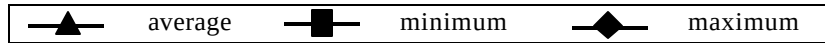


December 2001

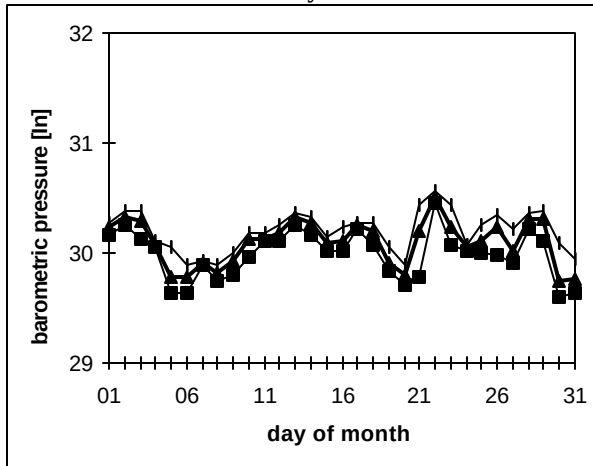


Assateague Island National Seashore — 2001

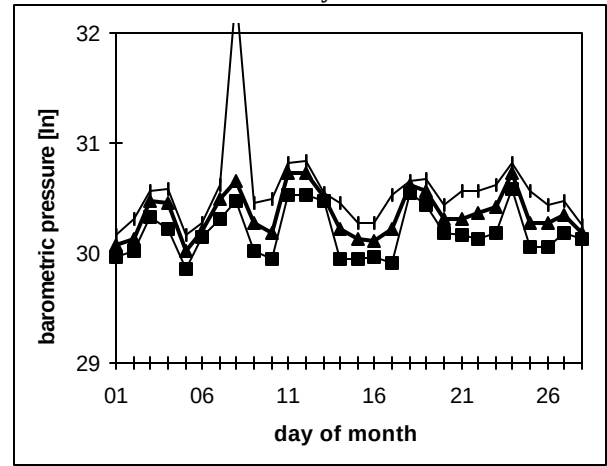
Barometric Pressure [Inches]



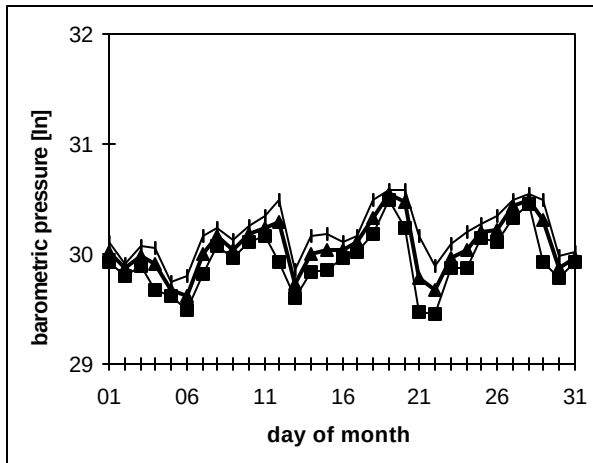
January 2001



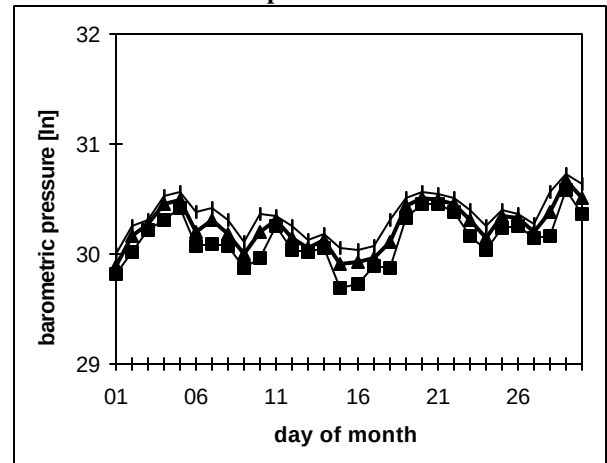
February 2001



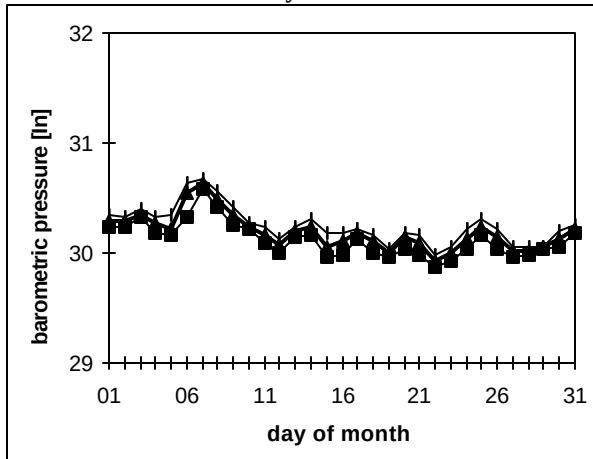
March 2001



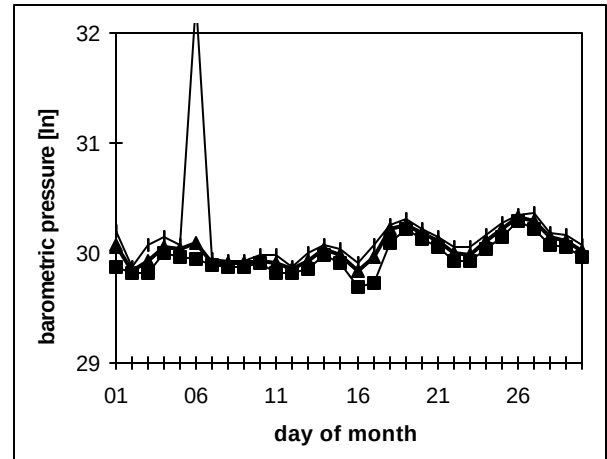
April 2001



May 2001

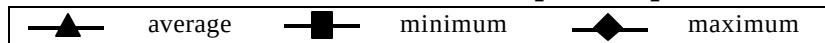


June 2001

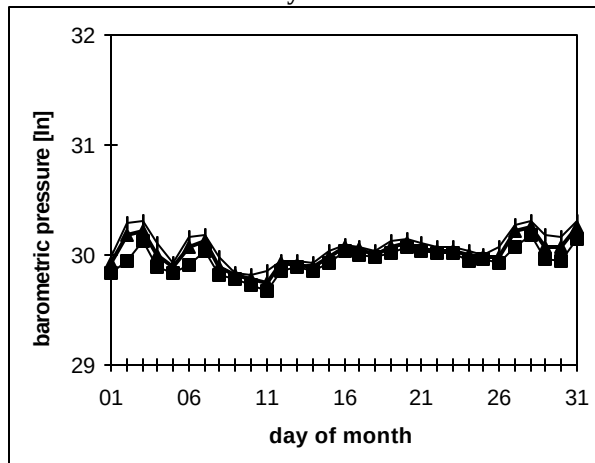


Assateague Island National Seashore — 2001

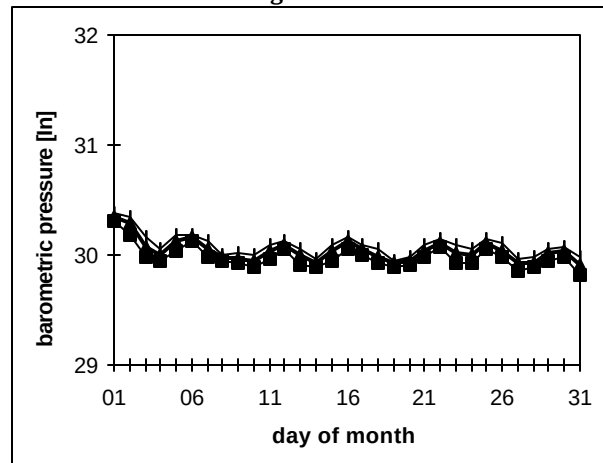
Barometric Pressure [Inches]



