

The Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist

Volume 4, Number 4, January 2014



Dr. John Christy, Alabama State Climatologist

How cold was it in Alabama last month? In many places it was the coldest month in a generation. In Huntsville, where the state climatologist's office is located, this was the coldest month since January 1985, tying December 1988 with an average monthly temperature of 33.8 degree Fahrenheit (7.7 degrees F below normal).

Average January temperatures for other places around the state include:

| | |
|---------------|---|
| Birmingham | 36.1° (-7.7° colder than normal average and coldest since January 1985) |
| Mobile | 42.7° (-7.7°, coldest since January 1978) |
| Anniston | 35.9° (-7.5°) |
| Montgomery | 39.7° (-6.9°, coldest since January 1977) |
| Troy | 40.0° (-6.5°) |
| Tuscaloosa | 38.0° (-6.7°) |
| Muscle Shoals | 35.2° (-5.8°) |

There were three legitimate Arctic air outbreaks during the month: Jan. 6-8, Jan. 23-25, and Jan. 28-30. The state's coldest readings in those three events were: -1° F at Valley Head on Jan. 7, +1° F at Valley Head on Jan. 24, and -1° F at the Russellville airport on Jan. 29.

At the other end of the state, Mobile's readings hit 14° F on Jan. 7, 24° F on Jan. 24, and 16° F on Jan. 30. At least 80 daily minimum low temperature records were set, but none approached the all time coldest observations in stations throughout the state which include the overall coldest reading of -27° F at New Market in 1966.

Enterprise saw what might be considered the coldest day in its 47-year temperature record: The high temperature on Jan. 8 was only 18° F, almost two degrees cooler than the previous lowest high, set in December 1989.

If we look at the lowest highs — think of it as the "that's as warm as it got" reading — Enterprise, Moulton and Chatom each had their coldest January day on record last month. Among the 83 daily low high records set in January, five of the records that were broken date from January 1897.

With colder-than-normal temperatures, it usually is the case that precipitation will also be below normal. Deficits were for Huntsville -1.59", Birmingham -3.28", Montgomery -2.13", and Mobile -2.73". Arctic air is extremely dry, so by the end of the month a large portion of the state was abnormally dry.

The real story of the month was the nasty way the last cold blast interacted with Gulf moisture to drop snow and ice throughout central and southern Alabama. Snow fell from the coast (1.3" Mobile) through the Plains (2.0" Auburn) and central valley and highlands (2.0" Birmingham). Normally such small amounts would melt quickly, but the cold from the previous week combined with the accompanying Arctic blast wouldn't allow it. Once packed by traffic, it was as if the ice were glued to road surfaces.

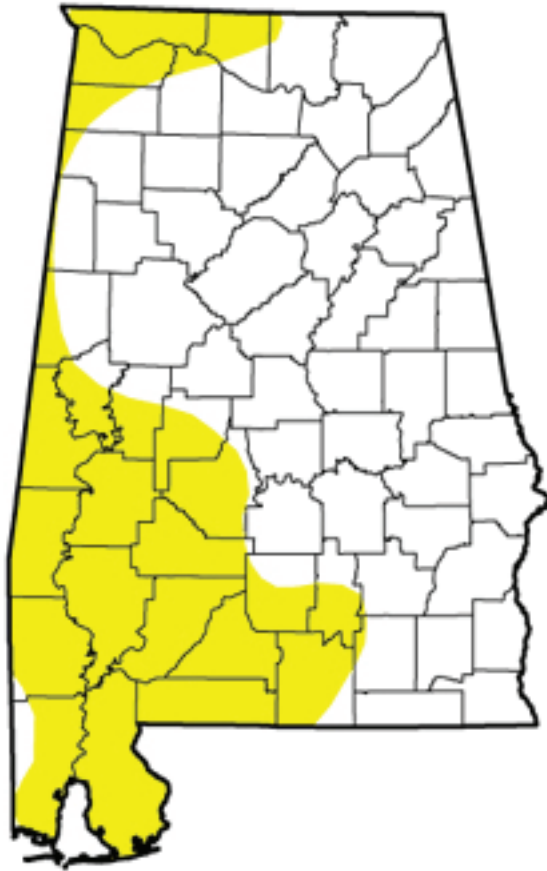
This winter has had no guiding influence from the Pacific Ocean, i.e. no La Niña or El Niño. It is in these "neutral" patterns that Arctic outbreaks are more common. We have seen especially cold days in late October, around Thanksgiving and then for most of January.

I've been asked by farmers if a cold winter means anything for the summer weather, especially for growing season rainfall. Alas, an examination of 118 years of observations shows no correlation between December and January temperatures and rainfall in May through June. In fact the correlation was 0.00. Summer weather is notoriously impossible to predict with any confidence this early in the year.

- John Christy

U.S. Drought Monitor Alabama

February 4, 2014
(Released Thursday, Feb. 6, 2014)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|-------|-------|-------|-------|-------|------|
| Current | 65.11 | 34.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| Last Week 1/29/2014 | 56.49 | 43.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 Months Ago 11/5/2013 | 57.89 | 42.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Calendar Year 12/31/2013 | 97.35 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Water Year 10/1/2013 | 96.85 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| One Year Ago 2/9/2013 | 47.93 | 52.07 | 31.83 | 20.30 | 4.00 | 0.00 |

