

## JULY WEATHER HISTORY FOR 1ST - 10TH

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

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

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July 1st:

The deadliest month for lightning in the United States is July. Not only does the month normally have a large number of thunderstorms across the country, but the significant number of people vacationing and engaging in outdoor activities yields the high death total. On average, this is the first day Las Vegas, NV reaches 110°.

1792  
A tremendous storm hits Philadelphia, PA and New York City. Many young people are drowned while on a Sunday boating excursion.

1814  
A tornado crossed Saint Helena Sound in South Carolina, drowning 23 people who were out on the sound in ships.

1876  
In the Douglas, WI area, a 25 square mile ice field was still in existence at the head of Lake Superior.

1891  
The U.S. Weather Bureau was born as the equipment, stations and personnel of the U.S. Army Signal Service were passed to the new agency, which was part of the Department of Agriculture.

1911  
The high of just 79° at Phoenix, AZ was their coolest daily maximum on record for the month of July. The normal daily high on this date is 105°.

1915  
Pawtucket, RI received a deluge of rain containing 5.1 inches in 24 hours, beginning a very wet July for the area.

1933  
Lightning struck the Texas Oil Company plant near Elizabeth, NJ causing 300,000 barrels of oil to go up in flames.

1935  
To expedite communication between weather forecasters and government officials, the U.S. Weather Bureau initiated a private teletypewriter line called the "hurricane circuit." This allowed for a smooth flow of vital information during threatening hurricanes, when telephone lines and telegraph circuits would become jammed.

1953  
A severe thunder squall struck parts of Grand Island, the Tonawandas, and north Buffalo, NY during the evening. Destructive winds at the airport of 59 mph, heavy rain of 2.27 inches in a 3-hour period from 6 to 9pm with 1.67 inches between 6 and 7pm and one inch in a 10-minute period, and hail caused damage estimated around \$2 million dollars.

1962  
A small tornado observed near Vancouver, British Columbia Canada was only the third such observation in the history of the Vancouver Weather Office.

1972  
The Lake Creek community, just north of Granite in Greer County, Oklahoma was pounded by a severe thunderstorm. The storm produced 2.5 inch diameter hail, winds 75 mph, and 2.25 inches of rain. The storm moved from northeast to southwest, which happens occasionally in the summer months.

1979  
5.8 inches of rain was reported at Stampede Pass, WA setting a July record.

1981  
Tropical storm Bret formed well off the North Carolina coast, but moved toward the west then northwest across the mouth of the Chesapeake Bay and into Virginia. Philadelphia, PA received 0.49 inches of rain.

1985

A heat wave continued across southern California. Santa Ana, CA hit 110°, a record for July. Other daily records included: Escondido, CA: 109°, Riverside, CA: 107° and San Diego, CA: 94°.

1986

Chadron, NE was struck by a severe thunderstorm with large hail and 80 mph winds. An automobile dealership had its windows blown out and many buildings had large holes punched in their roofs by the hailstones.

1987

Lake Charles, LA was drenched with a month's worth of rain during the early morning. More than 5 inches of rain soaked the city, including 2.68 inches in one hour.

1988

Many cities in the north central and northeastern U.S. reported record low temperatures for the date. Lows of 40° at Osage, IA, 48° at Providence, RI, 48° at Roanoke, VA, 48° at Wilmington, DE, 49° at Stratford, CT and 54° at Washington, D.C. were records for the month of July. Boston, MA equaled their record for July with a low of 50°.

Five inches of snow whitened Mount Washington, NH, a rather unusual occurrence in what turned out to be one of the hottest summers on record. The temperature fell to 34° at Barre Falls, MA. These wintry conditions occurred in the middle of one of the hottest summers on record.

1989

Showers and thunderstorms associated with the low pressure which was once Tropical Storm Allison continued to drench parts of Mississippi, Louisiana and eastern Texas. Late night thunderstorms produced 12.58 inches of rain at Biloxi, MS in six hours, and 10.73 inches at Gulfport, MS. Flooding in Mississippi over the first six days of the month caused \$55 million dollars damage.

1991

Two inches of rain fell in 30 minutes about 3.5 miles south southeast of Trousdale, KS. The heavy rain washed out roads and left water holes that measured 100 feet long.