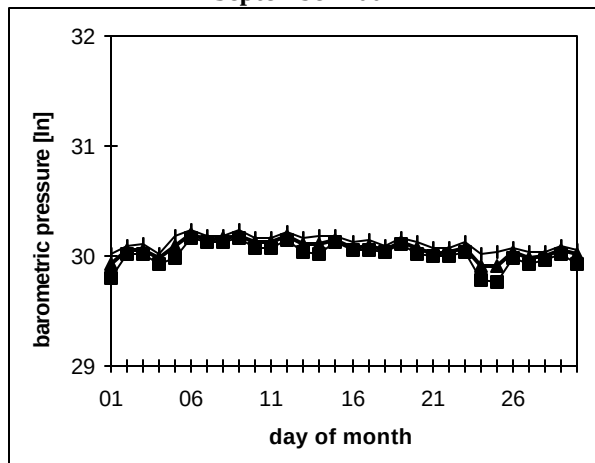
July 2001



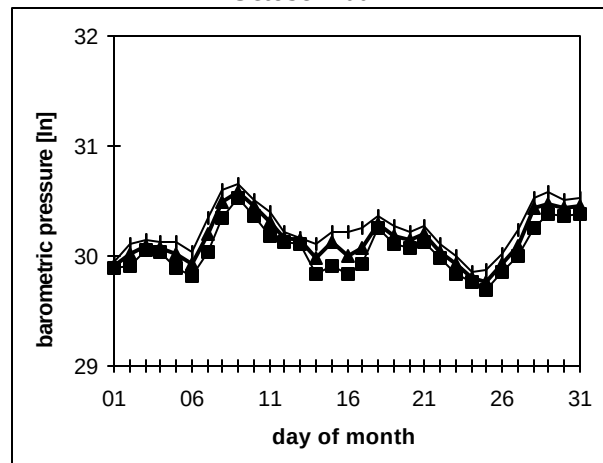
August 2001



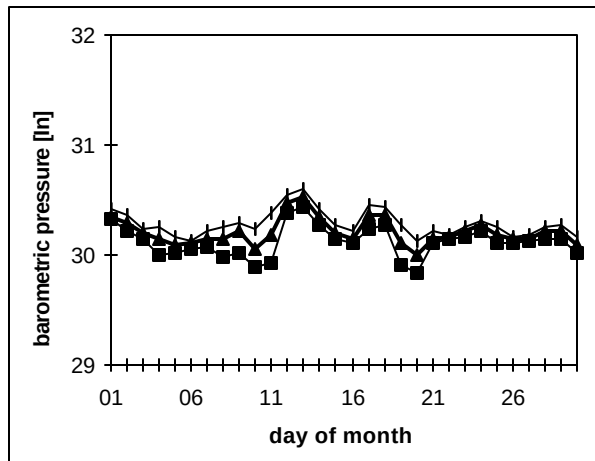
September 2001



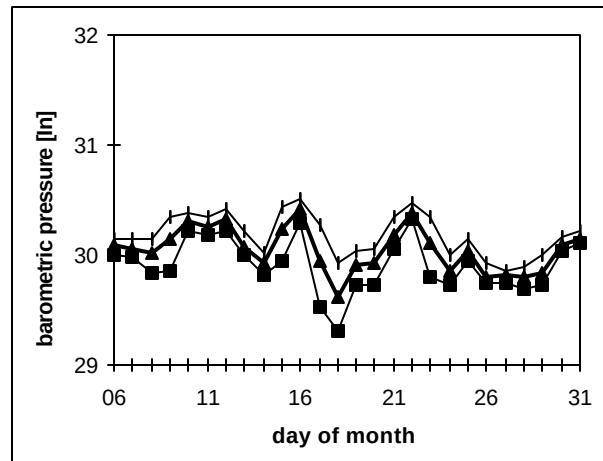
October 2001



November 2001



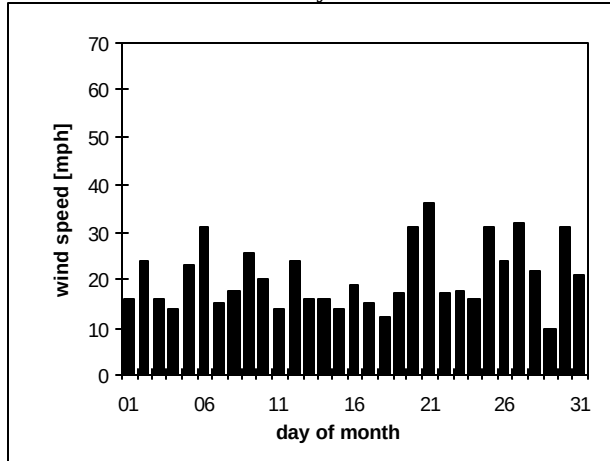
December 2001



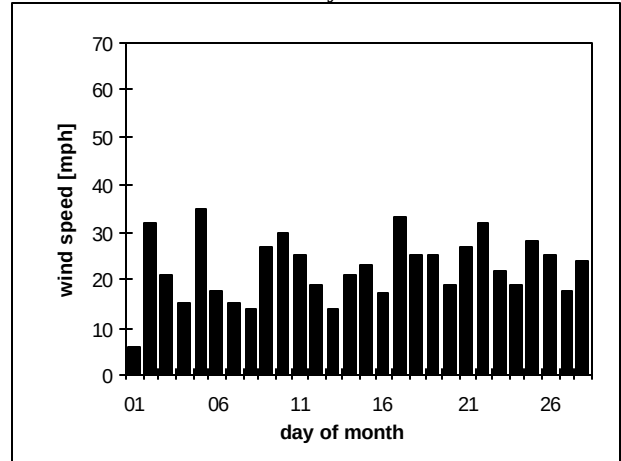
Assateague Island National Seashore — 2001

Maximum Wind Gust [MPH]

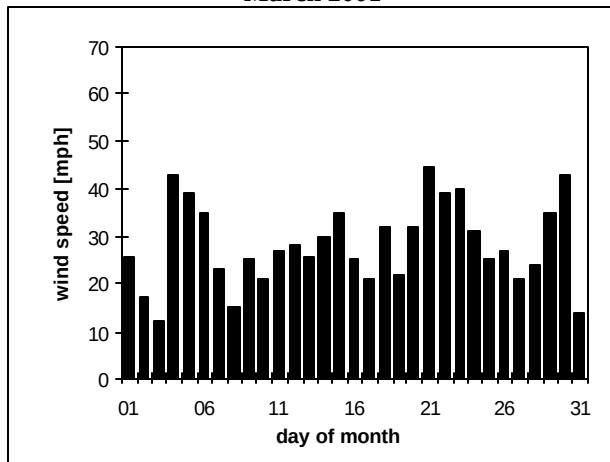
January 2001



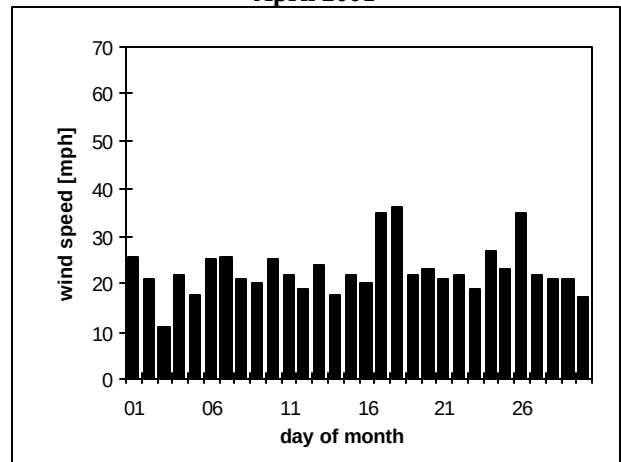
February 2001



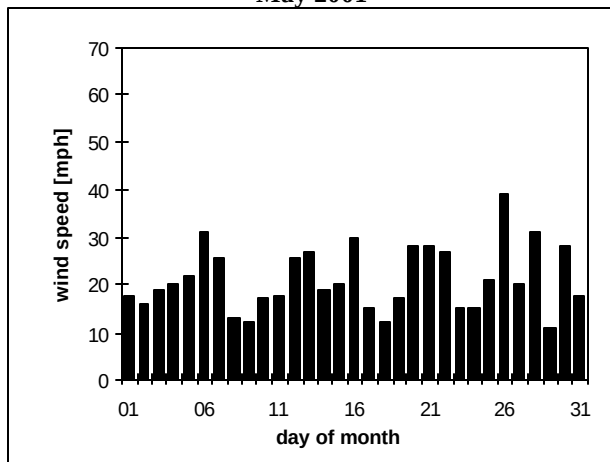
March 2001



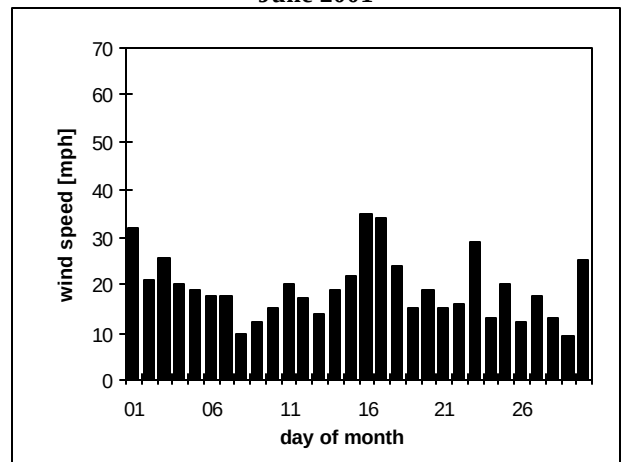
April 2001



May 2001



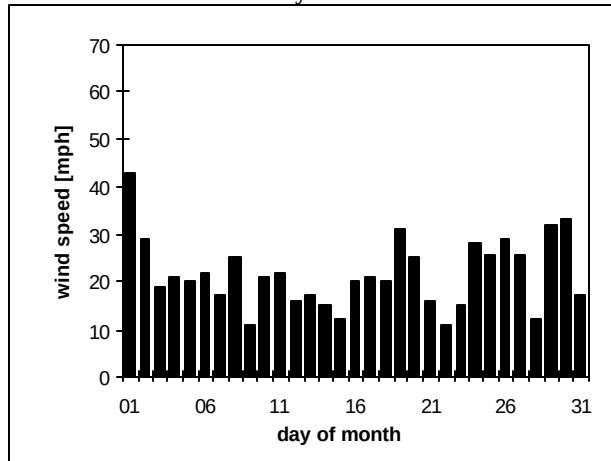
June 2001



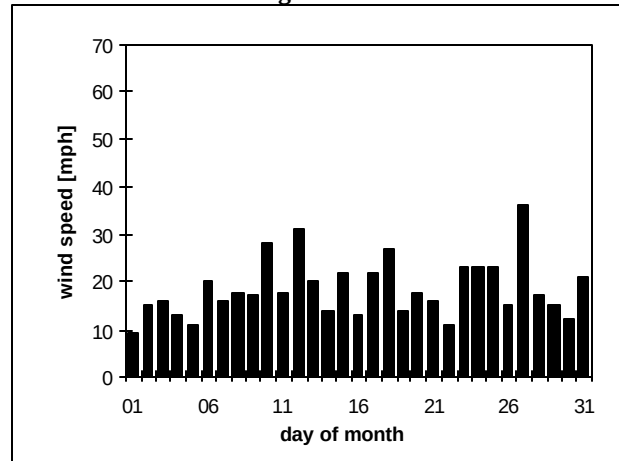
Assateague Island National Seashore — 2001