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC



<http://droughtmonitor.unl.edu/>

Alabama Monthly Climate Summaries

Jan. 2014

| | Station Began | Jan. Mean Jan. Norm | Jan. Hi Temp Record Hi | Jan. Low Temp Record Lo | Total Precip. Normal Prec. | Wettest Jan. Driest Jan. | Heaviest Day Record Day |
|---------------|---------------|------------------------|---------------------------|----------------------------|-------------------------------|-----------------------------|----------------------------|
| Anniston | 2/1903 | 35.9° | 69° 1/11/14 | 5° 1/30/14 | 3.05° | 12.69° 1972 | 1.51° 1/11/14 |
| | | 43.5° | 80°+ 1/25/50 | -5° 1/21/85 | 5.34° | 0.95° 1986 | 5.07° 1/4/72 |
| Auburn | 1/1893 | 37.2° | 64° 1/11/14 | 9° 1/7/14 | 1.60° | 12.09° 1936 | 0.54° 1/11/14 |
| | | 48.3° | 84° 12/20/24 | -1° 12/13/62 | 5.26° | 0.49° 1927 | 5.23° 1/29/12 |
| Birmingham | 1/1930 | 36.1° | 65° 1/11/14 | 7° 1/7/14 | 1.56° | 9.59° 1996 | 0.69° 1/11/14 |
| | | 42.6° | 81° 1/10/49 | -6° 1/21/85 | 5.45° | 1.09° 1981 | 4.71° 1/26/96 |
| Brewton | 4/1977 | 41.1° | 74.0° 1/11/14 | 13.8° 1/30/14 | 3.14° | 12.55° 1991 | 0.85° 1/11/2014 |
| | | 47.7° | 85° 1/12/49 | 3° 1/21/85 | 6.19° | 1.46° 1981 | 6.45° 1/25/78 |
| Calera | 9/1900 | 37.5° | 66° 1/11/14 | 9° 1/30/14 | 2.93° | 12.59° 1947 | 1.90° 1/11/14 |
| | | 42.8° | 78° 1/29/57 | -2° 1/24/63 | 5.06° | 0.74° 1927 | 4.77° 1/24/20 |
| Clanton | 2/1893 | 36.6° | 67° 1/11/14 | 3.1° 1/30/14 | 2.50° | 13.48° 1972 | 1.19° 1/11/14 |
| | | 42.8° | 84° 1/12/49 | -4° 1/21/85 | 5.98° | 1.15° 1986 | 4.64° 1/19/36 |
| Courtland | | 33.7° M | 63.4° M 1/20/14 | 3.5° M 1/29/14 | 2.06° M | M | 1.35° M 1/11/14 |
| Cullman | 7/1907 | 33.3° M | 61.3° M 1/20/14 | 2.6° M 1/30/14 | 2.48° M | M | 1.22° M 1/11/14 |
| Decatur | 2/1880 | 32.8° | 65° 1/20/14 | 3° 1/30/14 | 2.46° | 12.98° 1949 | 1.43° 1/11/14 |
| | | 42.2° | 79° 01/15/1907 | -5° 01/12/18 | 5.04° | 1.00° 1958 | 4.62° 01/06/50 |
| Dothan | 2/1902 | 42.7° | 71° 1/27/14 | 14° 1/7/14 | 2.93° | 16.88° 1936 | 0.92° 1/11/14 |
| | | 50.7° | 83° 12/11/49 | 10° 12/24/63 | 4.27° | 0.34° 1927 | 6.42° 1/18/36 |
| Fairhope | 8/1917 | 43.6° | 71.2° 1/11/14 | 16.0° 1/7/14 | 3.58° | 16.33° 1998 | 0.95° 1/13/14 |
| | | 50.2° | 82° 1/2/52 | 5°+ 1/22/85 | 6.11° | 0.87° 1989 | 9.58° 1/25/78 |
| Gadsden | 7/1893 | 32.5° | 59.9° 1/20/14 | 3.1° 1/7/14 | 1.91° | 9.01° 1996 | 0.83° 1/11/14 |
| | | 40.3° | 76° 1/29/75 | -6°+ 1/21/85 | 5.85° | 1.48° 1981 | 4.05° 1/16/54 |
| Gainesville | 6/1948 | 37.9° | 66.6° 1/11/14 | 8.7° 1/30/14 | 1.75° | 10.80° 1998 | 0.74° 1/11/14 |
| | | 43.2° | 81° 1/20/82 | -2°+ 1/22/85 | 5.87° | 1.30° 1981 | 3.40° 1/20/63 |
| Greensboro | 2/1890 | 37.9° | 66.3° 1/11/14 | 7.0° 1/30/14 | 2.27° | 11.69° 1972 | 1.07° 1/11/14 |
| | | 45.7° | 83° 1/9/37 | -2° 1/21/85 | 6.12° | 1.31° 1986 | 5.58° 1/18/87 |
| Highland Home | 3/1892 | 39.9° | 69.0° 1/11/14 | 9.7° 1/7/14 | 3.50° | 10.49° 1978 | 1.47° 1/11/14 |
| | | 45.8° | 84° 1/12/49 | -3°+ 1/22/85 | 5.48° | 0.92° 1981 | 4.02° 1/25/78 |
| Huntsville | 1/1959 | 33.8° | 64° 1/20/14 | 4° 1/7/14 | 3.30° | 10.92° 1982 | 2.11° 1/11/14 |
| | | 39.9° | 77° 1/30/2002 | -11° 1/30/66 | 4.99° | 1.32° 1986 | 4.83° 1/3/82 |
| | | | | | | | |

