

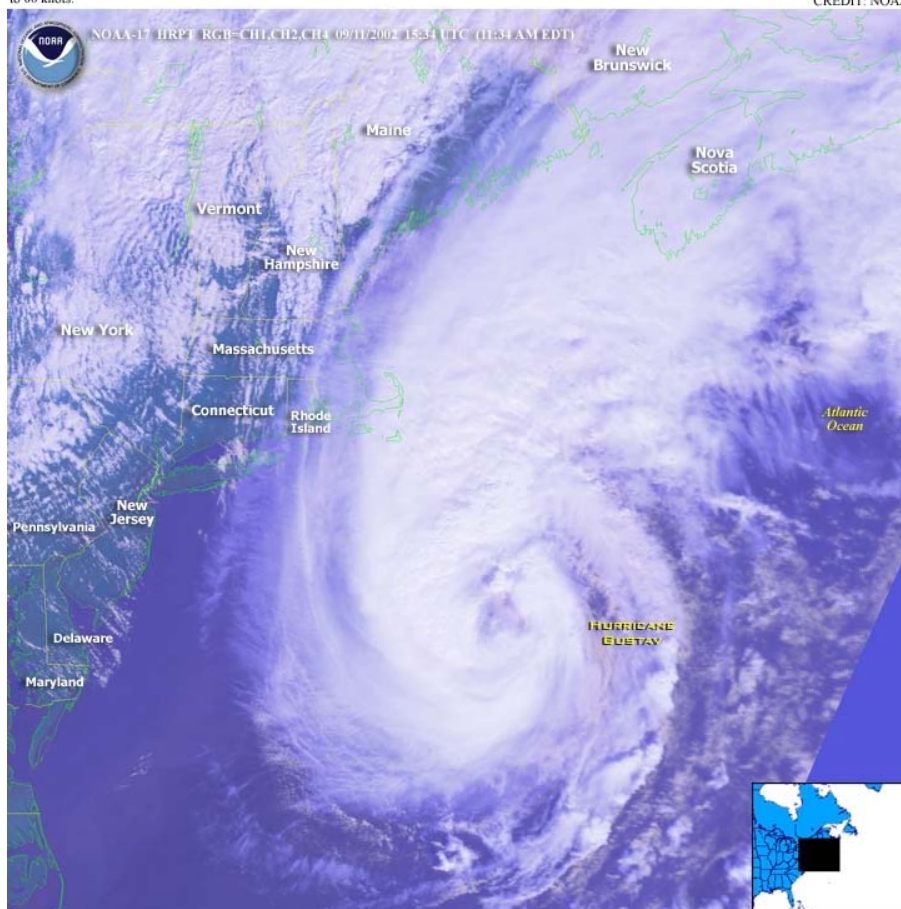
Assateague Island National Seashore

Meteorological Monitoring Program

2002 Weather Data Report

Hurricane Gustav was located over the Atlantic Ocean near 38.6N 69.7W at 15:00 UTC. Gustav has been moving northeastward at 20 knots with maximum sustained winds estimated at 65 knots, gusts to 80 knots.

CREDIT: NOAA



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Abstract

Assateague Island National Seashore (ASIS) continued the operation of three weather data collection stations in Maryland during 2002 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), 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 2002 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 2002, 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.

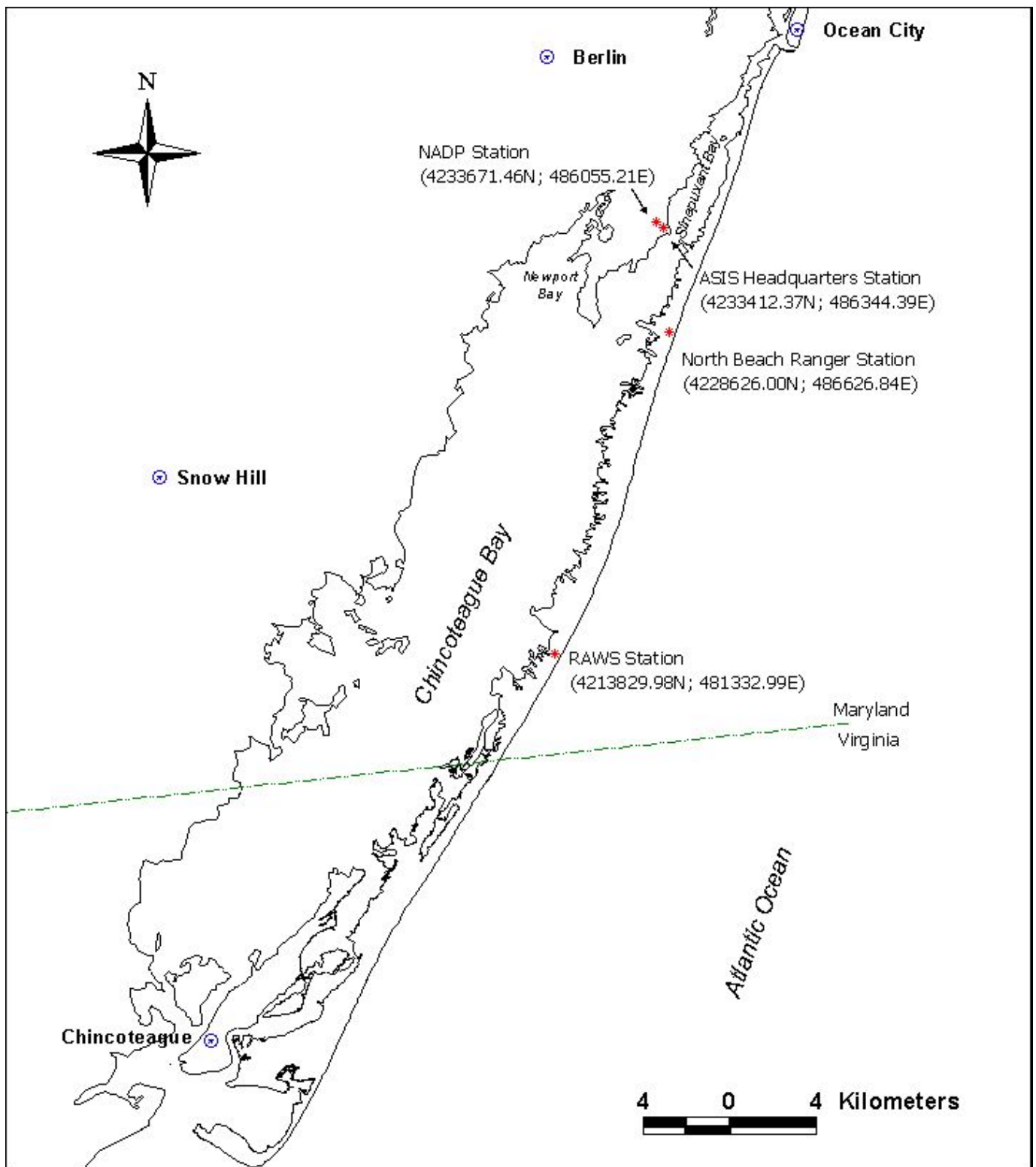


Figure 1. ASIS weather data collection stations

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) and the Maryland State Climatologist (University of Maryland, College Park, MD) in a standard NOAA monthly report (see Figure 2). Processed data are saved in a Microsoft Access database under the RAWS subdirectory on the author’s PC hard drive, while a periodically-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 2002. 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 2002. 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 author’s 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 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.

Assateague State Park/Woodcock Field

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 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

Figure 2. Sample NOAA/NWS Report

Results and Discussion

Storm Activity

Following the calm tropical storm season pattern that began in 2000 in the Mid-Atlantic region, 2002 at ASIS was free of any major impacts. NOAA Climate Prediction Center (CPC) characterizes the 2002 season as a “slightly below average season overall” in an online National Climatic Data Center (NCDC) report entitled *Climate of 2002 Atlantic Hurricane Season* (December 16, 2002). According to the document, there were 12 named storms during this Atlantic Hurricane Season. And, though above the 52-year annual average of 9.8 named storms, only 4 of these storms became hurricanes (compared to the 5.8 hurricanes/year average). Of the 4 hurricanes, 2 were classified as *Major* (2.5 on average).

September, however, was above average for number of tropical storm system formations with eight, making it the most active month on record in the Atlantic Basin for this parameter (NOAA, December 16, 2002). Noted as well in *Climate of 2002 Atlantic Hurricane Season* is the number of landfalling tropical storms in the continental U.S. – seven, the most since 1998; and 2002 saw the first hurricane (Lili) to hit a coastal area since Irene in October 1999.

On September 11, at a distance of about 450 Km, Gustav was the closest tracking Hurricane to ASIS (see Figure 3, Hurricane Tracking Chart, NOAA-National Hurricane Center), with no effects to the landform of note. After hitting land in South Carolina on October 11, and then heading Northeast to sea, the nearest (~350 Km) Tropical Storm was Kyle around the 12th of October. Dying out on the same day, Kyle (September 20 – October 12), was “the third longest-lived tropical cyclone in the Atlantic Basin” (NOAA, December 16, 2002), climbing to Category 1 hurricane strength on September 25 until the 28th.

A plausible reason for the relatively mild hurricane year (low frequency, weaker systems) was the presence of a moderately strong **El Nino** Pacific circulation pattern, but this cause-effect relationship is still under study as covered in *EL NIÑO SUPPRESSED HURRICANES IN 2002 SEASON, NOAA REPORTS*, an online report in NOAA NEWS, November 25, 2002:

"Gaining a better understanding of the atmospheric conditions controlling seasonal hurricane activity is at the heart of NOAA extended range hurricane outlooks," said Laver [Climate Prediction Center (CPC) Director Jim Laver]. "This is our fifth straight year of issuing accurate outlooks for overall hurricane season activity. But future success depends on more research into how global and regional climate patterns affect Atlantic hurricane activity."

Though El Nino has brought increased Nor'Easter activity to the Eastern United States in the past, such storms were not a very significant meteorological factor this year – due possibly to the moderate intensity of the latest pattern. The storm on December 04-05 that iced large portions of the southeast like Raleigh-Durham where over a million residents lost electric power, brought ASIS about 2” snow and sustained ENE winds up to 26 mph, and gusts of 36 mph. A Christmas Day storm that blanketed much of the Mid-Atlantic region with heavy snow, dropped only about one-half inch of rain at ASIS, but blew winds 29 mph sustained at one point and gusted to 46 mph three times. This storm brought high water run-up and overwash to ASIS, with otherwise serious effects possibly being mitigated by the recently re-constructed beach.

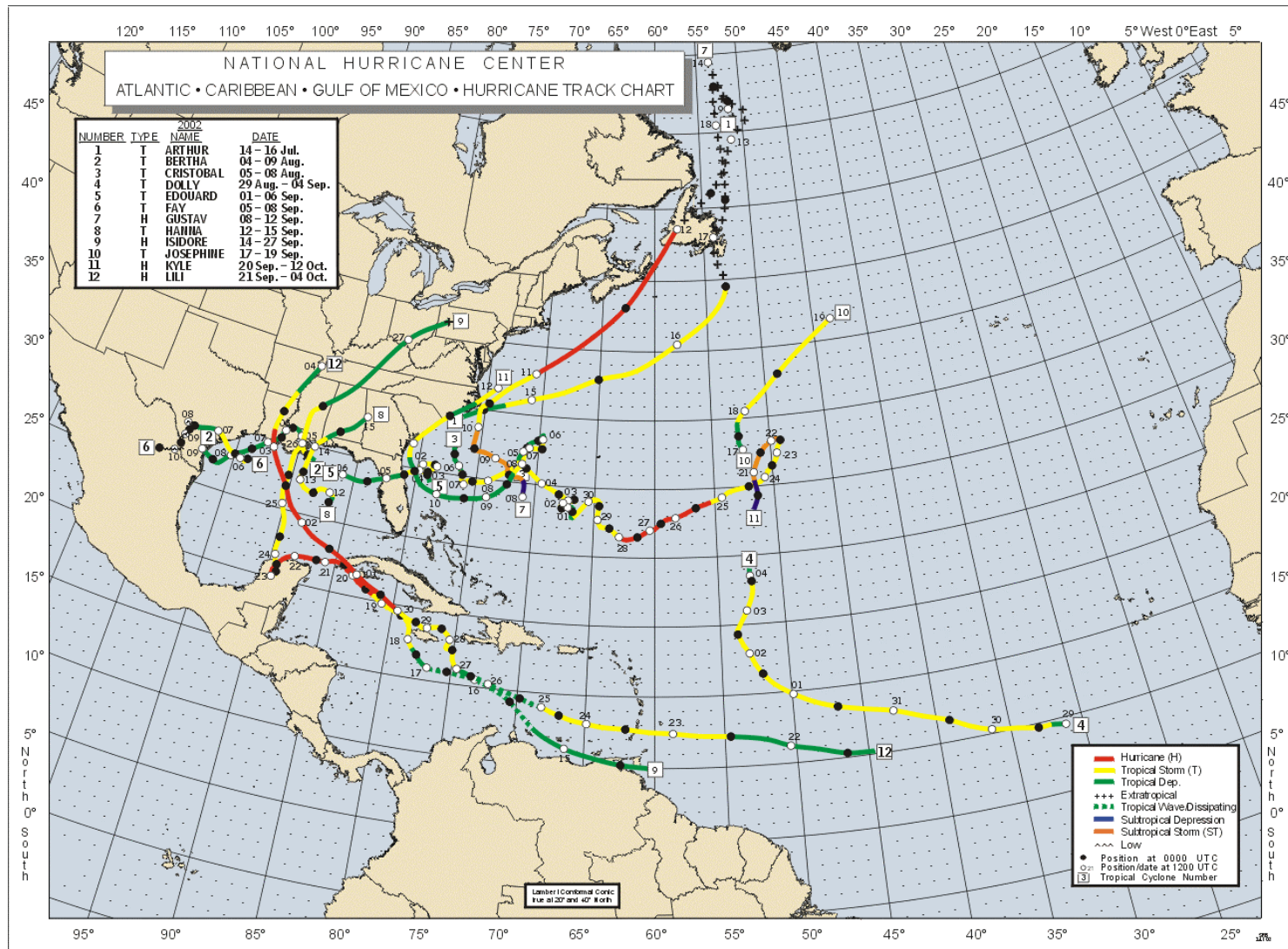


Figure 3. 2002 Hurricane Tracking Chart, NOAA-National Hurricane Center. <http://www.nhc.noaa.gov/2002atlan.shtml>

Precipitation and Drought

RAWS collected 44.35 inches of precipitation in 2002 (Figure 3), compared to the 1992-2001 Average of 40.82 inches. The HQ total was 45.23 inches (includes 5.76 inches of snow); and the Belfort gauge at the NADP site recorded 42.43 inches. The Maryland Department of the Environment (MDE, Water Conservation Homepage, December 2002) reported on the drought situation for the Eastern monitoring region (including Worcester County). *Rainfall* among the drought monitoring parameters (Rainfall, Stream Flow, Groundwater, Reservoirs, Overall Status) carried over from November 2001 to April 2002 in *Emergency* condition. As reported by MDE, an Overall Emergency was issued on August 20 and Level 2 Restrictions were in place by August 27:

Kent, Queen Anne's, Caroline, Talbot, Dorchester, Wicomico, Somerset and Worcester Counties are designated as the Eastern Region. Rainfall for July was below normal for all counties in the region and continued below normal in August. The rainfall from September 1, 2001 through August 25, 2002 was 61% of normal for an accumulated rainfall deficit of 16.5 inches. The rainfall indicator is now in the Emergency range. Ground water levels now show three of the four monitoring wells at record low levels for this time of year. The remaining well is in the Normal range. The overall groundwater status for the region is Emergency. When last evaluated for the week ending August 13, the streamflow indicator was also indicating a drought Emergency. Based on these indicators, the Governor has declared a drought **EMERGENCY** for the Eastern region and Level Two emergency restrictions begin on August 27, 2002.

In Figure 4, note that ASIS precipitation was below average from July through September, and though not a very significant difference, these drier-than-normal conditions worsened the overall deficit carried over from last year as shown above and in Figure 5. NOAA NEWS (December 17, 2002) reported on country-wide drought and found that at its most severe extent in August, slightly more than half of the contiguous US was considered in moderate to extreme drought conditions. The eastern United States and Assateague found relief by November. Worcester County lifted Level 2 Restrictions on the 19th, and the Overall Status was back to *Normal* on December 18, 2002.

Temperatures

NOAA (NCDC, January 23, 2003), determined that 2002 is the second warmest year on record for global temperature at 1.01°F above the long term average (1998 is ranked first). The average temperature of the Contiguous U.S. has risen 1°F/100 years since 1895 (NOAA NEWS, December 17, 2002). As for Assateague Island, the 2002 average temperature was 58.9° F, 2° above the 10-year (1992-2001) average of 56.9° F. In 1998 –the second warmest year in ASIS RAWS records as well – the average value was 58.8° F.

RAWS Notes

Sensors were replaced in May and December of 2002. Data reporting anomalies in 2002 were limited to the span of December 19-31. A programming error resulted in the daily Maximum and Minimum air temperature values being taken from a data set of 24 readings at 39 minutes after each hour, as opposed to the standard set of 288 readings (temperature recorded every 5 minutes for 24 hours).

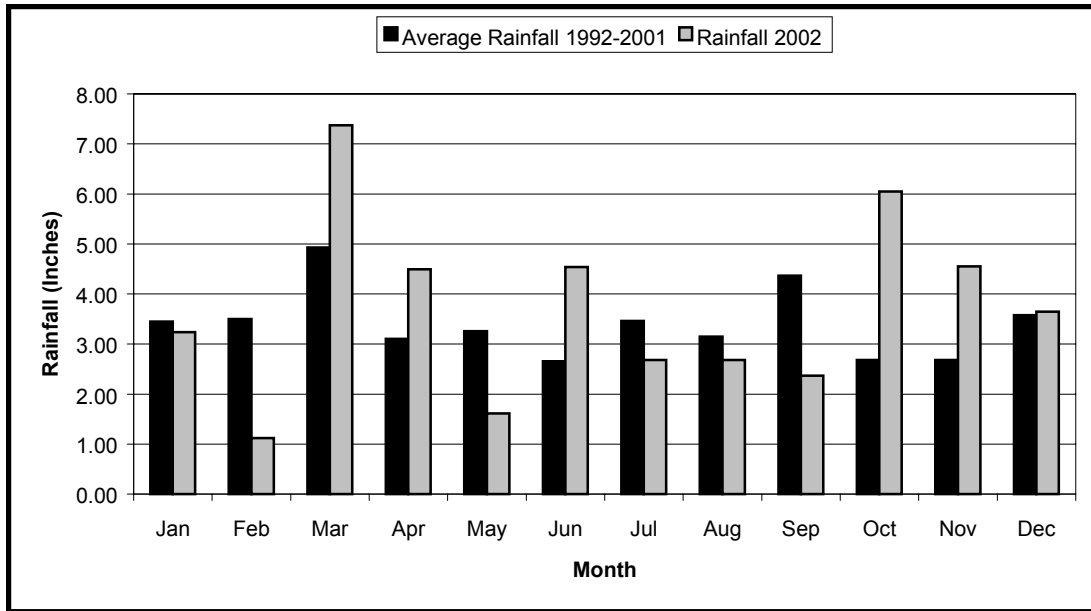


Figure 4. ASIS RAWS monthly rainfall for 2002 compared to average rainfall for the period 1992-2001.

