

# Assateague Island National Seashore

## Meteorological Monitoring Program

### 2006 Weather Data Report



Track of Hurricane Ernesto (NOAA)

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## **Abstract**

Assateague Island National Seashore (ASIS) continued the operation of three weather data collection stations in Maryland during 2006 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 2006 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 2006, 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.

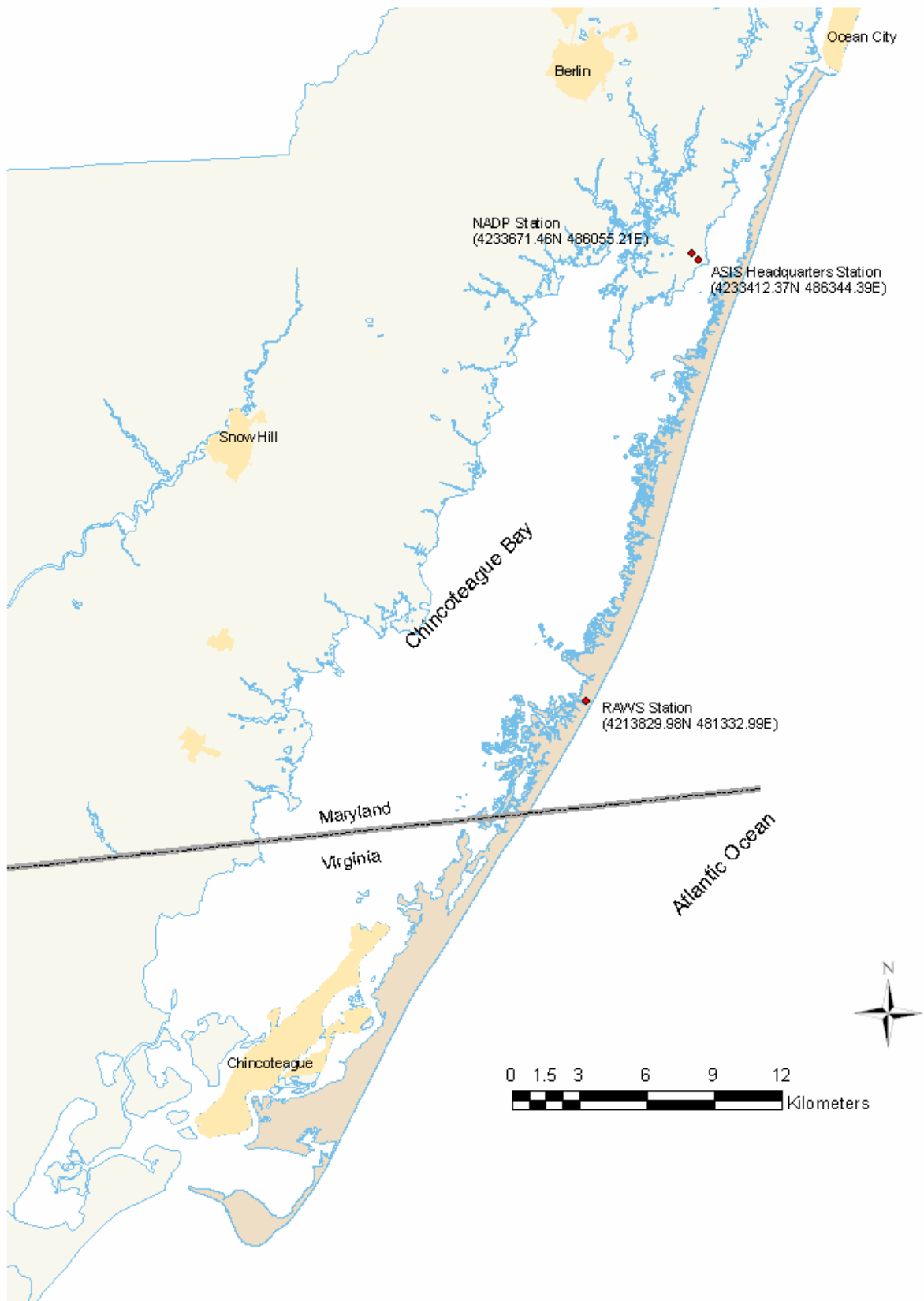


Figure 1. ASIS weather data collection stations

## 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 2005. Replacement sensors are supplied by the BLM–NIFC Remote Sensing Support Group Depot Facility, and installed by ASIS personnel.

### 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).

| <b>Parameter</b>             | <b>Units</b> | <b>Period of Primary Data Collection</b> | <b>Interval of Primary Data Collection</b> | <b>Total # of Primary Data Collected</b> | <b>Primary Data Processing Function</b> |
|------------------------------|--------------|------------------------------------------|--------------------------------------------|------------------------------------------|-----------------------------------------|
| <b>Rainfall</b>              | inches       | 1 hour                                   | when bucket tips                           | variable                                 | sums value of tips then logs            |
| <b>Avg. Air Temp.</b>        | degrees (F)  | 1 hour                                   | 1 hour                                     | 1                                        | logs current value                      |
| <b>Max. Air Temp.</b>        | degrees (F)  | 24 hours                                 | 5 minutes                                  | 288                                      | takes maximum then logs                 |
| <b>Min. Air Temp.</b>        | degrees (F)  | 24 hours                                 | 5 minutes                                  | 288                                      | takes minimum then logs                 |
| <b>Avg. Wind Speed</b>       | miles/ hour  | last 10 minutes of each hour             | 1 second                                   | 600                                      | averages then logs                      |
| <b>Avg. Wind Direct.</b>     | degrees      | last 10 minutes of each hour             | 1 second                                   | 600                                      | averages then logs                      |
| <b>Max. Wind Gust</b>        | miles/ hour  | 1 hour                                   | 1 second                                   | 3600                                     | takes maximum then logs                 |
| <b>Max. Gust Direct.</b>     | degrees      | 1 hour                                   | 1 second                                   | 3600                                     | selects match to maximum then logs      |
| <b>Barometric Pressure</b>   | inches of Hg | 1 hour                                   | 1 hour                                     | 1                                        | logs current value                      |
| <b>Relative Humidity</b>     | percent      | last 10 minutes of each hour             | 1 second                                   | 600                                      | averages then logs                      |
| <b>Max Relative Humidity</b> | percent      | 24 hours                                 | 5 minutes                                  | 288                                      | takes maximum then logs                 |
| <b>Min Relative Humidity</b> | percent      | 24 hours                                 | 5 minutes                                  | 288                                      | takes minimum then logs                 |
| <b>Fuel Temp.</b>            | degrees (F)  | 1 hour                                   | 1 hour                                     | 1                                        | logs current value                      |
| <b>Fuel Moisture</b>         | percent      | 1 hour                                   | 1 hour                                     | 1                                        | logs current value                      |
| <b>Battery Voltage</b>       | volts        | 1 hour                                   | 1 hour                                     | 1                                        | logs current value                      |

Table 1. Hourly measures collected by ASIS RAWs.

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**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

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| Date       | Air Temp<br>24-hour<br>maximum<br>[F] | Air Temp<br>24-hour<br>minimum<br>[F] | Air Temp<br>24-hour<br>average<br>[F] | Rain<br>24-hour<br>increase<br>[inches] | Wind Speed<br>24-hour<br>average<br>[mph] | Wind Speed<br>24-hour<br>maximum<br>[mph] | Snow<br>24-hour<br>increase<br>[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                                        |                                         |

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Figure 2. Sample NOAA/NWS Report

## Results and Discussion

### Storm Activity

After a record setting 2005 hurricane season, the 2006 hurricane season was predicted to be nearly as active with 13-16 named storms and 4-6 major hurricanes (Bell et al. 2007). However, storm activity during the 2006 season was below predictions and below the 1995-2005 season average. There were 5 hurricanes (2 major) and 5 tropical storms during the year, which is similar to the 1970-1994 seasonal storm activity average. Only 2 storms made landfall in the mainland United States during 2006; Tropical Storm Alberto in Florida, and Hurricane Ernesto in Florida and North Carolina. A rapidly developing El Niño during August and September was a major cause of lower than expected tropical storm activity (Bell et al. 2007).

The 2006 season began with a remnant of the 2005 season, Hurricane Zeta, persisting until January 5<sup>th</sup>, making it the first storm of 2006 in the Atlantic basin. The first storm of the official hurricane season, Tropical Storm Alberto, formed on June 11<sup>th</sup> off the coast of Cuba. Alberto had no significant impact on ASIS (NOAA 2007d).

The only storm of 2006 that impacted ASIS was Hurricane Ernesto in late August. Ernesto formed on August 24<sup>th</sup> southeast of Martinique in the Windward Island and moved west, reaching tropical storm strength on the 25<sup>th</sup>. During the morning of August 27<sup>th</sup> Ernesto briefly reached category 1 hurricane strength, though it soon lost energy and returned to tropical storm intensity. First landfall was made near Guantanamo Bay, Cuba on the 28<sup>th</sup>. Second landfall was made on August 30<sup>th</sup> in Dade County Florida. The storm moved across Florida, entering the Atlantic near Cape Canaveral. Ernesto strengthened slightly and made a third and final landfall near Long Beach, North Carolina on August 31<sup>st</sup> at tropical storm strength (NOAA 2007d). The system then moved in a northerly direction through the interior of North Carolina and Virginia, passing to the west of ASIS on September 1<sup>st</sup>, causing over \$90 million in crop losses in Virginia (NOAA 2007c).

ASIS experienced heavy rainfall (5.76 inches), pounding surf, and some beach erosion from Ernesto. Damage from Ernesto and later storms was over \$500,000 at ASIS, primarily from sand movement onto parking lots in Virginia. Reduced hard surface areas caused major disruptions to beach parking for visitors during the Labor Day weekend. Several trees and signs were blown over near roads in Maryland and maximum wind gusts reached 64 mph at RAWS (Figure 3, 4).

A nor'easter impacted ASIS on November 21-22, bringing heavy surf, overwash, and high winds (NOAA 2007c). Wind gusts to 58 mph were recorded, and 1.81 inches of precipitation fell.



Figure 3. Tropical Storm Ernesto at North Beach.



Figure 4. Blow-out tide at Ferry Landing during Ernesto.

### Precipitation and Drought

Overall Maryland average precipitation for 2006 was 46.14 inches, which makes 2006 the 85<sup>th</sup> driest year on record in Maryland (NOAA 2007b). Precipitation records date to 1895 (112 years). ASIS RAWS received 40.39 inches of precipitation during 2006 (Figure 5). This is below the 1992-2005 average of 43.04 inches of precipitation per year. Precipitation received at headquarters was 43.48 inches. Similar to precipitation trends statewide, Assateague's annual precipitation for 2006 was near normal. Hydrologic indicators were "Normal" during 2006 (MDE 2007).

ASIS precipitation was below average for all months except June, July, September, October, and November (Figure 6). A dry period began in February when only 0.68 inches of precipitation was recorded. Only 0.29 inches (0.27 inches at headquarters) of precipitation was received during March, with only 2 days receiving more than 0.01 inches. March 2006 was the driest March on record for Maryland, Delaware, and Virginia (NOAA 2007a). In contrast, precipitation during September was noteworthy at 7.69 inches, while 5.76 inches was received on September 1<sup>st</sup> during Tropical Storm Ernesto. September rainfall was also heavy at Headquarters with 9.32 inches recorded.

June was a relatively wet month at ASIS, and the period from June 20 through June 25 was regionally significant. While ASIS received about 1.88 inches at RAWS during this period, nearby towns such as Seaford, DE received over 13 inches, causing extensive flooding and damage.

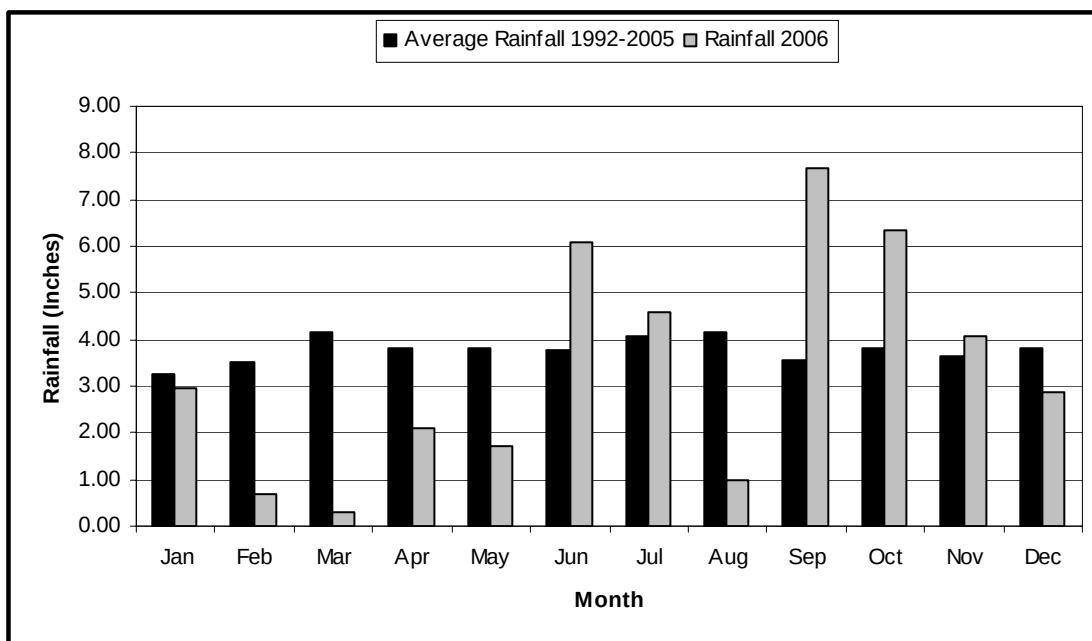


Figure 5. ASIS RAWS monthly rainfall for 2006 compared to average rainfall for the period 1992-2005.

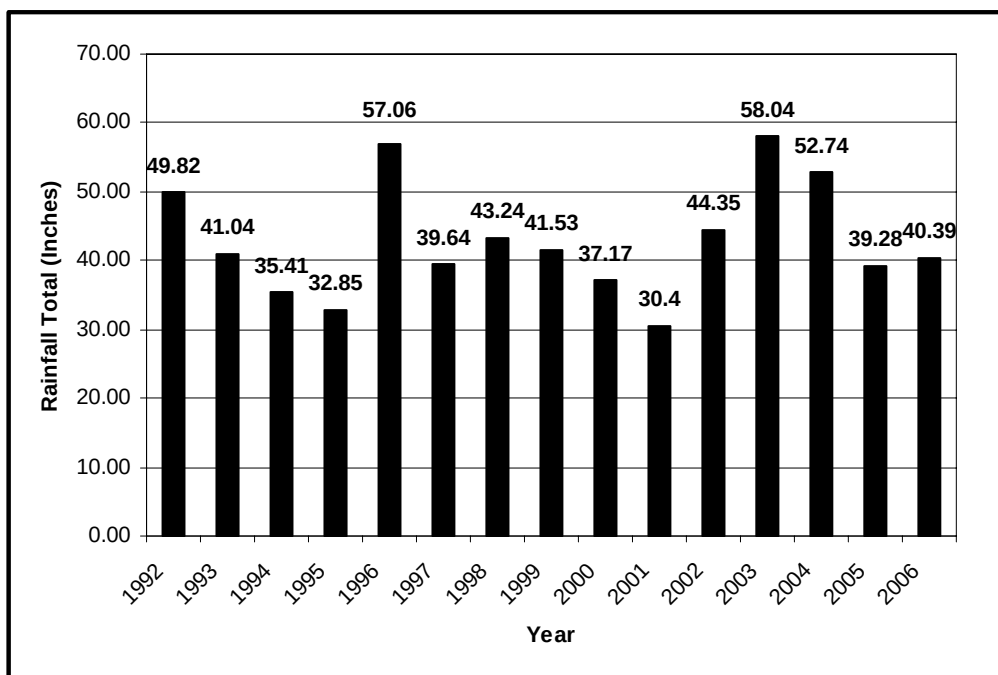


Figure 6. ASIS RAWS annual rainfall for 1992-2006.

## Temperatures

NOAA (NOAA 2007e), determined that 2006 was the 2<sup>nd</sup> warmest year on record for the United States. The average temperature was nearly identical to the record set in 1998. 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 December was the eighth warmest since records began in 1895. Seven months in 2006 were much warmer than average. The 2006 annual average national temperature was 54.9° F, 2.1° F above the 20<sup>th</sup> Century mean and 0.08° F cooler than 1998 (Figure 7). “United States and global annual temperatures are now about 1.0° F warmer than at the start of the 20<sup>th</sup> century, and the rate of warming has accelerated over the past 30 years. The past nine years have all been among the 25 warmest years on record for the contiguous U.S., a streak which is unprecedented in the historical record” (Figure 8, NOAA 2007e). Because temperatures were unusually warm during October-December, the nation’s residential energy demand was depressed, about 13.5 percent lower than under average conditions (NOAA 2007e).

The 2006 average temperature at ASIS RAWS was 58.49° F, 0.44° F above the 14 year (1992-2005) average temperature of 58.05° F. A period of high temperatures occurred from August 1-7 with maximum temperatures at RAWS reaching 100° F.

### January-December 2006 Statewide Ranks

National Climatic Data Center/NESDIS/NOAA

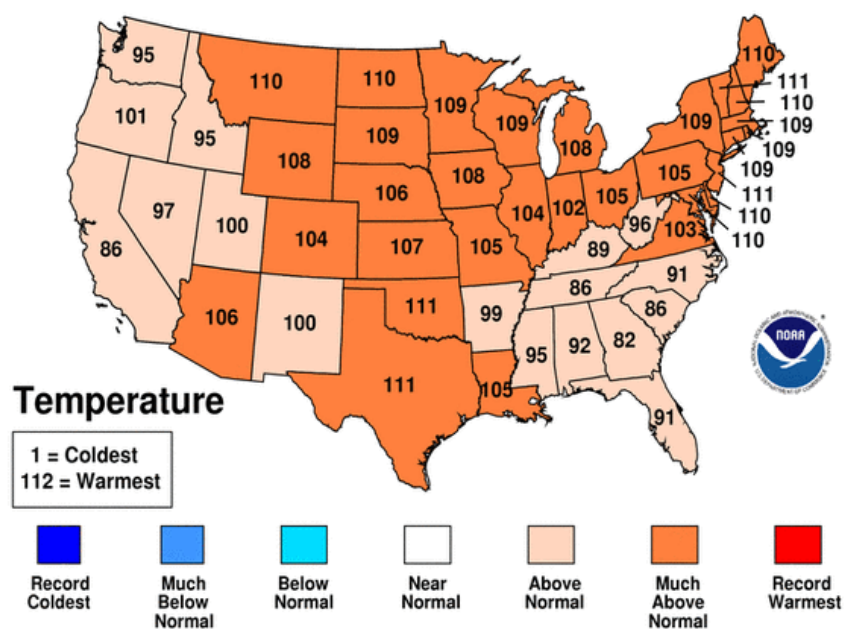


Figure 7. Annual average temperature rankings for 2006. Maryland had the third warmest year on record (NOAA).

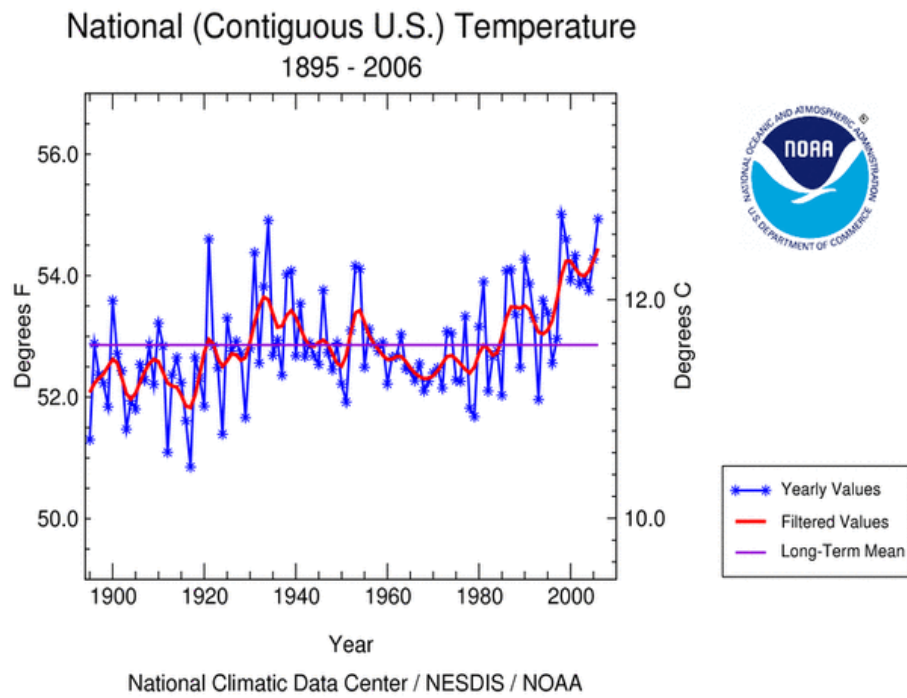


Figure 8. United States temperature averages from 1895 through 2006 displaying a trend of increasing temperature, particularly in the past 30 years (NOAA).

## Works Cited

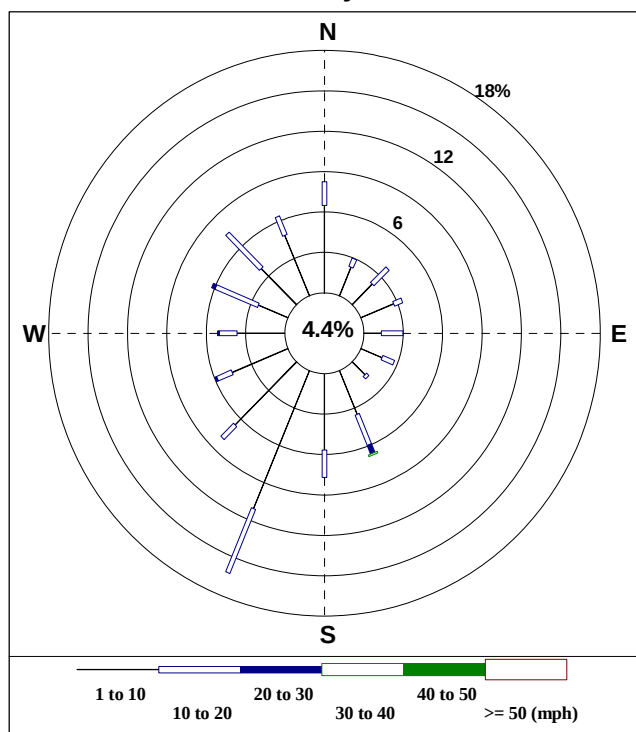
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< <http://www.ncdc.noaa.gov/oa/climate/research/2006/ann/ann06.html> >

# Appendix A

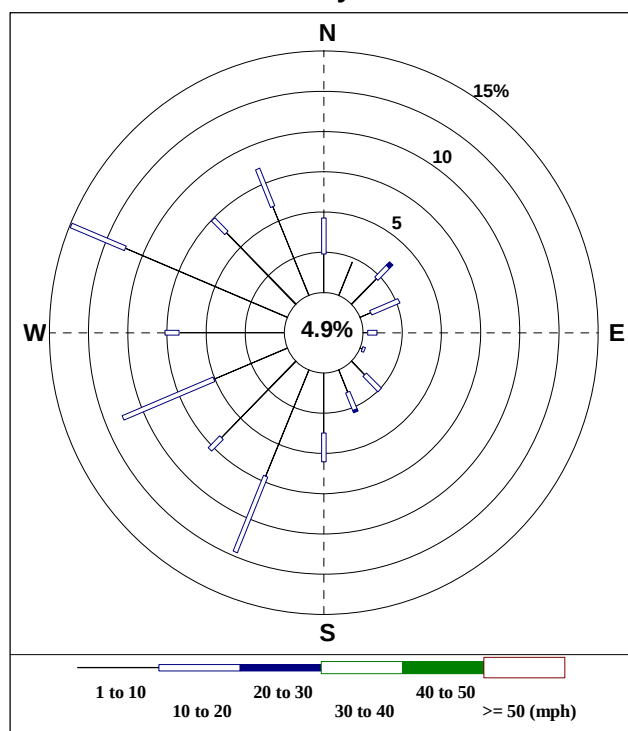
## 2006 Graphics

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.