Alabama Monthly Climate Summaries

Jan. 2013

| | Station Began | Jan. Mean Jan. Norm | Jan. Hi Temp Record Hi | Jan. Low Temp Record Lo | Total Precip. Normal Prec. | Wettest Jan. Driest Jan. | Heaviest Day Record Day |
|---------------------|---------------|------------------------|---------------------------|----------------------------|-------------------------------|-----------------------------|----------------------------|
| Mobile | 3/1900 | 42.7° | 73° 1/11/14 | 14° 1/7/14 | 2.92" | 16.92" 1998 | 1.30" 1/28/14 |
| | | 50.1° | 84° 1/11/49 | 3° 1/21/85 | 5.75" | 1.23" 1981 | 6.16" 1/7/98 |
| Montgomery | 6/1948 | 39.7° | 70° 1/11/14 | 11° 1/30/14 | 2.52" | 10.16" 1990 | 1.24" 1/11/14 |
| | | 46.6° | 83° 1/11/49 | 0° 1/21/85 | 5.04" | 1.12" 1986 | 4.16" 1/23/65 |
| Muscle Shoals | 12/1940 | 35.2° | 65° 1/20/14 | 5° 1/29/14 | 1.70" | 11.77" 1974 | 0.92" 1/11/14 |
| | | 39.9° | 80° 1/10/49 | -11° 1/21/85 | 4.97" | 0.60" 1986 | 4.41" 1/31/51 |
| Russellville | 9/1953 | 33.6° | 62.9° 1/20/14 | -1.2° 1/29/14 | 2.45" | 12.48" 1998 | 1.47" 1/11/14 |
| | | 38.9° | 78° 1/25/72 | -24°+ 1/31/66 | 5.44" | 0.93" 1986 | 3.20" 1/19/2001 |
| Scottsboro | 10/1891 | 31.9° | 62.3° 1/20/14 | 3.4° 1/30/14 | 2.23" | 10.92" 1996 | 0.96" 1/11/14 |
| | | 39.0° | 81° 1/11/49 | -10° 1/26/40 | 6.01" | 0.84" 1986 | 4.12" 1/2/37 |
| Selma | 1/1895 | 38.3° | 69.1° 1/11/14 | 8.0° 1/30/14 | 2.57" | 12.24" 1972 | 1.20" 1/11/14 |
| | | 47.0° | 83°+ 1/30/50 | 0° 1/21/85 | 5.64" | 1.07" 1986 | 4.20" 1/6/32 |
| Talladega | 2/1888 | 35.0° | 66.8° 1/11/14 | -0.5° 1/30/14 | 3.33" | 15.59" 1972 | 2.32" 1/11/14 |
| | | 41.0° | 80°+ 1/25/50 | -5°+ 1/21/85 | 6.12" | 1.05" 1986 | 4.01" 1/4/72 |
| Thomasville | 9/1891 | 38.9° | 70.4° 1/11/14 | 9.5° 1/30/14 | 1.94" | 14.37" 1925 | 0.50" 1/11/14 |
| | | 47.4° | 86° 1/20/1913 | -1° 1/21/85 | 5.13" | 0.79" 1902 | 5.04" 1/16/25 |
| Troy | 6/1908 | 40.2° | 70.1° 1/11/14 | 7.7° 1/30/14 | 3.34" | 9.81" 1978 | 1.33" 1/11/14 |
| | | 46.7° | 83° 1/12/49 | -1° 1/21/85 | 5.11" | 0.98" 1981 | 5.43" 1/19/36 |
| Tuscaloosa | 6/1948 | 38.0° | 66° 1/11/14 | 9° 1/30/14 | 2.09" | 10.18" 1979 | 0.92" 1/11/14 |
| | | 45.2° | 82° 1/10/49 | -1°+ 1/21/85 | 5.72" | 1.22" 1986 | 4.26" 1/26/96 |
| Valley Head | 1/1893 | 31.5° | 60.2° 1/20/14 | 0.3° 1/29/14 | 1.92" | 10.42" 1974 | 0.77" 1/11/14 |
| | | 37.2° | 77°+ 1/26/50 | -14°+ 1/22/85 | 6.06" | 1.70" 1981 | 4.00" 1/5/49 |
| Statewide Jan. 2013 | | 37.2° | 74° 2 Brewton | -1.2° Russellville | 2.54" | 16.92" Mobile | 2.32" Talladega |
| Jan. Norm | | 44.2° | 86° Thomasville | -24° Russellville | 5.52" | 0.34" Dothan | 9.58" Fairhope |

M: Data is missing or not available

*New Record

#This data is missing this month due to an instrument malfunction

^ This record differs from long-term data in the AOSC climate database:

http://nsstc.uah.edu/alclimate/climate/daily_climate_and_normals.php

Community Collaborative Rain, Hail & Snow Network (CoCoRAHS)

January 2014

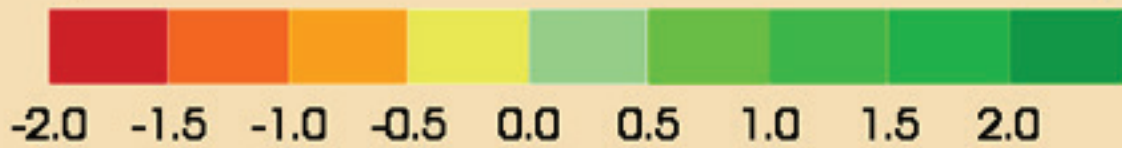
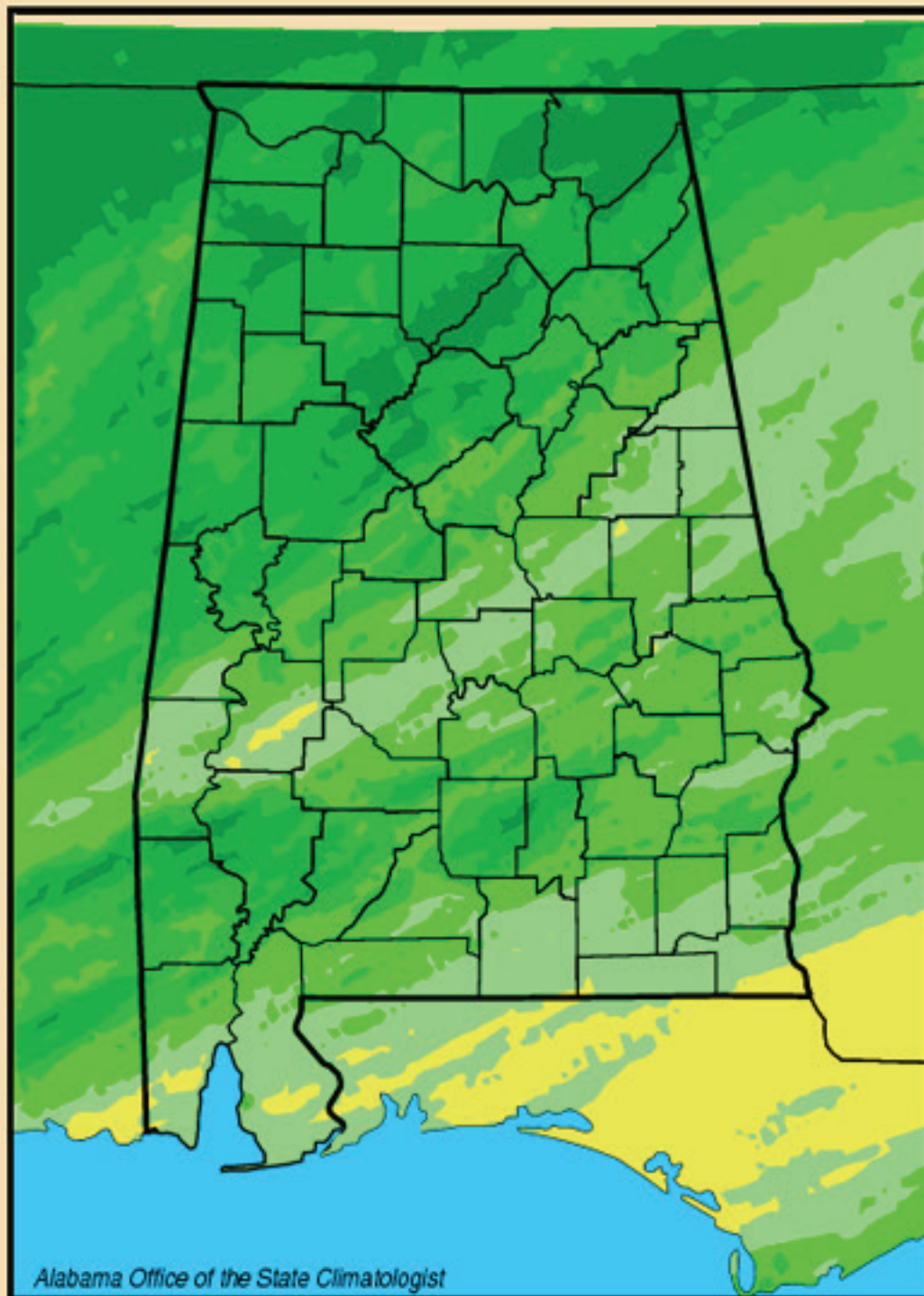
| | Ave. Total Precip. | # Stations |
|-----------|--------------------|------------|
| Autauga | 2.86 | 4 |
| Baldwin | 3.21 | 26 |
| Barbour | n.a. | 0 |
| Bibb | 1.79 | 1 |
| Blount | 2.51 | 8 |
| Bullock | n.a. | 0 |
| Butler | n.a. | 0 |
| Calhoun | 3.77 | 2 |
| Chambers | 3.05 | 1 |
| Cherokee | 3.18 | 1 |
| Chilton | 2.55 | 2 |
| Choctaw | 1.71 | 1 |
| Clarke | 2.42 | 3 |
| Clay | n.a. | 0 |
| Cleburne | n.a. | 0 |
| Coffee | 2.67 | 1 |
| Colbert | 1.84 | 7 |
| Conecuh | n.a. | 0 |
| Coosa | 3.14 | 2 |
| Covington | n.a. | 0 |
| Crenshaw | n.a. | 0 |
| Cullman | 2.35 | 3 |
| Dale | 2.98 | 2 |
| Dallas | 2.72 | 1 |
| DeKalb | 1.83 | 3 |
| Elmore | 2.39 | 8 |
| Escambia | 3.40 | 1 |
| Etowah | 3.12 | 2 |
| Fayette | 1.42 | 3 |
| Franklin | n.a. | 0 |
| Geneva | n.a. | 0 |
| Greene | n.a. | 0 |
| Hale | n.a. | 0 |
| Henry | n.a. | 0 |