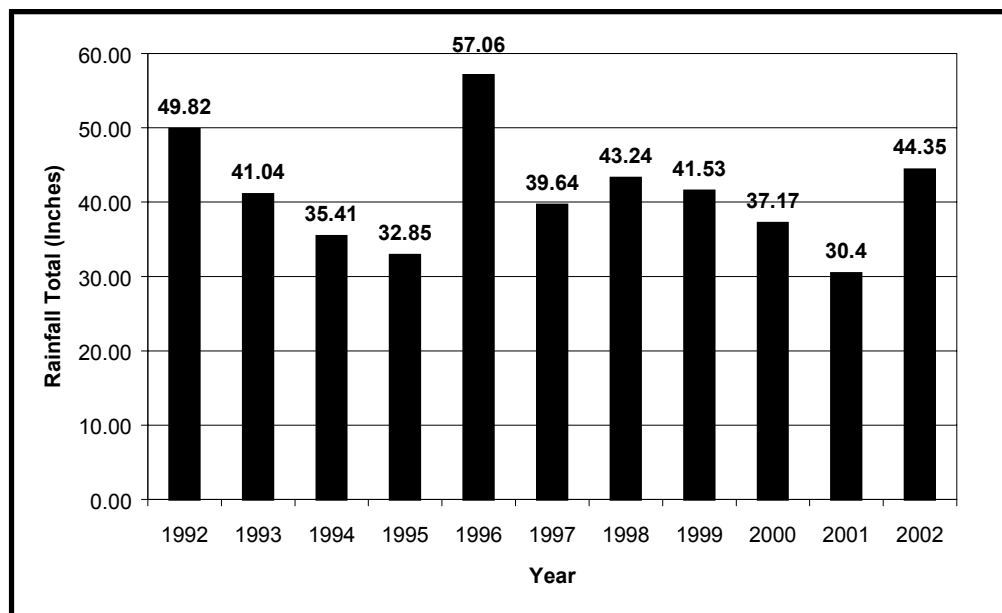


Figure 5. ASIS RAWS annual rainfall for 1992-2002.

Works Cited

Maryland Department of the Environment (MDE), Water Conservation Home website. *Previous Conditions Year 2002*. Updated December 31, 2002 < http://www.mde.state.md.us/Programs/WaterPrograms/Water_Consevation/Previous_Conditions/index.asp >

United States Department of Commerce, NOAA. National Climactic Data Center (NCDC) website. *Climate of 2002 Atlantic Hurricane Season*. December 16, 2002 < <http://lwf.ncdc.noaa.gov/oa/climate/research/hurricanes02.html> >

United States Department of Commerce, NOAA. National Climactic Data Center (NCDC) website. *Climate of 2002 Annual Review*. January 23, 2003 < <http://lwf.ncdc.noaa.gov/oa/climate/research/2002/ann/ann02.html> >

United States Department of Commerce, NOAA. NOAA NEWS website. Story 1067, *EL NIÑO SUPPRESSED HURRICANES IN 2002 SEASON, NOAA REPORTS*. Nov. 25, 2002 < <http://www.noaanews.noaa.gov/stories/s1067.htm> >

United States Department of Commerce, NOAA. NOAA NEWS website. Story 1075, *NOAA REPORTS 2002 WAS MARKED BY WIDESPREAD DROUGHT IN THE U.S., RETURN OF EL NIÑO, AND WARM GLOBAL TEMPERATURE*. Dec. 17, 2002 < <http://www.noaanews.noaa.gov/stories/s1075.htm> >

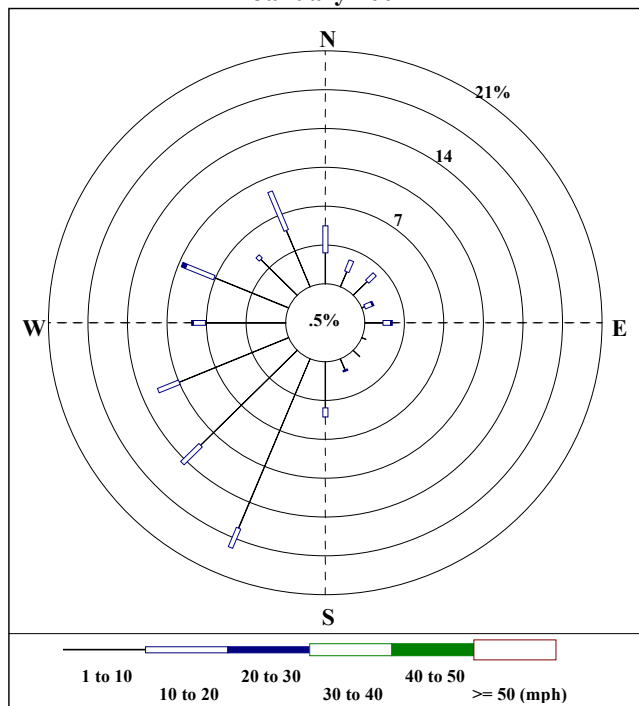
Appendix A

2000 Graphics

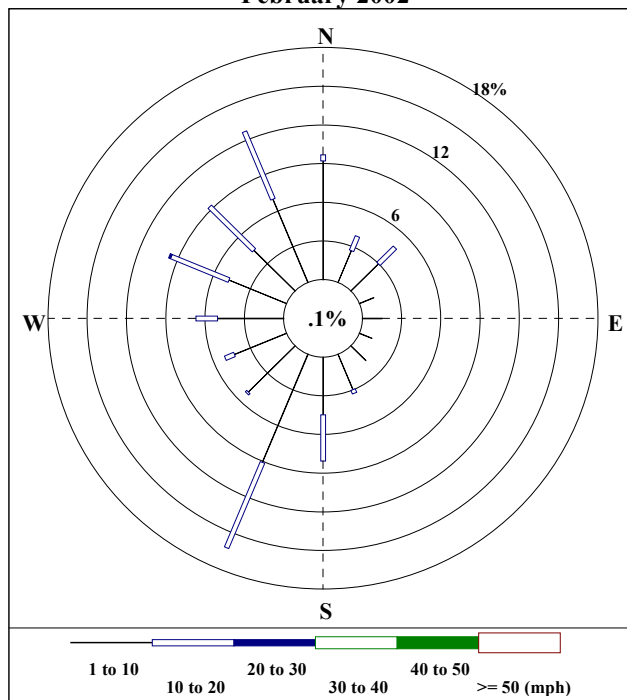
The monthly compilations of graphical data presented on the following pages are daily summaries of the RAWS hourly data for each parameter recorded by ASIS RAWS. When the RAWS sensors were disconnected for servicing, data from the North Beach station or ASIS Headquarters station were substituted for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

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

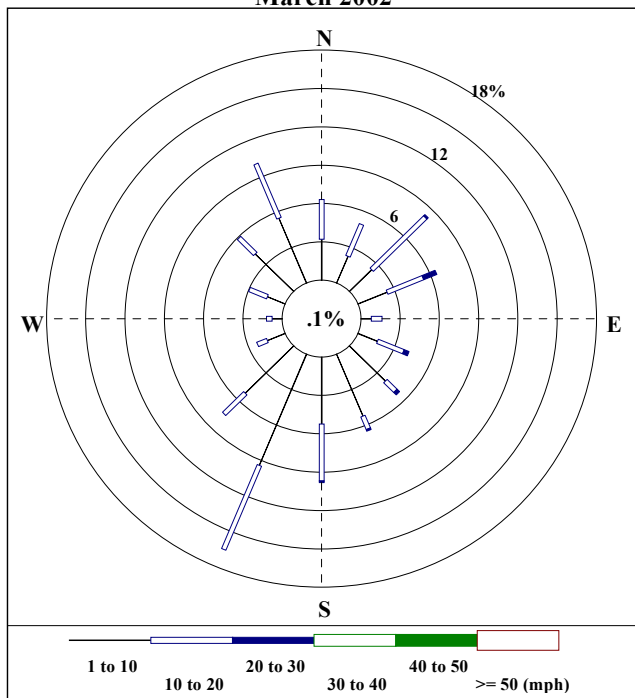
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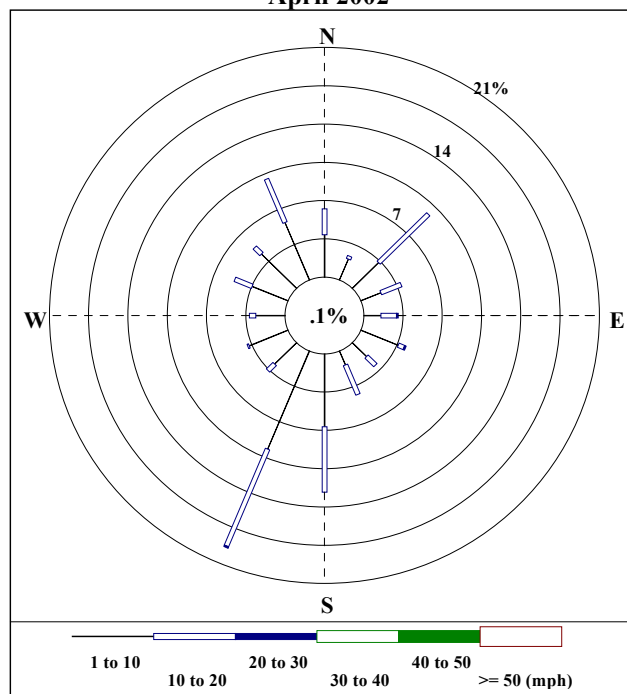
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March 2002



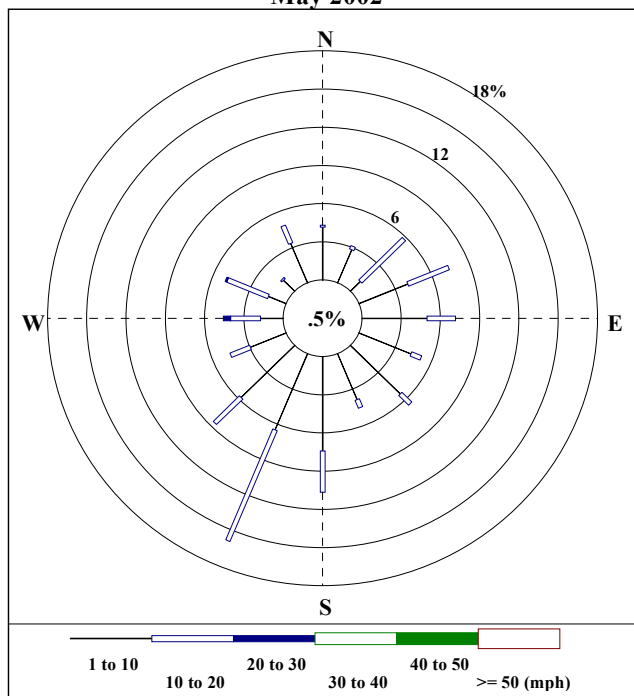
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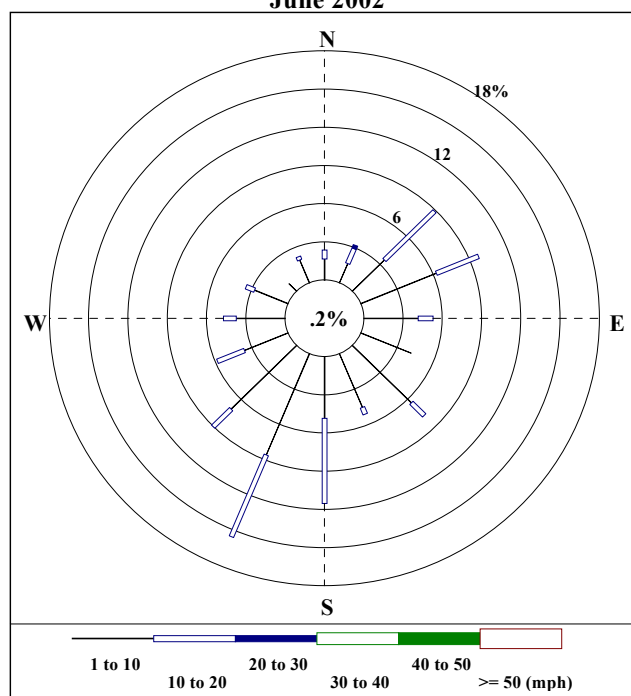
The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

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

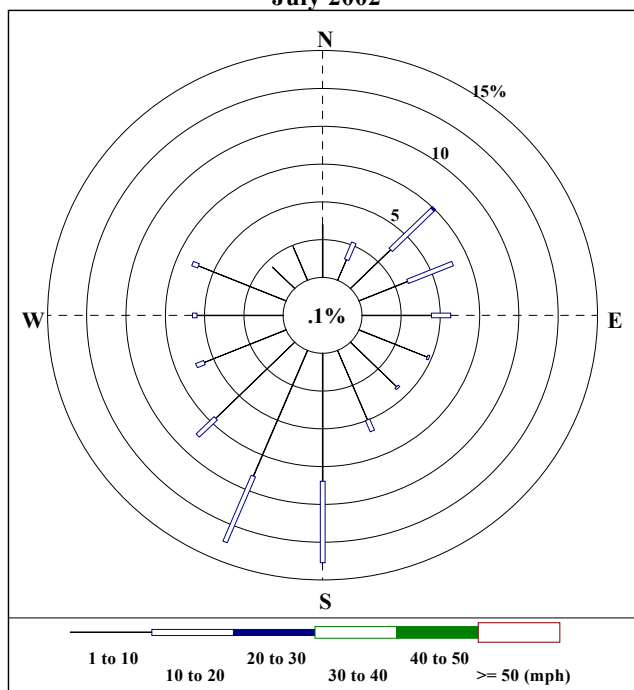
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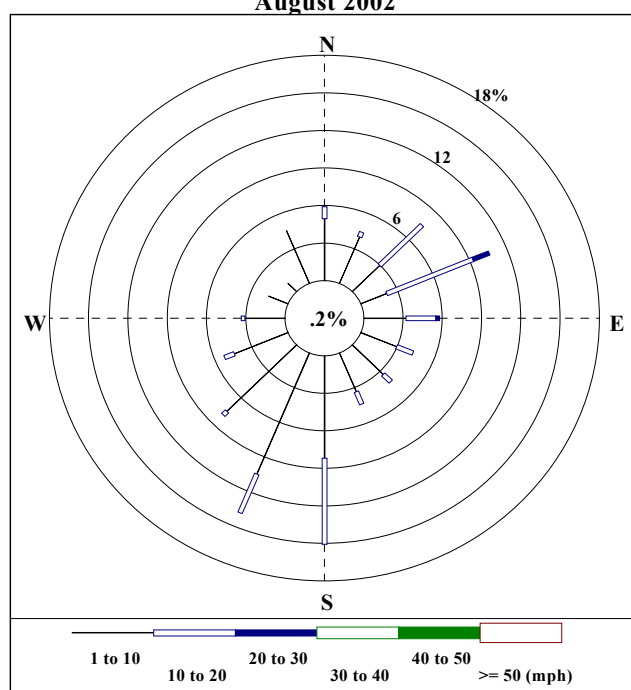
June 2002



July 2002



August 2002

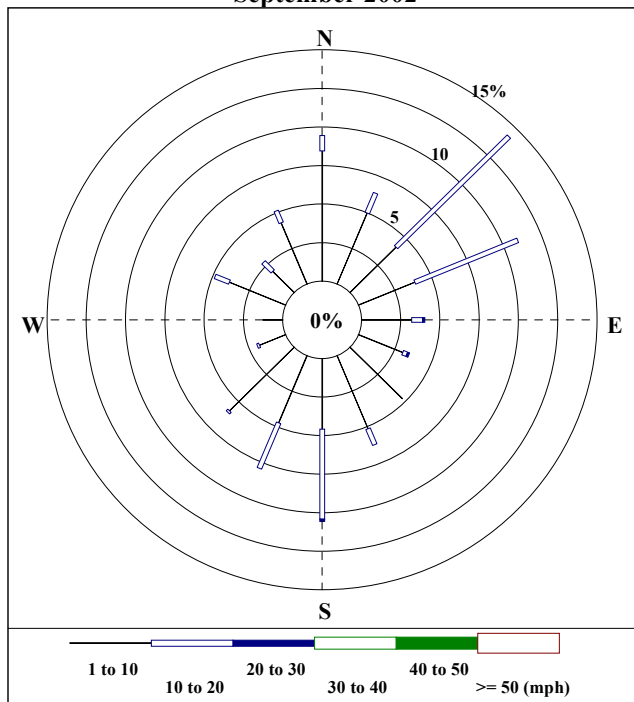


The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

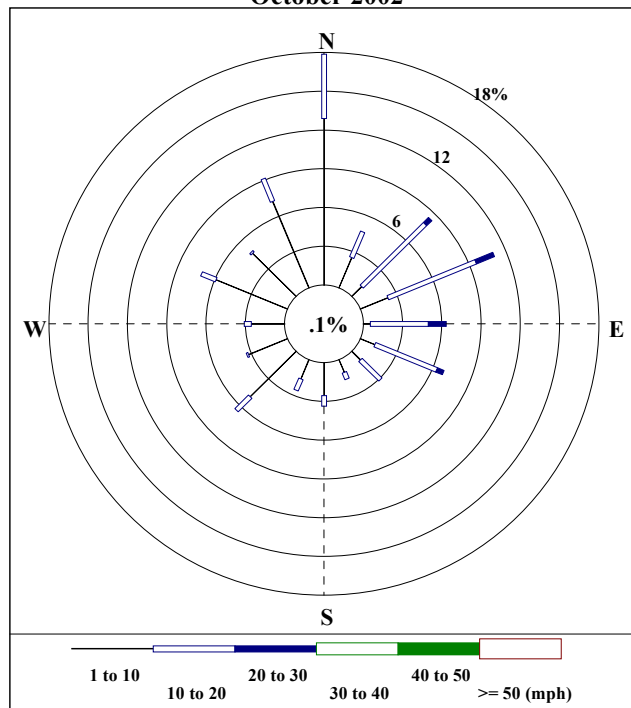
Assateague Island National Seashore Windroses