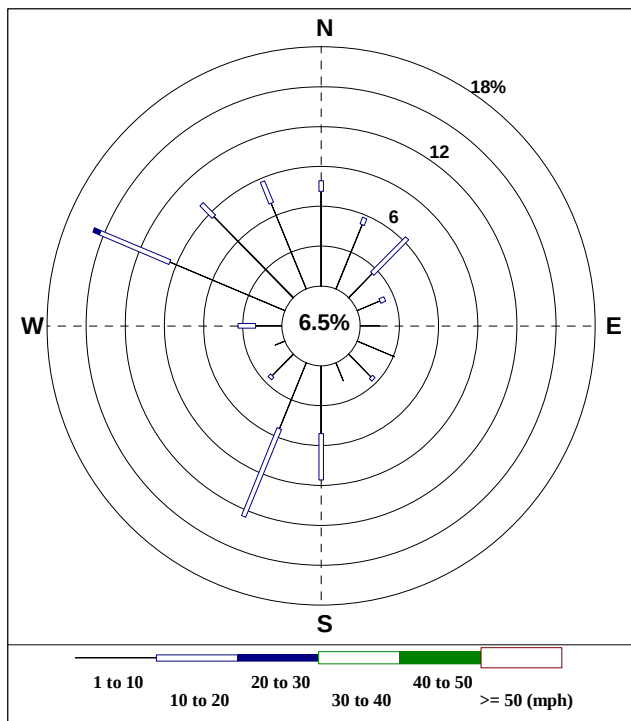
# Assateague Island National Seashore Windroses Average Wind Speed (MPH) and Direction, Compiled Hourly January 2006



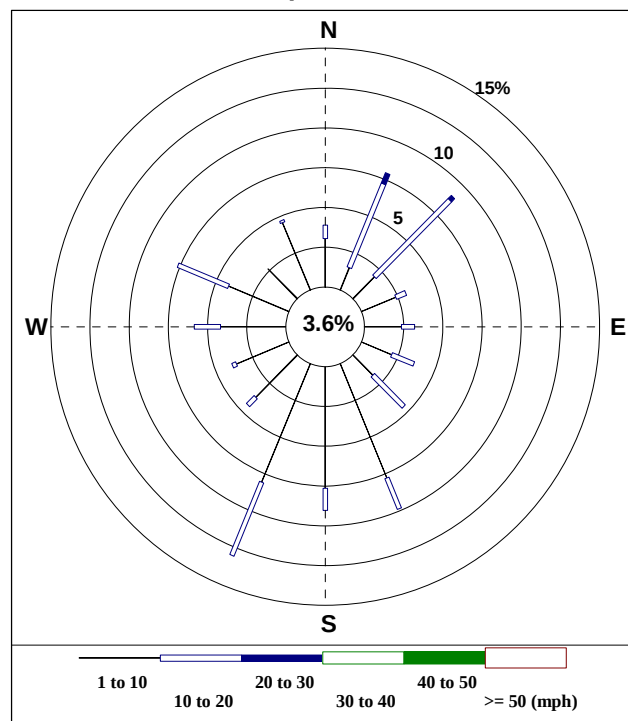
February 2006



March 2006



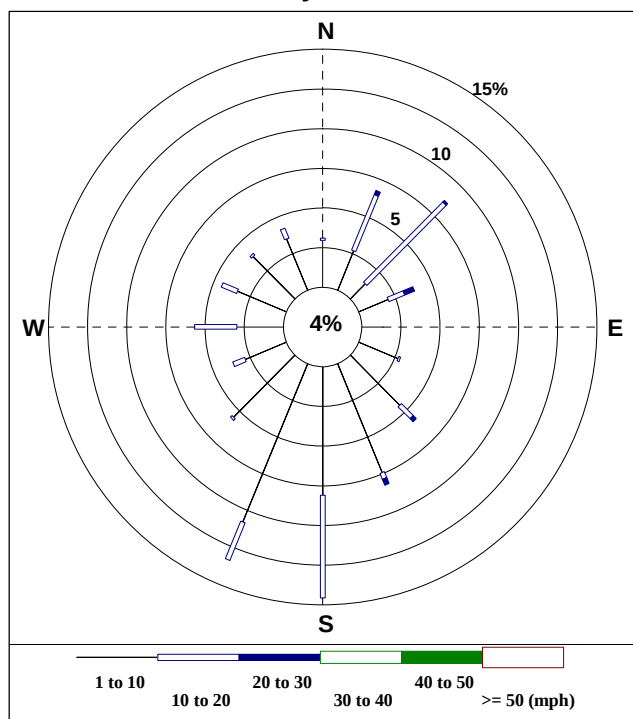
April 2006



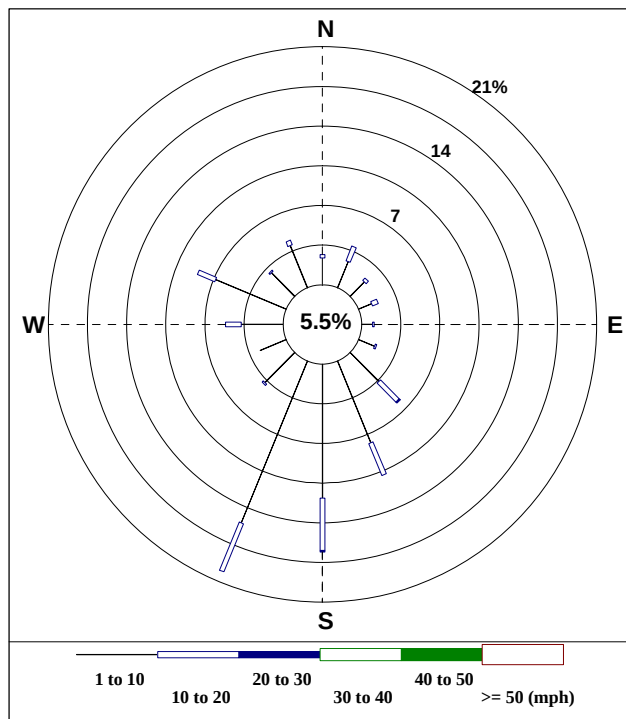
The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

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

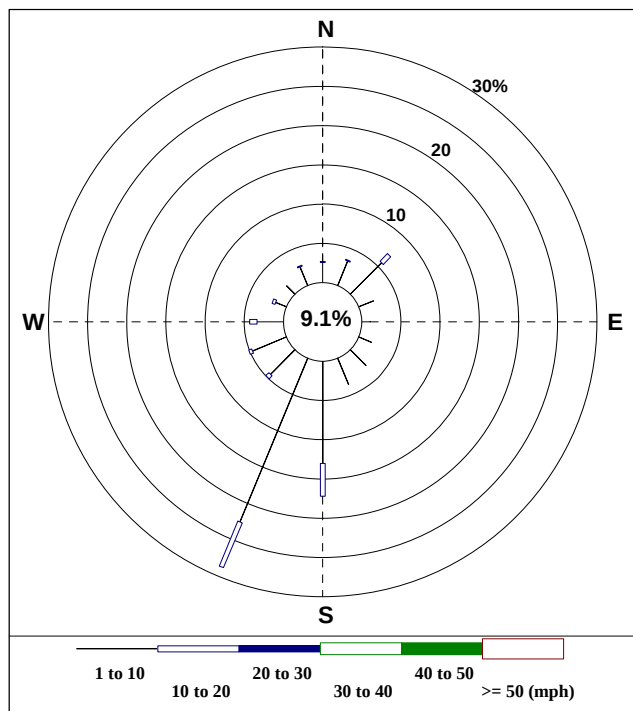
May 2006



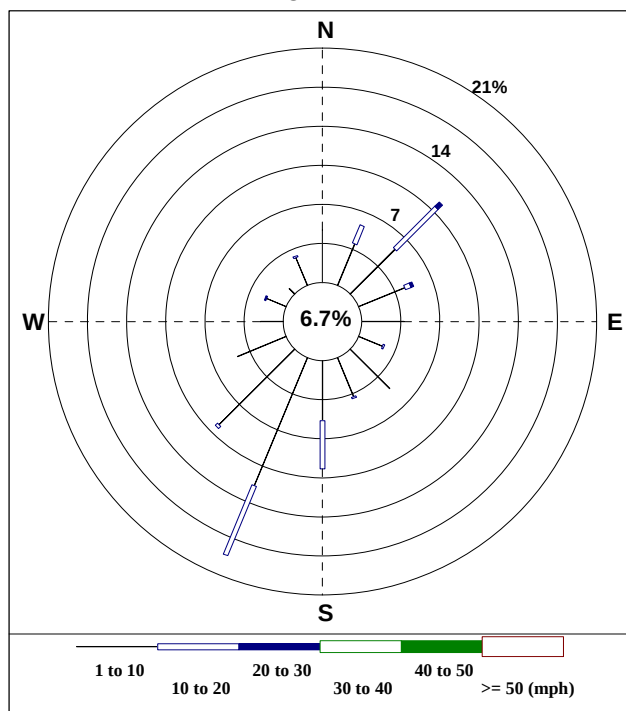
June 2006



July 2006

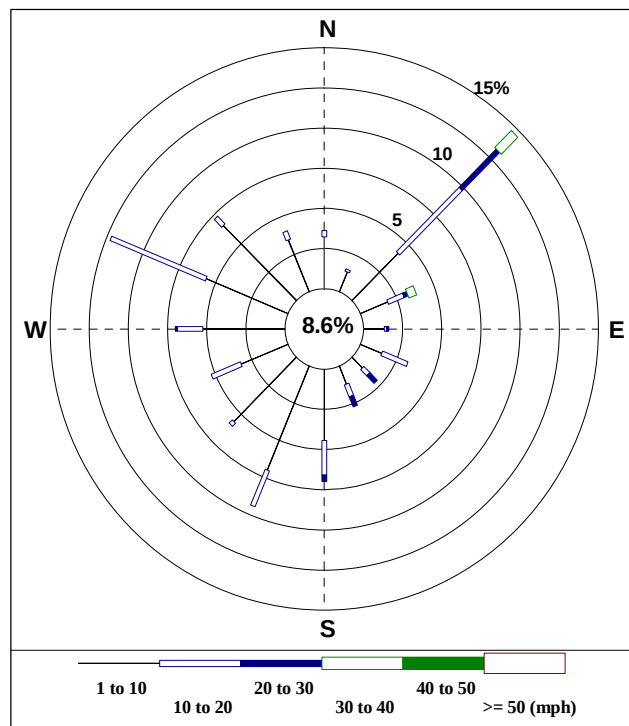
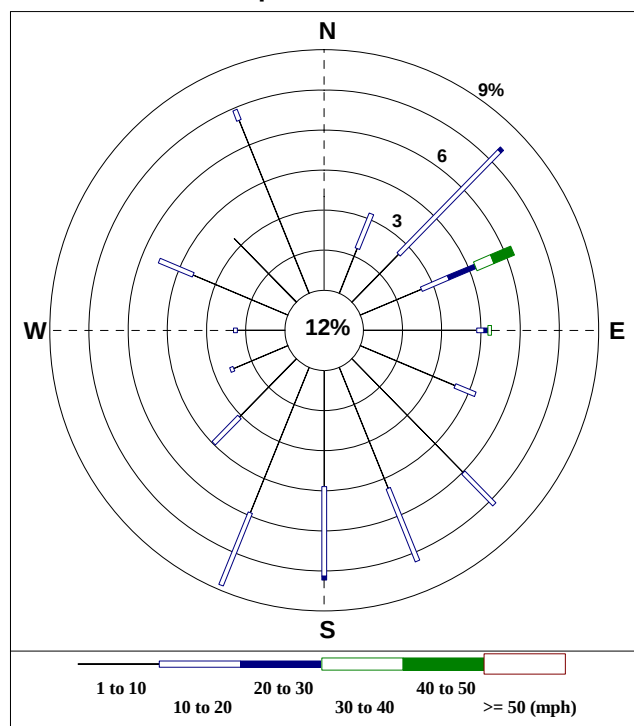


August 2006

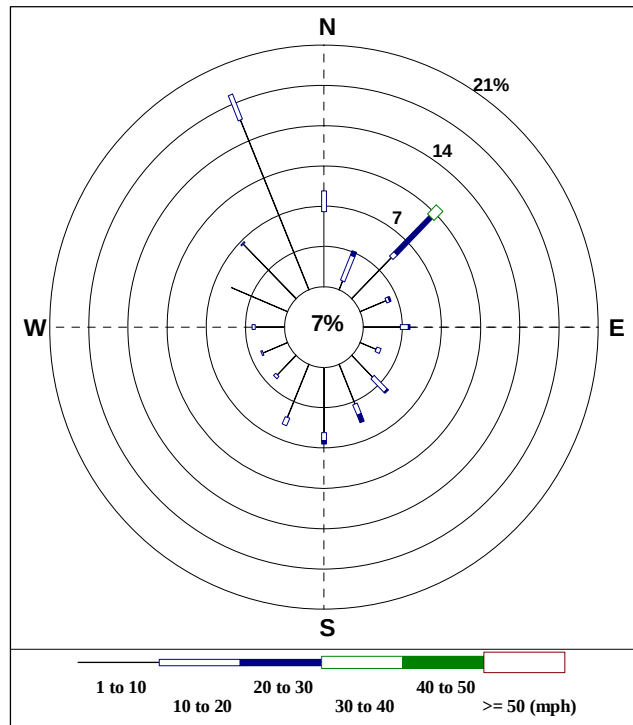


The length of each bar segment illustrates the percentage of time the wind blew at that speed and from the direction as indicated by bar width and orientation. The percentage of calm time is displayed in the center of the windrose.

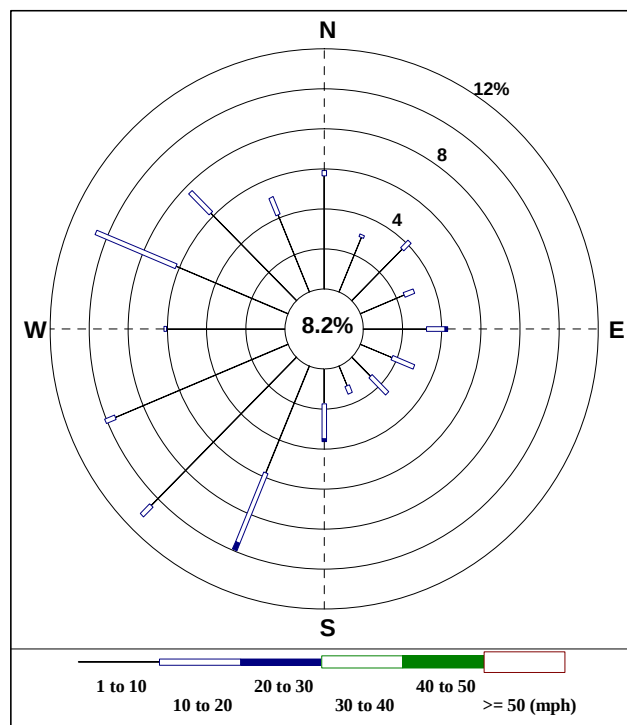
# Assateague Island National Seashore Windroses Average Wind Speed (MPH) and Direction, Compiled Hourly September 2006      October 2006



November 2006



December 2006



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.

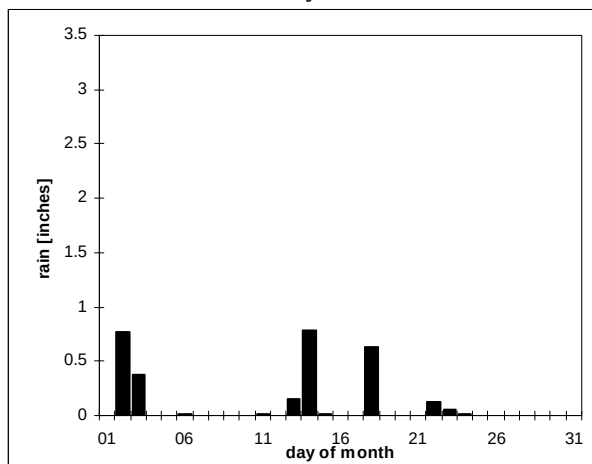
**January 1, 2006 through December 31, 2006**



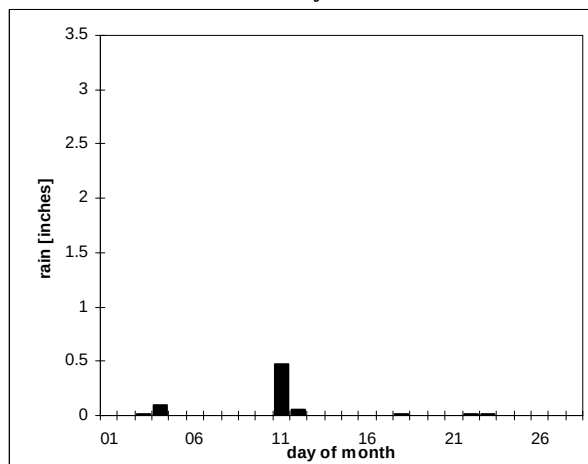
# Assateague Island National Seashore — 2006

## Daily Rainfall [Inches]

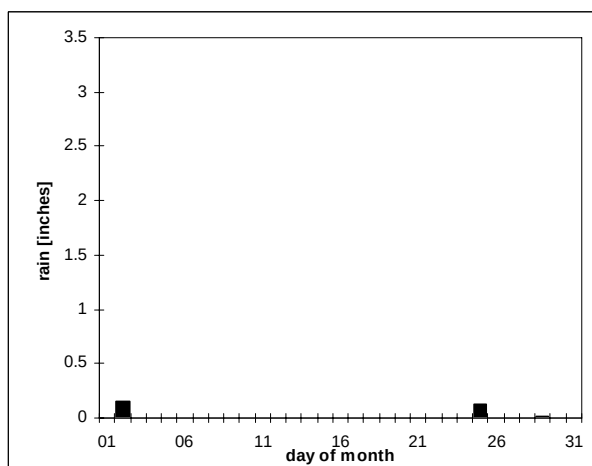
January 2006



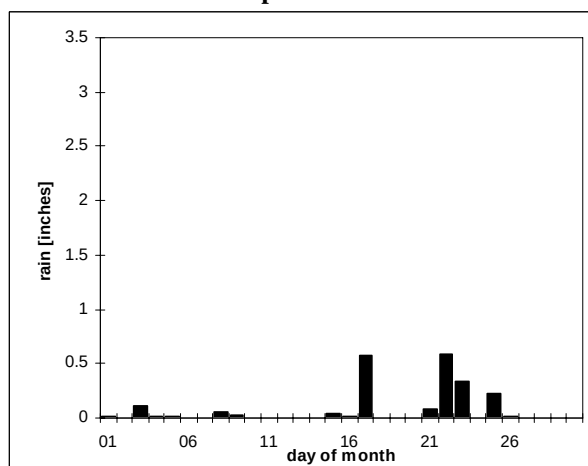
February 2006



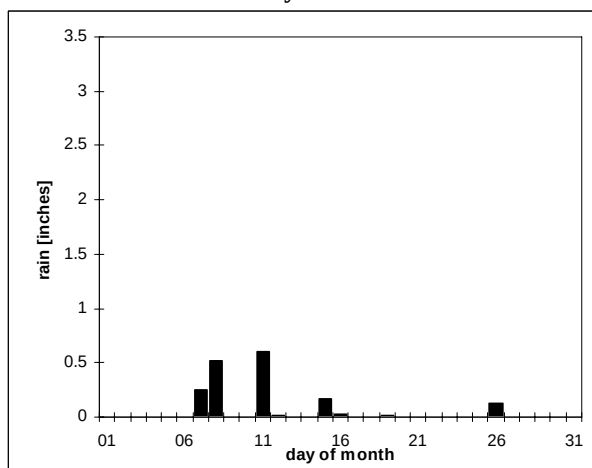
March 2006



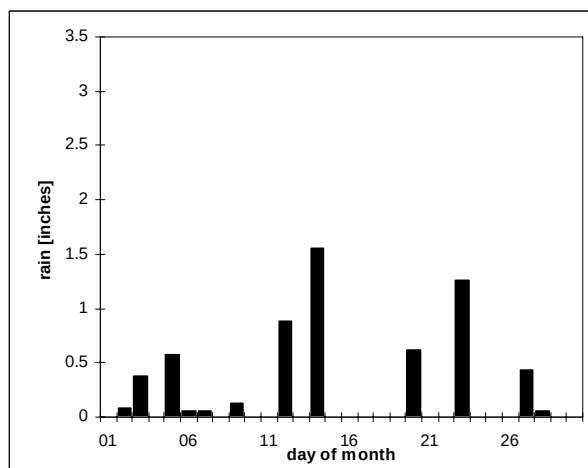
April 2006



May 2006



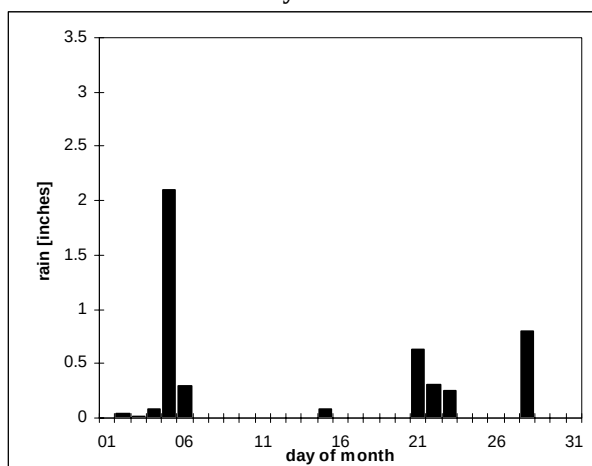
June 2006



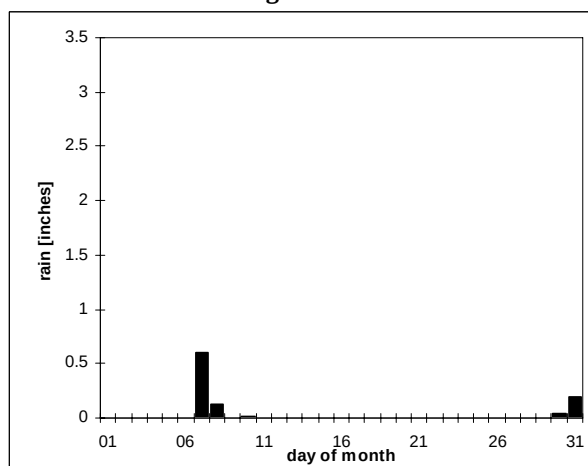
# Assateague Island National Seashore — 2006

## Daily Rainfall [Inches]

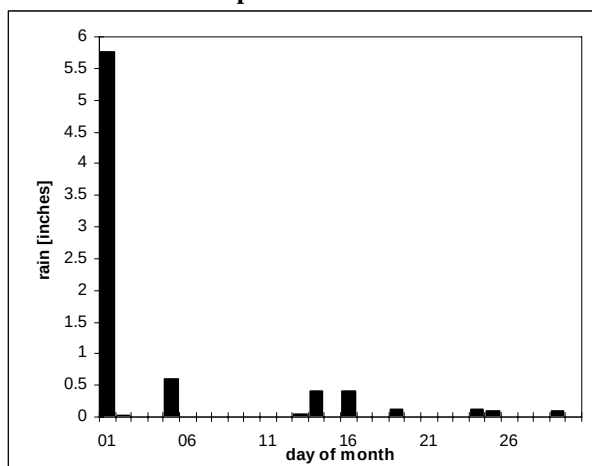
July 2006



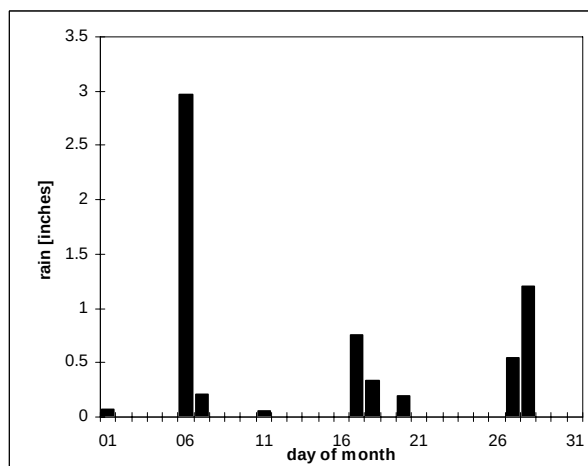
August 2006



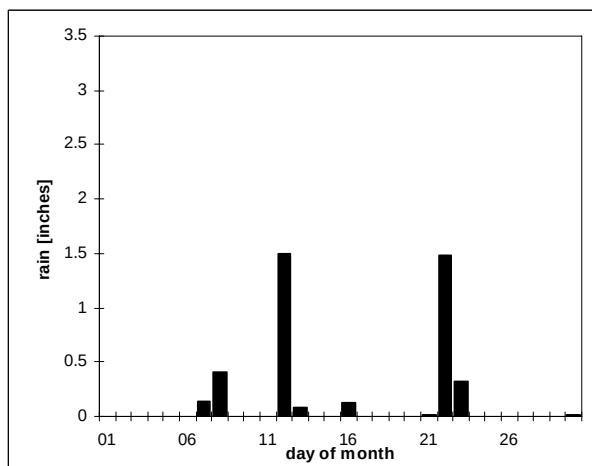
September 2006



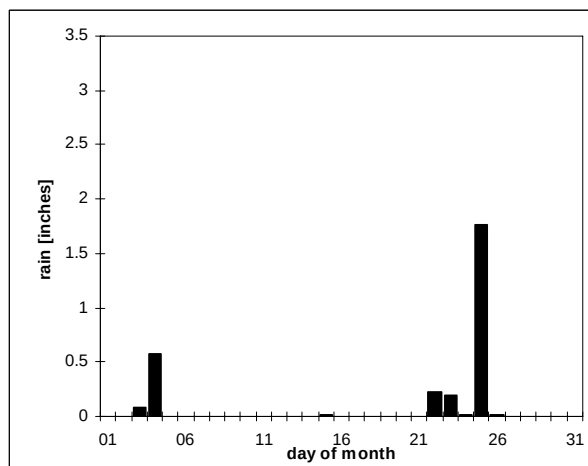
October 2006



November 2006

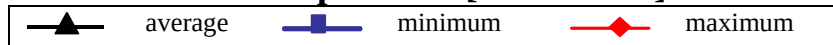


December 2006

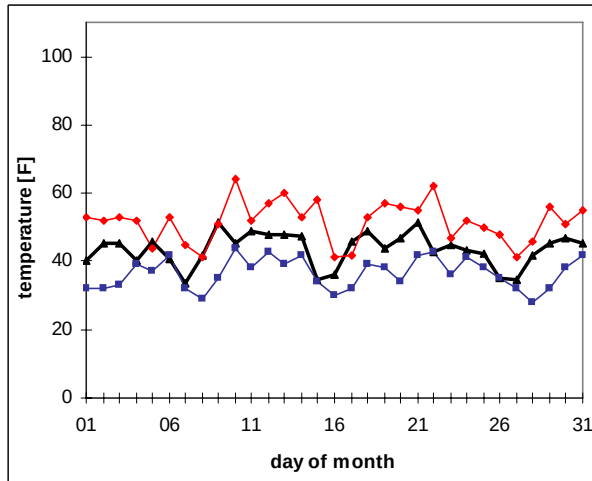


# Assateague Island National Seashore — 2006

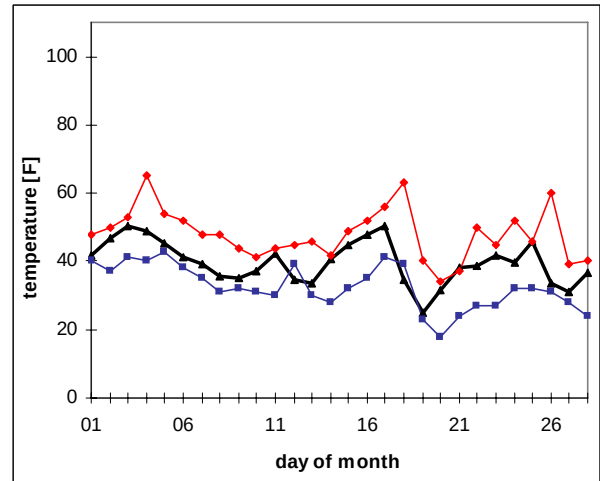
## Air Temperature [Fahrenheit]