| | Ave. Total Precip. | # Stations |
|------------|--------------------|------------|
| Houston | 2.10 | 2 |
| Jackson | 2.90 | 7 |
| Jefferson | 2.06 | 14 |
| Lamar | 2.14 | 1 |
| Lauderdale | 1.86 | 10 |
| Lawrence | 2.51 | 2 |
| Lee | 2.39 | 4 |
| Limestone | 2.64 | 11 |
| Lowndes | n.a. | 0 |
| Macon | 0.37 | 1 |
| Madison | 2.95 | 57 |
| Marengo | n.a. | 0 |
| Marion | 2.78 | 1 |
| Marshall | 1.83 | 12 |
| Mobile | 2.49 | 16 |
| Monroe | 2.37 | 2 |
| Montgomery | 3.07 | 3 |
| Morgan | 2.65 | 7 |
| Perry | n.a. | 0 |
| Pickens | 2.70 | 1 |
| Pike | n.a. | 0 |
| Randolph | 3.16 | 1 |
| Russell | 2.84 | 2 |
| St. Clair | 1.75 | 3 |
| Shelby | 3.41 | 21 |
| Sumter | n.a. | 0 |
| Talladega | 3.12 | 6 |
| Tallapoosa | 2.78 | 4 |
| Tuscaloosa | 1.72 | 4 |
| Walker | n.a. | 0 |
| Washington | 2.83 | 1 |
| Wilcox | 1.81 | 2 |
| Winston | 2.50 | 2 |

| Normal January Precipitation* | |
|--|-------|
| Abbeville | 5.30" |
| Alberta | 4.84" |
| Alex City | 5.69" |
| Aliceville | 5.30" |
| Andalusia | 5.17" |
| Ashland | 5.48" |
| Athens | 6.06" |
| Bay Minette | 5.43" |
| Bessemer | 5.34" |
| Billingsley | 4.98" |
| Centreville WSMO | 5.63" |
| Chatom | 5.45" |
| Claiborne L&D. | 5.49" |
| Clayton | 4.91" |
| Dauphin Isl. | 5.86" |
| Elba | 5.08" |
| Eufaula WR | 5.20" |
| Evergreen | 5.55" |
| Fayette | 5.75" |
| Geneva 2 | 6.43" |
| Greenville | 4.98" |
| Haleyville | 5.79" |
| Hamilton 3S | 5.31" |
| Heflin | 5.31" |
| Hurtsboro | 4.89" |
| Jasper | 5.71" |
| Lafayette | 5.19" |
| Livingston | 4.77" |
| Melvin | 5.25" |
| Milstead | 4.85" |
| Moulton | 5.03" |
| Oneonta | 5.39" |
| Perryville | 5.00" |
| Plantersville | 5.26" |
| Rock Mills | 5.39" |
| Rockford | 5.54" |
| Sylacauga | 5.14" |
| Union Springs | 4.77" |
| Uniontown | 4.99" |
| Vernon | 5.95" |
| Warrior L&D | 5.34" |
| Wetumpka | 4.87" |

