

## JUNE WEATHER HISTORY FOR THE 21ST - 31ST

<http://www.examiner.com/weather-in-wilmington/charlie-wilson>

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[\(Ref. Charlie Wilson Weather History\)](#)

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June 21st:

1791

A hurricane, named, "El Temporal de Barreto" or "The Storm of Barreto", generated a huge wave which carried off the coffin of a rich but hated count as he lay in state in his mansion near Havana, Cuba. The coffin and body were never seen again.

1881

The summit of Mount Washington in New Hampshire was snow covered on the solstice.

1886

A destructive hurricane hit the Apalachicola - Tallahassee area of Florida on the summer solstice. Extensive damage was done in Florida and throughout the southeast by this storm. Damage was due mainly to extremely high tides.

1893

Dodge City, KS and the Central Plains were in the midst of a blistering heat wave. The mercury soared to 106°. The heat wave would precede a three-year drought that severely affected all of the Central Plains. But in the Mississippi Valley, heavy rains were flooding the Mississippi River, causing it to swell to its highest level on record at New Orleans, LA.

1923

The island of Nantucket off Cape Cod had its earliest 90 degree reading and the only one ever in June.

1942

The hottest temperature ever recorded in Asia occurred as Tirat Tsvi, Israel soared to 129°.

1954

A severe hailstorm at Wichita, KS and the surrounding area did \$9 million worth of damage.

1968

Between the hours of 6pm CST on this date and 2am CST on the 21st, a line of severe thunderstorms raced across the state of South Dakota at 60 mph. Winds with the storms exceeded 100 mph in some areas with winds over 60 mph quite common. Many barns, silos, and other farm buildings were destroyed. Many areas also received extensive hail damage with dime to golf ball size hail common and even a few areas were pounded with baseball size hail. At least, nine tornadoes and 11 separate funnel clouds were reported, although more likely occurred...they were probably obscured by darkness in the east and by blowing dust in the west. To that point in the state's history, the night's storms were likely the most damaging on record as they resulted in \$10 to \$15 million dollars in damage.

1972

Hurricane Agnes had been downgraded to a tropical depression as she moved northward through Georgia and the Carolinas. On this date, the storm system emerged over the warm waters of the Atlantic and gained strength. The storm would make landfall again in southeastern New York on the 22nd and then stall over Pennsylvania on the 23rd. The wet storm system was expected to move out into the Atlantic Ocean, but it made an unexpected turn the next day and dumped unprecedented amounts of rain over the Susquehanna Valley.

Phoenix, AZ was drenched with 1.64 inches of rain into early on the 22nd to easily surpass their previous June rainfall record of 0.95 inches. The total for the month was 1.70 inches.

1979

Severe thunderstorms brought high winds and large hail to parts of western and central Oklahoma. Winds gusted to 80 mph near Buffalo, and baseball-size hail pounded Weatherford and Colony. Winds exceeded 100 mph in the Oklahoma City metropolitan area, taking down power lines throughout the city.

1981

A tornado touched down in the Lockhart area near Horseshoe Lake, FL blowing the roof off one house and damaging at least six others. One resident reported hearing a

roaring sound lasting several seconds, then a big boom and trees started cracking. At least two

other tornadoes were reported around the county as widespread severe thunderstorm activity moved across central Florida. Considerable tree damage and widespread power outages were reported. Orlando International Airport was closed for about 30 minutes during the height of a severe thunderstorm when landings and takeoffs were impossible. No injuries were reported. A tornado struck a mobile home park in southeastern Orange County damaging several carports. A third tornado struck a subdivision in northwestern Orange County causing only minor property damage. Another tornado was reported in

Broward County at Deerfield Beach knocking down trees and power lines. Winds to 60 mph were reported at Ft. Lauderdale Beach.

1987

A tornado destroyed 57 mobile homes at the Chateam Estates trailer park northwest of Detroit, MI killing one person and injuring six others. Total damage was estimated at \$1.7 million dollars. Thunderstorms over Lower Michigan also drenched the Saginaw Valley with up to 4.5 inches of rain in less than six hours.

1988

The first full day of summer was a torrid one, with afternoon highs of 100° or above reported from the Northern and Central Plains to the Ohio Valley. 69 cities in the north central U.S. reported record high temperatures for the date. The high of 110° at Sioux Falls, SD was an all-time record for that location. Highs of 109° at Huron, SD, 108° at Sioux City, IA, 103° at Des Moines, IA, 102° at Fort Wayne, IN, and 101° at South Bend, IN were records for June. Austin, MN set their all-time record high with 100°. Other daily record highs included: Aberdeen, SD: 108°, Grand Island, NE: 107°, Lincoln, NE: 107°, Concordia, KS: 107°, Norfolk, NE: 106°, North Platte, NE: 106°, Bismarck, ND: 105°, Valentine, NE: 105°, Rapid City, SD: 103°, Richland Center, WI: 103°, Waterloo, IA: 103°, Elkader, IA: 103°, La Crosse, WI: 102°, Guttenberg, IA: 101°, Milwaukee, WI: 101°, Necedah, WI: 101°, Kansas City, MO: 101°, Chicago, IL: 101°, Moline, IL: 101°, Theilman, MN: 100°, Madison, WI: 100°, Scottsbluff, NE: 100°, Dubuque, IA: 100°, Cresco, IA: 100°, Oelwein, IA: 100°, Hillsboro, WI: 100°, Sparta, WI: 100°, Rockford, IL: 100°, Toledo, OH: 100°, Nashville, TN: 100°, Rochester, MN: 99°, St. Louis, MN: 99°, Peoria, IL: 99°, Evansville, IN: 99°, Paducah, KY: 99°, Green Bay, WI: 98°, Columbia, MO: 98°, Indianapolis, IN: 98°, Grand Rapids, MI: 98°, Lansing, MI: 98°, Columbus, OH: 98°, Dayton, OH: 98°, Louisville, KY: 98°, Lexington, KY: 97°, Waukon, IA: 96°, Mansfield, OH: 96°, Jackson, KY: 95° and Bristol, TN: 94°.

1989

An unseasonably cold storm system dumped late season snow at elevations as low as 7,500 feet in the mountains and foothills west of Denver, CO. Six inches of snow fell at Conifer and 15 inches was reported on the summit of Mount Evans and in Wyoming, 18 inches was reported at Dickens Park, west of Lander.

Heavy rain continued in the eastern U.S. Huntsville, AL reported a record 11.65 inches for the month, compared to the 0.17 inch rainfall total in June 1988.

1998

A thunderstorm produced winds of 100 mph in Harrisburg, in southeast Illinois. Hundreds of trees were uprooted or snapped, with some of these trees as much as five feet in diameter. A few outbuildings were blown off their foundations. The damage path was from ¾ to 1 mile wide, and 4 to 5 miles long.

A nighttime severe storm plowed through central Moscow, Russia during the early morning hours, killing 10, injuring nearly 200 and causing over \$150 million in damage. Traffic was snarled early Sunday due to widespread damage. The event also ignited tensions between the mayor's office and the Russian weather service.

2000

A peak wind gust of 83 mph was reported in Lake Havasu City, AZ from thunderstorm outflow. These winds caused trees and transformers to be blown down and several houseboats were damaged as the strong winds pushed them ashore.

2004

The mercury soared to 92° at Whitehorse in the Yukon Territory Canada. It was the hottest day in over 50 years, breaking the old record by 12°. In addition, the Airport doubled its longest stretch above 87° from 4 consecutive days to eight.

Reykjavik, Iceland is unusually warm as the mercury reached a high of 69°, well above June's average daily high of 54°.

2005

A slow-moving, intense thunderstorm dumped as much as a foot of hail in southeastern areas of Colorado Springs, CO. The city used snowplows to clear the roads. Heavy rainfall associated with the storm flooded city streets with up to 4 feet of water, trapping dozens of motorists.

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June 22nd:

1906

A destructive hailstorm struck the town of Chelsea, VT, covering an area 1 by 10 miles. There were drifts up to two feet deep, and most crops were destroyed.

1919

59 people were killed as an F5 tornado ripped through the town of Fergus Falls, MN. 400 buildings were destroyed. A blank check was found over 60 miles away and lumber was carried 10 miles.

1922

A derecho struck Portage la Prairie in southern Manitoba Canada at 2am. Five people were killed and scores injured. The storm originally identified as a tornado started in the Qu'Appelle Valley the previous evening and traveled through southern Manitoba before dissipating in the Kenora area.

1944

A violent tornado, which touched down in southwest Wisconsin, crossed the border into Illinois, northeast of Freeport. Both states had at least \$1 million damage each. In Illinois, 66 farms lost barns, and 21 homes were destroyed. Two people were killed in Illinois, with seven more in Wisconsin.

1947

Twelve inches of rain fell in 42 minutes at Holt, MO establishing a world rainfall record. That record was tied on January 24-25, 1956, at the Kilauea Sugar Plantation in Hawaii, as their state record was established with 38 inches of rain in 24 hours.