Average Wind Speed (MPH) and Direction, Compiled Hourly

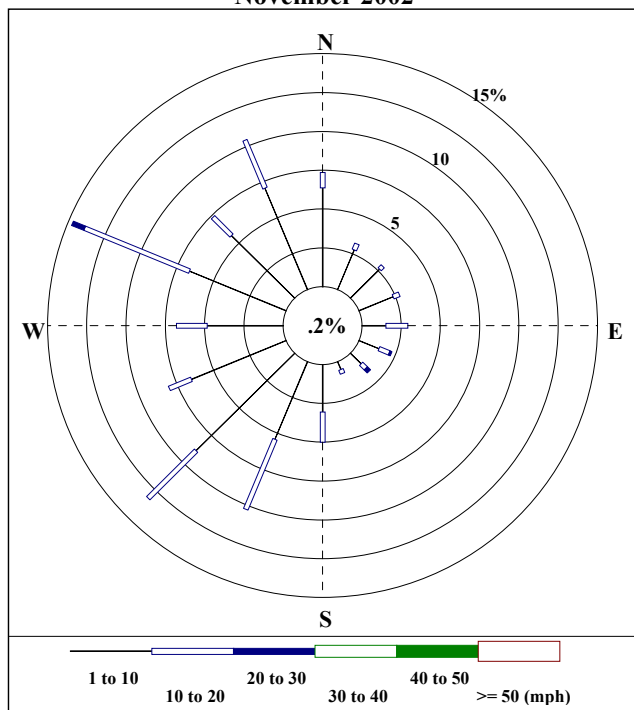
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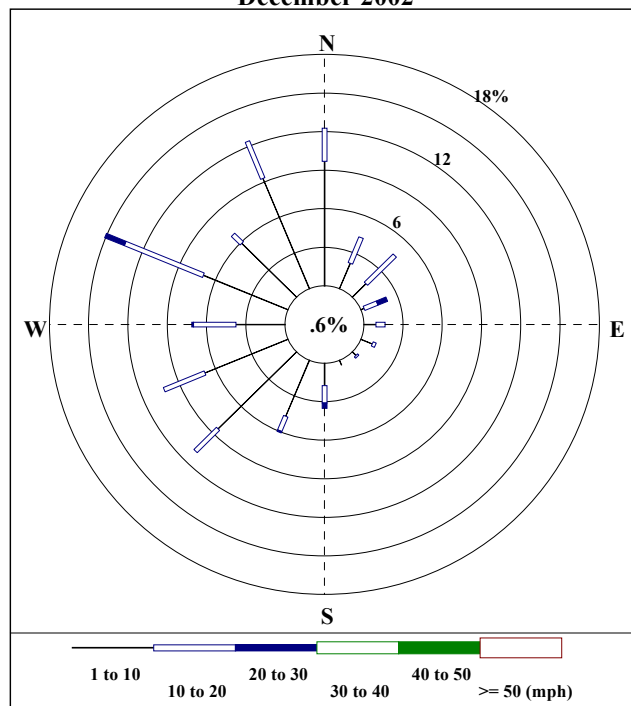
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November 2002



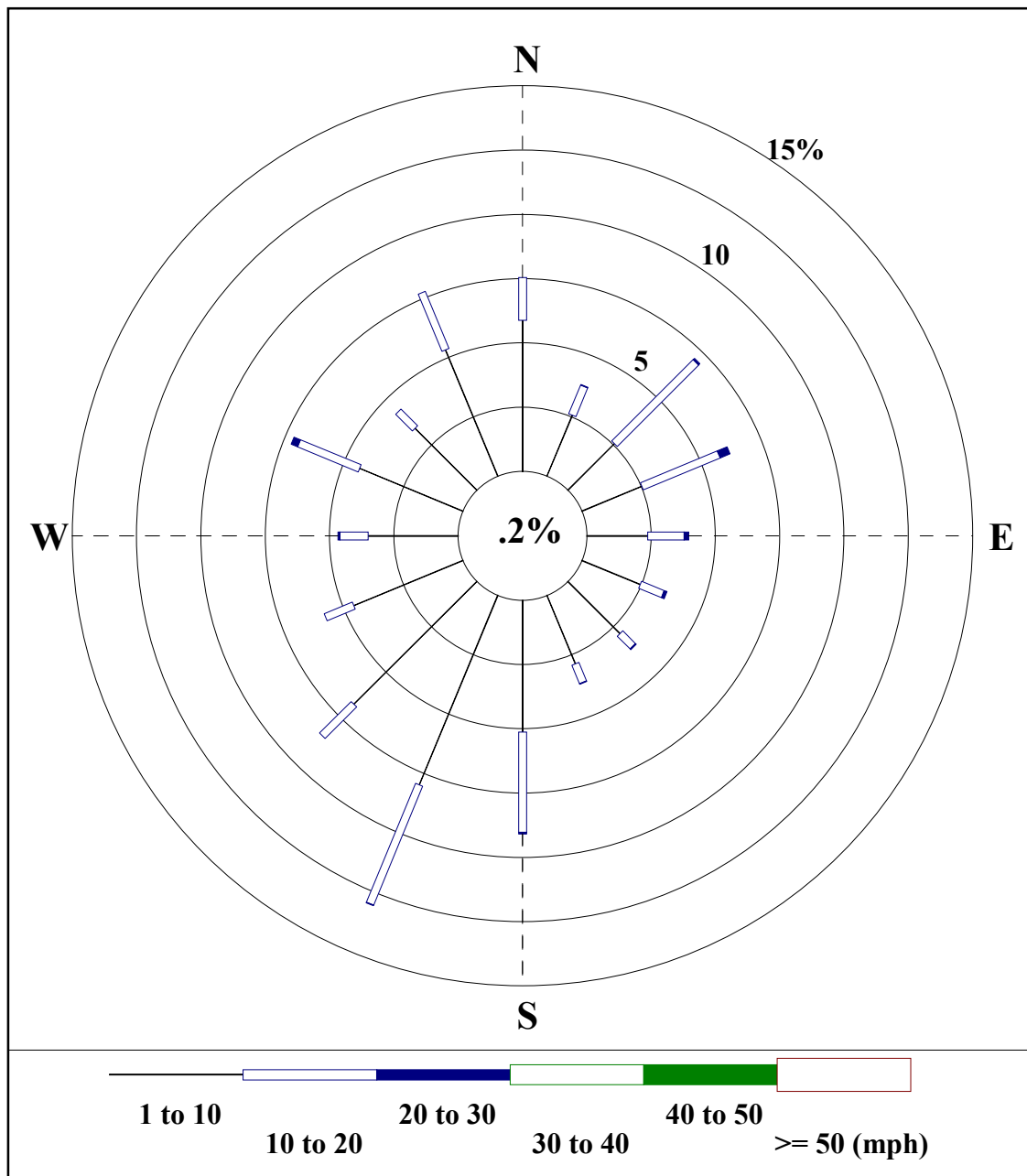
December 2002



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

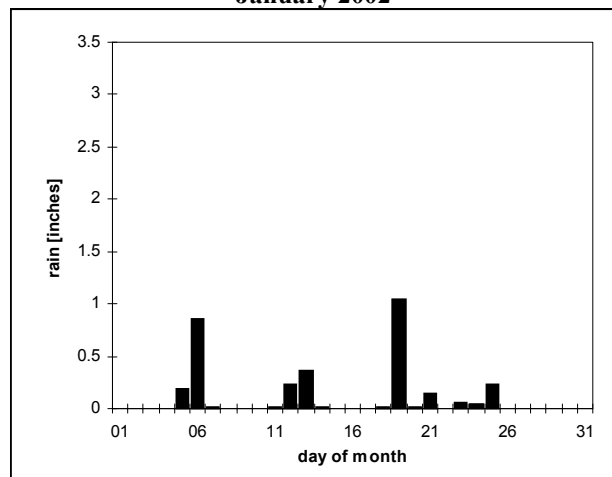
January 1, 2002 through December 31, 2002



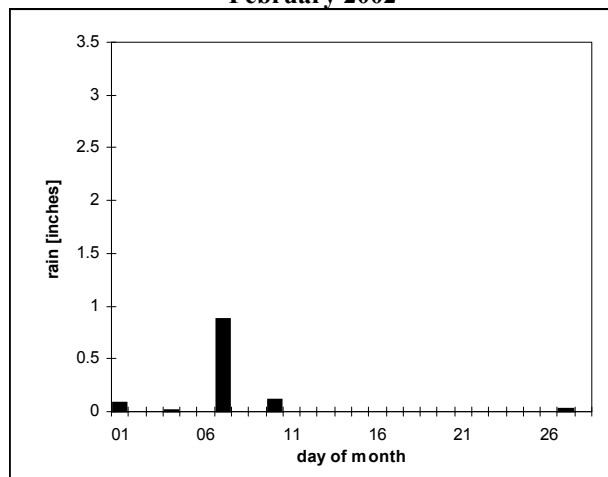
Assateague Island National Seashore — 2002

Daily Rainfall [Inches]

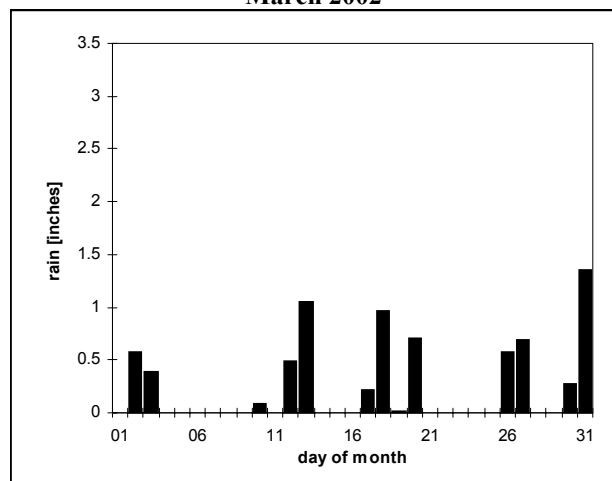
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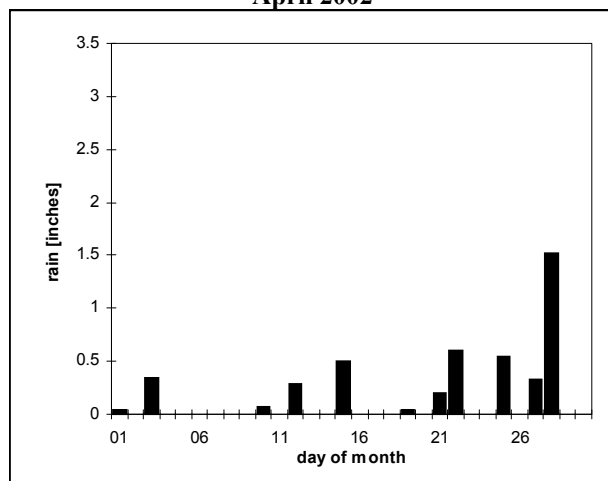
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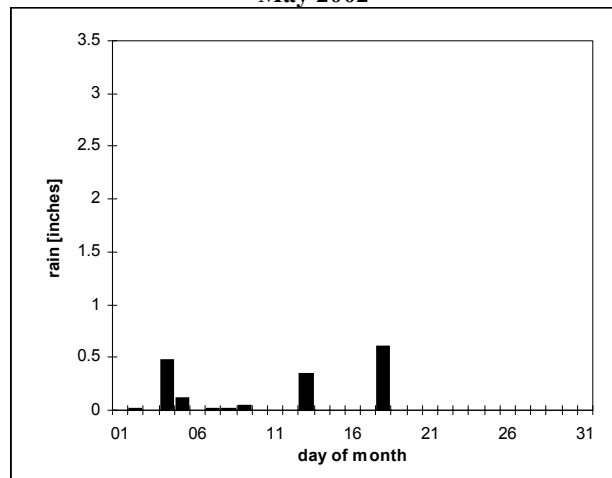
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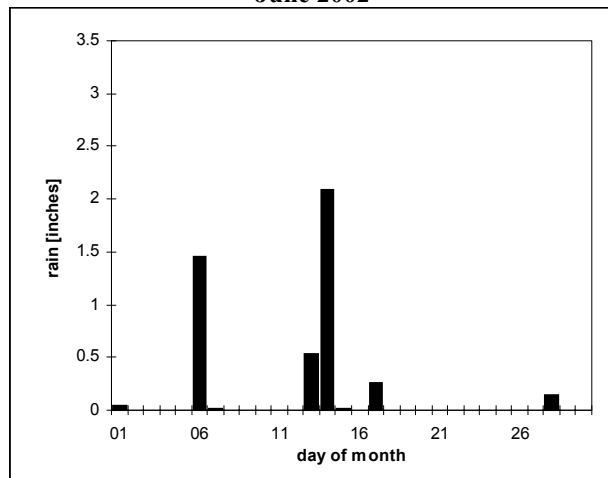
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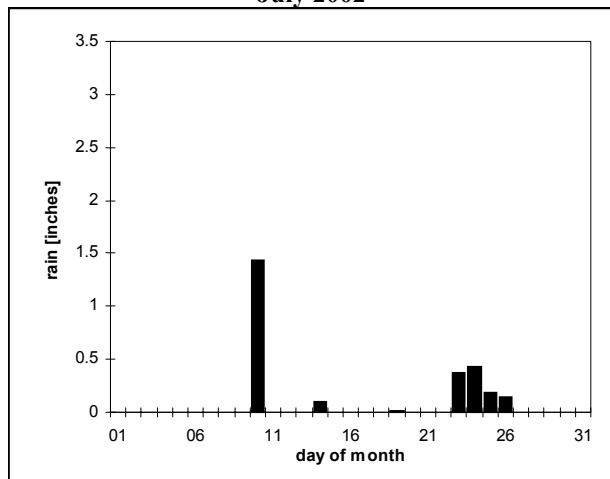
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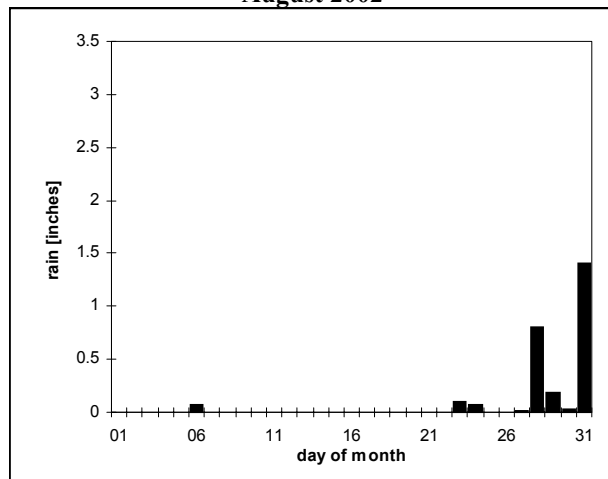
Assateague Island National Seashore — 2002

Daily Rainfall [Inches]

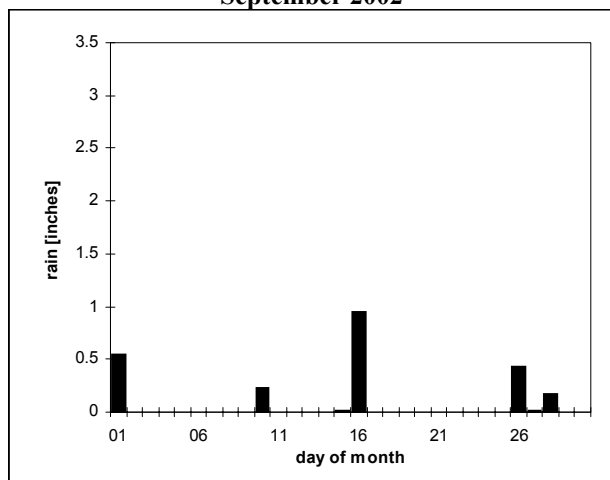
July 2002



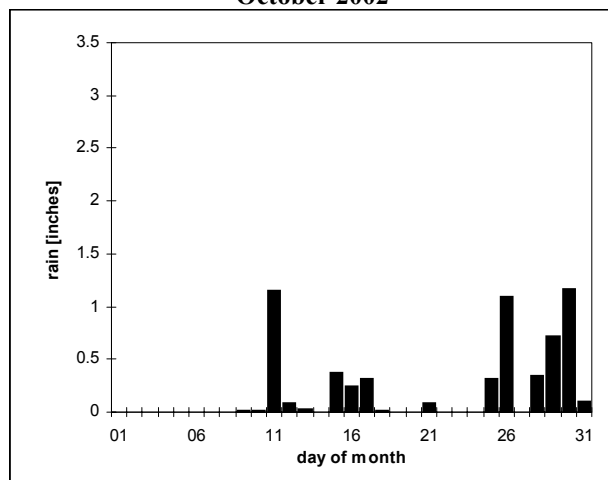
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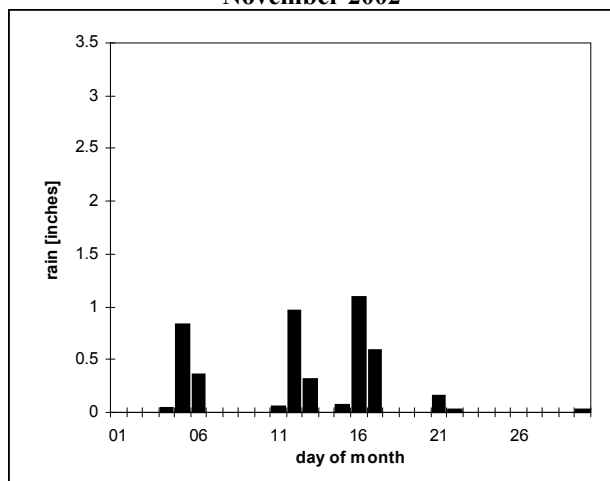
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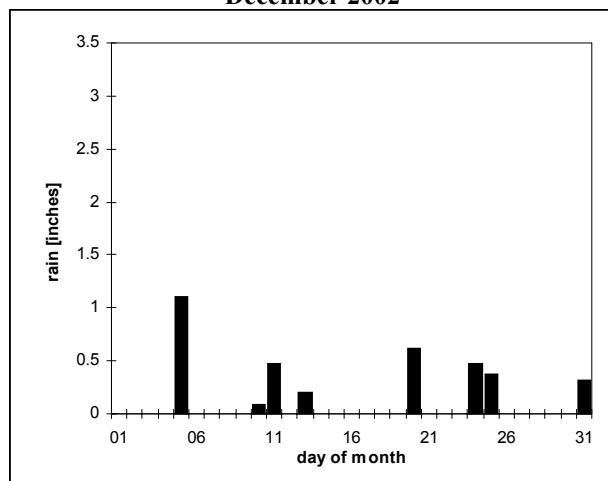
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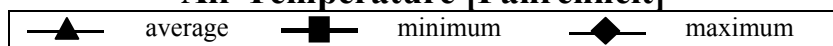


December 2002

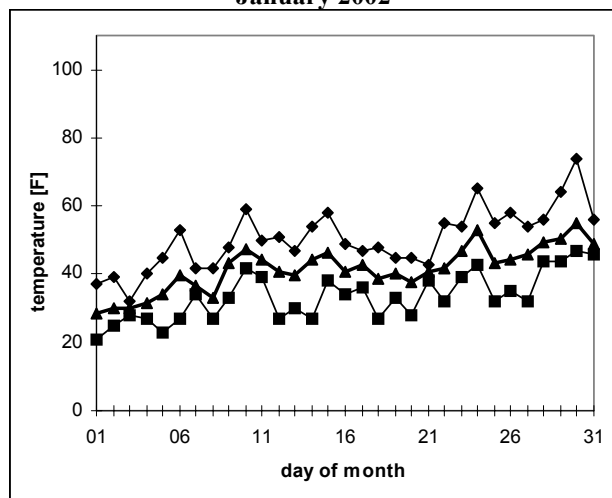


Assateague Island National Seashore — 2002

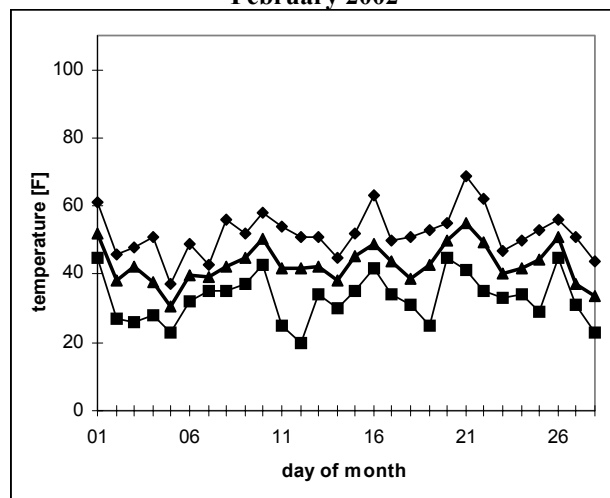
Air Temperature [Fahrenheit]