1994

A microburst over the south side of Cheyenne, WY blew windows out of 15 cars, with a gust to 59 mph recorded at the Cheyenne airport.

1995

A 53-year-old male golfer was killed instantly at the Ibis Golf & Country Club 9 miles northwest of Palm Beach, FL, when lightning struck his 7-iron on the follow through, after a foursome had halted play because of lightning in the area. The lightning struck when the group resumed play.

1998

The temperature at Tallahassee, FL reached 100° for the 13th time during the year, establishing a new record. The previous record was 12 days in 1931.

2001

Northern and central Ontario and parts of Quebec started July with some snow. On Canada Day in Kapuskasing, Ontario 1.2 inches of snow fell.

2002

San Antonio, TX recorded 9.52 inches of rain on this day to set a new record for its greatest rainfall for the entire month of July.

2003

A few secondary roads were under 6 inches of water 5 miles north east of Rose Hill in Jasper County.

Several secondary roads were underwater along with a few streets flooded in Stonewall and Quitman. Heavy rains caused several streams to flood and cover portions of a few roads in Meridian. These events were associated with Tropical Storm Bill.

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July 2nd:

About 4,800 hailstorms strike the United States every year. Of these, probably 500 to 700 produce hailstones large enough to cause damage or injury.

Worldwide, annual crop losses from hail represent about 1% of the total annual agricultural production.

1833

A tornado, a half to three quarter of a mile wide left a path of destruction from Salem Pond to Norton Pond, VT before crossing into Canada.

1843

An alligator reportedly fell from the sky onto Anson Street in Charleston, SC, during a

thunderstorm. Meteorologists think that a waterspout was the culprit.

1900  
Wyoming's hottest temperature occurred as the town of Basin hit 114°.

1908  
The town of Dumfries recorded Scotland's highest temperature as the mercury rose to 91°.

1944  
Today began the longest dry spell in Las Vegas, NV history which lasted until October 10th, a total of 101 days.

1968  
1.42 inches of rain fell in just 9 minutes at Leeming in the United Kingdom. This is one of the most intense sub-10 minute storms on record in the United Kingdom.

1972  
Large hail and damaging winds accompanied severe thunderstorms across parts of central Oklahoma. Baseball-size hail fell in the Oklahoma City metropolitan area, and winds reached 75 to 100 mph. The wind took down power lines and damaged or destroyed at least 23 mobile homes. Winds gusted to 100 mph at Lindsay, and 80 mph at Norman. The wind in these areas mainly damaged trees and blew down power lines, but also damaged a few roofs.

1980  
Wichita Falls, TX broke their old record by 10 degrees as the temperature hit 114°. This was the 9th consecutive day of temperatures above 100°.

1985  
It has never been hotter in Santa Barbara, CA than on this date, when the mercury topped out at 109°. Other daily records included: Palm Springs, CA: 119°, Riverside, CA: 106°, Escondido, CA: 104°, Long Beach, CA: 102°, Los Angeles (Civic Center), CA: 102°, Santa Ana, CA: 100°, San Diego, CA: 94°, Los Angeles (LAX), CA: 93° and Big Bear Lake, CA: 90°.

1986  
Amazingly, an F2 tornado at Jacksonville, NC that killed three people was the deadliest twister of the year as the United States experienced only 15 tornado deaths during the year. This was an all-time low since records began in 1916.

1987  
Thunderstorms in Colorado produced hail as large as golf balls northwest of Kiowa, which accumulated to a depth of 12 inches. Hail 2.5 inches in diameter was reported at Black Forest. Hail damaged 900 acres of crops south of the town of Wiggins.

1988  
Many cities in the eastern U.S. reported record low temperatures for the date. The morning low of 47° at Roanoke, VA broke the July record set the previous day. Other record lows included: Elkins, WV: 34°, Asheville, NC: 44°, Dulles Airport, VA: 44°, Huntington, WV: 47°, Milton, MA: 47°, Columbus, OH: 48°, Bristol, TN: 48°, Knoxville, TN: 49°, Oak Ridge, TN: 49°, Greensboro, NC: 49°, Lynchburg, VA: 49°, Cincinnati, OH: 50°, Providence, RI: 51°, Jackson, KY: 53°, Islip, NY: 54°, Wilmington, NC: 55°, Wallops Island, VA: 56° and Cape Hatteras, NC: 56°.