Maximum Wind Gust [MPH]

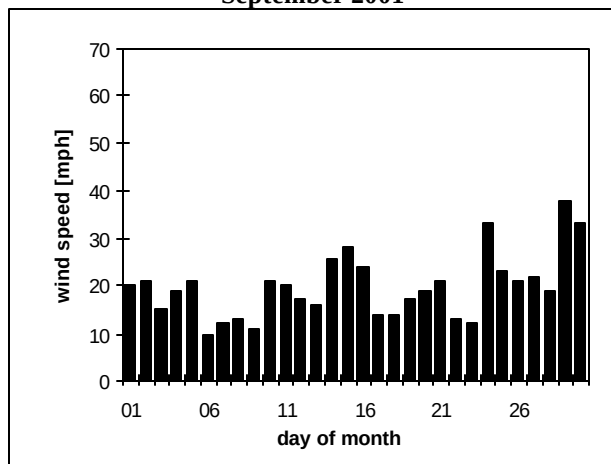
July 2001



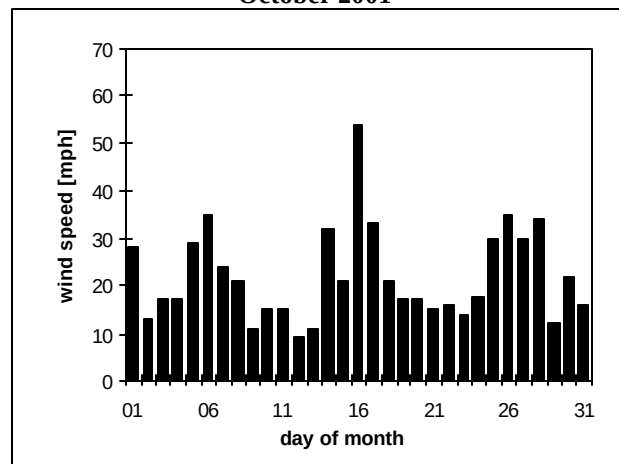
August 2001



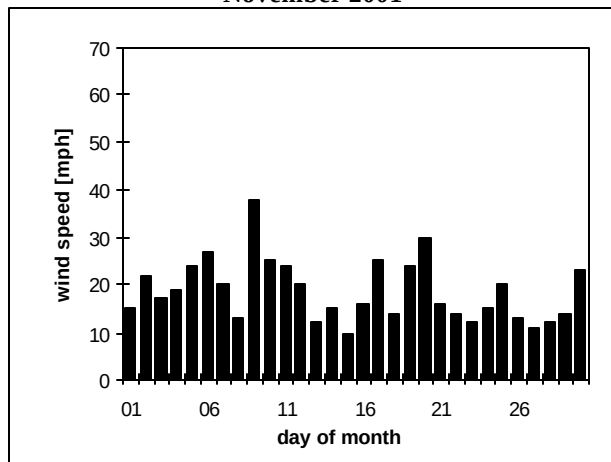
September 2001



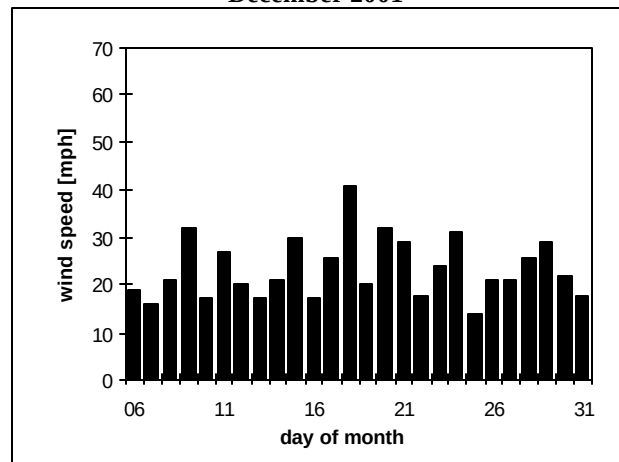
October 2001



November 2001



December 2001



Appendix B – Daily Summaries of RAWs Data by Month

January 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
01/01/2001	0.00	0.00	30	24	38	4.9	16	78	60	97	30.23	30.16	30.27	13.7	10	31.3	55
01/02/2001	0.00	0.00	28	25	36	7.0	24	71	55	87	30.33	30.26	30.38	13.4	10	29.6	54
01/03/2001	0.00	0.00	26	21	35	5.0	16	78	50	100	30.29	30.13	30.38	11.8	8	26.1	56
01/04/2001	0.00	0.00	29	15	41	4.0	14	82	51	100	30.07	30.05	30.10	13.0	9	28.5	60
01/05/2001	0.00	0.00	32	19	41	6.9	23	94	76	100	29.78	29.63	30.06	18.8	13	29.3	43
01/06/2001	0.00	0.00	34	29	42	6.5	31	84	58	100	29.78	29.64	29.90	17.9	11	32.1	58
01/07/2001	0.00	0.00	38	25	50	4.8	15	93	60	100	29.91	29.89	29.93	18.2	10	38.0	60
01/08/2001	0.08	0.08	39	36	44	3.6	18	99	87	100	29.81	29.75	29.89	25.0	21	39.0	46
01/09/2001	0.00	0.08	33	29	38	10.0	26	75	56	100	29.92	29.80	30.00	18.3	12	34.8	55
01/10/2001	0.00	0.08	34	28	43	6.3	20	72	48	100	30.12	29.96	30.19	12.6	9	34.9	62
01/11/2001	0.00	0.08	39	25	58	4.3	14	72	28	100	30.13	30.10	30.18	14.0	8	36.0	76
01/12/2001	0.00	0.08	39	32	45	9.3	24	89	63	100	30.18	30.11	30.25	15.9	10	41.0	64
01/13/2001	0.00	0.08	38	33	47	6.3	16	93	70	100	30.34	30.26	30.37	19.3	10	38.5	69
01/14/2001	0.56	0.64	42	29	52	5.3	16	95	64	100	30.27	30.16	30.33	22.4	11	43.1	71
01/15/2001	0.04	0.68	43	40	50	4.6	14	100	100	100	30.09	30.01	30.15	26.8	26	44.3	56
01/16/2001	0.00	0.68	42	39	50	5.6	19	86	62	100	30.11	30.01	30.23	21.7	14	42.8	64
01/17/2001	0.00	0.68	38	29	48	4.1	15	87	56	100	30.25	30.22	30.28	18.1	11	36.6	64
01/18/2001	0.38	1.06	39	31	42	4.8	12	99	93	100	30.21	30.07	30.27	25.5	20	39.8	46
01/19/2001	0.38	1.44	42	39	46	3.7	17	100	100	100	29.91	29.83	30.06	26.9	26	43.3	50
01/20/2001	0.39	1.83	39	38	46	13.4	31	100	100	100	29.81	29.71	29.90	27.0	27	39.0	40
01/21/2001	0.00	1.83	33	31	40	10.3	36	74	51	100	30.20	29.78	30.44	26.8	24	33.8	54
01/22/2001	0.00	1.83	30	25	40	5.0	17	76	51	100	30.51	30.45	30.57	16.9	11	30.9	60
01/23/2001	0.00	1.83	33	23	40	7.3	18	81	60	100	30.24	30.08	30.44	17.4	11	35.1	58
01/24/2001	0.00	1.83	37	31	47	4.7	16	87	56	100	30.06	30.02	30.08	17.5	10	38.8	64
01/25/2001	0.00	1.83	36	29	43	11.7	31	71	57	100	30.11	30.00	30.26	16.0	11	38.0	58
01/26/2001	0.00	1.83	33	26	40	8.5	24	68	41	92	30.23	29.98	30.35	11.8	8	36.5	64
01/27/2001	0.00	1.83	39	28	47	9.9	32	70	49	90	30.01	29.91	30.22	13.3	11	38.7	59
01/28/2001	0.00	1.83	36	31	47	5.5	22	73	34	100	30.30	30.22	30.36	11.6	8	37.9	65
01/29/2001	0.00	1.83	37	23	43	5.2	10	81	53	100	30.30	30.11	30.38	14.0	9	40.4	63
01/30/2001	0.18	2.01	47	37	56	11.0	31	96	72	100	29.75	29.60	30.09	25.3	21	46.5	60
01/31/2001	0.00	2.01	48	41	63	6.2	21	83	61	100	29.76	29.64	29.95	17.7	10	47.7	81

Monthly summary:

Total Annual rain rain		Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.01	2.01	36	15	63	6.6	36	84	28	100	30.1	29.6	30.57	18.33	8	37.16	81