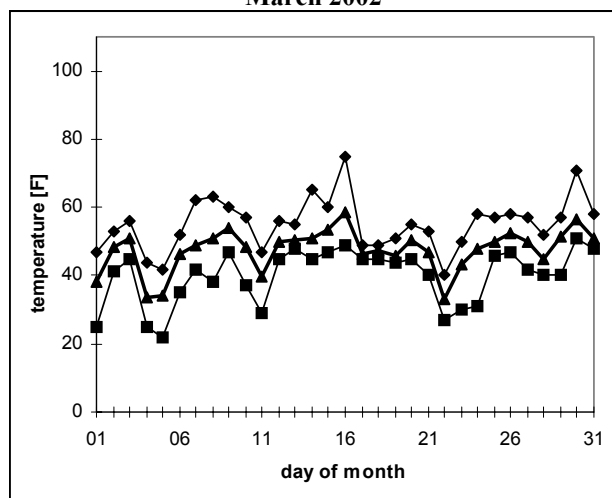
January 2002



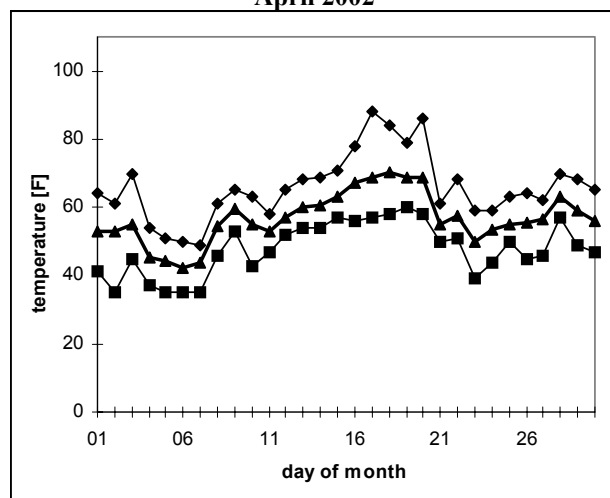
February 2002



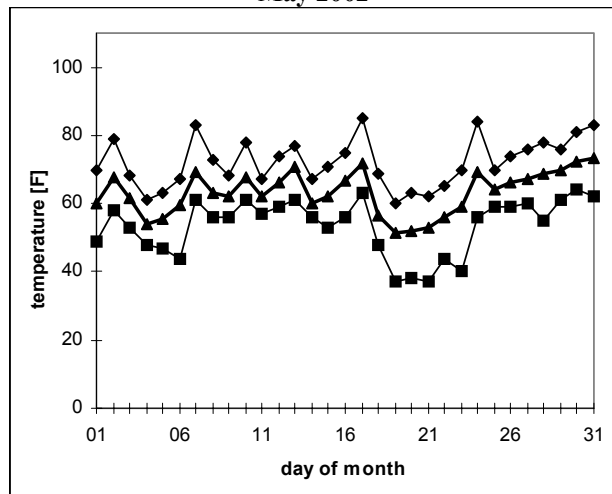
March 2002



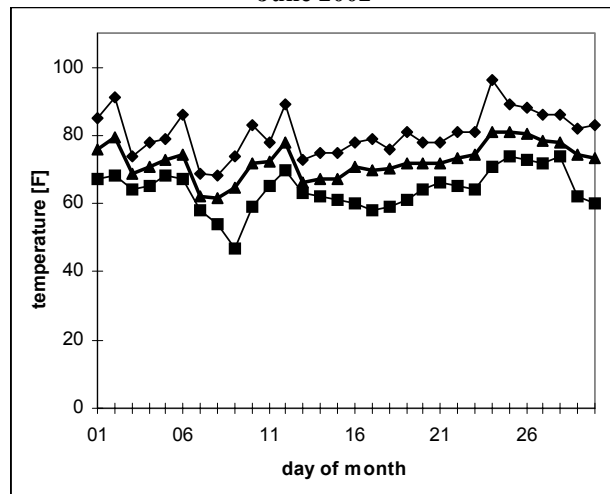
April 2002



May 2002

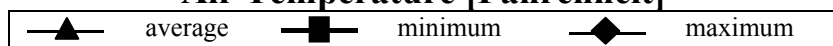


June 2002

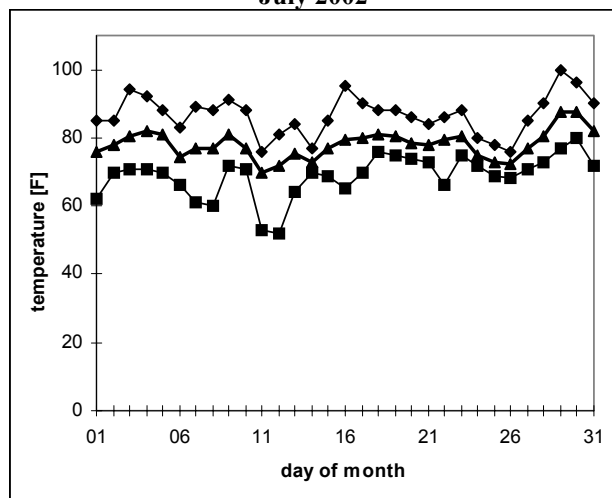


Assateague Island National Seashore — 2002

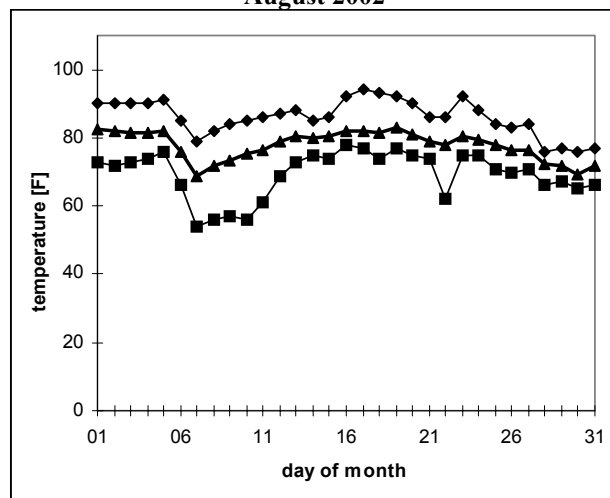
Air Temperature [Fahrenheit]



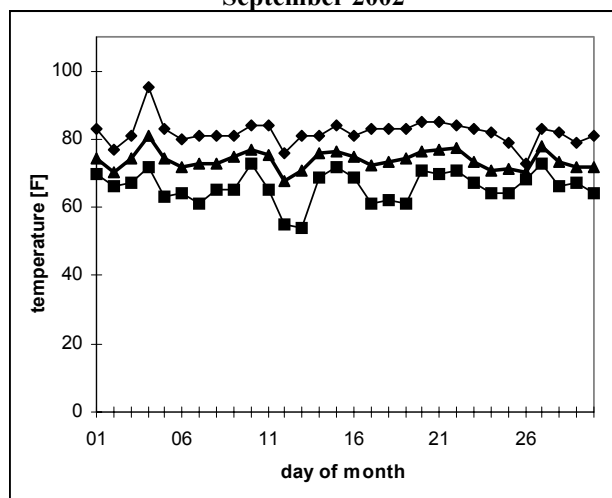
July 2002



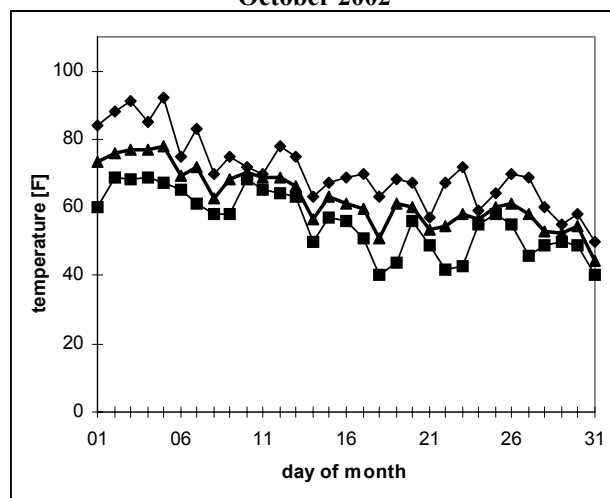
August 2002



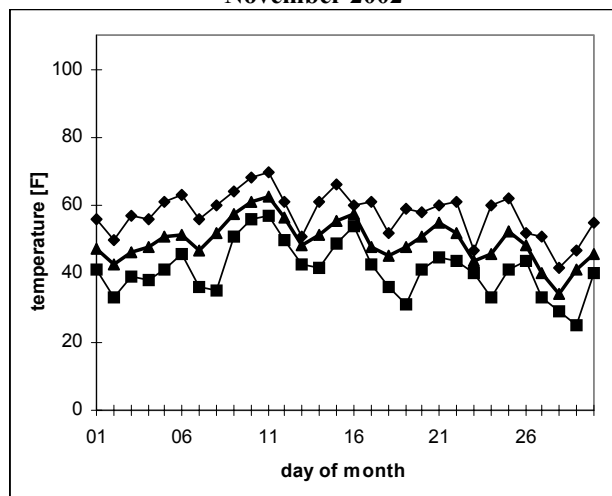
September 2002



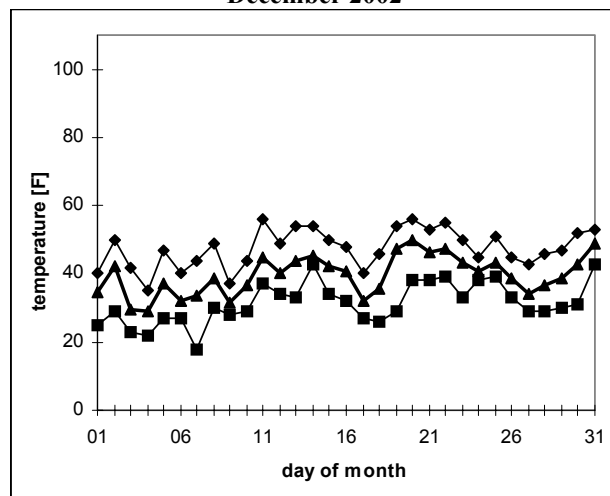
October 2002



November 2002

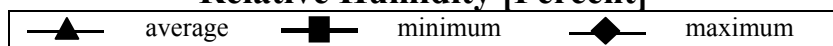


December 2002

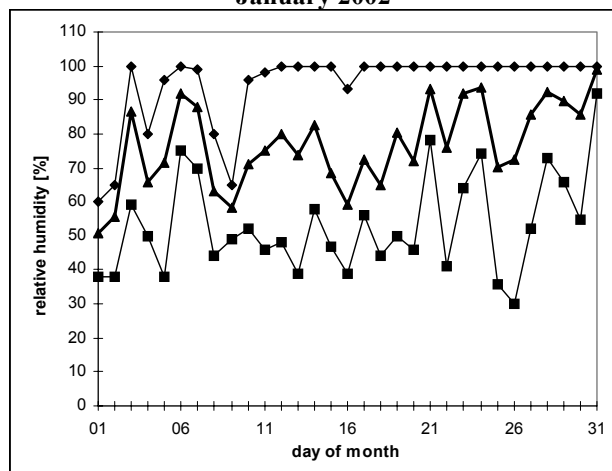


Assateague Island National Seashore — 2002

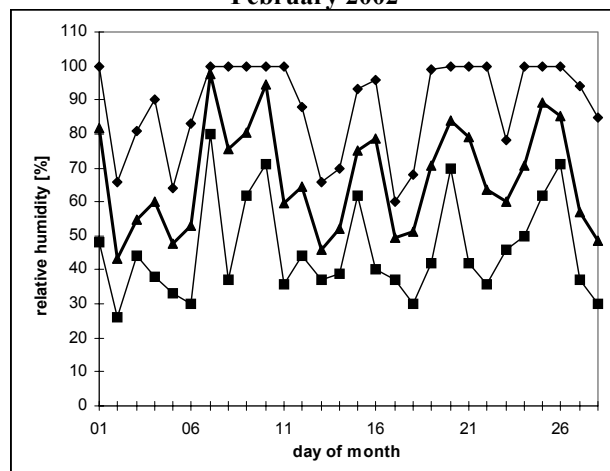
Relative Humidity [Percent]



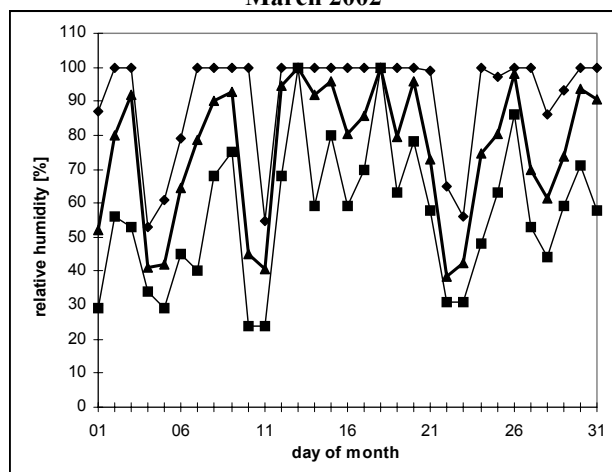
January 2002



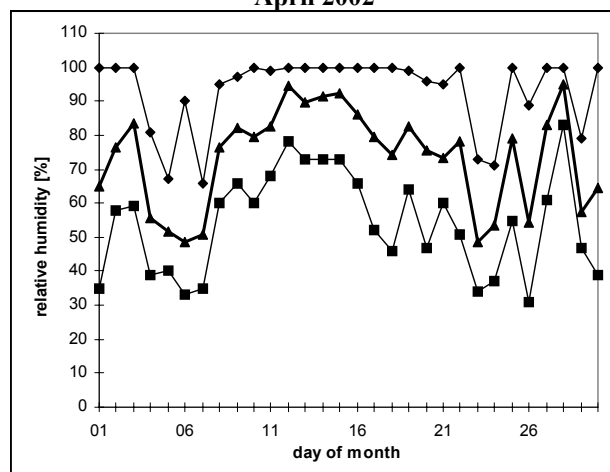
February 2002



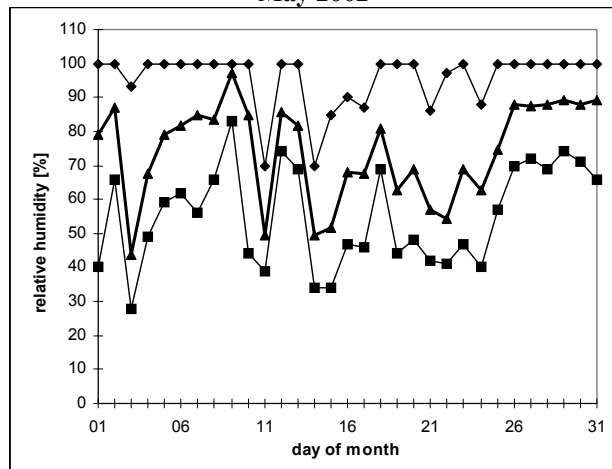
March 2002



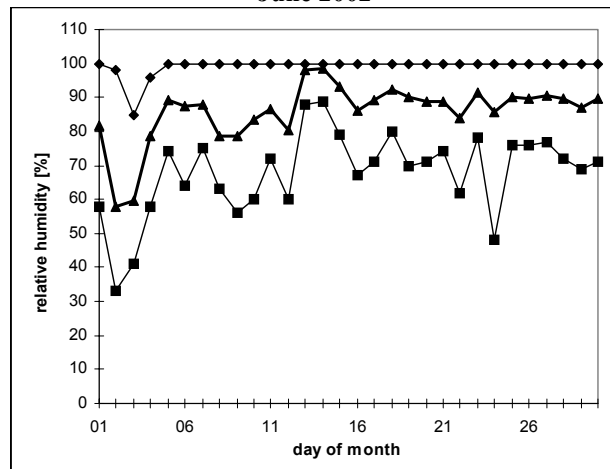
April 2002



May 2002

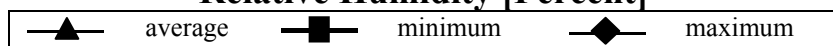


June 2002

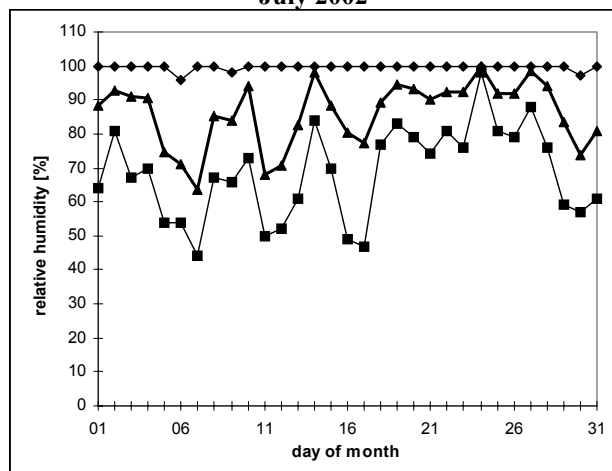


Assateague Island National Seashore — 2002

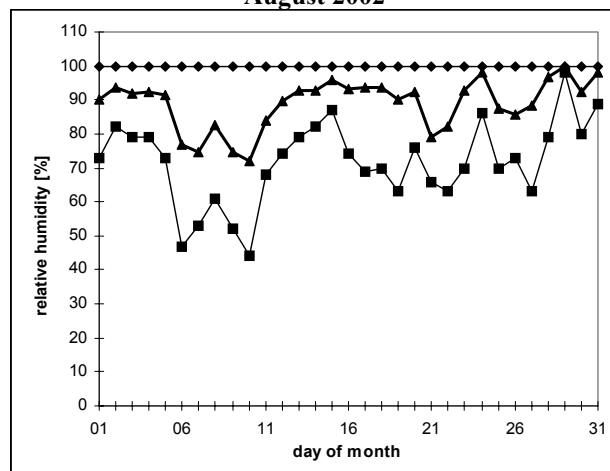
Relative Humidity [Percent]