1989  
Thunderstorms produced severe weather in the south central U.S., with 158 reports of large hail and damaging winds. Evening thunderstorms in northeastern Texas produced softball size hail which caused more than \$5 million dollars damage at Allen, and wind gusts to 90 mph at Dallas, which injured 8 people and caused \$7 million dollars damage.

Winnfield, LA reported 29.52 inches of rain in six days, for a total of 62.50 inches for the first six months of the year.

Midland, TX reported an all-time record high of 112°. Meanwhile, the morning low of 35° in Alamosa, CO was a record low for the date, but the mercury would rise to 88° the same day to record a new high temperature mark.

1991  
Severe thunderstorms spawned a small tornado at Clucluz Lake outside Prince George, Columbia South America. In the city, hail and heavy rains hampered traffic. At the airport, 0.61 inches of rain fell in 25 minutes.

1992  
An usually cold air mass for the time of year was in place across northern New York and Vermont. Saranac Lake, NY dipped to 30°. An observer in West Charleston, VT dropped to 30° as well with widespread frost and a frozen garden hose. A total of six cooperative observer stations in Vermont reported freezing low temperatures with East Haven reporting the lowest with 29°.

Burlington, VT set a record low with 40°.

Out west, record lows were set at: Idyllwild, CA: 34° and Borrego Springs, CA: 62°.

1994

A US Air jet crashed near Charlotte, NC during a thunderstorm. The cause of the crash was officially listed as wind shear. Major efforts to understand and avoid wind shear have resulted in a dramatic reduction in the number of air accidents involving this deadly phenomenon.

1997

Many record lows were set or tied over the western U.S. including Alamosa, CO: 30°, Ely, NV: 31°, Casper, WY: 34° and Denver, CO: 44°.

1998

Italy's hottest temperature was recorded at Catania as the mercury hit 109°.

1999

Prescribed burns are an important tool used by the Bureau of Land Management to mitigate the likelihood of major forest fires. On this date, a planned one hundred acre prescribed burn got out of control near Lewistown, CA. 23 homes were burned before the 2,000 acre fire was brought under control.

2001

In Michigan, frost and freezing temperatures were observed in some locations with Grant dropping to 29°. Muskegon reported their coldest July temperature on record with 39°. Other daily record lows included: Lansing, MI: 38°, Muskegon, MI: 39°, Flint, MI: 40°, Youngstown, OH: 40°, Grand Rapids, MI: 43°, Binghamton, NY: 45°, Rochester, NY: 45°, Buffalo, NY: 46°, Detroit, MI: 46°, Toledo, OH: 46°, Worcester, MA: 46°, Baltimore, MD: 51°, Louisville, KY: 55°, NYC (Central Park), NY: 56°, NYC-Kennedy, NY: 56° and NYC-LaGuardia, NY: 58°.

2007

A major heat wave struck the mountains and deserts of southern California from this day through July 6th. A strong, persistent marine layer precluded the heat wave from impacting the coasts and valleys.

At 1:28 pm the relative humidity in Las Vegas, NV was 1% with a temperature of 111° and a dew point of -9°. This dew point depression of 120° was the largest spread ever officially recorded in Las Vegas. This was just recently broken on 6/27/11 when the temperature at 4:32 pm PDT was 107° with the relative humidity of 1%. This created a dew point temperature of -22° or a 129 degree dew point depression.

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July 3rd:

The "Dog Days" traditionally begins on this day of the year. The hot weather period received its name from Sirius, the brightest visible star in the sky and known as the Dog Star. Sirius rises in the east at the same time as the sun this time of the year.

1873

A tornado destroyed several farms in Hancock County, Illinois. A child died after being carried 500 yards; 10 others were injured.

1956

Lightning set off a dynamite charge near Brooksville, FL, killing one woman.

1960

A major hail storm caused \$1.5 million dollars in damage across the Denver, CO metro area. The heaviest damage occurred in south Denver, Englewood, Littleton and Golden from wind-driven hail as large as golf balls. Winds were estimated between 60 and 70 mph. Heavy rainfall was estimated at 2 to 3 inches. Hail carried flood waters drifted 3 to 4 feet deep.