1972

Hurricane Agnes deluged PA and NY State with torrential rains resulting in the most costly flood and one of the greatest natural disasters in U.S. history. Agnes moved onshore as a Category 1 hurricane near Cape San Blas, FL on 6/19 with winds up to 80 mph, and exited Maine on the 26th. There were 122 deaths mainly due to flooding from North Carolina to New York State, making it onto the Deadliest Atlantic Tropical Cyclones on record (At least 25 deaths needed to make this list). Total damage was estimated at \$3.5 billion dollars. In the middle Susquehanna Valley of Pennsylvania, 24 hour rainfall amounts were generally 8 to 12 inches, with up to 19 inches in extreme southwestern Schuylkill County. At Wilkes-Barre, PA the dike was breached destroying much of the town. Agnes caused more damage than all other tropical cyclones in the previous 6 years combined (which included Celia and Camille). The Little Lehigh Creek at Allentown, PA, Little Lehigh Park, PA rose to a record 11.8 feet. Flood stage is 5 feet. The Schuylkill River rose to a record 19.9 feet, with a flood stage of 12 feet at Berne, PA; to a record 31.3 feet, with flood stage at 13 feet, at Reading, PA to a record 30 feet, with flood stage 13 feet, at Pottstown, PA to a record 25.1 feet, with flood stage 17 feet. The barometric pressure at Philadelphia, PA fell to 29.07 inHg, the lowest pressure ever recorded in June.

Agnes produced tornadoes in Florida and flooding up the East Coast. Hardest hit states from flooding included Virginia, Maryland, DC, and Pennsylvania. Even with the storm center passing well off the Delmarva Coast, Agnes managed to drop torrential rain over the region averaging close to 8 to 10 inches over many basins and with as much as 16.65 inches recorded at Washington-Dulles Airport in Virginia just west of Washington, DC. Widespread flash flooding and major river flooding resulted. In Richmond, the James River crested 6.5 feet above the old record flood marks dating back 200 years. Water supply and sewage treatment plants, along with electric and gas plants, were inundated and were partially shut down. Four of the five bridges crossing the James were closed. A 200-block area of downtown Richmond was swamped and closed off for several days. Flooding occurred on the Appomattox River with Farmville suffering its worst flood in history. The Dan River at Danville and the Roanoke River in Roanoke exceeded previous record flood stages set in August 1940. The Shenandoah and the Potomac Rivers flooded as well. Most northern Virginia streams and creeks overflowed their banks during the night, washing out roads and, in some cases, destroying homes. Uninsured homes and a lifetime accumulation of household goods were quickly swept away. Northern Virginia was particularly hard hit. Fairfax County reported an estimated \$25 million damage, by far the largest in the state. Manassas was badly flooded, as was the Occoquan River, which washed out a section of the U.S. Route 1 bridge. In Virginia, a total of 63 counties and 23 cities qualified for federal disaster relief. Dulles Airport outside of Washington, D.C. picked up 12.73 inches of rain including a June record of 10.67 inches on the 21st. There were 13 deaths and \$222 million dollars in damages. Numerous homes were destroyed, 600 roads went underwater and 103 state highway bridges were washed out or damaged. In Maryland and the District of Columbia, heavy rains in less than 24 hours, on the 21st and 22nd, resulted in severe flooding. Maryland's heaviest rains occurred in the north central part of the state where totals set all-time records. Highest total rainfall was 14.68 inches at Westminster and 13.85 inches at Woodstock. Totals of 8 inches or more fell in an area west of the Chesapeake Bay and east of Hagerstown. Baltimore, MD picked up 6.03 inches of rain over two days. 7.19 inches of rain fell over two days from the 21st through this date at National Airport in Washington, D.C. (including a June record of 6.11 inches on the 21st). The 11.55 inches at Westminster and 11.35 inches at

Woodstock on the 21st are among the greatest one-day falls in Maryland history. One-day record rainfalls for Maryland include 14.75 inches at Jewell in July 1897 and 12.61 inches at White Marsh in August, 1971. The previous one-day June record was 6.05 inches at Elkton on 6/27/1938. A 24-hour total of 7.19 inches at Washington National Airport on June 21-22 was second only to the 7.31 inch total of August 11-12, 1928. The heavy rains caused disastrous flash flooding of creeks and streams in Maryland and the District of Columbia. Major flooding followed. The Potomac fed by heavy rains over its entire basin began flooding on the 22nd. At Little Falls, just outside Washington DC, the river crested at 22.03 feet in the early hours of the 24th. Flood stage is 10.0 feet. Meanwhile at Wisconsin Avenue, downtown Washington, a 15.45-foot crest had occurred and persisted for about 8 hours. Along the Monocacy River, a crest of 35.90 feet occurred at Frederick, Maryland. The previous record was 30.0 feet set back in 1889. Flooding also occurred along the Anacostia and Patuxent Rivers and along Seneca and Rock Creeks. Flooding along the Patapsco River broke all existing records. It was the worst flooding that the Baltimore area had ever seen. Near the Pennsylvania border the Susquehanna, which had devastated much of the Keystone State, threatened the Conowingo Dam. Floodwaters covered small towns of Port Deposit and Harve d'Grace below the dam and a wide swath of land on both sides of the river from the dam to the river's mouth at the Chesapeake Bay, some 12 miles away. Floodgates were opened for more than 48 hours and the dam held. Total storm damage in Maryland and the District of Columbia was estimated at \$110 million dollars. There were 21 storm deaths in Maryland and none in the District of Columbia. The following Maryland counties, including Baltimore City, were declared disaster areas: Anne Arundel, Baltimore, Carroll, Cecil, Charles, Frederick, Harford, Howard, Montgomery, Prince Georges and Washington. Along the Chesapeake Bay, the counties named were Calvert, Dorchester, Kent, Queen Anne's, St. Mary's, Somerset, Talbot and Wicomico. Heavy showers brought 1.37 inches of rain to Phoenix, AZ, a record for the month of June.

1981

A young woman from Lubbock, TX was struck by lightning. The bolt of lightning struck just above her right shoulder near her neck, and passed right to left through her body, tearing her warm-ups, causing her tennis shoes to explode, and lifting her two feet into the air.

1986

From the afternoon hours of the 21st into the early morning hours on this date intense thunderstorms produced strong winds, large hail, and heavy rains across southeast South Dakota. Thunderstorms produced winds of 95 mph at Yankton and 93 mph at Vermillion uprooting many trees, snapping power lines, and damaging buildings. In some areas strong winds continued for up to 30 minutes. Large hail, the size of baseballs, tore apart crops across Moody County while rainfall up to 7.5 inches fell in Minnehaha County. The heavy rains led to considerable urban and small stream flooding and damaged many a basement.

1987

Thunderstorms in southern Texas produced wind gusts to 116 mph near Quemado.

Thunderstorms in New York State produced 5.01 inches of rain in 24 hours at Buffalo, an all-time record for that location, and produced an inch of rain at Bath, PA.

The temperature at Fairbanks, AK soared to 92°, establishing a record for the date.

1988

A vicious batch of thunderstorms, unusually strong for the northeastern U.S., hit New York and southern New England. Winds gusted to 81 mph at Schenectady, NY, 74 mph at the Blue Hill Observatory in Milton, MA, and 68 mph at Boston, MA. Thousands of trees were uprooted in the Merrimack River Valley alone in northern Massachusetts. Hailstones two inches in diameter broke windows at Poestenkill, NY. Hail the size of golf balls fell at Chesterfield and Maynard, MA.

Many cities in 24 states reported record high temperatures for the date. Tucson, AZ reported an all-time record high of 114°, surpassing the previous record of 112° established a day earlier. Highs of 98° at Pittsburgh, PA and 100° at Baltimore, MD tied records for the month of June.

Decorah, IA: 101° and Blair, WI: 100° recorded their hottest June temperature.

Other daily record highs included: Phoenix, AZ: 116°, Boise, ID: 104°, Concordia, KS: 103°, Dodge City, KS: 102°, Wichita, KS: 102°, Kansas City, MO: 102°, Lincoln, NE: 102°, Washington, D.C.: 101°, Newark, NJ: 101°, Columbia, SC: 101°, Little Rock, AR: 100°, Evansville, IN: 100°, Paducah, KY: 100°, Columbia, MO: 100°, Atlantic City, NJ: 100°, Philadelphia, PA: 100°, Chattanooga, TN: 100°, Memphis, TN: 100°, Nashville, TN: 100°, Fort Wayne, IN: 99°, Indianapolis, IN: 99°, South Bend, IN: 99°, Sioux City, IA: 99°, Lexington, KY: 99°, Louisville, KY: 99°, Great Falls, MT: 99°, NYC LaGuardia, NY: 99°, Toledo, OH: 99°, Knoxville, TN: 99°, Dulles, VA: 99°, Sheridan, WY: 99°, Wilmington, DE: 98°, Des Moines, IA: 98°, Waterloo, IA: 98°, Detroit, MI: 98°, NYC Central Park, NY: 98°, Cleveland, OH: 98°, Dayton, OH: 98°, Oak Ridge, TN: 98°, Charleston, WV: 98°, Huntington, WV: 98°, Casper, WY: 98°, Dubuque, IA: 97°, Chicago, IL: 97°, Jackson, KY: 97°, Akron, OH: 97°, Cincinnati, OH: 97°, Columbus, OH: 97°, Harrisburg, PA: 97°, Williamsport, PA: 97°, Peoria, IL: 96°, Madison, WI: 96°, Springfield, MO: 95°, Mansfield, OH: 95°, Bristol, TN: 95°, Syracuse, NY: 94°, Erie, PA: 94°, Rochester, NY: 93°, Avoca, PA: 93°, Binghamton, NY: 91°

and Islip, NY: 91°.

