# Calculation Cover Sheet

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Project Name Triassic Park Landfill Permit Renewal Project Number ES11.0141

Calculation Number ES11.0141-002 Discipline Hydrology No. of Sheets

PROJECT: Triassic Park Waste Disposal Facility Permit Renewal

SITE: Triassic Park Waste Disposal Facility, Roswell, NM

SUBJECT: Calculate precipitation file for use in UNSAT-H Model.

SOURCES OF DATA:

A. Part A and Part B Permit Application for the Triassic Park Waste Disposal Facility, Chaves County, New Mexico, Appendix F- Surface Water Control System Design and Appendix E-28 - HELP Modeling Report. October 2000.

B. National Oceanic and Atmospheric Association (NOAA). www.ncdc.noaa.gov/oa/ncdc.html

C. Western Regional Climate Center. www.wrcc.dri.edu/htmlfiles/westernevap.final.html

D. Weather Underground. www.wunderground.com

SOURCES OF FORMULAE & REFERENCES:

1. USDA NRCS Urban Hydrology for Small Watersheds (TR55). June 1986.
2. Playan et. al. Day and Night Wind Drift and Evaporation Losses in Sprinkler Solid-Sets and Moving Laterals. *Agricultural Water Management*. Volume 76, Issue 3, 10 August 2005, Pages 139-159

[x] Preliminary Calculation [ ] Final Calculation Supersedes Calculation No.

| Rev. No. | Revision | Calculation By | Date | Checked By | Date | Approved By | Date |
|---|---|---|---|---|---|---|---|
| 0 | | KI | 10/11/11 | TG | 10/14/11 | WS | 10/14/11 |
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## 1.0 OBJECTIVE

The purpose of this calculation is to generate a new precipitation file for use in an UNSAT-H model of the Triassic Park Waste Disposal Facility during active filling that accounts for measured precipitation as well as recirculation of potentially contaminated stormwater and leachate.

## 2.0 GIVEN

In the 2002 permit application[A] Appendix F, a Curve Number of 91 was used for the active filling area (with daily soil cover). The area contributing to the contaminated stormwater pond (CSWP) is 15.6 acres[A]. The CSWP in the bottom of Phase IA has an area of 2.5 acres[A]. The area of the bottom of the landfill that could be covered by the initial layer of waste is 6 acres[A] – this is the area to which recirculation water is applied.

## 3.0 METHOD

UNSAT-H allows use of daily records of precipitation and temperature, among other variables, to assess the evaporation from, infiltration into, and runoff from user-specified layers. This calculation describes the generation of the hourly precipitation file that will be used in UNSAT-H that accounts for measured precipitation and stormwater recirculation back onto the waste. For this analysis, the second wettest year on record in Roswell is used, 1986.

A complete hourly precipitation record for Roswell, NM is not available; however, daily precipitation data are available from the National Oceanic and Atmospheric Association (NOAA)[B]. To convert the daily precipitation record to hourly data, all precipitation events are set to begin at 6pm. Precipitation is assigned a rate of 1.0 inch/hour until all the precipitation has fallen. This precipitation rate was assigned due to the nature of most precipitation events in Roswell, NM, which are predominately short duration and intense. This hourly data is applied to the active filling area to determine runoff, using the United States Department of Agriculture's Natural Resource Conservation Service's TR55 method[1]. Specific equations utilized are summarized below.

The runoff resulting from each daily precipitation event is calculated using the curve number method:

$$Q_{depth} = \frac{(P - 0.2S)^2}{P + 0.8S} \qquad \text{Eq 1}$$

where

$Q_{depth}$ = runoff (inches)
P = rainfall (inches)
S = potential maximum retention after runoff begins (inches)

In this equation, it is assumed that $S = I_a/0.2$, where $I_a$ is the initial abstraction.

S is related to the soil and cover conditions of the watershed by the curve number (CN):

$$S = \frac{1000}{CN} - 10 \qquad \text{Eq 2}$$

The depth of runoff obtained with Equations 1 and 2 is converted to a volume by multiplying by the area of the watershed ($A_{ws}$):

$$Q_{runoff} = Q_{depth} * A_{ws} \qquad \text{Eq 3}$$

$Q_{runoff}$ enters the contaminated stormwater pond each hour that there is precipitation that generates runoff. Evaporation losses from the pond are estimated from the surface of the CSWP by utilizing monthly pan evaporation data for Roswell, NM[C]. A standard reduction factor of 0.7 is applied to the pan evaporation data for evaporation from the pond[C]. If the evaporative losses are greater than the water in the pond, then the pond is empty. If the water in the pond has not evaporated by 8AM the following morning, stormwater recirculation begins. Up to 0.29 acre-ft of water is applied per day, from 8AM to 4PM with an assumed stationary sprinkler system. The percent evaporative losses from spraying are calculated[2] using average wind speed[D] and relative humidity[D]:

$$\%Loss = 20.7 + 0.185 * AWS - 2.14x10^{-3} * RH^2 \qquad \text{Eq 4}$$

where
*AWS* = average wind speed (meters/sec)
*RH* = relative humidity (%)
Equation 4 was selected due to its validation performance, and because recirculation only occurs during the daytime.

The volume of water in the pond is tracked on an hourly basis, and incorporates any water left in the pond from the day before and evaporation losses from the pond to determine how much water is sprayed back each hour. Water recirculation only occurs from 8AM-4PM, regardless of whether measured precipitation occurs that day.

This calculation is performed in Excel for the entirety of 1986, but the steps and equations described above are illustrated below for a few days in October from the 1986 record. Once hourly precipitation and recirculation values were determined in Excel, Microsoft Access was used to process the data for input into UNSAT-H.

## 4.0 SOLUTION

The measured rainfall on October 9, 1986 is 0.59 inches. The measured precipitation is applied at a rate of 1.0 inches/hour beginning at 6PM until all the precipitation is applied, resulting in the following precipitation record for these two days.

| Month | Day | Hour | Precipitation (in) | Month | Day | Hour | Precipitation (in) |
|---|---|---|---|---|---|---|---|
| 10 | 9 | 0 | 0 | 10 | 10 | 0 | 0 |
| 10 | 9 | 1 | 0 | 10 | 10 | 1 | 0 |
| 10 | 9 | 2 | 0 | 10 | 10 | 2 | 0 |
| 10 | 9 | 3 | 0 | 10 | 10 | 3 | 0 |
| 10 | 9 | 4 | 0 | 10 | 10 | 4 | 0 |
| 10 | 9 | 5 | 0 | 10 | 10 | 5 | 0 |
| 10 | 9 | 6 | 0 | 10 | 10 | 6 | 0 |
| 10 | 9 | 7 | 0 | 10 | 10 | 7 | 0 |
| 10 | 9 | 8 | 0 | 10 | 10 | 8 | 0 |
| 10 | 9 | 9 | 0 | 10 | 10 | 9 | 0 |
| 10 | 9 | 10 | 0 | 10 | 10 | 10 | 0 |
| 10 | 9 | 11 | 0 | 10 | 10 | 11 | 0 |
| 10 | 9 | 12 | 0 | 10 | 10 | 12 | 0 |
| 10 | 9 | 13 | 0 | 10 | 10 | 13 | 0 |
| 10 | 9 | 14 | 0 | 10 | 10 | 14 | 0 |
| 10 | 9 | 15 | 0 | 10 | 10 | 15 | 0 |
| 10 | 9 | 16 | 0 | 10 | 10 | 16 | 0 |
| 10 | 9 | 17 | 0 | 10 | 10 | 17 | 0 |
| 10 | 9 | 18 | 0.59 | 10 | 10 | 18 | 1 |
| 10 | 9 | 19 | 0 | 10 | 10 | 19 | 1 |
| 10 | 9 | 20 | 0 | 10 | 10 | 20 | 1 |
| 10 | 9 | 21 | 0 | 10 | 10 | 21 | 0.46 |
| 10 | 9 | 22 | 0 | 10 | 10 | 22 | 0 |
| 10 | 9 | 23 | 0 | 10 | 10 | 23 | 0 |

The potential maximum runoff from the active landfill waste is determined assuming a curve number of 91[A] and Equation 2:

$$S = \frac{1000}{91} - 10 = 0.99$$

For the first 17 hours of October 9, there is no precipitation, so no runoff is calculated. At 6pm, $I_a$ over the precipitation is calculated to ensure that there is more precipitation than the initial abstractions:

$$\frac{I_a}{P} = \frac{0.2*S}{P} = \frac{0.2*0.99}{0.56} = 0.34$$

If the value of $I_a/P$ is greater than one, then there is no runoff as initial abstractions exceed precipitation. If $I_a/P$ is less than one, Equation 1 is used to calculate the runoff depth in inches from the precipitation:

$$Q_{depth} = \frac{(0.59 - 0.2*0.99)^2}{0.59 + 0.8*0.99} = 0.11 inches$$

The volume of runoff is determined with Equation 3:

$$Q_{runoff} = 0.11in*15.6\ acres*\frac{1ft}{12in} = 0.145\ acre-ft$$

This volume enters the CSWP. The pan evaporation losses for the month of October are 6.97 inches, which is multiplied by the pan evaporation coefficient of 0.7. The resultant losses are converted to an evaporation loss per hour:

$$\frac{6.97inch}{mo}*0.7*\frac{mo}{31day}*\frac{day}{24hour} = \frac{0.007inch}{hour}$$

From 7PM (it only rains from 6pm to 7pm) until 8AM (13 hours), $Q_{runoff}$ sits in the pond and evaporates at a rate of 0.007inch/hour, over 2.5 acres:

$$\frac{0.007inch}{hour}*2.5acres*\frac{ft}{12inch} = \frac{0.0014acre-ft}{hour}$$

Therefore, at 8AM on October 10, there is

$$0.145\ acre-ft - \frac{0.0014acre-ft}{hour}*13hours = 0.126acre-ft$$

in the CSWP. Sprayback at a rate of 0.0357 acre-ft per hour (0.29 acre-ft per day if applied for 8 hours) then occurs. At 8AM, 0.0357 acre-ft of water is taken from the pond, and evaporative losses from this recirculation are estimated with Equation 4:

$$\%Loss = 20.7 + 0.185*(4.02)^2 - 2.14x10^{-3}*(89)^2 = 6.74\%$$

$$0.0357acre-ft*6.74\% = 0.0024acre-ft$$

Since 0.0024 acre-ft is lost to evaporation during spraying, only

*0.0357 acre-ft – 0.0024 acre-ft = 0.033 acre-ft*

of water is recirculated over the waste, resulting in an application of water at 8AM of

$$\frac{0.033 acre-ft}{6 acres} * \frac{12 inches}{ft} = 0.067 inches$$

At 9AM on October 9, there is

*0.124 acre-ft – 0.0357 acre-ft = 0.089 acre-ft*

of water in the pond. The evaporative losses from the pond are the same, 0.0014 acre-ft of water per hour, leaving

*0.089 acre-ft - 0.0014 acre-ft = 0.087 acre-ft*

in the CSWP. Then, 0.0357 acre-ft per hour is taken from the pond to recirculate over the waste, and water losses from spraying the water are estimated as above. This continues until 11AM, at which time there is 0.0144 acre-ft of water in the pond. After evaporation losses of 0.007inch/hour are applied, the pond volume is less than the maximum application rate of 0.0357 acre-ft per hour; thus, the pond is emptied and the remaining water (0.013 acre-ft) is sprayed onto the waste. Evaporative losses from the pond are accounted for as above, and the evaporative losses from spraying are calculated:

$$\%Loss = 20.7 + 0.185 * (4.02)^2 - 2.14x10^{-3} * (89)^2 = 6.74\%$$
$$0.013 acre-ft * 6.74\% = 0.00088 acre-ft$$

Since 0.00088 acre-ft of water are lost to evaporation, only

*0.013 acre-ft – 0.00088 acre-ft = 0.012 acre-ft*

of water is recirculated over the waste, resulting in an application of water at 11AM of

$$\frac{0.012 acre-ft}{6 acres} * \frac{12 inches}{ft} = 0.024 inches$$

At this time, the pond is empty thus stormwater recirculation ceases. At 6PM, measured precipitation is applied as described above and the process detailed is repeated. The steps of this calculation are included in the attached table for all days of 1986.

The measured precipitation for 1986 is 24.8 inches. The resultant precipitation in 1986 for input into UNSAT-H is 34.6 inches, indicating that 9.8 additional inches of water are applied to the waste from stormwater recirculation.

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The hydrologic properties of hazardous waste have not been studied to the same extent that municipal waste has been studied and therefore literature information is limited. The HELP model does not provide specific default values for hazardous waste and it is left to the program user to define these characteristics.

The waste was assigned soil texture numbers, initial moisture contents, and hydraulic conductivities which reflect expected actual conditions. The soil texture number of 7 corresponds to a silty sand material (SM) with default porosity of 0.473, field capacity of 0.222, wilting point of 0.104, and hydraulic conductivity of ~~5.4~~ 5.2 x $10^{-4}$cm/sec. The initial moisture content was set at 0.2055.

The hydraulic properties of the waste fill will depend on the characteristics of the incoming waste and the nature of the daily cover soil used. The physical characteristics of landfilled hazardous waste can vary widely from sludges to solids and debris. Contaminated soils and bulk solid materials, however, will make up a major proportion of these materials. Typically, the waste material is placed and compacted and covered with daily cover soil material. Since the surface of the waste fill must be trafficable to waste hauler trucks and other heavy earthmoving equipment, it is not an uncommon practice to increase the amount of daily cover soil placed when softer or sludgy type wastes are received. At the Triassic Park site sand and siltstone will be predominantly used as daily cover materials and incoming contaminated soils are also likely to have a high sand content. Bulk solid wastes such as filter cake material, bag house wastes, and other process wastes are fine grained with particle sizes in the silt range. Based on this, the soil texture corresponding to a sandy silt was selected for the waste material.

Based on previous experience at hazardous waste sites, the initial moisture contents of the waste for Years 0 through 1 were set at 0.2055 which corresponds to a moisture content of 15 percent.

### 4.2.2 Protective Soil

0.105

The protective soil layer placed on top of the liner prior to waste filling will be the same material used for daily soil cover with the exception that it will be screened to remove oversize rocks and cobbles. Based on evaluation of bulk samples taken at the site from the upper sand unit, a soil texture number of 4 corresponding to a silty sand was selected to model the protective soil layer. This soil texture has the following defaults: porosity of 0.473, field capacity of ~~0.0105~~, wilting point of 0.047, and hydraulic conductivity of 1.7 x $10^{-3}$cm/sec. The initial moisture content for this layer was set at 0.0863 which is consistent with the average moisture contents of 5.9 percent for the site's silty sand samples.

### 4.2.3 Lateral Drainage (Sand)

The lateral drainage sand material considered for use at the site will have to meet minimum hydraulic conductivities of 1 x $10^{-2}$cm/sec. Although no hydraulic testing of candidate site materials has been conducted, it is believed that this performance standard can be met with available material sources either in their natural state or with a minimal amount of screening and washing. The soil texture number of 1 which corresponds to a poorly graded sand was selected for this layer. This soil texture has the following defaults: porosity of 0.417, field capacity of 0.045, wilting point of 0.018, and hydraulic conductivity of 1 x $10^{-2}$cm/sec. Initial moisture content for this layer was set at 0.045 which equals the field capacity and therefore does not allow for water storage in the lateral drainage layer. It should be noted that the geotextile components of the sand drainage layer were not included in the this evaluation. Transmissities of this material exceeds those of the sand material and therefore this assumption is conservative.

### 4.2.4 Lateral Drainage (Geocomposite)

The geocomposite drainage material used in this analysis was a geotextile bonded to a geonet. The HELP model does not have a specific default for geocomposites so the default for the geonet was selected for this layer. The added capacity of the geotextile in this case is ignored and, as above, this assumption is conservative. The soil

specifies the initial notifications, steps to be taken in response to the leakage rate being exceeded, and follow-up reports.

The EPA recommended method for determining the landfill ALR presented in Federal Register Vol. 57, No. 19 and in reference No. 59 were used to calculate the ALR for the landfill facility. Using the flow equation for geonets and applying field representative geocomposite transmissivities and appropriate factors of safety for geonet creep and sediment clogging, the recommended ALR for the landfill was determined to be 900 gpad.

The ALR value of 900 gpad is above the EPA recommended value of 100 gpad. The primary reason for this difference is that the EPA value is based on a sand drainage layer with a permeability of 1 x $10^{-2}$ cm/sec compared to the geocomposite drainage layer transmissivity of $2.2 \times 10^{-4}$ $m^2$/sec proposed for the Triassic Park Landfill.

Additional computations to check the LDRS sump capacity and LDRS drain pipe capacity are also presented in the Appendix G.

Response Action Plan steps outlined in the Action Leakage Rate and Response Action Plan closely follow the recommended actions presented in Federal Register Volume 57, No. 19.

### 3.2.10 Surface Water Drainage Analyses

Design parameters for HDPE lined Channels 7 and 8 located above the landfill access ramps are presented on Drawing No. 25 (Sheet 2 of 2). The methodology, assumptions, and run-off calculations for these channels and the collection basins discussed below and are presented in Appendix F.

The clean stormwater collection basin located at the toe of the 2H:1V cut slope in the south end of landfill will contain the run-off from the 15 acres of unlined area of Phase 1A (above the access ramps). The total run-off from the 25-year, 24-hour event is approximately 4.5 ac-ft. Total volume of the detention pond assuming 1 foot of freeboard is 5.2 ac-ft.

The contaminated water basin at the toe of the Phase 1A waste fill slope is designed to contain the run-off from the entire 15.6 acre fill area of Phase 1A. The total run-off from the 25-year, 24-hour event is approximately 4.3 ac-ft. The contaminated water basin is approximately 560 feet by 200 feet and can store approximately 10.4 ac-ft assuming 1 foot of freeboard. The contaminated water basin will be constructed at the same time as the rest of the Phase 1A landfill so it can accommodate runoff from waste placed in Phase 1A.

$560 ft \times 200 ft = 112000 ft^2 * \frac{1 \text{ acre}}{43560 ft^2} = 2.57$ acres

### 3.2.11 Soil Erosion Analyses

Due to the temporary nature of the 2H:1V cut slope and the 3H:1V subgrade slopes above the access ramps, severe soil erosion of these slope areas is not anticipated. The 2H:1V cut slope will be excavated during future landfill construction and the 3H:1V subgrade areas above the access roads will be conditioned prior to liner placement as required in the specifications.

Erosional features such as rills and localized slumping in exposed areas of the protective soils layer on the 3H:1V slope areas will be repaired following rain events.

### 3.2.12 Frost Protection

The maximum frost depths in the Roswell area, indicates that frost may reach 23 inches during the winter months. In addition, site-specific frost penetration modeling for the site indicated a maximum design freezing

Appendix H-2. A chemical resistance chart for the tanks is provided in Appendix H-3.

The concrete containment pad will slope towards the landfill crest. A concrete pad will be placed in the loading/unloading areas for the tanker trucks. This pad will be sloped providing drainage toward the sump areas. Calculations on the bearing capacity of the concrete pad are detailed in Appendix E-35. Should a catastrophic failure of the tank or piping system occur, leachate will flow back into the landfill leachate collection system rather than be released to unlined areas. The landfill liner system anchor trench will completely encompass the pad so that any leakage through the pad will also drain back into the landfill leachate collection system. Construction details for the concrete containment pad are called out in Specification Section 03100, Concrete Formwork, Section 03200, Reinforcement Steel, Section 03290, Joints in Concrete, and Section 03300, Cast-in-Place Concrete.

### 3.1.4 Waste Filling Sequence

As mentioned previously in Section 3.1.2, landfill development will begin in Phase 1A, proceed southward into Phase 2, and then finish in Phase 3. The extent of landfill subphases will be based on waste receipt rates.

Liner installation in Phase 1A will take place in two stages: the slope and floor area below the access ramps and the slope area above the access ramps. The initial stage of the Phase 1A liner installation will consist of liner placement below the access ramps and is the only portion relevant to this permit application. The approximate area that will be lined during the Phase 1A construction is 14.9 acres which is delineated on Drawing No. 10.

Detailed planning for Phase 1B, Phase 2 and Phase 3 liner installation, access ramp location, and waste fill sequencing will be determined and permitted in the future, however, the ultimate landfill configuration will be developed as follows. Once the waste fill approaches the Phase 1A limits defined in Drawing No. 10, the cut slope will be advanced southward into Phase 2 and the remaining floor and slope areas of Phase 1 will be lined. At this time, the stormwater collection basin in the landfill will be removed from Phase 1 and re-established in Phase 2. Waste filling in Phase 1 will continue during this liner expansion. As the waste fill extends beyond and above the access ramps, a ramp will be established in the south waste fill slope to provide access to the newly lined floor areas of Phase 1.

Waste filling will take place in 5 to 10 foot thick horizontal lifts. Waste will be covered with daily cover soil as soon as practicable following waste placement (and minimally at the end of each operating shift). Daily cover soil thicknesses will be at least 0.5 ft.

B

Data Downloaded from www.ncdc.noaa.gov/oa/ncdc.html

| DSET | COOPID | WBNID | ELEM | UN | YEARMO | DAY01 | DAY02 | DAY03 | DAY04 | DAY05 | DAY06 | DAY07 | DAY08 | DAY09 | DAY10 | DAY11 | DAY12 | DAY13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3210 | 297610 | 23009 | PRCP | HI | 198601 | 0 | 0 | 0 | 0 | 0 | 20 | 47 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198602 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 4 | 31 | 8 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198603 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198604 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198605 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198606 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198607 | 66 | 22 | 2 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198608 | 0 | 8 | 16 | 12 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3210 | 297610 | 23009 | PRCP | HI | 198609 | 74 | 171 | 0 | 93 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 3210 | 297610 | 23009 | PRCP | HI | 198610 | 0 | 7 | 0 | 0 | 13 | 7 | 0 | 0 | 59 | 346 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 198611 | 0 | 70 | 79 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 3210 | 297610 | 23009 | PRCP | HI | 198612 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 18 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | TMAX | F | 198601 | 65 | 67 | 57 | 51 | 49 | 67 | 41 | 33 | 38 | 56 | 59 | 58 | 60 |
| 3210 | 297610 | 23009 | TMAX | F | 198602 | 71 | 65 | 68 | 54 | 43 | 49 | 41 | 28 | 29 | 25 | 28 | 29 | 46 |
| 3210 | 297610 | 23009 | TMAX | F | 198603 | 81 | 77 | 67 | 69 | 72 | 78 | 68 | 81 | 76 | 72 | 63 | 63 | 59 |
| 3210 | 297610 | 23009 | TMAX | F | 198604 | 72 | 80 | 68 | 74 | 79 | 85 | 92 | 82 | 68 | 79 | 81 | 85 | 86 |
| 3210 | 297610 | 23009 | TMAX | F | 198605 | 85 | 83 | 85 | 92 | 90 | 89 | 87 | 75 | 82 | 85 | 92 | 93 | 88 |
| 3210 | 297610 | 23009 | TMAX | F | 198606 | 77 | 79 | 79 | 89 | 89 | 97 | 100 | 87 | 90 | 90 | 83 | 92 | 93 |
| 3210 | 297610 | 23009 | TMAX | F | 198607 | 92 | 78 | 85 | 92 | 93 | 89 | 89 | 90 | 90 | 91 | 97 | 98 | 93 |
| 3210 | 297610 | 23009 | TMAX | F | 198608 | 98 | 98 | 89 | 91 | 94 | 95 | 96 | 91 | 92 | 90 | 90 | 92 | 95 |
| 3210 | 297610 | 23009 | TMAX | F | 198609 | 84 | 82 | 80 | 87 | 82 | 84 | 79 | 77 | 87 | 89 | 81 | 85 | 83 |
| 3210 | 297610 | 23009 | TMAX | F | 198610 | 88 | 76 | 82 | 77 | 62 | 61 | 74 | 83 | 75 | 70 | 64 | 43 | 66 |
| 3210 | 297610 | 23009 | TMAX | F | 198611 | 69 | 41 | 47 | 50 | 63 | 72 | 62 | 65 | 57 | 61 | 50 | 43 | 29 |
| 3210 | 297610 | 23009 | TMAX | F | 198612 | 58 | 66 | 58 | 42 | 53 | 53 | 67 | 58 | 38 | 32 | 42 | 51 | 54 |
| 3210 | 297610 | 23009 | TMIN | F | 198601 | 33 | 25 | 28 | 27 | 22 | 28 | 18 | 13 | 13 | 23 | 25 | 31 | 27 |
| 3210 | 297610 | 23009 | TMIN | F | 198602 | 36 | 43 | 34 | 30 | 24 | 18 | 23 | 21 | 19 | 14 | 21 | 19 | 26 |
| 3210 | 297610 | 23009 | TMIN | F | 198603 | 31 | 44 | 49 | 36 | 38 | 34 | 43 | 35 | 51 | 39 | 47 | 44 | 35 |
| 3210 | 297610 | 23009 | TMIN | F | 198604 | 51 | 47 | 46 | 40 | 41 | 49 | 57 | 51 | 46 | 40 | 51 | 50 | 57 |
| 3210 | 297610 | 23009 | TMIN | F | 198605 | 54 | 62 | 59 | 59 | 51 | 52 | 56 | 51 | 43 | 50 | 49 | 63 | 52 |
| 3210 | 297610 | 23009 | TMIN | F | 198606 | 53 | 60 | 59 | 62 | 60 | 63 | 64 | 61 | 61 | 58 | 58 | 60 | 62 |
| 3210 | 297610 | 23009 | TMIN | F | 198607 | 66 | 66 | 68 | 68 | 68 | 66 | 69 | 66 | 66 | 68 | 66 | 66 | 67 |
| 3210 | 297610 | 23009 | TMIN | F | 198608 | 66 | 67 | 65 | 64 | 65 | 67 | 68 | 68 | 64 | 67 | 65 | 66 | 71 |

B

| DSET | COOPID | WBNID | ELEM | UN | YEARMO | DAY01 | DAY02 | DAY03 | DAY04 | DAY05 | DAY06 | DAY07 | DAY08 | DAY09 | DAY10 | DAY11 | DAY12 | DAY13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3210 | 297610 | 23009 | TMIN | F | 198609 | 63 | 60 | 63 | 61 | 57 | 62 | 62 | 61 | 63 | 68 | 56 | 54 | 61 |
| 3210 | 297610 | 23009 | TMIN | F | 198610 | 47 | 59 | 56 | 52 | 54 | 51 | 50 | 47 | 53 | 54 | 43 | 37 | 38 |
| 3210 | 297610 | 23009 | TMIN | F | 198611 | 41 | 38 | 39 | 36 | 30 | 34 | 38 | 33 | 31 | 27 | 25 | 26 | 24 |
| 3210 | 297610 | 23009 | TMIN | F | 198612 | 25 | 23 | 28 | 27 | 40 | 44 | 39 | 36 | 32 | 25 | 23 | 20 | 22 |
| 3210 | 297610 | 23009 | PRCP | HI | 199801 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199802 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199803 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199804 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199806 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199807 | 0 | 17 | 0 | 62 | 2 | 0 | 0 | 20 | 1 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199808 | 0 | 21 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 69 | 4 |
| 3210 | 297610 | 23009 | PRCP | HI | 199809 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199810 | 154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199811 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | PRCP | HI | 199812 | 10 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| 3210 | 297610 | 23009 | TMAX | F | 199801 | 37 | 40 | 43 | 38 | 43 | 43 | 42 | 49 | 49 | 39 | 51 | 52 | 33 |
| 3210 | 297610 | 23009 | TMAX | F | 199802 | 55 | 66 | 63 | 39 | 47 | 55 | 62 | 68 | 64 | 59 | 56 | 48 | 62 |
| 3210 | 297610 | 23009 | TMAX | F | 199803 | 56 | 52 | 72 | 76 | 72 | 69 | 59 | 46 | 51 | 51 | 43 | 54 | 69 |
| 3210 | 297610 | 23009 | TMAX | F | 199804 | 77 | 64 | 68 | 77 | 79 | 72 | 70 | 68 | 71 | 79 | 86 | 82 | 76 |
| 3210 | 297610 | 23009 | TMAX | F | 199805 | 87 | 88 | 84 | 92 | 86 | 88 | 85 | 86 | 84 | 92 | 91 | 91 | 93 |
| 3210 | 297610 | 23009 | TMAX | F | 199806 | 108 | 106 | 103 | 94 | 85 | 79 | 95 | 93 | 96 | 81 | 88 | 97 | 100 |
| 3210 | 297610 | 23009 | TMAX | F | 199807 | 97 | 85 | 92 | 98 | 98 | 101 | 99 | 100 | 98 | 99 | 104 | 107 | 100 |
| 3210 | 297610 | 23009 | TMAX | F | 199808 | 93 | 93 | 92 | 79 | 79 | 86 | 97 | 99 | 98 | 97 | 97 | 90 | 85 |
| 3210 | 297610 | 23009 | TMAX | F | 199809 | 91 | 93 | 92 | 96 | 94 | 94 | 93 | 94 | 89 | 91 | 88 | 89 | 95 |
| 3210 | 297610 | 23009 | TMAX | F | 199810 | 79 | 84 | 90 | 87 | 71 | 72 | 77 | 83 | 86 | 92 | 88 | 80 | 90 |
| 3210 | 297610 | 23009 | TMAX | F | 199811 | 61 | 62 | 62 | 49 | 47 | 52 | 64 | 75 | 73 | 57 | 68 | 60 | 63 |
| 3210 | 297610 | 23009 | TMAX | F | 199812 | 66 | 56 | 61 | 70 | 74 | 54 | 46 | 48 | 48 | 41 | 46 | 56 | 60 |
| 3210 | 297610 | 23009 | TMIN | F | 199801 | 12 | 15 | 27 | 22 | 23 | 20 | 25 | 13 | 18 | 22 | 22 | 21 | 25 |
| 3210 | 297610 | 23009 | TMIN | F | 199802 | 32 | 22 | 32 | 34 | 34 | 35 | 28 | 40 | 36 | 34 | 25 | 26 | 21 |
| 3210 | 297610 | 23009 | TMIN | F | 199803 | 25 | 23 | 24 | 32 | 35 | 39 | 30 | 28 | 21 | 20 | 25 | 21 | 26 |
| 3210 | 297610 | 23009 | TMIN | F | 199804 | 28 | 44 | 38 | 35 | 36 | 39 | 37 | 41 | 34 | 37 | 43 | 44 | 41 |
| 3210 | 297610 | 23009 | TMIN | F | 199805 | 48 | 51 | 53 | 47 | 59 | 51 | 51 | 52 | 53 | 49 | 52 | 45 | 44 |