1966

The northeastern U.S. was in the midst of a sweltering heat wave. Afternoon highs of 107° at LaGuardia Airport in New York City, 107° at Harrisburg, PA, 105° at Allentown, PA and 102° at Hartford, CT established all-time records for those locations. Newark, NJ tied their all-time record high with 105°. Daily records included: Philadelphia, PA: 104°, NYC-Kennedy, NY: 104°, Atlantic City, NJ: 104°, NYC-Central Park, NY: 103°, Dulles Airport, VA: 103°, Concord, NH: 102°, Wilmington, DE: 102°, Avoca, PA: 101°, Williamsport, PA: 100°, Bridgeport, CT: 99°, Lansing, MI: 99°, Grand Rapids, MI: 97°, Syracuse, NY: 96°, Roanoke, VA: 96°, Binghamton, NY: 95° and Mansfield, OH: 93°.

1974

The world record for a 30 minute rainfall total was set in Sikeshugou, Hebei, China. 11.10 inches of rain fell in this period of time.

1975

Up to 3 inches of rain caused flash flooding throughout Las Vegas, NV. The main damage occurred to vehicles at Caesars Palace with approximately 700 damaged or destroyed with several cars found miles away. North Las Vegas was hardest hit with \$3.5 million in damage. Two people drowned in the flood waters.

1976

The United Kingdom recorded its hottest July day on record when the temperature reached 97° in Cheltenham.

1985

A heat wave continued across the southwest. Record highs included: Riverside, CA: 109°, Elko, NV: 104°, Los Angeles (Civic Center), CA: 100°, Ely, NV: 96° and Big Bear Lake, CA: 92°.

1987

Lightning struck and killed three men playing golf on a course near Kingsport, TN. The three men had sought shelter from the rain under a tall tree on a small hill.

Showers and thunderstorms produced heavy rain in New Jersey, with 5.2 inches reported at Trenton State College. 8.60 inches of rain fell in 24 hours at Oneonta, NY. Highway 231 was closed due to mudslides and many basements were flooded.

Hail as large as golf balls accumulated to a depth of 12 inches at Kiowa, CO.

1988

Thunderstorms around Fort Worth, TX produced wind gusts to 76 mph at Burleson, along with 2 inches of rain in 30 minutes.

The record low of 46° at Youngstown, OH was their sixth in a row. Toledo, OH also had a record low of 47°.

1989

Showers and thunderstorms produced locally heavy rain in the eastern U.S.

Bowling Green, KY was soaked with 4.99 inches of rain during the morning hours, and up to 10 inches of rain deluged Oconee County, South Carolina.

The temperature at Alamosa, CO soared to a record high of 91°, following a record low of 35° the previous day.

1992

A 27-mile-long 18 foot high rogue wave rolled onto the Volusia County Beach in eastern Florida. The wave's extent was from Ormond Beach on the north, to New Smyrna Beach on the south. The crest was centered at Daytona Beach. Sailboats crashed ashore onto cars and many people suffered cuts and bruises from glass and debris. Two people required hospitalization and 200 vehicles were damaged. 75 injuries reported.

1993

An unusual high wind event struck Cheyenne, WY, with a peak gust of 79 mph recorded. Among other damage the winds ripped off the roof of the new grandstand at the fairgrounds.