February 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
02/01/2001	0.00	2.01	41	29	46	2.0	6	91	51	100	30.07	29.97	30.17	21.6	13	41.9	67
02/02/2001	0.00	2.01	41	***	***	7.7	32	62	45	81	30.13	30.01	30.31	12.2	10	41.3	65
02/03/2001	0.00	2.01	30	***	***	6.1	21	45	31	68	30.48	30.33	30.56	9.0	7	28.8	50
02/04/2001	0.00	2.01	38	***	***	7.0	15	70	51	92	30.46	30.22	30.58	11.1	9	39.3	58
02/05/2001	0.83	2.84	40	***	***	10.5	35	91	79	100	30.02	29.86	30.17	25.5	16	40.0	49
02/06/2001	0.00	2.84	41	39	52	7.5	18	74	40	88	30.21	30.14	30.28	20.2	12	40.9	61
02/07/2001	0.00	2.84	39	31	50	3.7	15	74	49	99	30.49	30.31	30.62	16.6	11	36.5	62
02/08/2001	0.00	2.84	41	27	50	4.8	14	89	66	100	30.66	30.47	32.36	17.6	11	40.7	62
02/09/2001	0.00	2.84	47	42	51	11.2	27	91	76	98	30.27	30.01	30.46	21.6	14	47.9	58
02/10/2001	0.00	2.84	49	38	59	11.1	30	56	35	98	30.19	29.94	30.50	15.6	10	49.6	67
02/11/2001	0.00	2.84	33	28	41	7.1	25	36	23	48	30.72	30.53	30.82	9.2	8	35.1	54
02/12/2001	0.07	2.91	36	30	40	7.7	19	71	41	100	30.73	30.52	30.84	14.3	9	36.6	42
02/13/2001	0.29	3.20	39	35	45	3.7	14	96	83	100	30.51	30.47	30.55	26.8	26	38.5	49
02/14/2001	0.00	3.20	44	36	51	5.9	21	97	79	100	30.23	29.95	30.46	25.3	21	45.5	52
02/15/2001	0.08	3.28	47	41	57	8.7	23	97	91	100	30.13	29.94	30.28	26.5	26	46.8	56
02/16/2001	0.45	3.73	43	41	47	6.5	17	98	93	100	30.12	29.96	30.28	27.0	26	43.6	47
02/17/2001	0.13	3.86	39	29	46	11.0	33	61	38	100	30.22	29.91	30.53	20.8	13	39.1	53
02/18/2001	0.00	3.86	28	20	36	7.0	25	47	31	82	30.61	30.55	30.66	11.8	10	29.1	50
02/19/2001	0.00	3.86	37	19	45	8.5	25	69	46	100	30.56	30.43	30.67	14.1	11	36.1	56
02/20/2001	0.00	3.86	46	38	58	8.2	19	79	48	96	30.32	30.18	30.43	16.9	10	47.7	70
02/21/2001	0.00	3.86	46	31	65	7.3	27	57	33	100	30.32	30.17	30.57	15.6	10	45.8	76
02/22/2001	0.45	4.31	32	27	37	14.9	32	79	42	100	30.36	30.13	30.57	17.3	10	31.8	36
02/23/2001	0.00	4.31	36	25	47	6.4	22	76	50	96	30.41	30.19	30.61	20.4	12	37.2	58
02/24/2001	0.00	4.31	37	31	41	8.5	19	67	45	94	30.73	30.58	30.82	15.5	11	38.5	53
02/25/2001	0.41	4.72	47	39	52	11.8	28	96	76	100	30.28	30.06	30.56	23.8	15	47.2	59
02/26/2001	0.00	4.72	50	42	57	6.8	25	64	42	100	30.28	30.06	30.43	19.4	12	50.6	67
02/27/2001	0.00	4.72	43	36	51	6.7	18	62	44	74	30.35	30.19	30.47	13.8	10	45.5	65
02/28/2001	0.07	4.79	37	30	46	8.4	24	70	53	97	30.19	30.12	30.26	16.3	12	38.2	57

Monthly summary:

Total Annual rain rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.78 4.79	40	19	65	7.7	35	74	23	100	30.36	29.86	32.36	18.05	7	40.7	76

*** Missing Data

March 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
03/01/2001	0.00	4.79	40	30	47	7.5	26	59	24	92	30.02	29.92	30.11	14.5	9	41.0	60
03/02/2001	0.00	4.79	43	36	53	5.2	17	78	38	100	29.87	29.80	29.91	16.9	10	43.7	67
03/03/2001	0.00	4.79	45	37	55	3.8	12	81	58	98	29.99	29.90	30.07	18.0	12	43.3	58
03/04/2001	0.83	5.62	43	41	44	19.3	43	98	87	100	29.91	29.67	30.06	25.5	21	43.2	45
03/05/2001	0.01	5.63	38	32	44	12.0	39	80	52	100	29.66	29.61	29.74	25.6	17	37.7	44
03/06/2001	0.00	5.63	32	27	37	14.5	35	69	49	88	29.61	29.49	29.80	16.5	14	32.1	36
03/07/2001	0.00	5.63	38	31	50	6.3	23	73	48	100	30.00	29.81	30.16	14.9	11	39.0	62
03/08/2001	0.00	5.63	40	32	47	6.3	15	82	63	100	30.17	30.08	30.24	17.8	11	42.8	63
03/09/2001	0.00	5.63	42	36	52	7.8	25	63	38	95	30.04	29.97	30.12	16.8	10	44.0	67
03/10/2001	0.00	5.63	39	31	50	7.3	21	56	33	90	30.19	30.11	30.26	11.2	9	40.7	63
03/11/2001	0.00	5.63	44	32	51	9.2	27	76	59	100	30.24	30.16	30.34	15.2	10	44.8	63
03/12/2001	0.26	5.89	44	36	50	11.5	28	75	56	100	30.28	29.92	30.49	15.2	10	47.7	63
03/13/2001	0.24	6.13	52	44	65	8.5	26	94	63	100	29.73	29.60	29.86	25.2	18	53.0	70
03/14/2001	0.00	6.13	50	37	61	8.5	30	64	36	100	30.01	29.83	30.17	15.3	10	49.3	71
03/15/2001	0.92	7.05	44	36	49	11.0	35	94	58	100	30.03	29.86	30.18	23.8	15	43.0	50
03/16/2001	0.00	7.05	46	42	49	7.3	25	94	83	100	30.04	29.97	30.10	23.8	17	47.8	56
03/17/2001	0.02	7.07	45	41	51	6.0	21	93	68	100	30.11	30.01	30.17	22.1	13	47.6	66
03/18/2001	0.00	7.07	44	38	52	11.0	32	49	38	66	30.33	30.18	30.50	13.5	10	45.6	64
03/19/2001	0.00	7.07	42	36	53	7.0	22	52	33	82	30.55	30.50	30.59	10.9	9	43.7	70
03/20/2001	0.03	7.10	44	28	49	14.2	32	83	66	100	30.48	30.23	30.59	16.1	11	44.4	57
03/21/2001	1.11	8.21	47	44	52	14.5	45	100	100	100	29.78	29.47	30.17	26.4	25	47.6	57
03/22/2001	0.17	8.38	48	43	52	12.1	39	77	57	100	29.68	29.45	29.89	21.2	14	47.7	57
03/23/2001	0.00	8.38	50	44	59	13.9	40	53	34	79	29.97	29.88	30.09	12.2	10	51.6	70
03/24/2001	0.00	8.38	49	35	58	10.2	31	63	41	98	30.04	29.87	30.20	12.6	10	50.3	69
03/25/2001	0.00	8.38	41	34	48	8.5	25	49	30	68	30.21	30.14	30.28	9.8	8	43.4	63
03/26/2001	0.21	8.59	36	31	43	8.6	27	60	34	100	30.22	30.11	30.35	13.7	10	37.4	52
03/27/2001	0.00	8.59	36	28	44	7.1	21	43	30	56	30.43	30.33	30.50	9.5	8	38.8	57
03/28/2001	0.00	8.59	41	32	49	7.8	24	58	34	80	30.49	30.45	30.55	9.8	8	43.8	64
03/29/2001	0.60	9.19	46	40	49	13.4	35	88	76	100	30.31	29.93	30.49	19.0	14	46.7	51
03/30/2001	0.37	9.56	50	42	57	9.7	43	91	71	100	29.88	29.79	29.99	24.3	18	48.7	60
03/31/2001	0.03	9.59	43	35	49	6.1	14	89	74	100	29.97	29.93	30.01	21.4	16	43.4	54

Monthly summary:

Total Annual rain	rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
4.8	9.59	43	27	65	9.5	45	74	24	100	30.07	29.45	30.59	17.38	8	44.30	71

