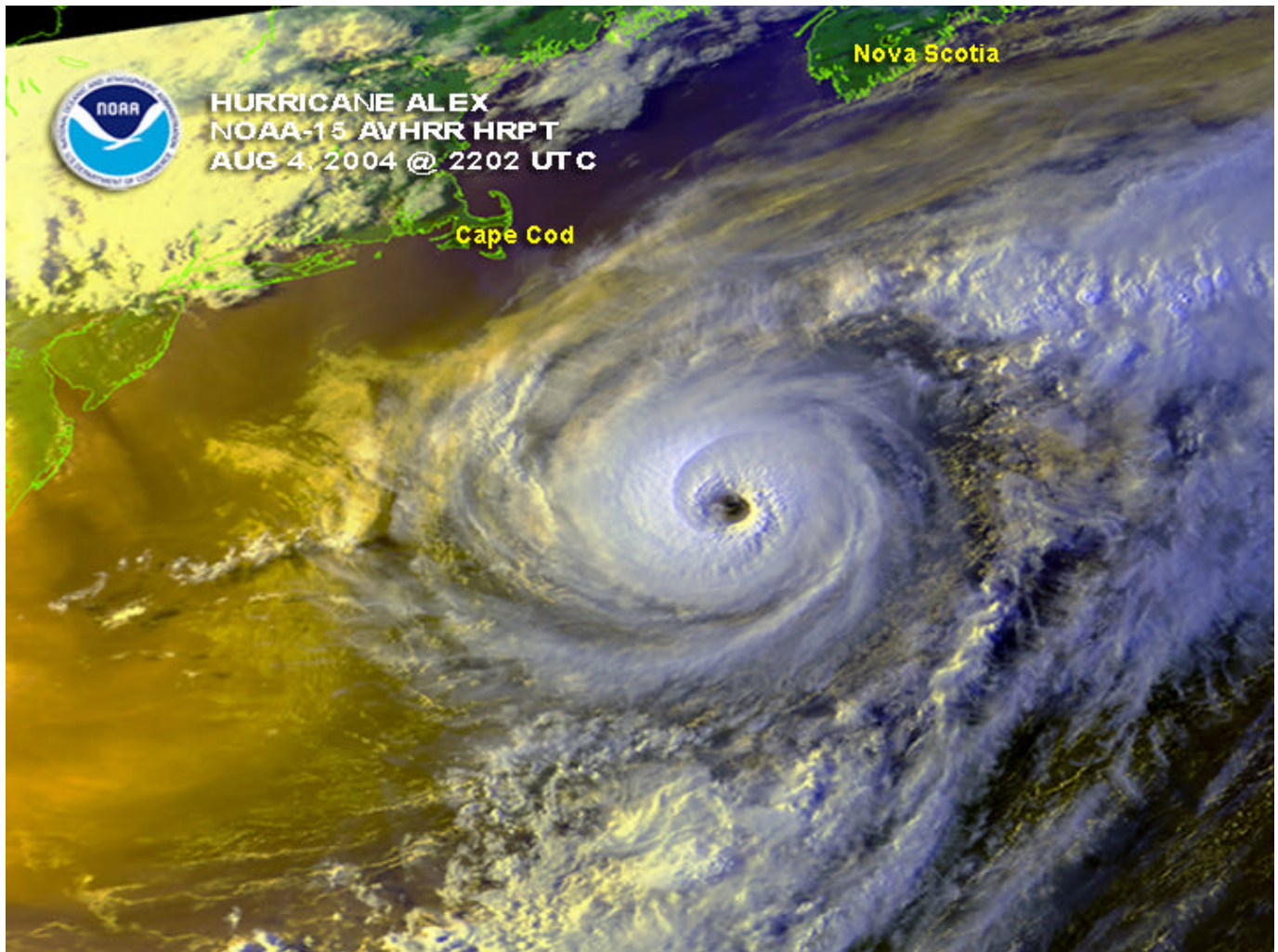


Assateague Island National Seashore

Meteorological Monitoring Program

2004 Weather Data Report



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Abstract

Assateague Island National Seashore (ASIS) continued the operation of two weather data collection stations in Maryland during 2004 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. Two additional limited collection stations were maintained as sources of back-up data at ASIS Headquarters 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), the Maryland State Climatologist and the Worcester County Environmental Programs. This annual report presents a graphical compilation of RAWS data and documents significant weather events in the 2004 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 of 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 2004, meteorological data were collected at three specific locations within, and just outside, the boundaries of ASIS (Fig. 1). The primary data were collected at the Remote Automatic Weather Station (RAWS). Two limited-capability data collection stations were maintained as sources of backup data to RAWS at ASIS Headquarters and at 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.

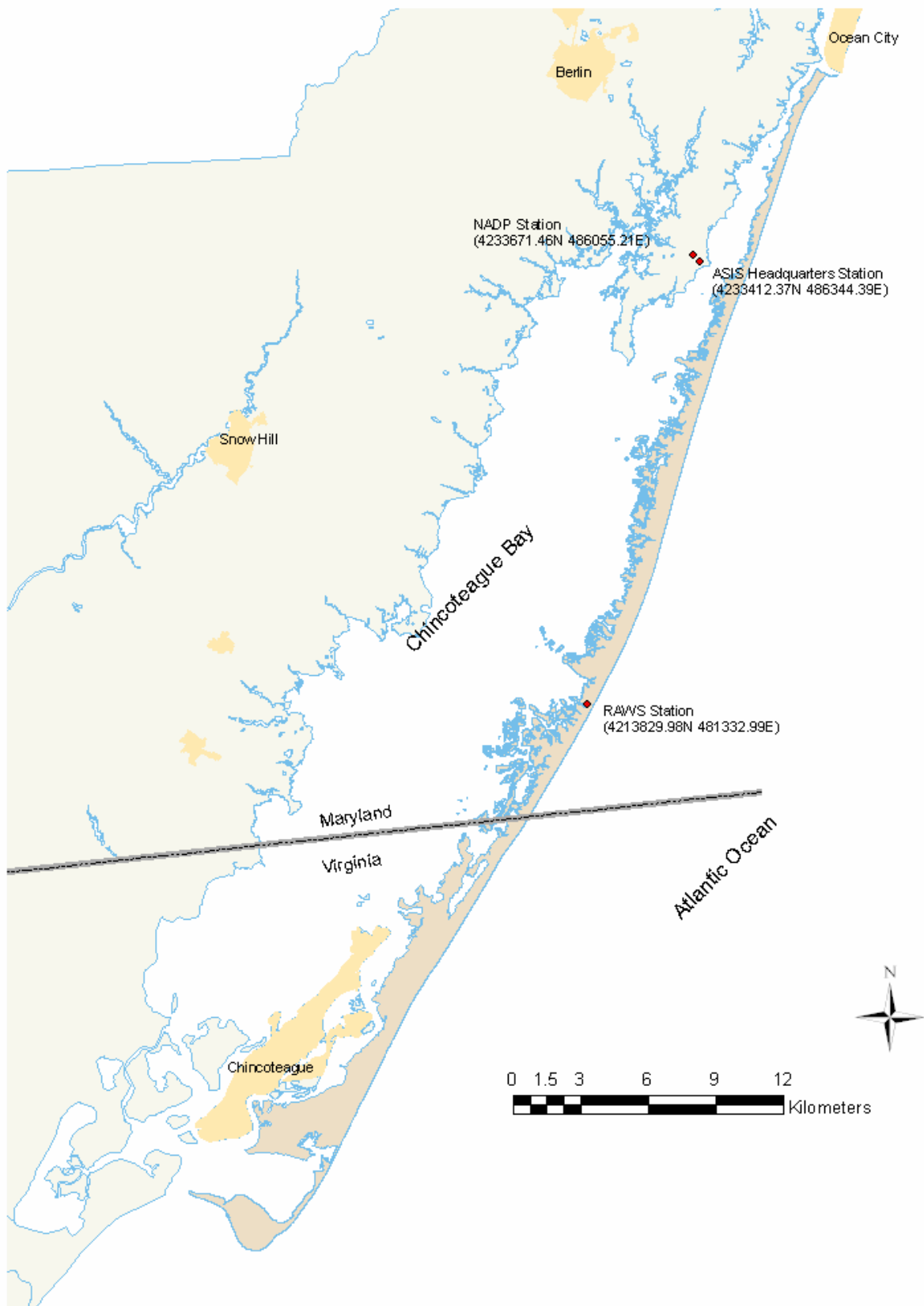


Figure 1. ASIS weather data collection stations

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 40 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 01:40 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 over the internet from the Weather Information Management System (WIMS) monthly. These data are then processed and reported to the National Weather Service (NWS) and the Maryland State Climatologist (University of Maryland, College Park, MD) in a standard NOAA monthly report (see Fig. 2). Processed data are saved in a Microsoft Access database under the RAWS subdirectory on the author’s PC hard drive, while a monthly-updated copy of this database is provided in the ASIS Electronic Library. A BLM-NIFC website, <http://www.nifc.blm.gov/nsdu/weather>, 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 2003. Replacement sensors are supplied by the BLM–NIFC Remote Sensing Support Group Depot Facility, and installed by ASIS personnel.

North Beach Ranger Station

The North Beach Ranger Station weather station was abandoned as a data collection point for Resource management use. The system was unreliable and inaccurate.

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 listed on the NOAA report. 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 author’s PC hard drive.

In operation since September 2000, a Belfort Universal Recording Rain Gauge is checked weekly within 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 instructions. 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 Collecte d	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)	24 hours	5 minutes	288	takes maximum then logs
Min. Air Temp.	degrees (F)	24 hours	5 minutes	288	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	24 hours	5 minutes	288	takes maximum then logs
Min Relative Humidity	percent	24 hours	5 minutes	288	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

Month: December Year: 2003

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

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]
12/1/2003	50	37	49	0.00	8.0	30	
12/2/2003	60	39	39	0.00	9.7	27	
12/3/2003	46	32	32	0.00	6.0	19	
12/4/2003	39	28	37	0.02	3.7	17	
12/5/2003	45	26	47	1.81	22.1	45	
12/6/2003	49	43	34	0.09	11.0	27	
12/7/2003	48	31	32	0.01	10.6	31	
12/8/2003	36	29	34	0.00	4.6	18	
12/9/2003	43	25	38	0.00	2.6	10	
12/10/2003	48	25	50	0.17	11.6	29	
12/11/2003	55	43	50	1.41	18.3	41	
12/12/2003	58	40	39	0.00	6.2	30	
12/13/2003	49	33	35	0.00	7.7	25	
12/14/2003	43	32	46	1.38	20.3	44	
12/15/2003	54	37	40	0.01	13.5	35	
12/16/2003	46	32	41	0.00	5.1	17	
12/17/2003	51	27	46	0.81	12.2	38	
12/18/2003	55	34	36	0.00	10.0	28	
12/19/2003	43	30	34	0.00	6.1	19	
12/20/2003	41	32	35	0.00	6.5	19	
12/21/2003	42	32	36	0.00	8.5	20	
12/22/2003	45	29	43	0.00	7.5	20	
12/23/2003	53	37	48	0.00	8.5	22	
12/24/2003	55	42	49	1.68	9.0	29	
12/25/2003	53	41	40	0.01	8.3	24	
12/26/2003	45	34	38	0.00	10.3	28	
12/27/2003	45	32	40	0.00	5.7	20	
12/28/2003	51	34	40	0.00	3.1	11	
12/29/2003	53	32	43	0.00	5.5	16	
12/30/2003	53	32	49	0.00	8.0	28	
12/31/2003	60	37	42	0.00	5.3	21	
Summary:	60	25	41	7.40	8.9	45	

Figure 2. Sample NOAA/NWS Report

Results and Discussion

Storm Activity

ASIS did not experience any significant storms during 2004, compared to two significant storms in 2003. While ASIS was not significantly impacted, the Hurricane season in the Atlantic Basin was more active than average, with 15 tropical storms and 9 hurricanes, including 6 major hurricanes (3 or higher on the Saffir-Simpson scale). The 1944-1996 average is approximately 10 named storms and 6 hurricanes with 2-3 classified as major (NOAA 2004).

The 2004 hurricane season was the most costly on record (\$42 billion) for the US (NOAA 2005b). The high cost is due to the high number (9) of storms affecting the US coast. Five hurricanes made landfall in the US and Hurricane Alex impacted North Carolina without officially making landfall. Four hurricanes (Charley, Frances, Ivan, and Jeanne) impacted Florida in 2004, the first state to be affected by four hurricanes in one season since Texas in 1886 (NOAA 2004).

The strongest and most costly hurricane of the 2004 season was Hurricane Charley, a category 4 storm at landfall in Florida on 13 August (Figure 3). Charley caused approximately \$14 billion in damage in the US and passed to the east of ASIS on 14 August. Hurricane Charley dumped over 3 inches of rain on Assateague Island. The path of Hurricane Ivan came closest to impacting ASIS as it passed to the west of ASIS on the 19th of September. Hurricane Ivan made landfall in the US near Gulf Shores, AL on September 16th as a category 3 storm (Figure 4). The storm moved slowly northeastward across the southeastern US, eventually weakening to an extratropical low as it moved offshore on the Delmarva Peninsula. Ivan then looped southwestward and westward, crossing Florida on September 21st and making a second landfall as a tropical storm over southwestern LA (NOAA 2004).

NOAA had forecast 12-15 named storms, with 6-8 becoming hurricanes, and 2-4 major hurricanes for the Atlantic basin. This forecast was based on a continuation of a multi-decadal cycle that has been active since 1995, warmer than normal sea surface temperatures, and a neutral ENSO phase. While a weak El Niño began in August 2004, the lack of a Pacific basin-wide structure led to a delayed onset of Atlantic teleconnections, allowing above average activity to continue throughout the season (NOAA 2004). This is in contrast to 1997 and 2002 when El Niño conditions prevented the formation of any major hurricane.

While affecting the US and ASIS in no way, in March 2004 a hurricane developed in the South Atlantic, a comparatively rare event. This was the first recorded hurricane in the South Atlantic basin since satellite records began in 1966. "Hurricane Caterina" made landfall on the coast of Brazil on March 28th (NOAA 2005b).

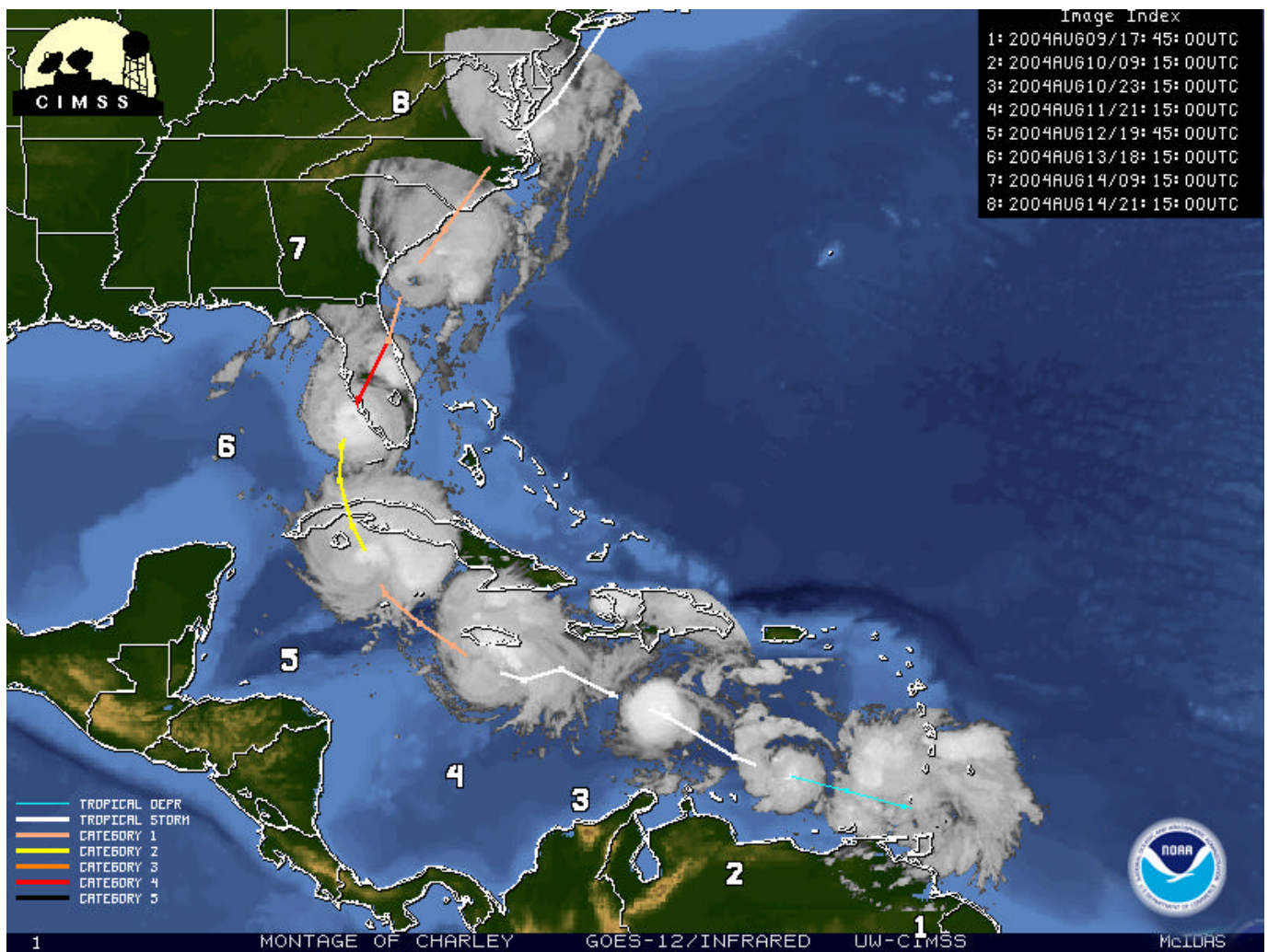


Figure 3. Track of Hurricane Charley August 9, 2004 through August 14, 2004.



Figure 4. Hurricane Ivan makes landfall near Gulf Shores, AL on September 15, 2004.

Precipitation and Drought

The overall Maryland average precipitation for 2004 was 47.08 inches, which makes 2004 the 25th wettest year on record in Maryland (NOAA 2005a). Precipitation records date to 1895. ASIS RAWS received 52.74 inches of precipitation during 2004 (Fig. 5). This is well above the 1992-2003 average of 42.54 inches of precipitation per year. While the year was not as wet as some statewide, it was the third wettest year at Assateague RAWS since 1992. Hydrologic indicators were “Normal” during 2004. Drought emergency conditions were lifted statewide on March 20, 2003 (MDE 2004), after Level 2 restrictions were lifted in Worcester County in November 2002:

On March 20, 2003, Governor Robert L. Ehrlich lifted the drought emergency for Baltimore City due to substantial precipitation that has restored the City's reservoir storage to near-normal levels. Mandatory water use restrictions are no longer in effect for any region of Maryland. Precipitation, ground water levels, and streamflows in all regions are above normal at this time. Maryland citizens are encouraged to remember that water is a very precious resource and must be used wisely. Citizens throughout the state should continue to conserve water in their everyday activities, by repairing leaks, installing low-flow fixtures and appliances, and adopting smart water use habits (MDE 2004).

ASIS precipitation was far above average during July and August, partly reflecting the active Atlantic Hurricane Season (Fig. 6).

Temperatures

NOAA (NOAA 2005b), determined that 2004 was the 24th warmest year on record for the US. The last five 5-year periods were the warmest 5-year periods on record for the United States as was the past decade. The average national temperature during the 2003-2004 winter season was near average with cooler than average temperatures along the eastern seaboard. Spring was the 4th warmest on record nationally with all contiguous states except one warmer than average. Summer was the 9th coolest on record for the US while the fall season was the 12th warmest on record. The 2004 average temperature at ASIS RAWS was 59.08° F, 2.93° F above the 12 year (1992-2003) average temperature of 56.15° F.

RAWS Notes

Sensors were replaced on 18 June, 2004. Data is missing from 1000-1100 LST.