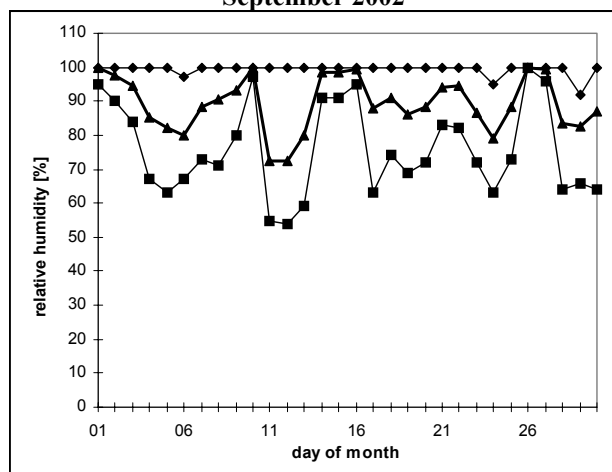
July 2002



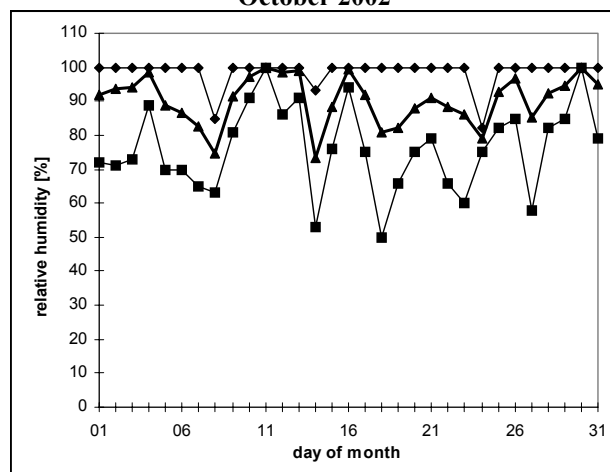
August 2002



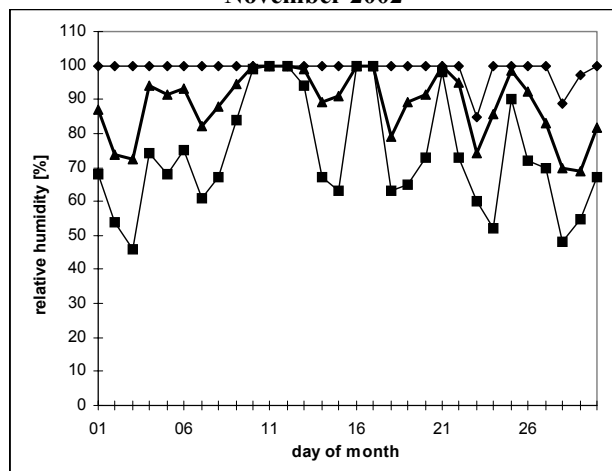
September 2002



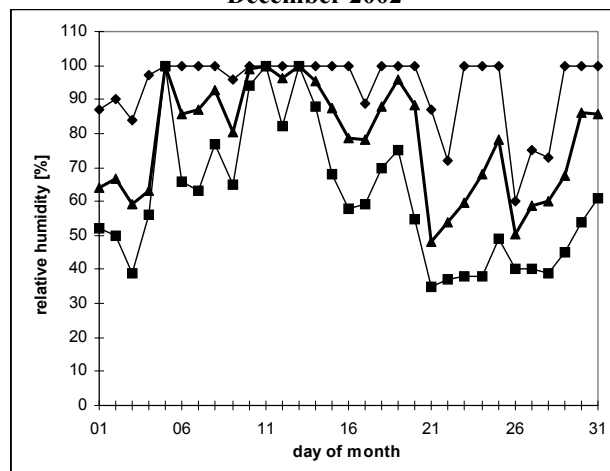
October 2002



November 2002

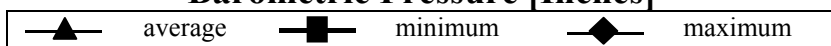


December 2002

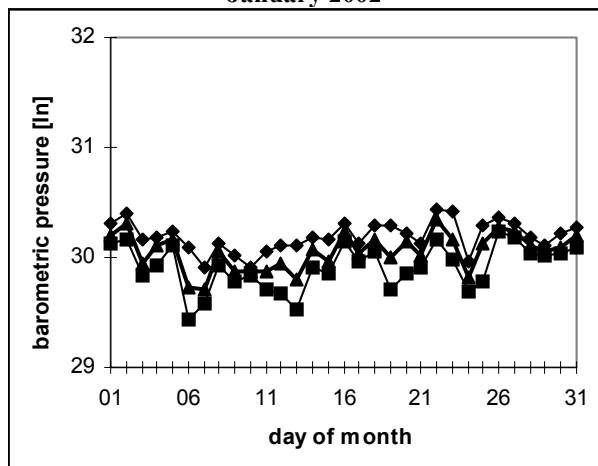


Assateague Island National Seashore — 2002

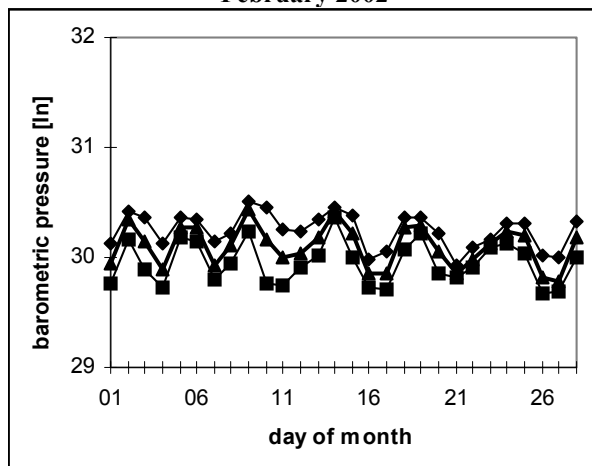
Barometric Pressure [Inches]



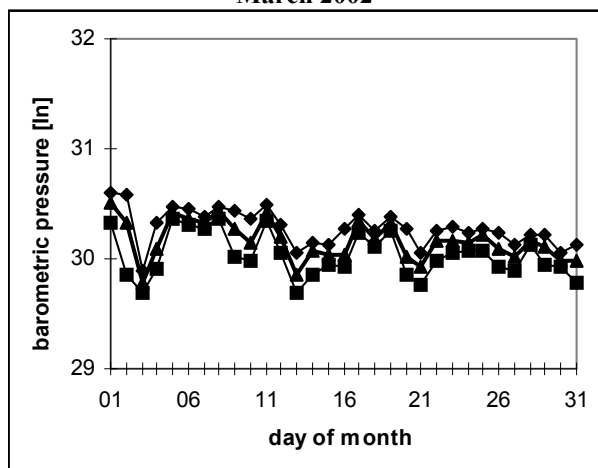
January 2002



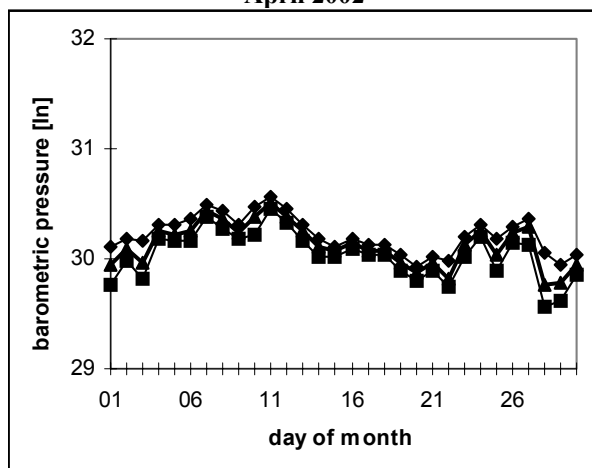
February 2002



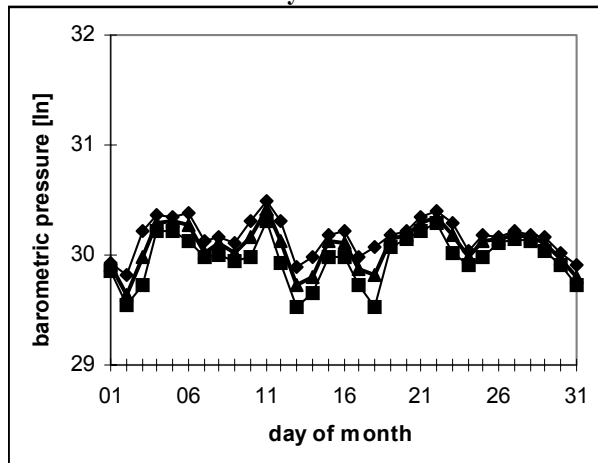
March 2002



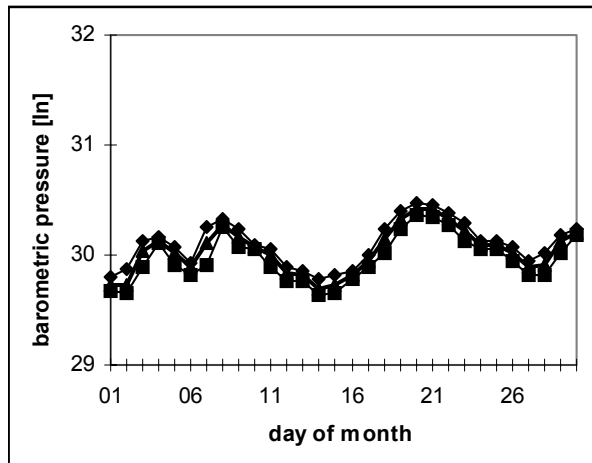
April 2002



May 2002

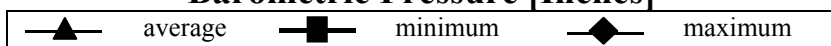


June 2002

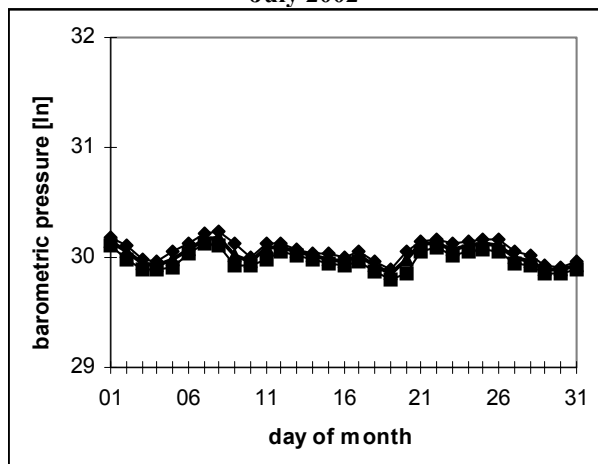


Assateague Island National Seashore — 2002

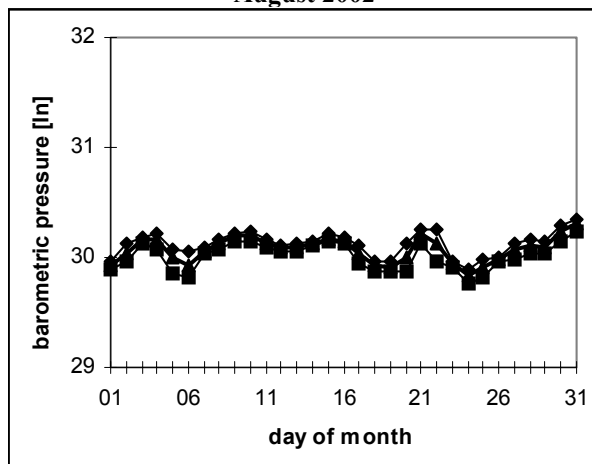
Barometric Pressure [Inches]



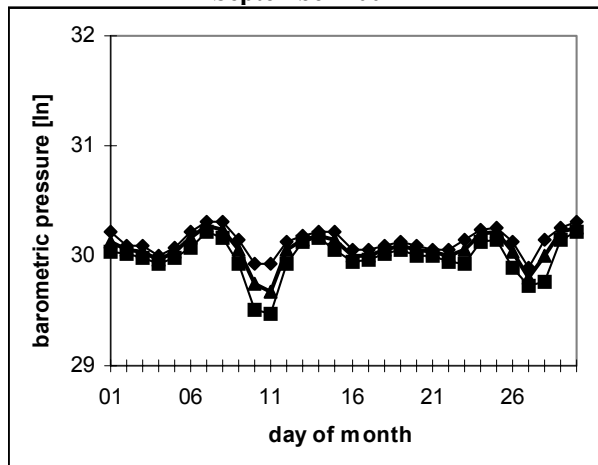
July 2002



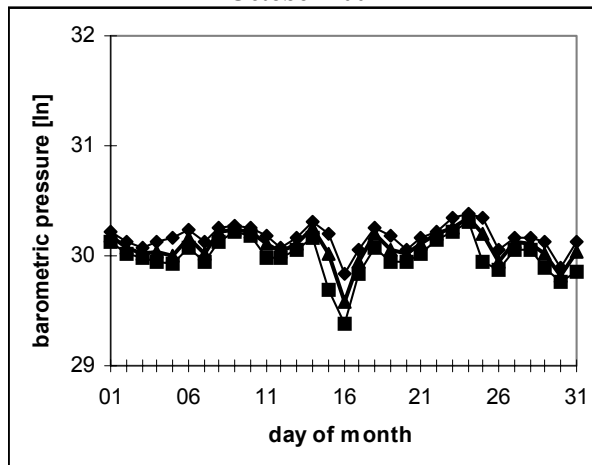
August 2002



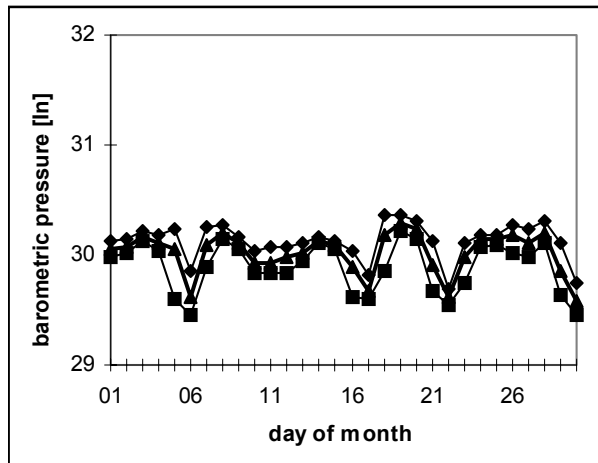
September 2002



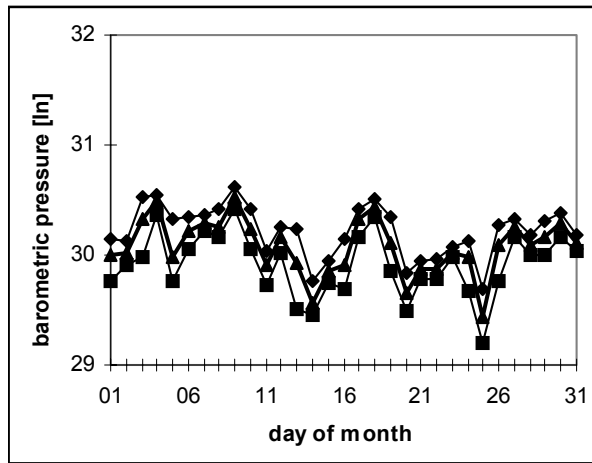
October 2002



November 2002



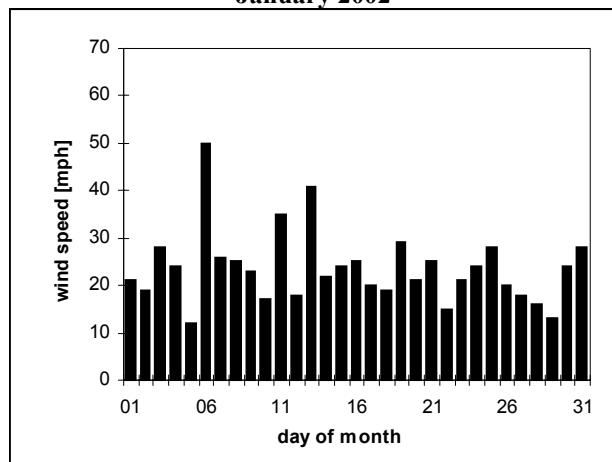
December 2002



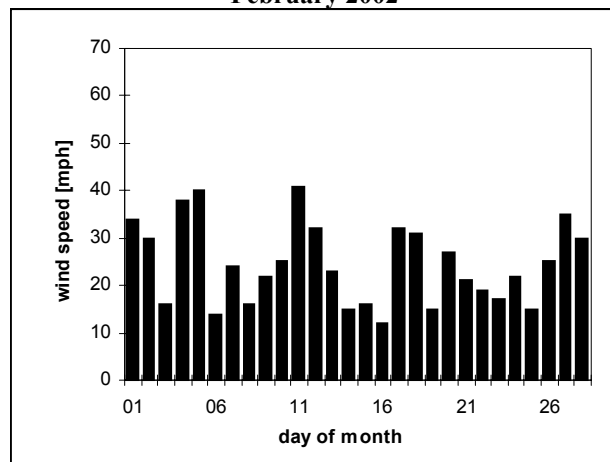
Assateague Island National Seashore — 2002

Maximum Wind Gust [MPH]

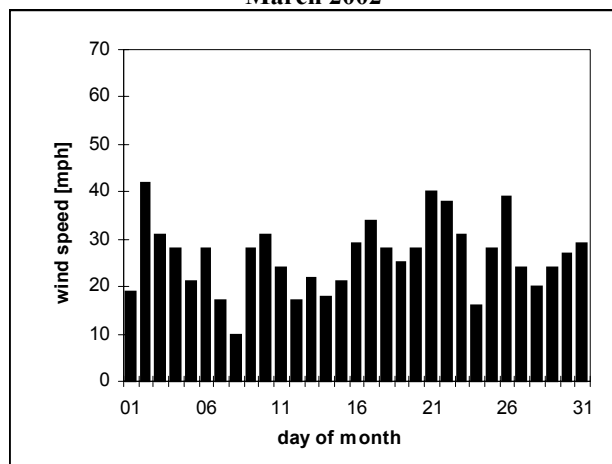
January 2002



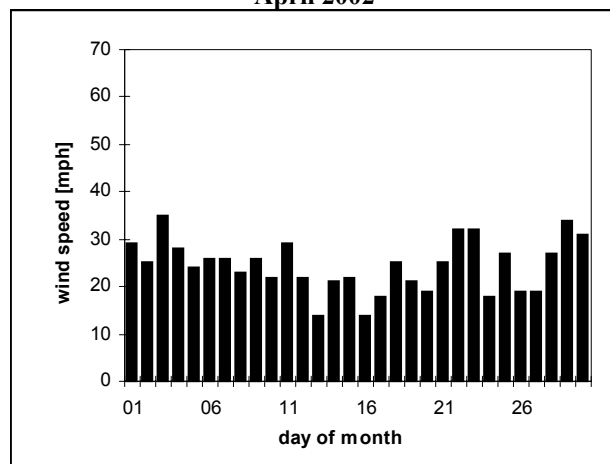
February 2002



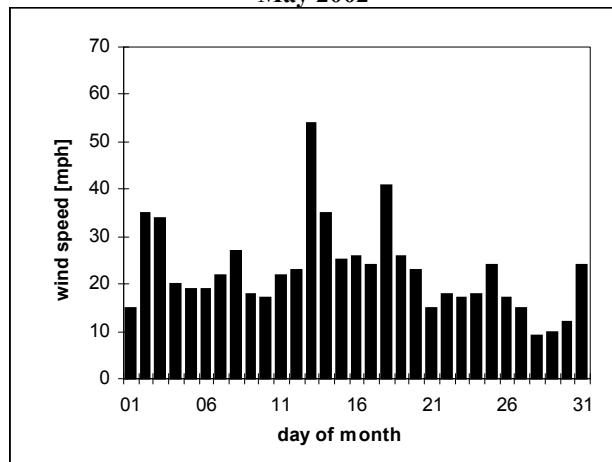
March 2002



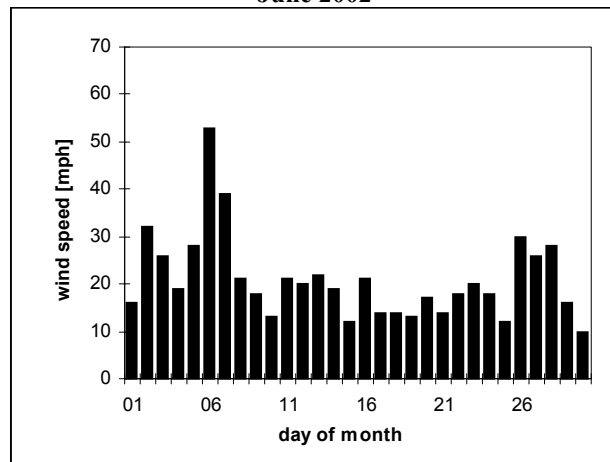
April 2002



May 2002



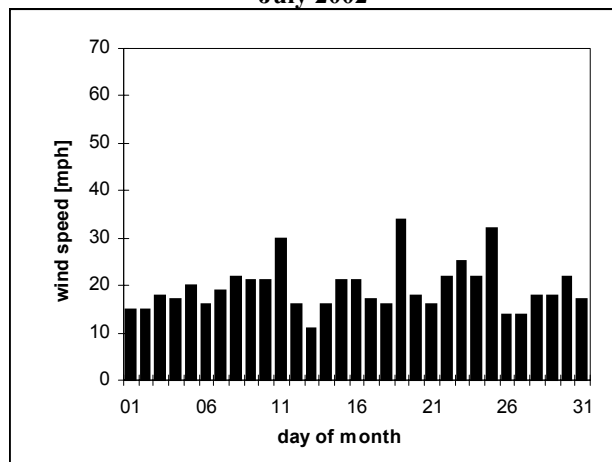
June 2002



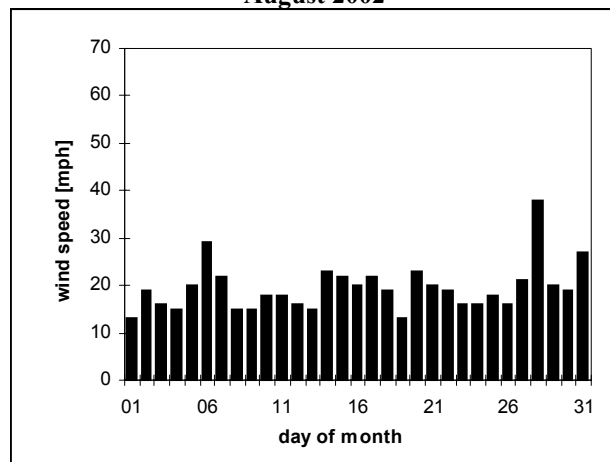
Assateague Island National Seashore — 2002