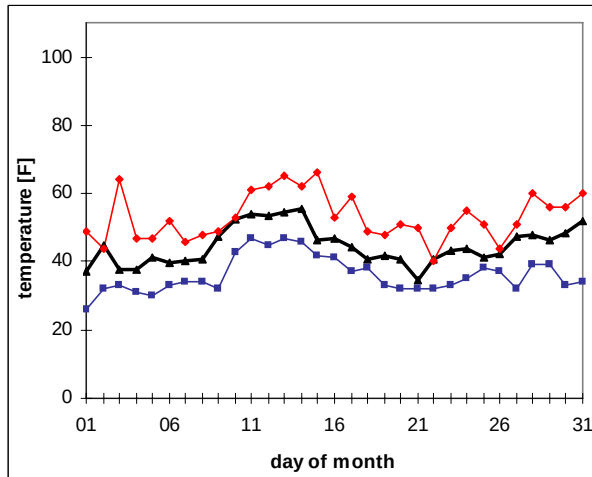
January 2006



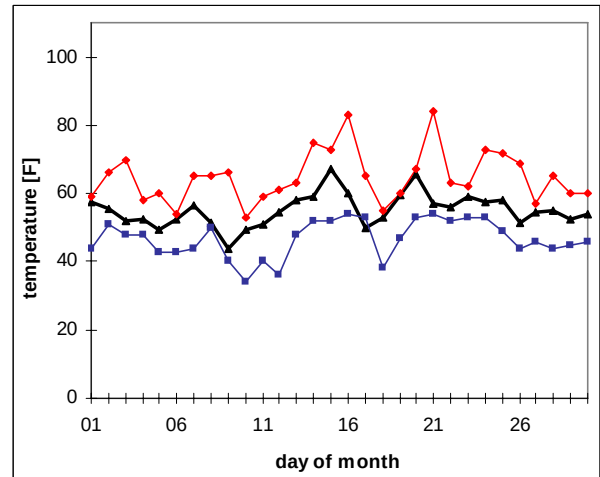
February 2006



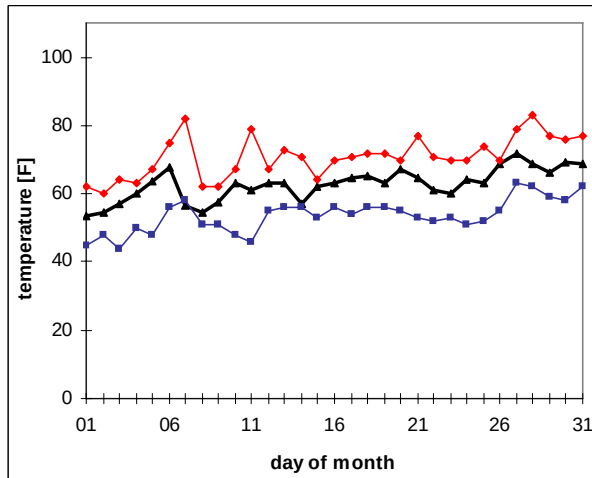
March 2006



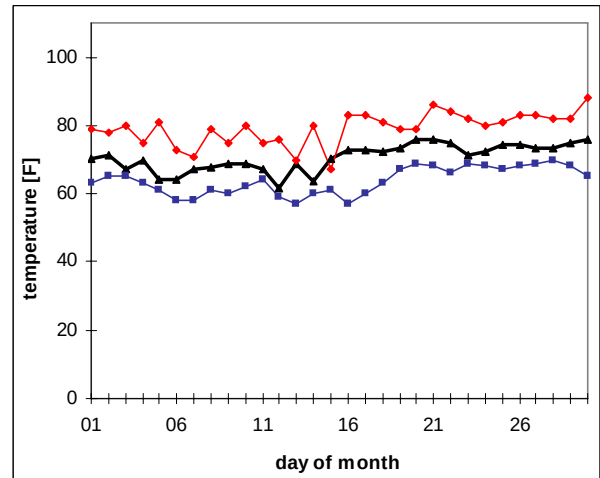
April 2006



May 2006

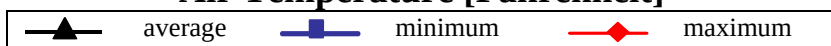


June 2006

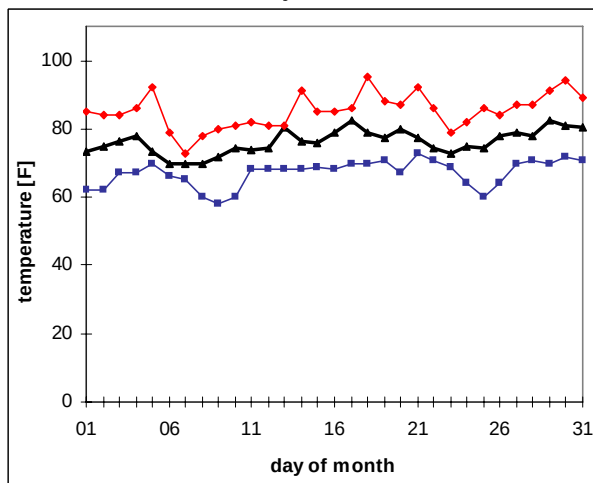


# Assateague Island National Seashore — 2006

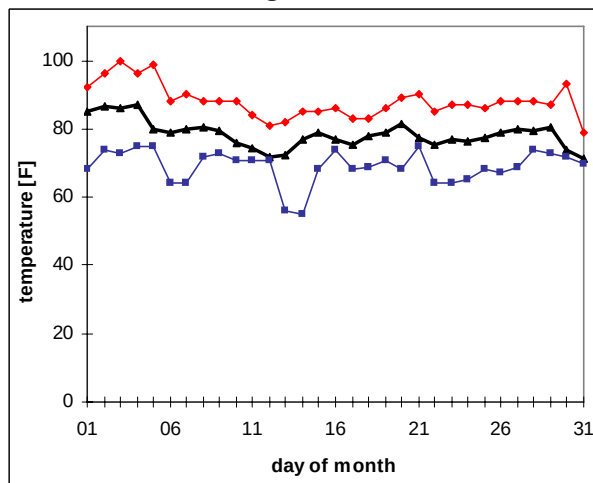
## Air Temperature [Fahrenheit]



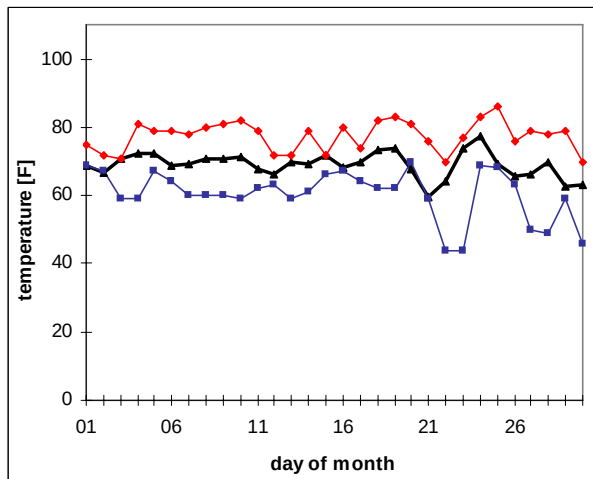
July 2006



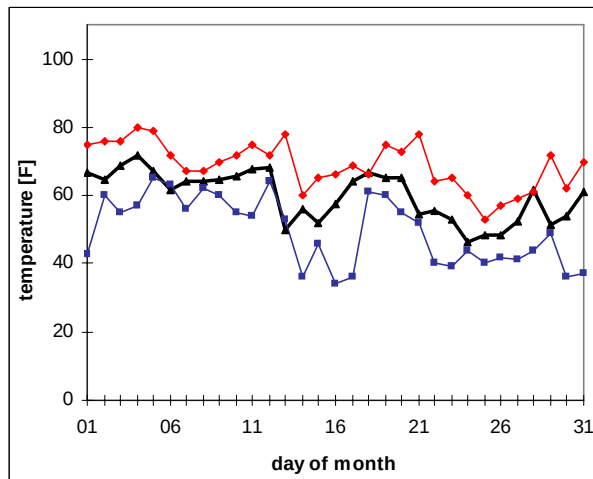
August 2006



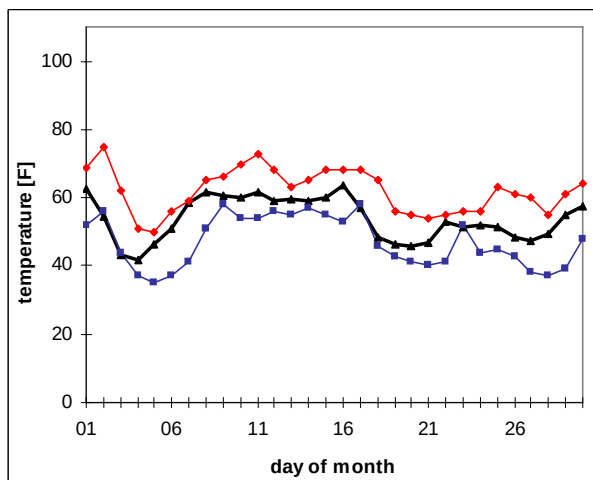
September 2006



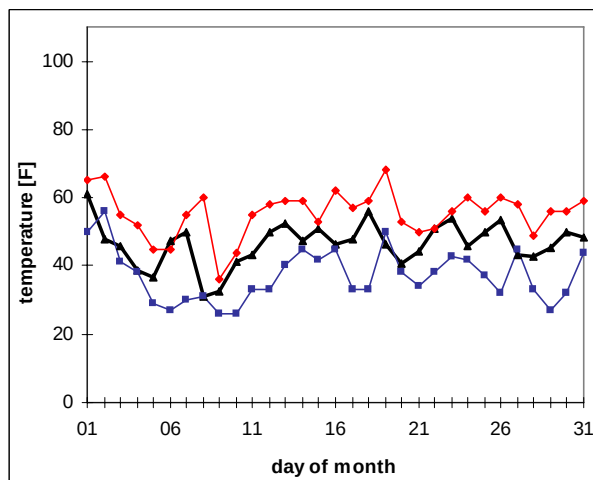
October 2006



November 2006

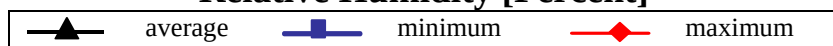


December 2006

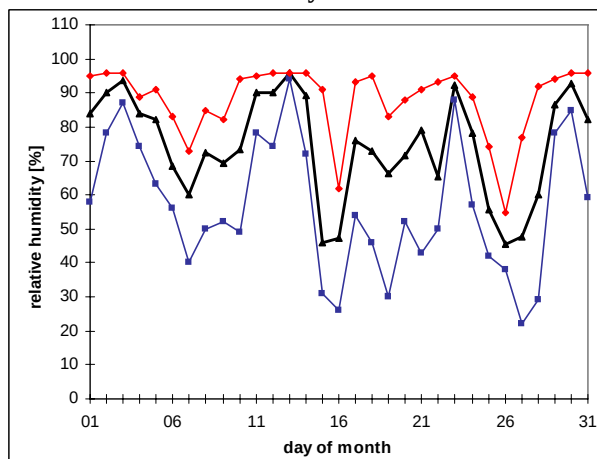


# Assateague Island National Seashore — 2006

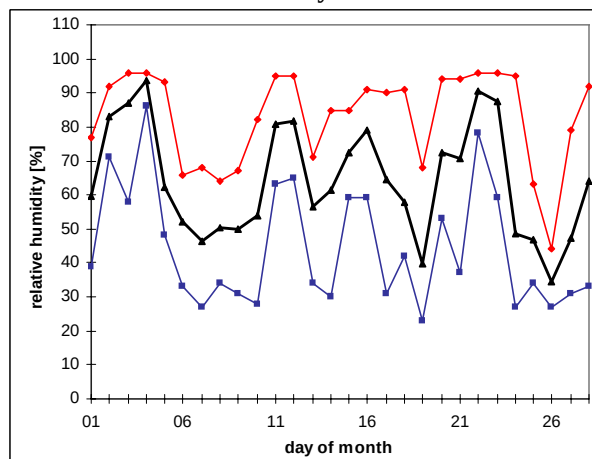
## Relative Humidity [Percent]



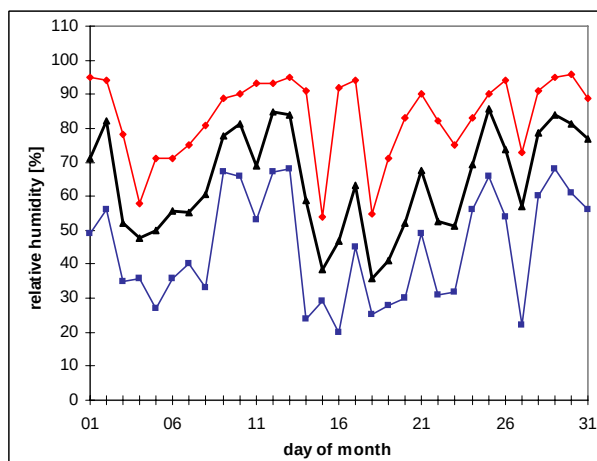
January 2006



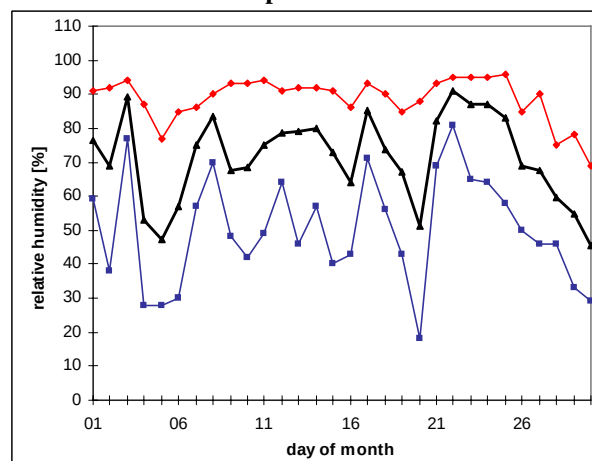
February 2006



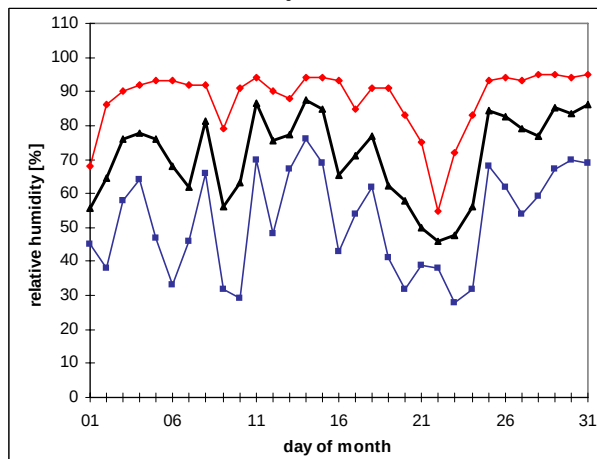
March 2006



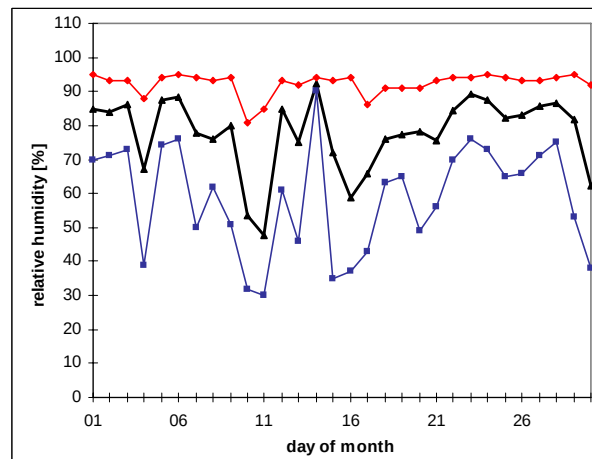
April 2006



May 2006

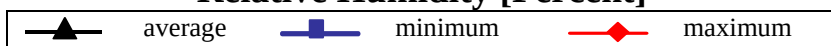


June 2006

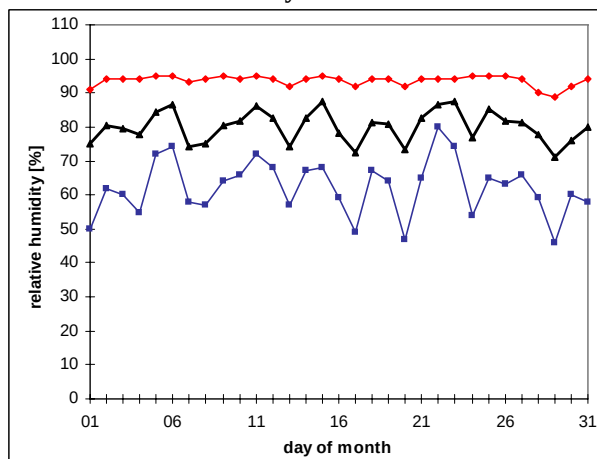


# Assateague Island National Seashore — 2006

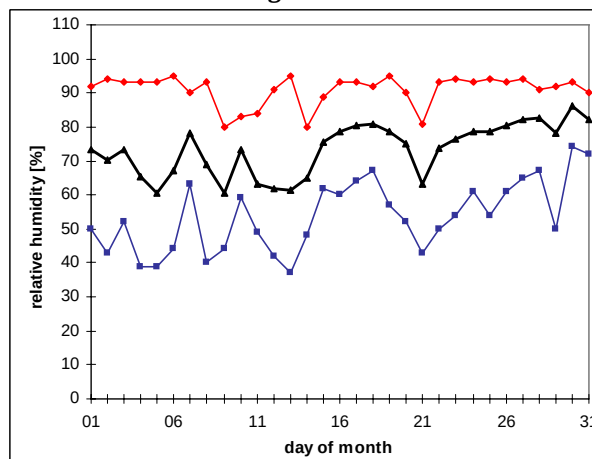
## Relative Humidity [Percent]



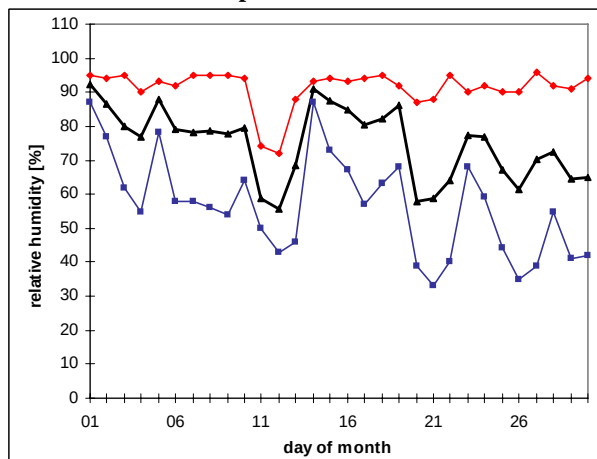
July 2006



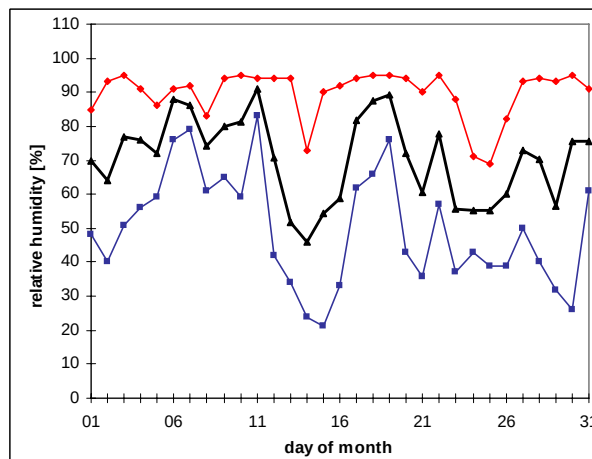
August 2006



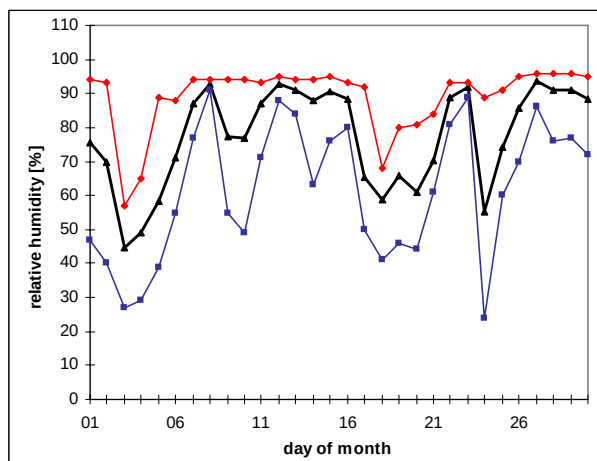
September 2006



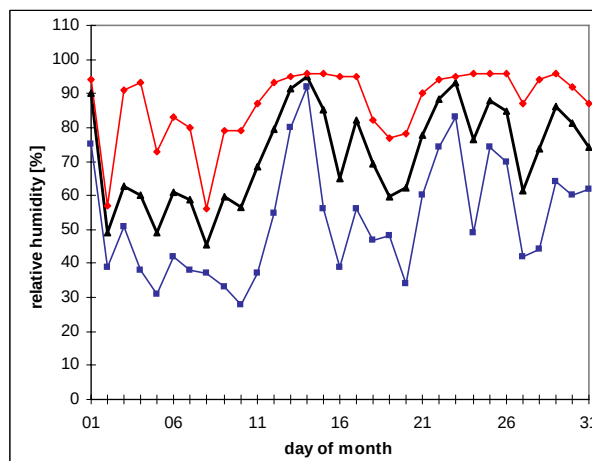
October 2006



November 2006

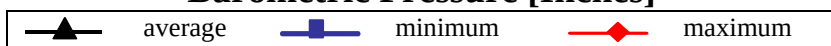


December 2006

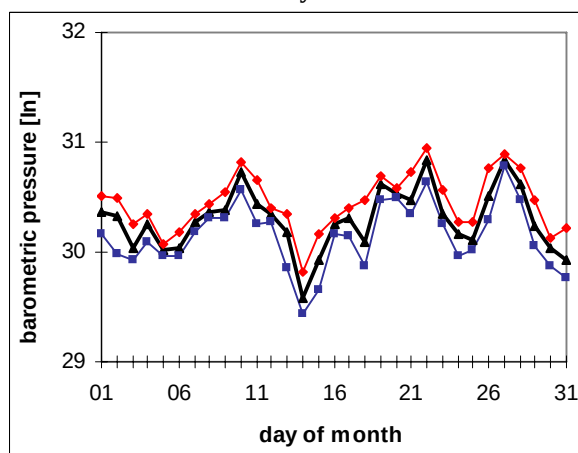


## Assateague Island National Seashore — 2006

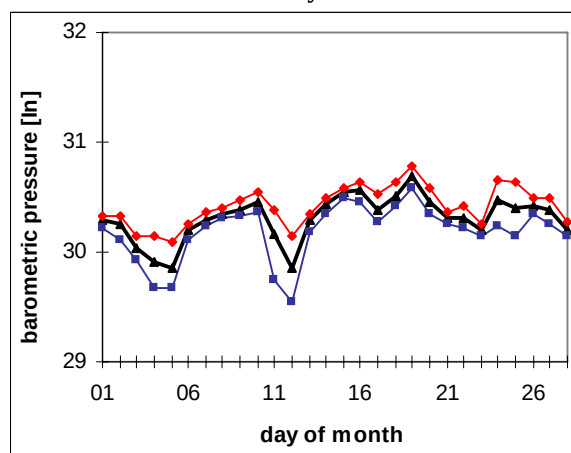
### Barometric Pressure [Inches]