1994

Tropical Storm Alberto formed off the southwest coast of Cuba late on June 30 and moved north at 10 mph. The center crossed the Florida Panhandle near Destin on this date. At landfall the minimum central pressure was 993 millibars or 29.32 inHg with maximum sustained winds of 65 mph and gusts unofficially estimated at 86 mph. The maximum storm tide was 5 feet and rainfall totaled 2 to 7 inches. About 2,000 people voluntarily evacuated. No significant injuries were reported. 13 people were rescued from boats in the northeast Gulf of Mexico. Coastal damage included shoreline erosion, up to 14 feet at Cape San Blas, FL, damage to sea walls, piers and boats, and roof damage to a few beachfront motels. Inland damage included downed signs, billboards, trees, and power lines. Electricity was cut to 18,500 customers for up to two days. Alberto weakened to a depression before moving into southeast Alabama the evening on this date, then meandered around east central Alabama and west central Georgia for 72 hours dropping rains that locally exceeded 20 inches in southwest Georgia. Rainfall totals as high as 21.1 inches in 24 hours was observed at Americus, GA. Macon, GA was deluged with over 10 inches. River flooding in Georgia and Alabama spread into the Florida panhandle on July 5, and along with 6 to 14 inches of additional rain from the remnants of Alberto, caused extensive flooding. This rainfall produced record and near-record flooding along the Flint, Ocmulgee, Chattahoochee, Choctawhatchee, and Apalachicola Rivers. Flood crests exceed 100-year events on the Apalachicola and Chipola Rivers. The first flood crest on the Apalachicola River occurred on July 10th to the 12th. The Apalachicola River remained above flood stage into August, and standing water in localized areas of the panhandle, continued into September, due in part to Tropical Storm Beryl striking in mid-August. The flooding caused 3,000 people to evacuate to Red Cross shelters. Overall, flooding caused by the rainfall from Alberto took 33 lives, destroyed thousands of

homes, including some entire communities, forced approximately 50,000 people evacuated, and caused property damage (including lost crops) estimated as high as \$750 million dollars. Damage to buildings, roads, water systems and other public property was estimated at \$40 million dollars. Insured losses to buildings and vehicles were estimated at \$15 million dollars. Agricultural losses were estimated at \$25 million dollars including up to 50% of the peanut, cotton, soybean, and corn crops. Animal losses included 300,000 chickens, 125 steers and hogs, and 90% of the oysters in Apalachicola Bay. The tourist industry was estimated to have lost several million dollars in potential revenue. It would be the worst natural disaster in the history of the state of Georgia. 30 counties were declared disaster areas.

A weakening thunderstorm just after midnight produced damage in northeast Dodge City, KS. Skylights were blown off houses. Basketball goals and fences were downed from wind estimates to 85 mph. During the late afternoon hours, several incidents of large hail were reported in and around Dodge City for a fifteen minute period. There was considerable damage to roofs and automobiles. Half an hour later another thunderstorm produced hail damage to roofs on the outskirts of Dodge City.

1995

The coldest temperature ever recorded in New Zealand occurred as Ophir dropped to -6.9°.

1998

A severe wildfire outbreak continued across Florida as severe drought contributed to wildfires that consumed 480,000 acres, destroyed 356 structures and caused over \$270 million in damages. Smoke from the vicious Florida fires caused a pall of smoke to spread all the way into the Florida Straits, to Cuba and even to the Bahamas. Visibility was down to only one mile in both Havana, Cuba and at Freeport in the Bahamas. The Pepsi 400 NASCAR race at Daytona was cancelled because of fires in area. At least 30,000 people evacuated coastal Flagler County as fires in three sections of the area threatened to converge into one big fire.

2000

Severe thunderstorms deluged Vanguard, Saskatchewan Canada with 14.8 inches of rain in 8 hours. This was the greatest 8-hour rainfall ever recorded in the Canadian Prairies.

2001

The southwest continued to bake with record heat. Record highs included: Palm Springs, CA: 119°, Borrego Springs, CA: 117°, Victorville, CA: 111°, Fresno, CA: 110°, Winnemucca, NV: 106°, Salt Lake City, UT: 103° and Santa Maria, CA: 88°.

2003

The temperature dropped to 15° on Macquarie Island, Australia; their coldest morning on record.

2007

A tornado tore across the eastern China province of Anhui crossing over three villages around Tianchang. The twister killed 14 people and injured 146 others while destroying more than 100 homes.

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July 4th:

1776

Thomas Jefferson paid for his first thermometer, and signed the Declaration of Independence. According to his weather memorandum book, at 2pm it was cloudy and 76° and 74° at 3pm under cloudy skies, a southwest wind and a pressure of 30.25 inHg.

1816

Savannah, GA reported morning temperatures in the 40's.

1874

Tornadoes hit the Baltimore, MD/Washington, D.C. area, causing minor damage, but a major tornado hit Lewistown, PA, killing eight people.

1876

A heat wave brought temperatures in excess of 90° to the East on Centennial Day. Washington, DC soared to 96° New York City was 94° and Boston hit 92°.

Severe thunderstorms hit the Midwest and a dam failed at Rock Dale, IA. The flood destroyed a railroad bridge and swept through the town. 42 people were killed.