1989

Record cold temperatures were reported in the High Plains Region. Rapid City, SD reported a record low of 39°, in sharp contrast to their record high of 102° two days earlier.

1992

Record cold prevailed in the eastern U.S. with many low temperature records for the date tied or broken. Indianapolis, IN dipped to 37° to set a new all-time record low temperature for June and the coldest summer temperature ever. At Muskegon, MI the temperature plummeted to 32°. It was the latest freezing temperature on record there. In sharp contrast, it was a furnace in the Pacific Northwest with Eugene and Medford, Oregon setting new all-time record high temperatures for June with 102° and 111° degrees, respectively.

1993

Measurable rain would fall every day from the date until July 25th somewhere in Iowa. The highly unusual weather pattern that produced this nearly continuous rainfall would result in the greatest flood in U.S. history as 15% of the contiguous United States was affected. It would be one of the United States most costly natural disasters ever along with Hurricane Andrew of 1992.

2000

A slow moving thunderstorm dumped over an inch of rain in Needles, CA causing roads throughout much of the town to become flooded. The Sheriff's office reported that many roadways were covered with debris. Power was also knocked out to much of the town for the majority of the night.

A fierce thunderstorm damaged a hanger at Barstow-Daggett Airport and knocked out electricity for runway lights. The wind tore a 50-foot-long section of vent cap from the roof of a World War II vintage hanger and caused several power lines to fall, cutting power to the two airport runways.

2003

Severe thunderstorms produced giant hail, flooding and tornadoes across parts of Nebraska. A stationary supercell thunderstorm sat over Thayer County, NE for several hours, producing at least four tornadoes and flooding. One of the tornadoes passed near the town of Deshler about 6:45 p.m. A second tornado scored a direct hit on the town, killing one man.

The largest hailstone ever recovered in the United States fell in Aurora, NE, with a record 7 inch diameter and a circumference of 18.75 inches. The previous record hailstone fell in Coffeyville, Kansas on September 3, 1970 with a diameter of 5.7 inches and a circumference of 17.5 inches.

The mercury peaked at 95° in Moosonee, Ontario Canada; located on the southern tip of James Bay. This was the hottest June day ever recorded.

2005

Thunderstorms developed over Clark County around 2 AM and continued throughout southern Nevada and southeast California until 8 PM. An estimated 13,000 lightning strikes were recorded which led to several hundred wildfire starts. Many of these fires burned themselves out over time, but 15 significant complexes burned for several days. Over 750,000 acres were burned and 7 Incident Management Teams were deployed. The last fire from this day was extinguished on July 10th.

2007

The first officially documented F5 tornado in Canada struck the town of Elie, Manitoba population 500 people. Video of the storm showed a heavy van being whirled through the air. The tornado also tossed an almost intact house several hundred yards through the air before it disintegrated. The tornado traveled across the landscape for about 35 minutes covering 3.4 miles and leaving a damage path 984 feet wide. Wind speeds in the tornado were later estimated at 260-316 mph. Fortunately, no fatalities or serious injuries were reported.

Afternoon temperatures sizzled at 104° at Athens, Greece and 113° on the Island of Rhodes.

2009

Record highs were set across the sunshine state with Vero Beach, FL leading the record heat parade with a record high of 102° and a heat index of 111°. Elsewhere, Tallahassee hits 103°, Daytona and West Palm Beach, 96° and Miami 98°.

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NO June 23rd

June 24th:

1816

The cold weather of early June finally gave way to several days of 90 degree heat in Massachusetts, including a reading of 99° at Salem. This is a brief respite from "The Year Without a Summer".

1904

A tornado hit the Karacharov Village area in Moscow, Russia killing 24 people.

1929

A hailstorm at Durban, South Africa, produced hail the size of baseballs. The noise produced by the storm was described as sounding like "machine gun fire".

1946

11.72 inches of rain fell at Mellen, WI during a 24 hour period. This is the greatest 24-hour precipitation total ever recorded in the state. There was flooding on the Bad and White Rivers.

1951

12 inches of hail broke windows, roofs, and dented automobiles, causing more than \$14 million dollars damage at Wichita, KS. The storm plowed 200 miles from Kingmand County Kansas into Missouri, with the Wichita area hardest hit. It was the most disastrous hailstorm on record for the state of Kansas.

1952

Thunderstorms produced a swath of hail 60 miles long and 3.5 miles wide through parts of Hand, Beadle, Kingsbury, Miner and Jerauld counties in South Dakota. Poultry and livestock were killed, and many people were injured.

1954

Hurricane Alice formed in the northern Bay of Campeche and moved northwest making landfall on the 25th and flooded the Lower Rio Grande Valley of Texas with up to 27 inches of rain. The U.S. 90 roadway was 30 feet below high water.

1957

On the basis of meteorological data and a radio report from a shrimp boat, the Weather Bureau in New Orleans issued the first advisory on a tropical depression in the Bay of Campeche at 10:30pm. The depression was located 300 miles south of Brownsville, TX. The storm would become Hurricane Audrey, moving northward over the next three days and striking near the Louisiana/Texas border causing extreme damage and loss of life.

Palm Springs, CA hit 121°, equaling their highest temperature for June (6/26/1957 & 6/29/1994).

1960

A tornado at Schenectady, NY destroyed 16 homes with over 300 homes suffering major damage.

1967

Sheridan, WY fell to 32°, their latest freeze on record; the high temperature the previous day was only 47°.

1972

A rare eastward moving tornado raced through Maniaki, Quebec Canada. The twister was spawned amid the remnants of Hurricane Agnes.

1975

An Eastern Airlines Boeing 727 crashed at JFK airport in New York City. 113 of the 124 people on board the aircraft died. Researcher Theodore Fujita studied the incident and discovered that the crash was caused by a microburst. His research lead to improved air safety. The tower never experienced the microburst, which was held back by a seabreeze front. The plane crashed 2,400 feet short of the runway.

1980

From this date through July 5th, Wichita Falls, TX set record high temperatures each day. Those records have yet to be exceeded. On 11 consecutive days during this period, the temperature rose to at least 110°. Readings exceeded 113° on seven days. During the entire summer, the temperature rose above 100° on 79 days, which is also a record. Heat waves and drought often occur together, and 1980 was no exception. June 1980, with only 0.26 inches of rain, was the driest June since 1933, and the combination of June and July 1980 was the driest June-July period ever recorded in the city.

1987

Thunderstorms spawned six tornadoes in eastern Colorado. Baseball size hail was reported near Yoder, CO, and thunderstorm winds gusting to 92 mph derailed a train near Pratt, KS. The town of Gould, OK was soaked with nearly an inch and a half of rain in just 10 minutes.

1988

Many cities reported record high temperatures for the date. Valentine, NE reported an all-time record high of 110°, and highs of 102° at Casper, WY, 103° at Reno, NV, and 106° at Winnemucca, NV were records for the month of June. Highs of 98° at Logan, UT and 109° at Rapid City, SD equaled June records.

Lightning struck a field at Conway, SC killing 21 cows.

1989

Thunderstorms developing along a warm front produced severe weather from Colorado and New Mexico to Kansas and Nebraska. Thunderstorms spawned seven tornadoes, and produced wind gusts to 80 mph at Wood River, NE, and hail three inches in diameter at Wheeler, KS.

1991

3.50 inches of rain fell in 28 minutes at Scranton, ND. There were also 1.5 foot drifts of marble size hail. Front end loaders were needed to clear the streets.

1992

A tropical depression in the southeastern Gulf of Mexico produced periods of heavy rainfall over southwest and west central Florida from this date through the 30th. Four-day rainfall totals (25th-28th) of as much as 25 inches were recorded, with 8 to 14 inches common. The heaviest rain fell over Manatee and Sarasota Counties causing widespread river and small stream flooding of homes and roads. 70 homes were destroyed by floodwaters, and the combination of winds, waves and tides led to significant beach erosion and undermining of seawalls in some locations. Two flood-related deaths occurred on the 29th - a man drowned in his flooded front yard in Manatee County and a man was crushed to death between two gasoline storage tanks dislodged by floodwaters at an auto service shop in Charlotte County. All-time record flood crest on the 29th at Myakka St. Park on the Myakka River. Flood waters did not fully recede in some areas until the end of June.

1994

Australia's coldest night on record occurred as the town of Charlotte Pass in New South Wales dropped to -9°.

1996

Severe weather pounded much of the Mid Atlantic Coast with Washington D.C. especially hard hit. Numerous reports of tornadoes, funnel clouds, damaging winds, large hail and heavy rain were reported. Tornadoes were reported in Upperville, Middleburg, Manassas, Centreville and Fairfax City, VA. There were numerous reports of downed trees and damage to structures across Northern Virginia and the Eastern Shore area of Maryland.

1997

Charleston, WV, finally hit 90° for the first time this year. The last 90-degree day was back on 5/19/1996, totaling 400 days in which it stayed below 90°. That is their longest stretch this century between 90 degree days.