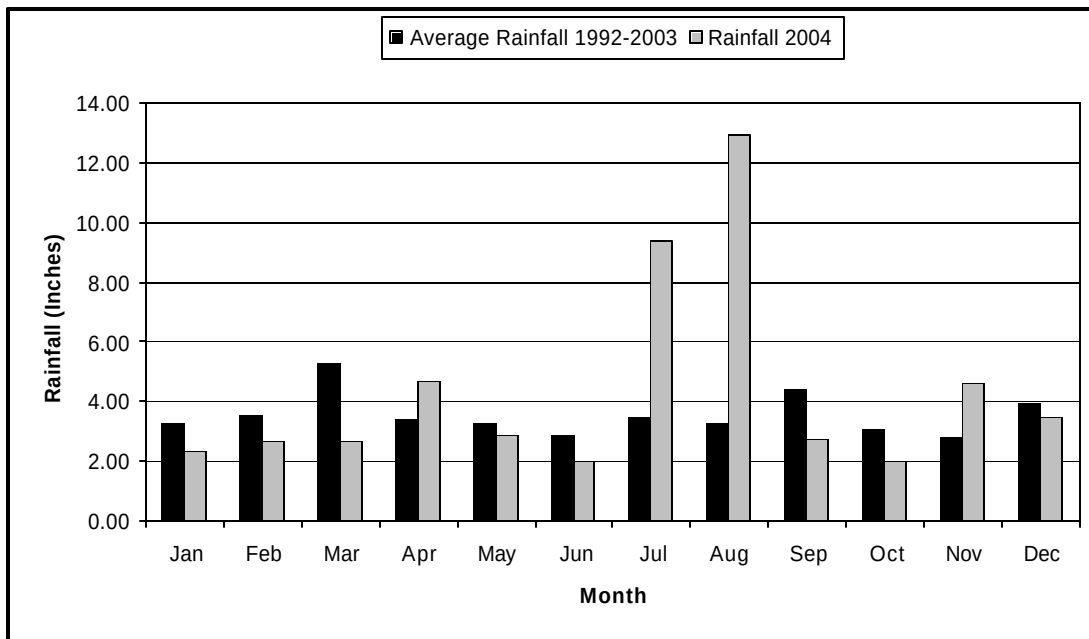


Figure 5. ASIS RAWS monthly rainfall for 2004 compared to average rainfall for the period 1992-2003.

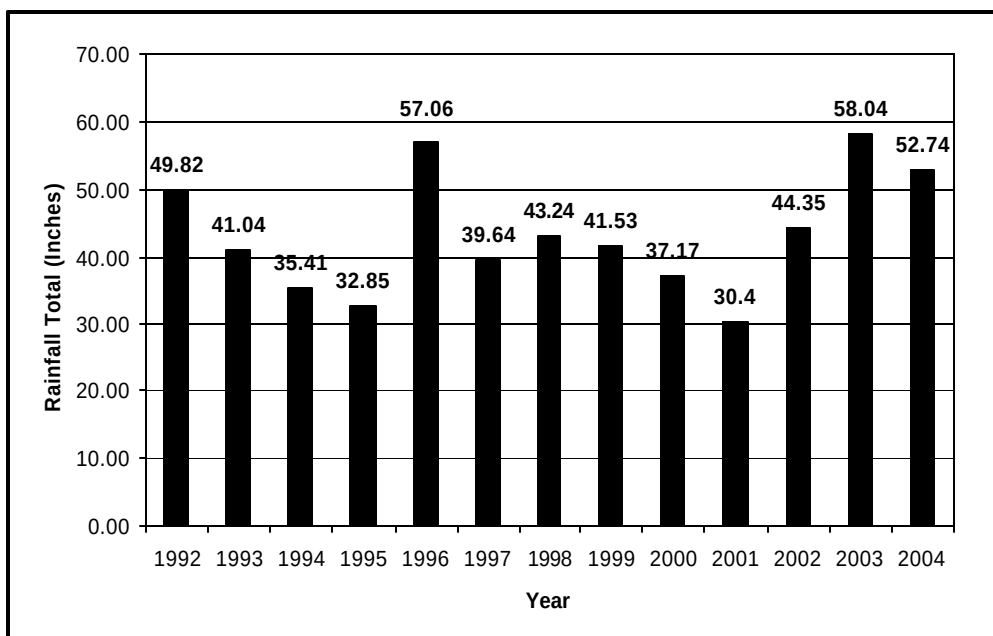


Figure 6. ASIS RAWS annual rainfall for 1992-2004.

Works Cited

Maryland Department of the Environment (MDE). 2004. Drought Information website. *Maryland drought info*. March 20, 2003

< <http://www.mde.state.md.us/water/drought/home/index.asp> >

NOAA, United States Department of Commerce. 2004. National Climatic Data Center (NCDC) website. *Climate of 2004 Atlantic Hurricane Season*. December 13, 2004

< <http://lwf.ncdc.noaa.gov/oa/climate/research/2004/hurricanes04.html> >

NOAA, United States Department of Commerce. 2005a. National Climatic Data Center (NCDC) website. *Climate at a glance: Annual precipitation Maryland*. February 28, 2005

< <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html> >

NOAA, United States Department of Commerce. 2005b. National Climatic Data Center (NCDC) website. *Climate of 2004 Annual Review*. January 13, 2005

< <http://www.ncdc.noaa.gov/oa/climate/research/2004/ann/ann04.html> >

Appendix A

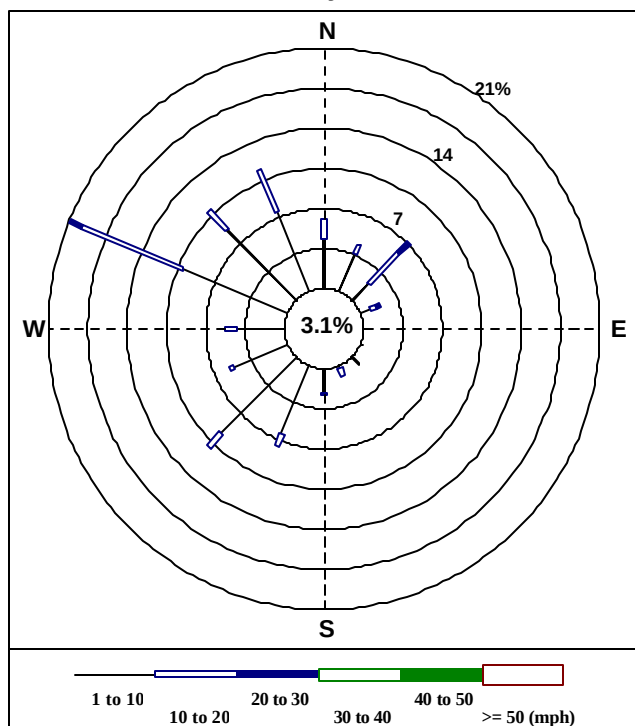
2004 Graphics

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 (18 June 2004, 1000-1100 LST), data from ASIS Headquarters station were substituted for missing RAWS data.

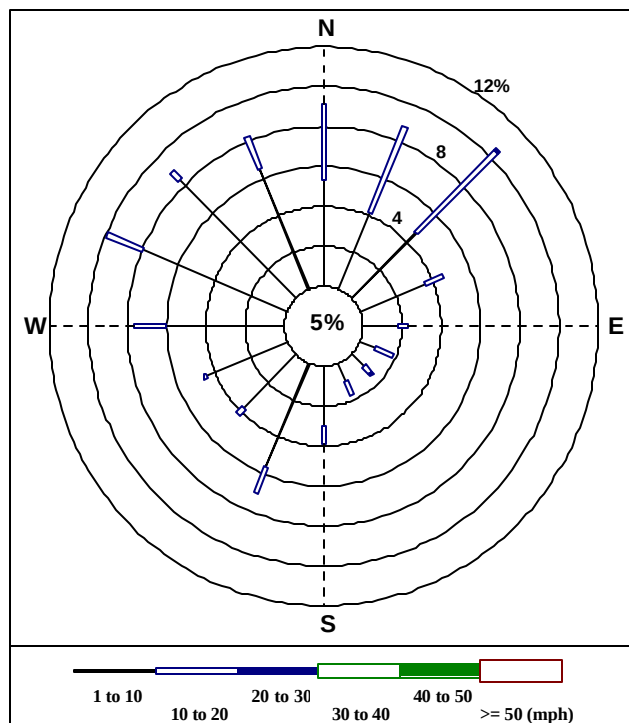
Assateague Island National Seashore Windroses

Average Wind Speed (MPH) and Direction, Compiled Hourly

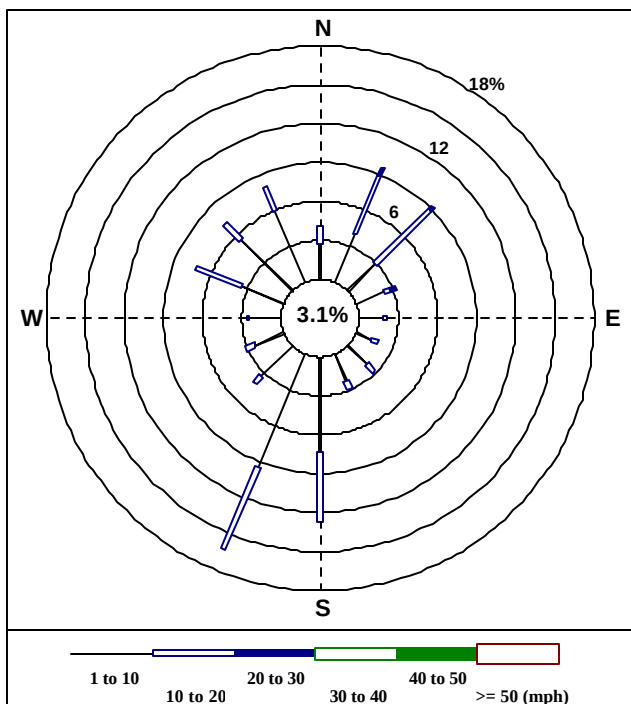
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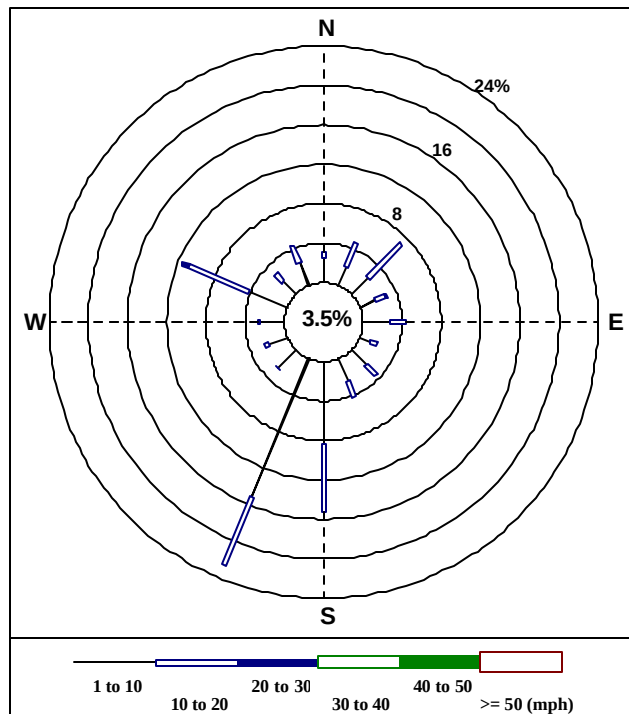
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March 2004

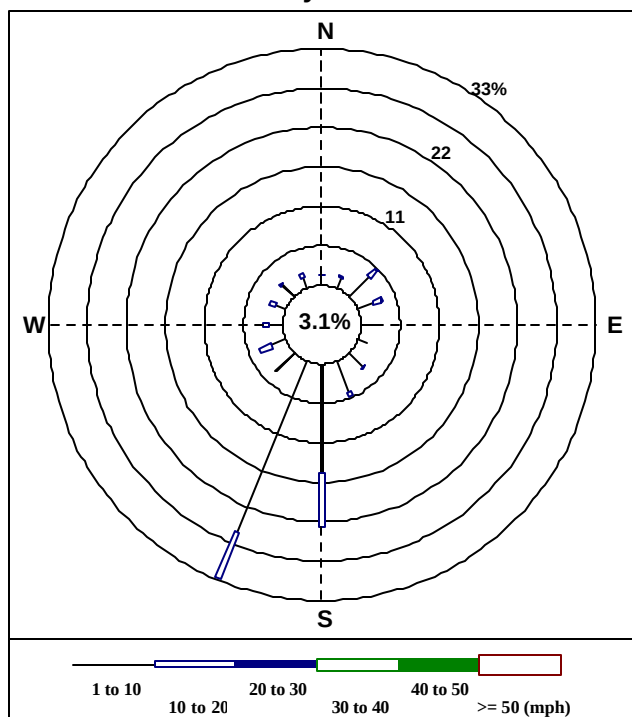


April 2004

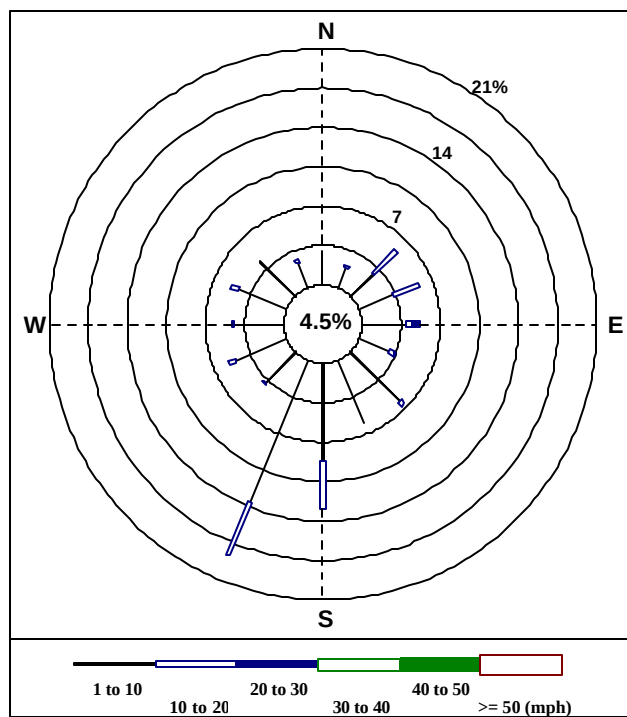


The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

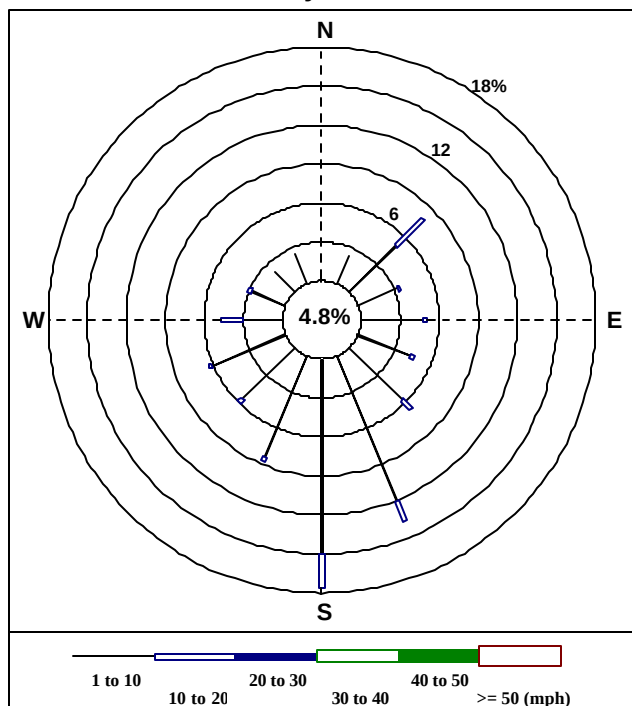
Assateague Island National Seashore Windroses Average Wind Speed (MPH) and Direction, Compiled Hourly May 2004



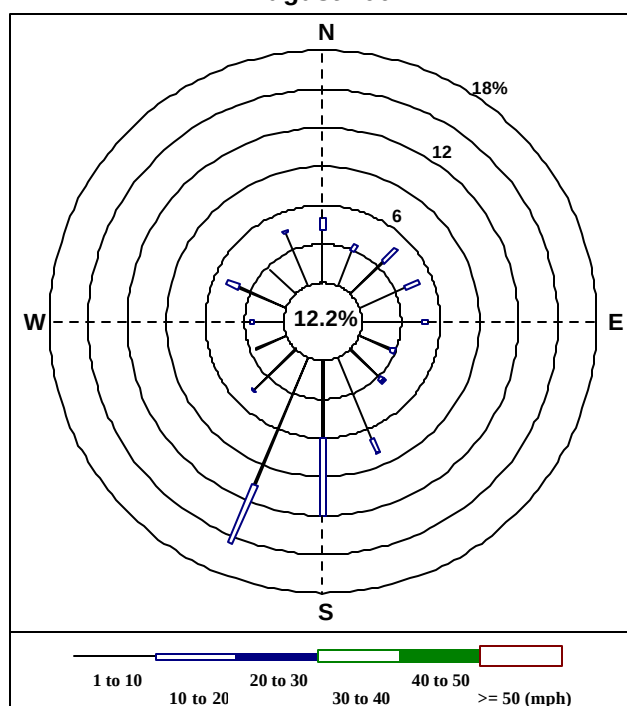
June 2004



July 2004



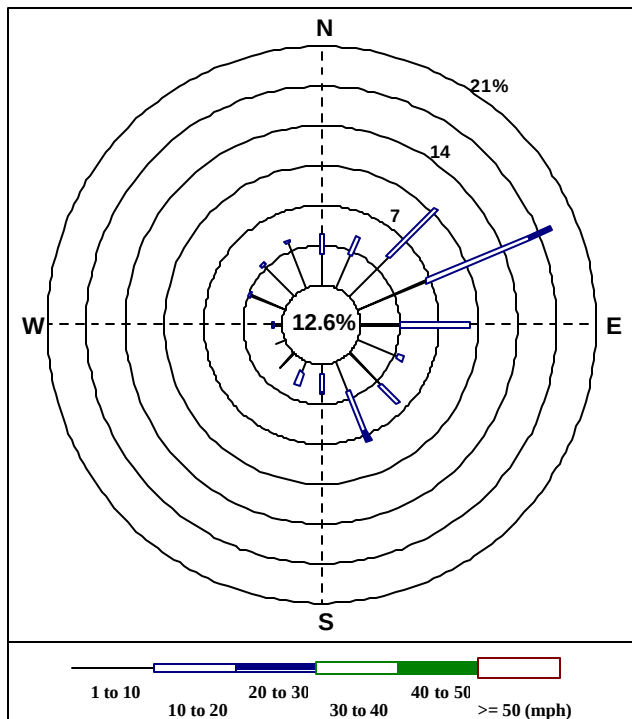
August 2004



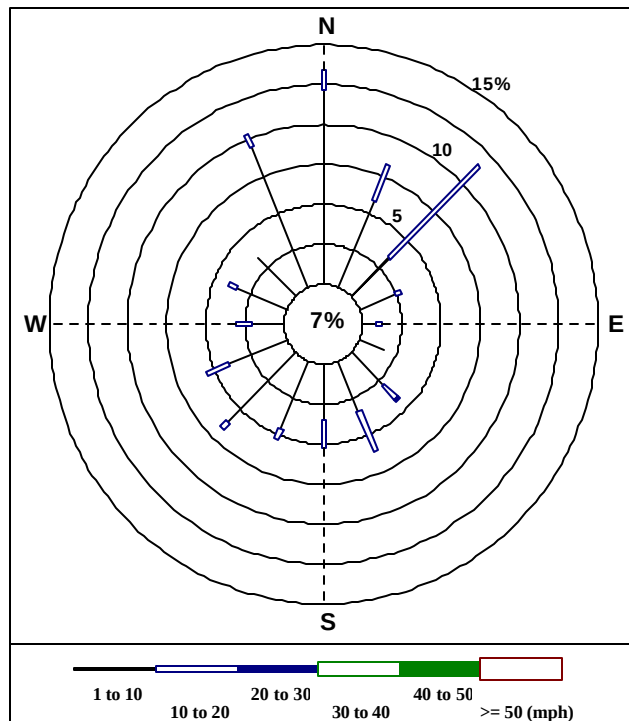
The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