April 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
04/01/2001	0.37	9.96	42	39	49	9.8	26	93	76	100	29.89	29.82	30.00	24.7	17	43.3	56
04/02/2001	0.00	9.96	44	32	56	4.9	21	78	52	100	30.16	30.01	30.26	19.8	12	43.2	63
04/03/2001	0.00	9.96	43	31	52	4.3	11	91	67	100	30.27	30.22	30.31	19.3	12	42.3	65
04/04/2001	0.00	9.96	45	40	54	7.4	22	84	58	100	30.45	30.30	30.52	18.7	11	46.7	67
04/05/2001	0.00	9.96	47	30	59	6.3	18	81	58	100	30.49	30.41	30.56	16.9	10	48.4	73
04/06/2001	0.00	9.96	54	45	64	9.6	25	82	72	89	30.20	30.07	30.39	16.3	10	56.0	70
04/07/2001	0.00	9.96	51	45	66	11.0	26	92	85	98	30.31	30.09	30.42	18.6	14	52.3	65
04/08/2001	0.13	10.09	53	47	70	5.4	21	94	70	100	30.18	30.08	30.31	19.9	11	57.6	83
04/09/2001	0.01	10.10	59	47	69	6.3	20	88	77	100	30.00	29.87	30.10	20.4	12	62.7	78
04/10/2001	0.37	10.47	52	47	64	8.5	25	92	73	100	30.20	29.97	30.36	19.8	12	54.7	69
04/11/2001	0.71	11.18	50	47	52	7.2	22	100	100	100	30.30	30.25	30.34	26.0	26	50.4	53
04/12/2001	0.00	11.18	56	50	66	7.8	19	94	83	100	30.15	30.03	30.25	22.5	15	59.5	74
04/13/2001	0.33	11.51	62	54	72	6.0	24	89	64	100	30.06	30.01	30.13	25.0	18	60.3	76
04/14/2001	0.00	11.51	58	51	67	6.2	18	63	34	91	30.12	30.06	30.19	13.8	11	60.5	79
04/15/2001	0.20	11.71	53	46	61	8.9	22	86	60	100	29.90	29.70	30.05	17.4	10	57.2	77
04/16/2001	0.01	11.72	49	46	54	7.7	20	91	73	100	29.93	29.72	30.03	24.9	19	48.0	54
04/17/2001	0.30	12.02	46	39	56	10.3	35	64	34	99	29.96	29.89	30.07	17.7	10	48.3	70
04/18/2001	0.03	12.05	45	38	53	11.7	36	59	38	99	30.11	29.88	30.30	15.0	10	45.8	59
04/19/2001	0.00	12.05	50	40	62	9.1	22	55	32	85	30.43	30.32	30.51	11.3	9	53.3	73
04/20/2001	0.00	12.05	54	47	60	10.5	23	80	64	97	30.51	30.45	30.57	14.6	10	57.3	76
04/21/2001	0.00	12.05	57	52	65	10.0	21	88	72	100	30.50	30.46	30.54	16.6	10	60.5	80
04/22/2001	0.00	12.05	60	55	65	10.3	22	83	70	96	30.45	30.39	30.51	14.6	10	63.6	79
04/23/2001	0.00	12.05	61	54	79	8.1	19	87	60	100	30.30	30.17	30.40	17.1	10	65.4	88
04/24/2001	0.03	12.08	61	54	70	12.0	27	81	60	100	30.14	30.04	30.25	16.6	10	64.9	83
04/25/2001	0.30	12.38	48	45	57	8.8	23	84	75	96	30.35	30.24	30.40	24.1	20	46.9	53
04/26/2001	0.00	12.38	51	44	60	11.3	35	63	33	89	30.32	30.26	30.37	15.0	10	52.8	71
04/27/2001	0.00	12.38	59	43	76	7.0	22	59	33	84	30.20	30.14	30.28	11.5	8	62.4	87
04/28/2001	0.00	12.38	57	39	70	7.5	21	67	31	100	30.38	30.16	30.57	11.1	8	58.1	85
04/29/2001	0.00	12.38	51	39	58	8.1	21	65	42	98	30.67	30.58	30.73	11.6	8	54.1	74
04/30/2001	0.00	12.38	55	41	66	7.0	17	73	44	95	30.52	30.36	30.64	13.5	8	57.6	82

Monthly summary:

Total Annual rain rain		Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.79	12.38	52	30	79	8.3	36	80	31	100	30.25	29.7	30.73	17.81	8	54.47	88

May 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
05/01/2001	0.00	12.38	60	47	71	7.2	18	74	65	93	30.29	30.24	30.35	12.6	9	63.6	86
05/02/2001	0.00	12.38	61	52	68	6.5	16	82	69	99	30.28	30.24	30.33	14.2	9	64.7	86
05/03/2001	0.00	12.38	62	54	72	7.5	19	84	66	100	30.35	30.32	30.40	16.6	9	66.8	87
05/04/2001	0.00	12.38	64	55	77	8.3	20	81	59	100	30.27	30.18	30.33	15.7	9	68.8	89
05/05/2001	0.00	12.38	63	55	82	7.7	22	81	54	100	30.22	30.16	30.34	15.4	9	66.5	94
05/06/2001	0.00	12.38	55	50	62	17.2	31	75	62	100	30.54	30.33	30.64	13.5	9	59.5	77
05/07/2001	0.00	12.38	54	49	60	13.6	26	84	68	100	30.64	30.59	30.68	15.3	9	58.0	77
05/08/2001	0.00	12.38	57	49	66	6.3	13	86	68	100	30.50	30.41	30.57	17.8	10	60.7	84
05/09/2001	0.00	12.38	59	46	66	5.3	12	86	66	100	30.34	30.26	30.41	16.2	10	61.0	83
05/10/2001	0.00	12.38	67	58	81	5.6	17	77	50	100	30.24	30.21	30.28	14.7	8	69.6	96
05/11/2001	0.00	12.38	68	61	79	7.5	18	80	61	98	30.16	30.09	30.24	14.2	9	72.2	90
05/12/2001	0.15	12.53	69	59	84	7.2	26	80	57	100	30.07	30.00	30.12	19.4	8	72.3	99
05/13/2001	0.00	12.53	63	57	74	8.8	27	54	38	71	30.20	30.14	30.24	12.8	9	66.5	89
05/14/2001	0.00	12.53	61	52	68	7.6	19	52	38	66	30.25	30.17	30.31	9.1	7	65.1	85
05/15/2001	0.00	12.53	64	55	72	7.9	20	52	27	81	30.05	29.96	30.18	8.5	6	67.9	90
05/16/2001	0.00	12.53	58	54	64	12.5	30	71	56	93	30.10	29.98	30.18	11.1	8	62.3	80
05/17/2001	0.00	12.53	58	52	64	8.4	15	84	69	98	30.18	30.12	30.22	14.5	9	61.9	80
05/18/2001	0.14	12.67	59	56	64	5.3	12	97	86	100	30.10	30.00	30.16	23.7	17	60.3	70
05/19/2001	1.09	13.76	61	57	68	4.0	17	99	91	100	30.00	29.96	30.04	25.5	23	60.6	71
05/20/2001	0.16	13.92	59	56	63	12.5	28	100	97	100	30.14	30.04	30.18	25.7	23	59.5	68
05/21/2001	0.74	14.66	61	59	64	10.6	28	100	98	100	30.09	29.98	30.16	25.1	21	62.3	69
05/22/2001	0.00	14.66	68	61	82	6.7	27	93	71	100	29.93	29.88	29.98	21.6	11	71.3	93
05/23/2001	0.00	14.66	66	59	74	5.5	15	92	76	100	30.00	29.92	30.05	19.5	11	70.6	93
05/24/2001	0.00	14.66	61	56	69	5.5	15	98	92	100	30.13	30.04	30.21	20.8	13	63.5	75
05/25/2001	0.21	14.87	61	56	65	8.7	21	95	86	100	30.24	30.17	30.30	19.9	11	64.9	79
05/26/2001	0.07	14.94	63	59	73	8.5	39	95	78	100	30.15	30.04	30.22	21.8	11	65.9	86
05/27/2001	0.00	14.94	66	58	73	7.7	20	94	82	100	30.01	29.97	30.05	20.2	11	71.2	90
05/28/2001	0.03	14.97	66	61	73	6.6	31	92	70	100	30.02	29.99	30.06	22.1	14	66.6	79
05/29/2001	0.03	15.00	65	59	74	3.8	11	94	75	100	30.05	30.03	30.06	22.0	12	65.4	89
05/30/2001	0.01	15.01	66	59	72	8.3	28	56	33	100	30.13	30.05	30.20	14.0	8	69.3	89
05/31/2001	0.00	15.01	61	47	72	6.6	18	54	33	100	30.22	30.18	30.26	8.7	7	64.3	89

Monthly summary:

Total Annual rain rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.63 15.01	62	46	84	7.9	39	82	27	100	30.19	29.88	30.68	17.16	6	65.26	99

June 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
06/01/2001	0.05	15.06	64	47	70	11.3	32	90	61	100	30.07	29.87	30.20	17.7	10	64.8	82
06/02/2001	0.08	15.14	68	63	74	8.9	21	97	87	100	29.85	29.82	29.87	21.9	13	71.5	91
06/03/2001	0.00	15.14	71	63	80	8.6	26	64	44	100	29.93	29.82	30.08	14.2	9	73.8	93
06/04/2001	0.10	15.24	69	***	***	7.0	20	68	43	100	30.05	30.00	30.15	11.6	7	73.2	99
06/05/2001	0.37	15.61	67	59	75	6.0	19	91	71	100	30.04	29.97	30.08	19.1	10	72.6	95
06/06/2001	0.46	16.07	70	64	80	5.1	18	96	81	100	30.09	29.94	32.30	21.7	10	73.8	96
06/07/2001	0.14	16.21	65	63	71	6.9	18	98	86	100	29.91	29.90	29.94	24.6	18	64.2	76
06/08/2001	0.00	16.21	70	58	80	4.8	10	88	61	100	29.91	29.88	29.93	18.5	9	73.9	99
06/09/2001	0.00	16.21	72	62	79	6.1	12	79	56	100	29.91	29.87	29.93	16.4	8	77.3	100
06/10/2001	0.00	16.21	74	64	86	6.2	15	75	33	100	29.94	29.91	29.98	14.8	7	78.3	110
06/11/2001	0.00	16.21	74	62	81	8.7	20	93	81	100	29.91	29.82	29.98	17.7	9	79.6	101
06/12/2001	0.00	16.21	76	68	88	6.4	17	89	65	100	29.85	29.82	29.88	17.0	9	82.3	105
06/13/2001	0.00	16.21	75	67	86	5.0	14	92	76	100	29.94	29.86	30.00	17.4	9	81.1	105
06/14/2001	0.00	16.21	76	68	83	9.8	19	95	84	100	30.04	29.99	30.07	17.9	9	82.9	106
06/15/2001	0.00	16.21	77	73	83	12.5	22	96	86	100	29.97	29.91	30.03	18.7	9	83.0	104
06/16/2001	0.38	16.59	76	74	82	13.0	35	98	87	100	29.83	29.70	29.91	21.5	10	79.4	102
06/17/2001	0.11	16.70	77	70	89	9.8	34	80	45	100	29.96	29.73	30.08	17.2	9	81.5	108
06/18/2001	0.00	16.70	75	68	83	7.3	24	74	51	100	30.21	30.09	30.26	12.9	8	80.8	106
06/19/2001	0.00	16.70	74	59	82	6.5	15	85	62	100	30.26	30.22	30.30	16.4	8	79.8	104
06/20/2001	0.00	16.70	76	70	83	8.8	19	92	75	100	30.18	30.13	30.22	17.5	9	82.5	105
06/21/2001	0.00	16.70	76	71	83	7.8	15	93	80	100	30.10	30.05	30.14	17.3	9	82.7	104
06/22/2001	0.00	16.70	77	70	85	7.3	16	92	77	100	30.00	29.93	30.05	17.8	8	83.7	108
06/23/2001	1.13	17.83	74	72	81	8.0	29	98	90	100	29.99	29.93	30.05	22.7	14	76.6	94
06/24/2001	0.00	17.83	70	68	78	5.1	13	93	74	100	30.12	30.03	30.16	20.5	11	72.6	93
06/25/2001	0.00	17.83	73	62	81	6.3	20	87	65	100	30.22	30.15	30.28	16.6	9	78.5	105
06/26/2001	0.00	17.83	76	63	88	5.4	12	86	59	100	30.33	30.29	30.35	16.2	8	82.2	111
06/27/2001	0.00	17.83	79	67	89	6.6	18	85	53	100	30.29	30.22	30.36	16.2	8	86.0	113
06/28/2001	0.00	17.83	83	73	94	5.2	13	84	61	100	30.14	30.08	30.19	15.5	8	89.7	118
06/29/2001	0.00	17.83	82	74	90	4.4	9	88	68	100	30.10	30.06	30.16	16.6	8	88.3	112
06/30/2001	0.00	17.83	83	75	94	8.6	25	85	54	100	30.02	29.97	30.07	16.0	8	90.0	117