Maximum Wind Gust [MPH]

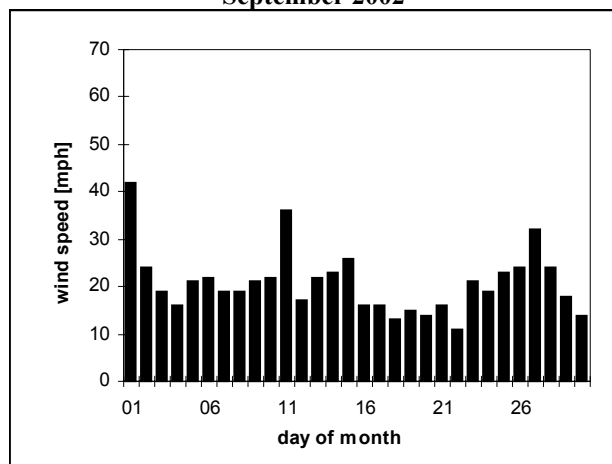
July 2002



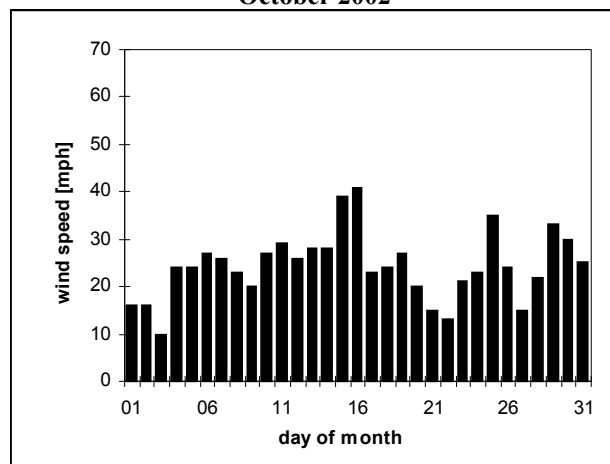
August 2002



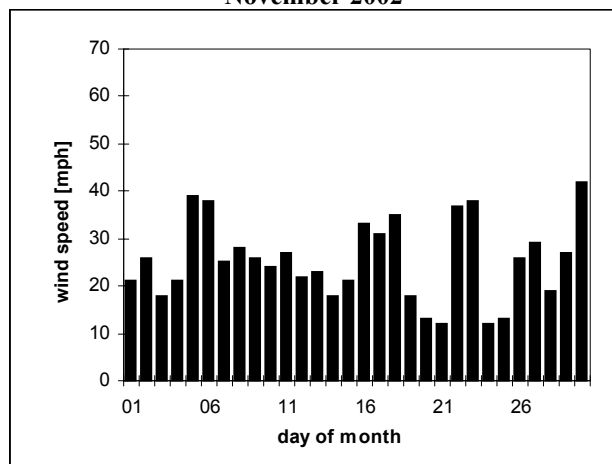
September 2002



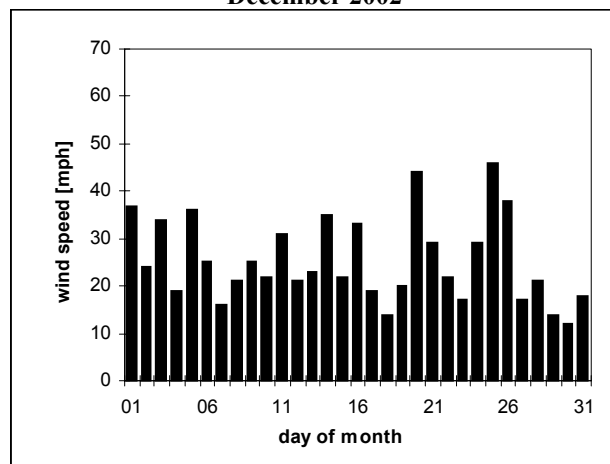
October 2002



November 2002



December 2002



Appendix B

Daily Summaries of RAWs Data by Month

January 2002

	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
01/01/2002	0.00	0.00	29	21	37	7.8	21	51	38	60	30.20	30.12	30.31	11.7	9	29.3	48
01/02/2002	0.00	0.00	30	25	39	4.9	19	56	38	65	30.30	30.16	30.40	12.4	10	30.5	47
01/03/2002	0.00	0.00	30	28	32	9.7	28	87	59	100	29.94	29.83	30.16	20.3	13	29.9	34
01/04/2002	0.00	0.00	31	27	40	8.1	24	66	50	80	30.11	29.93	30.19	18.2	13	31.2	52
01/05/2002	0.19	0.19	34	23	45	5.0	12	72	38	96	30.16	30.10	30.23	17.6	11	32.3	58
01/06/2002	0.85	1.04	40	27	53	8.9	50	92	75	100	29.74	29.44	30.09	25.3	21	38.3	53
01/07/2002	0.02	1.06	37	34	42	9.2	26	88	70	99	29.70	29.59	29.91	27.0	27	35.9	44
01/08/2002	0.00	1.06	33	27	42	7.3	25	63	44	80	30.05	29.93	30.13	20.7	13	32.9	51
01/09/2002	0.00	1.06	43	33	48	10.1	23	58	49	65	29.88	29.79	30.01	15.9	12	42.7	55
01/10/2002	0.00	1.06	47	42	59	5.3	17	71	52	96	29.87	29.83	29.91	16.0	11	45.8	64
01/11/2002	0.01	1.07	44	39	50	7.9	35	75	46	98	29.88	29.71	30.05	21.6	16	42.5	49
01/12/2002	0.23	1.30	41	27	51	5.6	18	80	48	100	29.95	29.67	30.10	18.5	11	40.3	63
01/13/2002	0.36	1.66	40	30	47	9.8	41	74	39	100	29.79	29.52	30.10	22.0	14	37.2	53
01/14/2002	0.02	1.68	44	27	54	5.5	22	83	58	100	30.08	29.91	30.18	21.8	12	43.1	64
01/15/2002	0.00	1.68	46	38	58	5.6	24	69	47	100	29.96	29.85	30.16	19.8	12	45.0	66
01/16/2002	0.00	1.68	41	34	49	6.1	25	59	39	93	30.23	30.14	30.30	13.3	10	41.1	60
01/17/2002	0.00	1.68	43	36	47	5.5	20	73	56	100	30.04	29.97	30.13	16.7	13	41.3	50
01/18/2002	0.01	1.69	39	27	48	4.8	19	65	44	100	30.16	30.06	30.29	16.0	11	36.7	56
01/19/2002	1.05	2.74	40	33	45	10.7	29	80	50	100	29.99	29.71	30.29	21.3	13	39.3	44
01/20/2002	0.01	2.75	38	28	45	6.9	21	72	46	100	30.14	29.85	30.22	23.6	17	37.7	55
01/21/2002	0.15	2.90	41	38	43	6.5	25	93	78	100	30.01	29.91	30.13	25.7	20	39.9	45
01/22/2002	0.00	2.90	42	32	55	5.5	15	76	41	100	30.35	30.16	30.43	22.8	13	39.8	64
01/23/2002	0.06	2.96	47	39	54	6.8	21	92	64	100	30.17	29.99	30.42	26.0	24	46.3	53
01/24/2002	0.05	3.01	53	43	65	8.0	24	94	74	100	29.81	29.69	29.97	26.2	26	52.6	63
01/25/2002	0.23	3.24	44	32	55	7.4	28	70	36	100	30.13	29.78	30.29	21.1	13	42.0	61
01/26/2002	0.00	3.24	44	35	58	7.0	20	73	30	100	30.28	30.24	30.36	19.3	11	43.6	68
01/27/2002	0.00	3.24	46	32	54	6.8	18	86	52	100	30.23	30.18	30.30	22.3	12	45.9	65
01/28/2002	0.00	3.24	50	44	56	5.9	16	93	73	100	30.11	30.03	30.19	23.9	15	49.4	62
01/29/2002	0.00	3.24	51	44	64	5.7	13	90	66	100	30.05	30.01	30.10	22.3	13	51.9	71
01/30/2002	0.00	3.24	55	47	74	7.7	24	86	55	100	30.09	30.03	30.22	20.3	11	56.6	82
01/31/2002	0.00	3.24	49	46	56	6.6	28	99	92	100	30.20	30.09	30.27	24.7	18	50.5	61

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
3.24 3.24	42 21 74	7.1 50	77 30 100	30.05 29.44 30.43	20.46 9	41.02 82

February 2002

	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
02/01/2002	0.08	3.32	52	45	61	10.8	34	82	48	100	29.95	29.76	30.13	22.7	14	53.0	69
02/02/2002	0.00	3.32	38	27	46	7.9	30	43	26	66	30.34	30.17	30.42	12.7	9	38.5	60
02/03/2002	0.00	3.32	42	26	48	4.8	16	55	44	81	30.15	29.89	30.36	13.1	11	41.5	58
02/04/2002	0.01	3.33	38	28	51	11.0	38	60	38	90	29.89	29.73	30.13	15.2	10	38.3	61
02/05/2002	0.00	3.33	31	23	37	10.4	40	48	33	64	30.27	30.18	30.36	11.7	9	32.0	49
02/06/2002	0.00	3.33	40	32	49	4.8	14	53	30	83	30.27	30.15	30.34	11.2	9	41.0	60
02/07/2002	0.88	4.21	39	35	43	6.8	24	98	80	100	29.92	29.80	30.14	25.9	15	38.5	45
02/08/2002	0.00	4.21	42	35	56	5.8	16	76	37	100	30.11	29.95	30.22	22.0	13	42.7	67
02/09/2002	0.00	4.21	45	37	52	8.2	22	80	62	100	30.43	30.24	30.51	20.4	11	45.2	66
02/10/2002	0.12	4.33	50	43	58	8.1	25	95	71	100	30.16	29.77	30.45	24.1	13	52.0	73
02/11/2002	0.00	4.33	42	25	54	11.2	41	59	36	100	30.01	29.75	30.25	19.8	13	40.2	54
02/12/2002	0.00	4.33	42	20	51	9.4	32	65	44	88	30.04	29.91	30.24	16.0	10	41.2	63
02/13/2002	0.00	4.33	42	34	51	7.4	23	46	37	66	30.19	30.01	30.35	12.8	10	43.4	63
02/14/2002	0.00	4.33	38	30	45	6.3	15	52	39	70	30.42	30.36	30.46	11.1	8	40.1	64
02/15/2002	0.00	4.33	45	35	52	6.1	16	75	62	93	30.21	30.00	30.38	14.8	10	46.4	65
02/16/2002	0.00	4.33	49	42	63	4.6	12	79	40	96	29.86	29.73	29.98	17.7	10	49.6	76
02/17/2002	0.00	4.33	44	34	50	10.4	32	50	37	60	29.86	29.71	30.06	11.2	8	44.9	62
02/18/2002	0.00	4.33	39	31	51	8.5	31	51	30	68	30.26	30.08	30.36	9.9	8	40.0	65
02/19/2002	0.00	4.33	43	25	53	5.6	15	71	42	99	30.30	30.22	30.37	12.7	8	43.2	70
02/20/2002	0.00	4.33	50	45	55	11.0	27	84	70	100	30.06	29.86	30.21	17.2	11	52.2	67
02/21/2002	0.00	4.33	55	41	69	6.7	21	79	42	100	29.86	29.82	29.92	16.7	9	55.3	82
02/22/2002	0.00	4.33	49	35	62	5.0	19	63	36	100	29.99	29.91	30.09	13.8	8	50.4	80
02/23/2002	0.00	4.33	40	33	47	6.5	17	60	46	78	30.13	30.09	30.17	10.9	9	40.1	55
02/24/2002	0.00	4.33	42	34	50	7.7	22	71	50	100	30.24	30.13	30.30	12.1	8	42.0	67
02/25/2002	0.00	4.33	44	29	53	5.4	15	89	62	100	30.20	30.04	30.30	15.7	9	44.3	73
02/26/2002	0.00	4.33	51	45	56	11.8	25	85	71	100	29.82	29.67	30.01	19.4	11	53.4	70
02/27/2002	0.03	4.36	37	31	51	13.0	35	57	37	94	29.78	29.69	30.00	18.0	12	36.8	51
02/28/2002	0.00	4.36	33	23	44	9.3	30	49	30	85	30.17	30.00	30.32	9.9	8	33.5	61

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
1.12	4.36	43	20	69	8.0	41	67	26	100	30.10	29.67	30.51	15.66	8	43.56	82

March 2002

	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
03/01/2002	0.00	4.36	38	25	47	7.1	19	52	29	87	30.50	30.32	30.60	9.7	7	39.2	68
03/02/2002	0.57	4.93	48	41	53	16.4	42	80	56	100	30.32	29.85	30.58	16.8	11	48.9	56
03/03/2002	0.39	5.32	51	45	56	8.8	31	92	53	100	29.78	29.69	29.90	26.2	26	50.8	56
03/04/2002	0.00	5.32	34	25	44	9.5	28	41	34	53	30.10	29.91	30.33	16.7	12	34.6	50
03/05/2002	0.00	5.32	34	22	42	7.9	21	42	29	61	30.42	30.36	30.48	11.6	9	36.8	56
03/06/2002	0.00	5.32	46	35	52	10.5	28	65	45	79	30.37	30.31	30.45	14.0	10	48.2	67
03/07/2002	0.00	5.32	49	42	62	6.3	17	79	40	100	30.33	30.28	30.38	16.4	10	49.4	73
03/08/2002	0.00	5.32	51	38	63	4.1	10	90	68	100	30.43	30.37	30.47	19.1	10	52.1	78
03/09/2002	0.00	5.32	54	47	60	9.2	28	93	75	100	30.28	30.02	30.44	20.3	11	57.2	76
03/10/2002	0.08	5.40	49	37	57	11.0	31	45	24	100	30.15	29.98	30.37	16.5	10	50.3	68
03/11/2002	0.00	5.40	40	29	47	8.5	24	41	24	55	30.42	30.34	30.50	9.8	8	44.1	67
03/12/2002	0.49	5.89	50	45	56	6.0	17	94	68	100	30.19	30.06	30.30	23.3	11	50.4	57
03/13/2002	1.05	6.94	50	48	55	9.7	22	100	100	100	29.85	29.70	30.05	26.0	26	50.8	55
03/14/2002	0.00	6.94	51	45	65	6.8	18	92	59	100	30.07	29.85	30.14	23.3	15	55.3	81
03/15/2002	0.00	6.94	53	47	60	9.7	21	96	80	100	30.04	29.95	30.13	22.6	14	56.6	74
03/16/2002	0.00	6.94	59	49	75	9.6	29	80	59	100	30.03	29.92	30.28	18.5	11	62.2	91
03/17/2002	0.22	7.16	46	45	49	18.8	34	86	70	100	30.34	30.23	30.40	21.6	15	46.9	53
03/18/2002	0.96	8.12	47	45	49	12.8	28	100	100	100	30.17	30.10	30.26	26.3	26	47.4	52
03/19/2002	0.02	8.14	46	44	51	10.8	25	80	63	100	30.34	30.26	30.38	23.3	16	47.1	62
03/20/2002	0.70	8.84	50	45	55	12.8	28	96	78	100	30.02	29.85	30.28	26.2	26	49.6	55
03/21/2002	0.00	8.84	47	40	53	8.0	40	73	58	99	29.93	29.77	30.06	21.9	13	48.3	69
03/22/2002	0.00	8.84	33	27	40	11.9	38	38	31	65	30.16	29.98	30.26	12.1	10	36.3	54
03/23/2002	0.00	8.84	43	30	50	10.2	31	42	31	56	30.17	30.06	30.29	10.8	9	45.6	66
03/24/2002	0.00	8.84	48	31	58	6.0	16	75	48	100	30.14	30.07	30.23	13.5	9	50.4	77
03/25/2002	0.00	8.84	50	46	57	12.9	28	80	63	97	30.21	30.07	30.27	16.8	10	53.5	69
03/26/2002	0.57	9.41	53	47	58	9.4	39	98	86	100	30.08	29.92	30.24	22.2	13	55.3	68
03/27/2002	0.69	10.10	50	42	57	8.0	24	70	53	100	30.02	29.90	30.13	19.8	13	52.6	72
03/28/2002	0.00	10.10	45	40	52	7.7	20	61	44	86	30.17	30.13	30.22	13.8	10	49.5	74
03/29/2002	0.00	10.10	52	40	57	10.0	24	74	59	93	30.11	29.95	30.22	15.4	10	56.6	77
03/30/2002	0.28	10.38	56	51	71	8.6	27	94	71	100	29.98	29.92	30.05	23.3	15	58.5	81
03/31/2002	1.35	11.73	51	48	58	8.6	29	91	58	100	29.99	29.78	30.12	26.0	25	51.1	56

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
7.37 11.73	48	22	75	9.6	42	75	24	100	30.16	29.69	30.6	18.83	7	49.53	91