1891

16 horses were killed by hail, and many more had to be put to death due to injuries from a hailstorm at Rapid City, SD.

1895

Queensland in Australia recorded their coldest night on record when the low at Stanhope dropped

to 12°.

1898

An F1 tornado moved across Hampton Beach, NH, killing three people and injuring 120 others. No one at the beach, in the panic caused by the thunderstorm, noticed the funnel. However, from a distance, one observer saw the tornado and thought there was a fire at the beach.

1911

The northeastern U.S. experienced sweltering 100 degree heat. The temperature soared to 105° at Vernon, VT and North Bridgton, ME, and 106° at Nashua, NH, to establish all-time records for those three states. Afternoon highs of 104° at Boston, MA, 104° at Albany, NY, and 103° at Portland, ME, were all-time records for those three cities.

1932

Washington, KS was struck by a huge F4 tornado. 5 people were killed.

1944

The maximum temperature reached 100° at Goose Bay, Labrador Canada.

1956

A world record for the most rain in one minute was set at Unionville, MD with a downpour of 1.23 inches.

1967

Canadian high pressure behind a strong cold front brought record chill to the northern Plains. Record lows for July included: Decorah, IA: 41°, Elkader, IA: 46°, and Genoa, WI: 46°. Other daily record lows included: Bismarck, ND: 36°, International Falls, MN: 36°, Fargo, ND: 37°, Waterloo, IA: 43°, Dubuque, IA: 45°, Sioux City, IA: 46°, Rockford, IL: 46°, Omaha, NE: 48°, Des Moines, IA: 48°, Springfield, IL: 49° and Concordia, KS: 50°.

1969

Severe thunderstorms accompanied by wind gusts of 100 mph dumped heavy rains of 4 to 15 inches across parts of northern Ohio causing major flash flooding. 41 deaths, 359 injuries resulted and damage exceeded \$66 million dollars.

In southwest Lower Michigan, More than 60 people were injured, most of them from a tornado that hit Flat Rock in southern Wayne County. The tornado destroyed a tile factory, carrying sheet metal over a mile. Another tornado injured 11 people about four miles east of Jackson as it damaged a dozen mobile homes.

1972

Chilly Canadian high pressure brought record cold to parts of the northern Plains and Midwest. Jump River, WI dropped to 27° and Blair, WI fell to 36° setting a record for their coldest July temperature. Also, Jump River had the coldest temperature ever recorded in July for Wisconsin.

Other daily record lows included: Grand Forks, ND: 36°, Ste. St. Marie, MI: 37°, Williston, ND: 38°, Duluth, MN: 40°, Minneapolis-St. Paul, MN: 43°, Rochester, MN: 43°, St. Cloud, MN: 43°, Grand Rapids, MI: 45°, Topeka, KS: 47°, Detroit, MI: 49° and Chicago, IL: 50°.

1977

A severe thunderstorm produced vicious downburst winds of up to 135 mph across parts of northern Wisconsin. Damage was extensive in Price, Sawyer, and Oneida Counties with a downburst damage path of 166 miles long and up to 17 miles wide. One person was killed and 35 were injured. Total damage was \$24 million dollars.

A widespread severe weather outbreak hit Lower Michigan with tornadoes and downbursts. Two people were injured and almost a million dollars damage was done. A tornado injured one person and destroyed two mobile homes and one barn near Maple Ridge in Arenac County. Another person was injured by a tornado at Otisville in Genesee County as four mobile homes were destroyed there. Two homes and a camper unit were heavily damaged as a tornado moved from southern Isabella County into northern Montcalm County, ending northeast of Vestaburg.

1978

A squall line developed in east central South Dakota during the late afternoon and moved east producing widespread severe thunderstorms. Winds of 90 mph leveled a number of farm buildings in southern Beadle County although no one was injured. A tornado touched down in southern Minnehaha and northern Lincoln counties although the tornado did little damage. Many areas along the squall line reported damaging winds. All told the squall lines' high winds and numerous tornadoes did \$7.5 million dollars in damage.

A violent F4 tornado moved slowly through Grant County in North Dakota. The tornado tracked 28 miles in about one hour. Five people were killed in the town of Elgin.