1998

An unusually damaging wind event occurred during the late night and early morning hours in southwestern Iowa. Winds were sustained at 30-50 mph for over an hour at several locations, including Creston, Shenandoah, Clarinda and Red Oak, IA. Shenandoah, IA reported a gust to 80 mph. Two factors are surmised to have caused the event. First, light showers had moved through the area left lots of hot, dry air aloft between 4,000-10,000 feet. When rain fell through the dry air, it cooled, which made it heavier and resulted in strong downdrafts and high winds. Secondly, winds between 600-5,000 feet were quite strong and the momentum of these winds dropped to the surface causing higher winds. The wind event was accompanied by dramatic rises in temperature.

The Davis-Beese Nuclear Power plant on the shores of Lake Erie in western Ohio was shut down automatically as a tornado broke power lines. 30 people were injured in the Green Cove Resort area.

2002

The Missionary Ridge wildfire was visible from downtown Durango, CO as the fire continued to burn out of control northeast of the city. Local residents praying for rain would be rewarded a few days later as monsoonal moisture brought some rain to the parched area. The fire would eventually burn nearly 75,000 acres, making it the second largest wildfire in Colorado history.

2003

A large F4 tornado destroyed the community of Manchester, SD. It was part of a swarm of nearly 60 tornadoes that touched down across eastern South Dakota. An armored camera placed in the path of the tornado by the National Geographic Society was blown nearly 500 feet and destroyed. Very little usable video was recorded. Meanwhile, researcher Tim Samaras deployed a measurement probe just 70 seconds before the twister struck it. The probe measured a pressure drop of 100 millibars, the largest ever recorded.

An unusually strong early summer low pressure system in the Rockies dumped up to a foot of wet snow over the western mountains of Wyoming and parts of Yellowstone National Park. The snow fell at elevations above 8,000 feet.

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June 25th:

1749

A general fast was called on account of drought in Massachusetts. It was the year of the famous dry spring in which fields and villages burned.

1925

The mercury hit 101° at Portland, OR, their earliest 100 degree reading on record.

1953

The temperature at Anchorage, AK soared to 86°, their hottest reading on record.

1954

Quincy, IL soared to 105°; their hottest temperature on record.

1957

At noon, the tropical depression in the southwest Gulf of Mexico was upgraded to Hurricane Audrey. Air Force reconnaissance investigating Hurricane Audrey over the southwest Gulf of Mexico found a central pressure of 973 millibars. Audrey would eventually achieve Category 4 status; the strongest in the Atlantic Basin in June, before devastating the Cameron, LA area on the 27th.

1967

Two of the most powerful tornadoes ever to strike The Netherlands touched down at Chaam and Tricht killing six people and injuring at least 18 others.

1980

The high of 114° established the all time high at Liberal, KS. It was tied 6/10/1981.

1981

Late afternoon violent thunderstorms moved across the region. Allentown, PA recorded a gust to 77 mph, with quite a few roofs blown off, chimneys toppled, windows blown in, several barns blown over, and innumerable trees felled. Power was interrupted to almost 100,000 customers, some without power for several days. Heavy rain caused flooding and mudslides. Philadelphia, PA received 1.91 inches of rain.

1983

A quarter of an inch of early summer snow was reported near the towns of Sharon and Hartford in the higher terrain of central Vermont.

1987

Afternoon highs of 111° at Redding, CA, 107° at Medford, OR and 97° at Miami, FL were new records for the date. At Miami, it was the third of six straight days of record heat.

Thunderstorms produced wind gusts to 70 mph at Austin, TX, and gusts to 75 mph at Tulsa, OK.

1988

Many cities in the central and eastern U.S. reported record high temperatures for the date. Highs of 100° at Erie, PA, 104° at Cleveland, OH and South Bend, IN established all-time records for those locations. Until this date, Erie, PA, was one of the few non-mountainous spots in the lower 48 states that had never reached 100°. Today's high of 100° broke Erie's previous all-time record of 99° set back on 9/3/1953. Erie's records date back to 1873. Highs of 101° at Flint, MI, 105° at Chicago, IL, and 106° at Fort Wayne, IN equaled all-time records. Owen, WI set their all-time June record high with 94°.

In Ontario, Canada, all-time records were set as the mercury soared to 104° at Windsor and 101° at London.

Thunderstorms in Idaho produced wind gusts to 100 mph west of Bliss and north of Crouch, injuring 29 people.

1989

Tropical depression Allison, the remnants of what was earlier Hurricane Cosme from the Pacific Ocean which dissipated as it crossed northern Mexico, began to spread heavy rain into southeast Texas and southwest Louisiana.

1990

Borrego Springs, CA hit 122°; their hottest temperature on record. Phoenix, AZ set a daily record high of 120°.

1994

Blistering heat prevailed across the southwest deserts as many daily record highs were set including: Yuma, AZ: 119°, Tucson, AZ: 115° and Winslow, AZ: 103°.

1998

Melbourne, FL set a record high temperature for the 15th consecutive day with 96°. By the end of

June, 22 record highs were set.

2008

Thunderstorms deluged northern Missouri and sections of central Illinois with 6 to 8 inches of rain. Linneus, MO was hardest hit with 8.61 inches while nearby Ethel reported 7.88 inches and Gallatin 6.80 inches.

2009

A series of powerful thunderstorms developed during the late morning and afternoon spawning tornadoes in the Avon area north of Aylmer and in the Leamington area not far from Windsor across southwestern Ontario Canada. The Avon tornado was rated an F2.

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June 26th:

1888

Residents of New York City suffered through a record heat wave. Daily average temperatures were above 80° for 14 straight days. The heat wave was a sharp contrast to the severe blizzard in March of that year, which buried the city under nearly two feet of snow.

1930

Lightning struck the John B. King drillship in the St. Lawrence River, igniting a storage of dynamite onboard. The resulting explosion killed 30 people and injured 11 others.

1931

The temperature soars to 92° at Anchorage, AK, their hottest reading of record to date.

1933

A hailstorm swept a path of destruction 12 miles wide and 40 miles long across eastern Saskatchewan, Canada.

1954

Under calm winds and a bright sunny sky a killer wave rose suddenly from a placid Lake Michigan sweeping 8 unsuspecting fishermen off a breakwater to their deaths. The water level at Montrose Harbor surged more than 10 feet within a few minutes. The "seiche" was caused by an earlier squall on the lake.

1957

Residents of Cameron, LA went to bed believing that they had plenty of time to evacuate the following morning in advance of what was then Category 2 Hurricane Audrey. Official bulletins from the U.S. Weather Bureau stated that the storm would not come ashore until late the next day. They would be very surprised the next morning to find water covering much of their parish as a 12 foot storm surge was already impacting the area and the center was just offshore. Also, Audrey had intensified rapidly during the night, with the central pressure dropping 35 millibars from the last reconnaissance fix during the day. Winds correspondingly increased to 145 mph and the storm surge rose from an expected 5 to 8 feet to a devastating 12 feet and higher. Additionally, the forward movement of the hurricane increased from 6 to 15 mph, and residents were told that the hurricane would not strike until the following afternoon. 390 people died and another 192 were missing.

The high temperature at Palm Springs, CA hit 121°; tying their highest temperature set on 6/24 & 6/29/1994.

1959

The Weather Bureau installed its first WSR-57 Weather Radar at Miami, FL.

1961

This was the 10th consecutive day of temperatures in Las Vegas, NV reaching 110° or hotter making this the longest on record.

1977

"The Human Lightning Conductor", park ranger Roy C. Sullivan was struck by lightning for the seventh time. He was first hit in 1942, then again in 1969, 1970, 1972, 1973 and 1976.

1980

Strong thunderstorm winds caused hundreds of thousands of dollars of damage across central and eastern South Dakota. Severe weather was widespread across the east during this outbreak with high winds doing the most damage. Severe storms with winds over 60 mph were reported in at least 10 separate counties. The hardest hit area was Mitchell where 100 mph winds slammed into the city wiping out trees, blowing out windows, and damaging the airport. Damage in Mitchell alone exceeded \$200,000 dollars.

Several locations across the Plains endured record breaking heat including: Dallas (DFW), TX: 113°, Wichita Falls, TX: 113°, Dallas (Love Field), TX: 112°, Wichita, KS: 109°, Waco, TX: 107°,

Grand Junction, CO: 106, Houston, TX: 102°, San Antonio, TX: 102°, North Platte, NE: 101°, Corpus Christi: 100° and Victoria, TX: 100°.

1983

Two days of severe thunderstorms battered much of western north Texas on this date and the 27th. On this date, winds stronger than 60 mph toppled a wall in a historic building in Vernon. The next day, 85 mph winds blew through Chillicothe, while a tornado passed just north of the town. The winds also blew down two miles of power lines near Odell, and destroyed a drive-in movie theater in Seymour.

1985

The latest snowfall on record in the state of South Dakota occurred on this date in the Black Hills. Portions of the Black Hills received amounts from a trace to a 1 inch accumulation at O'Neill Pass.

A spectacular waterspout over the south end of the Great Salt Lake, UT was visible for 20 miles. It lasted four minutes.

1986

Hurricane Bonnie made landfall on the upper Texas coast. A wind gust to 98 mph occurred at Sea Rim State Park. Ace, TX recorded a total of 13 inches of rain.