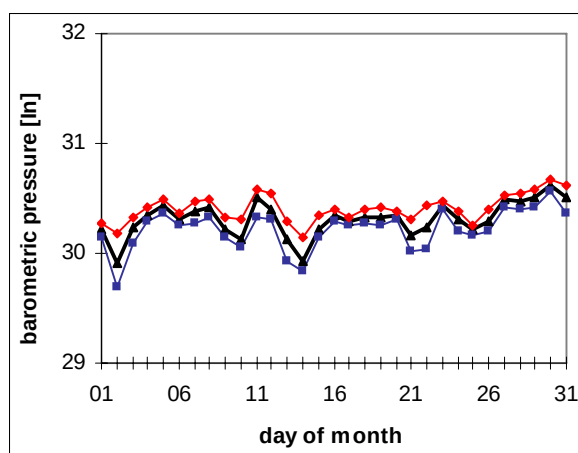
January 2006



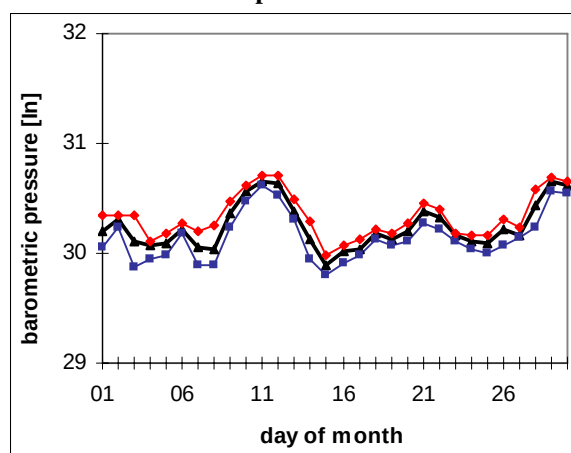
February 2006



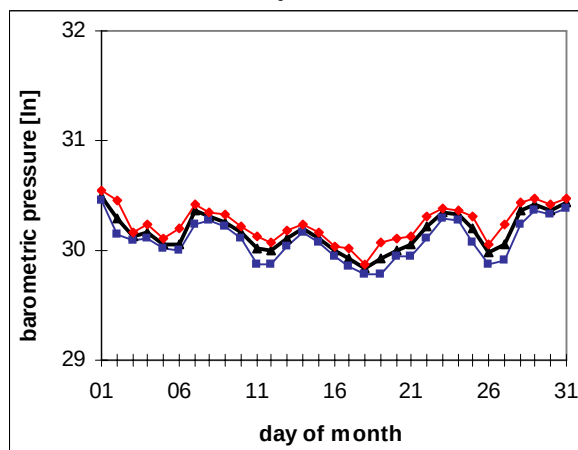
March 2006



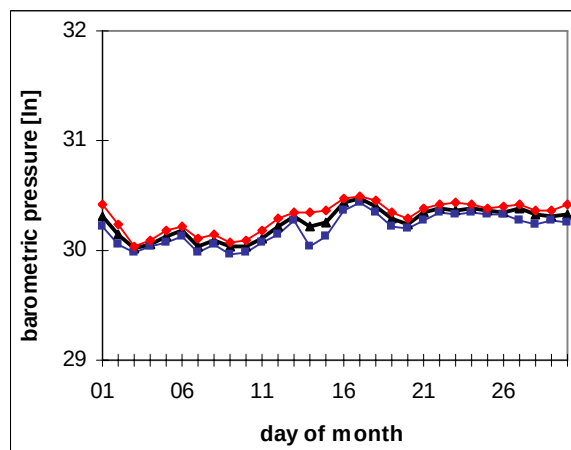
April 2006



May 2006

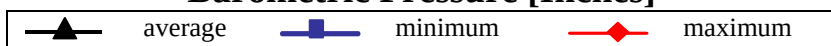


June 2006

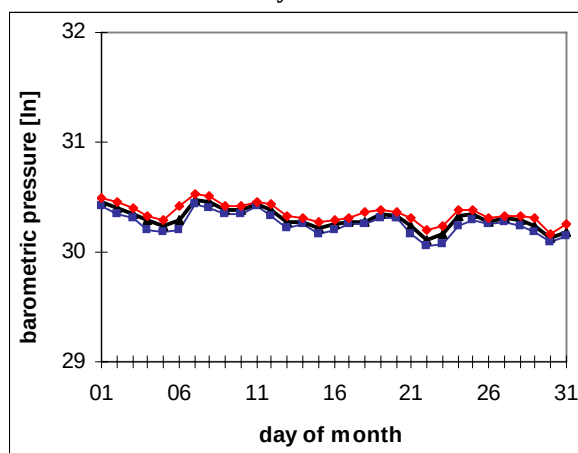


## Assateague Island National Seashore — 2006

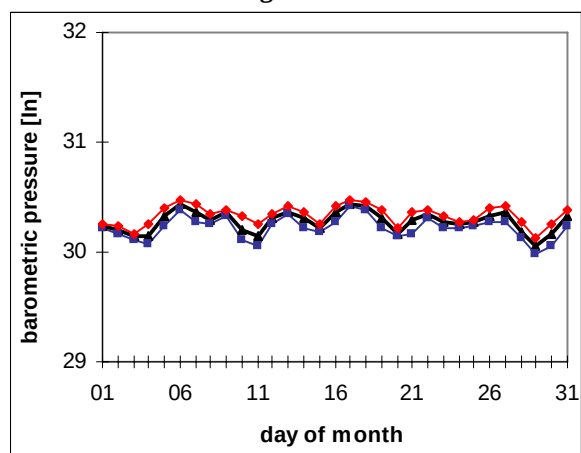
### Barometric Pressure [Inches]



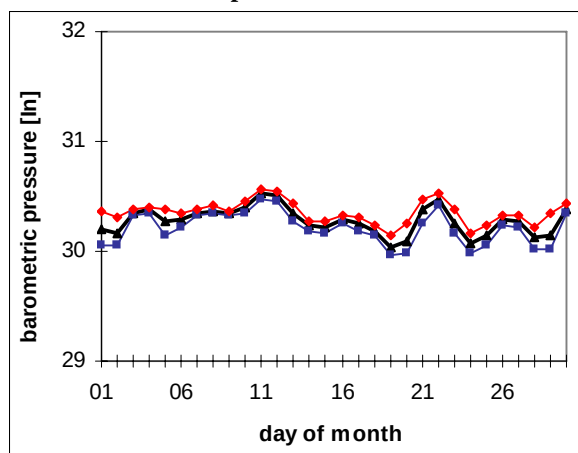
July 2006



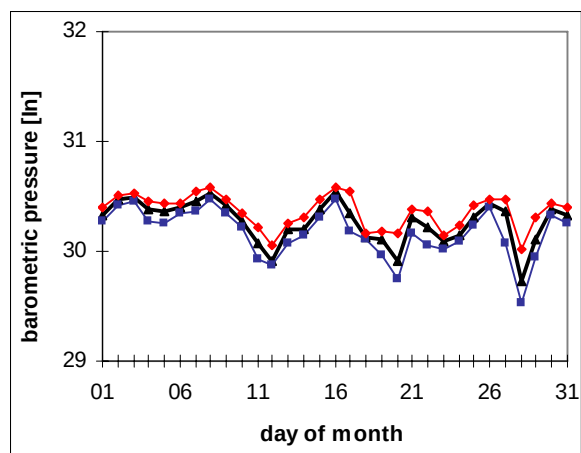
August 2006



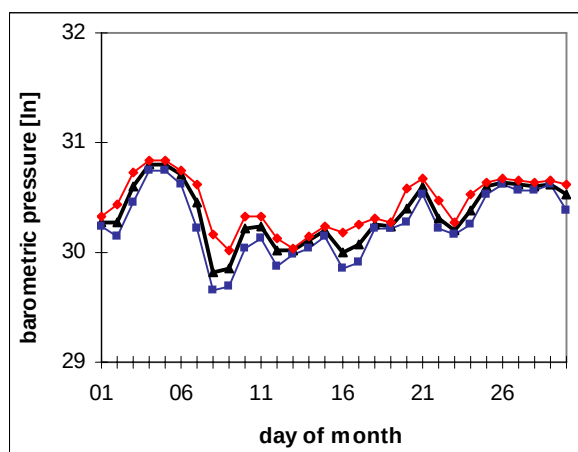
September 2006



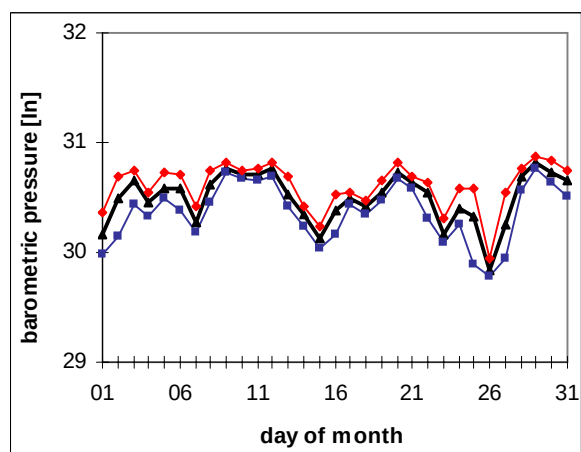
October 2006



November 2006



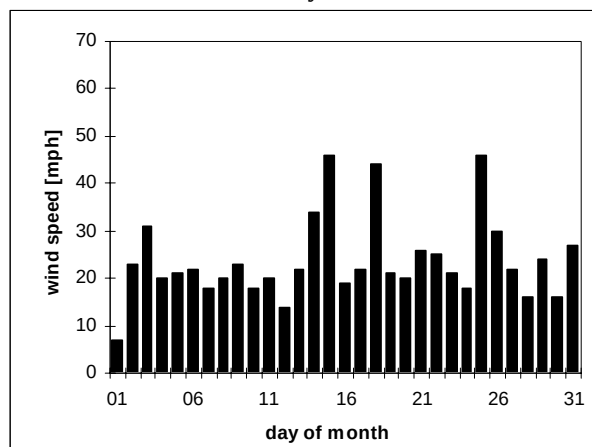
December 2006



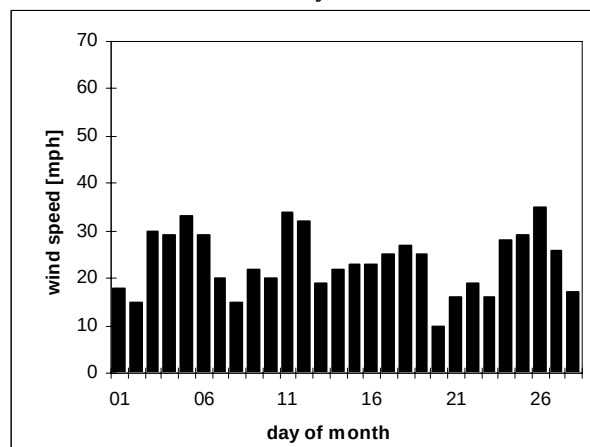
# Assateague Island National Seashore — 2006

## Maximum Wind Gust [MPH]

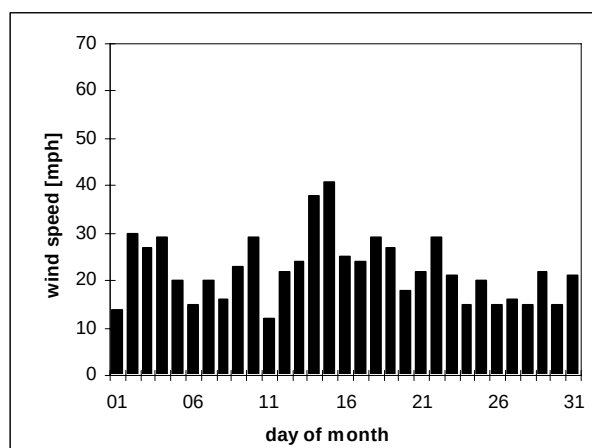
January 2006



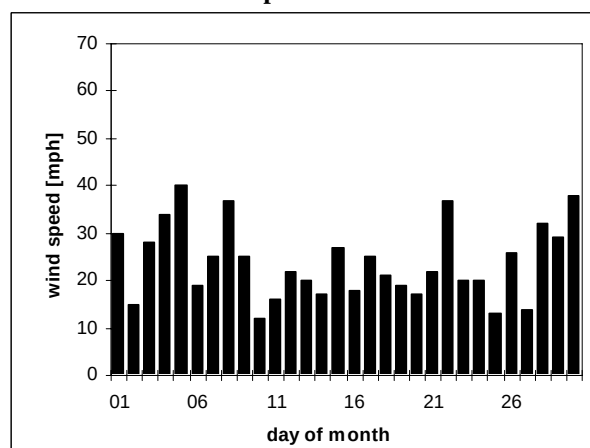
February 2006



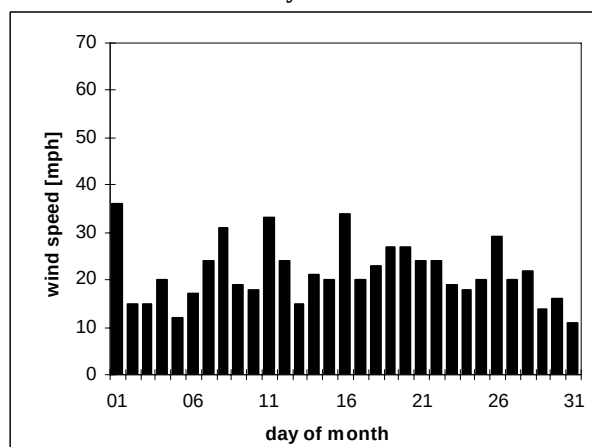
March 2006



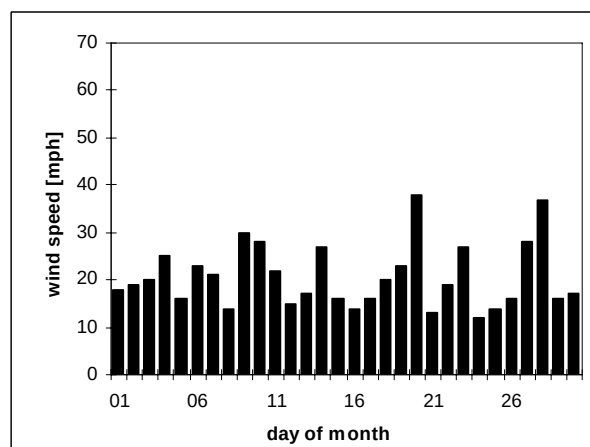
April 2006



May 2006



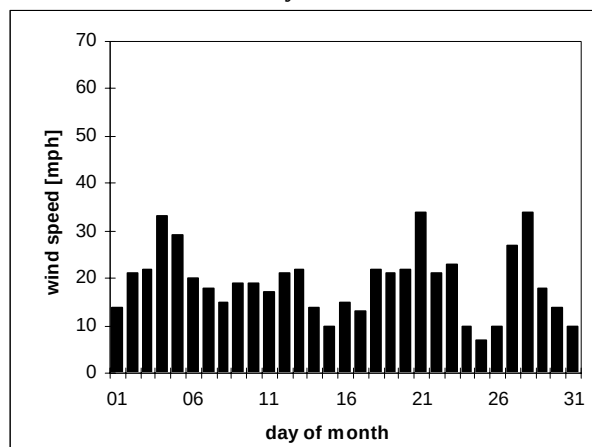
June 2006



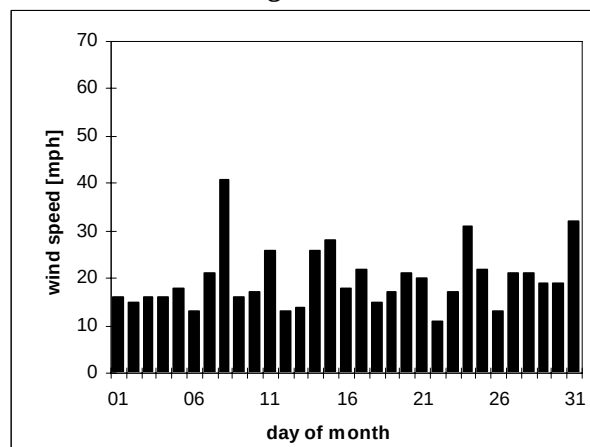
# Assateague Island National Seashore — 2006