*Southeast Regional Climate Center
www.serrc.com

Lawn-and-Garden Moisture Index for February 6, 2014



Total Precipitation - January 2014

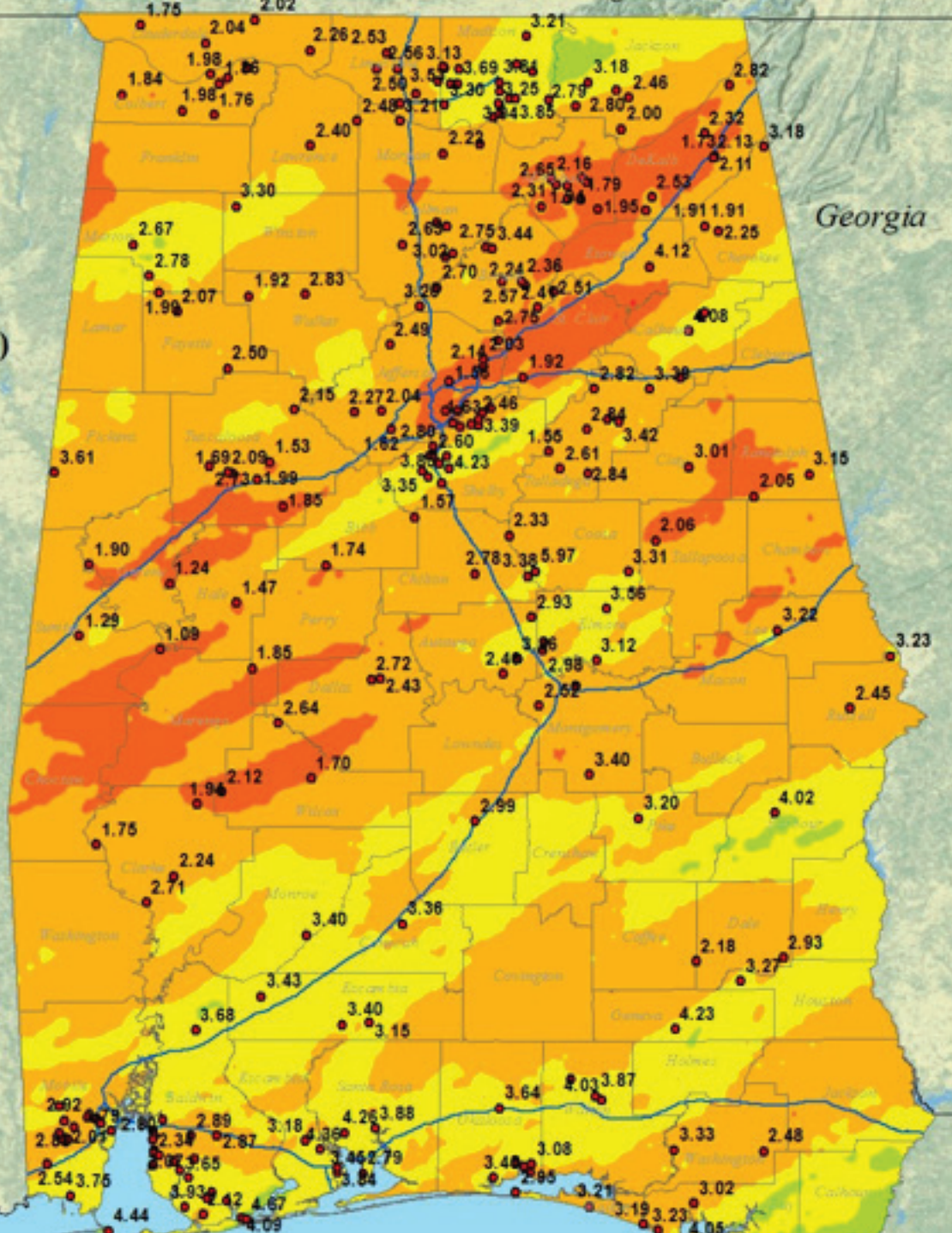
Source: Co-Op Sites, ASOS Observations, CoCoRaHS Observers, and RFC Estimates
Created by the National Weather Service Forecast Office, Birmingham, Alabama



Birmingham, AL

GIS

Rainfall (Inches)

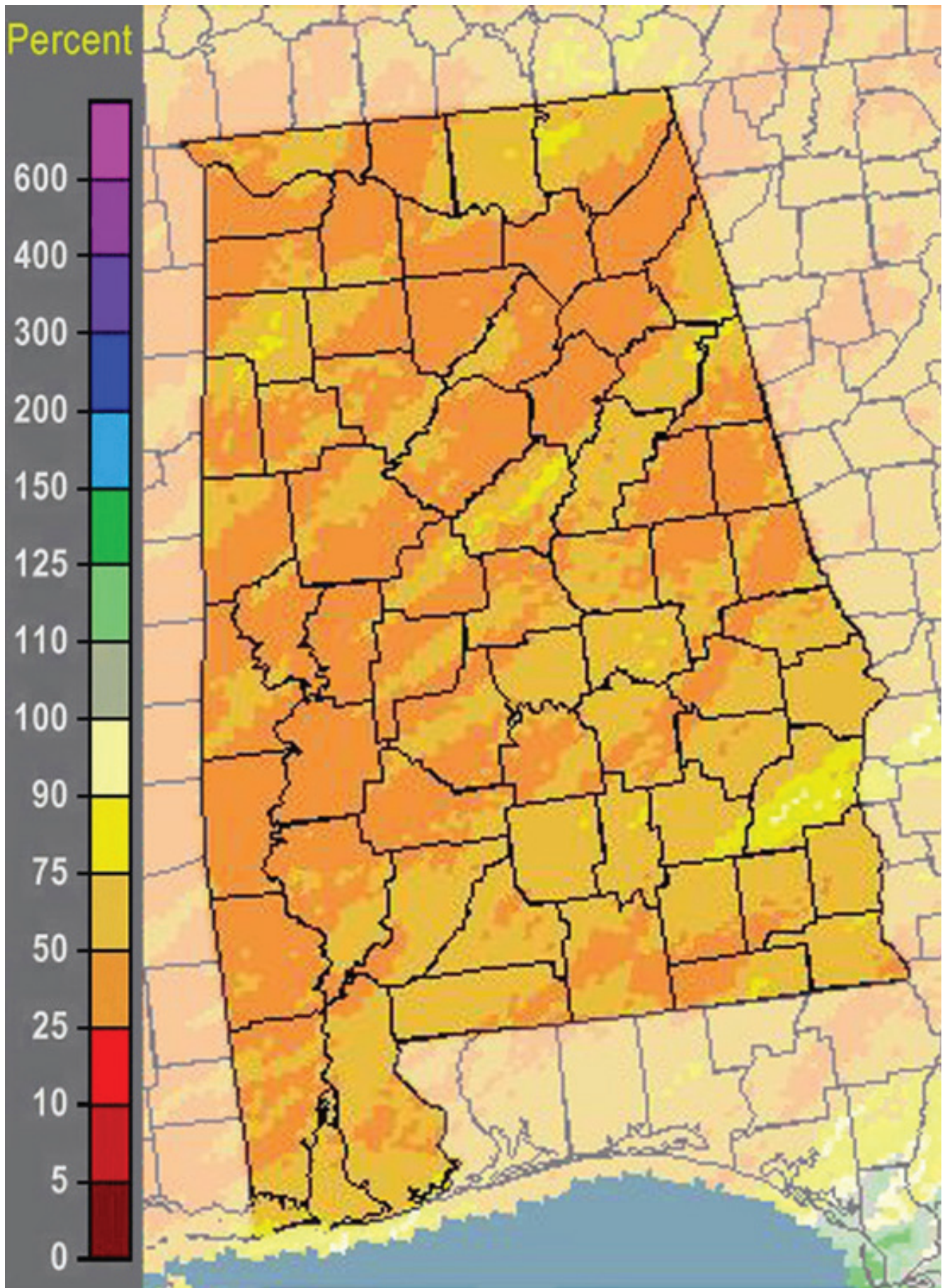


U.S. National Weather Service
Birmingham Alabama



@NWSBirmingham
#bmxwx

This map is an interpolation of actual reported values combined with RFC estimates and should be considered as an estimation only.
Precip totals are from 7am Jan. 1st through 7am Feb. 1st, 2014.