1987

Hot weather prevailed in the Pacific Northwest. Afternoon highs of 111° at Redding, CA, 103° at Medford, OR and 88° at Seattle, WA were records for the date.

Cloudy and cool weather prevailed in the northeastern U.S. The high at Boston, MA was just 60°.

1988

Several cities in the north-central U.S. reported record high temperatures for the date. In Montana, the record high of 102° at Billings was their 15th of the month, and the high of 108° at Glasgow equaled their record for June. Miles City, MT set their record high for June with 106°.

Thunderstorms in the Atlantic Coast Region produced wind gusts to 102 mph at Tall Timbers, MD. Lightning struck a main transmission line at Sandwich, MA which knocked out power to all of Cape Cod's and Martha's Vineyard 140,000 customers for up to six hours.

1989

Thunderstorms produced severe weather from the Central Plains to the Middle Mississippi Valley. There were 129 reports of severe weather during the day and night. Thunderstorms in Kansas produced wind gusts to 90 mph at Liberal, and hail 4 inches in diameter at Quinter. Thunderstorms in Wisconsin spawned a tornado at Lake Delton injuring 4 people. Lightning struck and killed a woman at Junction City, KS when she got out of her car to photograph the lightning.

1990

Unseasonably hot temperatures occurred across from the western Plains across to the southwest portions of the nation. 122° was recorded both in Phoenix and Yuma, AZ. 107° was reached in Amarillo, TX and Tucson, AZ checked in with a high of 117°. Lander, WY set a record high with 99°.

1993

A very unstable air mass was situated over the upper Midwest. Thunderstorms developed over eastern Nebraska that afternoon and moved eastward into Iowa. Large hail was frequent with these storms. Two miles northwest of Little Sioux, golf ball size hail completely covered the ground and strong winds caused this hail to drift. The most significant hail damage occurred in Shelby County. Here, a thunderstorm dropped golf ball to softball size hail in a swath about two miles wide and 20 miles long. Baseball size hail covered the ground six miles north of Harlan. Reports of 75% crop destruction were common within this hail swath.

1994

Searing heat was prevalent across the southwestern U.S. as a huge 600 decameter 500 millibar high pushed temperatures to record levels. Albuquerque, NM hit 107°, for its hottest temperature ever. The same record was set at Lubbock, TX with 111°. Both Midland and El Paso, TX reached 112°, to both tie their hottest temperatures on record. Escondido, CA hot 105° tying their hottest temperature for June (6/18/1957 & 6/11/1979). Daily record highs included: Roswell, NM: 111°, Denver, CO: 104°, Grand Junction, CO: 104°, Colorado Springs, CO: 98°, Alamosa, CO: 95°, Death Valley, CA had a morning low of 102°.

1996

In two separate incidences in Florida, severe thunderstorm winds overturned a small aircraft at both Vero Beach Municipal Airport and Ft. Pierce Airport, where wind gusts to 81 mph were recorded.

1998

Severe thunderstorms crossed the Niagara Frontier, the western southern tier and eastern Lake Ontario Region in New York during the early morning hours. The thunderstorms produced large hail and damaging winds which downed trees and power lines. One-inch hail fell in Batavia. Wind damage was reported in Sodus, Castorland, North Tonawanda, Alden and Collins. The damage from thunderstorm winds paled in comparison to the damage resulting from the flash floods the thunderstorms produced. Five to six inches of rain fell in a 200 square mile area sending small streams out of their banks causing several million dollars worth of property damage in the Villages of Arcade and Gowanda. Cattaraugus Creek rose faster than any time in memory and crested two feet over flood stage. This surge caused many boats to break loose from their moorings at the mouth of the creek at Sunset Bay and over a hundred boats were shoved out into Lake Erie and wrecked. Erie, Wyoming and Cattaraugus counties were declared state and federal disaster areas. In Arcade, 37 were rescued from treetops and rooftops by the Water Rescue Team. Over 130 homes were damaged in Arcade.

1999

15 inches of rain fell, most of it between 9pm and midnight, over the Schriever, LA area as thunderstorms continuously redeveloped and "trained" over the same areas. Roads were underwater and about 100 homes were damaged.

The most damaging hailstorm to ever strike Cheyenne County, Wyoming occurred. Hail up to baseball size and winds up to 80 mph devastated much of the western part of the county. Damage to property and crops exceeded \$26 million dollars.

2002

Phenomenal flash flooding struck Fort Wayne, IN as thunderstorms developed and re-developed directly over the city for several hours during the evening. Times Corner reported 8 inches of rain in three hours. Spy Run Creek rose 9 feet in 8 hours to an all-time record level of 12.3 feet. Three inches of rain fell in 90 minutes.

2007

The hottest day during a heat wave across Greece sent the thermometer to 115° in two towns. In Athens the afternoon temperature soared to 109°. Five people died in southern and central Greece from the heat.

In Catania in eastern Sicily, the afternoon temperature hit 108°.

2008

During the evening hours, a compact upper level low pressure system tracking through the Northern Plains interacted with a very moist and unstable air mass over western and central South Dakota resulting in a widespread severe weather outbreak. Three confirmed tornadoes occurred briefly in western Dewey County. Little or no damage was reported and all three tornadoes were rated EF0. In addition to the tornadoes, multiple reports of large hail were received over Corson and Dewey Counties, including some to the size of baseballs near the communities of McLaughlin and Isabel. The large hail broke out many home and vehicle windows and damaged many roofs in Dewey, Corson, and Sully Counties. Significant wind damage occurred over sections of Sully County. There were multiple reports of wind gusts in excess of 70 mph, with the most concentrated swath of damaging winds extending from near Sutton Bay, eastward to the city of Onida, then southeast to the community of Harrold. The storm survey began near Sutton Bay on Lake Oahe, where a wind gust of 92 mph was recorded. The most significant property damage was found further east near the community of Agar where multiple grain bins were either damaged or destroyed. Nine miles west of Agar, a barn was destroyed and a large pine tree was snapped in half. Winds in this area were estimated to range from 80 to 100 mph. Close to the intersection of Highways 1804 and 175th street several Western Area Power Administration (WAPA) electrical transmission towers were completely collapsed. This is consistent with wind speeds ranging from 130 to 140 mph. In the city of Onida, a bank roof was damaged and the city was without power until the next day. Four miles north of Onida, a feed wagon was tossed nearly 40 feet. In Harrold, several railroad cars were tipped over. Also of great significance during the event was the peak wind speed of 124 mph recorded at the Onida airport. This wind speed is the strongest wind gust ever measured in the Aberdeen County Warning Area and the 4th strongest wind speed ever reported in South Dakota.

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June 27th:

1901

Fish fell from the sky at Tiller's Ferry, SC during a thunderstorm. According to the Monthly Weather Review, hundreds of fish could be spotted swimming between the rows of cotton.

1915

The temperature at Fort Yukon, AK soared to 100° to establish a state record.

1927

The highest minimum temperature was recorded at Palm Springs, CA; as the overnight low dropped to just 97°.

1934

Record heat occurred across the Midwest. Locations setting record June high temperatures included: Fayette, IA: 108°, Charles City, IA: 105°, Grand Meadow, MN: 105°, New Hampton, IA: 105°, and Rochester, MN: 105°.

Other daily record highs included: Waterloo, IA: 107°, Sioux City, IA: 104°, Peoria, IL: 104°, Springfield, IL: 104°, Des Moines, IA: 102°, Dubuque, IA: 102°, Moline, IL: 102°, Sioux Falls, SD: 101° and Indianapolis, IN: 100°.

1947

The Netherlands recorded their hottest June day on record when the high reached 101° in Maastricht.

1951

Shortly after midnight a tornado struck the northern part of Wakeeney, KS killing 4 people and completely destroying 45 homes. Around 60 more homes were heavily damaged. The loss was estimated at nearly \$2 million dollars.

1952

Lodgepole, CA received 0.2 inches of snow pushing the seasonal snowfall total to 522.9 inches; making it their snowiest winter ever. This is also the latest snow has fallen there.

1955

A strong tornado moved through Scottsbluff along a 26 mile track. 25 people were injured with 2 fatalities. Damage was about \$250,000 dollars, significant for that time.

1957

Hurricane Audrey strengthened rapidly just before landfall on the Gulf Coast near Cameron, LA on the Texas/Louisiana border. The storm's central pressure dropped from 973 to 930 millibars in just five hours with winds reaching 150 mph. Oil rigs off the Louisiana coast reported wind gusts to 180 mph. The hurricane generated a storm surge of at least 12 feet. 390 people died in Louisiana with another 192 were reported missing. The loss of life was the greatest in the United States since the 1938 Hurricane in New England. Areas as far as 25 miles inland were inundated by the tides. A brick courthouse and cement block icehouse was the only structures standing in Cameron after the hurricane. Just four buildings were left standing in Crede. A 78 ton fishing boat was tossed up and onto an offshore oil drilling platform. 14 people were injured in tornadoes in Alabama after landfall. The storm then affected the south-central United States as a powerful extra-tropical storm. In its wake, Audrey left \$1 billion dollars in damage and at least 419 fatalities. Citizens brought an unsuccessful lawsuit against the U.S. Weather Bureau for not warning them properly, since forecasts the night before were for a much weaker and slower moving hurricane.