## Maximum Wind Gust [MPH]

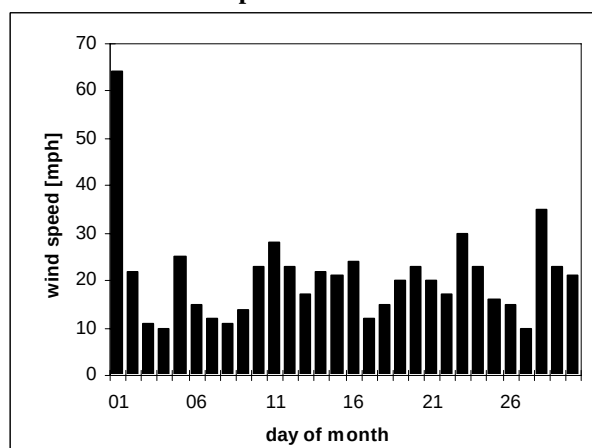
July 2006



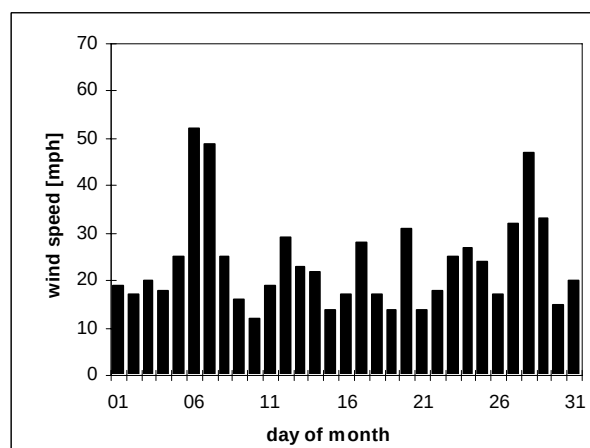
August 2006



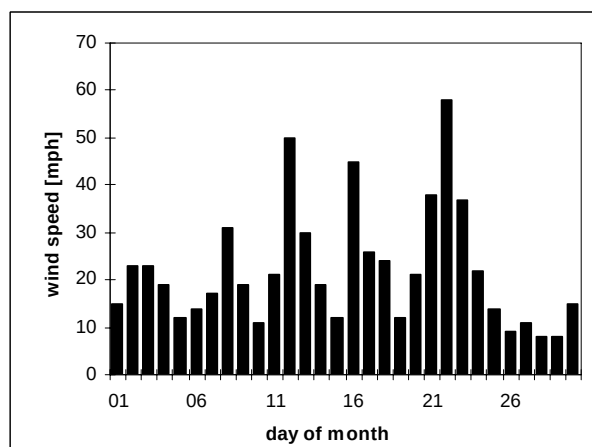
September 2006



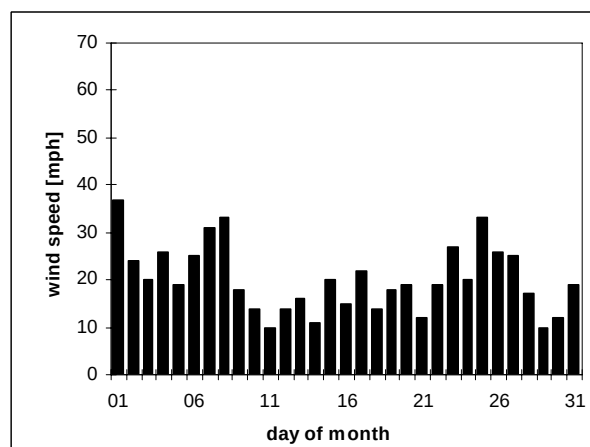
October 2006



November 2006



December 2006



## Appendix B

### Daily Summaries of RAWs Data by Month

# January 2006

|           | Rainfall<br>[Inches] |                      | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 1/1/2006  | 0.00                 | 0.00                 | 40                             | 32  | 53  | 1.3               | 7  | 162 | 84                             | 58  | 95  | 30.36                           | 30.17 | 30.51 | 17.4                     | 14.7 | 38.0                      | 66  |
| 1/2/2006  | 0.77                 | 0.77                 | 45                             | 32  | 52  | 8.1               | 23 | 109 | 90                             | 78  | 96  | 30.34                           | 29.99 | 30.50 | 24.0                     | 16.9 | 43.9                      | 53  |
| 1/3/2006  | 0.38                 | 1.15                 | 46                             | 33  | 53  | 7.2               | 31 | 165 | 94                             | 87  | 96  | 30.03                           | 29.92 | 30.25 | 44.3                     | 40.1 | 46.1                      | 52  |
| 1/4/2006  | 0.00                 | 1.15                 | 40                             | 39  | 52  | 5.7               | 20 | 183 | 84                             | 74  | 89  | 30.25                           | 30.09 | 30.35 | 26.7                     | 18.9 | 41.5                      | 48  |
| 1/5/2006  | 0.00                 | 1.15                 | 46                             | 37  | 44  | 4.4               | 21 | 216 | 82                             | 63  | 91  | 30.02                           | 29.97 | 30.07 | 18.2                     | 16.1 | 48.0                      | 67  |
| 1/6/2006  | 0.01                 | 1.16                 | 41                             | 42  | 53  | 7.0               | 22 | 336 | 68                             | 56  | 83  | 30.03                           | 29.97 | 30.19 | 17.6                     | 15.2 | 41.2                      | 48  |
| 1/7/2006  | 0.00                 | 1.16                 | 34                             | 32  | 45  | 5.7               | 18 | 284 | 60                             | 40  | 73  | 30.28                           | 30.19 | 30.35 | 14.6                     | 13.3 | 34.3                      | 57  |
| 1/8/2006  | 0.00                 | 1.16                 | 42                             | 29  | 41  | 8.0               | 20 | 205 | 73                             | 50  | 85  | 30.36                           | 30.30 | 30.43 | 14.8                     | 13.2 | 42.6                      | 65  |
| 1/9/2006  | 0.00                 | 1.16                 | 52                             | 35  | 51  | 7.8               | 23 | 225 | 69                             | 52  | 82  | 30.38                           | 30.30 | 30.54 | 14.5                     | 12.4 | 52.3                      | 76  |
| 1/10/2006 | 0.00                 | 1.16                 | 45                             | 44  | 64  | 5.8               | 18 | 48  | 73                             | 49  | 94  | 30.72                           | 30.56 | 30.81 | 14.6                     | 12.7 | 45.9                      | 62  |
| 1/11/2006 | 0.02                 | 1.18                 | 49                             | 38  | 52  | 5.9               | 20 | 158 | 90                             | 78  | 95  | 30.45                           | 30.26 | 30.65 | 20.8                     | 14.4 | 50.7                      | 69  |
| 1/12/2006 | 0.00                 | 1.18                 | 48                             | 43  | 57  | 4.1               | 14 | 192 | 90                             | 74  | 96  | 30.34                           | 30.27 | 30.40 | 28.4                     | 16.6 | 50.0                      | 69  |
| 1/13/2006 | 0.16                 | 1.34                 | 48                             | 39  | 60  | 6.3               | 22 | 179 | 96                             | 94  | 96  | 30.19                           | 29.86 | 30.35 | 23.5                     | 17.7 | 49.9                      | 60  |
| 1/14/2006 | 0.79                 | 2.13                 | 47                             | 42  | 53  | 11.2              | 34 | 234 | 89                             | 72  | 96  | 29.58                           | 29.43 | 29.82 | 36.4                     | 18.8 | 48.7                      | 65  |
| 1/15/2006 | 0.01                 | 2.14                 | 35                             | 34  | 58  | 13.9              | 46 | 303 | 46                             | 31  | 91  | 29.94                           | 29.65 | 30.17 | 18.7                     | 14.8 | 36.3                      | 48  |
| 1/16/2006 | 0.00                 | 2.14                 | 36                             | 30  | 41  | 4.6               | 19 | 198 | 47                             | 26  | 62  | 30.25                           | 30.17 | 30.30 | 14.1                     | 13.1 | 38.9                      | 56  |
| 1/17/2006 | 0.00                 | 2.14                 | 46                             | 32  | 42  | 10.2              | 22 | 94  | 76                             | 54  | 93  | 30.30                           | 30.15 | 30.40 | 14.5                     | 13.6 | 47.7                      | 61  |
| 1/18/2006 | 0.63                 | 2.77                 | 49                             | 39  | 53  | 17.3              | 44 | 222 | 73                             | 46  | 95  | 30.10                           | 29.88 | 30.47 | 22.9                     | 15.8 | 49.0                      | 58  |
| 1/19/2006 | 0.00                 | 2.77                 | 44                             | 38  | 57  | 7.4               | 21 | 221 | 66                             | 30  | 83  | 30.61                           | 30.48 | 30.69 | 15.4                     | 13.6 | 44.8                      | 68  |
| 1/20/2006 | 0.00                 | 2.77                 | 47                             | 34  | 56  | 8.4               | 20 | 205 | 72                             | 52  | 88  | 30.54                           | 30.49 | 30.59 | 15.1                     | 13.0 | 48.2                      | 68  |
| 1/21/2006 | 0.00                 | 2.77                 | 51                             | 42  | 55  | 9.6               | 26 | 244 | 79                             | 43  | 91  | 30.47                           | 30.35 | 30.73 | 17.6                     | 14.7 | 51.5                      | 67  |
| 1/22/2006 | 0.12                 | 2.89                 | 43                             | 43  | 62  | 9.5               | 25 | 54  | 65                             | 50  | 93  | 30.83                           | 30.63 | 30.94 | 16.6                     | 13.1 | 44.3                      | 61  |
| 1/23/2006 | 0.06                 | 2.95                 | 45                             | 36  | 47  | 8.2               | 21 | 229 | 92                             | 88  | 95  | 30.34                           | 30.26 | 30.57 | 38.7                     | 27.9 | 45.6                      | 51  |
| 1/24/2006 | 0.01                 | 2.96                 | 44                             | 41  | 52  | 6.8               | 18 | 207 | 78                             | 57  | 89  | 30.16                           | 29.96 | 30.27 | 19.4                     | 15.4 | 46.3                      | 69  |
| 1/25/2006 | 0.00                 | 2.96                 | 42                             | 38  | 50  | 13.6              | 46 | 279 | 56                             | 42  | 74  | 30.11                           | 30.01 | 30.28 | 15.1                     | 13.8 | 42.9                      | 57  |
| 1/26/2006 | 0.00                 | 2.96                 | 35                             | 35  | 48  | 10.0              | 30 | 313 | 45                             | 38  | 55  | 30.51                           | 30.29 | 30.76 | 13.0                     | 12.1 | 37.5                      | 52  |
| 1/27/2006 | 0.00                 | 2.96                 | 35                             | 32  | 41  | 6.2               | 22 | 280 | 48                             | 22  | 77  | 30.84                           | 30.78 | 30.90 | 11.9                     | 10.3 | 36.1                      | 63  |
| 1/28/2006 | 0.00                 | 2.96                 | 42                             | 28  | 46  | 5.7               | 16 | 224 | 60                             | 29  | 92  | 30.62                           | 30.48 | 30.76 | 12.8                     | 10.1 | 42.0                      | 69  |
| 1/29/2006 | 0.00                 | 2.96                 | 45                             | 32  | 56  | 9.1               | 24 | 201 | 87                             | 78  | 94  | 30.24                           | 30.06 | 30.47 | 16.0                     | 14.4 | 44.9                      | 53  |
| 1/30/2006 | 0.00                 | 2.96                 | 47                             | 38  | 51  | 3.1               | 16 | 163 | 93                             | 85  | 96  | 30.04                           | 29.87 | 30.12 | 20.2                     | 15.3 | 48.5                      | 63  |
| 1/31/2006 | 0.00                 | 2.96                 | 45                             | 42  | 55  | 9.0               | 27 | 175 | 82                             | 59  | 96  | 29.93                           | 29.76 | 30.21 | 20.9                     | 15.5 | 45.7                      | 49  |

## Monthly summary:

| Total<br>rain | Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP | Min<br>BP | Max<br>BP | Avg<br>FM | Min<br>FM | Avg<br>FT | Max<br>FT |
|---------------|----------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2.96          | 2.96           | 44          | 28          | 64          | 7.8         | 46          | 204          | 74        | 22        | 96        | 30.3      | 29.43     | 30.94     | 19.95     | 10.1      | 44.62     | 76        |

# February 2006

|           | 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 for year | Avg             | Min | Max | [MPH]     |    |     | Avg               | Min | Max | Avg                 | Min   | Max   | Avg         | Min  | Avg         | Max |
| 2/1/2006  | 0.00     | 2.96           | 42              | 40  | 48  | 5.3       | 18 | 259 | 60                | 39  | 77  | 30.29               | 30.21 | 30.33 | 14.2        | 12.3 | 44.8        | 67  |
| 2/2/2006  | 0.00     | 2.96           | 47              | 37  | 50  | 8.0       | 15 | 165 | 83                | 71  | 92  | 30.26               | 30.11 | 30.32 | 15.7        | 13.0 | 49.7        | 70  |
| 2/3/2006  | 0.01     | 2.97           | 51              | 41  | 53  | 9.2       | 30 | 176 | 87                | 58  | 96  | 30.03               | 29.92 | 30.15 | 21.7        | 14.8 | 51.5        | 74  |
| 2/4/2006  | 0.10     | 3.07           | 49              | 40  | 65  | 11.0      | 29 | 121 | 94                | 86  | 96  | 29.90               | 29.67 | 30.15 | 28.0        | 19.5 | 50.0        | 57  |
| 2/5/2006  | 0.00     | 3.07           | 46              | 43  | 54  | 12.6      | 33 | 249 | 62                | 48  | 93  | 29.86               | 29.68 | 30.09 | 18.4        | 14.2 | 47.6        | 67  |
| 2/6/2006  | 0.00     | 3.07           | 41              | 38  | 52  | 11.8      | 29 | 252 | 52                | 33  | 66  | 30.20               | 30.11 | 30.25 | 13.4        | 12.2 | 42.8        | 60  |
| 2/7/2006  | 0.00     | 3.07           | 39              | 35  | 48  | 5.7       | 20 | 301 | 46                | 27  | 68  | 30.28               | 30.23 | 30.36 | 12.3        | 10.6 | 40.3        | 62  |
| 2/8/2006  | 0.00     | 3.07           | 36              | 31  | 48  | 5.3       | 15 | 302 | 51                | 34  | 64  | 30.35               | 30.30 | 30.40 | 11.6        | 10.3 | 38.6        | 62  |
| 2/9/2006  | 0.00     | 3.07           | 35              | 32  | 44  | 6.0       | 22 | 291 | 50                | 31  | 67  | 30.38               | 30.32 | 30.48 | 11.2        | 10.2 | 37.3        | 55  |
| 2/10/2006 | 0.00     | 3.07           | 37              | 31  | 41  | 6.5       | 20 | 244 | 54                | 28  | 82  | 30.46               | 30.37 | 30.54 | 11.4        | 9.9  | 38.5        | 62  |
| 2/11/2006 | 0.47     | 3.54           | 42              | 30  | 44  | 10.6      | 34 | 108 | 81                | 63  | 95  | 30.17               | 29.75 | 30.38 | 24.0        | 13.3 | 42.8        | 47  |
| 2/12/2006 | 0.05     | 3.59           | 35              | 39  | 45  | 11.5      | 32 | 278 | 82                | 65  | 95  | 29.86               | 29.55 | 30.15 | 29.9        | 18.6 | 35.6        | 47  |
| 2/13/2006 | 0.00     | 3.59           | 34              | 30  | 46  | 6.5       | 19 | 268 | 57                | 34  | 71  | 30.30               | 30.18 | 30.35 | 16.2        | 14.4 | 36.1        | 59  |
| 2/14/2006 | 0.00     | 3.59           | 41              | 28  | 42  | 8.4       | 22 | 220 | 62                | 30  | 85  | 30.43               | 30.34 | 30.50 | 14.3        | 12.6 | 43.2        | 67  |
| 2/15/2006 | 0.00     | 3.59           | 45              | 32  | 49  | 8.0       | 23 | 206 | 72                | 59  | 85  | 30.54               | 30.50 | 30.59 | 14.7        | 12.5 | 47.0        | 68  |
| 2/16/2006 | 0.00     | 3.59           | 48              | 35  | 52  | 8.3       | 23 | 200 | 79                | 59  | 91  | 30.56               | 30.46 | 30.63 | 15.5        | 12.3 | 51.1        | 73  |
| 2/17/2006 | 0.00     | 3.59           | 51              | 41  | 56  | 10.7      | 25 | 265 | 64                | 31  | 90  | 30.39               | 30.28 | 30.52 | 15.1        | 12.4 | 51.4        | 72  |
| 2/18/2006 | 0.02     | 3.61           | 35              | 39  | 63  | 7.3       | 27 | 306 | 58                | 42  | 91  | 30.51               | 30.42 | 30.63 | 15.6        | 12.4 | 34.6        | 41  |
| 2/19/2006 | 0.00     | 3.61           | 25              | 23  | 40  | 7.1       | 25 | 282 | 40                | 23  | 68  | 30.69               | 30.59 | 30.78 | 12.8        | 11.3 | 29.2        | 54  |
| 2/20/2006 | 0.00     | 3.61           | 32              | 18  | 34  | 2.8       | 10 | 234 | 72                | 53  | 94  | 30.45               | 30.34 | 30.58 | 13.5        | 12.7 | 31.9        | 45  |
| 2/21/2006 | 0.00     | 3.61           | 38              | 24  | 37  | 4.0       | 16 | 255 | 71                | 37  | 94  | 30.31               | 30.26 | 30.37 | 14.1        | 11.7 | 39.7        | 70  |
| 2/22/2006 | 0.02     | 3.63           | 39              | 27  | 50  | 5.7       | 19 | 93  | 90                | 78  | 96  | 30.31               | 30.22 | 30.41 | 23.1        | 14.4 | 38.3        | 50  |
| 2/23/2006 | 0.01     | 3.64           | 42              | 27  | 45  | 3.5       | 16 | 206 | 87                | 59  | 96  | 30.20               | 30.15 | 30.26 | 24.8        | 15.9 | 42.0        | 65  |
| 2/24/2006 | 0.00     | 3.64           | 40              | 32  | 52  | 9.0       | 28 | 272 | 49                | 27  | 95  | 30.47               | 30.24 | 30.66 | 15.1        | 12.6 | 41.8        | 61  |
| 2/25/2006 | 0.00     | 3.64           | 46              | 32  | 46  | 10.8      | 29 | 188 | 47                | 34  | 63  | 30.39               | 30.15 | 30.64 | 12.1        | 11.0 | 48.9        | 72  |
| 2/26/2006 | 0.00     | 3.64           | 34              | 31  | 60  | 11.3      | 35 | 310 | 35                | 27  | 44  | 30.42               | 30.35 | 30.49 | 10.5        | 9.9  | 36.8        | 55  |
| 2/27/2006 | 0.00     | 3.64           | 31              | 28  | 39  | 7.2       | 26 | 279 | 47                | 31  | 79  | 30.38               | 30.25 | 30.49 | 10.5        | 9.9  | 32.7        | 50  |
| 2/28/2006 | 0.00     | 3.64           | 37              | 24  | 40  | 2.9       | 17 | 253 | 64                | 33  | 92  | 30.20               | 30.14 | 30.27 | 11.7        | 10.0 | 38.1        | 65  |

## 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    |
|-------------------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|--------------|--------------|--------------|--------------|------------|--------------|-----------|
| <b>0.68 3.64</b>  | <b>40</b> | <b>18</b> | <b>65</b> | <b>7.7</b> | <b>35</b> | <b>235</b> | <b>64</b> | <b>23</b> | <b>96</b> | <b>30.31</b> | <b>29.55</b> | <b>30.78</b> | <b>16.12</b> | <b>9.9</b> | <b>41.51</b> | <b>74</b> |

# March 2006

|           | Rainfall<br>[Inches] |                            | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>Total year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 3/1/2006  | 0.00                 | 3.64                       | 37                             | 26  | 49  | 3.8               | 14 | 194 | 71                             | 49  | 95  | 30.22                           | 30.15 | 30.27 | 13.1                     | 11.2 | 38.5                      | 54  |
| 3/2/2006  | 0.16                 | 3.80                       | 45                             | 32  | 44  | 6.5               | 30 | 134 | 82                             | 56  | 94  | 29.92                           | 29.69 | 30.19 | 18.9                     | 11.7 | 46.6                      | 75  |
| 3/3/2006  | 0.00                 | 3.80                       | 38                             | 33  | 64  | 10.1              | 27 | 317 | 52                             | 35  | 78  | 30.24                           | 30.09 | 30.32 | 15.1                     | 12.3 | 41.5                      | 63  |
| 3/4/2006  | 0.00                 | 3.80                       | 38                             | 31  | 47  | 9.6               | 29 | 291 | 48                             | 36  | 58  | 30.35                           | 30.29 | 30.41 | 11.8                     | 10.6 | 41.8                      | 62  |
| 3/5/2006  | 0.00                 | 3.80                       | 41                             | 30  | 47  | 6.1               | 20 | 296 | 50                             | 27  | 71  | 30.43                           | 30.37 | 30.49 | 11.2                     | 9.2  | 44.2                      | 71  |
| 3/6/2006  | 0.00                 | 3.80                       | 40                             | 33  | 52  | 2.9               | 15 | 181 | 56                             | 36  | 71  | 30.31                           | 30.25 | 30.37 | 11.4                     | 10.1 | 42.8                      | 61  |
| 3/7/2006  | 0.00                 | 3.80                       | 40                             | 34  | 46  | 7.1               | 20 | 149 | 55                             | 40  | 75  | 30.38                           | 30.27 | 30.47 | 11.2                     | 9.7  | 44.0                      | 67  |
| 3/8/2006  | 0.00                 | 3.80                       | 41                             | 34  | 48  | 5.9               | 16 | 233 | 61                             | 33  | 81  | 30.42                           | 30.33 | 30.49 | 11.2                     | 8.9  | 45.8                      | 71  |
| 3/9/2006  | 0.00                 | 3.80                       | 48                             | 32  | 49  | 10.9              | 23 | 192 | 78                             | 67  | 89  | 30.23                           | 30.15 | 30.33 | 13.1                     | 11.3 | 50.9                      | 64  |
| 3/10/2006 | 0.00                 | 3.80                       | 53                             | 43  | 53  | 10.9              | 29 | 199 | 81                             | 66  | 90  | 30.13                           | 30.06 | 30.31 | 14.5                     | 11.6 | 56.5                      | 78  |
| 3/11/2006 | 0.00                 | 3.80                       | 54                             | 47  | 61  | 3.8               | 12 | 120 | 69                             | 53  | 93  | 30.51                           | 30.33 | 30.59 | 13.5                     | 10.1 | 58.0                      | 83  |
| 3/12/2006 | 0.00                 | 3.80                       | 54                             | 45  | 62  | 8.3               | 22 | 182 | 85                             | 67  | 93  | 30.39                           | 30.30 | 30.55 | 14.7                     | 12.0 | 58.1                      | 82  |
| 3/13/2006 | 0.00                 | 3.80                       | 54                             | 47  | 65  | 8.7               | 24 | 179 | 84                             | 68  | 95  | 30.14                           | 29.93 | 30.29 | 14.9                     | 11.4 | 59.7                      | 82  |
| 3/14/2006 | 0.00                 | 3.80                       | 55                             | 46  | 62  | 10.4              | 38 | 266 | 59                             | 24  | 91  | 29.93                           | 29.83 | 30.15 | 13.8                     | 10.7 | 57.1                      | 82  |
| 3/15/2006 | 0.00                 | 3.80                       | 47                             | 42  | 66  | 13.5              | 41 | 290 | 38                             | 29  | 54  | 30.22                           | 30.14 | 30.35 | 10.4                     | 9.4  | 49.2                      | 65  |
| 3/16/2006 | 0.00                 | 3.80                       | 47                             | 41  | 53  | 7.0               | 25 | 277 | 47                             | 20  | 92  | 30.35                           | 30.29 | 30.40 | 9.8                      | 8.1  | 49.3                      | 77  |
| 3/17/2006 | 0.00                 | 3.80                       | 44                             | 37  | 59  | 7.6               | 24 | 160 | 63                             | 45  | 94  | 30.29                           | 30.26 | 30.33 | 11.5                     | 9.5  | 46.0                      | 68  |
| 3/18/2006 | 0.00                 | 3.80                       | 41                             | 38  | 49  | 8.0               | 29 | 302 | 36                             | 25  | 55  | 30.33                           | 30.28 | 30.40 | 9.6                      | 8.2  | 44.8                      | 67  |
| 3/19/2006 | 0.00                 | 3.80                       | 42                             | 33  | 48  | 8.3               | 27 | 276 | 41                             | 28  | 71  | 30.33                           | 30.25 | 30.41 | 8.9                      | 7.9  | 45.0                      | 68  |
| 3/20/2006 | 0.00                 | 3.80                       | 41                             | 32  | 51  | 4.7               | 18 | 196 | 52                             | 30  | 83  | 30.35                           | 30.31 | 30.38 | 9.3                      | 7.8  | 45.5                      | 74  |
| 3/21/2006 | 0.00                 | 3.80                       | 35                             | 32  | 50  | 5.5               | 22 | 157 | 68                             | 49  | 90  | 30.16                           | 30.02 | 30.31 | 12.6                     | 10.0 | 36.7                      | 43  |
| 3/22/2006 | 0.00                 | 3.80                       | 41                             | 32  | 40  | 7.9               | 29 | 308 | 53                             | 31  | 82  | 30.24                           | 30.03 | 30.43 | 11.9                     | 9.3  | 45.7                      | 66  |
| 3/23/2006 | 0.00                 | 3.80                       | 43                             | 33  | 50  | 4.8               | 21 | 297 | 51                             | 32  | 75  | 30.44                           | 30.40 | 30.48 | 9.9                      | 8.3  | 46.9                      | 78  |
| 3/24/2006 | 0.00                 | 3.80                       | 44                             | 35  | 55  | 6.6               | 15 | 128 | 69                             | 56  | 83  | 30.30                           | 30.20 | 30.38 | 11.2                     | 9.5  | 48.9                      | 72  |
| 3/25/2006 | 0.12                 | 3.92                       | 41                             | 38  | 51  | 5.6               | 20 | 43  | 86                             | 66  | 90  | 30.21                           | 30.17 | 30.25 | 32.8                     | 12.9 | 42.5                      | 48  |
| 3/26/2006 | 0.00                 | 3.92                       | 42                             | 37  | 44  | 3.8               | 15 | 282 | 74                             | 54  | 94  | 30.30                           | 30.20 | 30.40 | 23.2                     | 15.4 | 44.3                      | 70  |
| 3/27/2006 | 0.00                 | 3.92                       | 47                             | 32  | 51  | 5.1               | 16 | 259 | 57                             | 22  | 73  | 30.49                           | 30.41 | 30.53 | 13.8                     | 11.0 | 52.1                      | 83  |
| 3/28/2006 | 0.00                 | 3.92                       | 48                             | 39  | 60  | 6.0               | 15 | 191 | 79                             | 60  | 91  | 30.48                           | 30.40 | 30.55 | 15.1                     | 11.2 | 52.5                      | 81  |
| 3/29/2006 | 0.01                 | 3.93                       | 46                             | 39  | 56  | 6.0               | 22 | 52  | 84                             | 68  | 95  | 30.50                           | 30.41 | 30.59 | 16.4                     | 12.0 | 49.5                      | 76  |
| 3/30/2006 | 0.00                 | 3.93                       | 49                             | 33  | 56  | 4.5               | 15 | 213 | 81                             | 61  | 96  | 30.61                           | 30.57 | 30.67 | 14.4                     | 10.5 | 52.6                      | 86  |
| 3/31/2006 | 0.00                 | 3.93                       | 52                             | 34  | 60  | 9.0               | 21 | 195 | 77                             | 56  | 89  | 30.51                           | 30.36 | 30.61 | 14.8                     | 10.7 | 57.7                      | 82  |

## Monthly summary:

| Total Annual<br>rain rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP    | Min<br>BP    | Max<br>BP    | Avg<br>FM    | Min<br>FM  | Avg<br>FT    | Max<br>FT |
|---------------------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|--------------|--------------|--------------|--------------|------------|--------------|-----------|
| <b>0.29 3.93</b>          | <b>45</b>   | <b>26</b>   | <b>66</b>   | <b>7.1</b>  | <b>41</b>   | <b>212</b>   | <b>64</b> | <b>20</b> | <b>96</b> | <b>30.31</b> | <b>29.69</b> | <b>30.67</b> | <b>13.68</b> | <b>7.8</b> | <b>48.22</b> | <b>86</b> |