April 2002

	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
04/01/2002	0.05	11.78	53	41	64	7.7	29	65	35	100	29.94	29.77	30.11	18.5	11	52.9	76
04/02/2002	0.00	11.78	53	35	61	9.6	25	77	58	100	30.09	29.99	30.19	17.2	10	56.3	81
04/03/2002	0.34	12.12	55	45	70	12.7	35	84	59	100	29.97	29.82	30.17	22.2	11	58.1	80
04/04/2002	0.00	12.12	45	37	54	7.5	28	56	39	81	30.25	30.18	30.30	14.3	10	48.9	74
04/05/2002	0.00	12.12	44	35	51	7.5	24	52	40	67	30.22	30.16	30.30	11.7	8	47.6	77
04/06/2002	0.00	12.12	42	35	50	8.1	26	49	33	90	30.26	30.16	30.37	11.4	8	45.0	68
04/07/2002	0.00	12.12	44	35	49	9.5	26	51	35	66	30.43	30.38	30.49	9.6	7	49.0	71
04/08/2002	0.00	12.12	54	46	61	11.2	23	77	60	95	30.36	30.28	30.44	13.0	8	59.5	80
04/09/2002	0.00	12.12	60	53	65	11.3	26	82	66	97	30.24	30.19	30.30	16.3	9	64.7	86
04/10/2002	0.07	12.19	55	43	63	9.1	22	79	60	100	30.37	30.21	30.47	21.0	13	55.9	74
04/11/2002	0.00	12.19	53	47	58	14.5	29	83	68	99	30.50	30.45	30.56	18.5	10	57.8	77
04/12/2002	0.29	12.48	57	52	65	6.8	22	94	78	100	30.39	30.33	30.45	23.6	14	60.7	82
04/13/2002	0.00	12.48	60	54	68	6.5	14	90	73	100	30.25	30.17	30.31	19.7	11	64.5	81
04/14/2002	0.00	12.48	61	54	69	9.3	21	91	73	100	30.11	30.02	30.18	19.3	10	66.7	90
04/15/2002	0.50	12.98	63	57	71	8.0	22	92	73	100	30.07	30.01	30.11	21.9	13	67.0	87
04/16/2002	0.00	12.98	67	56	78	5.0	14	86	66	100	30.14	30.09	30.18	18.1	9	72.4	100
04/17/2002	0.00	12.98	69	57	88	6.1	18	79	52	100	30.08	30.03	30.13	15.7	7	73.9	101
04/18/2002	0.00	12.98	70	58	84	5.0	25	74	46	100	30.07	30.03	30.12	15.1	9	72.3	93
04/19/2002	0.04	13.02	69	60	79	6.8	21	83	64	99	29.97	29.89	30.04	19.2	11	71.9	87
04/20/2002	0.00	13.02	69	58	86	6.8	19	76	47	96	29.87	29.80	29.92	16.3	8	72.4	107
04/21/2002	0.20	13.22	55	50	61	11.7	25	73	60	95	29.97	29.90	30.01	20.9	12	55.3	65
04/22/2002	0.60	13.82	57	51	68	9.2	32	78	51	100	29.82	29.74	29.99	21.8	14	58.2	74
04/23/2002	0.00	13.82	50	39	59	7.5	32	49	34	73	30.14	30.01	30.20	11.7	9	52.1	77
04/24/2002	0.00	13.82	53	44	59	9.7	18	53	37	71	30.26	30.20	30.30	11.9	8	58.9	82
04/25/2002	0.55	14.37	55	50	63	11.2	27	79	55	100	30.04	29.90	30.18	23.3	13	52.9	64
04/26/2002	0.00	14.37	56	45	64	7.2	19	54	31	89	30.24	30.14	30.29	15.8	10	57.8	79
04/27/2002	0.33	14.70	56	46	62	8.4	19	83	61	100	30.29	30.12	30.37	18.9	10	60.5	84
04/28/2002	1.52	16.22	63	57	70	11.0	27	95	83	100	29.76	29.56	30.06	25.8	25	63.5	74
04/29/2002	0.00	16.22	59	49	68	11.9	34	58	47	79	29.78	29.61	29.95	15.3	10	62.3	81
04/30/2002	0.00	16.22	56	47	65	9.7	31	65	39	100	29.94	29.85	30.04	14.8	9	61.0	87

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
4.49 16.22	57	35	88	8.9	35	74	31	100	30.13	29.56	30.56	17.42	7	60	107

May 2002

	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
05/01/2002	0.00	16.22	60	49	70	6.9	15	79	40	100	29.90	29.86	29.93	17.0	8	65.7	91
05/02/2002	0.02	16.24	68	58	79	13.3	35	87	66	100	29.65	29.54	29.82	20.9	11	70.2	95
05/03/2002	0.00	16.24	62	53	68	8.4	34	44	28	93	29.99	29.72	30.22	11.2	7	64.0	81
05/04/2002	0.47	16.71	54	48	61	8.5	20	68	49	100	30.29	30.22	30.36	14.4	7	58.6	83
05/05/2002	0.11	16.82	56	47	63	7.8	19	79	59	100	30.30	30.22	30.35	21.2	12	58.2	81
05/06/2002	0.00	16.82	60	44	67	6.7	19	82	62	100	30.28	30.13	30.38	18.8	10	63.5	88
05/07/2002	0.01	16.83	69	61	83	7.9	22	85	56	100	30.03	29.98	30.12	18.9	9	74.8	99
05/08/2002	0.01	16.84	63	56	73	11.5	27	84	66	100	30.11	30.00	30.16	17.6	10	68.6	89
05/09/2002	0.04	16.88	62	56	68	6.5	18	97	83	100	30.03	29.95	30.10	22.6	13	65.4	79
05/10/2002	0.00	16.88	68	61	78	5.3	17	85	44	100	30.16	29.99	30.31	19.3	10	72.8	93
05/11/2002	0.00	16.88	62	57	67	10.2	22	50	39	70	30.41	30.31	30.49	9.9	8	69.2	90
05/12/2002	0.00	16.88	66	59	74	8.0	23	86	74	100	30.12	29.92	30.30	14.7	8	72.1	95
05/13/2002	0.35	17.23	71	61	77	13.3	54	82	69	100	29.72	29.53	29.90	17.1	8	75.7	99
05/14/2002	0.00	17.23	60	56	67	16.5	35	49	34	70	29.80	29.66	29.98	12.8	6	61.2	76
05/15/2002	0.00	17.23	62	53	71	10.7	25	52	34	85	30.12	29.99	30.19	7.7	6	65.4	85
05/16/2002	0.00	17.23	67	56	75	10.6	26	68	47	90	30.11	29.99	30.22	11.4	8	70.5	89
05/17/2002	0.00	17.23	72	63	85	10.9	24	68	46	87	29.88	29.72	29.98	11.1	7	76.1	99
05/18/2002	0.60	17.83	57	48	69	10.8	41	81	69	100	29.82	29.53	30.07	20.6	16	55.4	73
05/19/2002	0.00	17.83	51	37	60	6.0	26	63	44	100	30.15	30.08	30.18	12.5	9	54.3	74
05/20/2002	0.00	17.83	52	38	63	5.6	23	69	48	100	30.18	30.15	30.22	12.1	9	53.0	78
05/21/2002	0.00	17.83	53	37	62	5.2	15	57	42	86	30.29	30.22	30.34	10.8	8	53.9	76
05/22/2002	0.00	17.83	56	44	65	7.2	18	54	41	97	30.35	30.29	30.40	9.3	7	59.6	83
05/23/2002	0.00	17.83	59	40	70	6.5	17	69	47	100	30.18	30.02	30.29	9.9	7	62.7	87
05/24/2002	0.00	17.83	69	56	84	7.1	18	63	40	88	29.97	29.91	30.03	10.5	7	73.8	96
05/25/2002	0.00	17.83	64	59	70	11.1	24	75	57	100	30.13	29.99	30.18	11.3	8	70.0	88
05/26/2002	0.00	17.83	66	59	74	7.5	17	88	70	100	30.14	30.10	30.17	15.0	9	71.8	91
05/27/2002	0.00	17.83	67	60	76	6.8	15	87	72	100	30.17	30.15	30.21	15.9	9	72.9	94
05/28/2002	0.00	17.83	69	55	78	4.6	9	88	69	100	30.16	30.13	30.19	16.3	9	73.1	97
05/29/2002	0.00	17.83	70	61	76	5.7	10	89	74	100	30.11	30.03	30.16	16.2	9	75.4	97
05/30/2002	0.00	17.83	72	64	81	4.0	12	88	71	100	29.97	29.91	30.02	15.8	9	76.8	103
05/31/2002	0.00	17.83	73	62	83	9.3	24	89	66	100	29.81	29.73	29.91	15.2	8	78.3	102

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
1.61	17.83	63	37	85	8.4	54	74	28	100	30.08	29.53	30.49	14.77	6	67.19	103

June 2002

	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
06/01/2002	0.04	17.87	76	67	85	6.4	16	82	58	100	29.73	29.68	29.80	16.2	8	81.3	105
06/02/2002	0.00	17.87	80	68	91	9.3	32	58	33	98	29.72	29.65	29.87	13.7	8	81.0	105
06/03/2002	0.00	17.87	69	64	74	9.5	26	60	41	85	30.04	29.89	30.12	8.9	7	74.5	94
06/04/2002	0.00	17.87	71	65	78	9.4	19	79	58	96	30.13	30.10	30.17	12.0	8	75.9	96
06/05/2002	0.00	17.87	73	68	79	13.7	28	89	74	100	30.01	29.91	30.08	15.1	9	78.4	97
06/06/2002	1.45	19.32	75	67	86	10.3	53	87	64	100	29.89	29.81	29.93	17.7	8	80.3	101
06/07/2002	0.01	19.33	62	58	69	14.6	39	88	75	100	30.11	29.91	30.26	21.1	14	62.6	74
06/08/2002	0.00	19.33	62	54	68	9.2	21	78	63	100	30.28	30.25	30.32	14.8	10	66.6	88
06/09/2002	0.00	19.33	65	47	74	6.2	18	79	56	100	30.16	30.07	30.24	14.8	8	68.4	93
06/10/2002	0.00	19.33	72	59	83	5.6	13	84	60	100	30.07	30.05	30.09	14.3	8	76.4	99
06/11/2002	0.00	19.33	72	65	78	9.7	21	86	72	100	29.99	29.90	30.06	15.9	9	77.6	97
06/12/2002	0.00	19.33	78	70	89	8.5	20	80	60	100	29.83	29.77	29.90	13.8	8	82.9	108
06/13/2002	0.54	19.87	66	63	73	11.0	22	98	88	100	29.83	29.77	29.86	21.0	12	68.5	79
06/14/2002	2.09	21.96	67	62	75	6.0	19	99	89	100	29.70	29.64	29.78	24.7	16	69.0	83
06/15/2002	0.01	21.97	67	61	75	5.0	12	93	79	100	29.73	29.65	29.81	22.0	12	68.7	86
06/16/2002	0.00	21.97	71	60	78	7.2	21	86	67	100	29.82	29.79	29.85	17.3	10	74.3	96
06/17/2002	0.26	22.23	70	58	79	4.8	14	89	71	100	29.94	29.89	30.00	20.2	11	72.2	95
06/18/2002	0.00	22.23	70	59	76	4.5	14	92	80	100	30.15	30.01	30.23	18.8	11	72.7	90
06/19/2002	0.00	22.23	72	61	81	5.5	13	90	70	100	30.34	30.24	30.40	17.6	9	76.6	101
06/20/2002	0.00	22.23	72	64	78	8.5	17	89	71	100	30.42	30.37	30.47	17.4	9	76.9	98
06/21/2002	0.00	22.23	72	66	78	8.0	14	89	74	100	30.41	30.35	30.46	17.3	9	77.3	99
06/22/2002	0.00	22.23	73	65	81	6.5	18	84	62	100	30.33	30.28	30.39	16.1	9	78.4	104
06/23/2002	0.00	22.23	74	64	81	6.9	20	92	78	100	30.22	30.13	30.29	16.7	9	79.4	102
06/24/2002	0.00	22.23	81	71	96	6.8	18	86	48	100	30.09	30.05	30.13	16.0	7	86.2	117
06/25/2002	0.00	22.23	81	74	89	5.5	12	90	76	100	30.08	30.06	30.13	16.5	9	86.5	108
06/26/2002	0.00	22.23	81	73	88	11.0	30	90	76	100	30.02	29.94	30.07	15.5	8	86.7	104
06/27/2002	0.00	22.23	79	72	86	11.9	26	91	77	100	29.89	29.82	29.94	16.0	10	82.3	99
06/28/2002	0.14	22.37	78	74	86	7.2	28	90	72	100	29.92	29.81	30.01	20.9	11	79.0	99
06/29/2002	0.00	22.37	74	62	82	6.1	16	87	69	100	30.12	30.01	30.18	16.4	9	78.1	100
06/30/2002	0.00	22.37	73	60	83	4.0	10	90	71	100	30.20	30.18	30.24	16.7	9	76.4	99

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
4.54 22.37	72 47 96	8.0 53	86 33 100	30.04 29.64 30.47	16.84 7	76.5 117

July 2002

	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
07/01/2002	0.00	22.37	76	62	85	6.2	15	88	64	100	30.15	30.10	30.19	16.5	8	80.1	104
07/02/2002	0.00	22.37	78	70	85	6.8	15	93	81	100	30.05	29.99	30.11	16.3	9	83.6	106
07/03/2002	0.00	22.37	80	71	94	6.5	18	91	67	100	29.94	29.90	29.98	15.9	8	85.8	110
07/04/2002	0.00	22.37	82	71	92	5.4	17	90	70	100	29.93	29.90	29.97	16.0	8	87.0	112
07/05/2002	0.00	22.37	81	70	88	7.9	20	75	54	100	29.98	29.91	30.05	12.7	8	86.8	109
07/06/2002	0.00	22.37	74	66	83	6.1	16	71	54	96	30.08	30.04	30.13	10.3	7	79.4	104
07/07/2002	0.00	22.37	77	61	89	5.6	19	64	44	100	30.17	30.13	30.21	9.5	6	79.4	109
07/08/2002	0.00	22.37	77	60	88	7.3	22	85	67	100	30.17	30.11	30.23	12.4	7	81.3	107
07/09/2002	0.00	22.37	81	72	91	9.7	21	84	66	98	30.01	29.93	30.12	13.4	8	86.5	111
07/10/2002	1.44	23.81	77	71	88	5.4	21	94	73	100	29.97	29.92	30.00	21.9	11	78.4	95
07/11/2002	0.00	23.81	70	53	76	11.0	30	68	50	100	30.08	29.98	30.12	13.9	9	72.8	94
07/12/2002	0.00	23.81	72	52	81	6.1	16	71	52	100	30.09	30.06	30.13	11.8	7	75.4	102
07/13/2002	0.00	23.81	75	64	84	6.0	11	83	61	100	30.05	30.01	30.07	13.3	8	79.5	105
07/14/2002	0.10	23.91	73	70	77	7.5	16	98	84	100	30.01	29.99	30.04	24.8	22	72.3	78
07/15/2002	0.00	23.91	77	69	85	7.2	21	88	70	100	29.98	29.94	30.03	17.2	9	83.2	107
07/16/2002	0.00	23.91	79	65	95	6.2	21	80	49	100	29.96	29.93	30.00	13.5	7	84.0	113
07/17/2002	0.00	23.91	80	70	90	6.1	17	77	47	100	30.01	29.96	30.06	12.8	7	85.8	111
07/18/2002	0.00	23.91	81	76	88	5.9	16	89	77	100	29.93	29.88	29.97	14.5	9	85.5	106
07/19/2002	0.01	23.92	81	75	88	8.2	34	95	83	100	29.85	29.80	29.90	17.4	9	86.0	109
07/20/2002	0.00	23.92	79	74	86	6.8	18	93	79	100	29.98	29.85	30.06	17.2	9	83.8	106
07/21/2002	0.00	23.92	78	73	84	8.3	16	90	74	100	30.12	30.06	30.15	15.7	8	84.0	109
07/22/2002	0.00	23.92	79	66	86	8.1	22	92	81	100	30.12	30.09	30.17	16.5	8	84.9	108
07/23/2002	0.37	24.29	81	75	88	10.5	25	92	76	100	30.08	30.02	30.13	15.8	8	86.9	111
07/24/2002	0.43	24.72	75	72	80	6.5	22	100	98	100	30.12	30.05	30.15	24.8	20	75.3	85
07/25/2002	0.18	24.90	73	69	78	14.3	32	92	81	100	30.13	30.07	30.16	20.8	13	74.0	90
07/26/2002	0.15	25.05	72	68	76	6.6	14	92	79	100	30.11	30.05	30.16	21.8	13	72.8	83
07/27/2002	0.00	25.05	77	71	85	4.6	14	99	88	100	30.00	29.95	30.05	20.5	11	80.5	103
07/28/2002	0.00	25.05	80	73	90	6.0	18	94	76	100	29.96	29.92	30.02	18.0	9	86.5	110
07/29/2002	0.00	25.05	88	77	100	6.9	18	84	59	100	29.90	29.86	29.93	14.0	6	94.0	123
07/30/2002	0.00	25.05	88	80	96	7.9	22	74	57	97	29.89	29.85	29.91	11.5	7	92.8	115
07/31/2002	0.00	25.05	82	72	90	6.5	17	81	61	100	29.93	29.90	29.96	11.5	7	88.3	114

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
2.68	25.05	78	52	100	7.2	34	86	44	100	30.02	29.8	30.23	15.88	6	82.47	123

August 2002

	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
08/01/2002	0.00	25.05	83	73	90	5.2	13	90	73	100	29.93	29.90	29.96	15.4	7	89.7	116
08/02/2002	0.00	25.05	82	72	90	6.3	19	94	82	100	30.03	29.96	30.12	16.8	7	87.7	113
08/03/2002	0.00	25.05	81	73	90	6.0	16	92	79	100	30.16	30.12	30.18	16.4	8	87.4	114
08/04/2002	0.00	25.05	81	74	90	6.2	15	92	79	100	30.16	30.08	30.21	16.2	8	87.3	113
08/05/2002	0.00	25.05	82	76	91	9.2	20	91	73	100	29.99	29.86	30.07	15.4	8	88.6	111
08/06/2002	0.07	25.12	76	66	85	8.9	29	77	47	100	29.93	29.82	30.05	15.5	8	79.9	106
08/07/2002	0.00	25.12	69	54	79	8.0	22	75	53	100	30.06	30.03	30.09	9.8	7	74.2	103
08/08/2002	0.00	25.12	72	56	82	5.8	15	83	61	100	30.12	30.07	30.16	11.3	6	75.3	106
08/09/2002	0.00	25.12	73	57	84	6.0	15	75	52	100	30.19	30.15	30.22	10.8	6	77.9	109
08/10/2002	0.00	25.12	75	56	85	7.5	18	72	44	100	30.19	30.15	30.24	9.8	6	80.8	111
08/11/2002	0.00	25.12	77	61	86	7.5	18	84	68	100	30.13	30.09	30.17	11.3	7	81.8	110
08/12/2002	0.00	25.12	79	69	87	7.7	16	90	74	100	30.09	30.06	30.10	14.6	7	85.4	110
08/13/2002	0.00	25.12	80	73	88	7.2	15	93	79	100	30.10	30.06	30.13	16.7	8	86.4	111
08/14/2002	0.00	25.12	80	75	85	10.8	23	93	82	100	30.13	30.10	30.15	15.8	8	85.6	108
08/15/2002	0.00	25.12	80	74	86	11.2	22	96	87	100	30.17	30.14	30.21	16.7	8	86.1	108
08/16/2002	0.00	25.12	82	78	92	8.7	20	93	74	100	30.15	30.12	30.18	15.5	8	86.4	110
08/17/2002	0.00	25.12	82	77	94	6.8	22	94	69	100	30.04	29.94	30.10	16.9	8	86.0	112
08/18/2002	0.00	25.12	82	74	93	7.2	19	94	70	100	29.92	29.88	29.96	16.3	8	87.8	116
08/19/2002	0.00	25.12	83	77	92	5.5	13	90	63	100	29.91	29.87	29.96	16.0	7	89.5	114
08/20/2002	0.00	25.12	81	75	90	9.8	23	92	76	100	29.99	29.88	30.12	16.0	8	86.5	109
08/21/2002	0.00	25.12	79	74	86	11.4	20	79	66	100	30.22	30.13	30.26	12.3	7	84.8	109
08/22/2002	0.00	25.12	78	62	86	7.7	19	82	63	100	30.13	29.97	30.25	11.4	7	83.4	110
08/23/2002	0.10	25.22	81	75	92	7.4	16	93	70	100	29.94	29.91	29.97	15.2	7	85.7	110
08/24/2002	0.07	25.29	79	75	88	7.4	16	98	86	100	29.83	29.77	29.90	22.8	10	81.8	106
08/25/2002	0.00	25.29	78	71	84	7.2	18	87	70	100	29.91	29.81	29.98	16.4	9	82.0	105
08/26/2002	0.00	25.29	77	70	83	7.3	16	86	73	100	29.99	29.96	30.00	14.7	9	78.8	99
08/27/2002	0.01	25.30	77	71	84	8.0	21	88	63	100	30.08	29.99	30.13	18.5	9	78.8	97
08/28/2002	0.81	26.11	72	66	76	19.1	38	97	79	100	30.12	30.04	30.16	24.7	17	70.4	74
08/29/2002	0.18	26.29	72	67	77	5.2	20	100	98	100	30.10	30.03	30.15	24.4	20	72.6	82
08/30/2002	0.03	26.32	69	65	76	6.2	19	92	80	100	30.23	30.15	30.29	19.5	12	71.8	87
08/31/2002	1.41	27.73	72	66	77	11.3	27	98	89	100	30.31	30.23	30.35	21.5	14	73.5	83