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

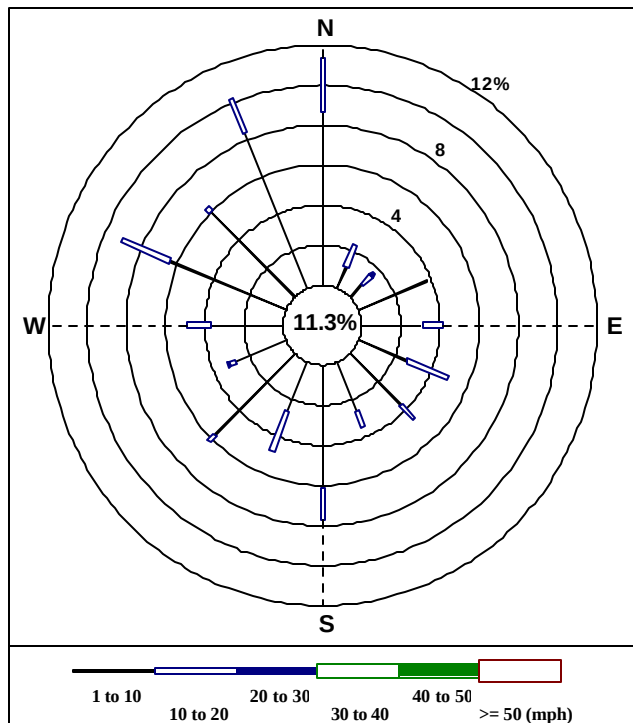
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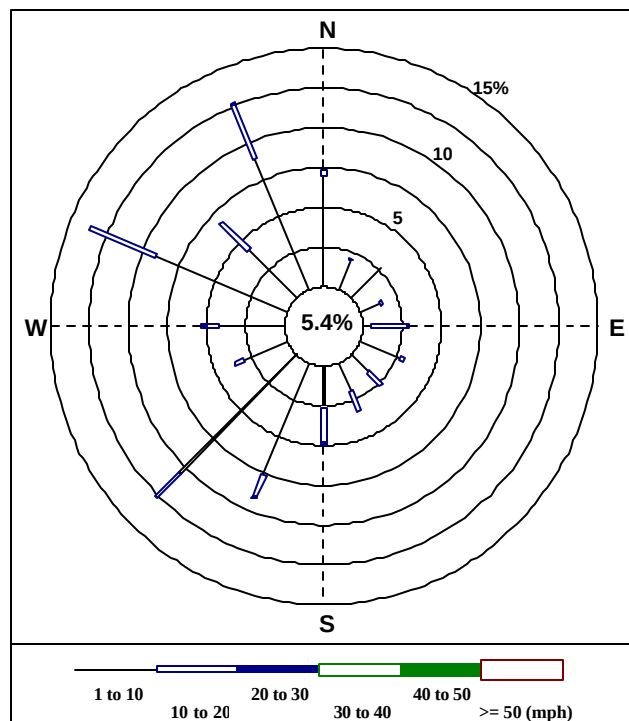
October 2004



November 2004

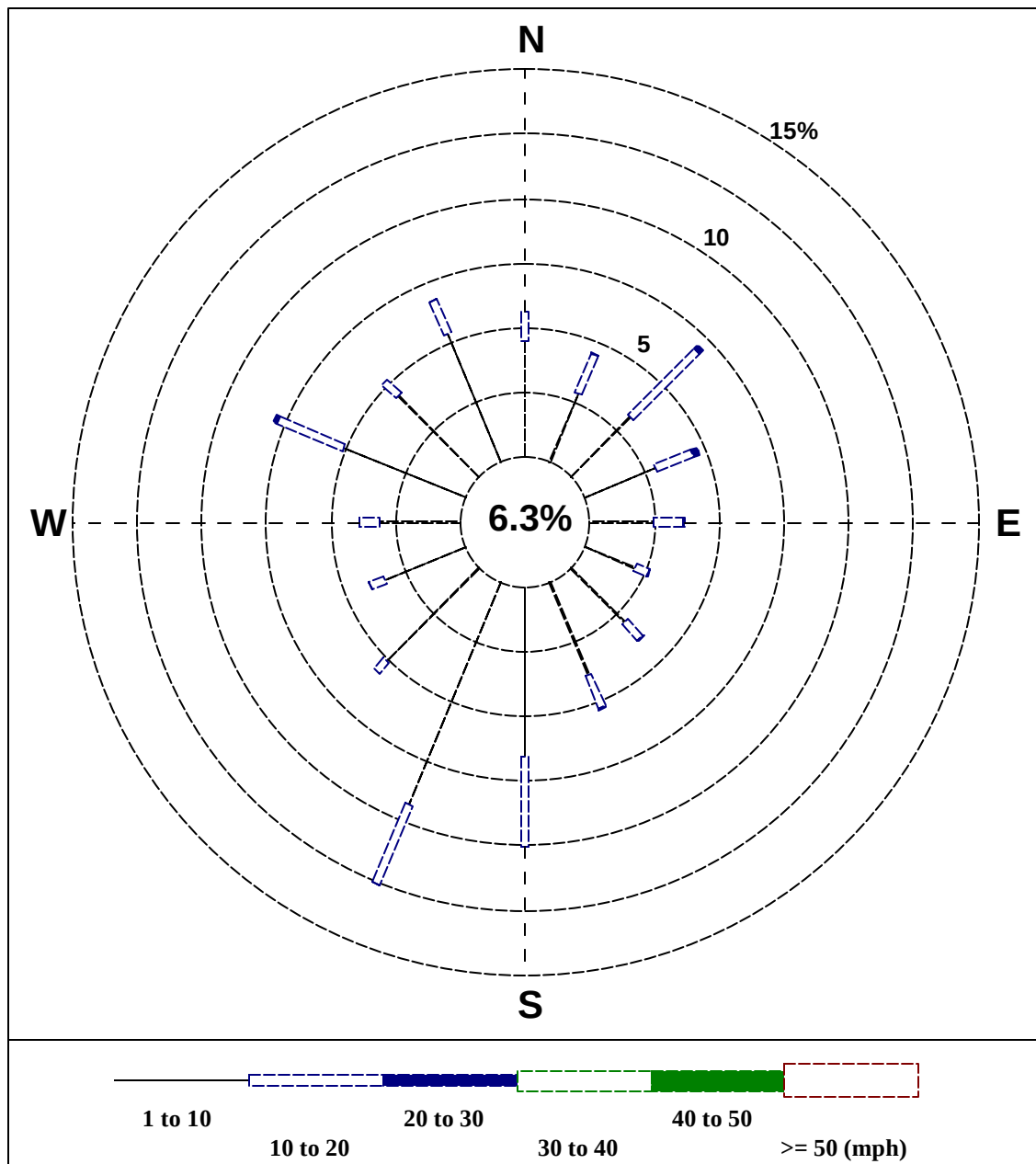


December 2004



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.

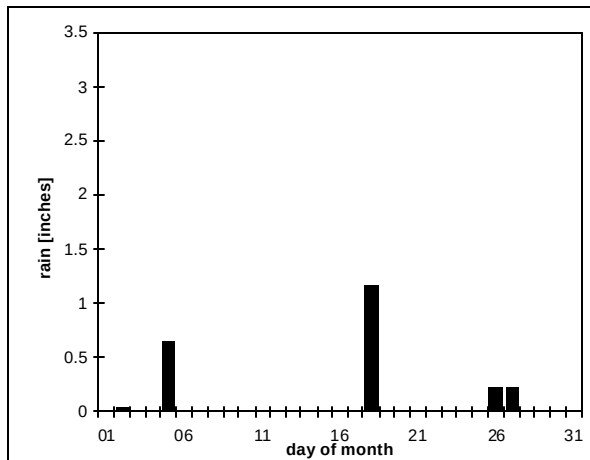
Assateague Island National Seashore Windroses
Average Wind Speed (MPH) and Direction, Compiled Hourly
January 1, 2004 through December 31, 2004



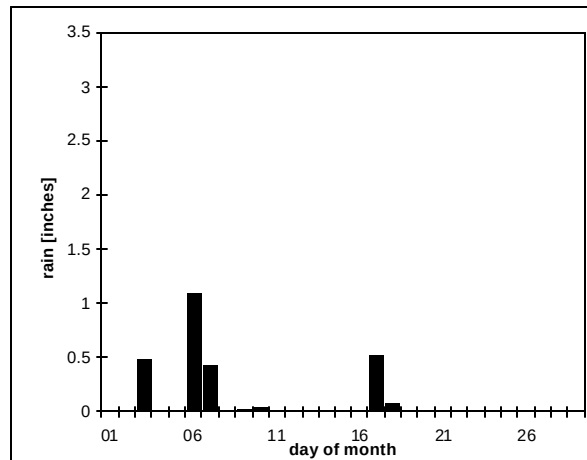
Assateague Island National Seashore — 2004

Daily Rainfall [Inches]

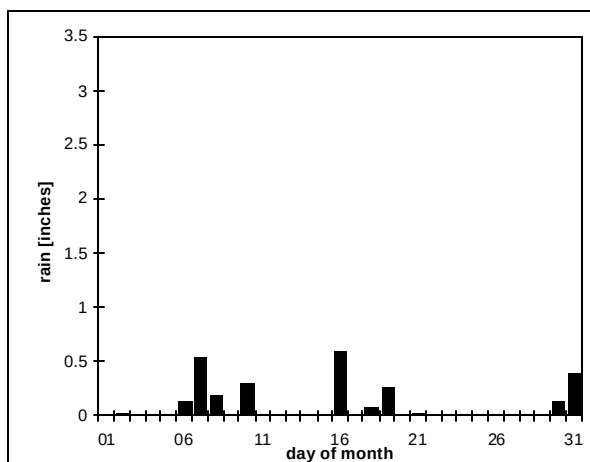
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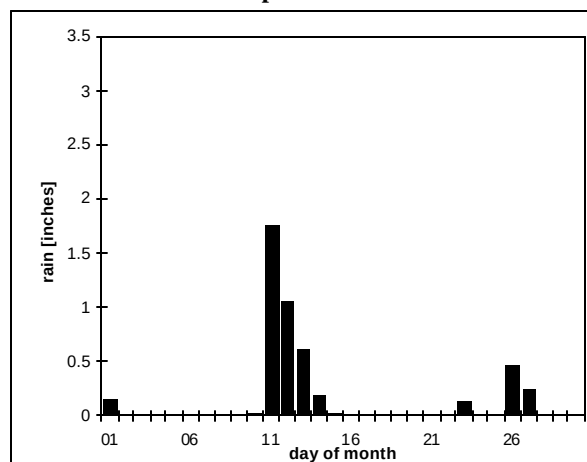
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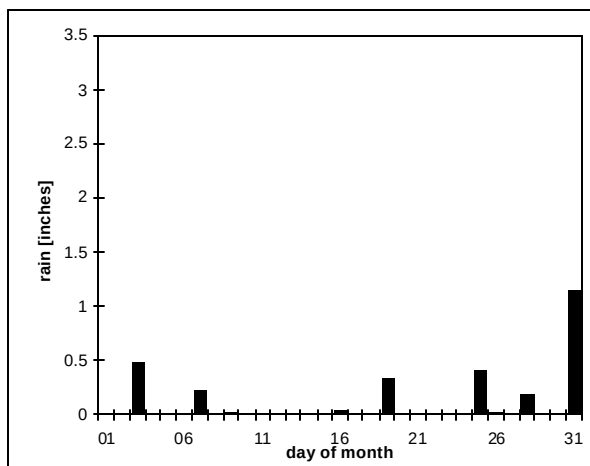
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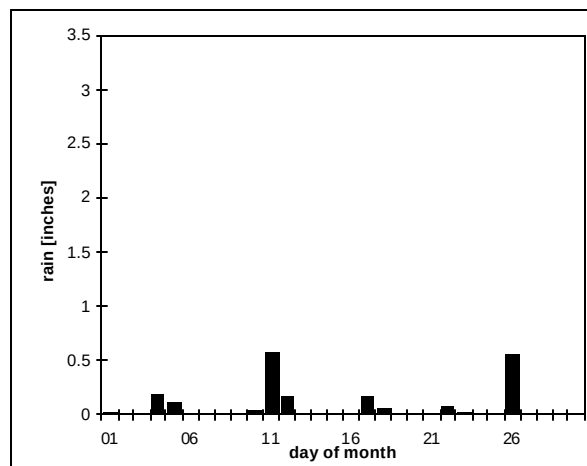
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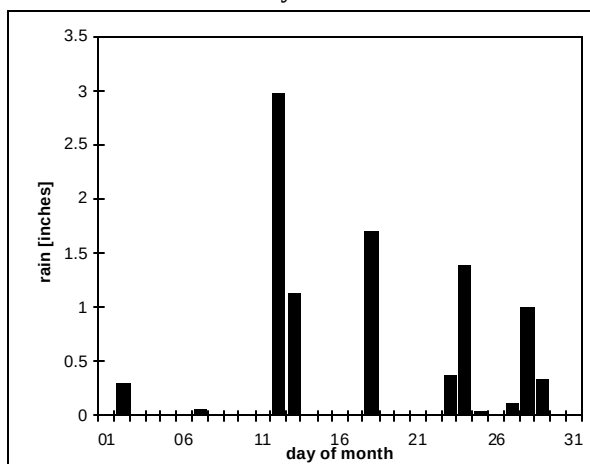
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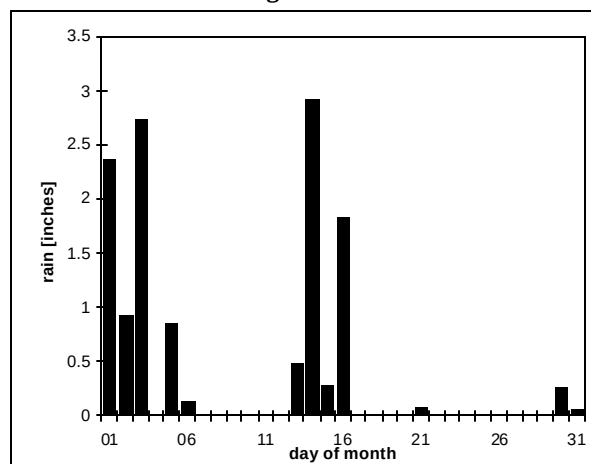
Assateague Island National Seashore — 2004

Daily Rainfall [Inches]

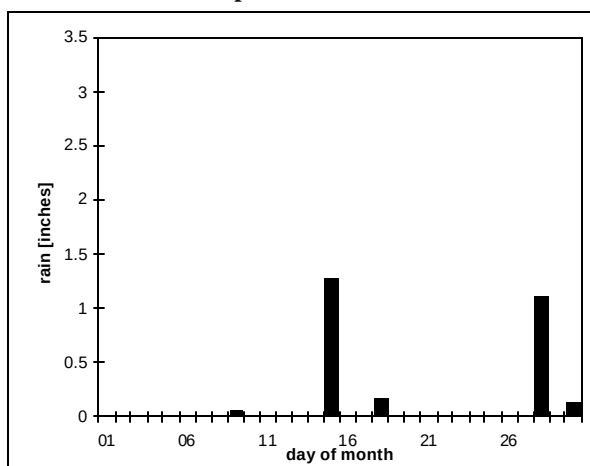
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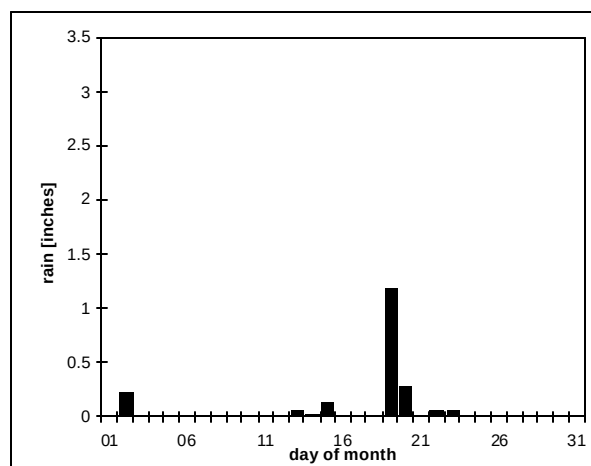
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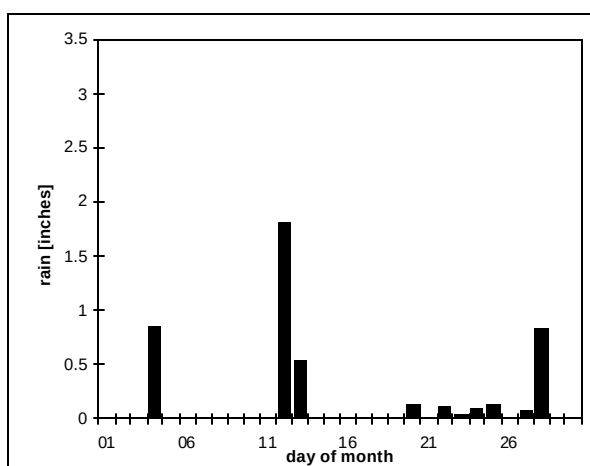
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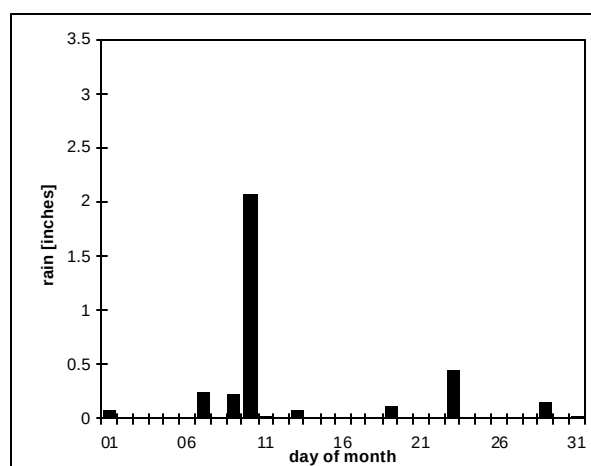
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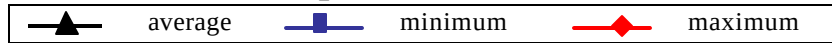


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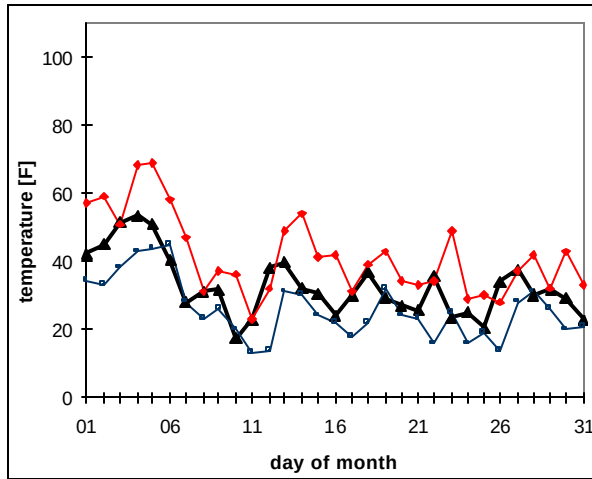


Assateague Island National Seashore — 2004

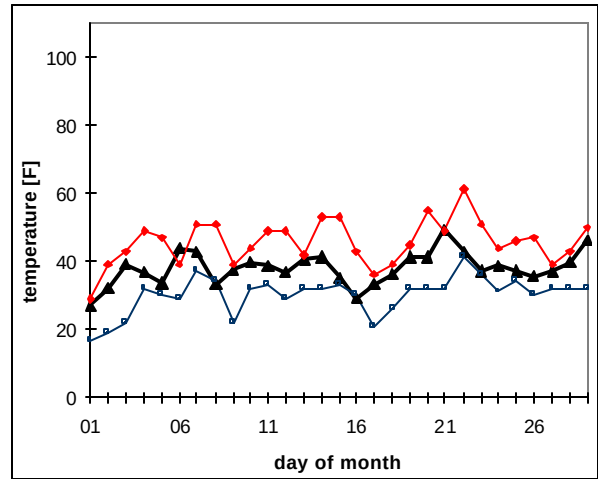
Air Temperature [Fahrenheit]