B

| DSET | COOPID | WBNID | ELEM | UN | YEARMO | DAY01 | DAY02 | DAY03 | DAY04 | DAY05 | DAY06 | DAY07 | DAY08 | DAY09 | DAY10 | DAY11 | DAY12 | DAY13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3210 | 297610 | 23009 | TMIN | F | 199806 | 57 | 60 | 64 | 63 | 57 | 55 | 57 | 60 | 60 | 54 | 51 | 62 | 67 |
| 3210 | 297610 | 23009 | TMIN | F | 199807 | 72 | 66 | 65 | 67 | 70 | 72 | 76 | 70 | 65 | 66 | 71 | 69 | 70 |
| 3210 | 297610 | 23009 | TMIN | F | 199808 | 68 | 70 | 66 | 64 | 63 | 60 | 61 | 63 | 61 | 66 | 68 | 65 | 65 |
| 3210 | 297610 | 23009 | TMIN | F | 199809 | 62 | 65 | 64 | 64 | 64 | 64 | 62 | 61 | 59 | 65 | 59 | 62 | 61 |
| 3210 | 297610 | 23009 | TMIN | F | 199810 | 61 | 58 | 53 | 62 | 48 | 43 | 44 | 42 | 46 | 48 | 48 | 51 | 54 |
| 3210 | 297610 | 23009 | TMIN | F | 199811 | 43 | 40 | 43 | 44 | 42 | 42 | 41 | 36 | 44 | 34 | 27 | 38 | 35 |
| 3210 | 297610 | 23009 | TMIN | F | 199812 | 35 | 43 | 41 | 35 | 38 | 35 | 28 | 20 | 24 | 32 | 28 | 23 | 28 |

B

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| YEARMO | DAY14 | DAY15 | DAY16 | DAY17 | DAY18 | DAY19 | DAY20 | DAY21 | DAY22 | DAY23 | DAY24 | DAY25 | DAY26 | DAY27 | DAY28 | DAY29 | DAY30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 198601 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198602 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -99999 | -99999 |
| 198603 | 4 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198604 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198605 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 1 | 0 | 6 | 51 |
| 198606 | 0 | 0 | 0 | 0 | 94 | 8 | 0 | 0 | 0 | 104 | 144 | 109 | 4 | 0 | 0 | 0 | 0 |
| 198607 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198608 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 17 | 0 | 0 | 85 | 40 | 26 | 3 | 11 |
| 198609 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 29 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 198610 | 0 | 0 | 0 | 18 | 0 | 0 | 11 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198611 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198612 | 0 | 0 | 8 | 26 | 10 | 0 | 0 | 26 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198601 | 60 | 68 | 67 | 71 | 62 | 74 | 77 | 72 | 52 | 64 | 70 | 53 | 55 | 60 | 77 | 61 | 71 |
| 198602 | 68 | 78 | 72 | 77 | 82 | 84 | 79 | 61 | 69 | 78 | 77 | 85 | 85 | 61 | 65 | -99999 | -99999 |
| 198603 | 52 | 68 | 74 | 68 | 57 | 56 | 59 | 72 | 80 | 81 | 82 | 83 | 77 | 78 | 82 | 80 | 85 |
| 198604 | 76 | 79 | 83 | 82 | 77 | 62 | 77 | 81 | 87 | 87 | 88 | 84 | 85 | 76 | 88 | 86 | 91 |
| 198605 | 89 | 92 | 89 | 57 | 74 | 86 | 94 | 97 | 94 | 84 | 93 | 79 | 77 | 73 | 82 | 80 | 77 |
| 198606 | 96 | 99 | 102 | 92 | 93 | 89 | 90 | 91 | 90 | 68 | 74 | 78 | 82 | 87 | 94 | 94 | 96 |
| 198607 | 86 | 88 | 92 | 91 | 91 | 94 | 92 | 86 | 86 | 91 | 94 | 98 | 100 | 101 | 100 | 99 | 100 |
| 198608 | 92 | 94 | 96 | 98 | 97 | 98 | 103 | 94 | 92 | 82 | 85 | 86 | 89 | 80 | 68 | 78 | 85 |
| 198609 | 85 | 88 | 85 | 91 | 93 | 93 | 91 | 90 | 85 | 84 | 79 | 83 | 85 | 86 | 85 | 86 | 82 |
| 198610 | 72 | 72 | 70 | 76 | 80 | 63 | 61 | 78 | 70 | 66 | 69 | 70 | 72 | 77 | 82 | 66 | 75 |
| 198611 | 53 | 60 | 71 | 76 | 64 | 74 | 61 | 66 | 74 | 48 | 52 | 61 | 48 | 61 | 67 | 70 | 63 |
| 198612 | 58 | 63 | 49 | 45 | 41 | 52 | 55 | 43 | 37 | 47 | 49 | 48 | 53 | 52 | 51 | 55 | 59 |
| 198601 | 28 | 29 | 37 | 30 | 37 | 29 | 30 | 36 | 30 | 24 | 31 | 25 | 21 | 24 | 26 | 39 | 27 |
| 198602 | 37 | 39 | 46 | 40 | 42 | 42 | 47 | 33 | 34 | 32 | 42 | 39 | 45 | 43 | 34 | -99999 | -99999 |
| 198603 | 35 | 34 | 31 | 40 | 32 | 39 | 34 | 30 | 35 | 36 | 40 | 42 | 45 | 45 | 44 | 50 | 48 |
| 198604 | 39 | 47 | 48 | 54 | 42 | 41 | 37 | 44 | 48 | 50 | 51 | 59 | 57 | 49 | 45 | 58 | 60 |
| 198605 | 57 | 55 | 54 | 43 | 38 | 47 | 53 | 56 | 61 | 56 | 62 | 59 | 57 | 55 | 52 | 55 | 54 |
| 198606 | 65 | 65 | 67 | 66 | 63 | 65 | 65 | 63 | 66 | 63 | 63 | 64 | 65 | 65 | 66 | 68 | 69 |
| 198607 | 67 | 65 | 66 | 64 | 65 | 62 | 64 | 67 | 67 | 65 | 65 | 65 | 64 | 68 | 67 | 65 | 65 |
| 198608 | 70 | 71 | 67 | 69 | 67 | 67 | 66 | 73 | 66 | 66 | 64 | 61 | 65 | 66 | 62 | 63 | 65 |

B

| YEARMO | DAY14 | DAY15 | DAY16 | DAY17 | DAY18 | DAY19 | DAY20 | DAY21 | DAY22 | DAY23 | DAY24 | DAY25 | DAY26 | DAY27 | DAY28 | DAY29 | DAY30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 198609 | 62 | 59 | 63 | 58 | 59 | 65 | 63 | 63 | 65 | 61 | 53 | 51 | 51 | 49 | 56 | 59 | 48 |
| 198610 | 36 | 39 | 43 | 44 | 46 | 57 | 56 | 50 | 43 | 46 | 49 | 46 | 44 | 43 | 40 | 45 | 42 |
| 198611 | 26 | 35 | 40 | 43 | 49 | 42 | 39 | 32 | 36 | 30 | 24 | 22 | 30 | 24 | 26 | 28 | 33 |
| 198612 | 26 | 26 | 34 | 33 | 32 | 24 | 27 | 37 | 33 | 29 | 29 | 30 | 27 | 25 | 29 | 26 | 22 |
| 199801 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199802 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -99999 | -99999 |
| 199803 | 0 | 21 | 43 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 199804 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199806 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199807 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 199808 | 0 | 0 | 0 | 0 | 0 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 11 | 0 | 0 |
| 199809 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 5 |
| 199810 | 0 | 0 | 0 | 0 | 0 | 11 | 78 | 4 | 1 | 1 | 0 | 0 | 0 | 148 | 0 | 0 | 179 |
| 199811 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 |
| 199812 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199801 | 52 | 53 | 62 | 66 | 63 | 60 | 63 | 52 | 53 | 55 | 59 | 66 | 60 | 69 | 67 | 60 | 67 |
| 199802 | 69 | 56 | 57 | 58 | 56 | 56 | 54 | 61 | 70 | 72 | 81 | 60 | 55 | 52 | 51 | -99999 | -99999 |
| 199803 | 70 | 63 | 53 | 57 | 67 | 56 | 53 | 68 | 82 | 88 | 87 | 90 | 84 | 76 | 80 | 79 | 59 |
| 199804 | 82 | 75 | 66 | 55 | 63 | 71 | 70 | 69 | 76 | 89 | 91 | 84 | 70 | 64 | 67 | 75 | 84 |
| 199805 | 87 | 82 | 93 | 94 | 97 | 99 | 98 | 92 | 95 | 93 | 95 | 85 | 90 | 97 | 98 | 101 | 101 |
| 199806 | 95 | 89 | 101 | 100 | 96 | 105 | 106 | 104 | 104 | 105 | 108 | 108 | 108 | 108 | 110 | 106 | 101 |
| 199807 | 100 | 100 | 92 | 93 | 97 | 102 | 101 | 99 | 97 | 96 | 98 | 95 | 91 | 90 | 97 | 100 | 102 |
| 199808 | 90 | 92 | 95 | 93 | 92 | 90 | 84 | 89 | 92 | 93 | 96 | 94 | 92 | 96 | 90 | 91 | 93 |
| 199809 | 94 | 88 | 87 | 89 | 90 | 95 | 95 | 97 | 85 | 90 | 96 | 96 | 96 | 96 | 92 | 91 | 87 |
| 199810 | 90 | 91 | 82 | 74 | 70 | 69 | 55 | 53 | 57 | 62 | 70 | 77 | 79 | 64 | 72 | 73 | 78 |
| 199811 | 74 | 74 | 74 | 74 | 76 | 70 | 48 | 69 | 76 | 72 | 76 | 72 | 74 | 73 | 77 | 57 | 65 |
| 199812 | 60 | 56 | 61 | 56 | 71 | 46 | 71 | 50 | 27 | 32 | 39 | 61 | 64 | 69 | 70 | 65 | 63 |
| 199801 | 23 | 19 | 30 | 27 | 33 | 26 | 34 | 33 | 24 | 25 | 24 | 26 | 28 | 25 | 25 | 24 | 27 |
| 199802 | 39 | 37 | 26 | 28 | 37 | 35 | 27 | 36 | 29 | 34 | 33 | 38 | 34 | 29 | 16 | -99999 | -99999 |
| 199803 | 38 | 47 | 42 | 37 | 35 | 30 | 31 | 30 | 33 | 40 | 44 | 45 | 51 | 44 | 39 | 51 | 38 |
| 199804 | 40 | 41 | 38 | 33 | 28 | 34 | 42 | 37 | 40 | 40 | 47 | 51 | 45 | 44 | 38 | 39 | 45 |
| 199805 | 51 | 48 | 45 | 54 | 58 | 62 | 61 | 63 | 59 | 54 | 50 | 59 | 53 | 52 | 55 | 58 | 57 |

B

| YEARMO | DAY14 | DAY15 | DAY16 | DAY17 | DAY18 | DAY19 | DAY20 | DAY21 | DAY22 | DAY23 | DAY24 | DAY25 | DAY26 | DAY27 | DAY28 | DAY29 | DAY30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 199806 | 62 | 59 | 56 | 60 | 61 | 57 | 62 | 63 | 63 | 64 | 65 | 65 | 69 | 65 | 65 | 65 | 66 |
| 199807 | 67 | 67 | 66 | 70 | 69 | 66 | 69 | 68 | 68 | 66 | 72 | 69 | 71 | 70 | 71 | 72 | 66 |
| 199808 | 61 | 63 | 61 | 60 | 65 | 68 | 66 | 65 | 64 | 63 | 64 | 67 | 66 | 68 | 71 | 67 | 57 |
| 199809 | 64 | 65 | 61 | 62 | 61 | 64 | 64 | 68 | 59 | 61 | 63 | 62 | 61 | 61 | 66 | 64 | 65 |
| 199810 | 56 | 59 | 51 | 43 | 40 | 53 | 49 | 49 | 50 | 50 | 47 | 50 | 58 | 48 | 42 | 42 | 56 |
| 199811 | 34 | 39 | 37 | 34 | 40 | 42 | 35 | 30 | 31 | 34 | 31 | 36 | 31 | 35 | 38 | 40 | 33 |
| 199812 | 22 | 28 | 25 | 27 | 35 | 30 | 39 | 17 | 11 | 14 | 19 | 15 | 20 | 31 | 26 | 34 | 27 |

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| YEARMO | DAY31 |
|---|---|
| 198601 | 0 |
| 198602 | -99999 |
| 198603 | 0 |
| 198604 | -99999 |
| 198605 | 25 |
| 198606 | -99999 |
| 198607 | 0 |
| 198608 | 29 |
| 198609 | -99999 |
| 198610 | 0 |
| 198611 | -99999 |
| 198612 | 0 |
| 198601 | 70 |
| 198602 | -99999 |
| 198603 | 88 |
| 198604 | -99999 |
| 198605 | 69 |
| 198606 | -99999 |
| 198607 | 98 |
| 198608 | 89 |
| 198609 | -99999 |
| 198610 | 80 |
| 198611 | -99999 |
| 198612 | 52 |
| 198601 | 32 |
| 198602 | -99999 |
| 198603 | 49 |
| 198604 | -99999 |
| 198605 | 57 |
| 198606 | -99999 |
| 198607 | 64 |
| 198608 | 65 |

B

| YEARMO | DAY31 |
|---|---|
| 198609 | -99999 |
| 198610 | 47 |
| 198611 | -99999 |
| 198612 | 22 |
| 199801 | 0 |
| 199802 | -99999 |
| 199803 | 0 |
| 199804 | -99999 |
| 199805 | 0 |
| 199806 | -99999 |
| 199807 | 0 |
| 199808 | 0 |
| 199809 | -99999 |
| 199810 | 15 |
| 199811 | -99999 |
| 199812 | 0 |
| 199801 | 64 |
| 199802 | -99999 |
| 199803 | 66 |
| 199804 | -99999 |
| 199805 | 99 |
| 199806 | -99999 |
| 199807 | 86 |
| 199808 | 93 |
| 199809 | -99999 |
| 199810 | 62 |
| 199811 | -99999 |
| 199812 | 52 |
| 199801 | 31 |
| 199802 | -99999 |
| 199803 | 32 |
| 199804 | -99999 |
| 199805 | 55 |

B

| YEARMO | DAY31 |
|---|---|
| 199806 | -99999 |
| 199807 | 66 |
| 199808 | 60 |
| 199809 | -99999 |
| 199810 | 46 |
| 199811 | -99999 |
| 199812 | 36 |

C

WRCC pan evap data.txt
Evaporation Stations

Standard daily pan evaporation is measured using the four-foot diameter Class A evaporation pan.
The pan water level reading is adjusted when precipitation is measure to obtain the actual evaporation.
Most Class A pans are installed above ground, allowing effects such as radiation on the side walls and
heat exchnges with the pan material. These effects tend ~~to increase~~ the evaporation totals. The amounts
can then be adjusted by multiplying the totals b 0.70 or 0.80 to more closely estimate the evaporation
from naturally existing urfaces such as a shallow lake, wet soil or other moist natural surfaces.

0.7 CONSERVATIVE

Many stations do not measure pan evaportation during winter months. A "0.00" total indicates no measuement is taken.

Stations marked with an asterisk (*) have estimated totals computed from meteorological measurements using a
form of the Penman equation.

Click on a State: Arizona <#ARIZONA>, California <#CALIFORNIA>, Colorado <#COLORADO>, Hawaii & Pacific Islands <#HAWAII/PACIFIC ISLANDS>, Idaho <#IDAHO>, Montana <#MONTANA>, Nevada <#N
EVADA>,
New Mexico <#NEW MEXICO>, Oregon <#OREGON>, Utah <#UTAH>, Washington <#WASHINGTON>, Wyoming <#WYOMING>

NEW MEXICO

MONTHLY AVERAGE PAN EVAPORATION (INCHES)

| | PERIOD OF RECORD | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ABIQUIU DAM | 1957-2005 | 0.00 | 0.00 | 6.06 | 7.43 | 9.95 | 11.39 | 10.52 | 8.90 | 7.23 | 5.30 | 3.13 | 2.22 | 72.13 |
| AGRICULTURAL COLLEGE | 1892-1959 | 3.01 | 4.00 | 7.89 | 10.20 | 8.65 | 13.99 | 12.33 | 11.16 | 8.31 | 6.28 | 4.35 | 2.89 | 93.06 |
| ALAMOGORDO DAM | 1939-1975 | 3.73 | 4.35 | 8.21 | 11.30 | 12.88 | 14.43 | 13.66 | 11.59 | 9.17 | 7.19 | 4.89 | 3.46 | 104.86 |
| ANIMAS | 1923-2005 | 3.87 | 4.91 | 8.29 | 10.78 | 12.36 | 14.25 | 11.60 | 11.07 | 8.54 | 6.71 | 4.69 | 3.61 | 100.68 |
| ARTESIA 6 S | 1914-2005 | 4.38 | 3.03 | 7.25 | 7.66 | 12.11 | 13.13 | 10.86 | 10.44 | 9.36 | 6.34 | 3.12 | 0.00 | 87.68 |
| BITTER LAKES WL REFUGE | 1950-2005 | 2.67 | 3.93 | 6.82 | 9.60 | 11.31 | 12.62 | 11.88 | 10.16 | 8.02 | 5.85 | 3.53 | 2.50 | 88.89 |
| BOSQUE DEL APACHE | 1914-2005 | 3.21 | 4.20 | 7.76 | 10.20 | 11.61 | 13.13 | 11.56 | 10.36 | 8.03 | 6.25 | 3.66 | 2.54 | 92.51 |
| BRANTLEY DAM | 1987-2005 | 4.65 | 0.00 | 8.62 | 11.77 | 14.61 | 15.46 | 14.19 | 12.22 | 9.88 | 7.97 | 5.77 | 4.34 | 109.48 |
| CABALLO DAM | 1938-2005 | 4.42 | 5.10 | 8.56 | 11.37 | 13.59 | 14.80 | 13.08 | 11.35 | 9.26 | 7.27 | 4.78 | 3.48 | 107.06 |
| CAPULIN NATL MONUMENT | 1966-1979 | 0.00 | 0.00 | 0.00 | 0.00 | 9.08 | 10.57 | 9.71 | 9.18 | 7.65 | 0.00 | 0.00 | 0.00 | 46.19 |
| CLOVIS 13 N | 1929-2005 | 3.83 | 4.12 | 6.63 | 8.72 | 10.15 | 11.45 | 11.65 | 9.55 | 7.64 | 5.78 | 3.95 | 3.21 | 86.68 |
| COCHITI DAM | 1975-2005 | 0.00 | 4.14 | 6.44 | 8.48 | 11.07 | 12.95 | 12.38 | 10.62 | 8.91 | 6.29 | 3.94 | 2.79 | 88.01 |

D

# History for Roswell, NM

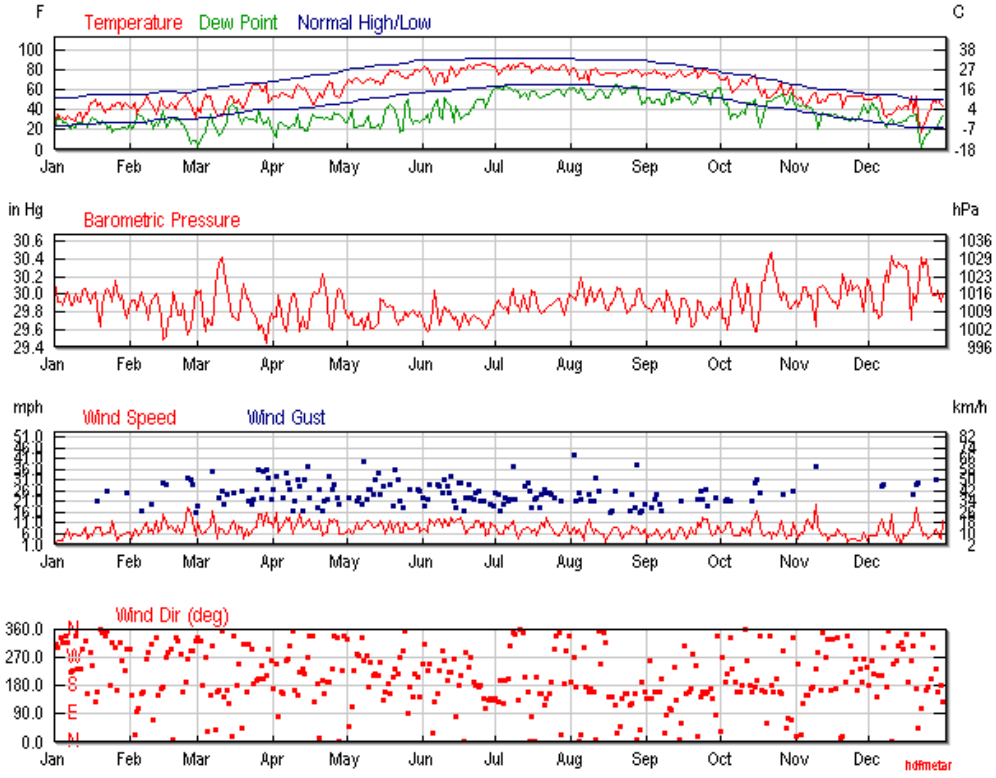
January 1, 1998 through December 31, 1998 — View Current Conditions

**January 1, 1998 through December 31, 1998**

January 1 1998 - TO - December 31 1998 Go

Daily Weekly Monthly **Custom**

| | Max | Avg | Min | Sum |
|---|---|---|---|---|
| Temperature | | | | |
| Max Temperature | **111** °F | **76** °F | **26** °F | |
| Mean Temperature | **88** °F | **61** °F | **18** °F | |
| Min Temperature | **79** °F | **47** °F | **10** °F | |
| Degree Days | | | | |
| Heating Degree Days (base 65) | 47 | 9 | 0 | 3349 |
| Cooling Degree Days (base 65) | 24 | 6 | 0 | 2085 |
| Growing Degree Days (base 50) | 38 | 14 | 0 | 5136 |
| Dew Point | | | | |
| Dew Point | **72** °F | **38** °F | **-6** °F | |
| Precipitation | | | | |
| Precipitation | **1.78** in | **0.03** in | **0.00** in | **10.93** in |
| Snowdepth | - | - | - | - |
| Wind | | | | |
| Wind | **45** mph | **8** mph | **0** mph | |
| Gust Wind | **56** mph | **25** mph | **16** mph | |
| Sea Level Pressure | | | | |
| Sea Level Pressure | **30.62** in | **29.89** in | **29.33** in | |