# April 2006

|           | Rainfall<br>[Inches] |                      | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 4/1/2006  | 0.02                 | 3.95                 | 58                             | 44  | 59  | 9.4               | 30 | 231 | 76                             | 59  | 91  | 30.20                           | 30.05 | 30.34 | 17.3                     | 13.0 | 61.2                      | 84  |
| 4/2/2006  | 0.00                 | 3.95                 | 56                             | 51  | 66  | 4.7               | 15 | 240 | 69                             | 38  | 92  | 30.31                           | 30.24 | 30.35 | 13.5                     | 10.0 | 61.2                      | 93  |
| 4/3/2006  | 0.11                 | 4.06                 | 52                             | 48  | 70  | 10.5              | 28 | 173 | 89                             | 77  | 94  | 30.10                           | 29.88 | 30.34 | 22.5                     | 15.0 | 53.6                      | 64  |
| 4/4/2006  | 0.01                 | 4.07                 | 53                             | 48  | 58  | 12.8              | 34 | 257 | 53                             | 28  | 87  | 30.07                           | 29.94 | 30.11 | 20.6                     | 12.0 | 54.6                      | 74  |
| 4/5/2006  | 0.01                 | 4.08                 | 49                             | 43  | 60  | 10.0              | 40 | 285 | 47                             | 28  | 77  | 30.09                           | 29.99 | 30.19 | 13.8                     | 11.0 | 51.8                      | 68  |
| 4/6/2006  | 0.00                 | 4.08                 | 52                             | 43  | 54  | 7.8               | 19 | 249 | 57                             | 30  | 85  | 30.23                           | 30.19 | 30.27 | 11.5                     | 9.0  | 57.5                      | 87  |
| 4/7/2006  | 0.00                 | 4.08                 | 57                             | 44  | 65  | 10.3              | 25 | 200 | 75                             | 57  | 86  | 30.05                           | 29.90 | 30.20 | 14.2                     | 12.0 | 59.7                      | 79  |
| 4/8/2006  | 0.06                 | 4.14                 | 51                             | 50  | 65  | 10.3              | 37 | 124 | 83                             | 70  | 90  | 30.03                           | 29.90 | 30.25 | 21.0                     | 14.0 | 52.8                      | 67  |
| 4/9/2006  | 0.03                 | 4.17                 | 44                             | 40  | 66  | 9.3               | 25 | 80  | 68                             | 48  | 93  | 30.36                           | 30.24 | 30.47 | 21.5                     | 13.0 | 48.1                      | 74  |
| 4/10/2006 | 0.00                 | 4.17                 | 49                             | 34  | 53  | 5.1               | 12 | 173 | 69                             | 42  | 93  | 30.56                           | 30.48 | 30.61 | 14.0                     | 10.0 | 54.5                      | 82  |
| 4/11/2006 | 0.00                 | 4.17                 | 51                             | 40  | 59  | 6.5               | 16 | 174 | 75                             | 49  | 94  | 30.66                           | 30.61 | 30.71 | 14.2                     | 10.0 | 56.0                      | 88  |
| 4/12/2006 | 0.00                 | 4.17                 | 54                             | 36  | 61  | 8.6               | 22 | 171 | 79                             | 64  | 91  | 30.63                           | 30.53 | 30.71 | 14.3                     | 11.0 | 60.3                      | 87  |
| 4/13/2006 | 0.00                 | 4.17                 | 58                             | 48  | 63  | 8.0               | 20 | 204 | 79                             | 46  | 92  | 30.39                           | 30.30 | 30.50 | 14.5                     | 11.0 | 62.5                      | 97  |
| 4/14/2006 | 0.00                 | 4.17                 | 59                             | 52  | 75  | 6.0               | 17 | 207 | 80                             | 57  | 92  | 30.12                           | 29.95 | 30.29 | 15.3                     | 13.0 | 61.8                      | 79  |
| 4/15/2006 | 0.04                 | 4.21                 | 67                             | 52  | 73  | 6.3               | 27 | 238 | 73                             | 40  | 91  | 29.88                           | 29.80 | 29.98 | 22.5                     | 10.0 | 72.0                      | 102 |
| 4/16/2006 | 0.01                 | 4.22                 | 60                             | 54  | 83  | 5.6               | 18 | 197 | 64                             | 43  | 86  | 30.02                           | 29.91 | 30.08 | 13.3                     | 10.0 | 66.1                      | 92  |
| 4/17/2006 | 0.57                 | 4.79                 | 50                             | 53  | 65  | 7.5               | 25 | 151 | 85                             | 71  | 93  | 30.04                           | 29.99 | 30.13 | 40.5                     | 15.0 | 49.2                      | 56  |
| 4/18/2006 | 0.00                 | 4.79                 | 53                             | 38  | 55  | 7.2               | 21 | 192 | 74                             | 56  | 90  | 30.18                           | 30.12 | 30.22 | 21.5                     | 13.0 | 59.1                      | 81  |
| 4/19/2006 | 0.00                 | 4.79                 | 59                             | 47  | 60  | 5.8               | 19 | 223 | 67                             | 43  | 85  | 30.13                           | 30.08 | 30.18 | 13.5                     | 10.0 | 67.1                      | 91  |
| 4/20/2006 | 0.00                 | 4.79                 | 66                             | 53  | 67  | 4.8               | 17 | 264 | 51                             | 18  | 88  | 30.20                           | 30.11 | 30.28 | 10.7                     | 7.0  | 71.9                      | 102 |
| 4/21/2006 | 0.08                 | 4.87                 | 57                             | 54  | 84  | 8.0               | 22 | 119 | 82                             | 69  | 93  | 30.38                           | 30.28 | 30.45 | 20.8                     | 12.0 | 59.5                      | 72  |
| 4/22/2006 | 0.59                 | 5.46                 | 56                             | 52  | 63  | 12.3              | 37 | 135 | 91                             | 81  | 95  | 30.32                           | 30.21 | 30.40 | 41.3                     | 18.0 | 59.1                      | 78  |
| 4/23/2006 | 0.33                 | 5.79                 | 59                             | 53  | 62  | 7.4               | 20 | 179 | 87                             | 65  | 95  | 30.16                           | 30.10 | 30.18 | 33.9                     | 15.0 | 66.0                      | 95  |
| 4/24/2006 | 0.00                 | 5.79                 | 57                             | 53  | 73  | 5.2               | 20 | 177 | 87                             | 64  | 95  | 30.10                           | 30.03 | 30.17 | 26.6                     | 14.0 | 64.8                      | 93  |
| 4/25/2006 | 0.23                 | 6.02                 | 58                             | 49  | 72  | 3.8               | 13 | 142 | 83                             | 58  | 96  | 30.09                           | 30.00 | 30.16 | 17.3                     | 10.0 | 65.8                      | 95  |
| 4/26/2006 | 0.02                 | 6.04                 | 51                             | 44  | 69  | 8.1               | 26 | 86  | 69                             | 50  | 85  | 30.22                           | 30.07 | 30.31 | 21.2                     | 13.0 | 57.2                      | 82  |
| 4/27/2006 | 0.00                 | 6.04                 | 55                             | 46  | 57  | 4.3               | 14 | 105 | 67                             | 46  | 90  | 30.17                           | 30.14 | 30.24 | 13.0                     | 10.0 | 58.9                      | 91  |
| 4/28/2006 | 0.00                 | 6.04                 | 55                             | 44  | 65  | 12.0              | 32 | 76  | 60                             | 46  | 75  | 30.43                           | 30.23 | 30.58 | 11.8                     | 10.0 | 59.0                      | 76  |
| 4/29/2006 | 0.00                 | 6.04                 | 52                             | 45  | 60  | 12.6              | 29 | 33  | 55                             | 33  | 78  | 30.65                           | 30.57 | 30.69 | 11.2                     | 9.0  | 57.3                      | 80  |
| 4/30/2006 | 0.00                 | 6.04                 | 54                             | 46  | 60  | 14.8              | 38 | 40  | 46                             | 29  | 69  | 30.61                           | 30.54 | 30.66 | 9.7                      | 8.0  | 58.2                      | 78  |

## Monthly summary:

| Total Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP | Min<br>BP | Max<br>BP | Avg<br>FM | Min<br>FM | Avg<br>FT | Max<br>FT |
|----------------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2.11 6.04            | 55          | 34          | 84          | 8.2         | 40          | 171          | 71        | 18        | 96        | 30.25     | 29.8      | 30.71     | 18.57     | 7         | 59.55     | 102       |

# May 2006

|           | Rainfall<br>[Inches] |                            | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>Total year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 5/1/2006  | 0.00                 | 6.04                       | 53                             | 45  | 62  | 15.8              | 36 | 39  | 56                             | 45  | 68  | 30.50                           | 30.45 | 30.55 | 9.8                      | 9.0  | 57.1                      | 72  |
| 5/2/2006  | 0.00                 | 6.04                       | 55                             | 48  | 60  | 6.8               | 15 | 190 | 65                             | 38  | 86  | 30.29                           | 30.15 | 30.45 | 11.0                     | 8.0  | 63.0                      | 92  |
| 5/3/2006  | 0.00                 | 6.04                       | 57                             | 44  | 64  | 5.1               | 15 | 143 | 76                             | 58  | 90  | 30.12                           | 30.09 | 30.17 | 12.8                     | 9.0  | 63.7                      | 89  |
| 5/4/2006  | 0.00                 | 6.04                       | 60                             | 50  | 63  | 6.3               | 20 | 192 | 78                             | 64  | 92  | 30.16                           | 30.10 | 30.24 | 13.2                     | 9.0  | 67.5                      | 95  |
| 5/5/2006  | 0.00                 | 6.04                       | 64                             | 48  | 67  | 3.2               | 12 | 187 | 76                             | 47  | 93  | 30.06                           | 30.01 | 30.10 | 13.9                     | 11.0 | 69.0                      | 89  |
| 5/6/2006  | 0.00                 | 6.04                       | 68                             | 56  | 75  | 4.7               | 17 | 245 | 68                             | 33  | 93  | 30.05                           | 30.00 | 30.20 | 16.0                     | 9.0  | 75.2                      | 99  |
| 5/7/2006  | 0.25                 | 6.29                       | 56                             | 58  | 82  | 11.9              | 24 | 49  | 62                             | 46  | 92  | 30.35                           | 30.23 | 30.42 | 15.7                     | 9.0  | 62.8                      | 85  |
| 5/8/2006  | 0.52                 | 6.81                       | 54                             | 51  | 62  | 15.2              | 31 | 43  | 81                             | 66  | 92  | 30.30                           | 30.28 | 30.35 | 32.7                     | 17.0 | 56.1                      | 75  |
| 5/9/2006  | 0.00                 | 6.81                       | 57                             | 51  | 62  | 7.5               | 19 | 84  | 56                             | 32  | 79  | 30.26                           | 30.21 | 30.32 | 13.6                     | 10.0 | 64.1                      | 90  |
| 5/10/2006 | 0.00                 | 6.81                       | 63                             | 48  | 67  | 6.5               | 18 | 235 | 63                             | 29  | 91  | 30.16                           | 30.10 | 30.21 | 11.7                     | 8.0  | 69.5                      | 99  |
| 5/11/2006 | 0.60                 | 7.41                       | 61                             | 46  | 79  | 10.8              | 33 | 155 | 87                             | 70  | 94  | 30.02                           | 29.87 | 30.12 | 17.8                     | 11.0 | 65.0                      | 84  |
| 5/12/2006 | 0.01                 | 7.42                       | 63                             | 55  | 67  | 7.1               | 24 | 231 | 75                             | 48  | 90  | 30.00                           | 29.88 | 30.07 | 24.4                     | 11.0 | 71.0                      | 100 |
| 5/13/2006 | 0.00                 | 7.42                       | 63                             | 56  | 73  | 6.1               | 15 | 166 | 77                             | 67  | 88  | 30.11                           | 30.04 | 30.18 | 13.8                     | 10.0 | 71.0                      | 98  |
| 5/14/2006 | 0.00                 | 7.42                       | 57                             | 56  | 71  | 11.0              | 21 | 58  | 87                             | 76  | 94  | 30.20                           | 30.17 | 30.24 | 16.1                     | 12.0 | 62.2                      | 82  |
| 5/15/2006 | 0.17                 | 7.59                       | 62                             | 53  | 64  | 7.5               | 20 | 155 | 85                             | 69  | 94  | 30.11                           | 30.08 | 30.16 | 25.4                     | 13.0 | 69.3                      | 93  |
| 5/16/2006 | 0.03                 | 7.62                       | 63                             | 56  | 70  | 8.2               | 34 | 247 | 65                             | 43  | 93  | 29.99                           | 29.95 | 30.03 | 18.3                     | 11.0 | 68.5                      | 93  |
| 5/17/2006 | 0.00                 | 7.62                       | 65                             | 54  | 71  | 8.1               | 20 | 209 | 71                             | 54  | 85  | 29.93                           | 29.86 | 30.01 | 12.8                     | 10.0 | 72.3                      | 96  |
| 5/18/2006 | 0.00                 | 7.62                       | 65                             | 56  | 72  | 9.5               | 23 | 197 | 77                             | 62  | 91  | 29.83                           | 29.79 | 29.87 | 14.5                     | 10.0 | 72.3                      | 94  |
| 5/19/2006 | 0.02                 | 7.64                       | 63                             | 56  | 72  | 10.2              | 27 | 265 | 62                             | 41  | 91  | 29.92                           | 29.78 | 30.07 | 18.0                     | 11.0 | 67.8                      | 89  |
| 5/20/2006 | 0.00                 | 7.64                       | 67                             | 55  | 70  | 6.7               | 27 | 241 | 58                             | 32  | 83  | 30.00                           | 29.94 | 30.11 | 11.4                     | 8.0  | 72.8                      | 100 |
| 5/21/2006 | 0.00                 | 7.64                       | 65                             | 53  | 77  | 7.0               | 24 | 241 | 50                             | 39  | 75  | 30.05                           | 29.95 | 30.13 | 9.7                      | 8.0  | 70.2                      | 94  |
| 5/22/2006 | 0.00                 | 7.64                       | 61                             | 52  | 71  | 8.9               | 24 | 311 | 46                             | 38  | 55  | 30.22                           | 30.10 | 30.30 | 9.0                      | 8.0  | 66.9                      | 89  |
| 5/23/2006 | 0.00                 | 7.64                       | 60                             | 53  | 70  | 5.9               | 19 | 260 | 48                             | 28  | 72  | 30.34                           | 30.29 | 30.39 | 8.6                      | 7.0  | 67.7                      | 95  |
| 5/24/2006 | 0.00                 | 7.64                       | 64                             | 51  | 70  | 6.3               | 18 | 233 | 56                             | 32  | 83  | 30.33                           | 30.28 | 30.37 | 9.3                      | 7.0  | 71.6                      | 101 |
| 5/25/2006 | 0.00                 | 7.64                       | 63                             | 52  | 74  | 6.3               | 20 | 187 | 84                             | 68  | 93  | 30.19                           | 30.07 | 30.30 | 15.5                     | 11.0 | 65.4                      | 85  |
| 5/26/2006 | 0.13                 | 7.77                       | 69                             | 55  | 70  | 9.0               | 29 | 193 | 83                             | 62  | 94  | 29.98                           | 29.88 | 30.06 | 24.8                     | 10.0 | 76.9                      | 102 |
| 5/27/2006 | 0.00                 | 7.77                       | 72                             | 63  | 79  | 4.7               | 20 | 202 | 79                             | 54  | 93  | 30.05                           | 29.91 | 30.23 | 27.3                     | 13.0 | 78.0                      | 104 |
| 5/28/2006 | 0.00                 | 7.77                       | 69                             | 62  | 83  | 8.0               | 22 | 70  | 77                             | 59  | 95  | 30.36                           | 30.24 | 30.43 | 13.7                     | 10.0 | 77.0                      | 97  |
| 5/29/2006 | 0.00                 | 7.77                       | 66                             | 59  | 77  | 4.1               | 14 | 152 | 85                             | 67  | 95  | 30.41                           | 30.36 | 30.47 | 15.2                     | 10.0 | 75.1                      | 101 |
| 5/30/2006 | 0.00                 | 7.77                       | 69                             | 58  | 76  | 6.9               | 16 | 181 | 83                             | 70  | 94  | 30.37                           | 30.33 | 30.41 | 15.5                     | 10.0 | 77.2                      | 100 |
| 5/31/2006 | 0.00                 | 7.77                       | 69                             | 62  | 77  | 4.2               | 11 | 143 | 86                             | 69  | 95  | 30.43                           | 30.39 | 30.47 | 15.8                     | 11.0 | 77.2                      | 99  |

## Monthly summary:

| Total Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP    | Min<br>BP    | Max<br>BP    | Avg<br>FM    | Min<br>FM | Avg<br>FT    | Max<br>FT  |
|----------------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|--------------|--------------|--------------|--------------|-----------|--------------|------------|
| <b>1.73 7.77</b>     | <b>63</b>   | <b>44</b>   | <b>83</b>   | <b>7.7</b>  | <b>36</b>   | <b>178</b>   | <b>71</b> | <b>28</b> | <b>95</b> | <b>30.16</b> | <b>29.78</b> | <b>30.55</b> | <b>15.72</b> | <b>7</b>  | <b>69.14</b> | <b>104</b> |

# June 2006

|           | Rainfall<br>[Inches] |                            | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed      DIR |     |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------------|--------------------------------|-----|-----|------------------------|-----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>Total year | Avg                            | Min | Max | Avg                    | Max | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 6/1/2006  | 0.00                 | 7.77                       | 71                             | 63  | 79  | 8.1                    | 18  | 191 | 85                             | 70  | 95  | 30.32                           | 30.22 | 30.41 | 16.8                     | 11.0 | 77.3                      | 101 |
| 6/2/2006  | 0.08                 | 7.85                       | 71                             | 65  | 78  | 7.0                    | 19  | 177 | 84                             | 71  | 93  | 30.15                           | 30.06 | 30.23 | 21.5                     | 12.0 | 78.1                      | 100 |
| 6/3/2006  | 0.38                 | 8.23                       | 67                             | 65  | 80  | 7.4                    | 20  | 239 | 86                             | 73  | 93  | 30.01                           | 29.99 | 30.04 | 34.9                     | 15.0 | 68.3                      | 81  |
| 6/4/2006  | 0.00                 | 8.23                       | 70                             | 63  | 75  | 5.9                    | 25  | 265 | 67                             | 39  | 88  | 30.06                           | 30.03 | 30.09 | 16.9                     | 10.0 | 76.4                      | 103 |
| 6/5/2006  | 0.57                 | 8.80                       | 64                             | 61  | 81  | 3.4                    | 16  | 120 | 87                             | 74  | 94  | 30.13                           | 30.07 | 30.18 | 24.1                     | 15.0 | 67.7                      | 96  |
| 6/6/2006  | 0.06                 | 8.86                       | 64                             | 58  | 73  | 8.0                    | 23  | 43  | 88                             | 76  | 95  | 30.18                           | 30.12 | 30.22 | 22.6                     | 15.0 | 66.2                      | 81  |
| 6/7/2006  | 0.05                 | 8.91                       | 67                             | 58  | 71  | 6.0                    | 21  | 265 | 78                             | 50  | 94  | 30.05                           | 29.99 | 30.10 | 25.6                     | 13.0 | 70.5                      | 97  |
| 6/8/2006  | 0.00                 | 8.91                       | 68                             | 61  | 79  | 4.7                    | 14  | 168 | 76                             | 62  | 93  | 30.09                           | 30.06 | 30.14 | 16.6                     | 11.0 | 75.0                      | 96  |
| 6/9/2006  | 0.13                 | 9.04                       | 69                             | 60  | 75  | 4.8                    | 30  | 157 | 80                             | 51  | 94  | 30.03                           | 29.97 | 30.08 | 22.4                     | 11.0 | 74.9                      | 103 |
| 6/10/2006 | 0.00                 | 9.04                       | 69                             | 62  | 80  | 9.3                    | 28  | 290 | 53                             | 32  | 81  | 30.03                           | 29.99 | 30.09 | 14.8                     | 10.0 | 72.9                      | 90  |
| 6/11/2006 | 0.00                 | 9.04                       | 67                             | 64  | 75  | 7.6                    | 22  | 280 | 48                             | 30  | 85  | 30.11                           | 30.07 | 30.19 | 9.6                      | 8.0  | 72.9                      | 94  |
| 6/12/2006 | 0.88                 | 9.92                       | 62                             | 59  | 76  | 3.1                    | 15  | 147 | 85                             | 61  | 93  | 30.22                           | 30.15 | 30.29 | 29.0                     | 13.0 | 63.4                      | 80  |
| 6/13/2006 | 0.00                 | 9.92                       | 69                             | 57  | 70  | 6.1                    | 17  | 242 | 75                             | 46  | 92  | 30.30                           | 30.27 | 30.35 | 16.5                     | 10.0 | 77.2                      | 106 |
| 6/14/2006 | 1.55                 | 11.4                       | 64                             | 60  | 80  | 9.3                    | 27  | 158 | 93                             | 90  | 94  | 30.21                           | 30.03 | 30.35 | 47.6                     | 18.0 | 64.5                      | 67  |
| 6/15/2006 | 0.00                 | 11.4                       | 70                             | 61  | 67  | 4.2                    | 16  | 238 | 72                             | 35  | 93  | 30.25                           | 30.12 | 30.36 | 28.7                     | 11.0 | 76.4                      | 105 |
| 6/16/2006 | 0.00                 | 11.4                       | 73                             | 57  | 83  | 4.4                    | 14  | 217 | 59                             | 37  | 94  | 30.44                           | 30.36 | 30.48 | 12.2                     | 8.0  | 80.0                      | 108 |
| 6/17/2006 | 0.00                 | 11.4                       | 73                             | 60  | 83  | 6.8                    | 16  | 213 | 66                             | 43  | 86  | 30.47                           | 30.43 | 30.50 | 11.7                     | 8.0  | 79.3                      | 104 |
| 6/18/2006 | 0.00                 | 11.4                       | 72                             | 63  | 81  | 9.8                    | 20  | 197 | 76                             | 63  | 91  | 30.40                           | 30.35 | 30.45 | 12.4                     | 9.0  | 80.3                      | 101 |
| 6/19/2006 | 0.00                 | 11.4                       | 73                             | 67  | 79  | 11.4                   | 23  | 203 | 77                             | 65  | 91  | 30.29                           | 30.21 | 30.35 | 14.0                     | 10.0 | 80.7                      | 99  |
| 6/20/2006 | 0.62                 | 12.0                       | 76                             | 69  | 79  | 4.8                    | 38  | 200 | 78                             | 49  | 91  | 30.23                           | 30.20 | 30.29 | 17.4                     | 11.0 | 81.8                      | 110 |
| 6/21/2006 | 0.00                 | 12.0                       | 76                             | 68  | 86  | 4.4                    | 13  | 162 | 76                             | 56  | 93  | 30.35                           | 30.28 | 30.39 | 15.6                     | 11.0 | 84.0                      | 109 |
| 6/22/2006 | 0.00                 | 12.0                       | 75                             | 66  | 84  | 7.5                    | 19  | 196 | 84                             | 70  | 94  | 30.38                           | 30.34 | 30.42 | 18.6                     | 13.0 | 81.3                      | 102 |
| 6/23/2006 | 1.26                 | 13.3                       | 71                             | 69  | 82  | 7.3                    | 27  | 206 | 89                             | 76  | 94  | 30.37                           | 30.33 | 30.43 | 43.2                     | 16.0 | 73.8                      | 101 |
| 6/24/2006 | 0.00                 | 13.3                       | 73                             | 68  | 80  | 5.6                    | 12  | 177 | 88                             | 73  | 95  | 30.38                           | 30.34 | 30.41 | 32.0                     | 16.0 | 78.4                      | 99  |
| 6/25/2006 | 0.00                 | 13.3                       | 75                             | 67  | 81  | 7.4                    | 14  | 156 | 82                             | 65  | 94  | 30.36                           | 30.33 | 30.39 | 16.9                     | 12.0 | 84.3                      | 111 |
| 6/26/2006 | 0.00                 | 13.3                       | 74                             | 68  | 83  | 9.0                    | 16  | 153 | 83                             | 66  | 93  | 30.35                           | 30.32 | 30.40 | 16.0                     | 12.0 | 82.5                      | 106 |
| 6/27/2006 | 0.43                 | 13.7                       | 73                             | 69  | 83  | 12.0                   | 28  | 143 | 86                             | 71  | 93  | 30.38                           | 30.28 | 30.41 | 23.5                     | 15.0 | 79.0                      | 104 |
| 6/28/2006 | 0.06                 | 13.8                       | 74                             | 70  | 82  | 7.6                    | 37  | 194 | 87                             | 75  | 94  | 30.32                           | 30.24 | 30.36 | 31.1                     | 15.0 | 79.8                      | 100 |
| 6/29/2006 | 0.00                 | 13.8                       | 75                             | 68  | 82  | 4.8                    | 16  | 179 | 82                             | 53  | 95  | 30.32                           | 30.27 | 30.36 | 17.2                     | 12.0 | 82.2                      | 110 |
| 6/30/2006 | 0.00                 | 13.8                       | 76                             | 65  | 88  | 5.6                    | 17  | 261 | 62                             | 38  | 92  | 30.33                           | 30.26 | 30.41 | 13.5                     | 9.0  | 83.3                      | 108 |

## Monthly summary:

| Total Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP    | Min<br>BP    | Max<br>BP   | Avg<br>FM    | Min<br>FM | Avg<br>FT    | Max<br>FT  |
|----------------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|--------------|--------------|-------------|--------------|-----------|--------------|------------|
| <b>6.07    13.84</b> | <b>71</b>   | <b>57</b>   | <b>88</b>   | <b>6.8</b>  | <b>38</b>   | <b>195</b>   | <b>78</b> | <b>30</b> | <b>95</b> | <b>30.25</b> | <b>29.97</b> | <b>30.5</b> | <b>21.42</b> | <b>8</b>  | <b>76.40</b> | <b>111</b> |