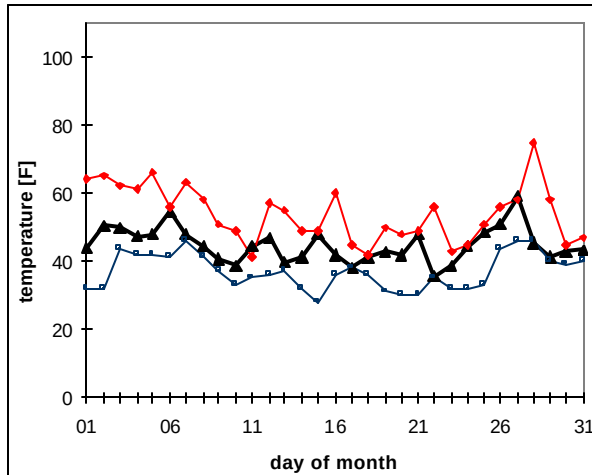
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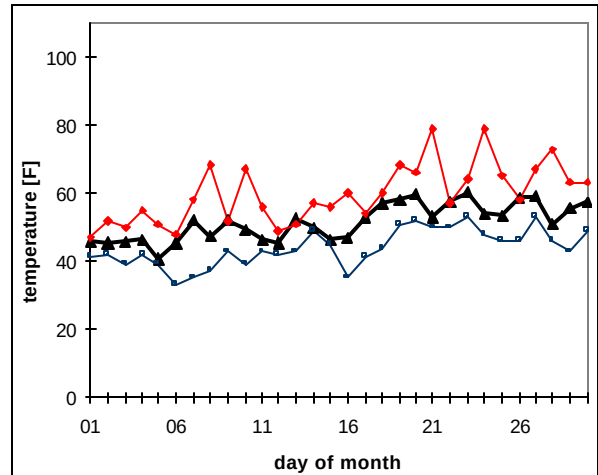
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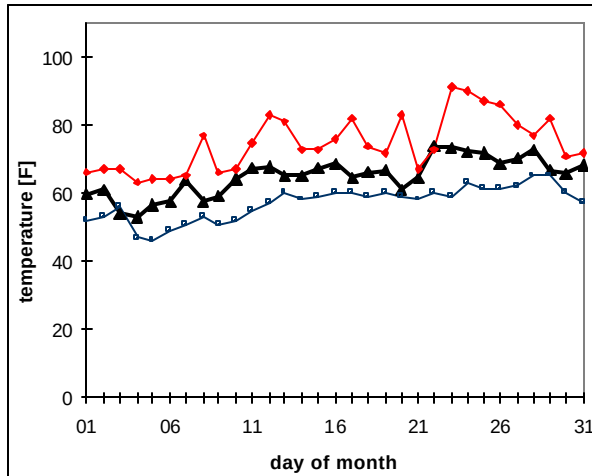
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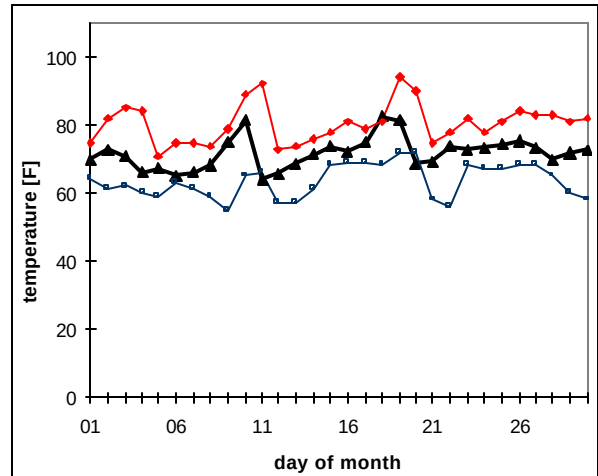
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May 2004

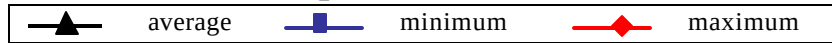


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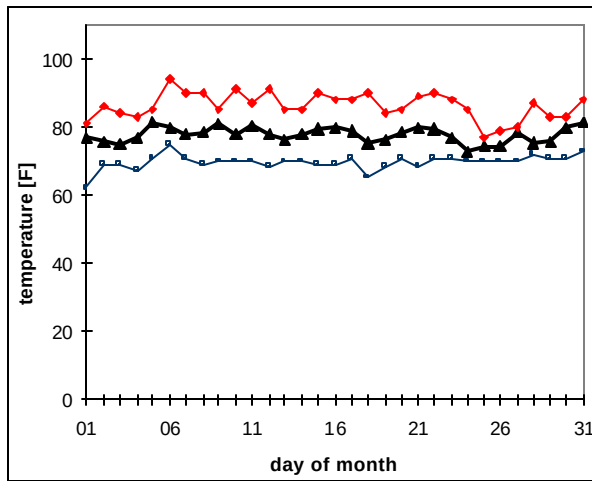


Assateague Island National Seashore — 2004

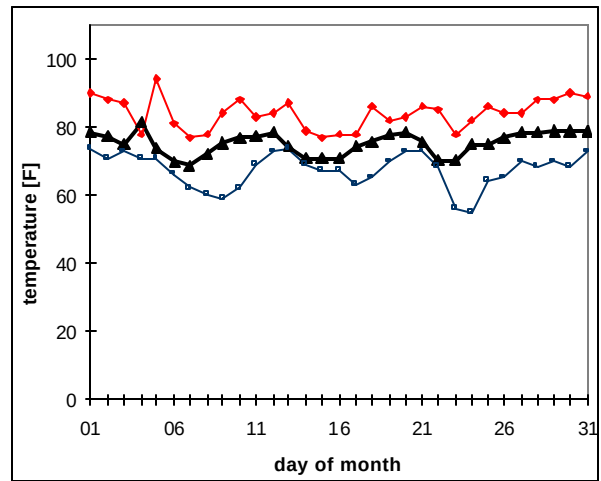
Air Temperature [Fahrenheit]



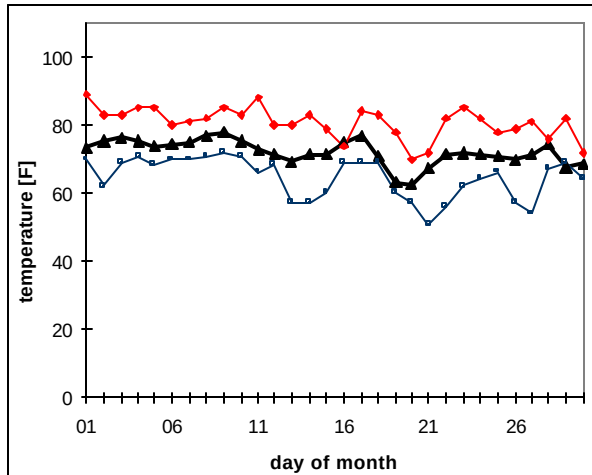
July 2004



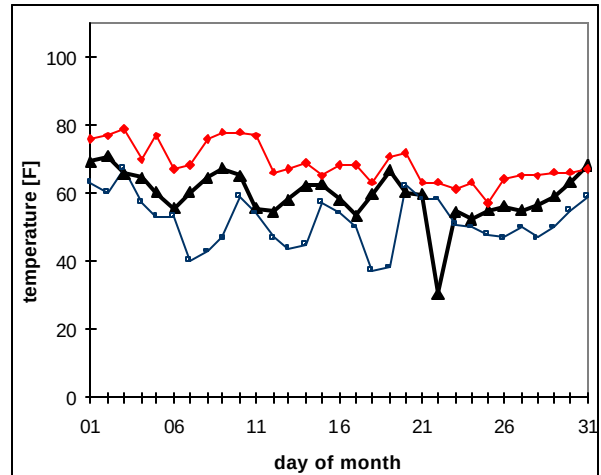
August 2004



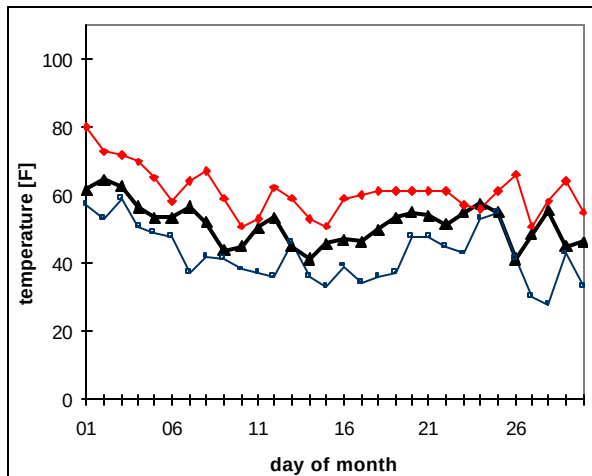
September 2004



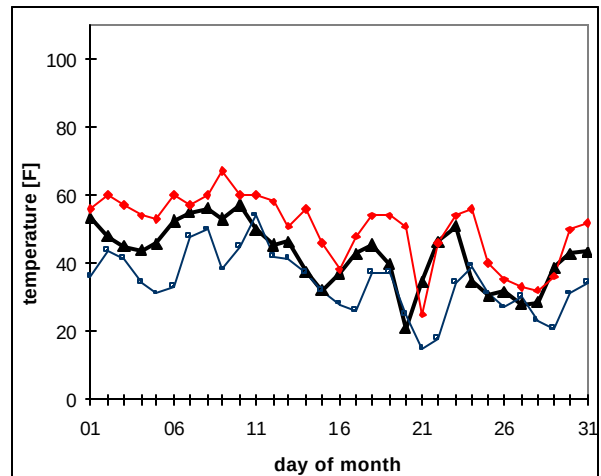
October 2004



November 2004

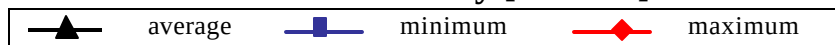


December 2004

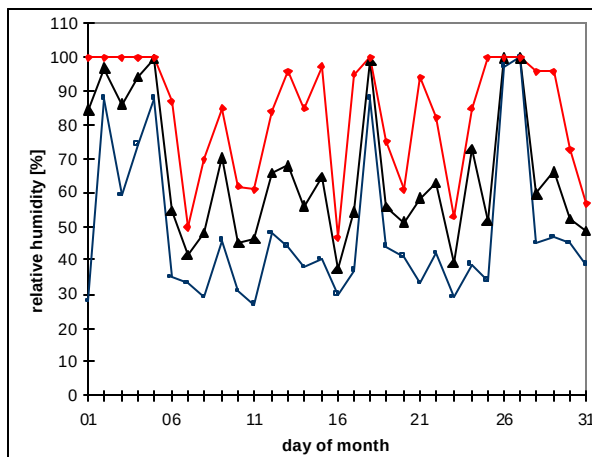


Assateague Island National Seashore — 2004

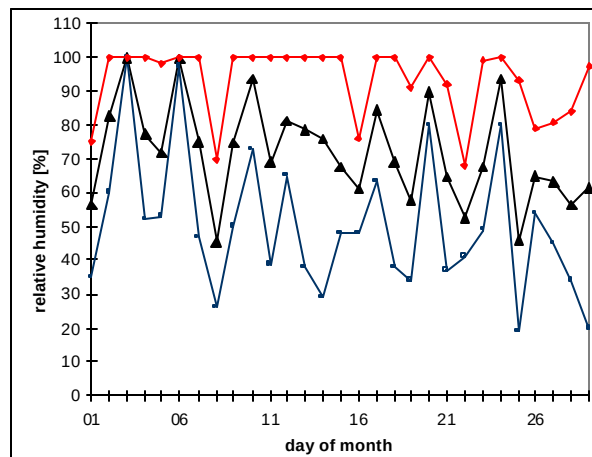
Relative Humidity [Percent]



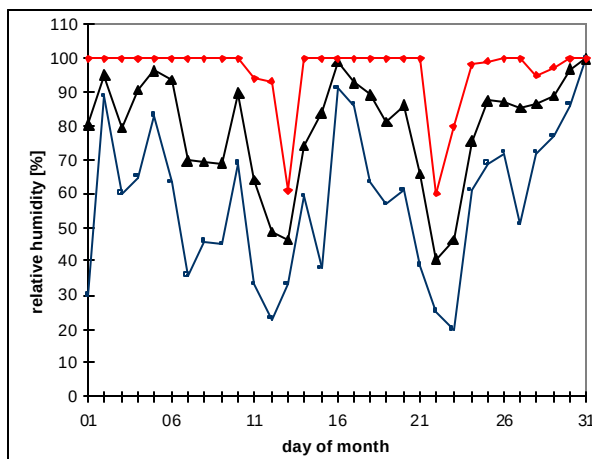
January 2004



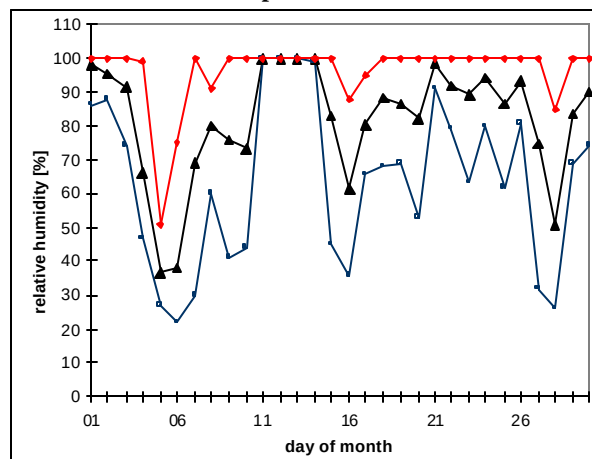
February 2004



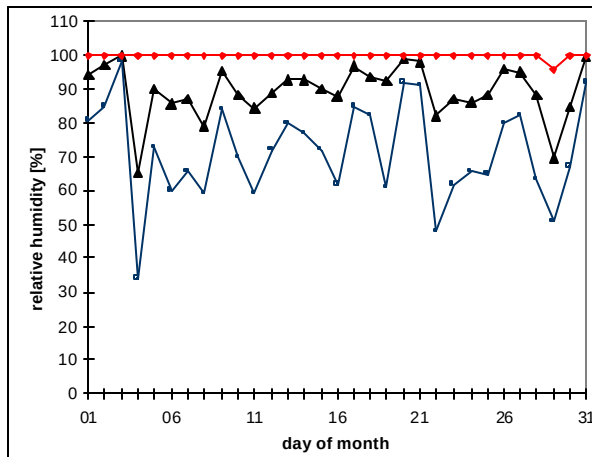
March 2004



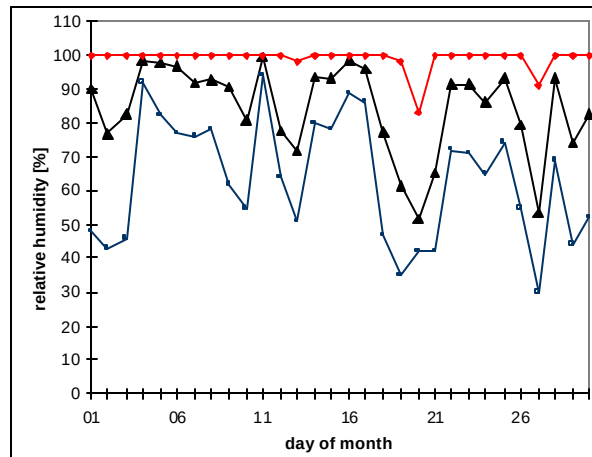
April 2004



May 2004

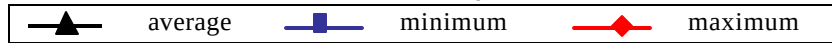


June 2004

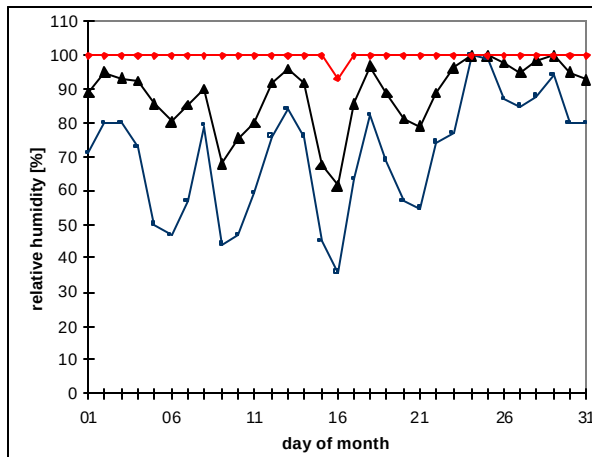


Assateague Island National Seashore — 2004

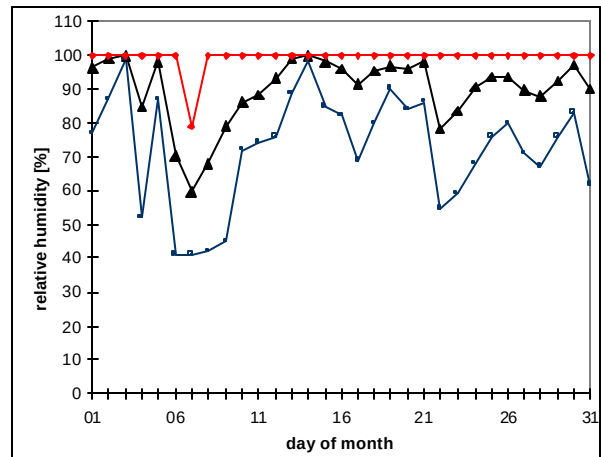
Relative Humidity [Percent]



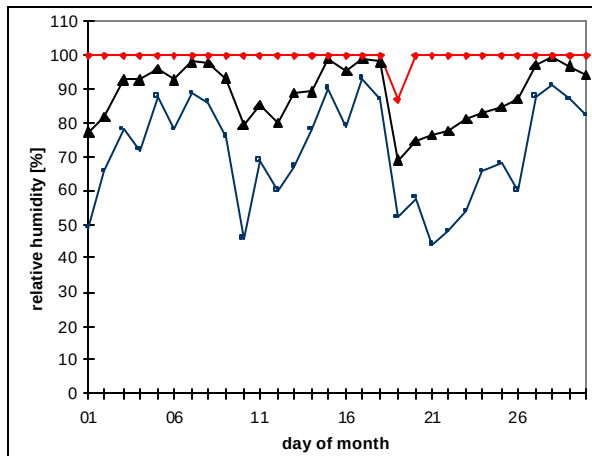
July 2004



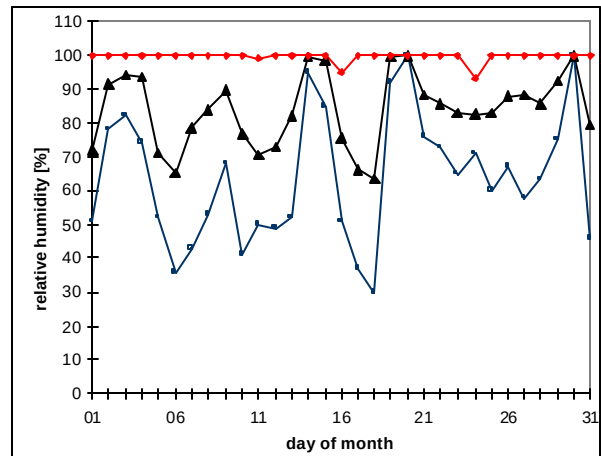
August 2004



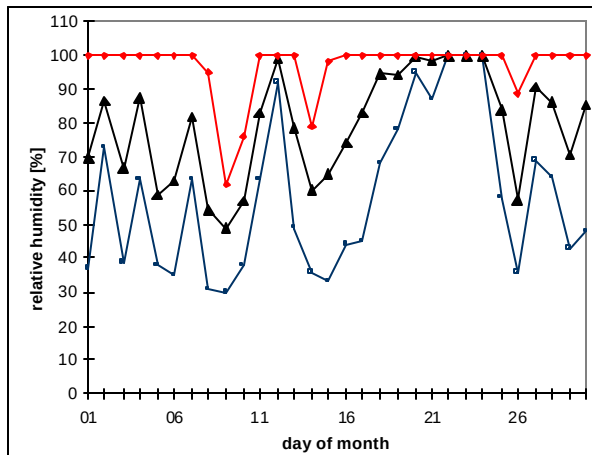
September 2004



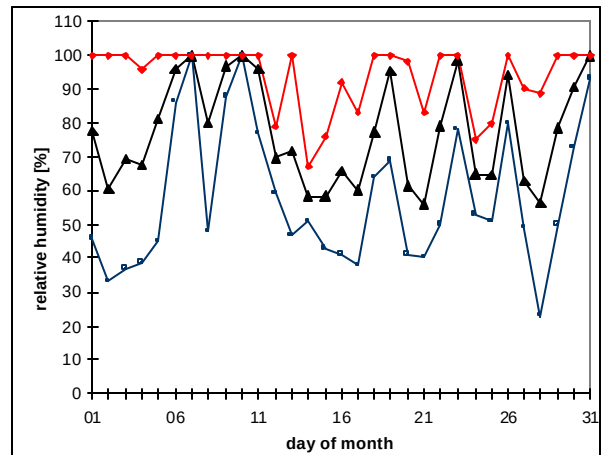
October 2004



November 2004

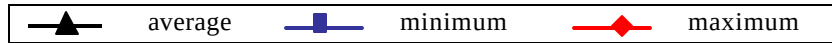


December 2004

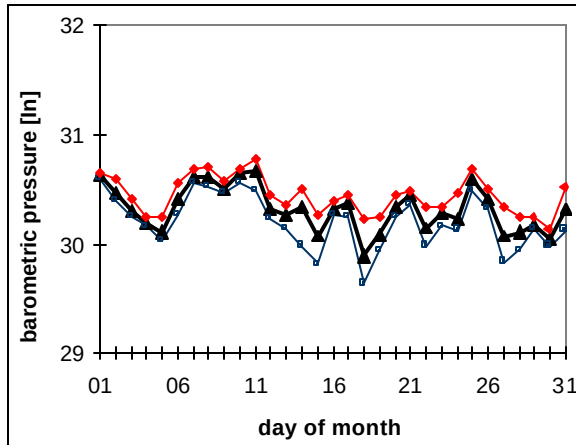


Assateague Island National Seashore — 2004

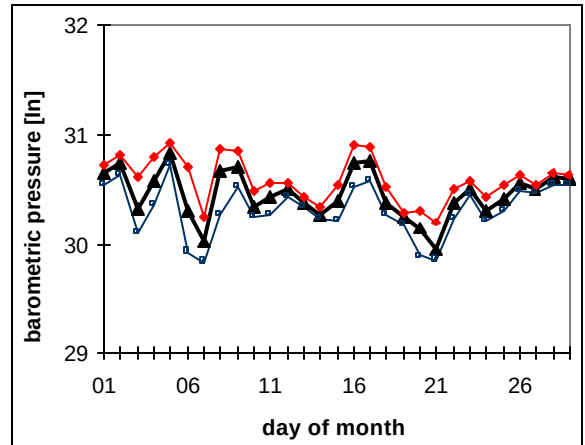
Barometric Pressure [Inches]