Monthly summary:

Total Annual rain rain		Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.82	17.83	74	47	94	7.4	35	88	33	100	30.04	29.7	32.3	17.67	7	78.88	118

*** Missing Data

July 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
07/01/2001	0.41	18.24	82	76	90	10.4	43	80	60	100	29.92	29.84	29.98	15.5	8	86.0	105
07/02/2001	0.00	18.24	67	62	84	8.0	29	68	47	100	30.17	29.94	30.29	14.9	9	71.7	100
07/03/2001	0.00	18.24	70	49	78	7.2	19	76	51	100	30.22	30.13	30.30	14.1	7	75.3	99
07/04/2001	0.04	18.28	76	72	82	9.2	21	95	83	100	29.99	29.90	30.10	18.0	9	82.2	103
07/05/2001	0.53	18.81	76	72	85	7.4	20	88	63	100	29.89	29.84	29.93	17.1	9	83.3	106
07/06/2001	0.00	18.81	72	66	81	6.4	22	77	45	100	30.06	29.91	30.16	16.6	9	78.0	108
07/07/2001	0.00	18.81	73	57	81	6.9	17	75	53	100	30.13	30.03	30.19	13.8	7	78.9	108
07/08/2001	0.00	18.81	72	70	80	8.5	25	91	77	100	29.89	29.82	29.99	17.0	10	75.5	98
07/09/2001	0.00	18.81	76	67	83	3.9	11	92	74	100	29.81	29.78	29.83	16.4	8	82.9	109
07/10/2001	0.01	18.82	80	68	94	7.2	21	80	41	100	29.78	29.73	29.81	15.6	7	86.9	117
07/11/2001	0.00	18.82	80	70	91	7.7	22	71	50	100	29.74	29.68	29.86	13.8	8	83.7	110
07/12/2001	0.00	18.82	75	69	84	6.0	16	64	42	100	29.93	29.86	29.95	9.1	6	80.8	110
07/13/2001	0.00	18.82	73	63	83	5.2	17	77	47	100	29.92	29.89	29.94	11.6	7	77.8	106
07/14/2001	0.00	18.82	73	58	83	4.4	15	74	49	100	29.90	29.86	29.93	12.4	6	76.8	109
07/15/2001	0.00	18.82	76	61	85	6.0	12	73	52	100	29.99	29.92	30.04	12.7	6	81.4	110
07/16/2001	0.00	18.82	78	67	90	7.7	20	78	47	100	30.06	30.03	30.09	13.9	7	84.5	116
07/17/2001	0.00	18.82	78	69	92	9.0	21	84	49	100	30.06	30.00	30.08	15.4	7	85.3	113
07/18/2001	0.13	18.95	72	70	76	4.7	20	98	90	100	30.00	29.99	30.04	23.6	14	72.5	81
07/19/2001	0.01	18.96	71	69	78	11.8	31	93	82	100	30.08	30.02	30.13	19.8	11	76.1	95
07/20/2001	0.00	18.96	70	65	78	10.0	25	84	67	100	30.11	30.08	30.14	16.1	9	77.0	101
07/21/2001	0.00	18.96	70	62	79	5.6	16	87	68	100	30.06	30.03	30.10	16.0	8	76.9	106
07/22/2001	0.00	18.96	73	56	81	4.7	11	90	75	100	30.04	30.01	30.07	16.1	8	79.5	109
07/23/2001	0.00	18.96	78	67	86	5.8	15	93	79	100	30.04	30.02	30.07	17.0	8	85.2	112
07/24/2001	0.00	18.96	79	72	85	9.8	28	92	80	100	29.99	29.94	30.03	16.5	8	85.8	111
07/25/2001	0.00	18.96	80	75	90	11.9	26	87	65	100	29.99	29.96	30.00	16.1	8	85.6	108
07/26/2001	0.52	19.48	75	70	85	11.8	29	95	79	100	29.97	29.93	30.07	21.0	11	77.5	98
07/27/2001	0.00	19.48	70	66	76	11.0	26	81	66	100	30.21	30.07	30.28	17.9	10	75.7	99
07/28/2001	0.00	19.48	71	58	78	5.7	12	78	62	100	30.25	30.18	30.30	14.6	8	77.8	105
07/29/2001	2.27	21.75	66	61	70	14.8	32	99	86	100	30.07	29.96	30.18	24.9	16	65.9	68
07/30/2001	0.15	21.90	70	66	77	12.3	33	94	76	100	30.07	29.95	30.16	22.8	13	73.2	94
07/31/2001	0.00	21.90	69	64	77	5.6	17	86	73	100	30.25	30.15	30.31	16.8	9	75.9	105

Monthly summary:

Total Annual rain rain		Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
4.07	21.9	74	49	94	8.0	43	84	41	100	30.02	29.68	30.31	16.35	6	79.21	117

August 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
08/01/2001	0.00	21.90	71	58	81	4.3	9	84	61	100	30.35	30.30	30.39	15.2	8	76.7	108
08/02/2001	0.00	21.90	73	62	82	5.7	15	89	71	100	30.28	30.18	30.35	16.8	8	79.3	108
08/03/2001	0.00	21.90	74	65	82	6.7	16	91	76	100	30.07	29.98	30.17	17.6	8	81.3	108
08/04/2001	0.00	21.90	74	69	79	6.0	13	98	93	100	30.00	29.95	30.05	20.5	12	76.6	88
08/05/2001	0.00	21.90	76	70	85	4.3	11	95	81	100	30.13	30.04	30.19	18.3	8	82.7	110
08/06/2001	0.00	21.90	78	70	91	6.8	20	91	72	100	30.16	30.12	30.19	17.1	9	85.0	114
08/07/2001	0.00	21.90	80	72	92	7.0	16	89	70	100	30.05	29.99	30.12	16.5	8	87.3	114
08/08/2001	0.00	21.90	85	73	97	6.4	18	83	57	100	29.98	29.94	30.00	14.8	7	92.1	121
08/09/2001	0.00	21.90	82	75	94	7.2	17	91	67	100	29.97	29.93	30.01	16.8	8	89.1	113
08/10/2001	0.00	21.90	78	74	85	8.5	28	96	85	100	29.94	29.90	30.00	18.5	9	84.3	109
08/11/2001	0.00	21.90	78	70	86	4.4	18	94	81	100	30.03	29.97	30.09	17.4	9	84.1	110
08/12/2001	1.63	23.53	76	71	86	8.1	31	97	81	100	30.09	30.05	30.13	20.4	11	79.3	104
08/13/2001	0.15	23.68	73	69	82	6.4	20	99	91	100	29.99	29.91	30.05	24.5	17	75.6	96
08/14/2001	0.03	23.71	74	68	80	5.5	14	98	87	100	29.93	29.90	29.96	22.3	14	76.8	98
08/15/2001	0.00	23.71	75	70	82	8.2	22	92	74	100	30.03	29.95	30.09	18.8	9	81.5	108
08/16/2001	0.00	23.71	76	67	84	5.5	13	92	76	100	30.12	30.06	30.16	18.0	8	82.8	111
08/17/2001	0.02	23.73	78	72	87	9.8	22	92	68	100	30.05	30.00	30.09	18.6	8	84.0	110
08/18/2001	0.45	24.18	76	72	84	5.2	27	96	84	100	29.99	29.92	30.05	20.0	10	81.0	107
08/19/2001	0.14	24.32	75	70	79	5.8	14	99	95	100	29.93	29.90	29.95	23.5	14	76.6	89
08/20/2001	0.00	24.32	75	70	82	7.3	18	97	85	100	29.94	29.91	29.98	20.9	10	81.0	106
08/21/2001	0.00	24.32	77	71	86	6.2	16	78	58	100	30.04	29.98	30.09	15.3	8	81.6	107
08/22/2001	0.00	24.32	77	68	86	4.6	11	87	62	100	30.11	30.07	30.14	16.7	7	82.9	114
08/23/2001	0.25	24.57	76	68	83	8.0	23	93	80	100	30.02	29.93	30.09	18.0	9	81.6	107
08/24/2001	0.00	24.57	75	71	82	7.8	23	92	75	100	30.01	29.93	30.06	19.1	10	80.6	104
08/25/2001	0.00	24.57	74	68	81	9.0	23	85	62	100	30.12	30.06	30.14	16.4	8	80.3	108
08/26/2001	0.00	24.57	75	67	83	5.7	15	92	77	100	30.05	29.98	30.11	17.3	8	82.7	111
08/27/2001	0.84	25.41	76	68	83	7.5	36	94	81	100	29.92	29.86	29.96	18.3	9	82.2	106
08/28/2001	0.00	25.41	76	69	83	6.0	17	97	88	100	29.94	29.90	29.98	21.1	11	79.4	99
08/29/2001	0.00	25.41	76	71	83	5.8	15	92	75	100	30.03	29.95	30.06	19.2	10	80.5	104
08/30/2001	0.00	25.41	77	71	85	5.1	12	96	84	100	30.04	29.99	30.08	19.3	9	83.0	110
08/31/2001	0.00	25.41	77	72	84	7.3	21	97	86	100	29.90	29.81	29.98	20.3	10	81.3	102