# July 2006

|           | Rainfall<br>[Inches] |                            | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>Total year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 7/1/2006  | 0.00                 | 13.8                       | 73                             | 62  | 85  | 5.6               | 14 | 196 | 75                             | 50  | 91  | 30.46                           | 30.42 | 30.50 | 14.0                     | 10.0 | 80.1                      | 104 |
| 7/2/2006  | 0.04                 | 13.8                       | 75                             | 62  | 84  | 8.6               | 21 | 200 | 80                             | 62  | 94  | 30.41                           | 30.34 | 30.46 | 16.9                     | 10.0 | 82.6                      | 104 |
| 7/3/2006  | 0.01                 | 13.8                       | 77                             | 67  | 84  | 4.8               | 22 | 176 | 80                             | 60  | 94  | 30.35                           | 30.31 | 30.40 | 19.5                     | 11.0 | 82.1                      | 105 |
| 7/4/2006  | 0.08                 | 13.9                       | 78                             | 67  | 86  | 7.4               | 33 | 227 | 78                             | 55  | 94  | 30.29                           | 30.20 | 30.33 | 20.5                     | 10.0 | 85.9                      | 107 |
| 7/5/2006  | 2.10                 | 16.0                       | 73                             | 70  | 92  | 7.4               | 29 | 203 | 85                             | 72  | 95  | 30.24                           | 30.18 | 30.29 | 42.3                     | 15.0 | 78.6                      | 97  |
| 7/6/2006  | 0.30                 | 16.3                       | 70                             | 66  | 79  | 6.5               | 20 | 120 | 87                             | 74  | 95  | 30.30                           | 30.20 | 30.42 | 42.1                     | 21.0 | 71.0                      | 82  |
| 7/7/2006  | 0.00                 | 16.3                       | 70                             | 65  | 73  | 6.8               | 18 | 95  | 74                             | 58  | 93  | 30.48                           | 30.43 | 30.52 | 17.3                     | 13.0 | 75.1                      | 100 |
| 7/8/2006  | 0.00                 | 16.3                       | 70                             | 60  | 78  | 4.3               | 15 | 91  | 75                             | 57  | 94  | 30.45                           | 30.40 | 30.51 | 14.8                     | 10.0 | 74.1                      | 101 |
| 7/9/2006  | 0.00                 | 16.3                       | 72                             | 58  | 80  | 7.3               | 19 | 194 | 80                             | 64  | 95  | 30.38                           | 30.34 | 30.42 | 14.5                     | 10.0 | 77.9                      | 103 |
| 7/10/2006 | 0.00                 | 16.3                       | 74                             | 60  | 81  | 7.5               | 19 | 191 | 82                             | 66  | 94  | 30.38                           | 30.35 | 30.41 | 15.8                     | 10.0 | 81.7                      | 104 |
| 7/11/2006 | 0.00                 | 16.3                       | 74                             | 68  | 82  | 7.1               | 17 | 197 | 86                             | 72  | 95  | 30.43                           | 30.41 | 30.45 | 16.1                     | 10.0 | 81.4                      | 103 |
| 7/12/2006 | 0.00                 | 16.3                       | 75                             | 68  | 81  | 8.4               | 21 | 199 | 83                             | 68  | 94  | 30.38                           | 30.32 | 30.43 | 15.0                     | 10.0 | 82.5                      | 103 |
| 7/13/2006 | 0.00                 | 16.3                       | 80                             | 68  | 81  | 7.5               | 22 | 243 | 74                             | 57  | 92  | 30.27                           | 30.22 | 30.32 | 13.4                     | 10.0 | 85.3                      | 109 |
| 7/14/2006 | 0.00                 | 16.3                       | 77                             | 68  | 91  | 4.0               | 14 | 167 | 83                             | 67  | 94  | 30.28                           | 30.26 | 30.30 | 14.0                     | 10.0 | 83.0                      | 104 |
| 7/15/2006 | 0.08                 | 16.4                       | 76                             | 69  | 85  | 1.8               | 10 | 129 | 88                             | 68  | 95  | 30.22                           | 30.17 | 30.27 | 23.5                     | 10.0 | 80.1                      | 104 |
| 7/16/2006 | 0.00                 | 16.4                       | 79                             | 68  | 85  | 4.0               | 15 | 149 | 78                             | 59  | 94  | 30.25                           | 30.20 | 30.29 | 20.3                     | 9.0  | 86.8                      | 112 |
| 7/17/2006 | 0.00                 | 16.4                       | 82                             | 70  | 86  | 3.9               | 13 | 240 | 72                             | 49  | 92  | 30.27                           | 30.25 | 30.30 | 12.8                     | 8.0  | 90.1                      | 118 |
| 7/18/2006 | 0.00                 | 16.4                       | 79                             | 70  | 95  | 5.8               | 22 | 199 | 81                             | 67  | 94  | 30.28                           | 30.26 | 30.36 | 14.1                     | 9.0  | 87.5                      | 110 |
| 7/19/2006 | 0.00                 | 16.4                       | 77                             | 71  | 88  | 6.2               | 21 | 67  | 81                             | 64  | 94  | 30.35                           | 30.30 | 30.38 | 13.6                     | 9.0  | 85.0                      | 110 |
| 7/20/2006 | 0.00                 | 16.4                       | 80                             | 67  | 87  | 7.5               | 22 | 284 | 73                             | 47  | 92  | 30.33                           | 30.30 | 30.37 | 13.0                     | 8.0  | 88.5                      | 114 |
| 7/21/2006 | 0.63                 | 17.0                       | 78                             | 73  | 92  | 8.4               | 34 | 198 | 82                             | 65  | 94  | 30.23                           | 30.17 | 30.31 | 17.7                     | 9.0  | 85.6                      | 109 |
| 7/22/2006 | 0.31                 | 17.3                       | 74                             | 71  | 86  | 9.2               | 21 | 198 | 87                             | 80  | 94  | 30.11                           | 30.05 | 30.20 | 34.5                     | 17.0 | 77.1                      | 85  |
| 7/23/2006 | 0.25                 | 17.6                       | 73                             | 69  | 79  | 2.8               | 23 | 166 | 87                             | 74  | 94  | 30.16                           | 30.08 | 30.24 | 33.1                     | 18.0 | 75.6                      | 92  |
| 7/24/2006 | 0.00                 | 17.6                       | 75                             | 64  | 82  | 2.7               | 10 | 201 | 77                             | 54  | 95  | 30.32                           | 30.24 | 30.38 | 17.5                     | 9.0  | 80.6                      | 109 |
| 7/25/2006 | 0.00                 | 17.6                       | 74                             | 60  | 86  | 2.0               | 7  | 109 | 85                             | 65  | 95  | 30.34                           | 30.29 | 30.38 | 15.4                     | 11.0 | 78.5                      | 102 |
| 7/26/2006 | 0.00                 | 17.6                       | 78                             | 64  | 84  | 4.3               | 10 | 102 | 82                             | 63  | 95  | 30.27                           | 30.25 | 30.30 | 14.9                     | 9.0  | 86.6                      | 112 |
| 7/27/2006 | 0.00                 | 17.6                       | 79                             | 70  | 87  | 7.5               | 27 | 197 | 81                             | 66  | 94  | 30.30                           | 30.28 | 30.32 | 15.3                     | 10.0 | 86.1                      | 108 |
| 7/28/2006 | 0.80                 | 18.4                       | 78                             | 71  | 87  | 8.4               | 34 | 215 | 78                             | 59  | 90  | 30.29                           | 30.23 | 30.32 | 18.5                     | 9.0  | 84.8                      | 113 |
| 7/29/2006 | 0.00                 | 18.4                       | 83                             | 70  | 91  | 6.7               | 18 | 233 | 71                             | 46  | 89  | 30.24                           | 30.18 | 30.30 | 15.0                     | 8.0  | 89.4                      | 116 |
| 7/30/2006 | 0.00                 | 18.4                       | 81                             | 72  | 94  | 5.0               | 14 | 229 | 76                             | 60  | 92  | 30.13                           | 30.09 | 30.17 | 12.5                     | 9.0  | 88.3                      | 111 |
| 7/31/2006 | 0.00                 | 18.4                       | 80                             | 71  | 89  | 2.8               | 10 | 163 | 80                             | 58  | 94  | 30.19                           | 30.14 | 30.25 | 13.1                     | 8.0  | 88.5                      | 118 |

## Monthly summary:

| Total<br>rain | Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP | Min<br>BP | Max<br>BP | Avg<br>FM | Min<br>FM | Avg<br>FT | Max<br>FT |
|---------------|----------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4.6           | 18.44          | 76          | 58          | 95          | 5.9         | 34          | 180          | 80        | 46        | 95        | 30.30     | 30.05     | 30.52     | 18.74     | 8         | 82.58     | 118       |

# August 2006

|           | Rainfall<br>[Inches] |                            | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>Total year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 8/1/2006  | 0.00                 | 18.4                       | 85                             | 68  | 92  | 5.1               | 16 | 223 | 73                             | 50  | 92  | 30.24                           | 30.22 | 30.26 | 13.3                     | 8.0  | 92.9                      | 117 |
| 8/2/2006  | 0.00                 | 18.4                       | 87                             | 74  | 96  | 4.8               | 15 | 236 | 70                             | 43  | 94  | 30.20                           | 30.16 | 30.24 | 12.5                     | 7.0  | 93.5                      | 122 |
| 8/3/2006  | 0.00                 | 18.4                       | 86                             | 73  | 100 | 6.8               | 16 | 212 | 73                             | 52  | 93  | 30.14                           | 30.10 | 30.16 | 12.5                     | 8.0  | 93.5                      | 118 |
| 8/4/2006  | 0.00                 | 18.4                       | 87                             | 75  | 96  | 5.4               | 16 | 189 | 65                             | 39  | 93  | 30.14                           | 30.08 | 30.25 | 12.3                     | 7.0  | 94.5                      | 123 |
| 8/5/2006  | 0.00                 | 18.4                       | 80                             | 75  | 99  | 6.4               | 18 | 87  | 61                             | 39  | 93  | 30.32                           | 30.24 | 30.40 | 9.6                      | 7.0  | 87.3                      | 112 |
| 8/6/2006  | 0.00                 | 18.4                       | 79                             | 64  | 88  | 4.0               | 13 | 165 | 67                             | 44  | 95  | 30.45                           | 30.39 | 30.48 | 11.0                     | 7.0  | 85.6                      | 115 |
| 8/7/2006  | 0.60                 | 19.0                       | 80                             | 64  | 90  | 8.6               | 21 | 207 | 78                             | 63  | 90  | 30.37                           | 30.27 | 30.44 | 19.5                     | 12.0 | 84.5                      | 106 |
| 8/8/2006  | 0.12                 | 19.1                       | 80                             | 72  | 88  | 4.9               | 41 | 179 | 69                             | 40  | 93  | 30.29                           | 30.25 | 30.34 | 27.2                     | 10.0 | 86.5                      | 111 |
| 8/9/2006  | 0.00                 | 19.1                       | 79                             | 73  | 88  | 7.2               | 16 | 103 | 61                             | 44  | 80  | 30.36                           | 30.32 | 30.39 | 10.5                     | 7.0  | 87.0                      | 111 |
| 8/10/2006 | 0.01                 | 19.1                       | 76                             | 71  | 88  | 4.4               | 17 | 196 | 73                             | 59  | 83  | 30.21                           | 30.11 | 30.32 | 14.5                     | 11.0 | 77.3                      | 93  |
| 8/11/2006 | 0.00                 | 19.1                       | 75                             | 71  | 84  | 9.1               | 26 | 36  | 63                             | 49  | 84  | 30.15                           | 30.06 | 30.26 | 12.0                     | 9.0  | 80.5                      | 100 |
| 8/12/2006 | 0.00                 | 19.1                       | 72                             | 71  | 81  | 4.8               | 13 | 134 | 62                             | 42  | 91  | 30.31                           | 30.25 | 30.34 | 10.3                     | 7.0  | 78.9                      | 108 |
| 8/13/2006 | 0.00                 | 19.1                       | 72                             | 56  | 82  | 4.5               | 14 | 216 | 62                             | 37  | 95  | 30.37                           | 30.34 | 30.41 | 10.6                     | 7.0  | 78.3                      | 109 |
| 8/14/2006 | 0.00                 | 19.1                       | 77                             | 55  | 85  | 10.7              | 26 | 205 | 65                             | 48  | 80  | 30.31                           | 30.22 | 30.37 | 10.9                     | 7.0  | 82.6                      | 105 |
| 8/15/2006 | 0.00                 | 19.1                       | 79                             | 68  | 85  | 11.1              | 28 | 205 | 75                             | 62  | 89  | 30.21                           | 30.19 | 30.26 | 12.5                     | 9.0  | 84.9                      | 105 |
| 8/16/2006 | 0.00                 | 19.1                       | 77                             | 74  | 86  | 6.0               | 18 | 100 | 79                             | 60  | 93  | 30.36                           | 30.27 | 30.42 | 14.0                     | 8.0  | 85.0                      | 108 |
| 8/17/2006 | 0.00                 | 19.1                       | 75                             | 68  | 83  | 8.6               | 22 | 38  | 80                             | 64  | 93  | 30.44                           | 30.41 | 30.47 | 17.1                     | 9.0  | 83.1                      | 106 |
| 8/18/2006 | 0.00                 | 19.1                       | 78                             | 69  | 83  | 6.5               | 15 | 66  | 81                             | 67  | 92  | 30.42                           | 30.38 | 30.46 | 14.9                     | 9.0  | 84.7                      | 110 |
| 8/19/2006 | 0.00                 | 19.1                       | 79                             | 71  | 86  | 5.7               | 17 | 148 | 79                             | 57  | 95  | 30.31                           | 30.22 | 30.39 | 14.5                     | 8.0  | 85.4                      | 114 |
| 8/20/2006 | 0.00                 | 19.1                       | 81                             | 68  | 89  | 7.6               | 21 | 223 | 75                             | 52  | 90  | 30.16                           | 30.14 | 30.22 | 13.9                     | 9.0  | 87.3                      | 106 |
| 8/21/2006 | 0.00                 | 19.1                       | 77                             | 75  | 90  | 6.1               | 20 | 271 | 63                             | 43  | 81  | 30.29                           | 30.17 | 30.36 | 12.0                     | 7.0  | 83.9                      | 111 |
| 8/22/2006 | 0.00                 | 19.1                       | 76                             | 64  | 85  | 3.5               | 11 | 212 | 74                             | 50  | 93  | 30.35                           | 30.31 | 30.38 | 12.6                     | 8.0  | 80.7                      | 111 |
| 8/23/2006 | 0.00                 | 19.1                       | 77                             | 64  | 87  | 5.2               | 17 | 210 | 76                             | 54  | 94  | 30.27                           | 30.22 | 30.32 | 14.0                     | 8.0  | 82.2                      | 109 |
| 8/24/2006 | 0.00                 | 19.1                       | 76                             | 65  | 87  | 5.6               | 31 | 184 | 78                             | 61  | 93  | 30.25                           | 30.22 | 30.27 | 16.6                     | 9.0  | 82.0                      | 106 |
| 8/25/2006 | 0.00                 | 19.1                       | 78                             | 68  | 86  | 6.8               | 22 | 201 | 79                             | 54  | 94  | 30.26                           | 30.23 | 30.29 | 15.1                     | 9.0  | 82.6                      | 104 |
| 8/26/2006 | 0.00                 | 19.1                       | 79                             | 67  | 88  | 4.8               | 13 | 139 | 81                             | 61  | 93  | 30.33                           | 30.27 | 30.40 | 15.5                     | 9.0  | 84.7                      | 109 |
| 8/27/2006 | 0.00                 | 19.1                       | 80                             | 69  | 88  | 6.8               | 21 | 162 | 82                             | 65  | 94  | 30.37                           | 30.28 | 30.41 | 17.0                     | 10.0 | 86.1                      | 110 |
| 8/28/2006 | 0.00                 | 19.1                       | 79                             | 74  | 88  | 7.5               | 21 | 198 | 83                             | 67  | 91  | 30.19                           | 30.12 | 30.28 | 15.3                     | 10.0 | 85.2                      | 105 |
| 8/29/2006 | 0.00                 | 19.1                       | 80                             | 73  | 87  | 4.8               | 19 | 160 | 78                             | 50  | 92  | 30.06                           | 29.99 | 30.12 | 14.0                     | 9.0  | 87.7                      | 114 |
| 8/30/2006 | 0.04                 | 19.2                       | 74                             | 72  | 93  | 8.3               | 19 | 58  | 86                             | 74  | 93  | 30.16                           | 30.06 | 30.26 | 21.8                     | 12.0 | 78.2                      | 92  |
| 8/31/2006 | 0.20                 | 19.4                       | 71                             | 70  | 79  | 16.8              | 32 | 51  | 82                             | 72  | 90  | 30.33                           | 30.24 | 30.38 | 38.5                     | 22.0 | 71.1                      | 76  |

## Monthly summary:

| Total Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP    | Min<br>BP    | Max<br>BP    | Avg<br>FM    | Min<br>FM | Avg<br>FT    | Max<br>FT  |
|----------------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|--------------|--------------|--------------|--------------|-----------|--------------|------------|
| <b>0.97 19.41</b>    | <b>78</b>   | <b>55</b>   | <b>100</b>  | <b>6.7</b>  | <b>41</b>   | <b>162</b>   | <b>73</b> | <b>37</b> | <b>95</b> | <b>30.28</b> | <b>29.99</b> | <b>30.48</b> | <b>15.03</b> | <b>7</b>  | <b>84.45</b> | <b>123</b> |

# September 2006

|           | Rainfall<br>[Inches] |                      | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|-----------|----------------------|----------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date      | Daily                | Total<br>for<br>year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 9/1/2006  | 5.76                 | 25.1                 | 69                             | 69  | 75  | 30.2              | 64 | 72  | 92                             | 87  | 95  | 30.19                           | 30.06 | 30.36 | 55.0                     | 55.0 | 69.6                      | 72  |
| 9/2/2006  | 0.02                 | 25.1                 | 67                             | 67  | 72  | 8.8               | 22 | 194 | 87                             | 77  | 94  | 30.16                           | 30.05 | 30.31 | 45.0                     | 26.0 | 67.5                      | 74  |
| 9/3/2006  | 0.00                 | 25.1                 | 71                             | 59  | 71  | 4.8               | 11 | 102 | 80                             | 62  | 95  | 30.35                           | 30.32 | 30.38 | 26.3                     | 14.0 | 75.7                      | 101 |
| 9/4/2006  | 0.00                 | 25.1                 | 72                             | 59  | 81  | 3.5               | 10 | 108 | 77                             | 55  | 90  | 30.38                           | 30.35 | 30.40 | 15.6                     | 12.0 | 76.5                      | 90  |
| 9/5/2006  | 0.60                 | 25.7                 | 72                             | 67  | 79  | 8.6               | 25 | 167 | 88                             | 78  | 93  | 30.27                           | 30.14 | 30.38 | 35.6                     | 17.0 | 74.0                      | 90  |
| 9/6/2006  | 0.00                 | 25.7                 | 69                             | 64  | 79  | 4.2               | 15 | 247 | 79                             | 58  | 92  | 30.28                           | 30.22 | 30.34 | 26.6                     | 13.0 | 73.7                      | 98  |
| 9/7/2006  | 0.00                 | 25.7                 | 69                             | 60  | 78  | 3.0               | 12 | 190 | 78                             | 58  | 95  | 30.35                           | 30.32 | 30.38 | 15.3                     | 10.0 | 74.3                      | 101 |
| 9/8/2006  | 0.00                 | 25.7                 | 71                             | 60  | 80  | 2.7               | 11 | 182 | 79                             | 56  | 95  | 30.37                           | 30.34 | 30.42 | 15.4                     | 10.0 | 74.0                      | 103 |
| 9/9/2006  | 0.00                 | 25.7                 | 71                             | 60  | 81  | 3.1               | 14 | 198 | 78                             | 54  | 95  | 30.35                           | 30.32 | 30.37 | 14.3                     | 9.0  | 75.3                      | 105 |
| 9/10/2006 | 0.00                 | 25.7                 | 71                             | 59  | 82  | 8.8               | 23 | 111 | 80                             | 64  | 94  | 30.40                           | 30.35 | 30.46 | 14.8                     | 10.0 | 75.3                      | 97  |
| 9/11/2006 | 0.00                 | 25.7                 | 68                             | 62  | 79  | 16.2              | 28 | 47  | 59                             | 50  | 74  | 30.53                           | 30.47 | 30.57 | 11.8                     | 10.0 | 71.6                      | 86  |
| 9/12/2006 | 0.00                 | 25.7                 | 66                             | 63  | 72  | 9.1               | 23 | 53  | 56                             | 43  | 72  | 30.51                           | 30.45 | 30.55 | 10.1                     | 8.0  | 72.2                      | 97  |
| 9/13/2006 | 0.06                 | 25.8                 | 70                             | 59  | 72  | 7.7               | 17 | 139 | 68                             | 46  | 88  | 30.34                           | 30.27 | 30.44 | 15.9                     | 8.0  | 73.5                      | 102 |
| 9/14/2006 | 0.41                 | 26.2                 | 69                             | 61  | 79  | 8.7               | 22 | 146 | 91                             | 87  | 93  | 30.23                           | 30.19 | 30.27 | 55.0                     | 55.0 | 70.5                      | 74  |
| 9/15/2006 | 0.01                 | 26.2                 | 72                             | 66  | 72  | 3.8               | 21 | 200 | 88                             | 73  | 94  | 30.21                           | 30.16 | 30.27 | 40.0                     | 21.0 | 74.8                      | 91  |
| 9/16/2006 | 0.40                 | 26.6                 | 68                             | 67  | 80  | 8.6               | 24 | 91  | 85                             | 67  | 93  | 30.29                           | 30.25 | 30.32 | 31.8                     | 20.0 | 69.8                      | 82  |
| 9/17/2006 | 0.00                 | 26.6                 | 70                             | 64  | 74  | 4.0               | 12 | 231 | 81                             | 57  | 94  | 30.25                           | 30.19 | 30.30 | 18.5                     | 12.0 | 75.3                      | 103 |
| 9/18/2006 | 0.00                 | 26.6                 | 73                             | 62  | 82  | 5.4               | 15 | 204 | 82                             | 63  | 95  | 30.19                           | 30.14 | 30.23 | 15.9                     | 10.0 | 78.4                      | 106 |
| 9/19/2006 | 0.12                 | 26.7                 | 74                             | 62  | 83  | 6.6               | 20 | 238 | 86                             | 68  | 92  | 30.04                           | 29.96 | 30.14 | 27.5                     | 12.0 | 77.0                      | 98  |
| 9/20/2006 | 0.00                 | 26.7                 | 68                             | 70  | 81  | 7.8               | 23 | 314 | 58                             | 39  | 87  | 30.09                           | 29.99 | 30.25 | 20.1                     | 11.0 | 71.8                      | 96  |
| 9/21/2006 | 0.00                 | 26.7                 | 60                             | 59  | 76  | 5.9               | 20 | 240 | 59                             | 33  | 88  | 30.37                           | 30.25 | 30.48 | 11.3                     | 8.0  | 65.0                      | 95  |
| 9/22/2006 | 0.00                 | 26.7                 | 64                             | 44  | 70  | 5.8               | 17 | 185 | 64                             | 40  | 95  | 30.47                           | 30.41 | 30.52 | 11.6                     | 7.0  | 69.1                      | 100 |
| 9/23/2006 | 0.00                 | 26.7                 | 74                             | 44  | 77  | 10.9              | 30 | 201 | 77                             | 68  | 90  | 30.26                           | 30.16 | 30.39 | 13.0                     | 10.0 | 77.9                      | 94  |
| 9/24/2006 | 0.12                 | 26.9                 | 78                             | 69  | 83  | 9.8               | 23 | 226 | 77                             | 59  | 92  | 30.07                           | 29.99 | 30.16 | 17.3                     | 11.0 | 81.8                      | 101 |
| 9/25/2006 | 0.10                 | 27.0                 | 70                             | 68  | 86  | 5.4               | 16 | 275 | 67                             | 44  | 90  | 30.15                           | 30.05 | 30.24 | 27.9                     | 14.0 | 71.4                      | 86  |
| 9/26/2006 | 0.00                 | 27.0                 | 66                             | 63  | 76  | 3.8               | 15 | 249 | 61                             | 35  | 90  | 30.29                           | 30.23 | 30.33 | 13.0                     | 8.0  | 69.2                      | 102 |
| 9/27/2006 | 0.00                 | 27.0                 | 66                             | 50  | 79  | 3.3               | 10 | 152 | 70                             | 39  | 96  | 30.27                           | 30.22 | 30.32 | 12.5                     | 8.0  | 69.3                      | 101 |
| 9/28/2006 | 0.00                 | 27.0                 | 70                             | 49  | 78  | 10.2              | 35 | 195 | 73                             | 55  | 92  | 30.12                           | 30.01 | 30.22 | 13.3                     | 9.0  | 73.3                      | 97  |
| 9/29/2006 | 0.09                 | 27.1                 | 63                             | 59  | 79  | 5.9               | 23 | 303 | 65                             | 41  | 91  | 30.15                           | 30.01 | 30.35 | 23.9                     | 13.0 | 66.0                      | 88  |
| 9/30/2006 | 0.00                 | 27.1                 | 63                             | 46  | 70  | 7.4               | 21 | 156 | 65                             | 42  | 94  | 30.38                           | 30.34 | 30.44 | 13.2                     | 10.0 | 64.9                      | 92  |

## Monthly summary:

| Total<br>rain | Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP | Min<br>BP | Max<br>BP | Avg<br>FM | Min<br>FM | Avg<br>FT | Max<br>FT |
|---------------|----------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 7.69          | 27.1           | 69          | 44          | 86          | 7.5         | 64          | 181          | 75        | 33        | 96        | 30.28     | 29.96     | 30.57     | 22.25     | 7         | 72.62     | 106       |