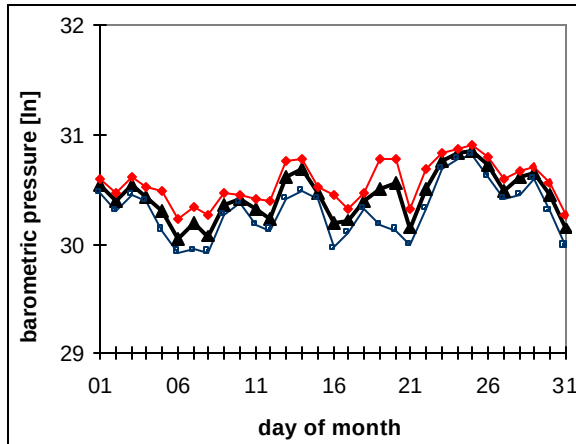
January 2004



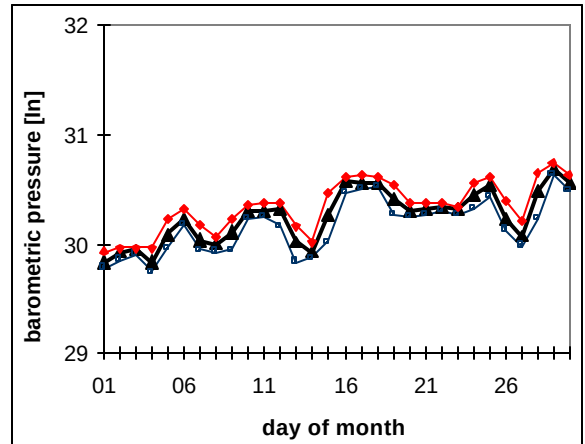
February 2004



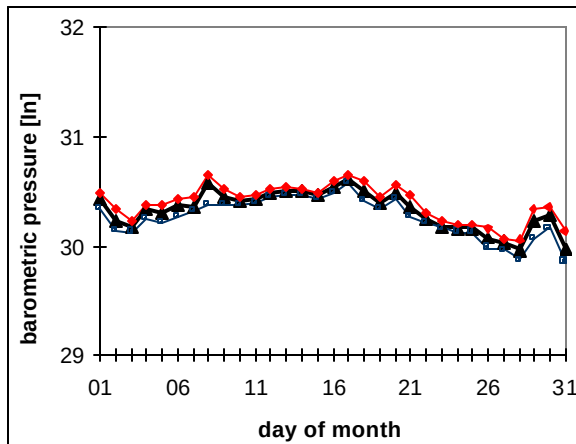
March 2004



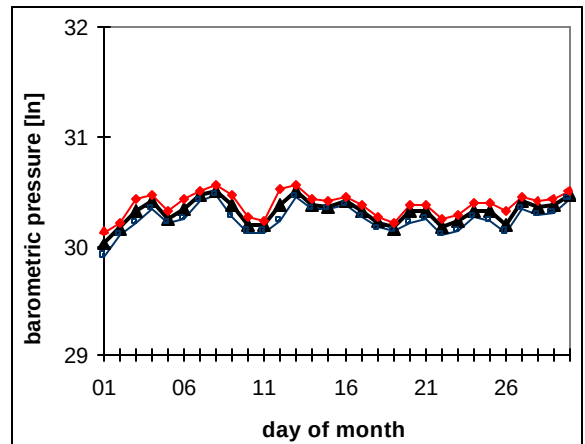
April 2004



May 2004

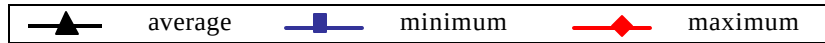


June 2004

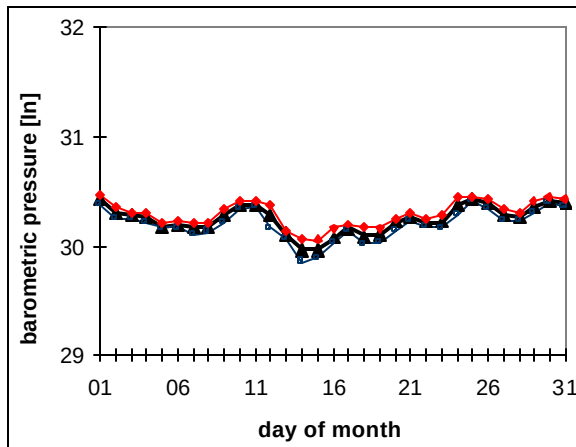


Assateague Island National Seashore — 2004

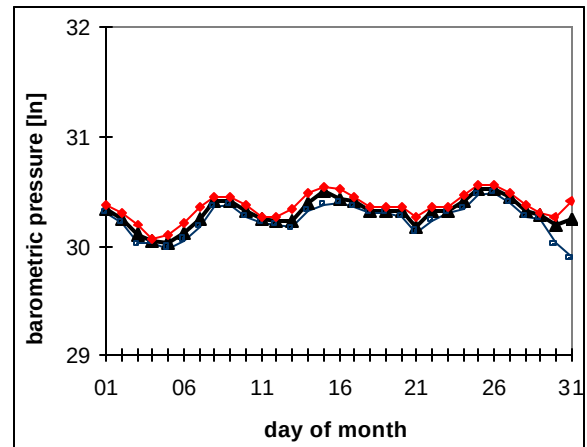
Barometric Pressure [Inches]



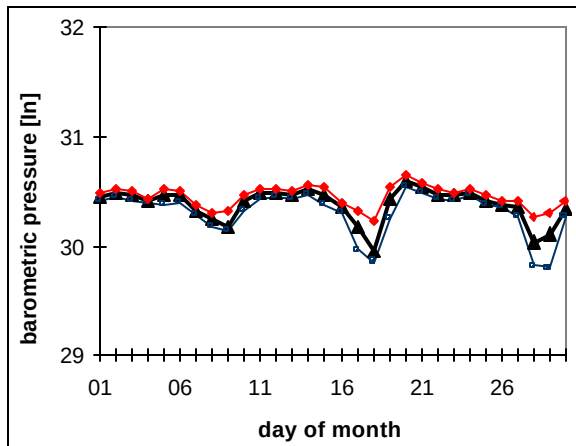
July 2004



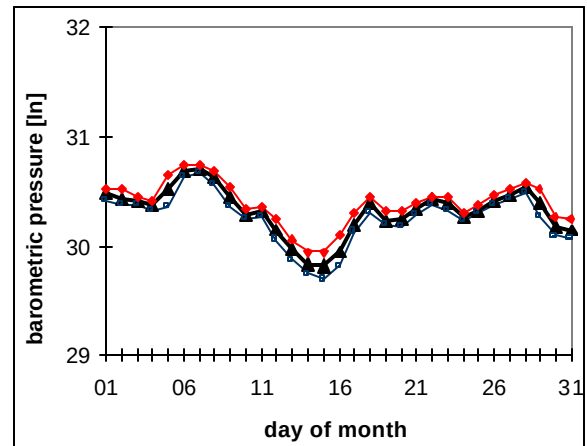
August 2004



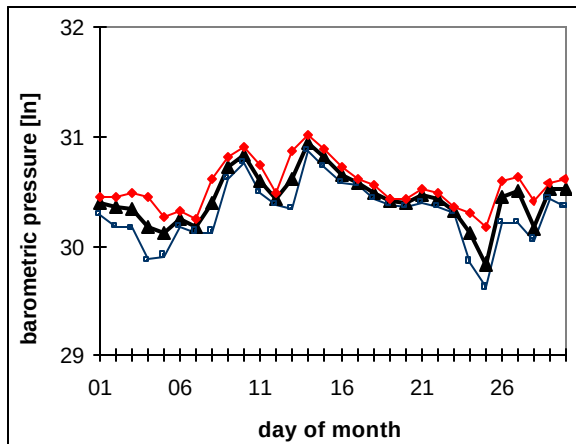
September 2004



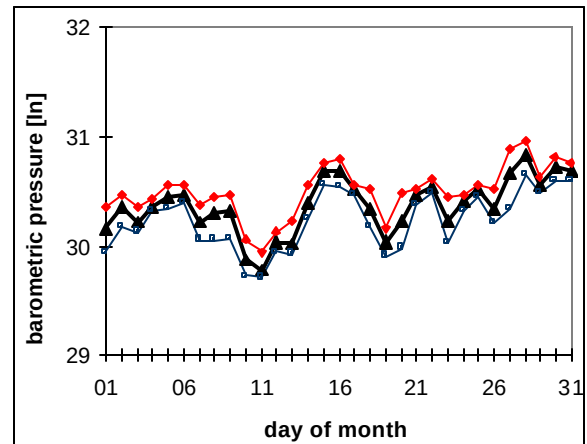
October 2004



November 2004



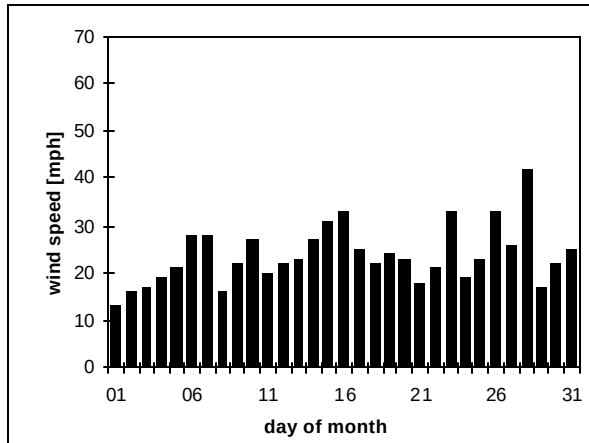
December 2004



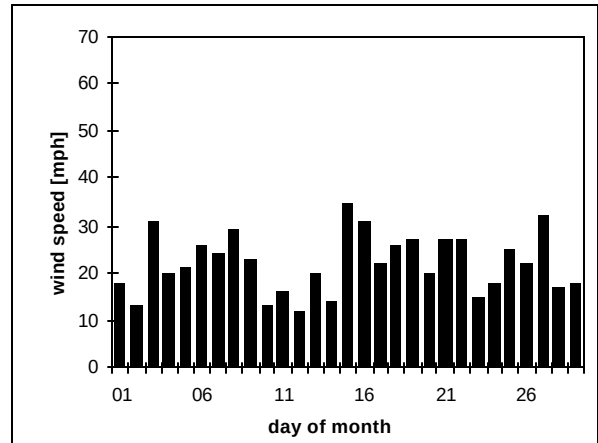
Assateague Island National Seashore — 2004

Maximum Wind Gust [MPH]

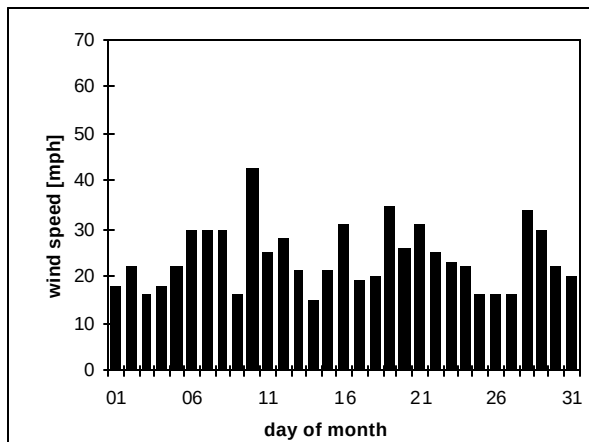
January 2004



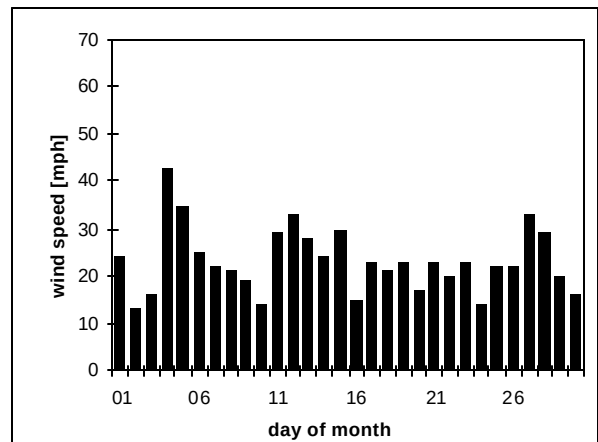
February 2004



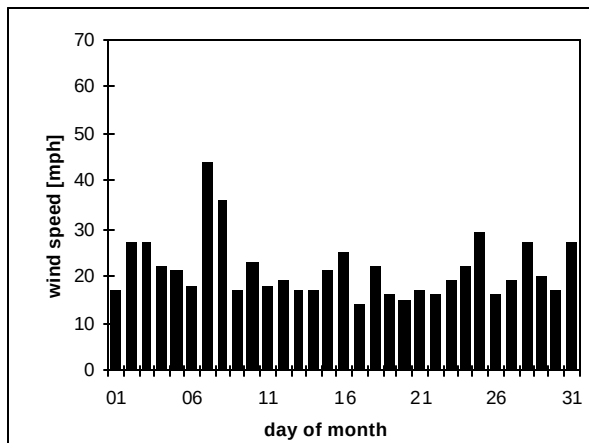
March 2004



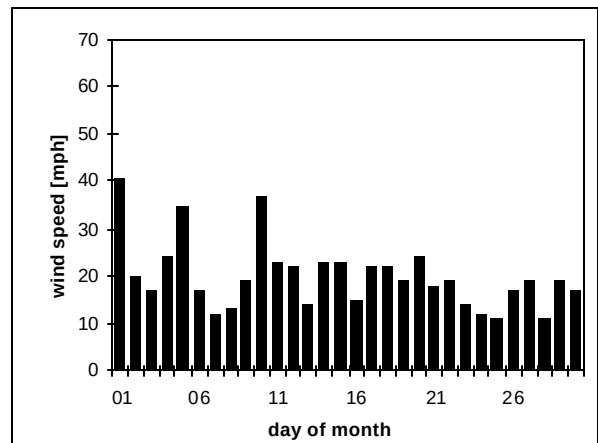
April 2004



May 2004



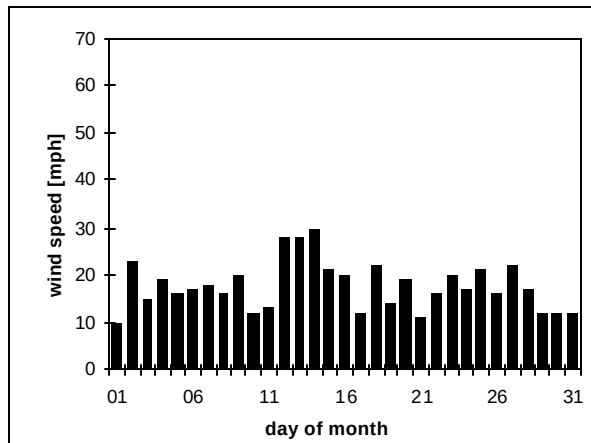
June 2004



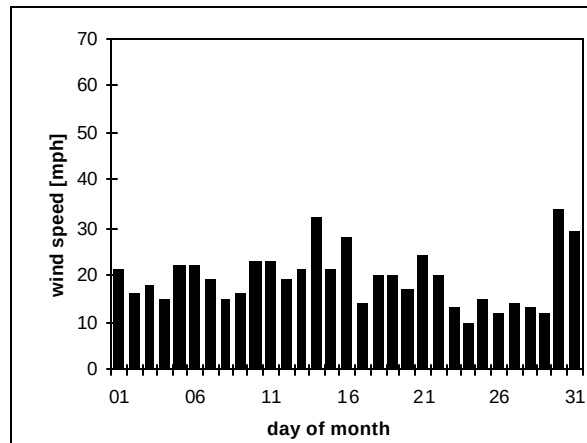
Assateague Island National Seashore — 2004

Maximum Wind Gust [MPH]