Monthly summary:

Total Annual rain rain	Avg Min Max temp temp temp	Avg Max wind wind	Avg Min Max RH RH RH	Avg Min Max BP BP BP	Avg Min FM FM	Avg Max FT FT
3.51 25.41	76 58 97	6.5 36	92 57 100	30.04 29.81 30.39	18.63 7	81.72 121

September 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
09/01/2001	0.10	25.51	73	72	81	5.0	20	92	77	100	29.92	29.80	30.01	22.8	15	72.5	88
09/02/2001	0.00	25.51	72	62	81	8.5	21	82	56	98	30.06	30.01	30.09	16.8	8	78.4	108
09/03/2001	0.00	25.51	73	66	81	5.6	15	88	69	100	30.06	30.01	30.11	16.7	8	78.0	107
09/04/2001	0.00	25.51	77	65	86	7.8	19	88	66	100	29.97	29.93	30.01	17.3	8	82.7	108
09/05/2001	0.00	25.51	71	69	80	7.5	21	86	69	100	30.10	29.98	30.18	15.6	8	76.6	106
09/06/2001	0.00	25.51	72	56	82	4.9	10	77	54	100	30.19	30.16	30.23	13.8	7	77.4	109
09/07/2001	0.00	25.51	74	58	82	5.0	12	83	63	100	30.15	30.13	30.18	14.2	7	78.9	110
09/08/2001	0.00	25.51	77	68	85	6.5	13	89	71	100	30.16	30.13	30.18	16.8	8	83.0	112
09/09/2001	0.00	25.51	77	65	86	5.0	11	92	74	100	30.19	30.16	30.23	17.8	8	82.2	113
09/10/2001	0.06	25.57	78	73	85	7.2	21	94	80	100	30.12	30.07	30.17	18.7	9	83.6	109
09/11/2001	0.00	25.57	75	69	85	7.2	20	70	42	98	30.13	30.08	30.17	14.5	8	79.7	111
09/12/2001	0.00	25.57	72	66	80	7.0	17	76	67	100	30.18	30.14	30.22	12.0	7	77.4	108
09/13/2001	0.00	25.57	72	55	82	5.8	16	78	57	100	30.11	30.04	30.16	13.6	7	76.0	108
09/14/2001	0.05	25.62	62	57	72	8.8	26	94	84	100	30.11	30.01	30.18	23.6	17	60.4	74
09/15/2001	0.00	25.62	64	55	70	11.5	28	69	57	96	30.14	30.12	30.18	14.7	9	68.2	91
09/16/2001	0.00	25.62	66	59	75	9.9	24	73	55	100	30.07	30.05	30.12	11.4	7	71.5	99
09/17/2001	0.00	25.62	64	58	76	5.7	14	87	63	100	30.09	30.06	30.14	15.0	8	68.0	102
09/18/2001	0.00	25.62	68	54	79	4.8	14	87	64	100	30.06	30.03	30.09	15.7	7	70.5	104
09/19/2001	0.00	25.62	71	56	81	6.3	17	87	65	100	30.13	30.10	30.16	17.0	8	75.7	105
09/20/2001	0.24	25.86	71	69	77	8.5	19	99	91	100	30.08	30.02	30.12	24.5	18	70.9	84
09/21/2001	0.45	26.31	72	65	81	4.3	21	95	77	100	30.03	30.00	30.07	22.0	11	76.4	104
09/22/2001	0.00	26.31	73	69	80	4.5	13	93	70	100	30.04	30.00	30.07	19.9	10	77.5	103
09/23/2001	0.00	26.31	71	67	77	5.1	12	***	***	***	30.07	30.03	30.12	21.9	13	74.0	90
09/24/2001	0.92	27.23	74	69	82	10.3	33	***	***	***	29.91	29.78	30.02	20.9	11	78.0	99
09/25/2001	0.13	27.36	67	65	72	7.6	23	***	***	***	29.90	29.77	30.03	22.9	17	67.1	82
09/26/2001	0.00	27.36	61	54	71	6.5	21	***	***	***	30.03	29.99	30.08	13.5	9	66.8	98
09/27/2001	0.00	27.36	64	52	75	6.6	22	***	***	***	29.98	29.93	30.03	13.8	8	67.8	99
09/28/2001	0.00	27.36	59	51	69	8.1	19	***	***	***	30.00	29.97	30.04	11.7	7	64.6	95
09/29/2001	0.00	27.36	60	51	70	11.6	38	***	***	***	30.05	30.01	30.09	13.3	8	65.0	92
09/30/2001	0.01	27.37	54	51	62	13.9	33	***	***	***	30.01	29.92	30.05	18.4	12	54.8	62

Monthly summary:

Total Annual rain rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
1.96 27.37	69	51	86	7.2	38	85	42	100	30.07	29.77	30.23	17.03	7	73.45	113

*** Missing Data

October 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
10/01/2001	0.01	27.38	54	50	57	8.9	28	***	***	***	29.92	29.90	29.94	22.2	14	54.6	63
10/02/2001	0.00	27.38	65	54	79	4.9	13	***	***	***	30.01	29.91	30.10	17.2	8	69.5	102
10/03/2001	0.00	27.38	68	55	81	6.1	17	***	***	***	30.10	30.06	30.15	19.0	8	71.5	104
10/04/2001	0.00	27.38	68	62	78	6.9	17	***	***	***	30.08	30.04	30.12	18.7	8	72.3	99
10/05/2001	0.00	27.38	69	60	80	10.4	29	***	***	***	30.02	29.90	30.12	19.1	9	73.5	99
10/06/2001	0.24	27.62	61	55	72	9.3	35	***	***	***	29.92	29.82	30.04	24.9	20	59.1	73
10/07/2001	0.00	27.62	54	49	61	9.0	24	***	***	***	30.20	30.04	30.35	12.6	9	57.5	81
10/08/2001	0.00	27.62	50	45	59	6.7	21	***	***	***	30.50	30.35	30.60	9.6	7	53.0	82
10/09/2001	0.00	27.62	55	43	66	4.6	11	***	***	***	30.59	30.52	30.66	10.7	7	58.5	92
10/10/2001	0.00	27.62	62	44	72	5.9	15	***	***	***	30.45	30.36	30.51	16.7	8	64.7	94
10/11/2001	0.00	27.62	65	54	76	6.1	15	***	***	***	30.30	30.19	30.40	19.7	9	67.3	99
10/12/2001	0.00	27.62	65	52	75	4.0	9	***	***	***	30.16	30.12	30.22	19.7	9	67.2	97
10/13/2001	0.00	27.62	66	56	76	5.2	11	***	***	***	30.14	30.11	30.17	18.9	9	69.9	99
10/14/2001	0.22	27.84	68	63	76	11.8	32	***	***	***	29.98	29.84	30.11	20.1	10	72.5	96
10/15/2001	0.01	27.85	63	59	73	6.8	21	***	***	***	30.12	29.91	30.22	16.5	9	64.5	93
10/16/2001	0.00	27.85	64	47	73	9.9	54	***	***	***	29.99	29.83	30.21	15.4	9	67.6	95
10/17/2001	0.00	27.85	55	52	66	12.6	33	***	***	***	30.08	29.93	30.26	11.8	8	57.7	77
10/18/2001	0.00	27.85	52	46	63	5.1	21	***	***	***	30.30	30.26	30.37	9.0	7	54.1	88
10/19/2001	0.00	27.85	57	36	67	6.5	17	***	***	***	30.18	30.10	30.27	14.3	8	60.2	91
10/20/2001	0.00	27.85	63	57	77	5.8	17	***	***	***	30.14	30.08	30.22	17.0	8	63.1	98
10/21/2001	0.00	27.85	65	50	75	5.7	15	***	***	***	30.20	30.12	30.28	19.4	9	67.2	99
10/22/2001	0.00	27.85	66	60	77	4.5	16	***	***	***	30.04	29.99	30.11	18.3	9	67.3	99
10/23/2001	0.00	27.85	67	56	76	4.9	14	***	***	***	29.92	29.84	30.00	20.3	9	69.3	96
10/24/2001	0.00	27.85	69	64	74	8.3	18	***	***	***	29.80	29.76	29.85	21.5	10	72.5	94
10/25/2001	0.00	27.85	69	58	82	11.4	30	45	26	63	29.77	29.70	29.87	15.1	9	69.7	97
10/26/2001	0.00	27.85	56	52	64	13.9	35	36	27	45	29.92	29.85	30.01	8.9	7	57.8	79
10/27/2001	0.00	27.85	49	44	57	11.0	30	47	35	58	30.09	30.00	30.23	9.2	7	51.7	76
10/28/2001	0.00	27.85	47	41	55	10.0	34	46	33	63	30.43	30.26	30.52	9.3	7	49.8	74
10/29/2001	0.00	27.85	50	40	62	4.8	12	56	27	79	30.48	30.38	30.58	10.7	6	53.7	83
10/30/2001	0.00	27.85	55	46	66	7.9	22	59	38	81	30.44	30.37	30.51	13.8	8	57.0	86
10/31/2001	0.00	27.85	59	45	68	6.2	16	65	44	98	30.45	30.38	30.52	13.5	7	59.9	88