Certify This Report

## Observations

| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | high | sum | |
| 1 | 36 | 24 | 12 | 30 | 19 | 10 | 100 | 91 | 79 | 30.25 | 30.16 | 30.09 | 10 | 4 | 0 | 5 | 2 | - | 0.00 | Fog |
| 2 | 39 | 29 | 19 | 33 | 26 | 18 | 96 | 88 | 73 | 30.09 | 30.03 | 29.95 | 10 | 9 | 5 | 8 | 2 | - | 0.00 | Snow |
| 3 | 42 | 36 | 27 | 36 | 33 | 25 | 100 | 92 | 79 | 29.97 | 29.92 | 29.83 | 10 | 5 | 0 | 8 | 3 | - | 0.00 | Fog |
| 4 | 37 | 30 | 24 | 36 | 30 | 21 | 100 | 97 | 86 | 30.00 | 29.91 | 29.88 | 10 | 2 | 0 | 12 | 3 | 21 | 0.00 | Fog |
| 5 | 42 | 32 | 23 | 35 | 28 | 21 | 100 | 95 | 62 | 29.92 | 29.88 | 29.82 | 10 | 3 | 0 | 12 | 3 | - | 0.00 | Fog |
| 6 | 42 | 30 | 19 | 31 | 27 | 17 | 100 | 88 | 51 | 30.15 | 29.99 | 29.91 | 10 | 6 | 0 | 26 | 6 | 31 | 0.00 | Fog , Snow |
| 7 | 41 | 34 | 24 | 31 | 26 | 19 | 100 | 75 | 49 | 30.11 | 30.02 | 29.92 | 10 | 9 | 2 | 17 | 8 | - | 0.00 | Snow |
| 8 | 48 | 30 | 12 | 29 | 21 | 9 | 92 | 72 | 39 | 29.93 | 29.87 | 29.81 | 10 | 10 | 10 | 14 | 4 | - | 0.00 | Rain |
| 9 | 39 | 30 | 21 | 30 | 24 | 19 | 89 | 72 | 53 | 29.99 | 29.87 | 29.79 | 10 | 10 | 10 | 12 | 6 | - | 0.00 | |
| 10 | 37 | 29 | 21 | 29 | 23 | 20 | 100 | 88 | 68 | 30.08 | 30.01 | 29.91 | 10 | 5 | 0 | 10 | 6 | - | 0.00 | |
| 11 | 50 | 36 | 23 | 35 | 27 | 20 | 89 | 74 | 52 | 30.01 | 29.93 | 29.87 | 10 | 8 | 5 | 12 | 5 | - | 0.00 | |
| 12 | 50 | 37 | 24 | 32 | 27 | 21 | 88 | 68 | 43 | 30.00 | 29.91 | 29.86 | 10 | 10 | 10 | 8 | 5 | - | 0.00 | |
| 13 | 33 | 29 | 25 | 32 | 28 | 24 | 100 | 95 | 85 | 30.14 | 30.05 | 29.98 | 10 | 1 | 0 | 10 | 6 | - | 0.00 | Fog |
| 14 | 51 | 38 | 24 | 32 | 26 | 22 | 100 | 75 | 38 | 30.19 | 30.07 | 30.00 | 10 | 8 | 0 | 15 | 9 | - | 0.00 | Fog |
| 15 | 53 | 36 | 19 | 31 | 23 | 15 | 88 | 63 | 38 | 30.13 | 29.98 | 29.81 | 10 | 10 | 10 | 13 | 4 | - | 0.00 | |
| 16 | 62 | 47 | 32 | 36 | 30 | 23 | 86 | 58 | 32 | 30.04 | 29.89 | 29.78 | 10 | 10 | 10 | 21 | 6 | 29 | 0.00 | |
| 17 | 66 | 47 | 28 | 41 | 32 | 25 | 89 | 62 | 36 | 30.11 | 29.98 | 29.85 | 10 | 10 | 10 | 17 | 5 | - | 0.00 | |
| 18 | 63 | 50 | 33 | 32 | 30 | 23 | 79 | 52 | 22 | 30.12 | 30.03 | 29.90 | 10 | 10 | 10 | 22 | 9 | 16 | 0.00 | |
| 19 | 60 | 44 | 28 | 33 | 28 | 21 | 81 | 55 | 36 | 30.08 | 29.83 | 29.57 | 10 | 10 | 10 | 20 | 9 | 21 | 0.00 | |
| 20 | 63 | 48 | 34 | 30 | 26 | 21 | 75 | 43 | 23 | 29.78 | 29.64 | 29.54 | 10 | 10 | 10 | 16 | 9 | - | 0.00 | |
| 21 | 50 | 42 | 33 | 34 | 29 | 24 | 79 | 61 | 46 | 29.96 | 29.87 | 29.76 | 10 | 10 | 10 | 8 | 5 | - | 0.00 | |
| 22 | 52 | 38 | 24 | 31 | 27 | 23 | 100 | 75 | 34 | 30.11 | 30.02 | 29.95 | 10 | 9 | 1 | 16 | 6 | 21 | 0.00 | |
| 23 | 54 | 40 | 26 | 26 | 20 | 12 | 85 | 55 | 20 | 30.17 | 30.07 | 29.93 | 10 | 10 | 10 | 21 | 7 | 28 | 0.00 | |
| 24 | 57 | 40 | 24 | 30 | 24 | 20 | 84 | 58 | 28 | 30.12 | 29.99 | 29.85 | 10 | 10 | 10 | 16 | 7 | - | 0.00 | |
| 25 | 66 | 46 | 27 | 31 | 18 | 6 | 85 | 40 | 10 | 30.13 | 29.92 | 29.84 | 10 | 10 | 10 | 32 | 12 | 39 | 0.00 | |
| 26 | 59 | 44 | 28 | 23 | 20 | 17 | 69 | 44 | 20 | 30.24 | 30.16 | 30.06 | 10 | 10 | 10 | 9 | 6 | - | 0.00 | |
| 27 | 69 | 48 | 27 | 25 | 21 | 14 | 75 | 44 | 14 | 30.16 | 30.04 | 29.90 | 10 | 10 | 10 | 12 | 3 | - | 0.00 | |
| 28 | 66 | 47 | 28 | 25 | 20 | 15 | 69 | 42 | 14 | 30.00 | 29.93 | 29.84 | 10 | 10 | 10 | 9 | 5 | - | 0.00 | |
| 29 | 57 | 40 | 24 | 28 | 22 | 17 | 75 | 47 | 24 | 30.12 | 29.98 | 29.86 | 10 | 10 | 10 | 8 | 5 | - | 0.00 | |
| 30 | 66 | 47 | 28 | 27 | 22 | 17 | 78 | 47 | 15 | 29.85 | 29.76 | 29.64 | 10 | 10 | 10 | 21 | 6 | 20 | 0.00 | |
| 31 | 63 | 46 | 30 | 29 | 21 | 12 | 76 | 41 | 14 | 29.79 | 29.73 | 29.66 | 10 | 10 | 10 | 23 | 7 | 28 | 0.00 | |
| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
| Feb | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | high | sum | |
| 1 | 54 | 43 | 32 | 30 | 25 | 22 | 73 | 54 | 30 | 29.94 | 29.88 | 29.75 | 10 | 10 | 10 | 10 | 7 | - | 0.00 | |
| 2 | 64 | 42 | 21 | 25 | 21 | 16 | 78 | 46 | 16 | 30.02 | 29.93 | 29.83 | 10 | 10 | 10 | 12 | 4 | 17 | 0.00 | |
| 3 | 62 | 48 | 35 | 33 | 25 | 19 | 79 | 46 | 20 | 30.04 | 29.94 | 29.86 | 10 | 10 | 10 | 13 | 8 | - | 0.00 | |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 39 | 36 | 33 | 37 | 34 | 29 | 100 | 91 | 76 | 29.92 | 29.82 | 29.72 | 10 | 7 | 2 | 13 | 7 | - | 0.05 | Rain |
| 5 | 46 | 40 | 35 | 39 | 36 | 32 | 100 | 91 | 63 | 30.07 | 29.87 | 29.77 | 10 | 5 | 0 | 20 | 5 | 25 | 0.04 | Fog , Rain |
| 6 | 54 | 44 | 35 | 34 | 34 | 32 | 96 | 75 | 43 | 30.13 | 30.03 | 29.93 | 10 | 10 | 7 | 12 | 7 | 17 | 0.00 | |
| 7 | 62 | 46 | 30 | 36 | 31 | 23 | 100 | 73 | 28 | 30.02 | 29.92 | 29.75 | 10 | 6 | 0 | 17 | 8 | - | 0.00 | |
| 8 | 66 | 54 | 42 | 37 | 26 | 21 | 66 | 37 | 17 | 29.96 | 29.83 | 29.71 | 10 | 10 | 10 | 20 | 11 | - | 0.00 | |
| 9 | 62 | 50 | 39 | 37 | 31 | 19 | 79 | 53 | 19 | 29.77 | 29.71 | 29.62 | 10 | 10 | 10 | 18 | 7 | 29 | 0.00 | |
| 10 | 55 | 45 | 35 | 37 | 28 | 22 | 83 | 53 | 27 | 30.05 | 29.94 | 29.76 | 10 | 10 | 9 | 17 | 8 | 22 | 0.00 | Rain |
| 11 | 55 | 42 | 28 | 24 | 21 | 16 | 72 | 47 | 23 | 30.09 | 29.96 | 29.84 | 10 | 10 | 10 | 13 | 6 | - | 0.00 | |
| 12 | 46 | 36 | 27 | 32 | 27 | 21 | 89 | 60 | 43 | 30.12 | 30.01 | 29.84 | 10 | 10 | 10 | 30 | 12 | 38 | 0.00 | |
| 13 | 61 | 41 | 21 | 32 | 24 | 18 | 100 | 61 | 19 | 30.09 | 29.94 | 29.81 | 10 | 8 | 0 | 15 | 7 | - | 0.00 | Fog |
| 14 | 64 | 52 | 41 | 45 | 32 | 26 | 93 | 52 | 26 | 29.88 | 29.75 | 29.63 | 10 | 10 | 10 | 22 | 8 | 25 | 0.00 | |
| 15 | 54 | 46 | 37 | 45 | 39 | 31 | 96 | 77 | 41 | 29.69 | 29.49 | 29.37 | 10 | 9 | 5 | 24 | 15 | 33 | 0.01 | Rain |
| 16 | 57 | 42 | 26 | 32 | 22 | 16 | 89 | 47 | 21 | 29.69 | 29.52 | 29.44 | 10 | 10 | 10 | 25 | 11 | 38 | 0.01 | |
| 17 | 57 | 42 | 28 | 32 | 24 | 15 | 82 | 47 | 26 | 29.83 | 29.73 | 29.66 | 10 | 10 | 10 | 15 | 8 | - | 0.00 | |
| 18 | 55 | 47 | 39 | 39 | 33 | 21 | 82 | 63 | 38 | 29.92 | 29.74 | 29.63 | 10 | 10 | 9 | 20 | 10 | 25 | 0.03 | Rain |
| 19 | 55 | 46 | 35 | 34 | 32 | 26 | 87 | 62 | 34 | 30.14 | 30.03 | 29.93 | 10 | 10 | 10 | 13 | 8 | - | 0.00 | |
| 20 | 52 | 40 | 27 | 35 | 29 | 23 | 85 | 64 | 38 | 29.99 | 29.87 | 29.78 | 10 | 10 | 10 | 15 | 7 | - | 0.00 | |
| 21 | 60 | 48 | 36 | 37 | 32 | 26 | 86 | 58 | 31 | 29.84 | 29.77 | 29.72 | 10 | 10 | 10 | 17 | 10 | - | 0.00 | |
| 22 | 70 | 50 | 30 | 30 | 25 | 20 | 82 | 43 | 16 | 29.84 | 29.76 | 29.67 | 10 | 10 | 10 | 22 | 6 | 30 | 0.00 | |
| 23 | 71 | 53 | 35 | 33 | 25 | 18 | 73 | 38 | 15 | 29.99 | 29.90 | 29.83 | 10 | 10 | 10 | 14 | 7 | - | 0.00 | |
| 24 | 79 | 56 | 34 | 30 | 21 | 12 | 67 | 29 | 8 | 29.88 | 29.64 | 29.43 | 10 | 10 | 6 | 32 | 14 | 41 | 0.00 | |
| 25 | 60 | 50 | 39 | 23 | 15 | 7 | 45 | 27 | 15 | 29.60 | 29.54 | 29.48 | 10 | 10 | 10 | 29 | 18 | 41 | 0.00 | |
| 26 | 54 | 44 | 35 | 19 | 6 | -3 | 50 | 24 | 10 | 29.71 | 29.63 | 29.58 | 10 | 10 | 10 | 29 | 16 | 41 | 0.00 | |
| 27 | 50 | 40 | 30 | 19 | 9 | 2 | 38 | 30 | 15 | 29.92 | 29.77 | 29.69 | 10 | 10 | 10 | 28 | 12 | 32 | 0.00 | |
| 28 | 50 | 33 | 16 | 23 | 9 | -6 | 74 | 40 | 10 | 30.13 | 30.04 | 29.94 | 10 | 10 | 10 | 17 | 5 | 16 | 0.00 | |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Mar** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 55 | 42 | 28 | 7 | 3 | -1 | 38 | 23 | 11 | 30.10 | 30.00 | 29.86 | 10 | 10 | 10 | 18 | 11 | 21 | 0.00 | |
| 2 | 51 | 38 | 24 | 13 | 9 | 2 | 53 | 35 | 21 | 30.16 | 30.05 | 29.99 | 10 | 10 | 10 | 14 | 7 | - | 0.00 | |
| 3 | 71 | 48 | 25 | 17 | 14 | 9 | 58 | 30 | 12 | 30.01 | 29.79 | 29.59 | 10 | 10 | 10 | 14 | 6 | 18 | 0.00 | |
| 4 | 75 | 55 | 35 | 20 | 17 | 11 | 44 | 25 | 11 | 29.65 | 29.58 | 29.50 | 10 | 10 | 10 | 16 | 7 | - | 0.00 | |
| 5 | 71 | 53 | 35 | 33 | 27 | 20 | 78 | 42 | 15 | 29.88 | 29.73 | 29.61 | 10 | 9 | 5 | 17 | 8 | - | 0.00 | |
| 6 | 68 | 54 | 39 | 39 | 36 | 32 | 82 | 57 | 30 | 29.83 | 29.65 | 29.48 | 10 | 10 | 10 | 25 | 10 | 39 | 0.00 | |
| 7 | 57 | 44 | 30 | 41 | 29 | 8 | 100 | 75 | 16 | 29.96 | 29.66 | 29.42 | 10 | 7 | 2 | 32 | 17 | 47 | 0.05 | Snow |
| 8 | 46 | 37 | 28 | 25 | 21 | 16 | 82 | 56 | 39 | 30.16 | 30.08 | 29.95 | 10 | 10 | 10 | 14 | 9 | - | 0.00 | |
| 9 | 50 | 36 | 23 | 19 | 17 | 14 | 77 | 49 | 27 | 30.35 | 30.24 | 30.14 | 10 | 10 | 10 | 12 | 4 | 17 | 0.00 | |
| 10 | 50 | 34 | 19 | 16 | 14 | 9 | 63 | 46 | 26 | 30.50 | 30.34 | 30.21 | 10 | 10 | 10 | 20 | 9 | 25 | 0.00 | |
| 11 | 42 | 34 | 26 | 23 | 18 | 14 | 69 | 53 | 38 | 30.56 | 30.41 | 30.25 | 10 | 10 | 10 | 25 | 8 | 31 | 0.00 | |
| 12 | 54 | 38 | 21 | 26 | 22 | 16 | 80 | 59 | 34 | 30.46 | 30.27 | 30.10 | 10 | 10 | 9 | 17 | 7 | 21 | 0.00 | |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 69 | 48 | 26 | 35 | 28 | 21 | 85 | 54 | 22 | 30.20 | 30.06 | 29.94 | 10 | 10 | 10 | 17 | 6 | 24 | 0.00 | |
| 14 | 68 | 52 | 37 | 49 | 42 | 35 | 93 | 74 | 37 | 30.13 | 29.96 | 29.83 | 10 | 10 | 4 | 18 | 7 | - | 0.00 | |
| 15 | 61 | 54 | 46 | 54 | 46 | 39 | 100 | 80 | 46 | 29.90 | 29.75 | 29.65 | 10 | 9 | 2 | 20 | 11 | 24 | 0.21 | Rain |
| 16 | 52 | 47 | 42 | 48 | 44 | 41 | 100 | 91 | 77 | 29.81 | 29.75 | 29.65 | 10 | 8 | 2 | 18 | 12 | 28 | 0.43 | Rain |
| 17 | 57 | 47 | 37 | 48 | 43 | 38 | 100 | 86 | 62 | 29.77 | 29.71 | 29.63 | 10 | 10 | 10 | 13 | 6 | - | 0.08 | Rain |
| 18 | 66 | 51 | 36 | 46 | 32 | 17 | 100 | 60 | 30 | 29.84 | 29.70 | 29.58 | 10 | 10 | 10 | 31 | 10 | 44 | 0.01 | |
| 19 | 55 | 42 | 30 | 33 | 26 | 21 | 79 | 52 | 31 | 30.09 | 30.02 | 29.89 | 10 | 10 | 10 | 22 | 9 | 26 | 0.00 | |
| 20 | 52 | 42 | 32 | 34 | 31 | 27 | 92 | 68 | 45 | 30.21 | 30.11 | 30.04 | 10 | 10 | 10 | 8 | 4 | - | 0.00 | |
| 21 | 68 | 49 | 30 | 35 | 32 | 29 | 96 | 59 | 26 | 30.05 | 29.96 | 29.84 | 10 | 10 | 10 | 20 | 8 | 22 | 0.00 | |
| 22 | 80 | 56 | 33 | 35 | 31 | 25 | 92 | 46 | 13 | 30.04 | 29.95 | 29.86 | 10 | 10 | 10 | 14 | 5 | 21 | 0.00 | |
| 23 | 86 | 64 | 42 | 35 | 31 | 27 | 76 | 34 | 13 | 29.90 | 29.81 | 29.72 | 10 | 10 | 10 | 16 | 7 | 22 | 0.00 | |
| 24 | 87 | 66 | 45 | 36 | 30 | 21 | 63 | 31 | 11 | 29.89 | 29.79 | 29.66 | 10 | 10 | 10 | 22 | 8 | 25 | 0.00 | |
| 25 | 88 | 66 | 45 | 41 | 28 | 23 | 63 | 27 | 11 | 29.83 | 29.73 | 29.66 | 10 | 10 | 10 | 24 | 9 | 32 | 0.00 | Rain |
| 26 | 82 | 67 | 52 | 54 | 40 | 21 | 93 | 50 | 10 | 29.70 | 29.60 | 29.41 | 10 | 9 | 2 | 36 | 15 | 44 | 0.00 | Rain |
| 27 | 73 | 59 | 45 | 32 | 29 | 26 | 51 | 32 | 17 | 29.81 | 29.65 | 29.60 | 10 | 10 | 10 | 22 | 15 | 33 | 0.00 | Rain |
| 28 | 79 | 59 | 39 | 34 | 26 | 19 | 68 | 32 | 11 | 29.78 | 29.57 | 29.44 | 10 | 10 | 10 | 31 | 10 | 40 | 0.00 | |
| 29 | 79 | 66 | 54 | 35 | 27 | 20 | 47 | 26 | 12 | 29.55 | 29.45 | 29.33 | 10 | 10 | 9 | 34 | 16 | 44 | 0.00 | Rain |
| 30 | 55 | 47 | 39 | 39 | 32 | 21 | 85 | 59 | 29 | 29.78 | 29.63 | 29.49 | 10 | 10 | 6 | 34 | 11 | 45 | 0.04 | Rain |
| 31 | 64 | 50 | 35 | 24 | 20 | 17 | 57 | 33 | 16 | 29.83 | 29.78 | 29.71 | 10 | 10 | 10 | 18 | 11 | 22 | 0.00 | |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Apr** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 77 | 54 | 32 | 24 | 18 | 10 | 66 | 28 | 10 | 29.87 | 29.72 | 29.55 | 10 | 10 | 10 | 25 | 9 | 32 | 0.00 | |
| 2 | 62 | 54 | 44 | 28 | 13 | 5 | 41 | 22 | 10 | 29.89 | 29.74 | 29.56 | 10 | 10 | 10 | 36 | 16 | 40 | 0.00 | |
| 3 | 66 | 52 | 39 | 30 | 26 | 19 | 60 | 36 | 20 | 30.08 | 29.98 | 29.91 | 10 | 10 | 10 | 18 | 7 | - | 0.00 | |
| 4 | 77 | 57 | 37 | 35 | 27 | 21 | 62 | 34 | 15 | 29.94 | 29.81 | 29.65 | 10 | 10 | 10 | 23 | 9 | 31 | 0.00 | |
| 5 | 78 | 58 | 37 | 35 | 25 | 18 | 73 | 32 | 12 | 29.79 | 29.67 | 29.56 | 10 | 10 | 10 | 23 | 10 | 28 | 0.00 | |
| 6 | 72 | 56 | 42 | 32 | 24 | 21 | 47 | 26 | 15 | 29.71 | 29.58 | 29.51 | 10 | 10 | 10 | 32 | 14 | 44 | 0.00 | |
| 7 | 70 | 54 | 39 | 27 | 21 | 16 | 53 | 30 | 14 | 29.81 | 29.70 | 29.61 | 10 | 10 | 10 | 26 | 12 | 34 | 0.00 | |
| 8 | 68 | 54 | 42 | 26 | 22 | 15 | 49 | 30 | 15 | 29.98 | 29.87 | 29.75 | 10 | 10 | 10 | 23 | 14 | 31 | 0.00 | |
| 9 | 71 | 52 | 34 | 35 | 26 | 20 | 79 | 41 | 16 | 30.07 | 30.00 | 29.93 | 10 | 10 | 10 | 12 | 6 | 17 | 0.00 | |
| 10 | 79 | 59 | 39 | 29 | 24 | 22 | 53 | 29 | 12 | 30.11 | 30.00 | 29.91 | 10 | 10 | 10 | 16 | 9 | 24 | 0.00 | |
| 11 | 86 | 65 | 44 | 42 | 36 | 27 | 58 | 37 | 17 | 29.99 | 29.78 | 29.55 | 10 | 10 | 10 | 29 | 11 | 37 | 0.00 | |
| 12 | 82 | 64 | 46 | 40 | 23 | 18 | 55 | 21 | 12 | 29.78 | 29.58 | 29.46 | 10 | 10 | 10 | 31 | 15 | 36 | 0.00 | |
| 13 | 75 | 60 | 46 | 27 | 22 | 14 | 44 | 25 | 12 | 29.84 | 29.75 | 29.66 | 10 | 10 | 10 | 15 | 9 | 17 | 0.00 | |
| 14 | 82 | 62 | 42 | 26 | 19 | 10 | 47 | 21 | 11 | 29.78 | 29.64 | 29.54 | 10 | 10 | 10 | 29 | 10 | 37 | 0.00 | |
| 15 | 75 | 58 | 42 | 28 | 19 | 12 | 44 | 23 | 11 | 29.70 | 29.61 | 29.47 | 10 | 10 | 10 | 34 | 12 | 45 | 0.00 | |
| 16 | 66 | 52 | 39 | 33 | 25 | 20 | 60 | 36 | 20 | 29.96 | 29.78 | 29.66 | 10 | 10 | 10 | 28 | 13 | 31 | 0.00 | |
| 17 | 55 | 45 | 35 | 43 | 36 | 31 | 100 | 74 | 45 | 30.08 | 30.01 | 29.96 | 10 | 10 | 5 | 22 | 8 | - | 0.05 | Rain |
| 18 | 63 | 45 | 28 | 42 | 34 | 27 | 100 | 64 | 28 | 30.11 | 30.02 | 29.93 | 10 | 10 | 7 | 26 | 8 | 17 | 0.00 | |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 71 | 52 | 34 | 36 | 33 | 26 | 92 | 52 | 22 | 30.14 | 30.01 | 29.86 | 10 | 10 | 10 | 16 | 8 | 22 | 0.00 | |
| 20 | 70 | 57 | 45 | 36 | 32 | 25 | 66 | 42 | 27 | 30.21 | 30.02 | 29.86 | 10 | 10 | 10 | 23 | 12 | 31 | 0.00 | |
| 21 | 69 | 52 | 37 | 37 | 32 | 27 | 83 | 49 | 25 | 30.32 | 30.23 | 30.13 | 10 | 10 | 10 | 10 | 5 | 17 | 0.00 | |
| 22 | 75 | 57 | 39 | 33 | 30 | 26 | 65 | 36 | 19 | 30.27 | 30.14 | 30.01 | 10 | 10 | 5 | 18 | 6 | 23 | 0.00 | |
| 23 | 89 | 64 | 42 | 38 | 33 | 27 | 58 | 32 | 16 | 30.04 | 29.91 | 29.76 | 10 | 10 | 10 | 14 | 7 | 24 | 0.00 | Rain |
| 24 | 91 | 69 | 48 | 38 | 30 | 22 | 52 | 24 | 12 | 29.75 | 29.63 | 29.52 | 10 | 10 | 10 | 33 | 13 | 40 | 0.00 | |
| 25 | 84 | 67 | 52 | 34 | 30 | 24 | 37 | 22 | 15 | 29.80 | 29.60 | 29.48 | 10 | 10 | 10 | 24 | 11 | 39 | 0.00 | |
| 26 | 70 | 56 | 44 | 42 | 37 | 30 | 77 | 53 | 26 | 30.11 | 29.76 | 29.56 | 10 | 10 | 10 | 30 | 13 | 38 | 0.00 | Rain |
| 27 | 64 | 54 | 45 | 40 | 35 | 30 | 80 | 51 | 31 | 30.08 | 30.03 | 29.99 | 10 | 10 | 10 | 21 | 12 | 26 | 0.00 | |
| 28 | 66 | 52 | 39 | 43 | 35 | 27 | 82 | 55 | 31 | 30.21 | 30.07 | 29.96 | 10 | 10 | 10 | 10 | 6 | 28 | 0.00 | |
| 29 | 75 | 57 | 39 | 36 | 32 | 28 | 79 | 42 | 20 | 30.10 | 30.00 | 29.90 | 10 | 10 | 10 | 14 | 6 | - | 0.00 | |
| 30 | 84 | 64 | 45 | 37 | 29 | 19 | 68 | 32 | 11 | 29.96 | 29.86 | 29.76 | 10 | 10 | 10 | 15 | 6 | - | 0.00 | |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **May** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 86 | 68 | 50 | 34 | 28 | 23 | 43 | 23 | 11 | 29.82 | 29.74 | 29.66 | 10 | 10 | 10 | 12 | 7 | 21 | 0.00 | |
| 2 | 88 | 70 | 52 | 35 | 31 | 28 | 49 | 25 | 13 | 29.81 | 29.72 | 29.65 | 10 | 10 | 10 | 13 | 8 | 23 | 0.00 | |
| 3 | 84 | 68 | 55 | 54 | 41 | 27 | 77 | 44 | 13 | 30.07 | 29.81 | 29.71 | 10 | 10 | 10 | 12 | 6 | - | 0.00 | |
| 4 | 91 | 71 | 51 | 33 | 23 | 14 | 50 | 20 | 8 | 29.76 | 29.65 | 29.53 | 10 | 10 | 10 | 24 | 7 | 33 | 0.00 | |
| 5 | 86 | 72 | 61 | 32 | 23 | 16 | 24 | 16 | 10 | 29.76 | 29.65 | 29.55 | 10 | 10 | 10 | 20 | 11 | 24 | 0.00 | |
| 6 | 88 | 70 | 53 | 32 | 24 | 17 | 34 | 18 | 9 | 29.73 | 29.66 | 29.60 | 10 | 10 | 10 | 17 | 8 | 29 | 0.00 | |
| 7 | 84 | 68 | 53 | 31 | 24 | 18 | 37 | 19 | 12 | 29.86 | 29.72 | 29.64 | 10 | 10 | 5 | 16 | 8 | 23 | 0.00 | |
| 8 | 86 | 68 | 53 | 32 | 24 | 14 | 41 | 24 | 8 | 29.68 | 29.59 | 29.47 | 10 | 10 | 10 | 34 | 10 | 51 | 0.00 | |
| 9 | 84 | 70 | 55 | 34 | 30 | 26 | 42 | 25 | 13 | 29.92 | 29.73 | 29.64 | 10 | 10 | 10 | 20 | 12 | 24 | 0.00 | |
| 10 | 91 | 71 | 51 | 47 | 34 | 15 | 68 | 34 | 10 | 29.95 | 29.79 | 29.64 | 10 | 10 | 10 | 24 | 12 | 32 | 0.00 | |
| 11 | 91 | 72 | 54 | 30 | 23 | 16 | 26 | 15 | 10 | 29.78 | 29.61 | 29.49 | 10 | 10 | 10 | 22 | 11 | 32 | 0.00 | |
| 12 | 91 | 70 | 50 | 29 | 22 | 17 | 33 | 18 | 10 | 29.70 | 29.61 | 29.54 | 10 | 10 | 10 | 26 | 9 | 32 | 0.00 | |
| 13 | 93 | 68 | 45 | 27 | 22 | 16 | 34 | 17 | 10 | 29.70 | 29.63 | 29.56 | 10 | 10 | 10 | 24 | 9 | 34 | 0.00 | |
| 14 | 87 | 69 | 54 | 40 | 25 | 18 | 37 | 21 | 10 | 29.77 | 29.68 | 29.59 | 10 | 10 | 10 | 36 | 10 | 47 | 0.00 | |
| 15 | 82 | 65 | 48 | 29 | 21 | 10 | 41 | 20 | 10 | 30.17 | 29.95 | 29.83 | 10 | 10 | 10 | 21 | 12 | 26 | 0.00 | |
| 16 | 93 | 68 | 46 | 52 | 27 | 11 | 48 | 20 | 11 | 30.05 | 29.94 | 29.81 | 10 | 10 | 7 | 25 | 9 | 32 | 0.00 | |
| 17 | 93 | 74 | 55 | 53 | 40 | 33 | 77 | 32 | 12 | 29.95 | 29.88 | 29.81 | 10 | 9 | 6 | 16 | 6 | - | 0.00 | |
| 18 | 97 | 76 | 57 | 46 | 42 | 38 | 51 | 28 | 14 | 29.93 | 29.85 | 29.75 | 10 | 9 | 5 | 26 | 9 | 33 | 0.00 | Rain |
| 19 | 99 | 80 | 64 | 51 | 45 | 35 | 56 | 31 | 13 | 30.02 | 29.88 | 29.78 | 10 | 10 | 8 | 25 | 12 | 39 | 0.00 | |
| 20 | 98 | 79 | 61 | 54 | 42 | 34 | 67 | 31 | 13 | 29.95 | 29.86 | 29.79 | 10 | 10 | 6 | 14 | 7 | 22 | 0.00 | |
| 21 | 91 | 77 | 63 | 47 | 39 | 31 | 46 | 28 | 12 | 29.84 | 29.75 | 29.64 | 10 | 9 | 5 | 33 | 10 | 41 | 0.00 | |
| 22 | 95 | 79 | 63 | 42 | 29 | 17 | 39 | 20 | 7 | 29.88 | 29.65 | 29.54 | 10 | 10 | 7 | 29 | 11 | 40 | 0.00 | |
| 23 | 93 | 75 | 59 | 26 | 18 | 10 | 24 | 13 | 7 | 29.80 | 29.70 | 29.62 | 10 | 10 | 10 | 14 | 7 | 21 | 0.00 | |
| 24 | 95 | 74 | 55 | 27 | 19 | 12 | 29 | 13 | 7 | 29.80 | 29.71 | 29.62 | 10 | 10 | 10 | 16 | 7 | 20 | 0.00 | |
| 25 | 84 | 72 | 60 | 50 | 44 | 16 | 60 | 41 | 11 | 29.88 | 29.80 | 29.68 | 10 | 10 | 10 | 18 | 11 | - | 0.00 | |