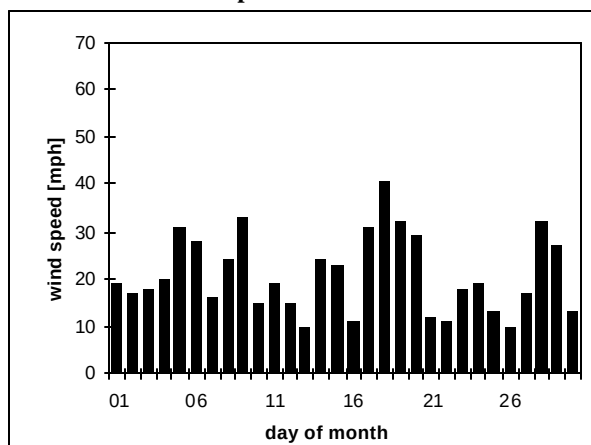
July 2004



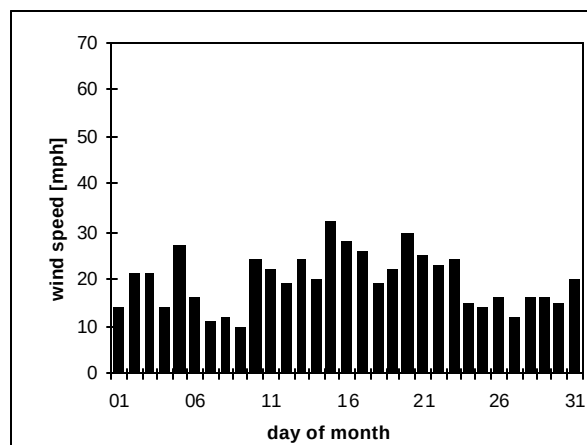
August 2004



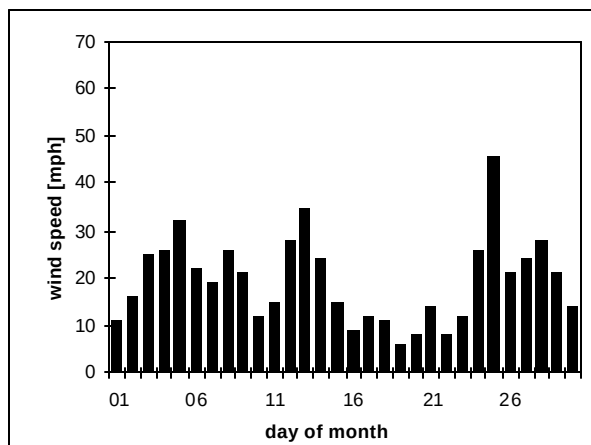
September 2004



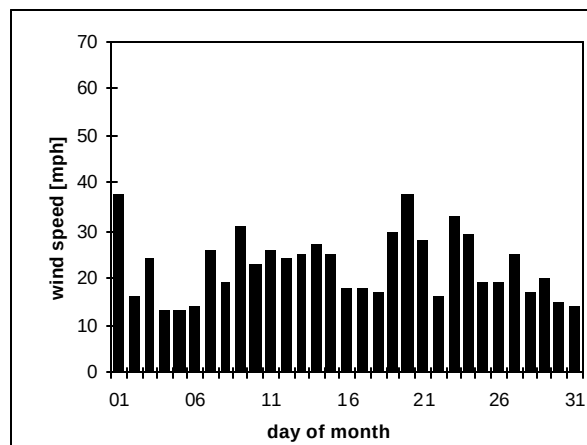
October 2004



November 2004



December 2004



Appendix B

Daily Summaries of RAWs Data by Month

January 2004

	Rainfall [Inches]		Air Temperature [Degrees F]			Wind Speed DIR			Relative Humidity [Percent]			Barometric Pressure [Inches]			Fuel Moist. [Percent]		Fuel Temp. [Degrees F]	
Date	Daily	Total	Avg	Min	Max	[MPH]		Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
	Total	for				Avg	Max											
	year																	
1/1/2004	0.00	0.00	42			2.7	13	200	85	28	100	30.63	30.60	30.66	15.0	14.0	37.5	66
1/2/2004	0.04	0.04	45	33	59	4.3	16	207	97	88	100	30.48	30.40	30.60	32.2	16.3	42.3	51
1/3/2004	0.00	0.04	52	38	51	6.3	17	201	86	59	100	30.31	30.25	30.41	29.7	17.6	51.2	72
1/4/2004	0.00	0.04	54	43	68	6.7	19	185	94	74	100	30.21	30.16	30.25	18.3	16.3	54.3	74
1/5/2004	0.64	0.68	51	44	69	7.0	21	239	99	88	100	30.12	30.04	30.25	41.7	20.0	50.7	57
1/6/2004	0.00	0.68	40	45	58	8.8	28	294	55	35	87	30.42	30.27	30.56	24.2	16.0	40.6	53
1/7/2004	0.00	0.68	28	28	47	10.8	28	279	41	33	50	30.62	30.56	30.69	15.1	14.6	27.8	39
1/8/2004	0.00	0.68	31	23	31	6.2	16	275	48	29	70	30.62	30.53	30.71	14.3	13.8	31.3	42
1/9/2004	0.00	0.68	31	26	37	7.5	22	111	70	46	85	30.51	30.47	30.58	14.6	14.3	31.3	40
1/10/2004	0.00	0.68	17	20	36	9.6	27	291	45	31	62	30.65	30.57	30.70	14.0	13.6	18.5	31
1/11/2004	0.00	0.68	23	13	23	6.8	20	275	46	27	61	30.67	30.49	30.78	13.6	13.1	24.1	40
1/12/2004	0.00	0.68	38	14	32	6.3	22	239	66	48	84	30.33	30.24	30.45	13.8	13.3	38.2	57
1/13/2004	0.00	0.68	40	31	49	6.6	23	273	68	44	96	30.28	30.15	30.37	14.5	13.3	38.1	60
1/14/2004	0.00	0.68	32	30	54	8.5	27	142	56	38	85	30.35	29.99	30.51	13.3	12.7	33.3	47
1/15/2004	0.00	0.68	31	24	41	10.0	31	305	65	40	97	30.08	29.82	30.27	14.2	13.5	31.5	41
1/16/2004	0.00	0.68	24	22	42	15.7	33	295	38	30	47	30.33	30.28	30.40	13.1	12.6	23.8	33
1/17/2004	0.00	0.68	30	18	31	5.6	25	276	55	37	95	30.38	30.25	30.46	13.1	12.4	30.8	44
1/18/2004	1.18	1.86	37	22	39	6.0	22	261	99	88	100	29.89	29.63	30.23	50.9	16.7	36.6	43
1/19/2004	0.00	1.86	29	32	43	8.2	24	308	56	44	75	30.10	29.95	30.25	25.6	18.2	28.6	42
1/20/2004	0.00	1.86	27	24	34	8.3	23	298	51	41	61	30.34	30.25	30.46	16.7	15.6	27.2	41
1/21/2004	0.00	1.86	25	23	33	6.0	18	279	58	33	94	30.45	30.37	30.50	15.1	14.4	25.3	46
1/22/2004	0.00	1.86	36	16	34	7.0	21	245	63	42	82	30.14	29.99	30.34	14.8	14.0	36.3	59
1/23/2004	0.00	1.86	23	25	49	8.5	33	268	39	29	53	30.29	30.17	30.35	13.6	13.1	23.5	37
1/24/2004	0.00	1.86	25	16	29	7.3	19	154	73	39	85	30.23	30.12	30.48	14.1	13.6	25.1	33
1/25/2004	0.00	1.86	20	19	30	7.7	23	212	52	34	100	30.60	30.50	30.69	14.0	13.6	21.0	28
1/26/2004	0.23	2.09	34	14	28	18.8	33	51	100	97	100	30.42	30.33	30.51	25.3	14.8	34.2	38
1/27/2004	0.22	2.31	38	28	37	10.8	26	79	100	100	100	30.06	29.83	30.34	54.6	44.2	38.5	42
1/28/2004	0.00	2.31	30	31	42	15.3	42	290	60	45	96	30.11	29.95	30.26	23.5	19.4	29.8	37
1/29/2004	0.00	2.31	31	26	32	4.3	17	249	66	47	96	30.19	30.14	30.25	17.8	16.6	29.0	52
1/30/2004	0.00	2.31	29	20	43	6.1	22	194	52	45	73	30.05	29.99	30.14	15.6	14.7	29.5	41
1/31/2004	0.00	2.31	23	21	33	8.9	25	300	48	39	57	30.33	30.12	30.52	14.4	14.0	23.8	37

Monthly summary:

Total Annual rain	rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg W Dir	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.31	2.31	33	13	69	8.1	42	235	66	27	100	30.33	29.63	30.78	20.33	12.4	32.7	74

February 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
	Total	for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
year		year																
2/1/2004	0.00	2.31	27	17	29	5.3	18	329	57	35	75	30.65	30.54	30.73	14.1	13.5	27.7	48
2/2/2004	0.00	2.31	32	19	39	5.0	13	118	83	60	100	30.74	30.63	30.81	15.0	14.0	33.1	56
2/3/2004	0.47	2.78	39	22	43	10.9	31	157	100	100	100	30.34	30.10	30.61	37.7	18.4	38.6	49
2/4/2004	0.00	2.78	37	32	49	3.7	20	298	77	52	100	30.59	30.37	30.80	31.8	18.7	36.0	55
2/5/2004	0.00	2.78	34	30	47	8.6	21	77	71	53	98	30.84	30.72	30.92	18.0	16.9	34.1	46
2/6/2004	1.09	3.87	44	29	39	8.3	26	144	100	97	100	30.31	29.93	30.71	30.0	17.5	44.8	53
2/7/2004	0.43	4.30	43	37	51	7.1	24	290	75	47	100	30.02	29.84	30.25	37.6	18.0	44.0	57
2/8/2004	0.00	4.30	33	34	51	7.8	29	292	46	26	70	30.67	30.28	30.87	16.1	14.5	33.0	49
2/9/2004	0.03	4.33	38	22	39	8.2	23	204	75	50	100	30.71	30.52	30.85	18.5	14.5	38.8	53
2/10/2004	0.04	4.37	40	32	44	4.2	13	225	94	73	100	30.35	30.25	30.50	40.0	23.1	39.7	52
2/11/2004	0.00	4.37	39	33	49	3.6	16	238	69	39	100	30.44	30.28	30.57	19.6	15.8	36.7	58
2/12/2004	0.00	4.37	37	29	49	2.7	12	115	81	65	100	30.51	30.43	30.57	16.6	15.8	36.3	44
2/13/2004	0.00	4.37	41	32	42	6.1	20	256	79	38	100	30.39	30.35	30.44	18.5	14.6	41.9	65
2/14/2004	0.00	4.37	41	32	53	4.0	14	233	76	29	100	30.28	30.23	30.35	15.9	14.6	40.3	59
2/15/2004	0.00	4.37	35	33	53	12.1	35	79	67	48	100	30.40	30.22	30.55	14.9	14.2	35.1	49
2/16/2004	0.00	4.37	29	30	43	10.3	31	48	61	48	76	30.75	30.52	30.91	14.1	13.7	28.4	47
2/17/2004	0.52	4.89	33	21	36	10.0	22	55	84	63	100	30.76	30.59	30.89	28.9	14.6	32.5	40
2/18/2004	0.08	4.97	36	26	39	9.8	26	280	69	38	100	30.38	30.28	30.53	34.9	17.5	37.3	53
2/19/2004	0.00	4.97	41	32	45	6.7	27	252	58	34	91	30.25	30.19	30.29	15.9	14.1	40.8	63
2/20/2004	0.00	4.97	41	32	55	6.8	20	126	90	80	100	30.14	29.89	30.30	16.0	14.9	42.8	63
2/21/2004	0.00	4.97	50	32	49	8.5	27	265	64	37	92	29.94	29.85	30.20	14.6	13.4	50.6	72
2/22/2004	0.00	4.97	43	41	61	7.1	27	299	53	41	68	30.39	30.23	30.51	13.1	12.0	44.3	62
2/23/2004	0.00	4.97	37	36	51	5.4	15	182	68	49	99	30.52	30.45	30.58	13.2	12.2	39.3	57
2/24/2004	0.00	4.97	39	31	44	3.7	18	89	94	80	100	30.31	30.22	30.44	15.2	14.6	39.4	55
2/25/2004	0.00	4.97	37	34	46	8.8	25	312	46	19	93	30.42	30.30	30.55	13.5	11.9	38.5	57
2/26/2004	0.00	4.97	35	30	47	11.0	22	45	65	54	79	30.57	30.50	30.63	13.2	12.7	35.5	43
2/27/2004	0.00	4.97	37	32	39	11.9	32	64	63	45	81	30.51	30.47	30.55	13.3	12.5	38.8	52
2/28/2004	0.00	4.97	40	32	43	5.5	17	231	56	34	84	30.61	30.55	30.66	12.8	11.4	41.0	65
2/29/2004	0.00	4.97	46	32	50	5.0	18	241	61	20	97	30.60	30.55	30.64	13.0	10.5	45.9	73

Monthly summary:

Total Annual	rain		Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain			temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
2.66	4.97		38	17	61	7.2	35	191	72	19	100	30.46	29.84	30.92	19.86	10.5	38.45	73

March 2004

	Rainfall [Inches]		Air Temperature [Degrees F]			Wind Speed DIR			Relative Humidity [Percent]			Barometric Pressure [Inches]			Fuel Moist. [Percent]		Fuel Temp. [Degrees F]	
Date	Daily	Total	Avg	Min	Max	[MPH]		Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
	Total	for				Avg	Max											
	year																	
3/1/2004	0.00	4.97	44	32	64	6.0	18	210	80	30	100	30.54	30.48	30.60	13.2	11.0	42.9	73
3/2/2004	0.01	4.98	51	32	65	9.3	22	219	95	89	100	30.41	30.31	30.48	18.2	14.6	50.2	61
3/3/2004	0.00	4.98	50	44	62	4.5	16	221	80	60	100	30.55	30.45	30.62	20.5	14.5	52.3	75
3/4/2004	0.00	4.98	47	42	61	6.3	18	143	91	65	100	30.45	30.40	30.52	15.2	13.9	51.1	80
3/5/2004	0.00	4.98	48	42	66	8.4	22	150	96	83	100	30.31	30.12	30.49	16.3	14.6	51.5	71
3/6/2004	0.13	5.11	54	41	56	10.0	30	239	94	63	100	30.06	29.92	30.24	38.7	16.9	52.8	63
3/7/2004	0.55	5.66	48	46	63	8.0	30	252	70	36	100	30.19	29.94	30.35	21.8	14.9	50.8	70
3/8/2004	0.18	5.84	44	41	58	10.8	30	298	69	46	100	30.07	29.92	30.27	32.2	16.2	44.7	57
3/9/2004	0.00	5.84	41	37	51	5.9	16	198	69	45	100	30.37	30.28	30.48	15.2	13.8	43.6	69
3/10/2004	0.30	6.14	39	33	49	15.7	43	68	90	69	100	30.41	30.38	30.46	38.8	16.4	38.1	41
3/11/2004	0.00	6.14	44	35	41	8.8	25	259	64	33	94	30.32	30.18	30.41	18.8	14.7	47.0	71
3/12/2004	0.00	6.14	47	36	57	7.7	28	268	49	23	93	30.23	30.13	30.40	14.0	12.1	46.7	65
3/13/2004	0.00	6.14	40	37	55	6.3	21	323	46	33	61	30.62	30.42	30.77	12.2	11.3	41.6	61
3/14/2004	0.00	6.14	41	32	49	6.6	15	155	74	59	100	30.68	30.49	30.79	13.4	11.9	42.3	67
3/15/2004	0.00	6.14	48	28	49	4.5	21	178	84	38	100	30.48	30.42	30.52	14.6	13.1	48.6	69
3/16/2004	0.60	6.74	42	36	60	12.1	31	78	99	91	100	30.19	29.96	30.46	50.8	15.5	41.5	44
3/17/2004	0.00	6.74	38	38	45	5.8	19	60	93	86	100	30.22	30.11	30.32	40.5	23.8	39.1	46
3/18/2004	0.08	6.82	41	36	42	6.9	20	147	89	63	100	30.41	30.32	30.47	29.2	18.2	45.1	66
3/19/2004	0.26	7.08	43	31	50	9.5	35	253	81	57	100	30.51	30.19	30.78	34.2	17.9	42.1	55
3/20/2004	0.00	7.08	42	30	48	10.0	26	197	86	61	100	30.57	30.13	30.78	17.8	15.5	43.5	63
3/21/2004	0.02	7.10	48	30	49	10.0	31	271	66	39	100	30.14	30.00	30.33	23.6	14.8	49.5	66
3/22/2004	0.00	7.10	36	35	56	7.3	25	305	41	25	60	30.50	30.33	30.69	14.0	13.0	37.4	52
3/23/2004	0.00	7.10	38	32	43	8.0	23	230	46	20	80	30.77	30.69	30.84	12.6	11.4	42.3	65
3/24/2004	0.00	7.10	44	32	45	9.5	22	198	75	61	98	30.83	30.79	30.87	13.7	12.4	48.0	67
3/25/2004	0.00	7.10	48	33	51	6.3	16	186	87	69	99	30.85	30.81	30.91	14.8	13.2	52.5	74
3/26/2004	0.00	7.10	51	44	56	8.0	16	192	87	72	100	30.73	30.61	30.80	14.2	12.7	56.5	78
3/27/2004	0.00	7.10	59	46	58	5.1	16	244	85	51	100	30.49	30.42	30.60	14.8	12.6	61.0	84
3/28/2004	0.00	7.10	46	46	75	14.9	34	35	87	72	95	30.61	30.45	30.68	15.0	14.3	46.7	57
3/29/2004	0.00	7.10	41	40	58	13.9	30	34	89	77	97	30.65	30.60	30.71	15.1	14.6	42.6	48
3/30/2004	0.13	7.23	43	39	45	10.0	22	56	97	86	100	30.45	30.31	30.57	30.8	14.8	44.7	56
3/31/2004	0.39	7.62	43	40	47	6.7	20	110	100	100	100	30.15	29.98	30.28	55.0	53.8	44.5	50

Monthly summary:

Total Annual rain	rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg W Dir	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
2.65	7.62	45	28	75	8.5	43	186	79	20	100	30.44	29.92	30.91	22.55	11	46.49	84

April 2004

	Rainfall [Inches]		Air Temperature [Degrees F]			Wind Speed DIR			Relative Humidity [Percent]			Barometric Pressure [Inches]			Fuel Moist. [Percent]		Fuel Temp. [Degrees F]	
Date	Daily	Total	Avg	Min	Max	[MPH]		Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
	Total	for				Avg	Max											
	year																	
4/1/2004	0.15	7.77	46	41	47	8.7	24	161	98	86	100	29.83	29.79	29.93	49.7	24.3	49.2	71
4/2/2004	0.00	7.77	45	42	52	4.4	13	149	96	88	100	29.92	29.85	29.97	39.4	24.3	45.9	57
4/3/2004	0.00	7.77	46	39	50	5.2	16	219	91	74	100	29.94	29.91	29.97	21.2	17.8	46.5	62
4/4/2004	0.00	7.77	46	42	55	14.6	43	268	66	47	99	29.84	29.74	29.97	16.7	14.5	46.7	56
4/5/2004	0.00	7.77	41	39	51	12.8	35	297	36	27	51	30.09	29.97	30.23	13.1	11.9	43.1	59
4/6/2004	0.00	7.77	46	33	48	8.0	25	277	38	22	75	30.24	30.18	30.32	11.2	10.0	47.5	69
4/7/2004	0.00	7.77	52	35	58	5.3	22	215	69	30	100	30.04	29.95	30.18	12.0	10.0	54.8	80
4/8/2004	0.00	7.77	47	37	68	9.9	21	45	80	60	91	29.99	29.92	30.07	13.3	12.3	50.0	65
4/9/2004	0.00	7.77	52	43	52	5.2	19	225	76	41	100	30.11	29.95	30.24	13.0	10.7	53.9	83
4/10/2004	0.01	7.78	50	39	67	4.9	14	144	73	44	100	30.31	30.23	30.37	14.2	11.2	51.2	69
4/11/2004	1.76	9.54	46	43	56	12.7	29	53	100	100	100	30.30	30.25	30.38	54.1	41.8	46.2	51
4/12/2004	1.05	10.5	45	42	49	14.5	33	49	100	100	100	30.32	30.17	30.39	55.0	55.0	45.3	51
4/13/2004	0.61	11.2	53	43	51	10.0	28	184	100	100	100	30.02	29.84	30.16	55.0	54.6	53.9	61
4/14/2004	0.20	11.4	50	49	57	7.3	24	233	100	99	100	29.92	29.87	30.01	49.9	31.9	52.0	62
4/15/2004	0.02	11.4	46	45	56	8.9	30	227	83	45	100	30.27	30.01	30.47	33.0	17.2	47.0	72
4/16/2004	0.00	11.4	47	35	60	7.7	15	214	61	36	88	30.58	30.48	30.62	15.2	13.0	50.0	72
4/17/2004	0.00	11.4	53	41	54	9.8	23	198	80	66	95	30.57	30.51	30.63	14.0	12.4	57.3	78
4/18/2004	0.00	11.4	57	44	60	7.4	21	196	88	68	100	30.57	30.53	30.61	14.5	12.0	62.5	82
4/19/2004	0.00	11.4	58	51	68	11.2	23	201	86	69	100	30.42	30.27	30.55	14.4	12.2	62.3	80
4/20/2004	0.00	11.4	60	52	66	5.3	17	141	82	53	100	30.32	30.25	30.38	13.4	10.6	64.9	93
4/21/2004	0.00	11.4	53	50	79	9.1	23	132	98	91	100	30.33	30.27	30.39	14.7	13.4	57.3	73
4/22/2004	0.00	11.4	57	50	57	10.2	20	198	92	79	100	30.35	30.31	30.39	15.4	12.4	62.7	82
4/23/2004	0.14	11.5	60	53	64	7.8	23	170	89	63	100	30.32	30.27	30.35	20.7	11.4	66.3	94
4/24/2004	0.00	11.5	54	48	79	5.6	14	203	94	80	100	30.46	30.32	30.56	28.8	14.7	59.3	82
4/25/2004	0.00	11.5	53	46	65	9.3	22	123	87	62	100	30.54	30.43	30.62	16.8	13.9	55.4	71
4/26/2004	0.46	12.0	59	46	58	8.2	22	171	93	81	100	30.24	30.13	30.40	23.2	13.5	63.6	85
4/27/2004	0.25	12.2	59	53	67	7.5	33	273	75	32	100	30.08	29.99	30.21	35.7	14.7	61.8	87
4/28/2004	0.00	12.2	51	46	73	9.1	29	274	51	26	85	30.49	30.24	30.66	14.8	11.9	54.4	76
4/29/2004	0.00	12.2	56	43	63	9.6	20	191	83	69	100	30.68	30.63	30.74	13.9	11.8	61.1	81
4/30/2004	0.00	12.2	57	49	63	7.7	16	186	90	74	100	30.57	30.49	30.64	14.6	12.0	62.7	84