1972

Richmond, VA recorded its worst flood on record from the remnants of Hurricane Agnes. The water level at the city locks reached 36.5 feet, considerably higher than the 1771 level of 30 feet.

1987

Thunderstorms moving out of Nebraska produced severe weather in north central Kansas after midnight. Thunderstorm winds gusting to 100 mph damaged more than 50 camping trailers at the state park campground at Lake Waconda injuring 16 people. Thunderstorm winds gusted to 80 mph at Beloit and Sylvan Grove.

1988

The afternoon high of 107° at Bismarck, ND was a record for the month of June, and Pensacola, FL equaled their June record with a reading of 101°. Other daily record highs included: Rapid City, SD: 102° and Williston, ND: 101°.

In contrast, temperatures in the Great Lakes Region and the Ohio Valley dipped into the 40's. Flint, MI to 44° and Toledo, OH dropped to 45°; both record lows for the date.

1989

Thunderstorms produced severe weather from the Ohio Valley to western New England. Thunderstorm spawned six tornadoes, and 98 reports of large hail or damaging winds.

Tropical Storm Allison spawned six tornadoes in Louisiana, injuring two people at Hackberry. Fort Polk, LA was drenched with 10.09 inches of rain in 36 hours, and 12.87 inches was reported at the Gorum Fire Tower in northern Louisiana.

1990

A series of severe thunderstorms ripped across Lake, Lincoln, and Minnehaha counties in southeast South Dakota. The storms produced some of the most widespread damage from wind and hail that the area had seen in several years. Damage to property in Sioux Falls and surrounding areas was considerable. In Sioux Falls, two houses were destroyed and another 150 houses and numerous businesses received significant damage from strong winds. In Colton, SD several homes and businesses lost windows due to hail and strong winds. Lightning caused a fire which burnt a home

to the ground in Crooks, SD. Total damage from the storms exceeded \$10 million dollars. Fortunately for residents of southwest Minnesota the storms decreased in strength as they crossed the state line.

Record heat continued in parts of the Rockies to the southwest. Many locations recorded record high temperatures for the date including Borrego Springs, CA: 119°, Yuma, AZ: 119°, Phoenix, AZ: 118°, Tucson, AZ: 112°, Santa Ana, CA: 104°, Escondido, CA: 103°, Denver, CO: 102° and San Diego, CA: 91°.

1991

A record warm night occurred in Minneapolis, MN as the low temperature fell to just 79°. The normal high temperature for this date is 81°.

1992

A severe thunderstorm dumped one to two feet of marble to golf ball size hail at Holyoke, MA. The hail lasted for 25 minutes and drifts reached three feet.

A line of severe thunderstorms moved across southwestern Kansas. Large hail, damaging winds, and flash flooding occurred across the area. A tornado was reported 8 miles west southwest of Dodge City. Rainfall amounts of five to six inches were reported in some counties. Softball size hail blew out windows and screens of a building 3 miles south of

Cimarron.

A supercell thunderstorm produced five tornadoes over Hutchinson, Carson and Moore counties in Texas, including an F4 which did \$35.4 million dollars in damage as it tore through Fritch. A resident of Fritch videotaped as the huge multiple vortex tornado approached, and kept the tape rolling until the tornado was practically on top of him. He survived, with the tape intact. The tape showed one of the most graphic and breathtaking displays of tornadic devastation ever recorded.

1994

The big heat continued in the southwestern U.S. Lakewood, NM hit a scorching 119° to set a record. Pilot Plant east of Carlsbad in southwest New Mexico set the state's all-time high temperature record as they hit 122°. Afternoon highs of 119° at Quanah, TX, 116° at Midland, TX, 114° at Lubbock, TX and Roswell, NM, and 113° at El Paso, TX set new all-time records for those locations. The mesonet station four miles south of Tipton, OK hit 120°, to tie the state record high temperature. Other daily record highs included: Victorville, CA: 109°, Abilene, TX: 109°, Albuquerque, NM: 104° and Palomar Mountain, CA: 94°.

1995

It was a wet day in portions of the sunshine state. 8.65 inches of rain fell in Gordonsville, FL.

1998

An intense squall line developed over Minnesota and moved into Wisconsin, producing extensive wind damage. Winds in excess of 100 mph struck Monroe County, Wisconsin as the line of thunderstorms passed.

1999

A severe thunderstorm produced hail as large as baseballs in and around Scottsbluff, NE. 25 people were reported injured mainly from broken glass with damage estimated from \$55 to \$60 million dollars.

2002

After reaching 93° the previous day, the mercury soared to 91° at Edmonton, Alberta Canada causing the city to cancel Canada Day fireworks for the first time due to tinder-dry conditions in urban ravines and woodlots.

2003

France recorded its hottest June day on record as the temperature reached 107° in Lezignan-Corbieres.

2004

Tropical Storm Tingting deluged the island of Guam with 16 inches of rain, shattering the daily rainfall record of 3.16 inches set in 1962.

2007

Cold and snowy weather affected much of South Africa dropping as much as 10 inches of snow on parts of the country. In Johannesburg, this was their first significant snowfall since 1981. One fatality was attributed to the cold.

2009

On this date through the 30th, in the Siberian "pole of cold", Verkhoyansk, one of two coldest permanent settlements on Earth, recorded four-straight days of highs 88° to 90°. Nearby in the

city of Yakutsk, the high hit 90°.

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June 28th:

1788

The Battle of Monmouth in central New Jersey was fought in sweltering heat. The temperature was 96° in the shade, and there were more casualties from the heat than from bullets.

1865

24 people were killed by a tornado which cut a 40 mile swath through Southwest Wisconsin.

1892

The temperature at Orogrande, UT; just outside of St. George soared to 116° to establish a record for the state.

1924

An F4 tornado hit Sandusky, OH then moved eastward across Lake Erie to strike Lorain, OH. 15 of the 64 deaths at Lorain occurred in the State Theatre, where a silent film was being shown. The tune "Sacrifice" was being played on the piano when the twister struck. The tornado produced a massive wave on Lake Erie. 85 people were killed and total damage was \$12.5 million dollars.

1954

The record high temperature was set for the state of South Carolina. The temperature reached 111° at the town of Camden.

1957

On this date through the 29th, the remnants of Hurricane Audrey combined with another area of low pressure over the Lower Lakes region and produced one of the worst June storms of record and established a new record low sea-level pressure of 29.04 inHg for the month of June. Heavy rains totaled 1.73 inches in 24 hours. The resulting gale on the 29th caused some of the worst damage to power lines in 30 years. One man was killed by a falling wire. Minor tree and crop damage resulted from the winds and rains.

In extreme east central Illinois, the town of Paris, in Edgar County, reported 10.20 inches of rainfall. This was a major contributor to a record June rainfall total of 17.65 inches, as well as a record year total of 61.59 inches. Weather records in Paris began in 1893.

1960

Kentucky registered their record maximum 24-hour precipitation as 10.41 inches of rain fell at Dunmore.

1968

Unseasonably heavy snow from the Cascades to the Northern Rockies, with 3 inches at Odell Lake, OR, and 2 inches at Mt. Rainier, WA through the 29th. Snow fell at Jackson, WY through the next day, with 8 inches at Mystic Lake, MT (elevation 6,558 feet). Some western Wyoming roads above 9,000 feet were closed for several hours.

1975

Lee Trevino and two other golfers were struck by lightning at the Western Open golf tournament in Oak Brook, IL. Lee was almost killed and required back surgery. He still lives with discomfort today.

1976

The temperature reached 96° in Mayflower Park, Southampton England for the warmest temperature ever for the month of June in England.

1980

The temperature at Wichita Falls TX soared to 117°, their hottest reading on record (later tied 6/27/94 & 6/25/2011. Daily highs were 110° or above between June 24th and July 3rd. Other daily records included: Dallas (DFW), TX: 112°, Dallas, TX: 110°, Abilene, TX: 109°, Lubbock, TX: 108°, Waco, TX: 106°, Oklahoma City, OK: 105°, San Antonio, TX: 103°, Houston, TX: 101°, Los Angeles (LAX), CA: 98°, Los Angeles (Downtown), CA: 98° and San Diego, CA: 95°.

1987

Thunderstorms developing along a cold front produced severe weather in the north central U.S. Thunderstorms in Nebraska produced wind gusts to 70 mph and baseball size hail at Arapahoe, and wind gusts to 80 mph along with baseball size hail at Wolback and Belgrade.

Several cities in the Ohio Valley reported record low temperatures for the date, including Cincinnati, OH: 50° and Dayton, OH: 52°.

1988

Showers and thunderstorms brought much needed rains to parts of the central U.S. Madison WI

received 1.67 inches of rain, a record for the date, and their first measurable rain since the Mother's Day tornado outbreak on May 8th.

1989

Evening thunderstorms deluged Winnfield, LA with 11 inches of rain in 4 hours and 15 minutes, and Baton Rouge, LA reported 11 inches of rain in two days. Totals in west central Louisiana ranged up to 17 inches.

Thunderstorms produced severe weather in the northern Plains. Two inch hail broke windows in nearly every building at Comstock, NE. Thunderstorms in North Dakota produced two inch hail at Killdeer, and golf ball size hail at Zap.