Comma Delimited File

| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 90 | 72 | 54 | 60 | 51 | 43 | 69 | 50 | 29 | 29.84 | 29.75 | 29.58 | 10 | 9 | 6 | 26 | 8 | 39 | 0.00 | |
| 27 | 97 | 76 | 57 | 53 | 34 | 17 | 81 | 31 | 7 | 29.90 | 29.78 | 29.69 | 10 | 10 | 7 | 21 | 8 | 38 | 0.00 | |
| 28 | 98 | 76 | 55 | 33 | 25 | 18 | 23 | 15 | 8 | 29.93 | 29.82 | 29.74 | 10 | 10 | 7 | 14 | 8 | - | 0.00 | |
| 29 | 100 | 80 | 60 | 48 | 29 | 19 | 28 | 15 | 8 | 29.90 | 29.79 | 29.68 | 10 | 10 | 10 | 20 | 9 | 26 | 0.00 | |
| 30 | 100 | 80 | 61 | 43 | 29 | 21 | 32 | 17 | 9 | 29.81 | 29.75 | 29.68 | 10 | 10 | 10 | 25 | 11 | 32 | 0.00 | |
| 31 | 99 | 79 | 60 | 35 | 27 | 18 | 30 | 15 | 9 | 29.93 | 29.80 | 29.72 | 10 | 10 | 10 | 20 | 7 | 26 | 0.00 | |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Jun** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 108 | 82 | 59 | 40 | 30 | 18 | 27 | 15 | 10 | 29.80 | 29.71 | 29.60 | 10 | 10 | 10 | 16 | 8 | 26 | 0.00 | |
| 2 | 106 | 84 | 62 | 41 | 31 | 22 | 29 | 14 | 9 | 29.76 | 29.63 | 29.53 | 10 | 10 | 10 | 16 | 8 | 25 | 0.00 | |
| 3 | 102 | 83 | 64 | 40 | 35 | 27 | 28 | 17 | 11 | 29.77 | 29.58 | 29.47 | 10 | 10 | 10 | 22 | 7 | 23 | 0.00 | |
| 4 | 93 | 78 | 64 | 37 | 27 | 17 | 26 | 15 | 10 | 29.76 | 29.59 | 29.53 | 10 | 10 | 10 | 31 | 13 | 34 | 0.00 | |
| 5 | 84 | 70 | 57 | 51 | 41 | 20 | 72 | 39 | 15 | 30.09 | 29.84 | 29.67 | 10 | 10 | 10 | 20 | 11 | - | 0.00 | |
| 6 | 79 | 66 | 55 | 48 | 46 | 43 | 69 | 52 | 34 | 30.19 | 30.05 | 29.94 | 10 | 10 | 10 | 16 | 10 | 22 | 0.00 | |
| 7 | 95 | 75 | 57 | 66 | 50 | 27 | 79 | 49 | 10 | 30.06 | 29.79 | 29.53 | 10 | 10 | 8 | 28 | 13 | 37 | 0.00 | |
| 8 | 93 | 78 | 61 | 67 | 34 | 17 | 97 | 28 | 10 | 29.82 | 29.66 | 29.58 | 10 | 9 | 6 | 25 | 13 | 33 | 0.00 | |
| 9 | 96 | 78 | 61 | 42 | 30 | 18 | 29 | 18 | 13 | 29.88 | 29.78 | 29.70 | 10 | 10 | 10 | 21 | 9 | 28 | 0.00 | |
| 10 | 81 | 68 | 55 | 61 | 52 | 41 | 100 | 66 | 26 | 30.04 | 29.85 | 29.75 | 10 | 9 | 3 | 24 | 13 | 31 | 0.17 | Rain |
| 11 | 88 | 69 | 51 | 55 | 48 | 40 | 100 | 51 | 19 | 29.96 | 29.80 | 29.71 | 10 | 10 | 10 | 30 | 10 | 38 | 0.01 | |
| 12 | 97 | 79 | 62 | 51 | 46 | 39 | 65 | 35 | 14 | 29.94 | 29.82 | 29.74 | 10 | 10 | 10 | 22 | 10 | 28 | 0.00 | |
| 13 | 100 | 84 | 68 | 57 | 43 | 25 | 63 | 27 | 12 | 29.94 | 29.76 | 29.64 | 10 | 10 | 10 | 30 | 14 | 40 | 0.00 | |
| 14 | 95 | 78 | 63 | 36 | 28 | 21 | 22 | 15 | 12 | 29.84 | 29.70 | 29.60 | 10 | 10 | 10 | 18 | 11 | 24 | 0.00 | |
| 15 | 89 | 74 | 60 | 49 | 44 | 24 | 64 | 38 | 16 | 29.90 | 29.74 | 29.62 | 10 | 10 | 10 | 17 | 12 | 18 | 0.00 | |
| 16 | 100 | 78 | 55 | 42 | 36 | 22 | 49 | 21 | 12 | 29.79 | 29.59 | 29.46 | 10 | 10 | 10 | 25 | 13 | 37 | 0.00 | |
| 17 | 100 | 83 | 66 | 39 | 31 | 21 | 26 | 15 | 11 | 29.84 | 29.64 | 29.52 | 10 | 10 | 10 | 26 | 14 | 34 | 0.00 | |
| 18 | 96 | 82 | 66 | 43 | 34 | 25 | 26 | 19 | 14 | 29.90 | 29.79 | 29.71 | 10 | 10 | 10 | 15 | 9 | 17 | 0.00 | |
| 19 | 105 | 81 | 57 | 47 | 36 | 25 | 36 | 19 | 14 | 29.87 | 29.75 | 29.64 | 10 | 10 | 10 | 20 | 6 | 26 | 0.00 | |
| 20 | 106 | 85 | 66 | 48 | 36 | 27 | 24 | 17 | 14 | 29.75 | 29.66 | 29.58 | 10 | 10 | 10 | 16 | 8 | 29 | 0.00 | |
| 21 | 104 | 84 | 66 | 50 | 40 | 29 | 51 | 22 | 13 | 29.91 | 29.73 | 29.64 | 10 | 10 | 10 | 17 | 9 | 26 | 0.00 | |
| 22 | 104 | 83 | 64 | 59 | 42 | 28 | 44 | 23 | 15 | 29.86 | 29.77 | 29.69 | 10 | 10 | 10 | 18 | 9 | 28 | 0.00 | |
| 23 | 105 | 85 | 66 | 60 | 49 | 34 | 70 | 32 | 13 | 29.85 | 29.74 | 29.62 | 10 | 10 | 10 | 25 | 12 | 36 | 0.00 | |
| 24 | 108 | 86 | 66 | 59 | 50 | 38 | 66 | 30 | 14 | 29.91 | 29.72 | 29.59 | 10 | 10 | 10 | 21 | 12 | 37 | 0.00 | |
| 25 | 108 | 86 | 66 | 58 | 50 | 40 | 59 | 31 | 14 | 29.88 | 29.71 | 29.61 | 10 | 10 | 10 | 24 | 9 | 29 | 0.00 | |
| 26 | 108 | 88 | 70 | 58 | 50 | 32 | 61 | 30 | 15 | 29.74 | 29.65 | 29.55 | 10 | 10 | 10 | 18 | 11 | 22 | 0.00 | |
| 27 | 108 | 88 | 68 | 50 | 42 | 33 | 30 | 20 | 15 | 29.70 | 29.62 | 29.56 | 10 | 10 | 10 | 14 | 5 | - | 0.00 | |
| 28 | 109 | 86 | 64 | 59 | 49 | 36 | 40 | 27 | 15 | 29.75 | 29.68 | 29.62 | 10 | 10 | 10 | 20 | 6 | 22 | 0.00 | |
| 29 | 106 | 86 | 66 | 63 | 55 | 50 | 68 | 35 | 18 | 29.94 | 29.74 | 29.65 | 10 | 10 | 10 | 17 | 11 | 22 | 0.00 | |
| 30 | 100 | 84 | 69 | 68 | 60 | 54 | 69 | 44 | 21 | 29.83 | 29.77 | 29.72 | 10 | 10 | 10 | 16 | 10 | 22 | 0.00 | |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jul | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | high | sum | |
| 1 | 97 | 84 | 73 | 66 | 62 | 57 | 73 | 49 | 28 | 30.06 | 29.88 | 29.76 | 10 | 10 | 10 | 21 | 10 | 33 | 0.00 | |
| 2 | 84 | 75 | 66 | 71 | 63 | 57 | 91 | 73 | 49 | 30.11 | 29.94 | 29.88 | 10 | 9 | 2 | 25 | 6 | 31 | 0.17 | Rain |
| 3 | 91 | 78 | 66 | 67 | 62 | 56 | 96 | 62 | 30 | 29.95 | 29.87 | 29.78 | 10 | 10 | 10 | 20 | 6 | 17 | 0.00 | Rain |
| 4 | 98 | 82 | 68 | 68 | 61 | 55 | 88 | 54 | 24 | 30.06 | 29.83 | 29.73 | 10 | 9 | 2 | 15 | 6 | 28 | 0.32 | Rain |
| 5 | 98 | 82 | 69 | 69 | 65 | 59 | 88 | 62 | 30 | 30.09 | 29.86 | 29.74 | 10 | 9 | 2 | 22 | 10 | 25 | 0.32 | Rain |
| 6 | 100 | 86 | 72 | 68 | 62 | 56 | 82 | 49 | 23 | 29.96 | 29.79 | 29.71 | 10 | 10 | 10 | 24 | 8 | 25 | 0.00 | |
| 7 | 81 | 80 | 75 | 62 | 62 | 61 | 62 | 56 | 50 | 30.08 | 29.96 | 29.77 | 10 | 10 | 10 | 25 | 10 | 30 | 0.00 | |
| 8 | 100 | 86 | 72 | 63 | 59 | 55 | 73 | 47 | 22 | 30.13 | 30.06 | 29.94 | 10 | 9 | 2 | 36 | 12 | 55 | 0.17 | Rain |
| 9 | 98 | 82 | 66 | 65 | 60 | 47 | 87 | 58 | 18 | 29.96 | 29.90 | 29.81 | 10 | 10 | 10 | 20 | 8 | 23 | 0.01 | Rain |
| 10 | 99 | 84 | 68 | 66 | 59 | 52 | 87 | 49 | 21 | 29.95 | 29.87 | 29.77 | 10 | 10 | 10 | 8 | 4 | - | 0.00 | |
| 11 | 104 | 88 | 73 | 61 | 53 | 42 | 64 | 34 | 13 | 29.86 | 29.80 | 29.73 | 10 | 10 | 10 | 9 | 6 | - | 0.00 | |
| 12 | 93 | 88 | 79 | 61 | 56 | 44 | 54 | 39 | 18 | 30.05 | 29.98 | 29.89 | 10 | 10 | 10 | 23 | 8 | 29 | 0.00 | |
| 13 | 100 | 84 | 70 | 63 | 57 | 45 | 76 | 45 | 17 | 30.11 | 29.91 | 29.74 | 10 | 10 | 10 | 25 | 8 | 36 | 0.00 | |
| 14 | 100 | 84 | 68 | 56 | 51 | 43 | 63 | 33 | 14 | 29.95 | 29.80 | 29.72 | 10 | 10 | 10 | 24 | 9 | 32 | 0.00 | |
| 15 | 100 | 84 | 68 | 66 | 55 | 47 | 87 | 45 | 18 | 30.26 | 29.90 | 29.77 | 10 | 9 | 3 | 20 | 8 | 31 | 0.24 | Rain |
| 16 | 91 | 78 | 66 | 67 | 59 | 50 | 93 | 56 | 25 | 30.14 | 30.05 | 29.97 | 10 | 10 | 10 | 14 | 7 | 18 | 0.01 | |
| 17 | 93 | 80 | 70 | 64 | 59 | 53 | 78 | 54 | 27 | 30.15 | 30.02 | 29.92 | 10 | 10 | 10 | 21 | 8 | 25 | 0.00 | Rain |
| 18 | 97 | 83 | 70 | 63 | 56 | 50 | 78 | 45 | 22 | 30.00 | 29.91 | 29.81 | 10 | 10 | 10 | 18 | 5 | 25 | 0.00 | Rain |
| 19 | 102 | 83 | 66 | 56 | 52 | 47 | 68 | 37 | 17 | 29.87 | 29.80 | 29.72 | 10 | 10 | 10 | 16 | 8 | 20 | 0.00 | |
| 20 | 100 | 86 | 71 | 55 | 53 | 51 | 51 | 34 | 19 | 29.85 | 29.79 | 29.73 | 10 | 10 | 10 | 23 | 11 | 30 | 0.00 | |
| 21 | 99 | 83 | 68 | 60 | 54 | 44 | 65 | 41 | 16 | 29.87 | 29.81 | 29.71 | 10 | 10 | 10 | 24 | 9 | 32 | 0.00 | |
| 22 | 97 | 82 | 69 | 60 | 55 | 50 | 65 | 39 | 20 | 29.98 | 29.84 | 29.74 | 10 | 10 | 9 | 28 | 14 | 34 | 0.00 | |
| 23 | 96 | 80 | 66 | 59 | 56 | 51 | 73 | 43 | 22 | 30.01 | 29.87 | 29.78 | 10 | 10 | 10 | 24 | 10 | 31 | 0.00 | Rain |
| 24 | 98 | 84 | 72 | 60 | 57 | 53 | 64 | 42 | 25 | 30.00 | 29.87 | 29.78 | 10 | 10 | 10 | 26 | 9 | 31 | 0.00 | |
| 25 | 95 | 81 | 69 | 63 | 59 | 52 | 68 | 49 | 26 | 29.97 | 29.91 | 29.87 | 10 | 10 | 10 | 21 | 6 | 26 | 0.00 | |
| 26 | 91 | 80 | 72 | 62 | 60 | 57 | 66 | 55 | 34 | 30.12 | 29.94 | 29.88 | 10 | 10 | 10 | 17 | 6 | - | 0.00 | Rain |
| 27 | 90 | 80 | 71 | 64 | 61 | 57 | 76 | 58 | 33 | 30.01 | 29.95 | 29.86 | 10 | 10 | 10 | 12 | 5 | 16 | 0.00 | |
| 28 | 97 | 84 | 72 | 65 | 58 | 50 | 78 | 47 | 22 | 29.94 | 29.87 | 29.77 | 10 | 10 | 10 | 14 | 7 | 21 | 0.00 | |
| 29 | 111 | 86 | 73 | 57 | 54 | 48 | 53 | 34 | 18 | 29.95 | 29.77 | 29.69 | 10 | 10 | 10 | 21 | 9 | - | 0.00 | |
| 30 | 102 | 84 | 66 | 66 | 59 | 51 | 90 | 52 | 20 | 30.03 | 29.84 | 29.67 | 10 | 8 | 0 | 45 | 11 | 56 | 0.68 | Rain |
| 31 | 86 | 75 | 66 | 66 | 62 | 59 | 90 | 70 | 44 | 30.08 | 30.00 | 29.92 | 10 | 10 | 10 | 12 | 6 | - | 0.00 | |
| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
| Aug | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | high | sum | |
| 1 | 93 | 81 | 69 | 67 | 61 | 55 | 87 | 51 | 28 | 30.16 | 29.98 | 29.91 | 10 | 10 | 10 | 17 | 6 | 20 | 0.00 | |
| 2 | 93 | 82 | 71 | 69 | 63 | 55 | 84 | 66 | 28 | 30.12 | 29.96 | 29.88 | 10 | 10 | 4 | 37 | 9 | 43 | 0.21 | Rain , Thunderstorm |
| 3 | 91 | 80 | 68 | 65 | 59 | 49 | 90 | 58 | 24 | 30.01 | 29.94 | 29.87 | 10 | 10 | 10 | 18 | 6 | 23 | 0.00 | |
| 4 | 79 | 70 | 64 | 60 | 58 | 53 | 81 | 64 | 45 | 30.15 | 30.09 | 30.01 | 10 | 10 | 10 | 21 | 8 | 26 | 0.00 | |
| 5 | 79 | 72 | 64 | 64 | 62 | 58 | 94 | 79 | 58 | 30.36 | 30.19 | 30.10 | 10 | 9 | 3 | 17 | 6 | 22 | 0.10 | Rain , |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | Thunderstorm |
| 6 | 86 | 73 | 60 | 61 | 57 | 49 | 100 | 63 | 29 | 30.14 | 30.03 | 29.90 | 10 | 10 | 9 | 9 | 3 | - | 0.00 | |
| 7 | 97 | 79 | 62 | 58 | 53 | 48 | 84 | 44 | 20 | 30.03 | 29.87 | 29.77 | 10 | 10 | 10 | 17 | 9 | 21 | 0.00 | |
| 8 | 75 | 68 | 66 | 53 | 51 | 50 | 57 | 52 | 46 | 30.13 | 30.01 | 29.84 | 10 | 10 | 10 | 21 | 13 | 25 | 0.00 | |
| 9 | 98 | 80 | 62 | 60 | 50 | 43 | 65 | 35 | 17 | 30.21 | 30.08 | 29.89 | 10 | 10 | 10 | 17 | 10 | 24 | 0.00 | |
| 10 | 97 | 81 | 66 | 59 | 53 | 47 | 66 | 39 | 19 | 29.99 | 29.92 | 29.82 | 10 | 10 | 10 | 14 | 6 | 22 | 0.00 | |
| 11 | 97 | 83 | 70 | 63 | 58 | 47 | 76 | 51 | 19 | 30.02 | 29.94 | 29.85 | 10 | 10 | 10 | 24 | 8 | 32 | 0.01 | Rain |
| 12 | 90 | 78 | 64 | 64 | 61 | 55 | 97 | 66 | 31 | 30.29 | 30.05 | 29.94 | 10 | 9 | 2 | 23 | 7 | 28 | 0.64 | Rain |
| 13 | 84 | 75 | 66 | 65 | 61 | 53 | 93 | 70 | 34 | 30.14 | 30.06 | 29.96 | 10 | 10 | 10 | 12 | 6 | - | 0.09 | Rain |
| 14 | 90 | 76 | 62 | 61 | 57 | 49 | 90 | 55 | 25 | 30.02 | 29.94 | 29.83 | 10 | 10 | 10 | 10 | 6 | 17 | 0.00 | |
| 15 | 91 | 77 | 63 | 59 | 52 | 37 | 75 | 45 | 15 | 29.92 | 29.84 | 29.76 | 10 | 10 | 10 | 8 | 2 | - | 0.00 | |
| 16 | 95 | 78 | 64 | 57 | 52 | 47 | 73 | 42 | 21 | 29.88 | 29.82 | 29.77 | 10 | 10 | 10 | 13 | 5 | 21 | 0.00 | |
| 17 | 93 | 78 | 64 | 63 | 55 | 50 | 75 | 47 | 23 | 29.95 | 29.89 | 29.82 | 10 | 10 | 10 | 12 | 6 | 16 | 0.00 | |
| 18 | 91 | 78 | 64 | 65 | 61 | 55 | 87 | 57 | 30 | 29.96 | 29.90 | 29.81 | 10 | 10 | 10 | 15 | 8 | 17 | 0.00 | |
| 19 | 90 | 78 | 68 | 72 | 66 | 61 | 94 | 70 | 40 | 30.16 | 29.97 | 29.87 | 10 | 9 | 2 | 16 | 9 | 28 | 0.12 | Rain |
| 20 | 84 | 74 | 66 | 67 | 65 | 61 | 97 | 78 | 47 | 30.27 | 30.08 | 29.99 | 10 | 10 | 7 | 21 | 9 | - | 0.04 | Rain |
| 21 | 89 | 76 | 64 | 66 | 61 | 55 | 97 | 63 | 32 | 30.14 | 30.07 | 29.98 | 10 | 10 | 10 | 13 | 6 | 18 | 0.00 | |
| 22 | 91 | 78 | 64 | 61 | 56 | 51 | 87 | 50 | 25 | 30.05 | 29.98 | 29.89 | 10 | 10 | 8 | 15 | 4 | - | 0.00 | |
| 23 | 93 | 78 | 64 | 62 | 57 | 50 | 84 | 51 | 24 | 29.94 | 29.87 | 29.78 | 10 | 10 | 10 | 13 | 6 | - | 0.00 | |
| 24 | 96 | 78 | 64 | 65 | 60 | 55 | 90 | 55 | 29 | 29.84 | 29.78 | 29.69 | 10 | 10 | 10 | 13 | 7 | 21 | 0.00 | |
| 25 | 93 | 80 | 66 | 67 | 63 | 57 | 94 | 62 | 30 | 30.07 | 29.82 | 29.71 | 10 | 10 | 10 | 14 | 6 | 17 | 0.00 | |
| 26 | 91 | 78 | 66 | 66 | 64 | 61 | 97 | 67 | 38 | 30.08 | 29.88 | 29.76 | 10 | 10 | 6 | 21 | 10 | 31 | 0.12 | Rain |
| 27 | 96 | 80 | 68 | 68 | 64 | 57 | 90 | 60 | 29 | 30.09 | 29.87 | 29.79 | 10 | 10 | 8 | 13 | 8 | 18 | 0.00 | |
| 28 | 90 | 80 | 71 | 70 | 64 | 60 | 88 | 68 | 39 | 30.31 | 30.05 | 29.87 | 10 | 9 | 2 | 34 | 9 | 38 | 0.11 | Rain |
| 29 | 91 | 78 | 66 | 64 | 53 | 36 | 87 | 51 | 15 | 30.16 | 30.06 | 29.96 | 10 | 10 | 10 | 10 | 6 | 16 | 0.00 | |
| 30 | 93 | 74 | 57 | 51 | 45 | 36 | 75 | 40 | 15 | 30.04 | 29.96 | 29.86 | 10 | 10 | 10 | 13 | 6 | 18 | 0.00 | |
| 31 | 93 | 78 | 62 | 55 | 48 | 41 | 70 | 38 | 16 | 29.93 | 29.86 | 29.79 | 10 | 10 | 10 | 14 | 8 | 20 | 0.00 | |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Sep** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 91 | 76 | 63 | 61 | 52 | 48 | 66 | 45 | 27 | 29.91 | 29.86 | 29.80 | 10 | 10 | 10 | 18 | 4 | - | 0.00 | Rain |
| 2 | 93 | 78 | 64 | 58 | 53 | 47 | 70 | 46 | 21 | 29.91 | 29.83 | 29.74 | 10 | 10 | 4 | 14 | 6 | 21 | 0.00 | |
| 3 | 91 | 78 | 64 | 53 | 48 | 42 | 63 | 38 | 18 | 29.86 | 29.81 | 29.76 | 10 | 10 | 9 | 16 | 5 | 18 | 0.00 | |
| 4 | 96 | 80 | 64 | 52 | 48 | 46 | 58 | 38 | 19 | 29.94 | 29.87 | 29.82 | 10 | 10 | 10 | 14 | 6 | 26 | 0.00 | |
| 5 | 93 | 78 | 64 | 57 | 51 | 48 | 61 | 40 | 23 | 30.08 | 29.94 | 29.87 | 10 | 10 | 10 | 21 | 8 | 26 | 0.00 | |
| 6 | 93 | 78 | 64 | 57 | 50 | 44 | 63 | 40 | 20 | 30.15 | 29.95 | 29.86 | 10 | 10 | 10 | 16 | 5 | 22 | 0.00 | |
| 7 | 93 | 76 | 62 | 54 | 46 | 41 | 58 | 36 | 20 | 29.97 | 29.89 | 29.80 | 10 | 10 | 10 | 13 | 4 | 17 | 0.00 | |
| 8 | 93 | 77 | 61 | 50 | 46 | 43 | 62 | 35 | 18 | 29.89 | 29.81 | 29.73 | 10 | 10 | 10 | 12 | 5 | - | 0.00 | |
| 9 | 75 | 72 | 70 | 62 | 56 | 49 | 66 | 56 | 44 | 30.11 | 30.04 | 29.81 | 10 | 10 | 10 | 20 | 7 | 30 | 0.00 | |
| 10 | 91 | 76 | 64 | 60 | 57 | 54 | 76 | 53 | 31 | 30.13 | 29.95 | 29.81 | 10 | 10 | 10 | 12 | 8 | - | 0.00 | |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 88 | 74 | 61 | 53 | 48 | 45 | 60 | 41 | 25 | 30.08 | 29.88 | 29.81 | 10 | 10 | 7 | 10 | 4 | - | 0.00 | |
| 12 | 89 | 75 | 62 | 57 | 53 | 47 | 73 | 49 | 27 | 29.91 | 29.81 | 29.71 | 10 | 10 | 10 | 9 | 4 | - | 0.00 | |
| 13 | 95 | 78 | 62 | 57 | 51 | 48 | 67 | 42 | 23 | 29.76 | 29.67 | 29.58 | 10 | 10 | 10 | 9 | 5 | - | 0.00 | |
| 14 | 93 | 80 | 66 | 62 | 51 | 43 | 78 | 40 | 21 | 29.97 | 29.74 | 29.62 | 10 | 10 | 7 | 24 | 9 | 41 | 0.06 | Rain |
| 15 | 88 | 77 | 66 | 62 | 57 | 51 | 84 | 56 | 29 | 30.01 | 29.95 | 29.87 | 10 | 10 | 10 | 16 | 9 | 21 | 0.00 | Rain |
| 16 | 87 | 74 | 62 | 59 | 55 | 50 | 84 | 56 | 30 | 30.04 | 29.96 | 29.89 | 10 | 10 | 10 | 15 | 6 | - | 0.00 | |
| 17 | 89 | 74 | 62 | 57 | 54 | 49 | 80 | 51 | 27 | 30.03 | 29.92 | 29.84 | 10 | 10 | 10 | 14 | 4 | - | 0.00 | |
| 18 | 90 | 76 | 61 | 55 | 52 | 50 | 72 | 47 | 26 | 29.93 | 29.82 | 29.70 | 10 | 10 | 10 | 15 | 6 | 22 | 0.00 | |
| 19 | 95 | 78 | 64 | 56 | 47 | 40 | 67 | 38 | 17 | 29.70 | 29.63 | 29.54 | 10 | 10 | 10 | 16 | 9 | - | 0.00 | |
| 20 | 95 | 78 | 64 | 50 | 45 | 38 | 56 | 31 | 14 | 29.69 | 29.64 | 29.57 | 10 | 10 | 10 | 14 | 7 | - | 0.00 | |
| 21 | 97 | 82 | 68 | 53 | 48 | 42 | 56 | 32 | 19 | 29.75 | 29.69 | 29.62 | 10 | 10 | 10 | 16 | 6 | 23 | 0.00 | |
| 22 | 84 | 72 | 59 | 61 | 51 | 43 | 81 | 51 | 33 | 30.20 | 29.94 | 29.75 | 10 | 10 | 9 | 21 | 11 | 25 | 0.00 | |
| 23 | 90 | 76 | 62 | 59 | 57 | 55 | 78 | 58 | 35 | 30.01 | 29.91 | 29.78 | 10 | 10 | 10 | 24 | 9 | 30 | 0.00 | |
| 24 | 96 | 80 | 64 | 62 | 57 | 46 | 87 | 49 | 20 | 29.96 | 29.81 | 29.72 | 10 | 10 | 7 | 20 | 14 | 26 | 0.00 | |
| 25 | 96 | 80 | 64 | 64 | 59 | 48 | 87 | 53 | 19 | 29.99 | 29.74 | 29.62 | 10 | 10 | 6 | 23 | 13 | 31 | 0.00 | |
| 26 | 96 | 79 | 62 | 62 | 52 | 37 | 90 | 44 | 15 | 29.85 | 29.72 | 29.63 | 10 | 10 | 6 | 18 | 13 | 22 | 0.00 | |
| 27 | 96 | 78 | 61 | 58 | 45 | 36 | 59 | 33 | 15 | 29.91 | 29.83 | 29.75 | 10 | 10 | 10 | 13 | 6 | - | 0.00 | |
| 28 | 91 | 78 | 66 | 64 | 58 | 53 | 73 | 53 | 31 | 29.92 | 29.85 | 29.77 | 10 | 10 | 10 | 14 | 5 | 16 | 0.00 | |
| 29 | 91 | 77 | 64 | 66 | 59 | 52 | 87 | 61 | 29 | 29.96 | 29.82 | 29.72 | 10 | 9 | 4 | 22 | 6 | 34 | 0.13 | Rain , Thunderstorm |
| 30 | 87 | 75 | 66 | 65 | 62 | 59 | 90 | 75 | 48 | 29.89 | 29.83 | 29.77 | 10 | 10 | 10 | 18 | 10 | - | 0.05 | Rain |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Oct** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 79 | 70 | 62 | 64 | 62 | 59 | 100 | 87 | 58 | 30.14 | 29.95 | 29.70 | 10 | 7 | 1 | 13 | 7 | - | 1.54 | Rain |
| 2 | 84 | 70 | 57 | 62 | 50 | 38 | 93 | 55 | 21 | 29.78 | 29.72 | 29.66 | 10 | 10 | 10 | 14 | 7 | 21 | 0.01 | |
| 3 | 90 | 71 | 53 | 52 | 46 | 38 | 86 | 48 | 16 | 29.83 | 29.72 | 29.62 | 10 | 10 | 10 | 21 | 8 | 21 | 0.00 | |
| 4 | 87 | 74 | 62 | 54 | 47 | 41 | 65 | 43 | 20 | 29.79 | 29.60 | 29.51 | 10 | 10 | 10 | 16 | 11 | 24 | 0.00 | |
| 5 | 71 | 61 | 51 | 50 | 31 | 14 | 58 | 33 | 12 | 29.98 | 29.80 | 29.54 | 10 | 10 | 10 | 21 | 11 | 26 | 0.00 | |
| 6 | 72 | 58 | 44 | 39 | 35 | 27 | 79 | 49 | 19 | 30.15 | 30.07 | 29.96 | 10 | 10 | 10 | 9 | 6 | - | 0.00 | |
| 7 | 77 | 60 | 44 | 40 | 35 | 27 | 79 | 47 | 16 | 30.26 | 30.17 | 30.10 | 10 | 10 | 10 | 13 | 5 | - | 0.00 | |
| 8 | 82 | 62 | 44 | 40 | 33 | 28 | 76 | 40 | 15 | 30.17 | 30.07 | 29.98 | 10 | 10 | 10 | 18 | 5 | 23 | 0.00 | |
| 9 | 86 | 66 | 46 | 39 | 36 | 32 | 68 | 39 | 17 | 30.01 | 29.92 | 29.81 | 10 | 10 | 10 | 12 | 5 | - | 0.00 | |
| 10 | 91 | 70 | 48 | 46 | 39 | 36 | 74 | 41 | 14 | 29.88 | 29.78 | 29.66 | 10 | 10 | 10 | 23 | 9 | 32 | 0.00 | |
| 11 | 88 | 68 | 48 | 48 | 35 | 20 | 74 | 37 | 8 | 30.06 | 29.92 | 29.74 | 10 | 10 | 10 | 13 | 7 | - | 0.00 | |
| 12 | 80 | 66 | 52 | 57 | 47 | 37 | 81 | 54 | 44 | 30.22 | 30.11 | 30.05 | 10 | 10 | 10 | 13 | 9 | - | 0.00 | |
| 13 | 90 | 72 | 54 | 55 | 48 | 36 | 90 | 53 | 15 | 30.08 | 29.97 | 29.84 | 10 | 10 | 5 | 16 | 5 | 20 | 0.00 | |
| 14 | 90 | 72 | 55 | 57 | 46 | 35 | 93 | 47 | 15 | 29.86 | 29.74 | 29.60 | 10 | 10 | 6 | 16 | 12 | 21 | 0.00 | |
| 15 | 91 | 75 | 59 | 59 | 51 | 38 | 93 | 54 | 15 | 29.69 | 29.57 | 29.46 | 10 | 9 | 5 | 25 | 14 | 33 | 0.00 | |
| 16 | 82 | 67 | 52 | 60 | 36 | 24 | 93 | 39 | 12 | 29.66 | 29.57 | 29.49 | 10 | 10 | 9 | 32 | 17 | 39 | 0.00 | |
| 17 | 73 | 58 | 43 | 31 | 23 | 15 | 53 | 29 | 11 | 30.04 | 29.89 | 29.74 | 10 | 10 | 10 | 18 | 10 | 25 | 0.00 | |