# October 2006

|            | 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  |                 |     |     |           |     |     |                   |     |     |                     |       |       |             |      |             |     |
| 10/1/2006  | 0.07     | 27.1  | 67              | 43  | 75  | 5.5       | 19  | 257 | 70                | 48  | 85  | 30.33               | 30.27 | 30.40 | 18.5        | 13.0 | 69.4        | 93  |
| 10/2/2006  | 0.00     | 27.1  | 65              | 60  | 76  | 5.1       | 17  | 291 | 64                | 40  | 93  | 30.47               | 30.41 | 30.51 | 12.7        | 9.0  | 68.9        | 95  |
| 10/3/2006  | 0.00     | 27.1  | 69              | 55  | 76  | 6.3       | 20  | 211 | 77                | 51  | 95  | 30.49               | 30.45 | 30.52 | 13.4        | 9.0  | 73.0        | 100 |
| 10/4/2006  | 0.00     | 27.1  | 72              | 57  | 80  | 7.7       | 18  | 208 | 76                | 56  | 91  | 30.38               | 30.27 | 30.46 | 14.8        | 9.0  | 76.5        | 100 |
| 10/5/2006  | 0.00     | 27.1  | 67              | 65  | 79  | 11.1      | 25  | 98  | 72                | 59  | 86  | 30.36               | 30.26 | 30.43 | 13.5        | 10.0 | 72.0        | 88  |
| 10/6/2006  | 2.97     | 30.1  | 61              | 63  | 72  | 27.9      | 52  | 52  | 88                | 76  | 91  | 30.40               | 30.34 | 30.44 | 47.3        | 13.0 | 62.0        | 68  |
| 10/7/2006  | 0.21     | 30.3  | 64              | 56  | 67  | 24.2      | 49  | 46  | 86                | 79  | 92  | 30.45               | 30.37 | 30.54 | 46.3        | 25.0 | 65.1        | 68  |
| 10/8/2006  | 0.00     | 30.3  | 64              | 62  | 67  | 12.4      | 25  | 44  | 74                | 61  | 83  | 30.53               | 30.47 | 30.58 | 18.5        | 15.0 | 66.5        | 80  |
| 10/9/2006  | 0.00     | 30.3  | 65              | 60  | 70  | 6.6       | 16  | 74  | 80                | 65  | 94  | 30.42               | 30.35 | 30.47 | 17.0        | 12.0 | 68.3        | 93  |
| 10/10/2006 | 0.00     | 30.3  | 66              | 55  | 72  | 4.5       | 12  | 133 | 81                | 59  | 95  | 30.27               | 30.21 | 30.34 | 19.2        | 11.0 | 70.0        | 96  |
| 10/11/2006 | 0.05     | 30.4  | 68              | 54  | 75  | 7.0       | 19  | 91  | 91                | 83  | 94  | 30.08               | 29.93 | 30.21 | 30.7        | 19.0 | 70.1        | 83  |
| 10/12/2006 | 0.00     | 30.4  | 68              | 64  | 72  | 7.9       | 29  | 246 | 71                | 42  | 94  | 29.92               | 29.87 | 30.06 | 20.2        | 12.0 | 71.9        | 92  |
| 10/13/2006 | 0.00     | 30.4  | 50              | 53  | 78  | 4.7       | 23  | 216 | 52                | 34  | 94  | 30.19               | 30.08 | 30.26 | 11.6        | 9.0  | 53.5        | 78  |
| 10/14/2006 | 0.00     | 30.4  | 56              | 36  | 60  | 5.3       | 22  | 272 | 46                | 24  | 73  | 30.20               | 30.14 | 30.30 | 11.4        | 8.0  | 57.7        | 86  |
| 10/15/2006 | 0.00     | 30.4  | 52              | 46  | 65  | 3.2       | 14  | 235 | 54                | 21  | 90  | 30.39               | 30.31 | 30.47 | 10.3        | 7.0  | 54.0        | 88  |
| 10/16/2006 | 0.00     | 30.4  | 58              | 34  | 66  | 6.0       | 17  | 117 | 59                | 33  | 92  | 30.54               | 30.47 | 30.58 | 11.4        | 8.0  | 59.3        | 89  |
| 10/17/2006 | 0.75     | 31.1  | 64              | 36  | 69  | 12.5      | 28  | 150 | 82                | 62  | 94  | 30.35               | 30.18 | 30.54 | 34.8        | 11.0 | 64.8        | 67  |
| 10/18/2006 | 0.34     | 31.4  | 67              | 61  | 66  | 3.4       | 17  | 231 | 87                | 66  | 95  | 30.14               | 30.10 | 30.17 | 35.3        | 18.0 | 69.0        | 88  |
| 10/19/2006 | 0.00     | 31.4  | 65              | 60  | 75  | 3.4       | 14  | 164 | 89                | 76  | 95  | 30.12               | 29.97 | 30.18 | 22.0        | 16.0 | 67.6        | 85  |
| 10/20/2006 | 0.19     | 31.6  | 65              | 55  | 73  | 9.5       | 31  | 252 | 72                | 43  | 94  | 29.90               | 29.74 | 30.17 | 24.4        | 14.0 | 66.8        | 89  |
| 10/21/2006 | 0.00     | 31.6  | 54              | 52  | 78  | 4.8       | 14  | 301 | 61                | 36  | 90  | 30.31               | 30.17 | 30.38 | 13.0        | 10.0 | 57.3        | 85  |
| 10/22/2006 | 0.00     | 31.6  | 56              | 40  | 64  | 5.9       | 18  | 225 | 78                | 57  | 95  | 30.23               | 30.06 | 30.36 | 15.3        | 13.0 | 55.0        | 69  |
| 10/23/2006 | 0.00     | 31.6  | 53              | 39  | 65  | 8.4       | 25  | 285 | 56                | 37  | 88  | 30.09               | 30.02 | 30.14 | 12.5        | 10.0 | 57.5        | 77  |
| 10/24/2006 | 0.00     | 31.6  | 47              | 44  | 60  | 11.8      | 27  | 294 | 55                | 43  | 71  | 30.14               | 30.09 | 30.24 | 10.7        | 10.0 | 49.0        | 65  |
| 10/25/2006 | 0.00     | 31.6  | 49              | 40  | 53  | 10.5      | 24  | 292 | 55                | 39  | 69  | 30.31               | 30.24 | 30.41 | 10.4        | 9.0  | 51.7        | 71  |
| 10/26/2006 | 0.00     | 31.6  | 49              | 42  | 57  | 4.9       | 17  | 304 | 60                | 39  | 82  | 30.45               | 30.40 | 30.48 | 10.9        | 8.0  | 51.3        | 75  |
| 10/27/2006 | 0.55     | 32.2  | 53              | 41  | 59  | 9.3       | 32  | 186 | 73                | 50  | 93  | 30.37               | 30.08 | 30.47 | 24.0        | 11.0 | 53.2        | 61  |
| 10/28/2006 | 1.20     | 33.4  | 62              | 44  | 61  | 17.6      | 47  | 231 | 70                | 40  | 94  | 29.72               | 29.52 | 30.01 | 33.5        | 15.0 | 64.3        | 84  |
| 10/29/2006 | 0.00     | 33.4  | 51              | 49  | 72  | 9.3       | 33  | 254 | 57                | 32  | 93  | 30.11               | 29.94 | 30.31 | 13.5        | 11.0 | 51.2        | 72  |
| 10/30/2006 | 0.00     | 33.4  | 54              | 36  | 62  | 3.3       | 15  | 232 | 76                | 26  | 95  | 30.39               | 30.32 | 30.43 | 14.8        | 10.0 | 53.8        | 87  |
| 10/31/2006 | 0.00     | 33.4  | 61              | 37  | 70  | 7.8       | 20  | 205 | 75                | 61  | 91  | 30.33               | 30.25 | 30.40 | 16.5        | 12.0 | 62.5        | 81  |

## Monthly summary:

| Total | Annual | Avg  |     |     | Avg  |     |       | Avg |     |     | Avg   |       |       | Avg   |     | Avg   |     |
|-------|--------|------|-----|-----|------|-----|-------|-----|-----|-----|-------|-------|-------|-------|-----|-------|-----|
| rain  | rain   | temp | Min | Max | wind | Max | W Dir | RH  | Min | Max | BP    | Min   | Max   | FM    | Min | FT    | Max |
|       |        |      |     |     |      |     |       |     |     |     |       |       |       |       |     |       |     |
| 6.33  | 33.43  | 60   | 34  | 80  | 8.6  | 52  | 200   | 71  | 21  | 95  | 30.27 | 29.52 | 30.58 | 19.62 | 7   | 62.36 | 100 |

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|            | Rainfall    |          | Air Temperature |     |     | Wind  |     |     | Relative Humidity |     |     | Barometric Pressure |       |       | Fuel Moist. |      | Fuel Temp.  |     |
|------------|-------------|----------|-----------------|-----|-----|-------|-----|-----|-------------------|-----|-----|---------------------|-------|-------|-------------|------|-------------|-----|
|            | Inches]     |          | [Degrees F]     |     |     | Speed |     | DIR | [Percent]         |     |     | [Inches]            |       |       | [Percent]   |      | [Degrees F] |     |
|            | Daily Total |          |                 |     |     | [MPH] |     |     |                   |     |     |                     |       |       |             |      |             |     |
| Date       | Total       | for year | Avg             | Min | Max | Avg   | Max | Avg | Avg               | Min | Max | Avg                 | Min   | Max   | Avg         | Min  | Avg         | Max |
| 11/1/2006  | 0.00        | 33.4     | 63              | 52  | 69  | 4.0   | 15  | 209 | 76                | 47  | 94  | 30.28               | 30.23 | 30.33 | 14.0        | 10.0 | 65.8        | 94  |
| 11/2/2006  | 0.00        | 33.4     | 54              | 56  | 75  | 6.6   | 23  | 302 | 70                | 40  | 93  | 30.27               | 30.14 | 30.43 | 16.8        | 12.0 | 55.3        | 73  |
| 11/3/2006  | 0.00        | 33.4     | 43              | 44  | 62  | 6.8   | 23  | 324 | 45                | 27  | 57  | 30.60               | 30.45 | 30.73 | 11.0        | 9.0  | 46.8        | 71  |
| 11/4/2006  | 0.00        | 33.4     | 42              | 37  | 51  | 5.7   | 19  | 316 | 49                | 29  | 65  | 30.79               | 30.74 | 30.84 | 10.0        | 8.0  | 44.3        | 64  |
| 11/5/2006  | 0.00        | 33.4     | 46              | 35  | 50  | 4.7   | 12  | 222 | 58                | 39  | 89  | 30.79               | 30.75 | 30.84 | 10.9        | 8.0  | 47.7        | 77  |
| 11/6/2006  | 0.00        | 33.4     | 51              | 37  | 56  | 5.0   | 14  | 194 | 71                | 55  | 88  | 30.71               | 30.61 | 30.75 | 13.4        | 10.0 | 52.5        | 71  |
| 11/7/2006  | 0.14        | 33.5     | 58              | 41  | 59  | 6.9   | 17  | 70  | 87                | 77  | 94  | 30.45               | 30.21 | 30.61 | 22.2        | 13.0 | 60.3        | 79  |
| 11/8/2006  | 0.41        | 33.9     | 61              | 51  | 65  | 7.0   | 31  | 189 | 93                | 91  | 94  | 29.82               | 29.65 | 30.17 | 52.1        | 48.0 | 63.0        | 70  |
| 11/9/2006  | 0.00        | 33.9     | 60              | 58  | 66  | 5.6   | 19  | 298 | 77                | 55  | 94  | 29.85               | 29.70 | 30.01 | 28.5        | 16.0 | 62.8        | 85  |
| 11/10/2006 | 0.00        | 33.9     | 60              | 54  | 70  | 3.5   | 11  | 218 | 77                | 49  | 94  | 30.22               | 30.03 | 30.33 | 17.5        | 12.0 | 60.8        | 88  |
| 11/11/2006 | 0.00        | 33.9     | 61              | 54  | 73  | 8.5   | 21  | 176 | 87                | 71  | 93  | 30.23               | 30.12 | 30.32 | 20.5        | 14.0 | 64.5        | 84  |
| 11/12/2006 | 1.50        | 35.4     | 59              | 56  | 68  | 11.6  | 50  | 92  | 93                | 88  | 95  | 30.02               | 29.87 | 30.12 | 41.8        | 24.0 | 59.8        | 64  |
| 11/13/2006 | 0.09        | 35.5     | 60              | 55  | 63  | 8.3   | 30  | 172 | 91                | 84  | 94  | 30.02               | 29.99 | 30.03 | 53.0        | 46.0 | 60.8        | 69  |
| 11/14/2006 | 0.00        | 35.5     | 59              | 57  | 65  | 7.5   | 19  | 220 | 88                | 63  | 94  | 30.10               | 30.04 | 30.15 | 37.8        | 20.0 | 61.2        | 79  |
| 11/15/2006 | 0.00        | 35.5     | 60              | 55  | 68  | 3.6   | 12  | 154 | 90                | 76  | 95  | 30.19               | 30.14 | 30.23 | 27.3        | 17.0 | 61.4        | 84  |
| 11/16/2006 | 0.12        | 35.6     | 63              | 53  | 68  | 16.3  | 45  | 156 | 88                | 80  | 93  | 30.00               | 29.85 | 30.19 | 30.1        | 17.0 | 65.5        | 77  |
| 11/17/2006 | 0.00        | 35.6     | 57              | 58  | 68  | 7.5   | 26  | 256 | 65                | 50  | 92  | 30.08               | 29.91 | 30.25 | 25.2        | 14.0 | 58.3        | 78  |
| 11/18/2006 | 0.00        | 35.6     | 48              | 46  | 65  | 6.6   | 24  | 332 | 59                | 41  | 68  | 30.26               | 30.21 | 30.30 | 13.1        | 11.0 | 50.9        | 72  |
| 11/19/2006 | 0.00        | 35.6     | 46              | 43  | 56  | 4.2   | 12  | 329 | 66                | 46  | 80  | 30.23               | 30.21 | 30.28 | 12.9        | 11.0 | 48.6        | 72  |
| 11/20/2006 | 0.00        | 35.6     | 46              | 41  | 55  | 5.8   | 21  | 302 | 61                | 44  | 81  | 30.40               | 30.27 | 30.58 | 12.5        | 10.0 | 48.8        | 72  |
| 11/21/2006 | 0.01        | 35.7     | 47              | 40  | 54  | 16.8  | 38  | 98  | 70                | 61  | 84  | 30.61               | 30.52 | 30.67 | 13.3        | 12.0 | 48.4        | 54  |
| 11/22/2006 | 1.48        | 37.1     | 53              | 41  | 55  | 28.5  | 58  | 39  | 89                | 81  | 93  | 30.31               | 30.22 | 30.48 | 47.6        | 16.0 | 54.1        | 56  |
| 11/23/2006 | 0.32        | 37.5     | 51              | 52  | 56  | 14.0  | 37  | 182 | 92                | 89  | 93  | 30.21               | 30.17 | 30.28 | 54.9        | 53.0 | 52.2        | 58  |
| 11/24/2006 | 0.00        | 37.5     | 52              | 44  | 56  | 6.9   | 22  | 276 | 55                | 24  | 89  | 30.39               | 30.26 | 30.52 | 27.2        | 14.0 | 52.0        | 74  |
| 11/25/2006 | 0.00        | 37.5     | 51              | 45  | 63  | 5.8   | 14  | 112 | 74                | 60  | 91  | 30.60               | 30.52 | 30.64 | 15.6        | 12.0 | 52.7        | 78  |
| 11/26/2006 | 0.00        | 37.5     | 48              | 43  | 61  | 2.8   | 9   | 211 | 86                | 70  | 95  | 30.64               | 30.61 | 30.68 | 17.6        | 12.0 | 48.9        | 78  |
| 11/27/2006 | 0.00        | 37.5     | 47              | 38  | 60  | 1.7   | 11  | 237 | 94                | 86  | 96  | 30.61               | 30.57 | 30.66 | 18.4        | 15.0 | 46.8        | 68  |
| 11/28/2006 | 0.00        | 37.5     | 49              | 37  | 55  | 1.0   | 8   | 153 | 91                | 76  | 96  | 30.60               | 30.57 | 30.64 | 18.5        | 14.0 | 48.8        | 73  |
| 11/29/2006 | 0.00        | 37.5     | 55              | 39  | 61  | 2.2   | 8   | 134 | 91                | 77  | 96  | 30.62               | 30.61 | 30.66 | 18.8        | 14.0 | 56.3        | 76  |
| 11/30/2006 | 0.01        | 37.5     | 58              | 48  | 64  | 6.2   | 15  | 197 | 88                | 72  | 95  | 30.52               | 30.39 | 30.61 | 19.4        | 14.0 | 60.6        | 79  |

## Monthly summary:

| Total Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP    | Min<br>BP    | Max<br>BP    | Avg<br>FM    | Min<br>FM | Avg<br>FT    | Max<br>FT |
|----------------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|--------------|--------------|--------------|--------------|-----------|--------------|-----------|
| <b>4.08 37.51</b>    | <b>54</b>   | <b>35</b>   | <b>75</b>   | <b>7.4</b>  | <b>58</b>   | <b>206</b>   | <b>77</b> | <b>24</b> | <b>96</b> | <b>30.35</b> | <b>29.65</b> | <b>30.84</b> | <b>24.06</b> | <b>8</b>  | <b>55.33</b> | <b>94</b> |

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|            | Rainfall<br>[Inches] |                            | Air Temperature<br>[Degrees F] |     |     | Wind<br>Speed DIR |    |     | Relative Humidity<br>[Percent] |     |     | Barometric Pressure<br>[Inches] |       |       | Fuel Moist.<br>[Percent] |      | Fuel Temp.<br>[Degrees F] |     |
|------------|----------------------|----------------------------|--------------------------------|-----|-----|-------------------|----|-----|--------------------------------|-----|-----|---------------------------------|-------|-------|--------------------------|------|---------------------------|-----|
| Date       | Daily                | Total<br>for<br>Total year | Avg                            | Min | Max | [MPH]             |    | Avg | Avg                            | Min | Max | Avg                             | Min   | Max   | Avg                      | Min  | Avg                       | Max |
| 12/1/2006  | 0.00                 | 37.5                       | 61                             | 50  | 65  | 14.6              | 37 | 199 | 90                             | 75  | 94  | 30.17                           | 29.99 | 30.37 | 20.4                     | 15.0 | 63.2                      | 73  |
| 12/2/2006  | 0.00                 | 37.5                       | 48                             | 56  | 66  | 7.6               | 24 | 322 | 49                             | 39  | 57  | 30.48                           | 30.14 | 30.70 | 13.2                     | 11.0 | 50.1                      | 68  |
| 12/3/2006  | 0.09                 | 37.6                       | 46                             | 41  | 55  | 5.8               | 20 | 171 | 63                             | 51  | 91  | 30.65                           | 30.43 | 30.75 | 14.1                     | 11.0 | 48.8                      | 66  |
| 12/4/2006  | 0.57                 | 38.1                       | 39                             | 38  | 52  | 9.1               | 26 | 298 | 60                             | 38  | 93  | 30.45                           | 30.32 | 30.55 | 26.2                     | 15.0 | 40.7                      | 53  |
| 12/5/2006  | 0.00                 | 38.1                       | 37                             | 29  | 45  | 5.7               | 19 | 255 | 49                             | 31  | 73  | 30.59                           | 30.49 | 30.72 | 13.8                     | 12.0 | 36.8                      | 59  |
| 12/6/2006  | 0.00                 | 38.1                       | 47                             | 27  | 45  | 10.3              | 25 | 163 | 61                             | 42  | 83  | 30.58                           | 30.38 | 30.71 | 13.9                     | 11.0 | 46.5                      | 66  |
| 12/7/2006  | 0.00                 | 38.1                       | 50                             | 30  | 55  | 8.2               | 31 | 271 | 59                             | 38  | 80  | 30.28                           | 30.18 | 30.41 | 12.8                     | 11.0 | 52.3                      | 73  |
| 12/8/2006  | 0.00                 | 38.1                       | 31                             | 31  | 60  | 11.1              | 33 | 299 | 45                             | 37  | 56  | 30.61                           | 30.45 | 30.74 | 10.7                     | 10.0 | 32.8                      | 48  |
| 12/9/2006  | 0.00                 | 38.1                       | 33                             | 26  | 36  | 5.3               | 18 | 263 | 60                             | 33  | 79  | 30.76                           | 30.72 | 30.81 | 11.5                     | 10.0 | 32.9                      | 55  |
| 12/10/2006 | 0.00                 | 38.1                       | 41                             | 26  | 44  | 4.9               | 14 | 238 | 57                             | 28  | 79  | 30.70                           | 30.67 | 30.74 | 11.8                     | 9.0  | 41.6                      | 68  |
| 12/11/2006 | 0.00                 | 38.1                       | 43                             | 33  | 55  | 3.1               | 10 | 255 | 68                             | 37  | 87  | 30.70                           | 30.66 | 30.76 | 13.3                     | 10.0 | 41.7                      | 72  |
| 12/12/2006 | 0.00                 | 38.1                       | 50                             | 33  | 58  | 6.6               | 14 | 89  | 79                             | 55  | 93  | 30.76                           | 30.70 | 30.82 | 15.0                     | 11.0 | 51.2                      | 75  |
| 12/13/2006 | 0.00                 | 38.1                       | 53                             | 40  | 59  | 6.1               | 16 | 181 | 92                             | 80  | 95  | 30.52                           | 30.42 | 30.69 | 20.8                     | 17.0 | 53.5                      | 64  |
| 12/14/2006 | 0.00                 | 38.1                       | 47                             | 45  | 59  | 1.9               | 11 | 213 | 95                             | 92  | 96  | 30.35                           | 30.24 | 30.41 | 22.8                     | 17.0 | 47.2                      | 60  |
| 12/15/2006 | 0.01                 | 38.1                       | 51                             | 42  | 53  | 5.9               | 20 | 231 | 85                             | 56  | 96  | 30.12                           | 30.03 | 30.23 | 24.3                     | 15.0 | 52.5                      | 74  |
| 12/16/2006 | 0.00                 | 38.1                       | 46                             | 45  | 62  | 3.2               | 15 | 308 | 65                             | 39  | 95  | 30.39                           | 30.16 | 30.53 | 15.1                     | 12.0 | 45.4                      | 72  |
| 12/17/2006 | 0.00                 | 38.1                       | 48                             | 33  | 57  | 6.1               | 22 | 216 | 82                             | 56  | 95  | 30.49                           | 30.43 | 30.54 | 15.9                     | 13.0 | 46.7                      | 70  |
| 12/18/2006 | 0.00                 | 38.1                       | 56                             | 33  | 59  | 5.5               | 14 | 233 | 69                             | 47  | 82  | 30.41                           | 30.35 | 30.47 | 14.9                     | 11.0 | 56.8                      | 80  |
| 12/19/2006 | 0.00                 | 38.1                       | 46                             | 50  | 68  | 4.9               | 18 | 180 | 60                             | 48  | 77  | 30.55                           | 30.48 | 30.66 | 13.6                     | 11.0 | 47.2                      | 60  |
| 12/20/2006 | 0.00                 | 38.1                       | 41                             | 38  | 53  | 4.9               | 19 | 218 | 62                             | 34  | 78  | 30.73                           | 30.67 | 30.81 | 12.5                     | 10.0 | 41.7                      | 67  |
| 12/21/2006 | 0.00                 | 38.1                       | 44                             | 34  | 50  | 3.2               | 12 | 258 | 78                             | 60  | 90  | 30.64                           | 30.59 | 30.70 | 14.9                     | 13.0 | 45.0                      | 59  |
| 12/22/2006 | 0.22                 | 38.4                       | 51                             | 38  | 51  | 6.6               | 19 | 93  | 88                             | 74  | 94  | 30.54                           | 30.31 | 30.63 | 27.5                     | 15.0 | 53.0                      | 61  |
| 12/23/2006 | 0.20                 | 38.6                       | 54                             | 43  | 56  | 6.4               | 27 | 233 | 93                             | 83  | 95  | 30.17                           | 30.09 | 30.30 | 49.0                     | 40.0 | 53.0                      | 63  |
| 12/24/2006 | 0.01                 | 38.6                       | 46                             | 42  | 60  | 3.1               | 20 | 311 | 77                             | 49  | 96  | 30.41                           | 30.25 | 30.58 | 29.8                     | 18.0 | 42.6                      | 67  |
| 12/25/2006 | 1.76                 | 40.3                       | 50                             | 37  | 56  | 9.6               | 33 | 124 | 88                             | 74  | 96  | 30.32                           | 29.89 | 30.58 | 34.1                     | 19.0 | 49.1                      | 60  |
| 12/26/2006 | 0.02                 | 40.3                       | 54                             | 32  | 60  | 8.4               | 26 | 241 | 85                             | 70  | 96  | 29.83                           | 29.78 | 29.94 | 41.3                     | 23.0 | 54.1                      | 59  |
| 12/27/2006 | 0.00                 | 40.3                       | 44                             | 45  | 58  | 8.5               | 25 | 270 | 62                             | 42  | 87  | 30.26                           | 29.95 | 30.55 | 17.0                     | 15.0 | 42.7                      | 55  |
| 12/28/2006 | 0.00                 | 40.3                       | 43                             | 33  | 49  | 3.0               | 17 | 244 | 74                             | 44  | 94  | 30.69                           | 30.56 | 30.77 | 16.1                     | 14.0 | 42.9                      | 72  |
| 12/29/2006 | 0.00                 | 40.3                       | 45                             | 27  | 56  | 3.5               | 10 | 107 | 86                             | 64  | 96  | 30.82                           | 30.76 | 30.87 | 16.0                     | 13.0 | 45.7                      | 73  |
| 12/30/2006 | 0.00                 | 40.3                       | 50                             | 32  | 56  | 5.2               | 12 | 171 | 81                             | 60  | 92  | 30.72                           | 30.63 | 30.83 | 18.4                     | 13.0 | 51.6                      | 74  |
| 12/31/2006 | 0.00                 | 40.3                       | 49                             | 44  | 59  | 9.5               | 19 | 107 | 74                             | 62  | 87  | 30.66                           | 30.51 | 30.74 | 16.9                     | 13.0 | 50.0                      | 65  |

## Monthly summary:

| Total Annual<br>rain | Avg<br>temp | Min<br>temp | Max<br>temp | Avg<br>wind | Max<br>wind | Avg<br>W Dir | Avg<br>RH | Min<br>RH | Max<br>RH | Avg<br>BP   | Min<br>BP    | Max<br>BP    | Avg<br>FM    | Min<br>FM | Avg<br>FT    | Max<br>FT |
|----------------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|-----------|-------------|--------------|--------------|--------------|-----------|--------------|-----------|
| <b>2.88 40.39</b>    | <b>47</b>   | <b>26</b>   | <b>68</b>   | <b>6.4</b>  | <b>37</b>   | <b>218</b>   | <b>72</b> | <b>28</b> | <b>96</b> | <b>30.5</b> | <b>29.78</b> | <b>30.87</b> | <b>19.28</b> | <b>9</b>  | <b>47.08</b> | <b>80</b> |