1990

Thunderstorms moved into northwestern Iowa with high winds and hail. Winds near 100 mph caused tremendous damage in the Everly area, snapping numerous power poles. 60 to 65 mph winds were very common with these storms across northwest Iowa. In O'Brien County, 3 inch diameter hail fell at Hospers and in Sioux County, 2 inch hail fell at Boyden. Some of the hail stones hit with such force that they punched through the roofs of houses in both Boyden and Hospers.

KDIO radio in Ortonville, MN clocked thunderstorm winds of 80 to 85 mph for several minutes as a thunderstorm passed. There were reports of numerous trees downed and scattered power outages in Ortonville.

1992

Very heavy rains fell over southwest Florida as the result of a slow moving tropical depression. Up to 25 inches of rain fell in the Venice area during the four-day period beginning on the 25th ending on this date. 8 to 14 inches of rainfall was common over Sarasota and Manatee counties. The flooding killed two people.

1994

Extremely hot temperatures prevailed from Texas to the Southwest. Laughlin, NV reached 124°, the state's all-time record high temperature. Monahans, TX reached 120° tying the state's all-time temperature record. Other daily records included: Yuma, AZ: 116°, Tucson, AZ: 115°, Las Vegas, NV: 115°, Midland-Odessa, TX: 114°, El Paso, TX: 113°, San Angelo, TX: 110° and Del Rio, TX: 108°.

After a record temperature of 114° was set earlier in the day at the Midland International Airport in Texas, lightning from high-based thunderstorms started several grass, causing officials to close highways in the area. Over 2,000 acres of land were consumed by the fire.

1998

Record breaking heat occurred across parts of the southern Plains. Amarillo, TX (recently broken, currently 6/26/2011: 111°) and Dodge City, KS both set their all-time record high temperatures with 108° and 110° respectively. Roswell, NM recorded a record daily high of 110°.

2003

A damaging severe thunderstorm rolled in from the east into Liberal, KS. The combination of 80 to 100 mph wind and hail larger than golf balls produced at least \$8 million dollars in damage. Flash flooding occurred following the devastating hail and wind storm. Nearly all streets in and around Liberal were flooded. Several cars were stranded.

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June 29th:

1826

Thomas Jefferson made his last entry in his weather observation log on this date, just six days before he died. The weather held a fascination for Jefferson as he made regular weather observations. He bought his first thermometer while working on the Declaration of Independence and his first barometer shortly thereafter.

1878

The weather observer on top of Colorado's Pike's Peak noticed that a major storm remained stationary over South Park, some 50 miles away. The observer also noted that the whitened ground from hail could be seen until sunset.

1897

A tornado in London, Ontario Canada destroyed barns and orchards.

1899

A great flood occurred on the Brazos River in Texas. The flood waters reached a width of 12 miles and caused \$10 million dollars in damage.

1904

A pair of tornadoes struck Moscow, Russia killing at least 30 people.

1907

A tropical storm moved from the Gulf of Mexico to coastal North Carolina, where it dissipated. The remnants moved north and combined with a cold front moving in from the Ohio valley, producing two days of widespread severe weather through the 29th. Philadelphia, PA received 1.52 inches, with an extra 0.11 inches falling on the 30th. In some areas, rainfall amounts ranged from 3 to 6.73 inches, producing flooding that exceeded the flooding of tropical storm Agnes in 1972. Thunderstorms also produced high winds, hail and tornadoes, including F2 tornadoes at Edgemont, PA where debris from a destroyed garage was carried three-quarters of a mile away. Eight people were killed, six by drowning in swollen streams or rivers.

1931

The temperature at Monticello, FL hit 109° to establish an all-time record for the sunshine state.

1934

The San Francisco airport in California reached 101° which is the highest temperature ever recorded in the month of June at the airport. On the East Coast, Philadelphia, PA hit 102°; also setting their highest June temperature reading.

1947

Sweden's hottest day on record occurred as the temperature reached 100° in Målilla.

1954

The remnants of Hurricane Alice dumped up to 27 inches of rain on the Lower Rio Grande Valley of Texas. The river at Laredo, TX was 12.6 feet higher than its previous highest water level. The U.S. 90 Bridge was 30 feet below the high water.

1957

The United Kingdom recorded their hottest June day on record when highs reach 96° at Camden Square, London, England.

1962

Flooding in Wichita Falls, TX resulted in a quarter million dollar loss in city equipment, man hours, and other city property. The official rainfall total at Sheppard Air Force Base was only 1.64 inches, but other reported rainfall included 2.60 inches in downtown Wichita Falls, and from 4.20 to over 5 inches at Charlie, in northern Clay County. An estimated 300 cars were stranded temporarily on highway 287 near Jolly, when sections of the highway were flooded by over two feet of water.

1975

North Dakota registered its record maximum 24 hour precipitation as 8.11 inches of rain fell at Litchville.

1987

Thunderstorms produced severe weather in the Ohio Valley and the Great Lakes Region, with reports of large hail and damaging winds. Thunderstorms spawned four tornadoes in Michigan. A tornado near Clare, MI was accompanied by softball size hail.

In Colorado, an untimely winter-like storm blanketed Mount Evans with 6 inches of snow.

1988

Alpena, MI reported a record low of 39° while Jackson, MS equaled their record for the month of June with an afternoon high of 105°. Thunderstorms in the central U.S. soaked Springfield MO with 3.62 inches of rain, a record for the date.

1989

Thunderstorms produced severe weather in the Central and Southern Plains. Thunderstorms in Colorado produced softball size hail at Kit Carson, while pea to marble size hail caused \$10 million dollars damage to crops in Philips County, Colorado.

1990

A microburst wind estimated around 150 mph did extensive damage in the town of Streamwood, in the Chicago metro area in Illinois. At least \$10 million dollars damage was done to 25 stores and industrial buildings. Radar and eyewitness accounts indicated no rain or thunderstorms in the immediate vicinity of the area at the time.

1993

A large amount of severe weather and flash flooding rolled across southeast South Dakota and into northwest Iowa. A phenomenal 6 to 7 inches of rain fell in Dickinson and Emmett Counties during a 3 to 4 hour period. The Des Moines River rose several feet in just a few hours. Ocheyedon received 3 inches in just 45 minutes and Allendorf picked up 2.80 inches in 30 minutes. Aside from the flash flooding, the main feature with these storms was the high winds. Many locations in northwest Iowa reported winds in excess of 60 mph, with some locations clocking speeds of 70 to 80 mph. In Emmett County in the Ringsted area, 3.50 inch hail fell and baseball size hail covered

the ground just north of Estherville. Several tornadoes were also spawned during the evening, but most of them were brief touchdowns and caused little damage. Millions of dollars in damage was caused from the thunderstorms across the area.

No river traffic was moving on the 585 miles of the Mississippi River from St. Paul, MN to Cairo, IL and on 535 miles of the Missouri River from Sioux City, IA to the point it joined the Mighty Mississippi. More than 5, 000 loaded barges were stranded. For the first time in history, major floods came down both rivers at the same time.

1994

Lake Havasu City, AZ recorded a blistering 128° for the hottest reading ever in that state. The previous record was 127° at Parker on 7/7/1905. Laughlin soared to 125° to set Nevada's all-time high temperature record.

Palm Springs, CA tied their June record high of 121° (6/24/1957 & 6/26/1957). Other daily record highs included: Victorville, CA: 111° and Big Bear Lake, CA: 89°. The overnight low of 78° at Palomar Mountain, CA was an all-time record high minimum.

The coldest temperature ever recorded in Australia occurred when Charlotte Pass, New South Wales fell to -9.4°.

1998

A derecho which originated in Iowa, moved across Illinois during the afternoon and evening, and continued as far east as Ohio the next morning. Every county in central Illinois sustained some sort of damage, as these severe thunderstorms passed. Winds gusted in the 60 to 80 mph range, with some localized microbursts producing winds in excess of 100 mph. Significant damage occurred in the microburst areas, including the towns of Morton, McLean, LeRoy, and Tolono. Trees were blown over, buildings lost their roofs, and in Tolono, 22 cars of a southbound 101-car Illinois Central freight train were blown off the tracks. It was unknown how many cars were picked up by the wind, but 16 cars were turned over and another 6 derailed but remained upright. The train was en route to Centralia from Chicago with a load of mixed freight, including plastic pellets and meal. The freight cars empty weighed about 60,000 pounds, while a full one weighs about 260,000 pounds. Overall, 12 people were injured, and damage was estimated around \$16 million dollars.

The high of 110° established the all time high for Dodge City, KS.

2000

This date marked the beginning of a near record hot streak at Denver, CO. The high temperature at Denver International Airport exceeded 90° for 17 consecutive days from this date through July 15th. This was one day short of the all-time record of 18 consecutive days (7/1 - 7/18/1874 & 7/6 - 7/23/1901).

2001

Tragic news in Las Vegas, NV as a five month old baby boy died after being left in a car for more than five hours. Temperatures inside the vehicle reached greater than 140°.

2003

Tropical Storm Bill made landfall south of Houma, LA with top winds of 60 mph, spreading a six foot storm surge across the low lying portions of the Louisiana Coast. For the second time in two years, the town of Montegut, LA was flooded after the town's protection levee was breached. Bill dumped 5 to 8 inches from Louisiana to Alabama. A tornado at Reserve, LA injured four people.