Comma Delimited File

| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 70 | 54 | 39 | 33 | 29 | 25 | 63 | 40 | 21 | 30.23 | 30.13 | 30.05 | 10 | 10 | 10 | 13 | 6 | - | 0.00 | |
| 19 | 69 | 61 | 53 | 55 | 41 | 30 | 93 | 53 | 35 | 30.24 | 30.15 | 30.09 | 10 | 10 | 10 | 14 | 5 | - | 0.09 | Rain |
| 20 | 55 | 52 | 48 | 50 | 49 | 48 | 100 | 93 | 80 | 30.42 | 30.31 | 30.15 | 10 | 8 | 1 | 12 | 6 | - | 0.78 | Rain |
| 21 | 53 | 52 | 50 | 50 | 49 | 47 | 100 | 93 | 83 | 30.54 | 30.44 | 30.33 | 10 | 5 | 2 | 12 | 7 | - | 0.18 | Rain |
| 22 | 57 | 54 | 50 | 50 | 49 | 46 | 100 | 88 | 67 | 30.57 | 30.47 | 30.36 | 10 | 6 | 1 | 9 | 4 | - | 0.01 | Rain |
| 23 | 62 | 56 | 50 | 54 | 50 | 46 | 100 | 88 | 75 | 30.42 | 30.28 | 30.14 | 10 | 8 | 2 | 13 | 7 | - | 0.01 | Rain |
| 24 | 70 | 58 | 46 | 56 | 52 | 46 | 100 | 91 | 57 | 30.28 | 30.17 | 30.03 | 10 | 6 | 0 | 10 | 5 | - | 0.01 | Fog |
| 25 | 77 | 64 | 50 | 57 | 54 | 49 | 97 | 77 | 45 | 30.06 | 29.97 | 29.86 | 10 | 8 | 4 | 20 | 9 | - | 0.01 | |
| 26 | 79 | 68 | 57 | 59 | 56 | 53 | 93 | 75 | 40 | 30.11 | 29.93 | 29.83 | 10 | 9 | 5 | 16 | 12 | 24 | 0.00 | |
| 27 | 63 | 56 | 48 | 61 | 56 | 48 | 100 | 93 | 87 | 30.15 | 30.03 | 29.90 | 10 | 6 | 1 | 17 | 8 | 24 | 1.39 | Rain |
| 28 | 71 | 56 | 42 | 52 | 46 | 42 | 100 | 88 | 36 | 30.09 | 29.99 | 29.81 | 10 | 5 | 0 | 7 | 4 | - | 0.01 | Fog |
| 29 | 73 | 58 | 44 | 54 | 47 | 41 | 90 | 70 | 36 | 29.96 | 29.86 | 29.78 | 10 | 10 | 10 | 8 | 5 | - | 0.00 | |
| 30 | 77 | 66 | 55 | 62 | 57 | 52 | 100 | 87 | 56 | 29.95 | 29.83 | 29.63 | 10 | 6 | 0 | 40 | 5 | 46 | 1.78 | Fog , Rain |
| 31 | 62 | 55 | 46 | 56 | 51 | 42 | 96 | 86 | 60 | 30.05 | 29.87 | 29.71 | 10 | 10 | 2 | 23 | 11 | 32 | 0.04 | Rain |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Nov** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 60 | 52 | 43 | 49 | 42 | 38 | 90 | 73 | 53 | 30.04 | 29.94 | 29.83 | 10 | 10 | 10 | 13 | 7 | - | 0.00 | |
| 2 | 61 | 51 | 41 | 50 | 45 | 39 | 96 | 79 | 62 | 29.93 | 29.85 | 29.75 | 10 | 10 | 8 | 9 | 4 | - | 0.00 | |
| 3 | 61 | 52 | 43 | 46 | 44 | 40 | 96 | 81 | 56 | 30.05 | 29.93 | 29.83 | 10 | 9 | 3 | 15 | 7 | - | 0.01 | |
| 4 | 48 | 46 | 44 | 46 | 45 | 43 | 100 | 94 | 86 | 30.18 | 30.09 | 29.96 | 10 | 4 | 2 | 10 | 6 | - | 0.01 | Rain |
| 5 | 46 | 44 | 42 | 43 | 42 | 41 | 100 | 94 | 81 | 30.19 | 30.08 | 29.98 | 10 | 6 | 2 | 16 | 11 | - | 0.02 | Rain |
| 6 | 52 | 47 | 42 | 48 | 44 | 41 | 100 | 93 | 80 | 30.05 | 29.97 | 29.86 | 10 | 5 | 0 | 20 | 13 | 21 | 0.00 | Fog |
| 7 | 64 | 53 | 42 | 45 | 43 | 38 | 100 | 85 | 40 | 30.11 | 29.99 | 29.88 | 10 | 6 | 0 | 20 | 9 | - | 0.01 | Fog |
| 8 | 73 | 55 | 37 | 44 | 39 | 36 | 96 | 61 | 27 | 30.06 | 29.88 | 29.67 | 10 | 10 | 9 | 25 | 8 | 29 | 0.00 | |
| 9 | 72 | 58 | 44 | 40 | 34 | 18 | 66 | 47 | 23 | 29.85 | 29.63 | 29.39 | 10 | 10 | 8 | 38 | 20 | 51 | 0.00 | |
| 10 | 57 | 47 | 34 | 28 | 21 | 13 | 79 | 41 | 18 | 30.14 | 30.06 | 29.88 | 10 | 10 | 10 | 17 | 10 | - | 0.00 | |
| 11 | 66 | 47 | 28 | 38 | 31 | 25 | 88 | 59 | 26 | 30.21 | 30.09 | 29.97 | 10 | 10 | 10 | 13 | 6 | - | 0.00 | |
| 12 | 60 | 50 | 39 | 41 | 38 | 36 | 89 | 70 | 47 | 30.19 | 30.10 | 30.01 | 10 | 10 | 10 | 10 | 5 | - | 0.00 | |
| 13 | 63 | 49 | 35 | 39 | 36 | 33 | 92 | 66 | 37 | 30.17 | 30.07 | 29.97 | 10 | 10 | 10 | 9 | 6 | - | 0.00 | |
| 14 | 73 | 54 | 35 | 38 | 34 | 28 | 93 | 56 | 19 | 30.07 | 30.00 | 29.94 | 10 | 10 | 10 | 12 | 3 | - | 0.00 | |
| 15 | 73 | 56 | 39 | 38 | 36 | 34 | 79 | 56 | 24 | 30.10 | 29.96 | 29.84 | 10 | 10 | 10 | 16 | 5 | - | 0.00 | |
| 16 | 73 | 55 | 37 | 39 | 34 | 28 | 83 | 53 | 18 | 30.00 | 29.92 | 29.84 | 10 | 10 | 10 | 15 | 5 | - | 0.00 | |
| 17 | 73 | 55 | 37 | 39 | 36 | 32 | 83 | 57 | 27 | 30.05 | 29.92 | 29.78 | 10 | 10 | 10 | 14 | 5 | - | 0.00 | |
| 18 | 75 | 58 | 42 | 37 | 34 | 28 | 73 | 46 | 18 | 29.92 | 29.83 | 29.78 | 10 | 10 | 10 | 12 | 8 | - | 0.00 | |
| 19 | 70 | 56 | 42 | 37 | 33 | 28 | 71 | 49 | 22 | 30.16 | 29.97 | 29.81 | 10 | 10 | 10 | 14 | 6 | - | 0.00 | |
| 20 | 48 | 42 | 36 | 36 | 34 | 30 | 89 | 72 | 56 | 30.31 | 30.23 | 30.17 | 10 | 10 | 10 | 8 | 5 | - | 0.00 | |
| 21 | 68 | 50 | 32 | 37 | 32 | 27 | 92 | 63 | 21 | 30.22 | 30.11 | 29.99 | 10 | 10 | 9 | 14 | 6 | - | 0.00 | |
| 22 | 75 | 54 | 34 | 35 | 31 | 26 | 82 | 50 | 18 | 30.06 | 29.99 | 29.88 | 10 | 10 | 10 | 9 | 2 | - | 0.00 | |
| 23 | 72 | 54 | 37 | 32 | 29 | 25 | 70 | 45 | 18 | 30.24 | 30.16 | 30.00 | 10 | 10 | 10 | 9 | 4 | - | 0.00 | |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 75 | 54 | 33 | 39 | 32 | 27 | 78 | 49 | 24 | 30.17 | 30.04 | 29.89 | 10 | 10 | 8 | 13 | 4 | - | 0.00 | |
| 25 | 71 | 54 | 37 | 34 | 29 | 24 | 79 | 47 | 17 | 30.16 | 30.09 | 30.00 | 10 | 10 | 10 | 9 | 4 | - | 0.00 | |
| 26 | 73 | 54 | 34 | 33 | 31 | 28 | 79 | 50 | 21 | 30.20 | 30.10 | 30.01 | 10 | 10 | 10 | 8 | 3 | - | 0.00 | |
| 27 | 72 | 54 | 36 | 42 | 35 | 28 | 80 | 58 | 29 | 30.12 | 30.02 | 29.94 | 10 | 10 | 10 | 12 | 3 | - | 0.00 | |
| 28 | 75 | 56 | 37 | 47 | 40 | 33 | 83 | 61 | 29 | 30.00 | 29.88 | 29.75 | 10 | 10 | 10 | 16 | 4 | - | 0.00 | |
| 29 | 55 | 50 | 39 | 54 | 46 | 33 | 100 | 83 | 52 | 29.94 | 29.81 | 29.70 | 10 | 7 | 0 | 25 | 7 | 36 | 0.19 | Fog , Rain |
| 30 | 64 | 50 | 35 | 41 | 37 | 32 | 89 | 67 | 38 | 30.28 | 30.17 | 29.97 | 10 | 10 | 10 | 8 | 3 | - | 0.00 | |
| **1998** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Dec** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 64 | 50 | 37 | 41 | 38 | 33 | 89 | 69 | 38 | 30.27 | 30.16 | 30.05 | 10 | 10 | 10 | 15 | 5 | - | 0.02 | Rain |
| 2 | 55 | 50 | 44 | 52 | 47 | 40 | 100 | 89 | 77 | 30.10 | 29.98 | 29.84 | 10 | 7 | 0 | 25 | 5 | 31 | 0.00 | Fog , Rain |
| 3 | 60 | 52 | 42 | 49 | 44 | 40 | 100 | 87 | 53 | 29.87 | 29.80 | 29.70 | 10 | 7 | 0 | 17 | 5 | - | 0.00 | Fog , Rain |
| 4 | 68 | 52 | 36 | 49 | 42 | 36 | 100 | 76 | 40 | 29.88 | 29.82 | 29.76 | 10 | 10 | 5 | 12 | 5 | - | 0.00 | |
| 5 | 73 | 56 | 39 | 43 | 35 | 26 | 89 | 55 | 18 | 29.83 | 29.72 | 29.59 | 10 | 10 | 10 | 22 | 9 | 30 | 0.00 | |
| 6 | 54 | 46 | 37 | 36 | 28 | 23 | 81 | 53 | 32 | 29.84 | 29.76 | 29.59 | 10 | 10 | 10 | 22 | 13 | 28 | 0.00 | |
| 7 | 45 | 36 | 28 | 31 | 27 | 24 | 100 | 71 | 44 | 30.32 | 30.08 | 29.81 | 10 | 10 | 7 | 24 | 10 | 31 | 0.00 | |
| 8 | 46 | 32 | 19 | 25 | 22 | 18 | 92 | 69 | 34 | 30.37 | 30.26 | 30.15 | 10 | 10 | 10 | 14 | 6 | - | 0.00 | |
| 9 | 46 | 35 | 24 | 34 | 27 | 20 | 85 | 68 | 50 | 30.27 | 30.14 | 30.05 | 10 | 10 | 10 | 14 | 5 | - | 0.00 | |
| 10 | 41 | 36 | 32 | 35 | 31 | 25 | 100 | 85 | 60 | 30.52 | 30.44 | 30.28 | 10 | 7 | 0 | 20 | 15 | 29 | 0.02 | Fog , Rain , Snow |
| 11 | 46 | 37 | 28 | 31 | 28 | 25 | 92 | 76 | 46 | 30.47 | 30.35 | 30.25 | 10 | 10 | 9 | 9 | 6 | - | 0.00 | |
| 12 | 55 | 40 | 24 | 30 | 25 | 20 | 92 | 67 | 26 | 30.37 | 30.30 | 30.22 | 10 | 10 | 10 | 7 | 3 | - | 0.00 | Rain |
| 13 | 59 | 44 | 28 | 30 | 27 | 22 | 85 | 62 | 24 | 30.46 | 30.37 | 30.31 | 10 | 10 | 10 | 9 | 5 | - | 0.00 | |
| 14 | 59 | 41 | 23 | 30 | 27 | 20 | 88 | 70 | 31 | 30.38 | 30.32 | 30.19 | 10 | 10 | 10 | 9 | 1 | - | 0.00 | |
| 15 | 55 | 42 | 28 | 32 | 29 | 26 | 92 | 72 | 37 | 30.39 | 30.31 | 30.25 | 10 | 10 | 10 | 10 | 6 | - | 0.00 | |
| 16 | 61 | 44 | 26 | 35 | 29 | 24 | 92 | 66 | 27 | 30.45 | 30.33 | 30.25 | 10 | 10 | 10 | 13 | 5 | - | 0.00 | |
| 17 | 55 | 41 | 27 | 38 | 32 | 25 | 97 | 75 | 47 | 30.44 | 30.21 | 29.88 | 10 | 10 | 10 | 17 | 6 | - | 0.00 | |
| 18 | 71 | 54 | 37 | 43 | 34 | 22 | 100 | 68 | 16 | 29.83 | 29.70 | 29.54 | 10 | 8 | 2 | 32 | 9 | 40 | 0.00 | Rain |
| 19 | 45 | 38 | 30 | 39 | 34 | 30 | 100 | 87 | 71 | 30.11 | 30.01 | 29.82 | 10 | 8 | 1 | 18 | 9 | 24 | 0.00 | |
| 20 | 69 | 54 | 39 | 41 | 35 | 19 | 100 | 72 | 15 | 30.02 | 29.92 | 29.76 | 10 | 6 | 0 | 29 | 18 | 38 | 0.00 | Fog |
| 21 | 48 | 33 | 17 | 34 | 20 | 3 | 82 | 55 | 33 | 30.60 | 30.07 | 29.74 | 10 | 10 | 10 | 25 | 13 | 34 | 0.00 | |
| 22 | 26 | 18 | 10 | 7 | 3 | -1 | 67 | 52 | 37 | 30.62 | 30.42 | 30.19 | 10 | 10 | 10 | 12 | 8 | - | 0.00 | |
| 23 | 30 | 22 | 15 | 9 | 8 | 6 | 71 | 54 | 38 | 30.41 | 30.31 | 30.18 | 10 | 10 | 10 | 10 | 5 | - | 0.00 | |
| 24 | 39 | 29 | 19 | 18 | 15 | 9 | 82 | 62 | 39 | 30.49 | 30.39 | 30.31 | 10 | 10 | 10 | 15 | 6 | - | 0.00 | |
| 25 | 60 | 38 | 15 | 21 | 16 | 12 | 89 | 54 | 20 | 30.37 | 30.25 | 30.13 | 10 | 10 | 10 | 12 | 4 | - | 0.00 | |
| 26 | 63 | 41 | 19 | 27 | 20 | 14 | 78 | 46 | 21 | 30.17 | 30.03 | 29.90 | 10 | 10 | 10 | 13 | 5 | - | 0.00 | |
| 27 | 69 | 51 | 33 | 28 | 22 | 14 | 70 | 40 | 14 | 30.14 | 29.99 | 29.88 | 10 | 10 | 10 | 22 | 6 | 28 | 0.00 | |
| 28 | 69 | 48 | 28 | 29 | 23 | 19 | 79 | 44 | 16 | 30.12 | 29.99 | 29.83 | 10 | 10 | 10 | 24 | 8 | 39 | 0.00 | |
| 29 | 64 | 50 | 36 | 27 | 24 | 21 | 60 | 40 | 22 | 30.11 | 30.05 | 29.93 | 10 | 10 | 10 | 12 | 6 | - | 0.00 | |
| 30 | 63 | 46 | 30 | 34 | 30 | 24 | 82 | 59 | 34 | 30.04 | 29.91 | 29.77 | 10 | 10 | 10 | 16 | 4 | - | 0.00 | |

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| 1998 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 51 | 44 | 37 | 37 | 34 | 32 | 93 | 69 | 54 | 30.20 | 30.00 | 29.78 | 10 | 10 | 10 | 18 | 12 | - | 0.00 | |

Comma Delimited File

Show full METARS | METAR FAQ | Comma Delimited File

# History for Roswell, NM

January 1, 1986 through December 31, 1986 — View Current Conditions

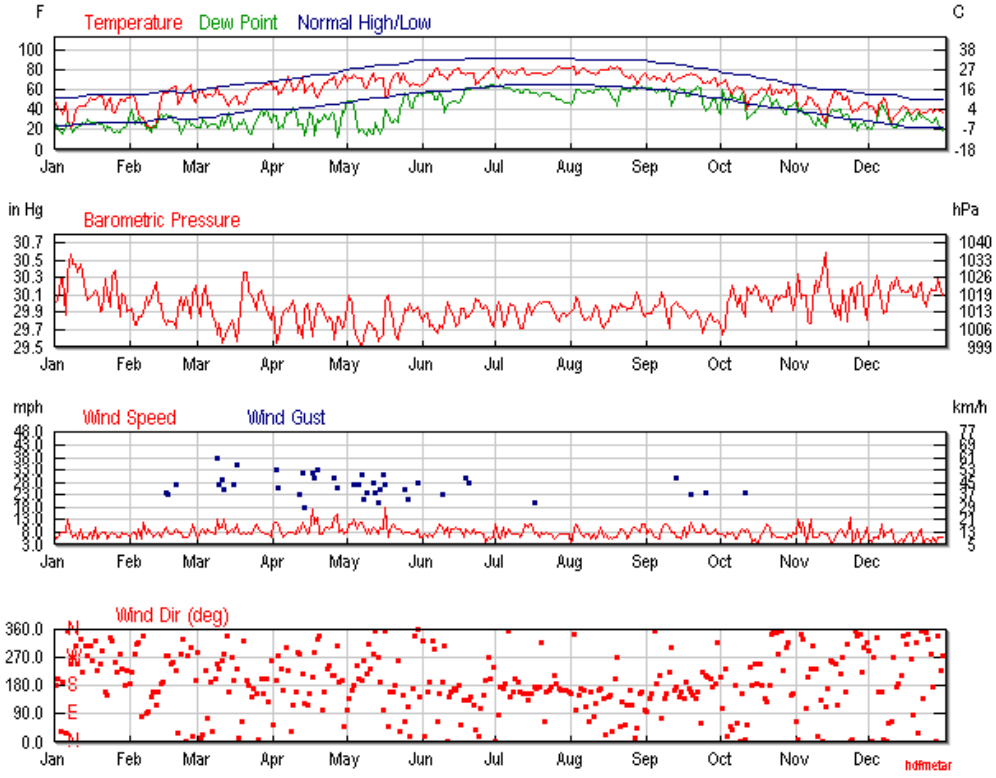
D

**January 1, 1986 through December 31, 1986**

January 1 1986 - TO - December 31 1986 Go

Daily Weekly Monthly **Custom**

| | Max | Avg | Min | Sum |
|---|---|---|---|---|
| Temperature | | | | |
| Max Temperature | **102** °F | **74** °F | **24** °F | |
| Mean Temperature | **84** °F | **61** °F | **20** °F | |
| Min Temperature | **73** °F | **48** °F | **12** °F | |
| Degree Days | | | | |
| Heating Degree Days (base 65) | 45 | 8 | 0 | 3091 |
| Cooling Degree Days (base 65) | 20 | 4 | 0 | 1596 |
| Growing Degree Days (base 50) | 34 | 13 | 0 | 4909 |
| Dew Point | | | | |
| Dew Point | **69** °F | **40** °F | **4** °F | |
| Precipitation | | | | |
| Precipitation | **2.90** in | **0.06** in | **0.00** in | **23.68** in |
| Snowdepth | **5.0** in | **3.0** in | **1.0** in | - |
| Wind | | | | |
| Wind | **53** mph | **8** mph | **0** mph | |
| Gust Wind | **47** mph | **26** mph | **16** mph | |
| Sea Level Pressure | | | | |
| Sea Level Pressure | **30.72** in | **29.96** in | **29.31** in | |




Certify This Report

## Observations

| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | high | sum | |
| 1 | 64 | 50 | 36 | 37 | 32 | 24 | 73 | 55 | 34 | 30.08 | 29.98 | 29.87 | 15 | 10 | 7 | 12 | 7 | - | 0.00 | Rain |
| 2 | 66 | 46 | 27 | 32 | 21 | 9 | 100 | 49 | 11 | 30.14 | 30.02 | 29.90 | 20 | 9 | 7 | 10 | 5 | - | 0.00 | |
| 3 | 55 | 42 | 28 | 29 | 23 | 14 | 64 | 47 | 33 | 30.14 | 30.04 | 29.92 | 10 | 8 | 7 | 14 | 6 | - | 0.22 | |
| 4 | 50 | 39 | 28 | 25 | 18 | 15 | 59 | 42 | 26 | 30.48 | 30.29 | 29.99 | 10 | 10 | 7 | 17 | 8 | - | 0.00 | |
| 5 | 48 | 36 | 23 | 18 | 16 | 12 | 72 | 47 | 24 | 30.48 | 30.28 | 30.04 | 20 | 11 | 10 | 16 | 8 | - | 0.00 | |
| 6 | 66 | 47 | 28 | 36 | 24 | 15 | 79 | 43 | 23 | 30.02 | 29.87 | 29.71 | 20 | 9 | 7 | 18 | 8 | 26 | 0.00 | Rain |
| 7 | 41 | 31 | 19 | 37 | 28 | 18 | 100 | 94 | 79 | 30.62 | 30.37 | 29.87 | 10 | 5 | 0 | 17 | 13 | - | 0.30 | Fog , Rain , Snow |
| 8 | 33 | 22 | 12 | 30 | 20 | 13 | 100 | 94 | 69 | 30.63 | 30.58 | 30.51 | 15 | 10 | 7 | 9 | 7 | - | 0.10 | |
| 9 | 37 | 24 | 12 | 21 | 17 | 12 | 100 | 75 | 48 | 30.56 | 30.46 | 30.34 | 10 | 9 | 4 | 8 | 6 | - | 0.00 | Fog |
| 10 | 55 | 40 | 24 | 26 | 23 | 19 | 81 | 59 | 32 | 30.53 | 30.45 | 30.38 | 20 | 8 | 6 | 12 | 7 | - | 0.00 | Fog |
| 11 | 59 | 42 | 26 | 26 | 22 | 18 | 81 | 53 | 28 | 30.44 | 30.36 | 30.26 | 15 | 9 | 7 | 9 | 5 | - | 0.00 | |
| 12 | 57 | 44 | 32 | 36 | 24 | 20 | 100 | 53 | 25 | 30.53 | 30.45 | 30.30 | 20 | 10 | 7 | 14 | 9 | - | 0.00 | |
| 13 | 60 | 44 | 27 | 35 | 27 | 20 | 100 | 64 | 32 | 30.49 | 30.34 | 30.15 | 20 | 11 | 10 | 10 | 5 | - | 0.00 | |
| 14 | 60 | 44 | 28 | 33 | 26 | 19 | 89 | 61 | 21 | 30.19 | 30.12 | 30.06 | 10 | 9 | 7 | 9 | 6 | - | 0.00 | |
| 15 | 66 | 47 | 28 | 34 | 30 | 25 | 85 | 59 | 25 | 30.11 | 30.04 | 29.93 | 10 | 10 | 10 | 12 | 5 | - | 0.00 | |
| 16 | 66 | 52 | 37 | 32 | 28 | 19 | 76 | 48 | 17 | 30.14 | 30.07 | 30.00 | 20 | 11 | 7 | 16 | 8 | 26 | 0.00 | |
| 17 | 70 | 50 | 30 | 31 | 28 | 25 | 82 | 49 | 22 | 30.18 | 30.09 | 29.98 | 10 | 8 | 7 | 14 | 5 | - | 0.00 | |
| 18 | 61 | 51 | 37 | 31 | 28 | 24 | 73 | 43 | 24 | 30.29 | 30.16 | 29.98 | 20 | 9 | 7 | 16 | 10 | 18 | 0.00 | |
| 19 | 73 | 52 | 30 | 31 | 28 | 24 | 82 | 52 | 16 | 30.23 | 30.13 | 30.00 | 15 | 10 | 7 | 8 | 5 | - | 0.00 | |
| 20 | 77 | 54 | 30 | 30 | 26 | 21 | 79 | 44 | 14 | 30.02 | 29.90 | 29.77 | 20 | 10 | 7 | 12 | 7 | - | 0.00 | |
| 21 | 70 | 54 | 37 | 27 | 25 | 20 | 62 | 35 | 15 | 30.19 | 29.92 | 29.76 | 15 | 9 | 7 | 12 | 8 | 21 | 0.00 | |
| 22 | 51 | 40 | 30 | 22 | 19 | 16 | 59 | 40 | 25 | 30.39 | 30.29 | 30.21 | 20 | 12 | 10 | 14 | 8 | - | 0.00 | |
| 23 | 64 | 45 | 26 | 28 | 24 | 18 | 78 | 51 | 24 | 30.27 | 30.11 | 29.92 | 10 | 9 | 7 | 13 | 5 | - | 0.00 | |
| 24 | 70 | 52 | 33 | 29 | 23 | 18 | 72 | 42 | 14 | 30.11 | 29.97 | 29.86 | 15 | 11 | 7 | 20 | 7 | - | 0.00 | |
| 25 | 52 | 39 | 26 | 22 | 19 | 17 | 69 | 47 | 26 | 30.45 | 30.31 | 30.10 | 20 | 11 | 10 | 21 | 8 | 23 | 0.00 | |
| 26 | 54 | 38 | 21 | 18 | 17 | 14 | 72 | 48 | 24 | 30.50 | 30.39 | 30.26 | 20 | 14 | 10 | 16 | 7 | - | 0.00 | |
| 27 | 60 | 42 | 25 | 22 | 19 | 14 | 71 | 47 | 21 | 30.33 | 30.17 | 29.94 | 20 | 10 | 7 | 12 | 6 | - | 0.00 | |
| 28 | 75 | 51 | 27 | 23 | 17 | 9 | 72 | 37 | 8 | 29.93 | 29.85 | 29.75 | 15 | 10 | 10 | 21 | 6 | 24 | 0.00 | |
| 29 | 61 | 50 | 39 | 24 | 20 | 14 | 55 | 35 | 22 | 30.30 | 30.12 | 29.83 | 20 | 11 | 10 | 16 | 8 | - | 0.00 | |
| 30 | 71 | 49 | 27 | 26 | 23 | 18 | 69 | 43 | 17 | 30.20 | 30.08 | 29.92 | 20 | 11 | 7 | 9 | 7 | - | 0.00 | |
| 31 | 70 | 52 | 33 | 28 | 24 | 22 | 66 | 40 | 18 | 29.99 | 29.91 | 29.83 | 20 | 12 | 7 | 12 | 7 | - | 0.00 | |
| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
| Feb | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | low | high | avg | high | sum | |
| 1 | 69 | 53 | 37 | 43 | 36 | 29 | 76 | 51 | 33 | 30.01 | 29.93 | 29.86 | 20 | 11 | 10 | 14 | 6 | - | 0.00 | |
| 2 | 64 | 56 | 46 | 46 | 41 | 36 | 77 | 60 | 42 | 30.04 | 29.94 | 29.85 | 20 | 11 | 10 | 15 | 7 | - | 0.00 | |
| 3 | 68 | 52 | 35 | 36 | 25 | 12 | 86 | 45 | 12 | 29.90 | 29.76 | 29.63 | 20 | 11 | 10 | 18 | 8 | - | 0.00 | |