Jan. 2014 NWS percentage of normal precipitation

New Local Climate Records¹

January 2014

Coollest High Temperature, Daily

| | Period of Record | New Record | Previous Record | Previous Date | | | | | |
|------------------------|------------------|------------|-----------------|---------------|------------------------|-----|--------|--------|------|
| 6 January 2014 | | | | | 24 January 2014 | | | | |
| TUSCALOOSA MUNI AP | 61 | 30.2°F | 33.1°F | 1988 | GADSDEN | 53 | 32.0°F | 33.1°F | 2003 |
| BESSEMER 3 WSW | 36 | 30.9°F | 33.1°F | 1988 | 25 January 2014 | | | | |
| 7 January 2014 | | | | | ATMORE | 51 | 33.1°F | 41.0°F | 1963 |
| ALEXANDER CITY | 44 | 28.9°F | 37.9°F | 1988 | CHATOM | 63 | 32.0°F | 41.0°F | 1979 |
| ATMORE | 51 | 33.1°F | 37.9°F | 1996 | CODEN | 51 | 34.0°F | 42.1°F | 2003 |
| BANKHEAD LOCK & DAM | 53 | 30.0°F | 32.0°F | 1971 | JACKSON | 31 | 33.1°F | 41.0°F | 2003 |
| BELLE MINA 2 N | 63 | 16.0°F | 25.0°F | 1970 | MOULTON 2 | 55 | 30.9°F | 35.1°F | 1966 |
| BESSEMER 3 WSW | 33 | 26.1°F | 34.0°F | 1988 | 29 January 2014 | | | | |
| CODEN | 53 | 35.1°F | 41.0°F | 1970 | BANKHEAD LOCK & DAM | 54 | 27.0°F | 30.9°F | 1961 |
| DAUPHIN ISLAND #2 | 37 | 39.9°F | 43.0°F | 2010 | BELLE MINA 2 N | 63 | 19.0°F | 30.0°F | 1979 |
| ENTERPRISE 4 W | 40 | 34.0°F | 42.1°F | 1971 | BESSEMER 3 WSW | 35 | 30.0°F | 37.9°F | 1978 |
| EUFULA WILDLIFE REF | 43 | 37.9°F | 41.0°F | 1970 | BREWTON 3 SSE | 85 | 36.0°F | 42.1°F | 1936 |
| EVERGREEN | 85 | 33.1°F | 39.0°F | 2006 | CHATOM | 61 | 25.0°F | 42.1°F | 1979 |
| GREENVILLE | 83 | 32.0°F | 39.9°F | 1988 | CLAYTON | 49 | 34.0°F | 39.9°F | 1979 |
| GUNTERSVILLE | 51 | 21.0°F | 28.0°F | 1970 | CODEN | 52 | 36.0°F | 46.9°F | 1979 |
| HALEYVILLE | 72 | 25.0°F | 27.0°F | 1988 | DAUPHIN ISLAND #2 | 38 | 39.9°F | 46.0°F | 1978 |
| HAMILTON 3 S | 51 | 19.9°F | 30.9°F | 1988 | DEMOPOLIS L&D | 57 | 28.0°F | 33.1°F | 1961 |
| JACKSON | 30 | 33.1°F | 36.0°F | 1996 | EVERGREEN | 84 | 30.0°F | 32.0°F | 1897 |
| JASPER | 47 | 19.9°F | 28.0°F | 1970 | GADSDEN | 55 | 30.0°F | 32.0°F | 1979 |
| MARION JUNCTION 2 NE | 63 | 28.0°F | 34.0°F | 1970 | GAINESVILLE LOCK | 53 | 26.1°F | 30.9°F | 1961 |
| MOBILE DOWNTOWN AP | 35 | 35.1°F | 45.0°F | 2002 | GENEVA NO 2 | 37 | 36.0°F | 41.0°F | 2000 |
| MOULTON 2 | 55 | 15.1°F | 23.0°F | 1970 | GREENSBORO | 109 | 25.0°F | 28.0°F | 1897 |
| ROBERTSDALE | 78 | 39.0°F | 45.0°F | 1971 | GUNTERSVILLE | 53 | 21.0°F | 36.0°F | 2007 |
| SAND MT SUBSTATION | 63 | 16.0°F | 28.9°F | 1988 | HAMILTON 3 S | 52 | 21.0°F | 30.9°F | 1979 |
| SCOTTSBORO | 114 | 18.0°F | 30.9°F | 1988 | JACKSON | 31 | 30.9°F | 43.0°F | 1997 |
| SYLACAUGA 4 NE | 53 | 25.0°F | 35.1°F | 1988 | MOULTON 2 | 55 | 19.0°F | 28.0°F | 1977 |
| TROY | 101 | 33.1°F | 37.0°F | 1970 | ROCK MILLS | 61 | 28.9°F | 35.1°F | 2005 |
| TALLADEGA | 112 | 25.0°F | 33.1°F | 1988 | SELMA | 111 | 28.9°F | 30.0°F | 1897 |
| VALLEY HEAD | 116 | 21.9°F | 28.0°F | 1988 | SYLACAUGA 4 NE | 54 | 25.0°F | 37.9°F | 2000 |
| 8 January 2014 | | | | | TALLADEGA | 112 | 25.0°F | 30.0°F | 1936 |
| ATMORE | 50 | 30.0°F | 39.9°F | 2002 | THOMASVILLE | 113 | 25.0°F | 28.0°F | 1897 |
| BAY MINETTE | 90 | 34.0°F | 36.0°F | 1958 | 30 January 2014 | | | | |
| BREWTON 3 SSE | 83 | 34.0°F | 37.9°F | 1970 | ALEXANDER CITY | 43 | 28.9°F | 34.0°F | 1977 |
| DAUPHIN ISLAND #2 | 38 | 35.1°F | 41.0°F | 1996 | ATMORE | 52 | 30.0°F | 41.0°F | 1949 |
| ENTERPRISE 4 W | 42 | 18.0°F | 30.0°F | 1970 | CLAYTON | 46 | 25.0°F | 36.0°F | 1977 |
| EVERGREEN | 82 | 28.9°F | 30.9°F | 1970 | DAUPHIN ISLAND #2 | 38 | 35.1°F | 42.1°F | 1979 |
| FAIRHOPE 2 NE | 93 | 33.1°F | 39.9°F | 1970 | DEMOPOLIS L&D | 57 | 28.9°F | 35.1°F | 1977 |
| GENEVA NO 2 | 37 | 30.9°F | 34.0°F | 1996 | ENTERPRISE 4 W | 38 | 35.1°F | 37.9°F | 2005 |
| GREENSBORO | 107 | 28.0°F | 28.9°F | 1970 | EVERGREEN | 86 | 30.0°F | 32.0°F | 1897 |
| JACKSON | 31 | 32.0°F | 39.0°F | 1996 | FAIRHOPE | 93 | 33.1°F | 34.0°F | 1966 |
| MARION JUNCTION 2 NE | 63 | 27.0°F | 28.9°F | 1996 | GENEVA NO 2 | 37 | 37.0°F | 41.0°F | 1977 |
| SELMA | 109 | 28.9°F | 34.0°F | 1970 | GREENSBORO | 111 | 30.0°F | 33.1°F | 1977 |
| 23 January 2014 | | | | | HEADLAND | 61 | 35.1°F | 37.9°F | 1977 |
| CODEN | 52 | 42.1°F | 46.0°F | 1991 | JACKSON | 30 | 30.9°F | 46.0°F | 1994 |
| GENEVA NO 2 | 37 | 45.0°F | 46.0°F | 1991 | | | | | |