2004

Madrid, Spain set a 73 year record as the high temperature soared to 104° while Cordoba, Spain climbed to 108°.

2005

Heavy rains of 3 to 7 inches fell across far eastern Brown, western and northern Day, and most of Marshall Counties in South Dakota during the early morning and again in the afternoon hours. One location measured 5 inches of rain in two hours. Many township roads and highways were flooded along with thousands of acres of cropland. Water surrounded several homes resulting in people being rescued. Some of the homes were flooded. Many bridges were damaged and roads and culverts were washed out. In Day County, 30 roads were washed out and 15 bridges were damaged. Some rainfall amounts include 5.04 inches in Britton, 3.34 inches north of Columbia, and 2.08 inches at Aberdeen. Total June rainfall for some locations in Marshall and Day Counties was between 11 and 12 inches. The flooding continued into early July before receding by July 10th.

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June 30th:

1792

The first recorded tornado in Canadian history struck the Niagara Peninsula between Fonthill and Port Robinson, leveling some houses and uprooting trees between the communities.

1841

A tornado hit Danvers, Salem, and Marblehead, MA. During this severe weather event, small fish fell on a street in Boston.

1886

The second destructive hurricane in nine days hit the Apalachicola-Tallahassee area in the Florida Panhandle.

1908

A huge fireball streaked across the sky during the early morning hours over Siberia. A huge explosion occurred in the air near the Stony Tunguska River. The explosion flattened trees for 40 miles around and killed wildlife, but no crater or meteorite fragments were ever found.

1912

A late afternoon tornado in Regina, Saskatchewan became Canada's deadliest tornado when during three minutes of mayhem 40 people were killed, another 300 were injured and 500 buildings were destroyed leaving a quarter of the population homeless. The city didn't finish paying for the damage from this tornado until 1958.

1942

The temperature at Portland, OR hit 102°, an all-time record for that location at the time. The current record is 107 °F on August 9, 1981.

(Extreme Weather p. 276, by Christopher C. Burt)

1949

Only 0.02 inches of rain fell at Central Park in New York City for its driest month on record.

1968

A cloudy June came to an end in Sault Ste. Marie, MI. Not one clear day was observed during the month.

1972

The entire state of Pennsylvania was declared a disaster area as a result of the catastrophic flooding caused by Hurricane Agnes, which claimed 48 lives, and caused \$2.1 billion dollars damage.

1976

Northern Ireland enjoyed its hottest day on record as the temperature reached 87° at Knockarevan.

1978

Havre, MT measured a wind gust to 138 mph from a severe thunderstorm.

1983

It was Tasmania Australia's coldest night on record as the temperature dropped to 9° at Shannon.

1986

Thunderstorms produced large hail and high winds in southwest South Dakota. During the afternoon hours hail up to the size of baseballs pounded Ellsworth Air Force base near Rapid City. 20 people were hurt at the Air Force Base as the hail broke over one thousand windows. Hail was 3 to 6 inches deep on the roads in Spearfish Canyon in the Black Hills and snowplows needed to be called out to clear the roads.

Today marked the end of the driest six months on record for the Athens, GA area since records began in 1845. The six month precipitation total at Athens was 11.23 inches compared to the normal of 27.33 inches. This also marked the end of the driest six months on record for Lynchburg, VA, with only 9.43 inches measured.

San Antonio, TX had their wettest June on record with 11.95 inches of rain besting the previous record of 10.44 inches set back in 1973.

1987

Hot weather prevailed in the Pacific Northwest, with readings above 100° reported as far north as southern British Columbia. Yakima, WA reported a record high of 100°, while temperatures near the Washington coast hovered near 60° all day.

Thunderstorms prevailed from southwest Texas to New England. Thunderstorm winds gusting to 100 mph at Gettysburg, PA killed one person. High winds and large hail caused more than \$5 million dollars damage to property and crops in Lancaster County, Pennsylvania.

1988

Thunderstorms in eastern Kansas drenched Worden with 12.21 inches of rain, and a wall of water 2 to 4 feet deep swept through Lone Star, KS flooding every home in the town. Up to 10 inches of rain was reported southeast of Callaway, NE. Thunderstorm winds gusted to 75 mph at Winfield,

KS.

Many cities in the north central and northeastern U.S. reported record low temperatures for the date, including Duluth, MN: 36°, Madison, WI: 43°, Pittsburgh, PA: 46°, Williamsport, PA: 46°, Columbus, OH: 47°, Allentown, PA: 48°, Cleveland, OH: 48°, Dubuque, IA: 48°, Syracuse, NY: 48°, Harrisburg, PA: 49°, Atlantic City, NJ: 50°, Baltimore, MD: 52°, Philadelphia, PA: 52°, Islip, NY: 55° and NYC-Kennedy, NY: 56°.

The severe drought conditions that began over the area during the late winter months began taking a toll on the crops during the month. Crop damage in Iowa through the end of June indicated that about 20% of the corn crop and 15% of the soybean crop were destroyed, adding up to about \$1.3 billion dollars in damage. Only 0.53 inches of rain fell in Sioux City during the month, producing the driest June on record for Sioux City. In Omaha, only 0.06 inches of rain fell through the 29th, ready to shatter the all-time driest June record, but nearly 1.50 inches of rain fell on the 30th.

1989

Winnfield, LA reported 22.52 inches of rain in three days and 29.52 inches in six days from Tropical Storm Allison. Winnfield reported more than 30 inches of rain for the month, a record for June. Shreveport, LA received a record 17.11 inches in June, with a total for the first six months of the year of 45.55 inches. Thunderstorms also helped produce record rainfall totals for the month of June of 17.41 inches at Tallahassee, FL, 14.66 inches at Oklahoma City, OK, Clinton, OK with 13.46 inches, 13.12 inches at Birmingham, AL, Anadarko, OK with 10.98 inches, Waurika, OK with 10.77 inches, 9.97 inches at Lynchburg, VA, Ada, OK with 9.47 inches and more than 10.25 inches at Pittsburgh, PA. Pittsburgh had also experienced a record wet month of May. Oklahoma City, OK went on to have the wettest summer, months June through August, on record, with a total of more than 22 inches of rain.

3.9 inches of rain fell in less than two hours at Jewell, KS.

The worst tornado on record in Victoria, Australia, tracked 43 miles from Poolajeilo to Merino, stripping bare thousands of huge gum trees, killing sheep and cattle, flattening miles of fencing, and even burying some birds head-first into the ground.

1991

Five inch diameter hailstones bombarded a spot near the town of Hathaway, MT.

1992

399 tornadoes occurred across the U.S. during June. This set a new record for the greatest number of tornadoes in a single month up to that time (this record was broken in May 2003).

1993

Across parts of South Dakota, June of 1993 was a cool and wet month. In Iowa, temperatures averaged nearly three degrees below normal while precipitation averaged 8.09 inches, which is 3.67 inches above normal. Le Mars was one of only two stations which recorded below normal rainfall for June of 1993, but still received 3.09 inches. Not too far away though, Estherville recorded its wettest month on record with an astounding 13.49 inches.

Mississippi River levels rose dramatically during the last half of the month. On the Upper Mississippi River basin near the Quad Cities, river levels rose above major flood levels which occurred in 1965 and 1973. Near Grafton, IL, dozens of buildings were damaged during the month.

1994

El Paso, TX soared to 114° to break their all-time record high temperature, again. A record high of 113° was just set on the 27th and 28th of this month. China Lake Naval Air Station, CA hit 118° to set their all-time June record high.

1996

Unusual cold and snowy conditions occurred in parts of South Africa for the entire month of June. Snow drifts up to 6 feet were reported south of Johannesburg. 21 people died.

1997

Edmonton, Alberta Canada recorded 21 rainy days for the month of June, tying the record for the most wet days originally set in 1915 and tied again in 1980. In total, 4.97 inches of rain fell, compared to a normal amount of 3.14 inches.

1999

Mount Baker, WA closed out a record snowfall season both for the United States and the verifiable world record as the seasonal total from July 1, 1998 to June 30, 1999 finished with 1,140 inches.

Boston, MA recorded only a trace of rain for the month, tying the record for its driest month ever.

2001

Hot temperatures occurred across much of New Jersey. The heat caused I-80 to buckle near Parsippany, NJ.

A severe thunderstorm at 1am produced baseball size hail and 80 mph winds at Ashland, MT. The storm had tops up to 70,000 feet. There were many smashed windows and windshields and birds killed.

2003

Tropical Storm Bill added to the second wettest June ever at New Orleans, LA by dropping over 4.50 inches of rain, bringing the monthly total to 17.37 inches. This was just shy of the all-time wettest June ever, which occurred in 2001, when 17.62 inches fell.

New York City, NY closed out the month with a record amount of rain for any June as 10.27 inches fell, nearly three times the normal monthly amount of 3.84 inches.

2006

The temperature reached 98° at Denver, CO. This marked the 19th day in June with a maximum temperature of 90 degrees or more setting a new all-time record for the month.

2007

The rainfall season ended as the driest on record for many locations of Orange County, the Inland Empire and the San Bernardino Mountains in southern California. In Big Bear Lake only 4.09 inches fell, 2.22 inches at Santa Ana and 1.71 inches at Riverside. In Thermal, only 0.17 inches fell, the lowest season on record.

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