Comma Delimited File

| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 53 | 42 | 30 | 37 | 27 | 20 | 87 | 60 | 31 | 29.84 | 29.75 | 29.67 | 20 | 10 | 7 | 7 | 5 | - | 0.04 | Rain |
| 5 | 43 | 36 | 25 | 36 | 32 | 21 | 96 | 85 | 73 | 29.98 | 29.86 | 29.77 | 20 | 11 | 7 | 21 | 9 | - | 0.00 | Rain |
| 6 | 48 | 33 | 18 | 39 | 25 | 17 | 100 | 74 | 40 | 29.98 | 29.85 | 29.73 | 20 | 7 | 0 | 7 | 5 | - | 0.00 | Fog |
| 7 | 39 | 32 | 25 | 35 | 27 | 19 | 96 | 78 | 61 | 30.14 | 29.89 | 29.70 | 20 | 10 | 6 | 25 | 12 | 33 | 0.03 | Rain , Snow |
| 8 | 28 | 24 | 21 | 25 | 21 | 17 | 96 | 86 | 75 | 30.15 | 30.07 | 29.96 | 10 | 6 | 1 | 10 | 7 | - | 0.10 | Fog , Snow |
| 9 | 28 | 24 | 19 | 27 | 23 | 18 | 100 | 93 | 81 | 30.07 | 29.99 | 29.92 | 7 | 2 | 0 | 14 | 9 | - | 0.10 | Fog , Snow |
| 10 | 24 | 20 | 16 | 23 | 17 | 12 | 100 | 87 | 74 | 30.13 | 30.08 | 30.02 | 20 | 6 | 0 | 10 | 7 | - | 0.10 | Fog , Snow |
| 11 | 27 | 24 | 21 | 25 | 24 | 20 | 100 | 95 | 88 | 30.22 | 30.14 | 30.08 | 2 | 1 | 0 | 14 | 6 | - | 0.00 | Fog |
| 12 | 28 | 24 | 19 | 27 | 23 | 17 | 96 | 93 | 85 | 30.33 | 30.25 | 30.16 | 10 | 2 | 0 | 13 | 7 | - | 0.00 | Fog |
| 13 | 46 | 36 | 27 | 37 | 31 | 26 | 96 | 86 | 66 | 30.17 | 30.02 | 29.84 | 7 | 3 | 0 | 12 | 8 | - | 0.00 | Fog |
| 14 | 66 | 52 | 37 | 41 | 35 | 30 | 86 | 57 | 29 | 30.10 | 30.00 | 29.94 | 20 | 9 | 5 | 12 | 6 | - | 0.00 | Fog |
| 15 | 75 | 57 | 39 | 40 | 33 | 23 | 89 | 47 | 14 | 29.95 | 29.84 | 29.71 | 15 | 9 | 7 | 17 | 8 | 25 | 0.00 | |
| 16 | 71 | 58 | 46 | 40 | 35 | 30 | 71 | 45 | 22 | 29.82 | 29.76 | 29.69 | 20 | 10 | 7 | 18 | 10 | 25 | 0.00 | |
| 17 | 77 | 58 | 39 | 38 | 32 | 27 | 73 | 41 | 16 | 29.94 | 29.82 | 29.72 | 20 | 10 | 7 | 17 | 8 | 23 | 0.00 | |
| 18 | 81 | 62 | 43 | 40 | 34 | 28 | 74 | 45 | 14 | 29.86 | 29.79 | 29.73 | 15 | 11 | 7 | 15 | 7 | - | 0.00 | |
| 19 | 82 | 62 | 43 | 37 | 29 | 15 | 74 | 37 | 8 | 29.90 | 29.80 | 29.70 | 15 | 10 | 10 | 16 | 7 | 25 | 0.00 | |
| 20 | 79 | 64 | 48 | 33 | 27 | 18 | 52 | 29 | 10 | 29.79 | 29.72 | 29.65 | 10 | 10 | 10 | 23 | 9 | 33 | 0.00 | |
| 21 | 60 | 46 | 33 | 33 | 27 | 19 | 70 | 48 | 26 | 30.06 | 29.95 | 29.80 | 20 | 12 | 7 | 14 | 8 | - | 0.00 | |
| 22 | 68 | 51 | 34 | 24 | 16 | 6 | 56 | 29 | 9 | 30.19 | 30.07 | 29.99 | 7 | 7 | 7 | 13 | 8 | - | 0.00 | |
| 23 | 78 | 56 | 33 | 23 | 19 | 16 | 59 | 30 | 10 | 30.03 | 29.93 | 29.83 | 10 | 10 | 7 | 21 | 6 | 24 | 0.00 | |
| 24 | 75 | 60 | 45 | 31 | 27 | 23 | 52 | 33 | 15 | 30.15 | 30.07 | 29.94 | 15 | 10 | 10 | 9 | 6 | - | 0.00 | |
| 25 | 84 | 62 | 39 | 33 | 30 | 25 | 68 | 35 | 12 | 30.13 | 30.02 | 29.90 | 20 | 13 | 7 | 12 | 6 | - | 0.00 | |
| 26 | 84 | 65 | 46 | 32 | 24 | 14 | 47 | 26 | 7 | 29.93 | 29.83 | 29.69 | 20 | 12 | 7 | 14 | 8 | - | 0.00 | |
| 27 | 61 | 52 | 44 | 34 | 25 | 21 | 47 | 36 | 24 | 30.24 | 30.11 | 29.80 | 15 | 10 | 10 | 21 | 11 | 31 | 0.00 | |
| 28 | 64 | 48 | 33 | 25 | 22 | 20 | 65 | 37 | 19 | 30.38 | 30.21 | 30.10 | 20 | 14 | 10 | 14 | 7 | - | 0.00 | |
| **1986** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Mar** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 81 | 56 | 30 | 27 | 22 | 17 | 76 | 34 | 10 | 30.11 | 29.98 | 29.83 | 10 | 10 | 10 | 10 | 5 | - | 0.00 | |
| 2 | 77 | 60 | 44 | 28 | 23 | 18 | 42 | 24 | 11 | 29.92 | 29.86 | 29.81 | 20 | 11 | 10 | 14 | 8 | - | 0.00 | |
| 3 | 66 | 58 | 50 | 34 | 30 | 26 | 52 | 38 | 24 | 30.31 | 30.10 | 29.92 | 20 | 11 | 7 | 13 | 9 | - | 0.00 | Rain |
| 4 | 68 | 52 | 36 | 32 | 28 | 24 | 79 | 42 | 19 | 30.35 | 30.21 | 30.03 | 20 | 9 | 7 | 14 | 7 | - | 0.00 | |
| 5 | 71 | 55 | 39 | 27 | 23 | 18 | 49 | 33 | 13 | 30.14 | 29.99 | 29.90 | 20 | 11 | 7 | 17 | 9 | 24 | 0.00 | |
| 6 | 77 | 56 | 35 | 30 | 25 | 16 | 59 | 33 | 15 | 30.17 | 30.02 | 29.86 | 15 | 11 | 7 | 16 | 8 | - | 0.00 | |
| 7 | 66 | 54 | 43 | 27 | 25 | 21 | 49 | 34 | 22 | 29.93 | 29.86 | 29.80 | 20 | 11 | 10 | 17 | 8 | - | 0.00 | |
| 8 | 81 | 58 | 35 | 30 | 26 | 22 | 64 | 34 | 12 | 29.92 | 29.79 | 29.64 | 10 | 10 | 10 | 16 | 7 | 21 | 0.00 | |
| 9 | 75 | 64 | 52 | 30 | 22 | 12 | 35 | 21 | 11 | 29.81 | 29.64 | 29.54 | 10 | 8 | 5 | 38 | 13 | 46 | 0.00 | |
| 10 | 71 | 55 | 39 | 26 | 21 | 12 | 38 | 25 | 17 | 29.94 | 29.78 | 29.65 | 10 | 8 | 7 | 21 | 9 | 29 | 0.00 | |
| 11 | 62 | 55 | 48 | 36 | 32 | 29 | 56 | 44 | 29 | 29.65 | 29.55 | 29.45 | 20 | 11 | 7 | 23 | 10 | 34 | 0.00 | Rain , Thunderstorm |
| 12 | 62 | 54 | 45 | 28 | 24 | 19 | 48 | 34 | 19 | 29.67 | 29.59 | 29.52 | 20 | 12 | 10 | 22 | 13 | 30 | 0.00 | |

Comma Delimited File

| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 57 | 46 | 36 | 36 | 30 | 21 | 82 | 56 | 36 | 29.80 | 29.70 | 29.62 | 20 | 10 | 7 | 14 | 7 | - | 0.00 | |
| 14 | 52 | 44 | 35 | 45 | 37 | 21 | 89 | 78 | 51 | 29.81 | 29.72 | 29.62 | 20 | 12 | 7 | 18 | 8 | - | 0.04 | Rain |
| 15 | 66 | 50 | 35 | 34 | 23 | 13 | 89 | 41 | 12 | 29.88 | 29.81 | 29.75 | 20 | 11 | 10 | 14 | 9 | 25 | 0.00 | |
| 16 | 73 | 52 | 30 | 26 | 19 | 13 | 59 | 31 | 10 | 29.90 | 29.75 | 29.59 | 10 | 10 | 10 | 20 | 8 | 30 | 0.00 | |
| 17 | 66 | 54 | 42 | 30 | 20 | 14 | 55 | 29 | 14 | 29.61 | 29.57 | 29.49 | 20 | 13 | 10 | 29 | 11 | 40 | 0.00 | |
| 18 | 57 | 46 | 34 | 38 | 28 | 22 | 76 | 53 | 29 | 29.99 | 29.74 | 29.58 | 15 | 10 | 10 | 17 | 8 | - | 0.02 | Rain |
| 19 | 55 | 47 | 39 | 37 | 25 | 17 | 83 | 48 | 23 | 30.29 | 30.14 | 29.99 | 15 | 10 | 7 | 23 | 7 | 34 | 0.10 | Rain |
| 20 | 57 | 46 | 34 | 37 | 30 | 22 | 93 | 61 | 25 | 30.48 | 30.36 | 30.22 | 20 | 11 | 7 | 14 | 8 | - | 0.01 | Rain |
| 21 | 71 | 50 | 30 | 27 | 23 | 18 | 79 | 40 | 14 | 30.49 | 30.36 | 30.24 | 15 | 10 | 10 | 13 | 7 | - | 0.00 | |
| 22 | 79 | 58 | 37 | 25 | 18 | 12 | 59 | 25 | 8 | 30.25 | 30.13 | 30.01 | 20 | 11 | 10 | 17 | 8 | - | 0.00 | |
| 23 | 81 | 60 | 39 | 22 | 15 | 9 | 43 | 20 | 8 | 30.25 | 30.10 | 30.01 | 10 | 9 | 7 | 10 | 7 | - | 0.00 | |
| 24 | 81 | 61 | 41 | 34 | 23 | 12 | 57 | 28 | 8 | 30.17 | 30.05 | 29.93 | 15 | 11 | 7 | 21 | 9 | 23 | 0.00 | |
| 25 | 82 | 63 | 44 | 39 | 30 | 14 | 73 | 36 | 10 | 30.05 | 29.92 | 29.81 | 20 | 9 | 7 | 16 | 11 | - | 0.00 | |
| 26 | 75 | 60 | 45 | 41 | 33 | 20 | 58 | 38 | 21 | 30.24 | 30.12 | 29.93 | 20 | 11 | 10 | 16 | 9 | - | 0.00 | |
| 27 | 78 | 62 | 46 | 46 | 41 | 33 | 86 | 50 | 21 | 30.26 | 30.16 | 30.06 | 20 | 11 | 7 | 13 | 8 | - | 0.00 | |
| 28 | 82 | 64 | 46 | 45 | 34 | 21 | 76 | 40 | 13 | 30.15 | 30.06 | 29.97 | 20 | 11 | 10 | 13 | 8 | - | 0.44 | |
| 29 | 79 | 65 | 51 | 45 | 39 | 27 | 69 | 44 | 21 | 30.00 | 29.94 | 29.88 | 20 | 11 | 10 | 23 | 7 | 31 | 0.00 | |
| 30 | 84 | 66 | 48 | 41 | 35 | 25 | 68 | 36 | 14 | 29.96 | 29.87 | 29.78 | 15 | 10 | 10 | 12 | 7 | - | 0.00 | |
| 31 | 88 | 69 | 50 | 33 | 28 | 23 | 43 | 23 | 10 | 29.88 | 29.81 | 29.74 | 15 | 9 | 7 | 14 | 6 | - | 0.00 | |
| **1986** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Apr** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 71 | 61 | 51 | 42 | 36 | 28 | 57 | 39 | 23 | 30.16 | 29.97 | 29.80 | 15 | 10 | 7 | 18 | 11 | 30 | 0.00 | |
| 2 | 80 | 64 | 46 | 46 | 34 | 20 | 86 | 43 | 12 | 29.79 | 29.54 | 29.31 | 20 | 12 | 7 | 32 | 12 | 47 | 0.00 | |
| 3 | 66 | 56 | 46 | 33 | 21 | 12 | 54 | 29 | 15 | 29.75 | 29.60 | 29.52 | 20 | 11 | 10 | 20 | 11 | 26 | 0.00 | |
| 4 | 73 | 57 | 41 | 29 | 24 | 18 | 51 | 30 | 15 | 29.85 | 29.79 | 29.73 | 20 | 12 | 7 | 12 | 7 | - | 0.00 | |
| 5 | 79 | 60 | 41 | 29 | 22 | 17 | 48 | 26 | 10 | 29.97 | 29.90 | 29.84 | 20 | 11 | 10 | 12 | 6 | - | 0.00 | |
| 6 | 84 | 67 | 50 | 56 | 37 | 19 | 57 | 34 | 21 | 30.15 | 29.94 | 29.83 | 20 | 13 | 10 | 12 | 7 | - | 0.00 | |
| 7 | 91 | 74 | 57 | 45 | 35 | 28 | 58 | 28 | 12 | 29.99 | 29.90 | 29.80 | 10 | 9 | 7 | 21 | 8 | 30 | 0.00 | |
| 8 | 81 | 66 | 51 | 51 | 38 | 28 | 78 | 37 | 17 | 30.20 | 29.98 | 29.90 | 20 | 12 | 7 | 17 | 8 | - | 0.30 | Rain , Thunderstorm |
| 9 | 66 | 59 | 50 | 47 | 42 | 38 | 77 | 58 | 37 | 30.21 | 30.04 | 29.91 | 20 | 11 | 7 | 12 | 8 | - | 0.01 | |
| 10 | 78 | 60 | 41 | 45 | 37 | 27 | 89 | 51 | 15 | 30.03 | 29.86 | 29.70 | 20 | 11 | 7 | 10 | 7 | - | 0.00 | |
| 11 | 80 | 66 | 53 | 36 | 24 | 19 | 41 | 20 | 11 | 29.72 | 29.66 | 29.60 | 15 | 11 | 7 | 17 | 10 | 28 | 0.00 | |
| 12 | 84 | 67 | 50 | 30 | 26 | 21 | 36 | 23 | 12 | 29.82 | 29.73 | 29.67 | 20 | 13 | 10 | 16 | 8 | 23 | 0.00 | |
| 13 | 86 | 74 | 61 | 31 | 26 | 11 | 31 | 19 | 12 | 29.75 | 29.60 | 29.48 | 15 | 9 | 5 | 23 | 12 | 39 | 0.00 | |
| 14 | 75 | 58 | 42 | 21 | 14 | 5 | 27 | 16 | 12 | 30.03 | 29.92 | 29.76 | 10 | 9 | 7 | 15 | 10 | 18 | 0.00 | |
| 15 | 78 | 63 | 48 | 32 | 25 | 17 | 34 | 24 | 17 | 30.12 | 30.00 | 29.92 | 15 | 11 | 7 | 14 | 7 | - | 0.00 | |
| 16 | 80 | 64 | 48 | 53 | 38 | 28 | 65 | 37 | 23 | 29.99 | 29.85 | 29.71 | 20 | 11 | 5 | 20 | 8 | 36 | 0.00 | Fog , Rain |
| 17 | 81 | 68 | 55 | 56 | 34 | 9 | 97 | 40 | 11 | 29.80 | 29.63 | 29.52 | 20 | 9 | 0 | 29 | 17 | 40 | 0.00 | Fog |
| 18 | 75 | 58 | 42 | 18 | 14 | 10 | 31 | 17 | 11 | 29.87 | 29.81 | 29.71 | 15 | 11 | 7 | 18 | 11 | 30 | 0.00 | |

Comma Delimited File

| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 61 | 53 | 43 | 36 | 30 | 12 | 65 | 43 | 18 | 30.12 | 30.00 | 29.86 | 20 | 13 | 10 | 25 | 14 | 36 | 0.00 | |
| 20 | 77 | 57 | 37 | 32 | 28 | 25 | 73 | 37 | 16 | 30.09 | 30.00 | 29.89 | 15 | 10 | 10 | 13 | 7 | - | 0.00 | |
| 21 | 81 | 63 | 45 | 36 | 31 | 23 | 46 | 30 | 17 | 30.03 | 29.95 | 29.90 | 10 | 10 | 10 | 12 | 7 | - | 0.00 | |
| 22 | 87 | 68 | 48 | 43 | 36 | 30 | 59 | 34 | 13 | 29.98 | 29.87 | 29.74 | 15 | 11 | 7 | 18 | 9 | 25 | 0.00 | |
| 23 | 84 | 68 | 52 | 38 | 31 | 27 | 47 | 26 | 13 | 29.92 | 29.80 | 29.72 | 20 | 11 | 7 | 18 | 10 | - | 0.00 | Rain , Thunderstorm |
| 24 | 87 | 70 | 52 | 37 | 31 | 24 | 41 | 24 | 10 | 29.96 | 29.85 | 29.75 | 20 | 11 | 10 | 16 | 9 | - | 0.00 | |
| 25 | 82 | 71 | 60 | 48 | 38 | 32 | 64 | 33 | 16 | 29.89 | 29.77 | 29.67 | 20 | 11 | 7 | 20 | 10 | 29 | 0.00 | |
| 26 | 84 | 74 | 63 | 40 | 35 | 31 | 38 | 26 | 15 | 29.67 | 29.58 | 29.49 | 20 | 12 | 7 | 28 | 14 | 34 | 0.00 | |
| 27 | 75 | 62 | 48 | 30 | 13 | 7 | 36 | 17 | 7 | 29.91 | 29.85 | 29.70 | 15 | 11 | 7 | 23 | 15 | 29 | 0.00 | |
| 28 | 87 | 66 | 46 | 25 | 17 | 9 | 24 | 15 | 8 | 29.95 | 29.85 | 29.71 | 15 | 10 | 10 | 17 | 8 | - | 0.00 | |
| 29 | 84 | 70 | 57 | 48 | 39 | 26 | 49 | 32 | 21 | 29.88 | 29.72 | 29.64 | 10 | 10 | 10 | 17 | 9 | - | 0.00 | Rain , Thunderstorm |
| 30 | 90 | 76 | 61 | 53 | 38 | 22 | 72 | 34 | 9 | 29.83 | 29.73 | 29.65 | 20 | 13 | 7 | 14 | 7 | 23 | 0.00 | |
| **1986** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **May** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 84 | 69 | 54 | 53 | 49 | 45 | 72 | 47 | 26 | 30.04 | 29.96 | 29.85 | 20 | 12 | 7 | 17 | 8 | - | 0.00 | |
| 2 | 82 | 72 | 62 | 55 | 49 | 40 | 78 | 50 | 25 | 30.21 | 30.10 | 30.01 | 20 | 12 | 10 | 17 | 11 | - | 0.00 | |
| 3 | 84 | 72 | 59 | 54 | 49 | 45 | 78 | 49 | 26 | 30.13 | 30.01 | 29.85 | 20 | 10 | 7 | 21 | 11 | 30 | 0.00 | |
| 4 | 91 | 75 | 59 | 54 | 44 | 21 | 81 | 41 | 12 | 29.93 | 29.74 | 29.55 | 20 | 10 | 7 | 23 | 13 | 30 | 0.00 | |
| 5 | 90 | 72 | 53 | 49 | 24 | 7 | 67 | 22 | 7 | 29.70 | 29.61 | 29.56 | 15 | 10 | 10 | 18 | 9 | 29 | 0.00 | |
| 6 | 89 | 72 | 54 | 22 | 18 | 10 | 28 | 13 | 7 | 29.68 | 29.59 | 29.52 | 10 | 10 | 10 | 23 | 11 | 34 | 0.00 | |
| 7 | 86 | 72 | 57 | 32 | 20 | 12 | 26 | 14 | 8 | 29.58 | 29.50 | 29.39 | 20 | 10 | 7 | 24 | 12 | 37 | 0.00 | |
| 8 | 75 | 64 | 52 | 30 | 17 | 5 | 40 | 18 | 8 | 29.76 | 29.62 | 29.47 | 10 | 9 | 7 | 18 | 10 | 23 | 0.00 | |
| 9 | 81 | 62 | 43 | 21 | 14 | 6 | 30 | 17 | 8 | 29.83 | 29.74 | 29.63 | 10 | 10 | 10 | 18 | 7 | 28 | 0.00 | |
| 10 | 84 | 68 | 53 | 27 | 20 | 5 | 37 | 18 | 9 | 29.86 | 29.79 | 29.73 | 15 | 10 | 7 | 17 | 9 | - | 0.00 | |
| 11 | 91 | 70 | 48 | 25 | 17 | 11 | 29 | 14 | 7 | 29.88 | 29.77 | 29.67 | 15 | 9 | 7 | 16 | 7 | 28 | 0.00 | |
| 12 | 91 | 77 | 63 | 20 | 15 | 7 | 16 | 9 | 6 | 29.78 | 29.70 | 29.60 | 15 | 10 | 10 | 21 | 10 | 28 | 0.00 | |
| 13 | 86 | 69 | 52 | 48 | 27 | 8 | 47 | 20 | 10 | 29.85 | 29.71 | 29.62 | 10 | 10 | 10 | 18 | 9 | 25 | 0.00 | |
| 14 | 88 | 72 | 57 | 29 | 19 | 4 | 32 | 15 | 7 | 29.62 | 29.56 | 29.49 | 10 | 9 | 7 | 18 | 7 | 21 | 0.00 | |
| 15 | 90 | 72 | 55 | 21 | 15 | 7 | 19 | 10 | 7 | 29.70 | 29.60 | 29.52 | 20 | 11 | 10 | 18 | 10 | 26 | 0.00 | |
| 16 | 89 | 72 | 55 | 46 | 24 | 9 | 48 | 20 | 8 | 29.90 | 29.64 | 29.55 | 15 | 10 | 2 | 23 | 9 | 37 | 0.00 | Fog |
| 17 | 62 | 52 | 43 | 45 | 40 | 37 | 89 | 74 | 53 | 30.22 | 30.04 | 29.74 | 20 | 8 | 1 | 23 | 18 | 32 | 0.30 | Fog , Rain |
| 18 | 73 | 56 | 39 | 40 | 36 | 32 | 93 | 52 | 22 | 30.20 | 30.09 | 29.98 | 20 | 11 | 10 | 10 | 6 | - | 0.00 | |
| 19 | 86 | 67 | 48 | 39 | 29 | 22 | 54 | 29 | 11 | 30.03 | 29.95 | 29.84 | 10 | 10 | 10 | 17 | 9 | 25 | 0.00 | |
| 20 | 93 | 73 | 53 | 32 | 28 | 22 | 43 | 21 | 9 | 29.89 | 29.80 | 29.67 | 20 | 11 | 10 | 15 | 11 | - | 0.00 | |
| 21 | 97 | 76 | 55 | 37 | 31 | 24 | 40 | 20 | 9 | 29.73 | 29.65 | 29.55 | 20 | 10 | 7 | 14 | 10 | - | 0.00 | |
| 22 | 93 | 78 | 63 | 37 | 28 | 20 | 32 | 17 | 9 | 29.63 | 29.58 | 29.55 | 20 | 11 | 7 | 16 | 9 | 24 | 0.63 | |
| 23 | 82 | 68 | 55 | 52 | 40 | 21 | 59 | 33 | 17 | 29.84 | 29.74 | 29.59 | 20 | 11 | 7 | 18 | 9 | - | 0.00 | |
| 24 | 91 | 78 | 64 | 60 | 48 | 35 | 71 | 41 | 15 | 29.98 | 29.79 | 29.68 | 20 | 15 | 5 | 21 | 7 | 34 | 0.00 | |

Comma Delimited File

| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 79 | 70 | 59 | 61 | 57 | 55 | 90 | 69 | 47 | 30.14 | 29.95 | 29.84 | 20 | 12 | 7 | 17 | 8 | 28 | 0.00 | Rain , Thunderstorm |
| 26 | 77 | 67 | 57 | 58 | 54 | 51 | 93 | 70 | 45 | 30.13 | 29.93 | 29.72 | 20 | 10 | 7 | 14 | 8 | 21 | 0.02 | Rain , Thunderstorm |
| 27 | 72 | 64 | 55 | 52 | 44 | 37 | 83 | 55 | 29 | 30.12 | 30.00 | 29.91 | 20 | 14 | 10 | 12 | 8 | - | 0.10 | |
| 28 | 81 | 67 | 53 | 47 | 43 | 40 | 69 | 42 | 24 | 29.99 | 29.90 | 29.78 | 20 | 12 | 10 | 17 | 7 | - | 0.00 | |
| 29 | 78 | 66 | 55 | 58 | 53 | 48 | 90 | 66 | 36 | 30.10 | 29.93 | 29.83 | 15 | 10 | 7 | 25 | 7 | 30 | 0.00 | Rain , Thunderstorm |
| 30 | 77 | 66 | 55 | 58 | 54 | 50 | 96 | 72 | 42 | 30.07 | 29.97 | 29.85 | 20 | 12 | 1 | 25 | 9 | 28 | 0.40 | Fog , Rain , Thunderstorm |
| 31 | 69 | 64 | 59 | 59 | 57 | 54 | 96 | 83 | 61 | 30.01 | 29.88 | 29.79 | 20 | 11 | 4 | 14 | 6 | - | 0.20 | Fog , Rain , Thunderstorm |
| **1986** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Jun** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 77 | 66 | 54 | 59 | 54 | 50 | 93 | 70 | 45 | 29.92 | 29.80 | 29.75 | 20 | 13 | 10 | 14 | 6 | - | 0.10 | Rain , Thunderstorm |
| 2 | 77 | 68 | 60 | 59 | 57 | 53 | 90 | 73 | 43 | 30.05 | 29.87 | 29.81 | 20 | 11 | 7 | 13 | 7 | - | 0.00 | |
| 3 | 79 | 70 | 60 | 60 | 58 | 50 | 96 | 72 | 36 | 30.06 | 29.88 | 29.76 | 10 | 5 | 0 | 10 | 6 | - | 0.00 | Fog |
| 4 | 89 | 76 | 63 | 62 | 57 | 51 | 90 | 59 | 30 | 29.83 | 29.73 | 29.64 | 20 | 12 | 10 | 14 | 7 | - | 0.01 | Rain , Thunderstorm |
| 5 | 87 | 74 | 61 | 62 | 57 | 52 | 90 | 58 | 31 | 29.82 | 29.75 | 29.67 | 10 | 9 | 7 | 12 | 6 | - | 0.00 | |
| 6 | 95 | 80 | 64 | 58 | 51 | 44 | 75 | 40 | 17 | 29.76 | 29.69 | 29.62 | 10 | 10 | 7 | 12 | 7 | - | 0.00 | |
| 7 | 98 | 82 | 66 | 57 | 50 | 42 | 61 | 37 | 15 | 29.88 | 29.67 | 29.62 | 20 | 10 | 7 | 16 | 9 | - | 0.00 | |
| 8 | 86 | 76 | 64 | 63 | 59 | 51 | 78 | 59 | 40 | 29.93 | 29.75 | 29.60 | 15 | 10 | 7 | 23 | 11 | 34 | 0.20 | Rain , Thunderstorm |
| 9 | 90 | 76 | 61 | 62 | 51 | 27 | 93 | 56 | 11 | 29.90 | 29.71 | 29.58 | 15 | 9 | 7 | 14 | 10 | 23 | 0.00 | Rain , Thunderstorm |
| 10 | 89 | 74 | 59 | 46 | 37 | 29 | 51 | 27 | 12 | 29.89 | 29.80 | 29.68 | 10 | 10 | 10 | 9 | 7 | - | 0.00 | |
| 11 | 82 | 70 | 57 | 52 | 46 | 43 | 62 | 41 | 25 | 30.09 | 30.03 | 29.95 | 10 | 10 | 10 | 17 | 10 | - | 0.00 | |
| 12 | 91 | 76 | 60 | 56 | 48 | 35 | 72 | 41 | 14 | 30.01 | 29.95 | 29.86 | 15 | 10 | 10 | 13 | 6 | - | 0.00 | |
| 13 | 91 | 76 | 62 | 59 | 48 | 39 | 72 | 39 | 17 | 29.99 | 29.92 | 29.85 | 20 | 13 | 10 | 14 | 9 | 20 | 0.00 | |
| 14 | 93 | 80 | 66 | 61 | 49 | 34 | 76 | 38 | 12 | 29.93 | 29.84 | 29.74 | 20 | 12 | 10 | 13 | 9 | - | 0.00 | |
| 15 | 98 | 81 | 64 | 62 | 49 | 40 | 68 | 37 | 17 | 29.82 | 29.74 | 29.66 | 20 | 11 | 10 | 14 | 10 | - | 0.00 | |
| 16 | 100 | 83 | 66 | 58 | 47 | 36 | 68 | 34 | 12 | 30.09 | 29.78 | 29.70 | 10 | 9 | 4 | 17 | 9 | 28 | 0.00 | |
| 17 | 91 | 78 | 66 | 53 | 49 | 42 | 61 | 38 | 19 | 30.01 | 29.94 | 29.88 | 20 | 12 | 7 | 15 | 9 | - | 0.00 | |
| 18 | 91 | 78 | 63 | 63 | 57 | 51 | 87 | 52 | 27 | 30.17 | 29.94 | 29.78 | 20 | 12 | 5 | 17 | 6 | 29 | 0.30 | Rain , Thunderstorm |
| 19 | 87 | 76 | 64 | 66 | 62 | 58 | 90 | 69 | 37 | 29.99 | 29.84 | 29.77 | 20 | 13 | 7 | 18 | 9 | 30 | 0.10 | Rain , Thunderstorm |
| 20 | 88 | 77 | 66 | 64 | 60 | 50 | 87 | 60 | 33 | 29.91 | 29.86 | 29.81 | 20 | 12 | 10 | 18 | 8 | 28 | 0.00 | |
| 21 | 90 | 77 | 64 | 64 | 60 | 53 | 87 | 58 | 28 | 29.98 | 29.89 | 29.81 | 20 | 14 | 10 | 14 | 7 | - | 0.00 | |
| 22 | 89 | 78 | 66 | 65 | 63 | 58 | 93 | 69 | 35 | 30.10 | 29.94 | 29.86 | 20 | 14 | 10 | 17 | 9 | - | 0.00 | Rain , Thunderstorm |
| 23 | 69 | 66 | 63 | 65 | 62 | 58 | 96 | 88 | 70 | 30.20 | 30.06 | 29.99 | 10 | 8 | 1 | 14 | 7 | - | 0.70 | Fog , Rain |
| 24 | 73 | 68 | 63 | 66 | 63 | 61 | 97 | 90 | 71 | 30.20 | 30.04 | 29.96 | 15 | 6 | 0 | 17 | 8 | - | 1.60 | Fog , Rain , Thunderstorm |