Monthly summary:

Total Annual rain rain		Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
0.48	27.85	60	36	82	7.6	54	51	26	98	30.15	29.7	30.66	15.9	6	63.03	104

*** Missing Data

November 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
11/01/2001	0.00	27.85	59	46	58	6.1	15	96	73	100	30.35	30.32	30.41	17.1	7	58.7	82
11/02/2001	0.00	27.85	64	59	71	8.0	22	88	71	100	30.29	30.22	30.36	19.8	11	65.0	81
11/03/2001	0.00	27.85	62	55	75	5.4	17	84	61	100	30.20	30.15	30.23	19.5	11	58.9	83
11/04/2001	0.00	27.85	57	50	67	6.2	19	62	39	83	30.14	30.00	30.25	13.4	8	57.1	80
11/05/2001	0.00	27.85	51	43	59	9.1	24	43	32	66	30.09	30.01	30.16	9.6	7	51.6	71
11/06/2001	0.00	27.85	49	41	57	8.8	27	50	39	62	30.11	30.06	30.13	9.4	8	49.2	67
11/07/2001	0.00	27.85	55	47	68	7.3	20	58	35	88	30.14	30.08	30.21	10.1	7	52.9	77
11/08/2001	0.00	27.85	57	44	66	5.3	13	80	53	98	30.14	29.99	30.26	16.2	9	56.1	77
11/09/2001	0.00	27.85	51	36	60	6.7	38	59	32	98	30.21	30.01	30.29	12.9	8	48.2	73
11/10/2001	0.00	27.85	55	34	64	9.5	25	68	47	100	30.05	29.90	30.24	12.0	9	52.9	74
11/11/2001	0.00	27.85	51	41	61	7.0	24	48	38	79	30.18	29.93	30.38	10.2	8	49.8	73
11/12/2001	0.00	27.85	43	31	52	4.5	20	56	32	88	30.48	30.39	30.55	9.6	7	40.5	66
11/13/2001	0.00	27.85	50	39	59	5.4	12	57	35	74	30.52	30.44	30.60	11.2	8	49.5	74
11/14/2001	0.00	27.85	52	41	65	4.3	15	85	56	100	30.34	30.27	30.42	14.3	9	47.7	78
11/15/2001	0.00	27.85	53	43	70	3.7	10	88	46	100	30.20	30.15	30.27	16.5	10	47.3	81
11/16/2001	0.00	27.85	58	47	75	4.0	16	73	35	100	30.15	30.10	30.22	14.3	8	54.4	85
11/17/2001	0.00	27.85	55	48	61	11.3	25	70	61	77	30.36	30.23	30.45	13.7	11	54.0	70
11/18/2001	0.00	27.85	54	44	62	5.0	14	74	54	93	30.37	30.28	30.44	15.1	9	53.5	75
11/19/2001	0.00	27.85	57	45	64	8.9	24	87	70	100	30.12	29.91	30.27	20.1	11	55.8	75
11/20/2001	0.00	27.85	49	40	60	9.2	30	65	42	95	30.00	29.84	30.13	17.4	12	47.3	57
11/21/2001	0.00	27.85	42	33	52	5.2	16	62	37	94	30.15	30.10	30.21	11.6	9	39.4	65
11/22/2001	0.00	27.85	47	36	59	5.1	14	72	38	100	30.16	30.14	30.19	14.1	10	41.8	68
11/23/2001	0.00	27.85	53	34	63	3.2	12	90	62	100	30.22	30.17	30.25	16.0	10	50.3	74
11/24/2001	0.00	27.85	60	56	63	7.7	15	91	83	100	30.26	30.22	30.30	23.0	17	59.7	65
11/25/2001	0.00	27.85	61	57	65	9.0	20	89	77	97	30.18	30.11	30.25	22.3	16	60.9	69
11/26/2001	0.00	27.85	56	43	63	3.9	13	94	84	100	30.14	30.11	30.16	22.7	15	53.8	71
11/27/2001	0.00	27.85	56	39	64	3.5	11	93	75	100	30.15	30.13	30.18	22.0	13	54.6	74
11/28/2001	0.00	27.85	61	58	69	4.8	12	96	75	100	30.21	30.15	30.25	23.1	14	62.1	77
11/29/2001	0.00	27.85	59	58	63	6.6	14	99	89	100	30.22	30.15	30.28	24.7	17	60.1	69
11/30/2001	0.00	27.85	62	58	65	9.8	23	94	84	100	30.08	30.02	30.16	24.2	19	61.8	69

Monthly summary:

Total rain	Annual rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
0	27.85	55	31	75	6.5	38	76	32	100	30.21	29.84	30.6	16.2	7	53.16	85

December 2001

	Rainfall [inches]		Air Temperature [degrees F]			Wind speed [mph]		Relative Humidity [percent]			Barometric Pressure [inches]			Fuel Moist. [percent]		Fuel Temp. [Degrees F]	
Date	daily total	total for year	avg	min	max	avg	max	avg	min	max	avg	min	max	avg	min	avg	max
12/01/2001	0.00	27.85	61	54	73	5.8	18	89	64	100	30.10	30.04	30.17	22.0	13	58.8	81
12/02/2001	0.00	27.85	52	46	58	6.7	19	69	58	85	30.26	30.17	30.34	16.3	12	50.7	62
12/03/2001	0.00	27.85	53	***	***	8.0	19	74	60	92	30.34	30.30	30.37	20.4	15	52.3	72
12/04/2001	MISSING DATA																
12/05/2001	MISSING DATA																
12/06/2001	0.00	27.85	60	53	66	7.4	19	81	56	100	30.08	30.00	30.15	17.7	11	59.9	77
12/07/2001	0.01	27.86	58	50	66	4.1	16	79	68	95	30.05	29.98	30.15	21.8	18	56.2	69
12/08/2001	0.11	27.97	56	52	57	8.8	21	86	69	100	30.01	29.84	30.14	22.0	19	55.3	57
12/09/2001	0.03	28.00	48	43	56	9.9	32	70	50	99	30.15	29.86	30.35	22.2	17	47.2	59
12/10/2001	0.10	28.10	50	43	57	6.4	17	82	61	100	30.32	30.22	30.39	20.1	14	51.0	61
12/11/2001	0.64	28.74	54	50	58	9.9	27	93	80	100	30.26	30.19	30.35	26.0	26	52.8	59
12/12/2001	0.18	28.92	54	51	57	8.2	20	92	80	100	30.33	30.22	30.41	25.3	20	53.8	60
12/13/2001	0.00	28.92	55	50	60	6.5	17	100	99	100	30.07	30.00	30.21	26.0	26	55.2	59
12/14/2001	0.01	28.93	59	55	64	8.1	21	98	92	100	29.92	29.82	30.02	26.0	26	58.6	65
12/15/2001	0.00	28.93	50	39	61	9.4	30	59	50	70	30.24	29.94	30.43	17.1	12	49.0	63
12/16/2001	0.00	28.93	41	36	50	4.2	17	71	50	93	30.42	30.29	30.51	17.0	11	41.7	61
12/17/2001	0.56	29.49	54	36	60	8.8	26	82	64	100	29.94	29.52	30.27	21.2	14	54.3	65
12/18/2001	0.47	29.96	52	45	58	10.9	41	68	47	100	29.63	29.30	29.92	20.8	15	51.4	62
12/19/2001	0.00	29.96	49	40	54	7.1	20	73	51	100	29.91	29.72	30.04	18.7	12	48.5	63
12/20/2001	0.00	29.96	45	40	50	11.8	32	52	35	89	29.92	29.72	30.05	16.2	11	44.7	58
12/21/2001	0.00	29.96	41	35	47	11.0	29	46	38	59	30.18	30.06	30.34	11.1	9	40.8	57
12/22/2001	0.00	29.96	36	25	47	5.1	18	63	35	100	30.39	30.33	30.47	12.2	9	33.9	58
12/23/2001	0.00	29.96	47	25	55	9.5	24	79	45	100	30.11	29.80	30.34	17.2	11	45.4	64
12/24/2001	0.44	30.40	43	29	56	6.3	31	79	54	100	29.85	29.73	30.00	25.7	21	41.0	55
12/25/2001	0.00	30.40	39	29	46	4.1	14	54	30	71	30.05	29.94	30.14	18.3	12	36.9	58
12/26/2001	0.00	30.40	36	30	42	6.7	21	64	52	80	29.81	29.74	29.92	17.5	14	35.0	41
12/27/2001	0.00	30.40	35	26	42	6.3	21	53	33	70	29.81	29.75	29.86	14.5	11	34.1	53
12/28/2001	0.00	30.40	37	20	47	6.0	26	66	43	91	29.79	29.70	29.89	16.2	12	32.9	55
12/29/2001	0.00	30.40	42	28	53	8.6	29	55	46	81	29.84	29.73	30.00	15.3	11	41.5	61
12/30/2001	0.00	30.40	29	23	35	8.5	22	46	36	61	30.10	30.03	30.16	11.7	10	28.9	45
12/31/2001	0.00	30.40	31	24	38	4.6	18	50	34	68	30.15	30.10	30.22	11.6	10	31.7	49

Monthly summary:

Total Annual rain rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.55 30.4	47	20	73	7.5	41	72	30	100	30.07	29.3	30.51	18.89	9	46.32	81

*** Missing Data

Works Cited

Department of Commerce, NOAA. *noaanews* website. Dec. 2001
< <http://www.noaanews.noaa.gov/> >.

Maryland Department of the Environment. MDE website, water conservation page. Dec. 2001 < <http://www.mde.state.md.us/waterconservation/> >.