1980

Extremely humid weather was found across central Illinois. Springfield reported 11 consecutive hours with a dewpoint temperature of 80° or higher before a line of severe thunderstorms brought cooler air to the region.

1987

Thunderstorms produced wind gusts to 82 mph at Clearwater, KS, 8 inches of rain in 4 hours at Menno, SD, and 3 inches of rain in just 15 minutes at Austin, KY. Morning thunderstorms drenched Oneonta, AL with 8.6 inches of rain, their greatest 24 hour total in 30 years of records. The heavy rain caused mudslides and serious flooding, claiming two lives.

1988

Thunderstorms produced heavy rain over the Central Gulf Coast Region for the second day in a row. Monroe, LA was deluged with 3.75 inches in two hours.

Aberdeen and Rapid City, SD reported record high temperatures for the date, with readings of 105°. Several record highs were set on this day, including; 103° in Ipswich and Britton; 102° in Webster; 101° in Summit and Artichoke Lake, MN; 99° in Leola; 98° degrees in Clear Lake and Waubay.

1989

Independence Day was hot across parts of the country. Many cities, mostly in the north central U.S., reported record high temperatures for the date, including Williston, ND with a reading of 107°. In the southwestern U.S., highs of 93° at Alamosa, CO, 114° at Tucson, AZ, and 118° at Phoenix, AZ, equaled all-time records for those locations. Other daily records included: Borrego Springs, CA: 118° and Riverside, CA: 108°

Denver, CO went through one of their most intense heat waves on record. The temperature reached 100 degrees or higher on five consecutive days beginning on this date as a record of 101 was set. They never had previously recorded more than two straight 100-degree days. Water and electricity usage reached all time highs. The resulting dry conditions contributed to a major forest fire in Boulder Canyon on the 9th. The temperature reached 101° on the 5th, 102° on the 6th and 7th and 103° on the 8th.

1994

Tropical Storm Alberto formed in the southeast Gulf of Mexico on July 1st and moved north at 10 mph. The center crossed the panhandle near Destin at 0900z on July 3rd. At landfall the minimum central pressure was 993 millibars (29.32 inHg) with maximum sustained winds of 63 mph and gusts unofficially estimated at 86 mph. The maximum storm tide was 5 feet and the immediate rainfall totaled 2 to 7 inches. About 2,000 people voluntarily evacuated. No significant injuries were reported. 13 people were rescued from boats in the northeast Gulf of Mexico. Coastal damage included shoreline erosion (up to 14 feet at Cape San Blas), damage to sea walls, piers and boats, and roof damage to a few beachfront motels. Inland damage included downed signs, billboards, trees, and power lines. Electricity was cut to 18,500 customers for up to two days. Alberto weakened to a depression before moving into southeast Alabama the evening of July 3rd, then meandered around east central Alabama and west central Georgia for 72 hours dropping rains that locally exceeded 20 inches in southwest Georgia. River flooding in Georgia and Alabama spread into the Florida panhandle on July 5th, and along with six to 14 inches of additional rain from the remnants of Alberto, caused extensive flooding. Flood crests exceed 100-year events on the Apalachicola and Chipola Rivers. The first flood crest on the Apalachicola River occurred on July 10 -12. The Apalachicola River remained above flood stage into August, and standing water in localized areas of the panhandle, continued into September, due in part to Tropical Storm Beryl. The flooding caused 3,000 people to evacuate to Red Cross shelters. Damage to buildings, roads, water systems and other public property was estimated at \$40 million dollars. Insured losses to buildings and vehicles were estimated at \$15 million dollars. Agricultural losses were estimated at \$25 million dollars including up to 50% of the peanut, cotton, soybean, and corn crops. Animal losses included 300,000 chickens, 125 steers and hogs and 90% of the oysters in Apalachicola Bay. The tourist industry is estimated to have lost several million dollars in potential revenue.

1995

19 members of a single family were struck by a lightning bolt during a Fourth of July fireworks display in Visalia, NC. A bolt of lightning struck a construction crane, crossed wet ground and surged through a fence, affecting 70 people altogether. Fortunately, no one was killed or seriously injured. It is believed to be the most people ever struck by a single bolt of lightning.