Monthly summary:

Total Annual rain rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg W Dir	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
4.65 12.27	52	33	79	8.6	43	187	82	22	100	30.26	29.74	30.74	24.04	10	54.49	94

May 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
		for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
		year																
5/1/2004	0.00	12.2	59	52	66	7.6	17	184	94	81	100	30.44	30.35	30.49	15.2	12.2	65.2	88
5/2/2004	0.00	12.2	61	53	67	11.1	27	184	97	85	100	30.23	30.15	30.34	16.4	13.3	66.5	86
5/3/2004	0.48	12.7	54	56	67	7.8	27	221	100	98	100	30.18	30.12	30.23	50.6	17.5	54.2	61
5/4/2004	0.00	12.7	53	47	63	6.4	22	255	65	34	100	30.34	30.25	30.39	28.7	13.9	57.3	82
5/5/2004	0.00	12.7	56	46	64	8.4	21	187	90	73	100	30.30	30.22	30.38	15.4	13.0	60.4	81
5/6/2004	0.00	12.7	58	49	64	6.4	18	157	86	60	100	30.37	30.27	30.44	15.4	11.7	62.5	83
5/7/2004	0.23	12.9	64	51	65	6.8	44	184	87	66	100	30.37	30.32	30.46	20.1	11.4	69.8	88
5/8/2004	0.00	12.9	57	53	77	11.9	36	90	79	59	100	30.58	30.39	30.66	23.7	13.9	61.6	74
5/9/2004	0.03	13.0	59	51	66	5.3	17	153	95	84	100	30.45	30.38	30.53	16.5	13.7	65.1	85
5/10/2004	0.00	13.0	64	52	67	6.9	23	185	88	70	100	30.42	30.38	30.46	15.2	11.9	71.0	91
5/11/2004	0.00	13.0	67	55	75	8.1	18	208	84	59	100	30.43	30.40	30.47	13.7	10.9	72.9	99
5/12/2004	0.00	13.0	68	57	83	7.8	19	206	89	72	100	30.49	30.45	30.53	14.0	11.0	74.2	95
5/13/2004	0.00	13.0	65	60	81	6.7	17	194	93	80	100	30.51	30.48	30.54	15.0	11.3	72.0	94
5/14/2004	0.00	13.0	65	58	73	7.8	17	194	93	77	100	30.51	30.48	30.53	15.6	11.4	71.5	95
5/15/2004	0.00	13.0	67	59	73	9.3	21	201	90	72	100	30.47	30.43	30.50	15.3	11.1	73.5	96
5/16/2004	0.04	13.3	69	60	76	6.5	25	209	88	62	100	30.54	30.50	30.60	21.5	11.0	74.8	100
5/17/2004	0.00	13.3	65	60	82	6.1	14	185	97	85	100	30.61	30.58	30.66	31.2	14.5	69.9	94
5/18/2004	0.00	13.3	66	59	74	9.2	22	199	94	82	100	30.51	30.42	30.60	16.8	12.6	72.6	91
5/19/2004	0.33	13.6	67	60	72	5.4	16	156	92	61	100	30.40	30.35	30.45	22.7	12.4	70.7	103
5/20/2004	0.00	13.6	61	59	83	5.5	15	66	99	92	100	30.50	30.44	30.56	33.6	17.0	65.1	78
5/21/2004	0.00	13.6	65	58	67	5.7	17	178	98	91	100	30.37	30.28	30.47	17.3	13.8	70.7	92
5/22/2004	0.00	13.6	74	60	73	4.8	16	228	82	48	100	30.26	30.22	30.30	15.2	10.0	79.6	108
5/23/2004	0.00	13.6	73	59	91	8.0	19	213	87	62	100	30.19	30.16	30.23	13.8	10.0	80.2	109
5/24/2004	0.00	13.6	72	63	90	9.4	22	211	86	66	100	30.16	30.12	30.20	13.0	10.1	78.8	103
5/25/2004	0.41	14.0	72	61	87	4.8	29	150	88	65	100	30.16	30.12	30.20	15.2	10.4	78.3	101
5/26/2004	0.01	14.0	69	61	86	4.8	16	133	96	80	100	30.07	29.99	30.16	27.5	14.7	72.5	96
5/27/2004	0.00	14.0	70	62	80	6.0	19	192	95	82	100	30.03	29.96	30.07	17.7	13.8	74.0	94
5/28/2004	0.19	14.2	73	65	77	7.9	27	241	89	63	100	29.95	29.88	30.06	26.7	15.0	74.9	93
5/29/2004	0.00	14.2	67	65	82	7.9	20	183	70	51	96	30.25	30.07	30.35	13.7	10.6	71.8	88
5/30/2004	0.00	14.2	66	60	71	6.3	17	161	85	67	100	30.30	30.16	30.36	14.5	12.9	67.4	81
5/31/2004	1.15	15.4	68	57	72	4.8	27	191	100	92	100	29.98	29.86	30.15	33.4	15.8	70.8	85

Monthly summary:

Total Annual	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain	temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
2.87 15.41	65	46	91	7.1	44	184	90	34	100	30.33	29.86	30.66	20.14	10	69.99	109

June 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
		for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
		year																
6/1/2004	0.01	15.4	70	64	75	5.4	41	216	90	48	100	30.02	29.91	30.12	29.4	13.7	73.5	91
6/2/2004	0.00	15.4	73	61	82	7.1	20	226	77	43	100	30.17	30.11	30.22	14.6	10.1	77.6	103
6/3/2004	0.00	15.4	71	62	85	4.0	17	209	83	46	100	30.32	30.21	30.43	13.4	9.8	74.4	98
6/4/2004	0.18	15.6	66	60	84	8.0	24	62	99	92	100	30.43	30.35	30.48	26.7	14.3	65.9	78
6/5/2004	0.11	15.7	67	59	71	13.0	35	149	98	82	100	30.26	30.22	30.32	35.2	17.0	69.8	89
6/6/2004	0.00	15.7	65	63	75	6.3	17	191	97	77	100	30.34	30.26	30.43	18.2	14.8	68.8	89
6/7/2004	0.00	15.7	66	61	75	4.5	12	130	92	76	100	30.47	30.42	30.51	15.9	11.8	72.1	96
6/8/2004	0.00	15.7	68	59	74	4.0	13	164	93	78	100	30.52	30.47	30.56	15.4	11.1	72.3	101
6/9/2004	0.00	15.7	75	55	79	6.8	19	207	91	62	100	30.38	30.28	30.48	15.9	10.6	81.8	106
6/10/2004	0.04	15.7	81	65	89	7.8	37	231	81	55	100	30.19	30.12	30.27	15.4	9.3	88.0	112
6/11/2004	0.57	16.3	64	66	92	9.9	23	78	100	94	100	30.19	30.12	30.24	37.8	19.9	64.7	70
6/12/2004	0.17	16.4	66	57	73	9.4	22	61	78	64	100	30.39	30.24	30.52	28.6	13.1	71.3	92
6/13/2004	0.00	16.4	69	57	74	8.0	14	139	71	51	98	30.50	30.45	30.56	12.5	10.2	73.6	97
6/14/2004	0.00	16.4	71	61	76	10.8	23	193	94	80	100	30.39	30.34	30.44	13.8	11.4	76.3	97
6/15/2004	0.00	16.4	74	68	78	10.3	23	201	93	78	100	30.37	30.34	30.41	13.9	10.8	80.0	101
6/16/2004	0.00	16.5	72	69	81	5.4	15	194	99	89	100	30.42	30.39	30.46	17.6	13.8	75.5	90
6/17/2004	0.17	16.6	75	69	79	7.6	22	206	96	86	100	30.33	30.27	30.38	22.0	12.1	80.5	101
6/18/2004	0.06	16.7	82	68	81	6.4	22	254	78	47	100	30.22	30.17	30.27	27.4	8.9	87.3	111
6/19/2004	0.00	16.7	82	72	94	6.2	19	308	62	35	98	30.16	30.14	30.21	12.3	9.8	86.5	108
6/20/2004	0.00	16.7	69	72	90	8.2	24	128	52	42	83	30.32	30.22	30.38	11.3	9.8	74.4	95
6/21/2004	0.00	16.7	69	58	75	7.5	18	188	65	42	100	30.32	30.26	30.38	13.6	10.2	74.0	97
6/22/2004	0.09	16.8	74	56	78	7.6	19	202	92	72	100	30.18	30.11	30.25	22.4	12.5	79.7	101
6/23/2004	0.01	16.8	73	68	82	4.8	14	120	91	71	100	30.23	30.14	30.29	39.9	22.6	73.3	83
6/24/2004	0.00	16.8	74	67	78	4.6	12	75	86	65	100	30.33	30.27	30.40	22.6	14.7	79.6	101
6/25/2004	0.00	16.8	74	67	81	5.0	11	159	93	74	100	30.34	30.24	30.40	22.4	15.2	77.7	100
6/26/2004	0.56	17.3	75	68	84	5.6	17	294	79	55	100	30.19	30.13	30.32	34.4	16.4	77.2	92
6/27/2004	0.00	17.3	74	68	83	6.4	19	241	53	30	91	30.41	30.34	30.46	14.1	11.8	78.8	102
6/28/2004	0.00	17.3	70	65	83	3.3	11	128	93	69	100	30.36	30.29	30.42	16.9	14.8	70.9	93
6/29/2004	0.00	17.3	72	60	81	5.5	19	222	74	44	100	30.38	30.30	30.44	17.4	12.8	76.3	101
6/30/2004	0.00	17.3	73	58	82	5.9	17	189	83	52	100	30.47	30.44	30.51	15.6	12.9	78.0	101

Monthly summary:

Total Annual	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain rain	temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
1.97 17.39	72	55	94	6.8	41	179	84	30	100	30.32	29.91	30.56	20.56	8.9	76	112

July 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
		for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
		year																
7/1/2004	0.00	17.3	77	62	81	4.3	10	161	89	71	100	30.43	30.38	30.47	16.9	13.0	83.0	106
7/2/2004	0.30	17.6	76	69	86	5.0	23	188	95	80	100	30.31	30.26	30.37	28.2	16.4	79.7	98
7/3/2004	0.00	17.6	75	69	84	6.0	15	102	93	80	100	30.29	30.25	30.31	27.9	15.6	78.7	97
7/4/2004	0.00	17.6	77	67	83	8.2	19	138	92	73	100	30.28	30.21	30.31	17.6	14.7	81.0	99
7/5/2004	0.00	17.6	82	71	85	7.1	16	211	86	50	100	30.19	30.16	30.22	18.5	13.1	87.7	110
7/6/2004	0.00	17.6	80	75	94	5.0	17	206	80	47	100	30.20	30.16	30.24	14.4	11.7	87.0	107
7/7/2004	0.06	17.7	78	71	90	4.7	18	172	85	57	100	30.17	30.10	30.21	24.8	12.0	82.0	109
7/8/2004	0.00	17.7	79	69	90	6.3	16	217	90	79	100	30.18	30.12	30.22	27.1	14.8	83.9	104
7/9/2004	0.00	17.7	81	70	85	5.4	20	245	68	44	100	30.30	30.22	30.35	14.8	11.5	84.0	109
7/10/2004	0.00	17.7	78	70	91	5.3	12	116	76	47	100	30.38	30.34	30.41	13.7	11.0	83.5	106
7/11/2004	0.00	17.7	80	70	87	4.4	13	186	80	59	100	30.39	30.37	30.42	13.9	11.4	85.4	110
7/12/2004	2.98	20.7	78	68	91	10.2	28	174	92	76	100	30.30	30.17	30.39	23.1	14.2	80.0	93
7/13/2004	1.14	21.8	77	70	85	4.6	28	153	96	84	100	30.10	30.07	30.15	34.0	17.3	80.4	99
7/14/2004	0.00	21.9	78	70	85	6.7	30	154	92	76	100	29.96	29.85	30.07	22.8	14.1	83.2	106
7/15/2004	0.00	21.9	80	69	90	7.6	21	257	68	45	100	29.97	29.90	30.06	18.5	12.2	83.7	104
7/16/2004	0.00	21.9	80	69	88	6.5	20	256	61	36	93	30.08	30.03	30.16	12.8	10.1	85.0	108
7/17/2004	0.00	21.9	79	71	88	4.7	12	181	86	63	100	30.17	30.14	30.20	14.3	11.4	83.3	109
7/18/2004	1.71	23.6	75	65	90	6.1	22	154	97	82	100	30.09	30.02	30.18	28.4	16.6	78.3	102
7/19/2004	0.00	23.6	76	68	84	4.5	14	233	89	69	100	30.10	30.04	30.17	17.5	13.8	81.5	103
7/20/2004	0.00	23.6	79	71	85	4.3	19	227	81	57	100	30.22	30.15	30.26	15.0	12.0	83.5	108
7/21/2004	0.00	23.6	80	68	89	3.7	11	212	79	55	100	30.26	30.24	30.30	14.4	11.3	84.5	109
7/22/2004	0.00	23.6	79	71	90	6.4	16	193	89	74	100	30.22	30.18	30.25	15.5	12.5	83.7	105
7/23/2004	0.36	24.0	77	71	88	5.5	20	191	96	77	100	30.22	30.17	30.29	35.4	15.0	78.4	96
7/24/2004	1.38	25.4	73	70	85	7.1	17	70	100	100	100	30.38	30.29	30.46	38.5	19.9	73.5	80
7/25/2004	0.04	25.4	74	70	77	11.2	21	43	100	99	100	30.44	30.42	30.46	38.4	23.5	75.5	84
7/26/2004	0.00	25.4	74	70	79	6.9	16	51	98	87	100	30.40	30.35	30.44	22.5	17.0	76.9	90
7/27/2004	0.11	25.5	79	70	80	7.3	22	163	95	85	100	30.29	30.24	30.35	20.2	13.4	85.6	106
7/28/2004	0.99	26.5	76	72	87	3.9	17	210	99	88	100	30.27	30.24	30.30	50.1	23.3	77.6	99
7/29/2004	0.33	26.8	76	71	83	4.1	12	113	100	94	100	30.36	30.31	30.41	41.3	23.3	77.9	88
7/30/2004	0.00	26.8	80	71	83	6.0	12	172	95	80	100	30.42	30.40	30.45	24.4	13.8	86.5	109
7/31/2004	0.00	26.8	81	73	88	6.0	12	166	93	80	100	30.39	30.36	30.43	17.8	12.1	88.9	111

Monthly summary:

Total Annual	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain	temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
9.4 26.89	78	62	94	6.0	30	171	88	36	100	30.25	29.85	30.47	23.31	10.1	82.05	111

August 2004

	Rainfall [Inches]		Air Temperature [Degrees F]			Wind Speed DIR			Relative Humidity [Percent]			Barometric Pressure [Inches]			Fuel Moist. [Percent]		Fuel Temp. [Degrees F]	
Date	Daily	Total	Avg	Min	Max	[MPH]			Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
	Total	for				Avg	Max	Avg										
	year																	
8/1/2004	2.37	29.2	79	74	90	3.3	21	154	96	77	100	30.35	30.31	30.38	28.9	13.8	82.1	106
8/2/2004	0.93	30.1	78	71	88	3.1	16	126	99	87	100	30.26	30.21	30.30	39.5	19.2	80.3	104
8/3/2004	2.75	32.9	75	73	87	7.2	18	97	100	99	100	30.11	30.02	30.20	51.8	42.1	74.8	81
8/4/2004	0.00	32.9	82	71	78	4.9	15	267	85	52	100	30.05	30.03	30.07	29.1	13.6	86.2	112
8/5/2004	0.85	33.7	74	71	94	6.0	22	111	98	87	100	30.04	29.98	30.10	32.2	15.6	73.7	87
8/6/2004	0.13	33.9	70	66	81	8.0	22	252	70	41	100	30.13	30.05	30.21	30.2	14.6	72.3	90
8/7/2004	0.00	33.9	69	62	77	5.4	19	307	59	41	79	30.26	30.19	30.37	13.3	11.4	71.3	93
8/8/2004	0.00	33.9	72	60	78	4.0	15	262	68	42	100	30.42	30.37	30.45	12.9	10.1	75.7	103
8/9/2004	0.00	33.9	75	59	84	4.3	16	242	79	45	100	30.42	30.39	30.45	13.4	10.4	78.9	107
8/10/2004	0.00	33.9	77	62	88	9.8	23	198	86	72	100	30.33	30.27	30.39	13.8	11.2	81.8	101
8/11/2004	0.00	33.9	78	69	83	11.8	23	191	88	74	100	30.25	30.22	30.28	13.5	11.2	83.2	101
8/12/2004	0.00	33.9	79	73	84	9.2	19	171	93	76	100	30.24	30.20	30.27	14.9	11.5	83.9	107
8/13/2004	0.49	34.4	75	74	87	5.0	21	199	99	89	100	30.23	30.17	30.34	39.5	16.3	74.7	84
8/14/2004	2.92	37.3	71	69	79	5.6	32	131	100	98	100	30.40	30.33	30.49	53.8	37.4	71.0	79
8/15/2004	0.28	37.6	71	67	77	3.8	21	200	98	85	100	30.50	30.38	30.55	51.1	29.6	71.3	85
8/16/2004	1.83	39.4	71	67	78	7.6	28	92	96	82	100	30.45	30.40	30.52	39.7	22.4	72.2	92
8/17/2004	0.00	39.4	74	63	78	5.3	14	216	92	69	100	30.41	30.36	30.45	22.9	15.3	77.1	102
8/18/2004	0.00	39.4	76	65	86	9.5	20	199	96	80	100	30.34	30.30	30.37	16.6	14.0	79.6	99
8/19/2004	0.00	39.4	78	70	82	9.1	20	203	97	90	100	30.33	30.31	30.36	16.5	13.5	82.3	99
8/20/2004	0.00	39.4	79	73	83	8.3	17	197	96	84	100	30.33	30.27	30.37	17.6	12.8	83.8	104
8/21/2004	0.09	39.5	76	73	86	8.7	24	226	98	86	100	30.19	30.12	30.28	27.7	13.2	79.3	103
8/22/2004	0.00	39.5	70	68	85	6.9	20	94	78	55	100	30.32	30.24	30.36	19.4	13.0	74.3	100
8/23/2004	0.00	39.5	70	56	78	3.3	13	183	84	59	100	30.33	30.30	30.37	14.9	11.0	75.0	102
8/24/2004	0.00	39.5	75	55	82	3.0	10	149	90	68	100	30.41	30.34	30.48	15.8	11.1	79.7	107
8/25/2004	0.00	39.5	75	64	86	4.2	15	68	93	76	100	30.53	30.48	30.57	15.8	12.0	78.3	104
8/26/2004	0.00	39.5	77	65	84	4.6	12	94	94	80	100	30.53	30.49	30.56	15.4	11.5	82.3	106
8/27/2004	0.00	39.5	78	70	84	3.7	14	142	90	71	100	30.45	30.40	30.50	16.0	10.9	83.3	109
8/28/2004	0.00	39.5	78	68	88	5.3	13	183	88	67	100	30.33	30.27	30.39	16.1	10.8	83.5	109
8/29/2004	0.00	39.5	79	70	88	4.5	12	161	92	76	100	30.28	30.26	30.30	15.6	10.8	84.0	111
8/30/2004	0.26	39.7	79	68	90	9.6	34	114	97	83	100	30.20	30.01	30.28	24.9	13.8	83.5	105
8/31/2004	0.06	39.8	79	73	89	7.8	29	220	90	62	100	30.25	29.90	30.42	30.8	14.1	82.9	107