¹ <http://wfw.ncdc.noaa.gov/extremes/records/>

New Local Climate Records¹

January 2014

Minimum Low Temperature, Daily

| | Period of Record | New Record | Previous Record | Previous Year | | | | | |
|---------------------------|------------------|------------|-----------------|---------------|--|-----|--------|--------|------|
| 6 January 2014 | | | | | MARION JUNCTION 2 NE..... | 63 | 10.0°F | 12.9°F | 1970 |
| GADSDEN..... | 54 | 10.0°F | 12.9°F | 1959 | MOULTON 2..... | 55 | 6.1°F | 7.0°F | 1970 |
| BESSEMER 3 WSW..... | 34 | 12.9°F | 15.1°F | 2010 | SAND MT SUBSTATION..... | 64 | 3.9°F | 6.1°F | 1970 |
| 7 January 2014 | | | | | SELMA..... | 108 | 12.0°F | 12.9°F | 1970 |
| ALEXANDER CITY..... | 44 | 7.0°F | 12.0°F | 1970 | SYLACAUGA 4 NE..... | 54 | 9.0°F | 12.0°F | 1970 |
| ATMORE..... | 50 | 14.0°F | 19.9°F | 2010 | TALLADEGA..... | 110 | 8.1°F | 10.0°F | 1970 |
| BANKHEAD LOCK & DAM..... | 46 | 9.0°F | 10.0°F | 1995 | 9 January 2014 | | | | |
| BAY MINETTE..... | 88 | 15.1°F | 16.0°F | 1970 | GENEVA NO 2..... | 37 | 16.0°F | 17.1°F | 1996 |
| BELLE MINA 2 N..... | 63 | 3.9°F | 6.1°F | 1970 | 10 January 2014 | | | | |
| BESSEMER 3 WSW..... | 36 | 7.0°F | 18.0°F | 2004 | GENEVA NO 2..... | 37 | 16.0°F | 17.1°F | 1996 |
| CLAYTON..... | 48 | 10.9°F | 18.0°F | 2010 | 25 January 2014 | | | | |
| CODEN..... | 50 | 15.1°F | 19.9°F | 1970 | BESSEMER 3 WSW..... | 36 | 16.0°F | 19.9°F | 2008 |
| DAUPHIN ISLAND #2..... | 38 | 23.0°F | 32.0°F | 2010 | 29 January 2014 | | | | |
| DEMOPOLIS L&D..... | 60 | 12.0°F | 15.1°F | 1970 | ATMORE..... | 51 | 18.0°F | 19.9°F | 1986 |
| ENTERPRISE 4 W..... | 38 | 14.0°F | 17.1°F | 1970 | BELLE MINA 2 N..... | 63 | 3.0°F | 7.0°F | 1977 |
| EUFAULA WILDLIFE REF..... | 41 | 12.9°F | 19.0°F | 1999 | BESSEMER 3 WSW..... | 32 | 12.0°F | 18.0°F | 2007 |
| GADSDEN..... | 53 | 6.1°F | 9.0°F | 1970 | CODEN..... | 50 | 21.0°F | 21.9°F | 1977 |
| GENEVA NO 2..... | 37 | 15.1°F | 17.1°F | 2010 | GUNTERSVILLE..... | 55 | 10.9°F | 14.0°F | 1966 |
| GREENVILLE..... | 84 | 12.0°F | 15.1°F | 2010 | HAMILTON 3 S..... | 52 | -0.0°F | 5.0°F | 1977 |
| GUNTERSVILLE..... | 54 | 6.1°F | 8.1°F | 1970 | MOULTON 2..... | 55 | 3.0°F | 5.0°F | 1977 |
| HALEYVILLE..... | 69 | 1.0°F | 3.9°F | 1970 | SYLACAUGA 4 NE..... | 53 | 10.9°F | 12.0°F | 1986 |
| HAMILTON 3 S..... | 51 | 1.0°F | 3.0°F | 1970 | 30 January 2014 | | | | |
| HEADLAND..... | 58 | 14.0°F | 19.9°F | 2010 | ALEXANDER CITY..... | 43 | 3.9°F | 16.0°F | 1977 |
| JASPER..... | 44 | 5.0°F | 7.0°F | 1970 | ATMORE..... | 52 | 17.1°F | 21.0°F | 2007 |
| MARION JUNCTION 2 NE..... | 63 | 10.0°F | 12.9°F | 1970 | BESSEMER 3 WSW..... | 36 | 6.1°F | 21.9°F | 1995 |
| MOBILE DOWNTOWN AP..... | 35 | 17.2°F | 25.2°F | 2006 | ENTERPRISE 4 W..... | 37 | 18.0°F | 23.0°F | 1973 |
| MOULTON 2..... | 55 | 5.0°F | 6.1°F | 1970 | EUFAULA WILDLIFE REF..... | 40 | 12.9°F | 16.0°F | 1977 |
| OPELIKA..... | 53 | 9.0°F | 15.1°F | 1959 | GENEVA NO 2..... | 37 | 17.1°F | 23.0°F | 2007 |
| SAND MT SUBSTATION..... | 64 | 3.0°F | 3.9°F | 1970 | GREENSBORO..... | 117 | 10.9°F | 15.1°F | 1934 |
| SCOTTSBORO..... | 111 | 5.0°F | 6.1°F | 1970 | SYLACAUGA 4 NE..... | 52 | -0.0°F | 1.0°F | 1966 |
| SELMA..... | 108 | 12.0°F | 14.0°F | 1970 | TALLADEGA..... | 112 | -2.0°F | -0.9°F | 1966 |
| SYLACAUGA 4 NE..... | 52 | 7.0°F | 12.0°F | 2010 | 31 January 2014 | | | | |
| TALLADEGA..... | 111 | 7.0°F | 10.9°F | 1970 | ALEXANDER CITY..... | 44 | 5.0°F | 19.9°F | 1970 |
| TROY..... | 100 | 10.9°F | 15.1°F | 1970 | ATMORE..... | 53 | 17.1°F | 25.0°F | 1961 |
| TUSCALOOSA MUNI AP..... | 61 | 9.1°F | 12.9°F | 1970 | DAUPHIN ISLAND #2..... | 39 | 30.9°F | 34.0°F | 1978 |
| VALLEY HEAD..... | 116 | -0.9°F | 3.9°F | 1970 | ENTERPRISE 4 W..... | 43 | 18.0°F | 24.1°F | 1973 |
| 8 January 2014 | | | | | GENEVA NO 2..... | 38 | 18.0°F | 25.0°F | 2009 |
| ALEXANDER CITY..... | 44 | 7.0°F | 10.0°F | 1970 | JACKSON..... | 32 | 12.0°F | 19.0°F | 1965 |
| ATMORE..... | 50 | 12.9°F | 19.0°F | 1996 | SCOTTSBORO..... | 113 | 5.0°F | 8.1°F | 1909 |
| CLAYTON..... | 50 | 10.9°F | 12.0°F | 1970 | SYLACAUGA 4 NE..... | 55 | -0.0°F | 6.1°F | 1966 |
| CODEN..... | 52 | 15.1°F | 16.0°F | 1970 | TALLADEGA..... | 110 | -2.0°F | 5.0°F | 1966 |
| DEMOPOLIS L&D..... | 61 | 10.9°F | 12.9°F | 1970 | * This record differs from long-term data in the AOSC climate database: http://nsstc.uah.edu/akclimate/climate/daily_climate_and_normals.php | | | | |
| ENTERPRISE 4 W..... | 42 | 3.9°F | 12.9°F | 1970 | | | | | |
| EVERGREEN..... | 84 | 12.0°F | 14.0°F | 1970 | | | | | |
| FAIRHOPE 2 NE..... | 91 | 15.1°F | 21.0°F | 1970 | | | | | |
| GENEVA NO 2..... | 37 | 15.1°F | 19.9°F | 1996 | | | | | |
| HAMILTON 3 S..... | 51 | -0.0°F | 3.9°F | 1970 | | | | | |
| JACKSON..... | 31 | 14.0°F | 21.0°F | 2010 | | | | | |