Comma Delimited File

| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 78 | 71 | 64 | 66 | 64 | 63 | 97 | 86 | 62 | 30.11 | 29.97 | 29.88 | 20 | 8 | 0 | 16 | 8 | - | 1.80 | Fog , Rain , Thunderstorm |
| 26 | 81 | 72 | 64 | 65 | 63 | 60 | 96 | 76 | 54 | 30.09 | 29.94 | 29.88 | 20 | 11 | 5 | 15 | 7 | - | 0.04 | Fog , Rain |
| 27 | 87 | 76 | 64 | 69 | 64 | 59 | 93 | 69 | 39 | 30.04 | 29.98 | 29.94 | 10 | 9 | 7 | 12 | 4 | - | 0.00 | |
| 28 | 91 | 78 | 66 | 68 | 63 | 55 | 93 | 62 | 29 | 29.98 | 29.90 | 29.80 | 20 | 11 | 7 | 9 | 6 | - | 0.00 | |
| 29 | 93 | 80 | 68 | 69 | 65 | 62 | 90 | 63 | 37 | 30.03 | 29.80 | 29.71 | 15 | 11 | 10 | 10 | 5 | - | 0.00 | |
| 30 | 95 | 83 | 71 | 69 | 65 | 60 | 87 | 61 | 34 | 29.92 | 29.73 | 29.66 | 20 | 14 | 10 | 12 | 6 | - | 0.00 | |
| **1986** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Jul** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 91 | 78 | 66 | 67 | 64 | 60 | 97 | 66 | 38 | 30.14 | 29.87 | 29.70 | 20 | 10 | 5 | 23 | 11 | 22 | 0.50 | Fog , Rain , Thunderstorm |
| 2 | 77 | 72 | 66 | 66 | 64 | 61 | 96 | 80 | 58 | 30.14 | 30.02 | 29.97 | 20 | 10 | 5 | 12 | 6 | - | 0.30 | Fog , Rain , Thunderstorm |
| 3 | 82 | 75 | 68 | 68 | 66 | 64 | 96 | 79 | 58 | 30.16 | 29.97 | 29.83 | 20 | 10 | 5 | 12 | 5 | - | 0.02 | Fog , Rain , Thunderstorm |
| 4 | 91 | 80 | 68 | 67 | 63 | 59 | 96 | 62 | 33 | 29.83 | 29.73 | 29.60 | 15 | 10 | 7 | 21 | 10 | 28 | 0.00 | |
| 5 | 91 | 80 | 70 | 66 | 63 | 58 | 81 | 57 | 32 | 29.98 | 29.75 | 29.68 | 20 | 12 | 7 | 17 | 6 | - | 0.00 | |
| 6 | 89 | 78 | 66 | 65 | 62 | 59 | 87 | 59 | 39 | 30.00 | 29.93 | 29.82 | 20 | 13 | 10 | 13 | 9 | - | 0.00 | |
| 7 | 89 | 79 | 69 | 66 | 62 | 55 | 84 | 60 | 32 | 30.06 | 30.00 | 29.94 | 20 | 14 | 10 | 14 | 8 | - | 0.00 | |
| 8 | 90 | 78 | 66 | 63 | 59 | 52 | 81 | 55 | 28 | 30.06 | 29.99 | 29.91 | 20 | 11 | 7 | 12 | 7 | - | 0.00 | |
| 9 | 87 | 76 | 66 | 61 | 59 | 53 | 76 | 57 | 36 | 30.10 | 29.94 | 29.85 | 20 | 14 | 7 | 17 | 7 | 28 | 0.08 | Rain , Thunderstorm |
| 10 | 91 | 80 | 68 | 64 | 60 | 55 | 87 | 56 | 29 | 29.93 | 29.80 | 29.71 | 20 | 10 | 7 | 13 | 7 | - | 0.10 | Rain , Thunderstorm |
| 11 | 95 | 80 | 66 | 63 | 58 | 49 | 84 | 50 | 21 | 29.76 | 29.71 | 29.64 | 10 | 9 | 7 | 14 | 6 | - | 0.00 | |
| 12 | 98 | 82 | 66 | 64 | 58 | 49 | 81 | 47 | 19 | 29.76 | 29.71 | 29.68 | 10 | 8 | 7 | 13 | 8 | - | 0.00 | |
| 13 | 91 | 78 | 66 | 64 | 60 | 54 | 87 | 54 | 27 | 29.95 | 29.84 | 29.77 | 10 | 9 | 7 | 17 | 11 | - | 0.00 | |
| 14 | 84 | 76 | 68 | 63 | 61 | 57 | 81 | 61 | 38 | 30.22 | 30.00 | 29.91 | 20 | 11 | 7 | 15 | 10 | - | 0.00 | |
| 15 | 88 | 76 | 64 | 60 | 58 | 54 | 73 | 53 | 37 | 30.00 | 29.94 | 29.86 | 20 | 12 | 7 | 17 | 11 | - | 0.00 | |
| 16 | 91 | 78 | 66 | 61 | 57 | 52 | 73 | 49 | 27 | 30.06 | 29.87 | 29.78 | 20 | 11 | 10 | 17 | 11 | 25 | 0.00 | |
| 17 | 90 | 77 | 64 | 59 | 57 | 53 | 78 | 49 | 29 | 30.16 | 29.94 | 29.87 | 15 | 12 | 10 | 18 | 7 | 21 | 0.00 | Rain , Thunderstorm |
| 18 | 91 | 78 | 64 | 60 | 57 | 52 | 81 | 50 | 27 | 30.21 | 29.99 | 29.94 | 15 | 10 | 7 | 14 | 8 | - | 0.00 | |
| 19 | 93 | 78 | 63 | 59 | 54 | 43 | 81 | 47 | 18 | 30.08 | 30.02 | 29.94 | 20 | 11 | 7 | 12 | 6 | - | 0.00 | |
| 20 | 91 | 78 | 64 | 58 | 55 | 51 | 78 | 46 | 26 | 30.09 | 30.00 | 29.88 | 20 | 11 | 10 | 14 | 8 | - | 0.00 | |
| 21 | 84 | 75 | 66 | 62 | 58 | 53 | 76 | 58 | 41 | 30.24 | 30.02 | 29.90 | 20 | 15 | 10 | 14 | 7 | - | 0.02 | Rain |
| 22 | 86 | 76 | 66 | 59 | 57 | 54 | 76 | 53 | 35 | 30.17 | 30.03 | 29.98 | 10 | 8 | 7 | 14 | 8 | - | 0.00 | |
| 23 | 90 | 77 | 64 | 64 | 58 | 51 | 93 | 54 | 28 | 30.21 | 30.02 | 29.92 | 20 | 10 | 7 | 16 | 7 | - | 0.10 | Rain , Thunderstorm |
| 24 | 93 | 78 | 64 | 57 | 54 | 49 | 68 | 43 | 22 | 30.03 | 29.96 | 29.89 | 10 | 10 | 10 | 12 | 7 | - | 0.00 | |
| 25 | 98 | 81 | 64 | 59 | 54 | 49 | 78 | 44 | 19 | 29.96 | 29.90 | 29.83 | 15 | 10 | 10 | 18 | 5 | 28 | 0.00 | |
| 26 | 99 | 82 | 66 | 59 | 51 | 42 | 68 | 38 | 14 | 29.93 | 29.84 | 29.77 | 15 | 12 | 7 | 12 | 6 | - | 0.00 | |
| 27 | 100 | 84 | 69 | 54 | 50 | 42 | 58 | 32 | 14 | 29.86 | 29.80 | 29.76 | 20 | 13 | 7 | 9 | 7 | - | 0.00 | |

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| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 99 | 82 | 66 | 53 | 51 | 47 | 61 | 34 | 17 | 30.13 | 29.87 | 29.81 | 10 | 10 | 10 | 10 | 7 | - | 0.00 | |
| 29 | 99 | 82 | 66 | 51 | 47 | 42 | 56 | 31 | 15 | 29.95 | 29.88 | 29.82 | 20 | 11 | 10 | 12 | 7 | - | 0.00 | |
| 30 | 99 | 82 | 66 | 52 | 47 | 38 | 52 | 30 | 13 | 29.90 | 29.85 | 29.78 | 20 | 10 | 7 | 10 | 7 | - | 0.00 | |
| 31 | 97 | 82 | 66 | 54 | 47 | 36 | 56 | 32 | 12 | 29.93 | 29.88 | 29.83 | 15 | 10 | 10 | 14 | 7 | - | 0.00 | |
| **1986** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Aug** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 98 | 83 | 68 | 51 | 46 | 42 | 47 | 29 | 15 | 29.99 | 29.91 | 29.83 | 20 | 11 | 10 | 13 | 3 | - | 0.00 | |
| 2 | 97 | 84 | 71 | 57 | 51 | 40 | 49 | 33 | 21 | 30.25 | 29.94 | 29.85 | 15 | 12 | 7 | 25 | 9 | 32 | 0.00 | Rain , Thunderstorm |
| 3 | 88 | 76 | 64 | 64 | 60 | 55 | 90 | 60 | 32 | 30.30 | 30.07 | 29.94 | 20 | 10 | 7 | 17 | 11 | - | 0.10 | Rain , Thunderstorm |
| 4 | 90 | 77 | 64 | 64 | 61 | 57 | 93 | 63 | 33 | 30.27 | 30.01 | 29.85 | 20 | 11 | 7 | 26 | 9 | 34 | 0.10 | Rain , Thunderstorm |
| 5 | 93 | 80 | 66 | 64 | 59 | 48 | 87 | 56 | 21 | 30.20 | 29.89 | 29.78 | 10 | 10 | 5 | 9 | 7 | - | 0.00 | Fog , Rain , Thunderstorm |
| 6 | 95 | 82 | 69 | 61 | 57 | 53 | 73 | 45 | 26 | 29.85 | 29.81 | 29.75 | 20 | 11 | 7 | 13 | 6 | - | 0.04 | |
| 7 | 93 | 81 | 69 | 63 | 58 | 55 | 71 | 47 | 27 | 29.86 | 29.82 | 29.79 | 10 | 9 | 7 | 14 | 7 | - | 0.00 | |
| 8 | 90 | 79 | 68 | 61 | 59 | 56 | 76 | 55 | 34 | 30.10 | 29.86 | 29.79 | 20 | 11 | 7 | 17 | 7 | - | 0.00 | |
| 9 | 91 | 78 | 66 | 61 | 59 | 53 | 81 | 53 | 33 | 30.00 | 29.81 | 29.73 | 15 | 12 | 7 | 18 | 5 | - | 0.00 | |
| 10 | 89 | 78 | 66 | 61 | 58 | 54 | 81 | 55 | 31 | 30.00 | 29.93 | 29.83 | 20 | 13 | 7 | 10 | 7 | - | 0.00 | |
| 11 | 89 | 76 | 64 | 63 | 61 | 58 | 84 | 59 | 35 | 30.24 | 29.99 | 29.90 | 20 | 14 | 10 | 10 | 5 | - | 0.00 | |
| 12 | 91 | 78 | 66 | 64 | 60 | 57 | 81 | 54 | 31 | 29.99 | 29.90 | 29.79 | 20 | 12 | 10 | 12 | 7 | - | 0.00 | |
| 13 | 91 | 81 | 71 | 66 | 62 | 59 | 73 | 54 | 33 | 29.92 | 29.78 | 29.67 | 20 | 12 | 7 | 16 | 10 | 23 | 0.01 | Rain , Thunderstorm |
| 14 | 91 | 80 | 70 | 65 | 61 | 55 | 81 | 54 | 30 | 29.78 | 29.71 | 29.65 | 20 | 11 | 10 | 10 | 6 | - | 0.10 | |
| 15 | 91 | 81 | 71 | 66 | 62 | 57 | 84 | 56 | 32 | 30.01 | 29.78 | 29.67 | 20 | 12 | 10 | 17 | 7 | - | 0.00 | Rain , Thunderstorm |
| 16 | 96 | 81 | 66 | 66 | 61 | 49 | 90 | 56 | 21 | 29.85 | 29.79 | 29.73 | 10 | 9 | 7 | 13 | 5 | - | 0.00 | |
| 17 | 97 | 84 | 70 | 61 | 55 | 48 | 68 | 41 | 19 | 29.94 | 29.88 | 29.81 | 20 | 10 | 7 | 14 | 6 | - | 0.00 | |
| 18 | 97 | 82 | 66 | 57 | 52 | 49 | 59 | 37 | 20 | 30.06 | 29.99 | 29.92 | 20 | 14 | 7 | 12 | 5 | - | 0.00 | |
| 19 | 98 | 82 | 66 | 56 | 50 | 43 | 61 | 35 | 16 | 30.08 | 29.97 | 29.90 | 15 | 11 | 10 | 13 | 6 | - | 0.00 | |
| 20 | 102 | 84 | 66 | 51 | 44 | 34 | 49 | 27 | 10 | 29.97 | 29.90 | 29.82 | 20 | 12 | 10 | 8 | 6 | - | 0.00 | |
| 21 | 91 | 82 | 73 | 62 | 58 | 39 | 62 | 45 | 20 | 30.32 | 30.00 | 29.88 | 20 | 14 | 7 | 14 | 9 | - | 0.00 | |
| 22 | 88 | 77 | 66 | 67 | 63 | 60 | 90 | 66 | 39 | 30.21 | 29.96 | 29.85 | 20 | 10 | 7 | 21 | 9 | 32 | 0.50 | Rain , Thunderstorm |
| 23 | 81 | 74 | 66 | 66 | 61 | 55 | 93 | 69 | 41 | 30.02 | 29.97 | 29.91 | 10 | 8 | 3 | 22 | 8 | - | 0.10 | Rain |
| 24 | 84 | 74 | 64 | 64 | 61 | 55 | 96 | 71 | 37 | 30.00 | 29.93 | 29.86 | 10 | 6 | 2 | 18 | 5 | - | 0.00 | Fog |
| 25 | 84 | 72 | 61 | 63 | 59 | 54 | 97 | 68 | 37 | 30.13 | 29.95 | 29.84 | 20 | 9 | 3 | 14 | 7 | - | 0.00 | Fog |
| 26 | 88 | 76 | 64 | 66 | 62 | 57 | 93 | 70 | 35 | 30.18 | 29.95 | 29.83 | 20 | 9 | 1 | 17 | 9 | - | 0.90 | Fog , Rain , Thunderstorm |
| 27 | 79 | 72 | 66 | 66 | 64 | 61 | 93 | 79 | 54 | 30.24 | 30.06 | 29.98 | 20 | 8 | 2 | 16 | 10 | - | 0.40 | Fog , Rain |
| 28 | 68 | 66 | 63 | 64 | 61 | 59 | 97 | 89 | 81 | 30.25 | 30.13 | 30.08 | 10 | 5 | 2 | 14 | 9 | - | 0.20 | Fog , Rain |
| 29 | 78 | 71 | 64 | 65 | 63 | 61 | 96 | 82 | 60 | 30.22 | 30.02 | 29.87 | 15 | 7 | 3 | 14 | 8 | - | 0.03 | Fog |

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| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 84 | 74 | 64 | 66 | 64 | 62 | 97 | 75 | 51 | 30.10 | 29.91 | 29.79 | 20 | 10 | 2 | 17 | 11 | - | 0.10 | Fog , Rain , Thunderstorm |
| 31 | 88 | 77 | 64 | 66 | 63 | 53 | 100 | 70 | 38 | 30.04 | 29.86 | 29.74 | 20 | 10 | 1 | 16 | 11 | 23 | 0.10 | Fog , Rain , Thunderstorm |
| **1986** | **Temp. (°F)** | | | **Dew Point (°F)** | | | **Humidity (%)** | | | **Sea Level Press. (in)** | | | **Visibility (mi)** | | | **Wind (mph)** | | | **Precip. (in)** | **Events** |
| **Sep** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 84 | 74 | 63 | 65 | 62 | 58 | 97 | 71 | 46 | 30.06 | 29.88 | 29.76 | 20 | 11 | 7 | 20 | 7 | - | 0.60 | Rain , Thunderstorm |
| 2 | 81 | 70 | 60 | 65 | 62 | 57 | 97 | 78 | 55 | 30.07 | 29.89 | 29.78 | 20 | 9 | 3 | 15 | 9 | - | 1.60 | Fog , Rain , Thunderstorm |
| 3 | 80 | 72 | 63 | 65 | 62 | 59 | 93 | 75 | 54 | 29.95 | 29.89 | 29.85 | 20 | 9 | 7 | 12 | 8 | - | 0.00 | |
| 4 | 86 | 74 | 62 | 63 | 59 | 54 | 97 | 70 | 38 | 30.18 | 29.99 | 29.86 | 20 | 8 | 0 | 28 | 6 | 41 | 1.00 | Fog , Rain , Thunderstorm |
| 5 | 82 | 70 | 57 | 63 | 58 | 55 | 97 | 71 | 42 | 30.09 | 29.97 | 29.88 | 15 | 11 | 0 | 9 | 6 | - | 0.00 | Fog |
| 6 | 84 | 73 | 62 | 64 | 61 | 57 | 90 | 71 | 41 | 30.16 | 30.00 | 29.90 | 20 | 11 | 0 | 8 | 5 | - | 0.00 | Fog , Rain , Thunderstorm |
| 7 | 79 | 70 | 62 | 61 | 59 | 47 | 93 | 74 | 34 | 30.32 | 30.14 | 30.04 | 20 | 11 | 4 | 15 | 9 | - | 0.02 | Fog , Rain |
| 8 | 77 | 69 | 61 | 60 | 59 | 56 | 93 | 76 | 52 | 30.25 | 30.05 | 29.90 | 20 | 7 | 3 | 16 | 11 | - | 0.00 | Fog |
| 9 | 86 | 74 | 63 | 64 | 62 | 57 | 93 | 72 | 40 | 30.08 | 29.87 | 29.69 | 20 | 7 | 2 | 17 | 11 | - | 0.00 | Fog , Rain , Thunderstorm |
| 10 | 88 | 78 | 69 | 64 | 55 | 47 | 78 | 51 | 25 | 29.79 | 29.71 | 29.64 | 20 | 10 | 7 | 16 | 10 | 21 | 0.00 | |
| 11 | 81 | 70 | 59 | 49 | 44 | 38 | 60 | 40 | 22 | 30.06 | 29.96 | 29.80 | 15 | 10 | 7 | 12 | 8 | - | 0.00 | |
| 12 | 84 | 69 | 54 | 65 | 51 | 47 | 81 | 55 | 31 | 30.07 | 30.00 | 29.92 | 15 | 11 | 10 | 17 | 8 | 23 | 0.00 | |
| 13 | 81 | 71 | 61 | 64 | 59 | 53 | 87 | 73 | 56 | 30.19 | 30.02 | 29.95 | 20 | 11 | 10 | 18 | 6 | 30 | 0.04 | Rain , Thunderstorm |
| 14 | 82 | 72 | 63 | 64 | 62 | 60 | 97 | 75 | 49 | 30.04 | 29.97 | 29.88 | 15 | 9 | 7 | 12 | 6 | - | 0.00 | |
| 15 | 87 | 73 | 59 | 64 | 60 | 51 | 97 | 70 | 29 | 30.12 | 29.96 | 29.86 | 20 | 10 | 3 | 13 | 5 | - | 0.00 | Fog |
| 16 | 84 | 74 | 63 | 63 | 60 | 53 | 93 | 68 | 43 | 30.04 | 29.93 | 29.85 | 15 | 11 | 7 | 14 | 10 | - | 0.00 | Rain , Thunderstorm |
| 17 | 91 | 75 | 59 | 60 | 54 | 45 | 93 | 57 | 22 | 30.08 | 29.88 | 29.77 | 20 | 11 | 7 | 10 | 6 | - | 0.00 | |
| 18 | 91 | 76 | 61 | 62 | 54 | 45 | 84 | 51 | 20 | 29.95 | 29.83 | 29.74 | 20 | 12 | 10 | 21 | 9 | 25 | 0.00 | Rain , Thunderstorm |
| 19 | 93 | 78 | 64 | 65 | 59 | 50 | 97 | 60 | 23 | 30.07 | 29.86 | 29.78 | 15 | 7 | 1 | 16 | 12 | 23 | 0.00 | Fog |
| 20 | 90 | 76 | 63 | 62 | 59 | 54 | 90 | 61 | 30 | 29.95 | 29.88 | 29.82 | 15 | 10 | 10 | 17 | 10 | - | 0.00 | |
| 21 | 89 | 76 | 63 | 64 | 61 | 54 | 93 | 66 | 30 | 30.14 | 29.93 | 29.82 | 20 | 10 | 3 | 14 | 8 | - | 0.00 | Fog |
| 22 | 84 | 74 | 64 | 66 | 64 | 60 | 93 | 74 | 47 | 30.08 | 29.89 | 29.80 | 20 | 10 | 5 | 10 | 8 | - | 0.10 | Fog , Rain , Thunderstorm |
| 23 | 82 | 72 | 62 | 66 | 63 | 58 | 93 | 81 | 49 | 29.98 | 29.80 | 29.70 | 20 | 9 | 4 | 41 | 8 | - | 0.30 | Fog , Rain , Thunderstorm |
| 24 | 79 | 67 | 55 | 59 | 45 | 20 | 96 | 57 | 11 | 29.74 | 29.66 | 29.60 | 20 | 10 | 6 | 28 | 11 | 38 | 0.00 | Fog , Rain |
| 25 | 82 | 67 | 52 | 49 | 39 | 27 | 67 | 42 | 14 | 29.82 | 29.77 | 29.71 | 20 | 12 | 10 | 18 | 9 | 25 | 0.00 | |
| 26 | 84 | 69 | 54 | 48 | 41 | 35 | 72 | 43 | 18 | 29.91 | 29.84 | 29.77 | 20 | 11 | 7 | 12 | 7 | - | 0.00 | |
| 27 | 86 | 68 | 50 | 49 | 44 | 39 | 80 | 47 | 20 | 30.05 | 29.89 | 29.80 | 15 | 10 | 10 | 14 | 7 | 23 | 0.00 | |
| 28 | 84 | 70 | 57 | 62 | 53 | 44 | 93 | 61 | 25 | 30.02 | 29.81 | 29.68 | 15 | 11 | 10 | 23 | 8 | - | 0.00 | |
| 29 | 84 | 72 | 60 | 65 | 51 | 33 | 97 | 56 | 18 | 29.99 | 29.79 | 29.66 | 10 | 4 | 1 | 18 | 9 | 25 | 0.10 | Fog , Rain , Thunderstorm |