Monthly summary:

Total Annual rain	Avg temp	Min temp	Max temp	Avg wind	Max wind	Avg W Dir	Avg RH	Min RH	Max RH	Avg BP	Min BP	Max BP	Avg FM	Min FM	Avg FT	Max FT
12.96 39.85	75	55	94	6.2	34	176	90	41	100	30.31	29.9	30.57	24.62	10.1	78.78	112

September 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
	Total	for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
year		year																
9/1/2004	0.00	39.8	74	70	89	4.6	19	83	77	49	100	30.45	30.41	30.49	14.1	10.7	77.3	103
9/2/2004	0.00	39.8	75	62	83	8.0	17	127	82	66	100	30.49	30.46	30.52	13.4	10.6	80.1	105
9/3/2004	0.00	39.8	76	69	83	10.3	18	66	93	78	100	30.48	30.42	30.51	13.9	11.7	79.9	102
9/4/2004	0.00	39.8	76	71	85	8.0	20	39	93	72	100	30.42	30.40	30.44	15.1	12.4	78.7	104
9/5/2004	0.00	39.8	74	68	85	15.8	31	57	96	88	100	30.46	30.39	30.53	15.5	13.9	76.1	88
9/6/2004	0.00	39.8	74	70	80	14.5	28	69	93	78	100	30.47	30.40	30.51	14.7	12.4	78.7	97
9/7/2004	0.00	39.8	75	70	81	7.4	16	61	98	89	100	30.33	30.29	30.39	16.5	13.1	80.0	97
9/8/2004	0.00	39.8	77	71	82	8.3	24	135	97	86	100	30.25	30.19	30.30	17.5	13.6	81.2	102
9/9/2004	0.06	39.9	78	72	85	13.5	33	205	93	76	100	30.19	30.15	30.32	20.9	15.2	80.8	96
9/10/2004	0.00	39.9	75	71	83	4.3	15	253	80	46	100	30.41	30.33	30.47	13.9	10.5	79.6	109
9/11/2004	0.00	39.9	73	66	88	8.3	19	57	85	69	100	30.49	30.44	30.53	14.6	12.6	75.3	95
9/12/2004	0.00	39.9	71	68	80	5.2	15	123	80	60	100	30.49	30.45	30.53	13.5	10.5	75.8	102
9/13/2004	0.00	39.9	69	57	80	1.8	10	206	89	67	100	30.48	30.44	30.51	14.3	11.0	71.7	103
9/14/2004	0.00	39.9	71	57	83	10.5	24	82	89	78	100	30.53	30.48	30.57	14.8	13.1	72.5	91
9/15/2004	1.28	41.2	72	60	79	9.0	23	112	99	90	100	30.47	30.39	30.55	44.8	14.6	71.2	75
9/16/2004	0.00	41.2	75	69	74	2.3	11	211	95	79	100	30.36	30.31	30.40	36.1	17.5	79.0	101
9/17/2004	0.00	41.2	77	69	84	10.5	31	157	99	93	100	30.18	29.97	30.32	19.3	15.3	80.1	98
9/18/2004	0.17	41.3	71	69	83	14.9	41	154	98	87	100	29.95	29.86	30.24	43.9	18.6	71.8	83
9/19/2004	0.00	41.3	63	60	78	11.3	32	29	69	52	87	30.43	30.25	30.54	24.2	14.6	66.1	86
9/20/2004	0.00	41.3	63	57	70	8.2	29	91	75	58	100	30.60	30.55	30.65	14.1	12.4	64.8	87
9/21/2004	0.00	41.3	67	51	72	3.6	12	301	76	44	100	30.54	30.49	30.59	14.8	10.8	69.1	100
9/22/2004	0.00	41.3	71	56	82	2.5	11	260	78	48	100	30.48	30.43	30.52	13.9	10.0	73.8	105
9/23/2004	0.00	41.3	72	62	85	7.0	18	144	81	54	100	30.46	30.42	30.50	13.5	10.4	75.8	100
9/24/2004	0.00	41.3	71	64	82	10.0	19	62	83	66	100	30.49	30.47	30.53	14.6	11.2	74.8	96
9/25/2004	0.00	41.3	71	66	78	5.5	13	104	85	68	100	30.42	30.38	30.47	13.8	10.7	74.1	101
9/26/2004	0.00	41.3	70	57	79	3.3	10	178	87	60	100	30.39	30.36	30.42	15.0	10.5	72.1	104
9/27/2004	0.00	41.3	71	54	81	9.8	17	95	97	88	100	30.37	30.28	30.42	19.3	14.2	72.9	87
9/28/2004	1.10	42.4	74	67	76	11.8	32	173	99	91	100	30.03	29.82	30.27	40.0	17.0	76.7	96
9/29/2004	0.00	42.4	68	69	82	7.5	27	227	97	87	100	30.10	29.80	30.30	35.6	19.9	68.6	75
9/30/2004	0.14	42.6	69	64	72	5.3	13	180	94	82	100	30.35	30.28	30.41	20.8	16.2	70.8	87

Monthly summary:

Total Annual	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain rain	temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
2.75 42.63	72	51	89	8.1	41	135	89	44	100	30.38	29.8	30.65	19.88	10	74.97	109

October 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
		for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
		year																
10/1/2004	0.00	42.6	69	63	76	6.4	14	103	72	51	100	30.49	30.42	30.53	17.6	12.8	71.6	95
10/2/2004	0.23	42.8	71	60	77	9.1	21	176	92	78	100	30.44	30.38	30.52	29.7	13.4	71.4	88
10/3/2004	0.00	42.8	66	67	79	6.0	21	78	94	82	100	30.42	30.38	30.46	32.1	17.3	66.7	76
10/4/2004	0.00	42.8	65	57	70	3.3	14	206	94	74	100	30.38	30.33	30.42	18.7	15.0	65.2	85
10/5/2004	0.00	42.8	60	53	77	7.3	27	105	71	52	100	30.52	30.37	30.65	19.5	13.8	61.1	81
10/6/2004	0.00	42.8	56	53	67	4.3	16	183	65	36	100	30.69	30.63	30.74	13.3	10.7	58.3	88
10/7/2004	0.00	42.8	60	40	68	2.5	11	253	79	43	100	30.70	30.68	30.75	13.9	10.3	59.4	94
10/8/2004	0.00	42.8	65	43	76	3.7	12	159	84	53	100	30.64	30.56	30.69	14.2	10.6	65.8	97
10/9/2004	0.00	42.8	67	47	78	3.3	10	215	90	68	100	30.46	30.37	30.55	16.4	12.7	65.7	94
10/10/2004	0.00	42.8	65	59	78	5.9	24	266	77	41	100	30.30	30.25	30.35	15.4	11.8	66.4	92
10/11/2004	0.00	42.8	56	54	77	7.0	22	309	71	50	99	30.32	30.27	30.36	13.0	11.6	56.6	79
10/12/2004	0.00	42.8	54	47	66	6.4	19	313	73	49	100	30.14	30.05	30.26	13.3	11.0	56.7	83
10/13/2004	0.05	42.9	58	44	67	4.7	24	172	82	52	100	29.99	29.88	30.06	18.4	12.6	55.5	79
10/14/2004	0.03	42.9	62	45	69	5.1	20	232	99	95	100	29.84	29.75	29.94	30.4	18.2	61.9	69
10/15/2004	0.12	43.0	62	57	65	10.5	32	190	98	85	100	29.81	29.70	29.94	39.2	20.0	61.0	70
10/16/2004	0.00	43.0	58	54	68	9.5	28	255	76	51	95	29.95	29.82	30.10	27.7	16.0	59.3	79
10/17/2004	0.00	43.0	54	50	68	7.6	26	259	66	37	100	30.20	30.13	30.30	15.3	13.1	53.2	79
10/18/2004	0.00	43.0	59	37	63	6.3	19	148	64	30	100	30.39	30.31	30.45	14.1	11.3	60.2	90
10/19/2004	1.19	44.2	67	38	71	8.0	22	157	100	92	100	30.24	30.20	30.32	36.0	14.4	67.3	75
10/20/2004	0.28	44.5	60	62	72	14.5	30	39	100	100	100	30.26	30.18	30.32	54.8	50.5	59.9	63
10/21/2004	0.00	44.5	59	58	63	14.2	25	45	88	76	100	30.35	30.29	30.40	28.3	18.9	60.2	66
10/22/2004	0.05	44.5	30	58	63	10.5	23	63	86	73	100	30.43	30.38	30.46	22.6	17.5	56.4	64
10/23/2004	0.06	44.6	54	51	61	8.2	24	161	83	65	100	30.40	30.33	30.45	28.7	16.3	56.0	75
10/24/2004	0.00	44.6	53	50	63	4.6	15	237	82	71	93	30.28	30.24	30.31	15.9	15.4	53.2	61
10/25/2004	0.00	44.6	55	48	57	4.8	14	191	83	60	100	30.34	30.30	30.39	15.6	13.8	58.5	81
10/26/2004	0.00	44.6	56	47	64	4.7	16	209	88	67	100	30.42	30.38	30.47	15.9	14.4	56.5	74
10/27/2004	0.00	44.6	55	50	65	4.4	12	269	88	58	100	30.46	30.43	30.52	16.3	13.6	54.6	81
10/28/2004	0.00	44.6	56	47	65	6.9	16	171	86	63	100	30.54	30.50	30.58	17.0	13.7	57.8	80
10/29/2004	0.00	44.6	59	50	66	6.0	16	183	92	75	100	30.39	30.28	30.52	16.4	14.8	59.3	72
10/30/2004	0.00	44.6	63	55	66	6.2	15	207	100	100	100	30.18	30.09	30.28	19.5	16.5	64.0	71
10/31/2004	0.00	44.6	68	59	67	6.4	20	248	80	46	100	30.14	30.08	30.26	19.7	13.4	68.3	93

Monthly summary:

Total Annual	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain	temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
2.01	59	37	79	6.7	32	187	84	30	100	30.33	29.7	30.75	21.58	10.3	60.9	97

November 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
	Total	for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
year		year																
11/1/2004	0.00	44.6	62	57	80	3.8	11	210	70	37	100	30.39	30.29	30.46	14.2	11.7	62.1	89
11/2/2004	0.00	44.6	65	53	73	7.0	16	158	86	73	100	30.36	30.19	30.45	15.4	12.8	67.0	85
11/3/2004	0.00	44.6	62	59	72	8.3	25	202	67	39	100	30.35	30.16	30.49	14.9	12.4	63.8	80
11/4/2004	0.86	45.5	56	51	70	10.7	26	149	87	63	100	30.19	29.88	30.46	37.9	13.1	55.5	64
11/5/2004	0.00	45.5	54	49	65	10.0	32	274	59	38	100	30.13	29.91	30.28	27.7	16.3	53.7	69
11/6/2004	0.00	45.5	53	48	58	6.4	22	240	63	35	100	30.26	30.18	30.32	15.1	13.4	53.5	79
11/7/2004	0.00	45.5	56	37	64	6.2	19	217	82	63	100	30.18	30.13	30.25	14.9	13.1	55.8	81
11/8/2004	0.00	45.5	52	42	67	7.8	26	295	54	31	95	30.41	30.12	30.61	13.4	11.6	52.7	72
11/9/2004	0.00	45.5	44	41	59	7.4	21	246	49	30	62	30.72	30.61	30.81	11.8	10.8	44.0	64
11/10/2004	0.00	45.5	45	38	51	5.4	12	201	57	38	76	30.84	30.77	30.91	11.9	10.5	45.3	69
11/11/2004	0.00	45.5	50	37	53	4.1	15	220	83	63	100	30.61	30.49	30.75	13.5	11.8	49.6	78
11/12/2004	1.81	47.3	53	36	62	8.1	28	111	99	92	100	30.43	30.38	30.49	44.3	15.6	53.4	60
11/13/2004	0.54	47.8	45	46	59	11.5	35	156	78	49	100	30.63	30.35	30.87	38.0	19.4	45.0	59
11/14/2004	0.00	47.8	41	36	53	6.5	24	245	60	36	79	30.94	30.87	31.01	17.4	15.6	41.9	63
11/15/2004	0.00	47.8	46	33	51	4.2	15	310	65	33	98	30.81	30.72	30.89	15.1	13.6	45.4	70
11/16/2004	0.00	47.8	47	39	59	2.4	9	239	74	44	100	30.65	30.58	30.72	14.6	13.0	44.0	73
11/17/2004	0.00	47.8	46	34	60	3.3	12	219	83	45	100	30.58	30.57	30.61	15.5	13.0	45.2	77
11/18/2004	0.00	47.8	50			3.3	11	222	95	68	100	30.50	30.44	30.56	16.0	14.0	49.6	72
11/19/2004	0.00	47.8	53	37	61	0.5	6	205	94	78	100	30.42	30.39	30.44	16.4	14.8	53.6	70
11/20/2004	0.14	47.9	55	48	61	2.1	8	138	100	95	100	30.41	30.37	30.44	23.6	15.7	55.5	67
11/21/2004	0.00	47.9	54	48	61	3.8	14	209	98	87	100	30.48	30.40	30.52	39.7	22.3	54.6	66
11/22/2004	0.11	48.1	52	45	61	1.7	8	201	100	100	100	30.43	30.36	30.50	32.8	22.5	51.7	60
11/23/2004	0.04	48.1	55	43	57	5.8	12	84	100	100	100	30.33	30.30	30.36	53.4	41.6	55.4	58
11/24/2004	0.10	48.2	58	53	56	8.3	26	132	100	100	100	30.13	29.86	30.30	52.5	40.9	58.4	64
11/25/2004	0.13	48.3	55	55	61	12.7	46	245	84	58	100	29.84	29.62	30.18	38.1	20.0	55.2	76
11/26/2004	0.00	48.3	41	41	66	5.1	21	279	57	36	89	30.46	30.21	30.60	17.4	15.3	42.0	65
11/27/2004	0.08	48.4	49	30	51	10.8	24	135	90	69	100	30.52	30.22	30.64	18.9	14.9	48.4	68
11/28/2004	0.82	49.2	56	28	58	8.6	28	248	86	64	100	30.17	30.06	30.42	37.8	18.2	55.8	71
11/29/2004	0.00	49.2	45	43	64	4.9	21	281	71	43	100	30.54	30.43	30.58	16.6	14.7	43.8	66
11/30/2004	0.00	49.2	47	33	55	3.3	14	259	85	48	100	30.52	30.37	30.61	16.5	14.8	45.3	69

Monthly summary:

Total Annual	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain rain	temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
4.63 49.27	52	28	80	6.1	46	211	79	30	100	30.44	29.62	31.01	23.84	10.5	51.57	89

December 2004

	Rainfall		Air Temperature			Wind			Relative Humidity			Barometric Pressure			Fuel Moist.		Fuel Temp.	
	Inches]		[Degrees F]			Speed DIR			[Percent]			[Inches]			[Percent]		[Degrees F]	
Date	Daily	Total				[MPH]												
		for	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
		year																
12/1/2004	0.09	49.3	54	36	56	14.2	38	242	78	46	100	30.17	29.94	30.37	24.5	16.0	51.9	66
12/2/2004	0.00	49.3	48	44	60	6.5	16	244	60	33	100	30.37	30.18	30.48	15.0	13.7	48.5	70
12/3/2004	0.00	49.3	45	41	57	5.7	24	285	69	37	100	30.22	30.12	30.36	15.6	13.3	43.0	65
12/4/2004	0.00	49.3	44	34	54	4.1	13	227	67	39	96	30.37	30.32	30.43	14.2	12.7	43.3	70
12/5/2004	0.00	49.3	46	31	53	3.3	13	235	81	45	100	30.46	30.35	30.56	15.0	13.1	43.3	73
12/6/2004	0.00	49.3	53	33	60	4.9	14	157	96	86	100	30.47	30.40	30.56	16.1	15.2	52.2	61
12/7/2004	0.25	49.6	55	48	57	7.2	26	181	100	100	100	30.22	30.05	30.39	47.0	19.0	55.3	60
12/8/2004	0.00	49.6	56	50	60	5.0	19	262	80	48	100	30.31	30.05	30.46	25.5	15.6	54.5	77
12/9/2004	0.23	49.8	53	38	67	9.6	31	85	97	88	100	30.33	30.07	30.48	31.6	16.5	52.0	64
12/10/2004	2.07	51.9	57	45	60	9.0	23	175	100	100	100	29.87	29.72	30.06	54.6	50.8	57.1	61
12/11/2004	0.03	51.9	50	54	60	6.4	26	237	96	77	100	29.78	29.71	29.95	42.9	28.0	49.0	63
12/12/2004	0.00	51.9	45	42	58	8.7	24	261	70	59	79	30.04	29.95	30.12	20.6	17.8	44.9	61
12/13/2004	0.08	52.0	46	41	51	9.2	25	270	71	47	100	30.02	29.92	30.24	23.6	16.8	46.3	63
12/14/2004	0.00	52.0	38	37	56	10.0	27	308	58	51	67	30.40	30.25	30.57	15.6	14.7	38.3	57
12/15/2004	0.00	52.0	32	32	46	7.8	25	315	58	43	76	30.70	30.57	30.76	14.4	13.8	32.9	47
12/16/2004	0.00	52.0	37	28	38	5.3	18	257	66	41	92	30.70	30.54	30.80	14.7	13.6	35.4	58
12/17/2004	0.00	52.0	43	26	48	5.1	18	208	60	38	83	30.53	30.48	30.57	13.9	12.6	41.4	66
12/18/2004	0.00	52.0	45	37	54	8.0	17	157	77	64	100	30.35	30.19	30.52	14.5	13.4	44.9	61
12/19/2004	0.11	52.1	40	37	54	5.3	30	260	96	69	100	30.03	29.91	30.17	24.0	15.1	38.1	55
12/20/2004	0.00	52.1	21	25	51	12.5	38	307	62	41	98	30.24	29.99	30.50	19.2	16.7	22.0	31
12/21/2004	0.00	52.1	35	15	25	7.2	28	225	56	40	83	30.47	30.39	30.53	16.4	15.5	33.8	54
12/22/2004	0.00	52.1	46	18	46	6.5	16	181	79	50	100	30.55	30.49	30.61	15.5	14.2	46.8	67
12/23/2004	0.45	52.5	51	34	54	12.0	33	197	99	78	100	30.23	30.04	30.46	41.1	16.6	51.1	57
12/24/2004	0.00	52.5	34	39	56	8.8	29	342	65	53	75	30.43	30.32	30.48	21.3	16.8	35.8	45
12/25/2004	0.00	52.5	30	31	40	7.3	19	238	65	51	80	30.52	30.45	30.57	16.0	15.3	30.7	41
12/26/2004	0.00	52.5	32	27	35	7.8	19	273	94	80	100	30.35	30.22	30.52	20.9	15.7	31.4	34
12/27/2004	0.00	52.5	28	30	33	8.0	25	322	63	49	90	30.66	30.35	30.89	18.3	16.0	27.7	43
12/28/2004	0.00	52.5	28	23	32	5.2	17	268	57	23	89	30.84	30.66	30.96	15.5	14.6	29.8	56
12/29/2004	0.15	52.7	39	21	36	4.5	20	222	79	50	100	30.55	30.49	30.63	15.4	14.4	39.7	61
12/30/2004	0.00	52.7	43	31	50	4.5	15	63	90	73	100	30.72	30.60	30.81	16.0	14.6	41.9	61
12/31/2004	0.01	52.7	43	34	52	3.8	14	175	100	93	100	30.69	30.60	30.77	18.8	16.0	42.0	61

Monthly summary:

Total Annual	Avg	Min	Max	Avg	Max	Avg	Avg	Min	Max	Avg	Min	Max	Avg	Min	Avg	Max
rain	temp	temp	temp	wind	wind	W Dir	RH	RH	RH	BP	BP	BP	FM	FM	FT	FT
3.47 52.74	42	15	67	7.2	38	232	77	23	100	30.37	29.71	30.96	21.87	12.6	42.09	77