New Local Climate Records¹

January 2014

Coollest High Temperature on Record

| | Period of Record | New Record | Previous Record | Previous Date |
|-----------------------|------------------|------------|-----------------|---------------|
| 8 January 2014 | | | | |
| ENTERPRISE 4 W | 47 | 18.0°F | 19.9°F | 1989-12-24 |

Coollest High Temperature, Month of January

| | Period of Record | New Record | Previous Record | Previous Date |
|------------------------|------------------|------------|-----------------|---------------|
| 7 January 2014 | | | | |
| MOULTON 2 | 55 | 15.1°F | 17.1°F | 1970-01-08 |
| 8 January 2014 | | | | |
| ENTERPRISE 4 W | 43 | 18.0°F | 21.9°F | 1985-01-21 |
| 29 January 2014 | | | | |
| CHATOM | 64 | 25.0°F | 26.1°F | 2014-01-08 |

Precipitation, Daily

| | Period of Record | New Record | Previous Record | Previous Year |
|------------------------|------------------|------------|-----------------|---------------|
| 11 January 2014 | | | | |
| ALBERTA | 73 | 1.47 in | 1.30 in | 1975 |
| CHILDERSBURG WTR PLT | 56 | 1.30 in | 1.14 in | 1975 |
| LOGAN MARTIN DAM | 32 | 1.57 in | 0.79 in | 1991 |
| MOULTON 2 | 56 | 1.65 in | 1.58 in | 1974 |
| OPELIKA | 56 | 2.10 in | 1.34 in | 1975 |
| TROY MUNICIPAL AP | 44 | 1.57 in | 0.56 in | 2008 |
| WALLACE 2 E | 72 | 2.65 in | 2.00 in | 1991 |
| 12 January 2014 | | | | |
| JONES BLUFF L&D | 33 | 2.00 in | 0.62 in | 1996 |
| SYLACAUGA 4 NE | 63 | 0.73 in | 0.70 in | 1996 |
| 13 January 2014 | | | | |
| BERRY 3 NW | 73 | 0.21 in | 0.14 in | 1950 |
| 28 January 2014 | | | | |
| ROCK MILLS | 75 | 3.00 in | 1.28 in | 1952 |
| 29 January 2014 | | | | |
| WEST BLOCTON | 73 | 2.00 in | 0.95 in | 2000 |
| GENEVA NO 2 | 37 | 0.60 in | 0.45 in | 2009 |

Snowfall, Daily

| | Period of Record | New Record | Previous Record | Previous Year |
|------------------------|------------------|------------|-----------------|---------------|
| 3 January 2014 | | | | |
| VALLEY HEAD | 120 | 0.12 in | Trace | 1984 |
| 28 January 2014 | | | | |
| ROCK MILLS | 75 | 2.99 in | 0.00 in | |
| 29 January 2014 | | | | |
| HOLT LOCK & DAM | 33 | 1.30 in | 0.00 in | |

¹ This record differs from long-term data in the AOSC climate database:
http://nsstc.uah.edu/alclimate/climate/daily_climate_and_normals.php

Alabama State Climatologist

John R. Christy

Alabama State Climatologist

The University of Alabama

in Huntsville

christy@nsstc.uah.edu

256-961-7763

Contact:

Phillip Gentry

UAHuntsville Communications

The University of Alabama in Huntsville

gentry@nsstc.uah.edu

256.961.7618

Bob Clymer

Assistant State Climatologist

The University of Alabama in Huntsville

bob.clymer@nsstc.uah.edu

256-961-7771

<http://nsstc.uah.edu/alclimatereport>