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| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 81 | 64 | 48 | 49 | 41 | 34 | 68 | 43 | 21 | 29.91 | 29.81 | 29.71 | 10 | 9 | 7 | 12 | 7 | - | 0.00 | |
| **1986** | **Temp. (°F)** | | | **Dew Point (°F)** | | | **Humidity (%)** | | | **Sea Level Press. (in)** | | | **Visibility (mi)** | | | **Wind (mph)** | | | **Precip. (in)** | **Events** |
| **Oct** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 87 | 68 | 48 | 40 | 36 | 25 | 71 | 37 | 10 | 29.83 | 29.75 | 29.64 | 20 | 11 | 7 | 18 | 7 | 24 | 0.00 | |
| 2 | 72 | 68 | 63 | 66 | 61 | 45 | 93 | 84 | 45 | 29.79 | 29.64 | 29.57 | 20 | 14 | 10 | 9 | 7 | - | 0.07 | Rain |
| 3 | 82 | 70 | 57 | 60 | 50 | 43 | 97 | 61 | 25 | 29.88 | 29.74 | 29.64 | 20 | 11 | 7 | 21 | 6 | 29 | 0.00 | |
| 4 | 75 | 64 | 53 | 52 | 42 | 37 | 75 | 48 | 28 | 30.08 | 30.00 | 29.89 | 20 | 12 | 10 | 12 | 8 | - | 0.00 | |
| 5 | 62 | 58 | 55 | 58 | 56 | 51 | 97 | 91 | 75 | 30.28 | 30.10 | 29.96 | 10 | 4 | 1 | 12 | 7 | - | 0.10 | Fog , Rain |
| 6 | 60 | 56 | 51 | 54 | 52 | 50 | 97 | 87 | 72 | 30.34 | 30.22 | 30.16 | 20 | 6 | 1 | 53 | 8 | - | 0.10 | Fog , Rain |
| 7 | 73 | 62 | 50 | 55 | 52 | 50 | 100 | 75 | 46 | 30.21 | 30.07 | 29.92 | 15 | 6 | 0 | 12 | 5 | - | 0.00 | Fog |
| 8 | 82 | 64 | 46 | 54 | 49 | 41 | 100 | 68 | 26 | 30.11 | 29.96 | 29.86 | 10 | 5 | 0 | 8 | 5 | - | 0.00 | Fog |
| 9 | 73 | 63 | 53 | 56 | 51 | 46 | 93 | 67 | 45 | 30.26 | 30.09 | 29.93 | 20 | 11 | 3 | 16 | 8 | - | 0.20 | Fog , Rain , Thunderstorm |
| 10 | 68 | 62 | 57 | 61 | 58 | 53 | 97 | 89 | 70 | 30.18 | 29.92 | 29.72 | 15 | 6 | 0 | 23 | 9 | 34 | 2.90 | Fog , Rain , Thunderstorm |
| 11 | 64 | 54 | 44 | 53 | 45 | 33 | 100 | 78 | 60 | 30.10 | 29.86 | 29.70 | 20 | 6 | 0 | 17 | 8 | 25 | 0.00 | Fog , Rain , Thunderstorm |
| 12 | 43 | 40 | 37 | 33 | 31 | 29 | 76 | 72 | 65 | 30.26 | 30.19 | 30.13 | 10 | 7 | 3 | 12 | 9 | - | 0.00 | Fog |
| 13 | 66 | 52 | 37 | 37 | 34 | 26 | 89 | 59 | 22 | 30.22 | 30.11 | 29.98 | 10 | 8 | 7 | 14 | 7 | - | 0.00 | |
| 14 | 72 | 54 | 36 | 40 | 35 | 29 | 86 | 56 | 20 | 30.18 | 30.11 | 30.05 | 15 | 10 | 10 | 9 | 4 | - | 0.00 | |
| 15 | 71 | 55 | 39 | 43 | 38 | 36 | 89 | 59 | 29 | 30.30 | 30.22 | 30.14 | 15 | 9 | 7 | 12 | 5 | - | 0.00 | |
| 16 | 68 | 56 | 45 | 46 | 41 | 37 | 83 | 61 | 32 | 30.28 | 30.19 | 30.11 | 20 | 10 | 7 | 9 | 3 | - | 0.00 | |
| 17 | 75 | 60 | 44 | 52 | 46 | 41 | 90 | 68 | 34 | 30.11 | 30.04 | 29.93 | 20 | 12 | 10 | 12 | 6 | - | 0.18 | Rain , Thunderstorm |
| 18 | 79 | 62 | 46 | 54 | 49 | 45 | 100 | 73 | 30 | 30.16 | 30.02 | 29.91 | 15 | 8 | 0 | 16 | 7 | - | 0.00 | Fog |
| 19 | 63 | 60 | 57 | 56 | 54 | 52 | 96 | 82 | 67 | 30.23 | 30.10 | 30.01 | 15 | 6 | 1 | 14 | 9 | - | 0.00 | Fog , Rain , Thunderstorm |
| 20 | 61 | 58 | 55 | 57 | 55 | 53 | 97 | 90 | 81 | 30.20 | 30.08 | 30.00 | 10 | 6 | 1 | 15 | 11 | - | 0.07 | Fog , Rain |
| 21 | 77 | 66 | 53 | 57 | 53 | 37 | 100 | 77 | 24 | 30.08 | 29.94 | 29.75 | 20 | 6 | 0 | 15 | 10 | 23 | 0.87 | Fog , Rain , Thunderstorm |
| 22 | 69 | 56 | 44 | 49 | 42 | 34 | 90 | 63 | 29 | 30.01 | 29.91 | 29.85 | 15 | 8 | 1 | 8 | 6 | - | 0.00 | Fog |
| 23 | 66 | 56 | 46 | 53 | 47 | 40 | 86 | 71 | 54 | 30.22 | 30.03 | 29.90 | 20 | 10 | 7 | 13 | 7 | - | 0.00 | Rain , Thunderstorm |
| 24 | 68 | 60 | 51 | 52 | 50 | 48 | 93 | 77 | 50 | 30.24 | 30.09 | 29.99 | 20 | 12 | 7 | 8 | 6 | - | 0.00 | |
| 25 | 69 | 58 | 46 | 50 | 46 | 43 | 97 | 71 | 40 | 30.15 | 30.05 | 29.99 | 20 | 13 | 6 | 9 | 6 | - | 0.00 | Fog |
| 26 | 71 | 58 | 45 | 45 | 42 | 37 | 93 | 65 | 31 | 30.17 | 30.10 | 30.05 | 15 | 9 | 7 | 8 | 6 | - | 0.00 | |
| 27 | 75 | 60 | 44 | 43 | 38 | 30 | 85 | 55 | 19 | 30.17 | 30.08 | 30.00 | 10 | 10 | 10 | 9 | 6 | - | 0.00 | |
| 28 | 82 | 60 | 39 | 41 | 35 | 25 | 86 | 50 | 12 | 30.18 | 30.08 | 29.99 | 10 | 10 | 10 | 14 | 5 | - | 0.00 | |
| 29 | 64 | 55 | 46 | 48 | 44 | 39 | 83 | 65 | 48 | 30.32 | 30.24 | 30.18 | 15 | 11 | 7 | 9 | 7 | - | 0.00 | |
| 30 | 75 | 59 | 43 | 47 | 44 | 40 | 93 | 65 | 32 | 30.18 | 30.05 | 29.91 | 15 | 12 | 7 | 13 | 6 | - | 0.00 | |
| 31 | 79 | 64 | 48 | 50 | 46 | 39 | 100 | 64 | 24 | 30.07 | 29.93 | 29.82 | 20 | 8 | 0 | 14 | 8 | - | 0.00 | Fog |
| **1986** | **Temp. (°F)** | | | **Dew Point (°F)** | | | **Humidity (%)** | | | **Sea Level Press. (in)** | | | **Visibility (mi)** | | | **Wind (mph)** | | | **Precip. (in)** | **Events** |
| **Nov** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |

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| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 68 | 56 | 42 | 62 | 49 | 37 | 97 | 77 | 55 | 30.33 | 30.12 | 29.96 | 15 | 8 | 4 | 17 | 7 | 23 | 0.00 | Fog |
| 2 | 41 | 39 | 37 | 40 | 38 | 36 | 100 | 95 | 89 | 30.44 | 30.35 | 30.25 | 10 | 3 | 1 | 17 | 13 | - | 0.51 | Fog , Rain |
| 3 | 46 | 42 | 39 | 46 | 42 | 39 | 100 | 95 | 89 | 30.25 | 30.06 | 29.93 | 15 | 5 | 1 | 14 | 8 | - | 0.98 | Fog , Rain , Thunderstorm |
| 4 | 50 | 44 | 36 | 41 | 37 | 33 | 93 | 81 | 61 | 30.15 | 30.10 | 30.06 | 15 | 8 | 5 | 21 | 12 | - | 0.14 | Fog , Rain |
| 5 | 62 | 46 | 30 | 40 | 35 | 30 | 96 | 72 | 41 | 30.19 | 30.09 | 29.97 | 15 | 8 | 1 | 7 | 4 | - | 0.00 | Fog |
| 6 | 72 | 54 | 35 | 43 | 36 | 30 | 93 | 64 | 21 | 29.96 | 29.79 | 29.65 | 10 | 10 | 7 | 14 | 6 | - | 0.10 | |
| 7 | 62 | 52 | 41 | 40 | 32 | 21 | 74 | 48 | 21 | 29.95 | 29.77 | 29.63 | 20 | 12 | 10 | 25 | 13 | 38 | 0.00 | |
| 8 | 64 | 49 | 34 | 31 | 27 | 22 | 73 | 50 | 21 | 30.20 | 30.05 | 29.96 | 20 | 11 | 10 | 12 | 6 | - | 0.00 | |
| 9 | 55 | 44 | 32 | 30 | 24 | 14 | 75 | 51 | 19 | 30.40 | 30.26 | 30.15 | 20 | 13 | 10 | 12 | 6 | - | 0.00 | |
| 10 | 60 | 45 | 28 | 39 | 32 | 19 | 89 | 67 | 46 | 30.40 | 30.13 | 30.01 | 20 | 11 | 10 | 14 | 6 | - | 0.00 | |
| 11 | 50 | 38 | 26 | 34 | 26 | 17 | 92 | 67 | 50 | 30.41 | 30.29 | 30.14 | 10 | 10 | 10 | 12 | 8 | - | 0.00 | |
| 12 | 41 | 34 | 26 | 33 | 25 | 18 | 96 | 77 | 57 | 30.71 | 30.39 | 30.09 | 10 | 8 | 0 | 23 | 8 | 36 | 0.00 | Fog |
| 13 | 28 | 26 | 24 | 24 | 22 | 19 | 91 | 84 | 75 | 30.72 | 30.59 | 30.34 | 10 | 5 | 1 | 12 | 7 | - | 0.13 | Fog , Rain , Snow |
| 14 | 53 | 40 | 27 | 37 | 30 | 24 | 96 | 82 | 55 | 30.37 | 30.22 | 30.09 | 20 | 7 | 0 | 8 | 7 | - | 0.00 | Fog |
| 15 | 59 | 48 | 36 | 44 | 39 | 34 | 93 | 77 | 53 | 30.14 | 30.06 | 29.99 | 20 | 11 | 3 | 7 | 4 | - | 0.00 | Fog |
| 16 | 71 | 55 | 39 | 45 | 40 | 35 | 97 | 66 | 27 | 30.01 | 29.96 | 29.91 | 20 | 12 | 7 | 9 | 4 | - | 0.00 | |
| 17 | 75 | 60 | 45 | 42 | 39 | 33 | 80 | 51 | 22 | 29.94 | 29.86 | 29.78 | 20 | 10 | 7 | 12 | 6 | - | 0.00 | |
| 18 | 63 | 56 | 50 | 43 | 39 | 34 | 74 | 55 | 34 | 30.11 | 29.99 | 29.84 | 10 | 10 | 10 | 14 | 8 | - | 0.00 | |
| 19 | 73 | 58 | 43 | 48 | 41 | 36 | 93 | 60 | 26 | 29.91 | 29.82 | 29.67 | 15 | 11 | 5 | 14 | 9 | - | 0.06 | Fog , Rain |
| 20 | 61 | 50 | 39 | 38 | 33 | 26 | 80 | 54 | 31 | 30.25 | 30.15 | 29.92 | 15 | 12 | 7 | 14 | 8 | 24 | 0.00 | |
| 21 | 66 | 50 | 33 | 42 | 36 | 30 | 89 | 67 | 36 | 30.14 | 29.99 | 29.83 | 20 | 10 | 7 | 12 | 6 | - | 0.00 | |
| 22 | 73 | 54 | 36 | 43 | 35 | 24 | 93 | 58 | 17 | 29.86 | 29.79 | 29.69 | 20 | 11 | 10 | 16 | 7 | - | 0.00 | |
| 23 | 48 | 40 | 30 | 37 | 31 | 25 | 93 | 77 | 57 | 30.33 | 30.17 | 29.83 | 15 | 9 | 2 | 20 | 14 | 23 | 0.10 | Fog , Rain , Snow |
| 24 | 52 | 38 | 25 | 26 | 23 | 18 | 89 | 63 | 28 | 30.33 | 30.20 | 30.04 | 15 | 9 | 7 | 8 | 4 | - | 0.00 | |
| 25 | 61 | 41 | 21 | 34 | 27 | 19 | 91 | 64 | 33 | 30.11 | 29.95 | 29.80 | 20 | 10 | 7 | 16 | 5 | 23 | 0.00 | |
| 26 | 48 | 39 | 30 | 27 | 19 | 14 | 69 | 48 | 27 | 30.28 | 30.21 | 30.12 | 20 | 11 | 7 | 12 | 9 | - | 0.00 | |
| 27 | 61 | 44 | 26 | 31 | 26 | 20 | 82 | 61 | 30 | 30.32 | 30.25 | 30.17 | 15 | 11 | 7 | 8 | 4 | - | 0.00 | |
| 28 | 66 | 46 | 27 | 32 | 26 | 19 | 85 | 56 | 18 | 30.27 | 30.18 | 30.09 | 20 | 11 | 7 | 8 | 5 | - | 0.00 | |
| 29 | 69 | 48 | 28 | 32 | 27 | 21 | 85 | 55 | 17 | 30.15 | 30.00 | 29.82 | 20 | 10 | 7 | 13 | 6 | - | 0.00 | |
| 30 | 62 | 48 | 34 | 28 | 21 | 11 | 79 | 39 | 15 | 29.99 | 29.82 | 29.72 | 20 | 9 | 7 | 23 | 10 | 31 | 0.00 | |
| **1986** | **Temp.** (°F) | | | **Dew Point** (°F) | | | **Humidity** (%) | | | **Sea Level Press.** (in) | | | **Visibility** (mi) | | | **Wind** (mph) | | | **Precip.** (in) | **Events** |
| **Dec** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **low** | **high** | **avg** | **high** | **sum** | |
| 1 | 57 | 42 | 27 | 28 | 22 | 17 | 85 | 53 | 22 | 30.20 | 30.09 | 29.99 | 20 | 10 | 7 | 16 | 5 | - | 0.00 | |
| 2 | 66 | 44 | 23 | 25 | 20 | 16 | 85 | 48 | 16 | 30.17 | 30.10 | 30.04 | 10 | 10 | 10 | 9 | 4 | - | 0.00 | |
| 3 | 55 | 42 | 28 | 28 | 26 | 22 | 81 | 58 | 30 | 30.23 | 30.15 | 30.06 | 20 | 11 | 10 | 9 | 6 | - | 0.00 | |
| 4 | 42 | 34 | 27 | 34 | 29 | 23 | 85 | 77 | 70 | 30.40 | 30.32 | 30.15 | 15 | 10 | 5 | 12 | 6 | - | 0.00 | Fog |
| 5 | 52 | 46 | 39 | 41 | 37 | 34 | 100 | 78 | 59 | 30.37 | 30.23 | 30.10 | 10 | 6 | 0 | 13 | 5 | - | 0.00 | Fog |
| 6 | 52 | 48 | 44 | 48 | 45 | 43 | 100 | 89 | 74 | 30.11 | 29.99 | 29.87 | 15 | 4 | 0 | 20 | 11 | - | 0.00 | Fog , Rain |

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| 1986 | Temp. (°F) | | | Dew Point (°F) | | | Humidity (%) | | | Sea Level Press. (in) | | | Visibility (mi) | | | Wind (mph) | | | Precip. (in) | Events |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 64 | 52 | 39 | 45 | 42 | 38 | 100 | 74 | 41 | 30.04 | 29.89 | 29.80 | 20 | 7 | 0 | 16 | 6 | - | 0.00 | Fog |
| 8 | 57 | 47 | 36 | 40 | 36 | 25 | 96 | 78 | 28 | 29.99 | 29.91 | 29.78 | 20 | 7 | 0 | 13 | 8 | - | 0.10 | Fog , Rain |
| 9 | 37 | 35 | 33 | 35 | 33 | 31 | 96 | 89 | 79 | 30.20 | 30.09 | 29.99 | 10 | 4 | 1 | 13 | 8 | - | 0.00 | Fog |
| 10 | 32 | 28 | 25 | 31 | 24 | 21 | 96 | 87 | 72 | 30.34 | 30.24 | 30.18 | 15 | 4 | 1 | 14 | 9 | - | 0.10 | Fog , Rain , Snow |
| 11 | 41 | 32 | 24 | 27 | 23 | 19 | 96 | 75 | 53 | 30.30 | 30.18 | 30.10 | 10 | 8 | 5 | 9 | 5 | - | 0.00 | Fog |
| 12 | 50 | 36 | 21 | 31 | 23 | 17 | 96 | 67 | 33 | 30.38 | 30.30 | 30.24 | 15 | 8 | 6 | 12 | 3 | - | 0.00 | |
| 13 | 53 | 38 | 24 | 32 | 28 | 21 | 92 | 73 | 41 | 30.31 | 30.23 | 30.14 | 20 | 10 | 7 | 8 | 4 | - | 0.00 | |
| 14 | 57 | 42 | 26 | 35 | 31 | 23 | 96 | 76 | 37 | 30.20 | 30.14 | 30.04 | 20 | 9 | 0 | 8 | 5 | - | 0.00 | Fog |
| 15 | 62 | 44 | 26 | 33 | 29 | 22 | 86 | 66 | 31 | 30.21 | 30.15 | 30.09 | 20 | 12 | 7 | 8 | 4 | - | 0.00 | |
| 16 | 48 | 42 | 35 | 46 | 38 | 31 | 100 | 86 | 68 | 30.21 | 30.13 | 30.08 | 20 | 9 | 3 | 10 | 6 | - | 0.10 | Fog , Rain |
| 17 | 45 | 39 | 33 | 43 | 38 | 32 | 100 | 96 | 89 | 30.25 | 30.14 | 30.04 | 10 | 3 | 0 | 16 | 7 | - | 0.20 | Fog , Rain , Snow |
| 18 | 39 | 36 | 33 | 32 | 31 | 30 | 96 | 86 | 68 | 30.30 | 30.22 | 30.15 | 20 | 9 | 2 | 12 | 8 | - | 0.10 | Fog , Snow |
| 19 | 52 | 38 | 24 | 38 | 29 | 23 | 100 | 82 | 48 | 30.14 | 30.07 | 29.99 | 20 | 7 | 0 | 9 | 4 | - | 0.00 | Fog |
| 20 | 54 | 41 | 28 | 36 | 31 | 25 | 92 | 72 | 43 | 30.15 | 30.08 | 30.02 | 20 | 12 | 7 | 8 | 5 | - | 0.00 | |
| 21 | 43 | 40 | 37 | 38 | 37 | 36 | 97 | 90 | 76 | 30.23 | 30.18 | 30.13 | 10 | 6 | 1 | 14 | 7 | - | 0.20 | Fog , Rain |
| 22 | 37 | 35 | 33 | 35 | 33 | 32 | 96 | 95 | 92 | 30.31 | 30.25 | 30.21 | 10 | 3 | 0 | 12 | 9 | - | 0.40 | Fog , Rain , Snow |
| 23 | 46 | 37 | 28 | 38 | 34 | 28 | 100 | 94 | 73 | 30.20 | 30.05 | 29.93 | 10 | 2 | 0 | 8 | 3 | - | 0.00 | Fog |
| 24 | 48 | 38 | 28 | 35 | 31 | 27 | 100 | 78 | 43 | 30.02 | 29.97 | 29.93 | 10 | 4 | 0 | 16 | 5 | - | 0.00 | Fog |
| 25 | 48 | 39 | 30 | 33 | 31 | 28 | 92 | 71 | 50 | 30.15 | 30.07 | 30.01 | 20 | 11 | 10 | 8 | 5 | - | 0.00 | |
| 26 | 52 | 40 | 27 | 31 | 27 | 24 | 92 | 70 | 35 | 30.26 | 30.18 | 30.11 | 15 | 9 | 7 | 9 | 4 | - | 0.00 | |
| 27 | 51 | 38 | 26 | 31 | 28 | 22 | 89 | 73 | 41 | 30.22 | 30.15 | 30.09 | 20 | 11 | 7 | 12 | 6 | - | 0.00 | |
| 28 | 50 | 40 | 30 | 37 | 32 | 26 | 92 | 80 | 57 | 30.23 | 30.15 | 30.08 | 20 | 12 | 10 | 8 | 4 | - | 0.00 | |
| 29 | 55 | 40 | 26 | 32 | 25 | 21 | 96 | 63 | 27 | 30.37 | 30.29 | 30.22 | 20 | 11 | 6 | 12 | 6 | - | 0.00 | Fog |
| 30 | 57 | 39 | 21 | 26 | 23 | 17 | 84 | 59 | 22 | 30.29 | 30.13 | 30.00 | 15 | 11 | 7 | 12 | 6 | - | 0.00 | |
| 31 | 51 | 38 | 26 | 23 | 19 | 14 | 78 | 52 | 23 | 30.17 | 30.09 | 29.97 | 15 | 10 | 10 | 17 | 6 | - | 0.00 | |

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**United States Department of Agriculture**

Natural Resources Conservation Service

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# Urban Hydrology for Small Watersheds

## TR-55

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# Chapter 2 Estimating Runoff

## SCS runoff curve number method

The SCS Runoff Curve Number (CN) method is described in detail in NEH-4 (SCS 1985). The SCS runoff equation is

$$Q = \frac{(P - I_a)^2}{(P - I_a) + S} \qquad \text{[eq. 2-1]}$$

where

Q = runoff (in)
P = rainfall (in)
S = potential maximum retention after runoff begins (in) and
$I_a$ = initial abstraction (in)

Initial abstraction ($I_a$) is all losses before runoff begins. It includes water retained in surface depressions, water intercepted by vegetation, evaporation, and infiltration. $I_a$ is highly variable but generally is correlated with soil and cover parameters. Through studies of many small agricultural watersheds, $I_a$ was found to be approximated by the following empirical equation:

$$I_a = 0.2S \qquad \text{[eq. 2-2]}$$

By removing $I_a$ as an independent parameter, this approximation allows use of a combination of S and P to produce a unique runoff amount. Substituting equation 2-2 into equation 2-1 gives:

$$Q = \frac{(P - 0.2S)^2}{(P + 0.8S)} \qquad \text{[eq. 2-3]}$$

S is related to the soil and cover conditions of the watershed through the CN. CN has a range of 0 to 100, and S is related to CN by:

$$S = \frac{1000}{CN} - 10 \qquad \text{[eq. 2-4]}$$

Figure 2-1 and table 2-1 solve equations 2-3 and 2-4 for a range of CN's and rainfall.

## Factors considered in determining runoff curve numbers

The major factors that determine CN are the hydrologic soil group (HSG), cover type, treatment, hydrologic condition, and antecedent runoff condition (ARC). Another factor considered is whether impervious areas outlet directly to the drainage system (connected) or whether the flow spreads over pervious areas before entering the drainage system (unconnected). Figure 2-2 is provided to aid in selecting the appropriate figure or table for determining curve numbers.

CN's in table 2-2 (*a* to *d*) represent average antecedent runoff condition for urban, cultivated agricultural, other agricultural, and arid and semiarid rangeland uses. Table 2-2 assumes impervious areas are directly connected. The following sections explain how to determine CN's and how to modify them for urban conditions.

### Hydrologic soil groups

Infiltration rates of soils vary widely and are affected by subsurface permeability as well as surface intake rates. Soils are classified into four HSG's (A, B, C, and D) according to their minimum infiltration rate, which is obtained for bare soil after prolonged wetting. Appendix A defines the four groups and provides a list of most of the soils in the United States and their group classification. The soils in the area of interest may be identified from a soil survey report, which can be obtained from local SCS offices or soil and water conservation district offices.

Most urban areas are only partially covered by impervious surfaces: the soil remains an important factor in runoff estimates. Urbanization has a greater effect on runoff in watersheds with soils having high infiltration rates (sands and gravels) than in watersheds predominantly of silts and clays, which generally have low infiltration rates.

Any disturbance of a soil profile can significantly change its infiltration characteristics. With urbanization, native soil profiles may be mixed or removed or fill material from other areas may be introduced. Therefore, a method based on soil texture is given in appendix A for determining the HSG classification for disturbed soils.

# Chapter 3 Time of Concentration and Travel Time

Travel time ( $T_t$ ) is the time it takes water to travel from one location to another in a watershed. $T_t$ is a component of time of concentration ( $T_c$ ), which is the time for runoff to travel from the hydraulically most distant point of the watershed to a point of interest within the watershed. $T_c$ is computed by summing all the travel times for consecutive components of the drainage conveyance system.

$T_c$ influences the shape and peak of the runoff hydrograph. Urbanization usually decreases $T_c$, thereby increasing the peak discharge. But $T_c$ can be increased as a result of (a) ponding behind small or inadequate drainage systems, including storm drain inlets and road culverts, or (b) reduction of land slope through grading.

## Factors affecting time of concentration and travel time

### Surface roughness

One of the most significant effects of urban development on flow velocity is less retardance to flow. That is, undeveloped areas with very slow and shallow overland flow through vegetation become modified by urban development: the flow is then delivered to streets, gutters, and storm sewers that transport runoff downstream more rapidly. Travel time through the watershed is generally decreased.

### Channel shape and flow patterns

In small non-urban watersheds, much of the travel time results from overland flow in upstream areas. Typically, urbanization reduces overland flow lengths by conveying storm runoff into a channel as soon as possible. Since channel designs have efficient hydraulic characteristics, runoff flow velocity increases and travel time decreases.

### Slope

Slopes may be increased or decreased by urbanization, depending on the extent of site grading or the extent to which storm sewers and street ditches are used in the design of the water management system. Slope will tend to increase when channels are straightened and decrease when overland flow is directed through storm sewers, street gutters, and diversions.

## Computation of travel time and time of concentration

Water moves through a watershed as sheet flow, shallow concentrated flow, open channel flow, or some combination of these. The type that occurs is a function of the conveyance system and is best determined by field inspection.

Travel time ( $T_t$ ) is the ratio of flow length to flow velocity:

$$T_t = \frac{L}{3600V} \qquad \text{[eq. 3-1]}$$

where:

$T_t$ = travel time (hr)
L = flow length (ft)
V = average velocity (ft/s)
3600 = conversion factor from seconds to hours.

Time of concentration ( $T_c$ ) is the sum of $T_t$ values for the various consecutive flow segments:

$$T_c = T_{t_1} + T_{t_2} + \ldots T_{t_m} \qquad \text{[eq. 3-2]}$$

where:

$T_c$ = time of concentration (hr)
m = number of flow segments

# Day and Night Wind Drift and Evaporation Losses in Sprinkler Solid-Sets and Moving Laterals

by

**Playán, E. [1], Salvador, R. [2], Faci, J. M. [2], Zapata, N. [2], Martínez-Cob, A. [1] and Sánchez, I. [2]**

## Abstract

Wind drift and evaporation losses (*WDEL*) represent a relevant water sink in sprinkler irrigation, particularly in areas with strong winds and high evaporative demand. The objectives of this paper include: 1) Characterize *WDEL* under day and night operation conditions for solid-set and moving lateral configurations; 2) Propose adequate predictive equations; and 3) Prospect the effect of sprinkler irrigation on the meteorological variables and on the estimates of reference evapotranspiration. A total of 89 catch can irrigation evaluations were performed in both irrigation systems and

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**Table 5**. *Selected predictive equations for WDEL. Equations are presented for solid-sets, moving laterals and both irrigation systems; and for day, night and both conditions. Quality indicators are supplied for each equation: $R^2$ (Determination Coefficient), AMRE (Average Magnitude of the Relative Error) and Pred[0.25] (Prediction level 25 %). Three dependent variables are used in the equations: Wind Speed at an elevation of 2 m (U, m $s^{-1}$), Relative Humidity (RH, %), and Air Temperature (T, °C).*

| Irrigation System | Day or Night | Eq. # | WDEL = | $R^2$ (%) | SE (%) | AMRE (%) | Pred[0.25] (-) |
|---|---|---|---|---|---|---|---|
| Solid-Set | All | E15 | $20.3 + 0.214\ U^2 - 2.29\ 10^{-3}\ RH^2$ | 0.80 | 3.1 | 0.31 | 62 |
| | | E14 | $26.1 + 1.64\ U - 0.274\ RH$ | 0.79 | 3.2 | 0.31 | 59 |
| | | E5 | $38.6 - 0.407\ RH$ | 0.67 | 3.9 | 0.37 | 49 |
| | | E23 | $4.4 + 3.60\ U^{0.9}$ | 0.60 | 4.3 | 0.51 | 43 |
| | | E4 | $5.2 + 2.90\ U$ | 0.60 | 4.3 | 0.51 | 43 |
| | Day | E13 | $20.7 + 0.185\ U^2 - 2.14\ 10^{-3}\ RH^2$ | 0.75 | 2.8 | 0.11 | 89 |
| | | E12 | $24.1 + 1.41\ U - 0.216\ RH$ | 0.69 | 3.1 | 0.13 | 79 |
| | | E21 | $12.3 + 0.552\ U^{1.6}$ | 0.59 | 3.5 | 0.17 | 79 |
| | | E1 | $13.0 + 0.246\ U^2$ | 0.58 | 3.5 | 0.18 | 79 |
| | | E20 | $10.5 + 1.89\ U$ | 0.57 | 3.5 | 0.17 | 74 |
| | Night | E22 | $3.2 + 1.84\ U^{1.7}$ | 0.55 | 3.2 | 0.43 | 56 |
| | | E2 | $3.7 + 1.31\ U^2$ | 0.55 | 3.2 | 0.42 | 61 |
| | | E3 | $29.9 - 0.300\ RH$ | 0.39 | 3.7 | 0.53 | 28 |
| Moving Lateral | All | E18 | $-2.1 + 1.91\ U + 0.231\ T$ | 0.74 | 1.8 | 0.33 | 58 |
| | | E7 | $2.7 + 2.31\ U$ | 0.60 | 2.2 | 0.42 | 54 |
| | | E27 | $2.4 + 2.70\ U^{0.9}$ | 0.60 | 2.2 | 0.42 | 56 |
| | Day | E17 | $7.0 + 1.65\ U - 1.16\ 10^{-3}\ RH^2$ | 0.51 | 1.8 | 0.17 | 81 |
| | | E16 | $8.9 + 1.67\ U - 0.097\ RH$ | 0.50 | 1.8 | 0.17 | 81 |
| | | E25 | $5.1 + 1.78\ U^{0.9}$ | 0.38 | 2.0 | 0.20 | 77 |
| | | E24 | $5.4 + 1.48\ U$ | 0.38 | 2.0 | 0.20 | 77 |
| | Night | E26 | $3.1 + 0.00600\ U^{9.2}$ | 0.28 | 1.2 | 0.40 | 43 |
| | | E6 | $239 / RH$ | 0.11 | 1.3 | 0.45 | 38 |
| Both Irrigation Systems | All | E11 | $3.1 + 2.95\ U$ | 0.58 | 3.7 | 0.49 | 51 |
| | Day | E8 | $8.6 + 0.337\ U^2$ | 0.51 | 3.8 | 0.28 | 62 |
| | | E28 | $8.4 + 0.409\ U^{1.9}$ | 0.51 | 3.8 | 0.28 | 64 |
| | | E19 | $5.7 + 2.29\ U$ | 0.51 | 3.8 | 0.29 | 56 |
| | Night | E29 | $3.2 + 0.761\ U^{2.6}$ | 0.59 | 2.5 | 0.48 | 46 |
| | | E9 | $3.4 + 0.512\ U^3$ | 0.59 | 2.5 | 0.47 | 46 |
| | | E10 | $10.3 - 8.97\ 10^{-4}\ RH^2$ | 0.12 | 3.7 | 0.70 | 36 |