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
2.68	27.73	78	54	94	8.0	38	89	44	100	30.07	29.77	30.35	15.96	6	82.37	116

September 2002

	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
09/01/2002	0.55	28.28	74	70	83	9.9	42	100	95	100	30.12	30.04	30.22	23.6	17	76.2	96
09/02/2002	0.00	28.28	70	66	77	7.7	24	98	90	100	30.05	30.02	30.09	21.0	13	71.9	81
09/03/2002	0.00	28.28	75	67	81	7.3	19	95	84	100	30.04	29.99	30.09	17.8	9	80.6	103
09/04/2002	0.00	28.28	81	72	95	5.6	16	85	67	100	29.97	29.93	30.00	15.3	8	85.2	114
09/05/2002	0.00	28.28	74	63	83	7.4	21	82	63	100	30.04	29.98	30.07	12.5	7	79.0	107
09/06/2002	0.00	28.28	72	64	80	8.8	22	80	67	97	30.16	30.07	30.22	12.3	8	76.4	104
09/07/2002	0.00	28.28	73	61	81	8.5	19	88	73	100	30.27	30.21	30.30	12.9	7	77.2	103
09/08/2002	0.00	28.28	73	65	81	7.3	19	91	71	100	30.24	30.17	30.30	15.8	7	78.5	104
09/09/2002	0.00	28.28	75	65	81	10.8	21	93	80	100	30.05	29.93	30.15	17.2	8	81.0	105
09/10/2002	0.23	28.51	77	73	84	11.3	22	100	97	100	29.74	29.51	29.92	19.8	10	81.0	102
09/11/2002	0.00	28.51	75	65	84	9.7	36	72	55	100	29.67	29.48	29.92	15.3	9	77.5	99
09/12/2002	0.00	28.51	68	55	76	6.0	17	72	54	100	30.05	29.93	30.13	10.3	7	72.4	101
09/13/2002	0.00	28.51	71	54	81	9.1	22	80	59	100	30.15	30.12	30.18	12.6	7	74.7	103
09/14/2002	0.00	28.51	76	69	81	10.9	23	98	91	100	30.19	30.16	30.22	18.0	10	78.0	91
09/15/2002	0.01	28.52	77	72	84	9.5	26	98	91	100	30.14	30.06	30.22	19.8	10	80.1	98
09/16/2002	0.95	29.47	75	69	81	4.9	16	99	95	100	29.99	29.94	30.05	23.7	17	75.1	86
09/17/2002	0.00	29.47	73	61	83	6.2	16	88	63	100	30.01	29.96	30.05	16.8	9	76.6	106
09/18/2002	0.00	29.47	73	62	83	6.1	13	91	74	100	30.06	30.02	30.09	16.3	8	77.8	106
09/19/2002	0.00	29.47	74	61	83	5.7	15	86	69	100	30.08	30.05	30.13	14.9	7	79.0	107
09/20/2002	0.00	29.47	77	71	85	7.3	14	88	72	100	30.05	30.00	30.09	14.4	7	81.7	107
09/21/2002	0.00	29.47	77	70	85	8.4	16	94	83	100	30.03	30.00	30.06	16.8	8	81.6	107
09/22/2002	0.00	29.47	77	71	84	6.0	11	94	82	100	30.00	29.95	30.06	17.2	8	82.6	110
09/23/2002	0.00	29.47	73	67	83	7.5	21	87	72	100	30.06	29.93	30.14	15.6	8	76.6	104
09/24/2002	0.00	29.47	71	64	82	6.4	19	79	63	95	30.19	30.13	30.24	11.1	7	75.7	106
09/25/2002	0.00	29.47	72	64	79	12.5	23	89	73	100	30.22	30.15	30.26	13.0	7	75.2	99
09/26/2002	0.43	29.90	70	68	73	12.8	24	100	100	100	30.03	29.90	30.13	25.0	25	70.0	73
09/27/2002	0.02	29.92	78	73	83	12.5	32	99	96	100	29.81	29.73	29.90	21.3	11	81.7	101
09/28/2002	0.18	30.10	73	66	82	8.4	24	84	64	100	30.00	29.76	30.14	17.0	9	76.7	103
09/29/2002	0.00	30.10	72	67	79	9.4	18	83	66	92	30.21	30.14	30.25	13.4	8	76.5	102
09/30/2002	0.00	30.10	72	64	81	7.4	14	87	64	100	30.25	30.22	30.30	14.3	8	75.3	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
2.37 30.1	74 54 95	8.4 42	89 54 100	30.06 29.48 30.3	16.5 7	77.72 114

October 2002

	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
10/01/2002	0.00	30.10	73	60	84	5.8	16	92	72	100	30.17	30.13	30.22	16.5	8	77.4	107
10/02/2002	0.00	30.10	76	69	88	5.7	16	94	71	100	30.07	30.01	30.13	17.3	8	80.7	108
10/03/2002	0.00	30.10	77	68	91	4.1	10	94	73	100	30.02	29.99	30.07	17.8	8	80.2	111
10/04/2002	0.00	30.10	77	69	85	10.3	24	98	89	100	30.05	29.94	30.13	19.6	9	80.5	103
10/05/2002	0.00	30.10	78	67	92	7.1	24	89	70	100	30.00	29.93	30.16	15.1	7	82.2	114
10/06/2002	0.00	30.10	69	65	75	10.2	27	87	70	100	30.16	30.07	30.23	13.0	8	73.8	95
10/07/2002	0.00	30.10	72	61	83	7.4	26	83	65	100	30.02	29.95	30.12	14.4	8	75.1	106
10/08/2002	0.00	30.10	63	58	70	9.8	23	74	63	85	30.23	30.12	30.26	10.2	7	66.7	93
10/09/2002	0.01	30.11	68	58	75	12.2	20	91	81	100	30.24	30.22	30.28	15.6	9	70.6	90
10/10/2002	0.02	30.13	70	68	72	15.4	27	97	91	100	30.22	30.19	30.25	21.0	15	70.3	76
10/11/2002	1.15	31.28	69	65	70	14.5	29	100	100	100	30.11	29.99	30.18	25.2	25	68.1	71
10/12/2002	0.08	31.36	69	64	78	10.5	26	98	86	100	30.04	29.98	30.08	23.4	14	71.1	93
10/13/2002	0.03	31.39	66	63	75	7.1	28	99	91	100	30.10	30.06	30.16	23.2	14	68.2	81
10/14/2002	0.00	31.39	57	50	63	9.5	28	73	53	93	30.25	30.17	30.30	13.8	9	60.6	83
10/15/2002	0.38	31.77	63	57	67	17.2	39	89	76	100	30.02	29.69	30.20	17.8	11	64.0	79
10/16/2002	0.25	32.02	61	56	69	13.2	41	100	94	100	29.59	29.39	29.83	25.5	22	61.0	70
10/17/2002	0.31	32.33	59	51	70	6.3	23	92	75	100	29.94	29.83	30.05	20.1	10	62.2	86
10/18/2002	0.01	32.34	51	40	63	5.6	24	81	50	100	30.19	30.07	30.25	17.9	10	52.1	82
10/19/2002	0.00	32.34	61	44	68	9.7	27	82	66	100	30.06	29.95	30.18	16.2	10	62.7	83
10/20/2002	0.00	32.34	60	56	67	5.2	20	88	75	100	30.01	29.94	30.06	15.6	10	62.3	79
10/21/2002	0.09	32.43	53	49	57	6.0	15	91	79	100	30.11	30.02	30.17	22.8	14	52.1	58
10/22/2002	0.00	32.43	55	42	67	4.2	13	88	66	100	30.19	30.15	30.22	17.4	9	56.0	86
10/23/2002	0.00	32.43	58	43	72	6.3	21	86	60	100	30.26	30.21	30.34	16.0	8	60.6	91
10/24/2002	0.00	32.43	57	55	59	12.8	23	79	75	82	30.34	30.30	30.39	13.0	11	57.5	69
10/25/2002	0.31	32.74	60	58	64	16.8	35	93	82	100	30.20	29.94	30.34	17.8	13	60.8	66
10/26/2002	1.09	33.83	61	55	70	5.7	24	97	85	100	29.94	29.88	30.05	22.5	11	62.8	86
10/27/2002	0.00	33.83	58	46	69	4.9	15	85	58	100	30.13	30.06	30.16	17.5	9	60.0	88
10/28/2002	0.34	34.17	53	49	60	6.4	22	92	82	100	30.11	30.06	30.17	21.5	13	52.8	63
10/29/2002	0.72	34.89	52	50	55	16.6	33	95	85	100	30.02	29.90	30.13	24.9	19	51.5	56
10/30/2002	1.16	36.05	55	49	58	13.8	30	100	100	100	29.82	29.76	29.89	26.0	26	54.9	59
10/31/2002	0.10	36.15	44	40	50	8.7	25	95	79	100	30.04	29.86	30.13	26.6	25	43.8	55

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
6.05 36.15	63	40	92	9.3	41	90	50	100	30.09	29.39	30.39	18.87	7	64.59	114

November 2002

	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
11/01/2002	0.00	36.15	47	41	56	7.0	21	87	68	100	30.06	29.99	30.13	20.1	12	48.6	73
11/02/2002	0.00	36.15	43	33	50	8.0	26	74	54	100	30.08	30.02	30.15	13.7	9	44.2	68
11/03/2002	0.00	36.15	46	39	57	4.5	18	73	46	100	30.17	30.13	30.22	13.5	9	46.8	78
11/04/2002	0.04	36.19	48	38	56	5.8	21	94	74	100	30.11	30.04	30.19	23.3	16	47.0	59
11/05/2002	0.84	37.03	51	41	61	10.5	39	91	68	100	30.06	29.60	30.23	22.7	12	52.7	70
11/06/2002	0.36	37.39	51	46	63	9.6	38	93	75	100	29.61	29.46	29.86	25.0	21	50.3	63
11/07/2002	0.00	37.39	47	36	56	8.3	25	82	61	100	30.10	29.90	30.26	16.5	11	47.9	71
11/08/2002	0.00	37.39	52	35	60	9.9	28	88	67	100	30.19	30.15	30.27	18.8	10	52.3	77
11/09/2002	0.00	37.39	57	51	64	9.5	26	95	84	100	30.11	30.05	30.17	19.8	10	59.5	79
11/10/2002	0.00	37.39	61	56	68	10.0	24	100	99	100	29.93	29.83	30.04	23.5	13	63.1	82
11/11/2002	0.06	37.45	63	57	70	8.2	27	100	100	100	29.93	29.83	30.07	25.1	19	62.3	78
11/12/2002	0.97	38.42	56	50	61	6.6	22	100	100	100	29.97	29.84	30.08	26.0	26	56.8	65
11/13/2002	0.31	38.73	48	43	51	9.9	23	99	94	100	30.01	29.94	30.10	26.4	26	46.4	51
11/14/2002	0.00	38.73	51	42	61	6.2	18	89	67	100	30.13	30.10	30.17	21.1	12	52.1	77
11/15/2002	0.07	38.80	55	49	66	7.2	21	91	63	100	30.09	30.05	30.13	20.1	10	56.5	82
11/16/2002	1.09	39.89	58	54	60	11.2	33	100	100	100	29.89	29.61	30.04	26.0	26	58.1	63
11/17/2002	0.59	40.48	48	43	61	7.6	31	100	100	100	29.68	29.60	29.81	26.5	26	48.0	56
11/18/2002	0.00	40.48	45	36	52	11.4	35	79	63	100	30.19	29.85	30.37	19.6	12	45.0	65
11/19/2002	0.00	40.48	48	31	59	6.6	18	89	65	100	30.28	30.22	30.36	18.1	10	47.5	75
11/20/2002	0.00	40.48	51	41	58	5.3	13	91	73	100	30.24	30.14	30.30	19.9	11	51.1	72
11/21/2002	0.16	40.64	55	45	60	3.8	12	100	98	100	29.92	29.67	30.12	23.9	16	56.0	67
11/22/2002	0.03	40.67	52	44	61	9.2	37	95	73	100	29.62	29.54	29.70	24.5	18	52.5	67
11/23/2002	0.00	40.67	44	40	47	13.1	38	74	60	85	29.98	29.74	30.10	14.3	11	45.7	60
11/24/2002	0.00	40.67	46	33	60	4.3	12	86	52	100	30.14	30.08	30.18	14.8	9	43.3	77
11/25/2002	0.00	40.67	52	41	62	5.4	13	99	90	100	30.14	30.09	30.18	21.3	11	50.8	73
11/26/2002	0.00	40.67	49	44	52	8.5	26	92	72	100	30.18	30.01	30.28	19.2	10	50.7	68
11/27/2002	0.00	40.67	40	33	51	10.0	29	83	70	100	30.11	29.99	30.23	16.2	12	40.2	53
11/28/2002	0.00	40.67	34	29	42	6.5	19	70	48	89	30.19	30.11	30.30	11.7	9	36.1	61
11/29/2002	0.00	40.67	41	25	47	9.8	27	69	55	97	29.86	29.64	30.10	11.9	9	42.6	62
11/30/2002	0.03	40.70	46	40	55	9.8	42	82	67	100	29.59	29.45	29.75	17.4	12	44.8	56

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
4.55 40.7	50 25 70	8.1 42	89 46 100	30.02 29.45 30.37	20.02 9	49.96 82

December 2002

	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
12/01/2002	0.00	40.70	35	25	40	12.2	37	64	52	87	30.00	29.77	30.15	12.7	10	35.3	57
12/02/2002	0.00	40.70	42	29	50	9.1	24	67	50	90	30.01	29.91	30.13	12.0	10	43.2	65
12/03/2002	0.00	40.70	30	23	42	10.3	34	59	39	84	30.33	29.98	30.52	10.3	8	31.9	51
12/04/2002	0.00	40.70	29	22	35	5.3	19	63	56	97	30.49	30.36	30.55	9.6	8	31.7	55
12/05/2002	1.10	41.80	37	27	47	14.2	36	100	100	100	29.99	29.77	30.33	25.3	11	37.1	47
12/06/2002	0.00	41.80	32	27	40	7.5	25	86	66	100	30.21	30.05	30.34	23.1	16	32.7	54
12/07/2002	0.00	41.80	34	18	44	5.7	16	87	63	100	30.29	30.21	30.37	18.4	11	32.8	60
12/08/2002	0.00	41.80	38	30	49	5.0	21	93	77	100	30.25	30.17	30.41	20.4	13	38.5	64
12/09/2002	0.00	41.80	31	28	37	8.1	25	80	65	96	30.52	30.42	30.61	14.5	10	33.8	54
12/10/2002	0.09	41.89	37	29	44	8.1	22	99	94	100	30.24	30.05	30.41	24.0	19	36.7	42
12/11/2002	0.48	42.37	45	37	56	12.5	31	100	100	100	29.90	29.73	30.03	26.6	26	45.0	56
12/12/2002	0.00	42.37	40	34	49	6.6	21	96	82	100	30.17	30.01	30.26	25.1	19	40.0	57
12/13/2002	0.20	42.57	44	33	54	7.3	23	100	100	100	29.92	29.51	30.23	26.5	26	43.0	53
12/14/2002	0.00	42.57	45	43	54	14.0	35	95	88	100	29.56	29.46	29.77	24.7	21	44.5	51
12/15/2002	0.00	42.57	42	34	50	8.1	22	87	68	100	29.86	29.75	29.95	18.3	11	42.8	63
12/16/2002	0.00	42.57	41	32	48	9.0	33	78	58	100	29.90	29.70	30.15	17.0	10	40.9	60
12/17/2002	0.00	42.57	32	27	40	6.7	19	78	59	89	30.32	30.17	30.42	13.7	9	33.9	58
12/18/2002	0.00	42.57	36	26	46	4.7	14	88	70	100	30.44	30.35	30.51	14.7	9	35.7	67
12/19/2002	0.00	42.57	47	29	54	6.3	20	96	75	100	30.12	29.85	30.34	16.1	6	48.1	59
12/20/2002	0.62	43.19	50	38	56	10.8	44	89	55	100	29.66	29.49	29.83	24.9	16	49.1	58
12/21/2002	0.00	43.19	46	38	53	10.8	29	48	35	87	29.87	29.79	29.94	19.3	13	44.7	58
12/22/2002	0.00	43.19	47	39	55	7.3	22	54	37	72	29.87	29.79	29.96	14.3	11	47.1	62
12/23/2002	0.00	43.19	43	33	50	6.3	17	60	38	100	30.02	29.98	30.08	15.1	11	41.4	58
12/24/2002	0.47	43.66	41	38	45	11.1	29	68	38	100	29.98	29.68	30.13	18.1	10	41.5	52
12/25/2002	0.37	44.03	43	39	51	19.5	46	78	49	100	29.43	29.20	29.70	25.8	18	43.5	52
12/26/2002	0.00	44.03	39	33	45	10.2	38	50	40	60	30.09	29.76	30.28	13.6	11	39.3	54
12/27/2002	0.00	44.03	34	29	43	4.1	17	59	40	75	30.25	30.16	30.33	13.8	10	33.9	53
12/28/2002	0.00	44.03	37	29	46	5.5	21	60	39	73	30.10	30.00	30.18	15.0	11	37.5	55
12/29/2002	0.00	44.03	39	30	47	4.0	14	68	45	100	30.17	30.00	30.30	14.4	10	36.3	57
12/30/2002	0.00	44.03	43	31	52	4.2	12	86	54	100	30.28	30.16	30.38	17.5	12	41.6	60
12/31/2002	0.32	44.35	49	43	53	7.4	18	86	61	100	30.10	30.04	30.18	21.5	14	49.7	60

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
3.65 44.35	40	18	56	8.5	46	78	35	100	30.07	29.2	30.61	18.27	6	39.78	67