1998

Thousands of evacuated Florida residents would never forget this Fourth of July as they spent the holiday uncertain if they would have a home to return to. More than 120,000 people were ordered to evacuate from homes in Flagler, Brevard and Volusia counties as fire officials closely watched the winds to see which direction the wildfires may head next. More than 480,000 acres of land was scorched and 356 structures destroyed. Damages totaled \$270 million dollars. The fires were caused by extreme drought across the South from Texas to Florida. Estimated damages exceeded \$6 billion dollars and at least 200 people died because of the dry conditions.

A record of 1.69 inches of rain fell at Calgary, Alberta Canada in six hours, breaking the

previous record set in 1909.

2001

A gustnado occurred on this date near Monroe, NC, pulling a large buried post from the ground and carrying it about 100 yards. The F0 tornado also unroofed a barn. A gustnado is a small tornado that forms along the gust front of a thunderstorm. They are usually weak and short-lived. Often gustnados are only visible as a debris or dust whirl.

A severe hailstorm struck Scottsbluff, NE producing hail up to 3 inches in diameter. About 12 people were injured with damage estimated at \$50 million dollars.

Palm Springs, CA & Victorville, CA set record highs at 120° and 111° respectively.

2002

Typhoon Rammason grazed Taiwan bringing welcome rain to drought-stricken regions of the country, but also triggered flash floods and mudslides in northern portions of the island.

2003

The July 4th holiday turned tragic as seven people drowned in rip currents on the eastern shore of Lake Michigan. A line of thunderstorms earlier in the day had produced strong winds across the middle of the lake, and the dangerous currents formed several hours later.

2007

St. George, UT hit an unofficial temperature reading of 118°, which topped the state's all-time record of 117°, set in St. George in 1985.

2009

About 100 people from a church group at a Fourth of July gathering at Lakeland, FL were playing soccer and volleyball when a lightning bolt or series of strikes hit nearby. The lightning strike killed one person and hospitalized 18 others.

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July 5th:

1643

A violent windstorm hit the Plymouth Colony. The "sudden gust" downed trees and killed one Native American. This may have been the first documented American tornado or microburst.

1816

In parts of New England and the Middle Atlantic, crop damage was severe and fruit trees were killed due to widespread frost and freezing temperatures. In parts of Pennsylvania ice was found the thickness of window glass.

1882

A trace of snow was observed at Newton, NJ and other locations in the northeast.

1900

Lightning struck the Standard Oil Refinery at Bayonne, NJ. A massive three day fire resulted with burning oil floating on the bay waters. The smoke column rose to 13,000 feet. Total damage was \$2 million dollars.

1916

A very destructive early season hurricane struck the Mobile, AL and Pensacola, FL areas. Seven deaths resulted, including 4 in the Florida Panhandle. Winds reached 82 mph with gusts as high as 104 mph in parts of the Florida Panhandle and tides were up to 11.6 feet above normal. The pressure at Fort Morgan, AL was measured at 961 millibars or 28.38 inHg.

1925

An immense hailstone weighing 0.5 lb fell at Plumstead, just outside of London, England. This was the heaviest hailstone ever recorded in the United Kingdom.

1936

South Dakota recorded its hottest temperature ever with a reading of 120° at Gann Valley. This same day Sioux Falls reached 109°, their second hottest temperature on record. Three of the 4 hottest days on record in Sioux Falls occurred during the Dust Bowl summer of 1936.

Canada's longest and deadliest heat wave continued through the 17th claimed 1,180 lives (mostly elderly and infants). Temperatures in Manitoba and Ontario exceed 111°.

1937

The temperature at Medicine Lake, MT soared to 117° to establish a state record. In Saskatchewan, Midale and Yellow Grass each hit 113° to establish an all-time record for Canada.

1967

Canadian high pressure continued to bring record lows to parts of the upper Midwest. Daily

record lows included: Duluth, MN: 36°, Rochester, MN: 42°, Rockford, IL: 43°, Asheville, NC: 46°, Bristol, TN: 48°, Oak Ridge, TN: 51°, Richmond, VA: 52°, Knoxville, TN: 54°, Wallops Island, VA: 56°, Charlotte, NC: 57°, Greenville-Spartanburg, SC: 58° and Macon, GA: 61°.

1970

Usually, the extreme heat of desert days is followed by relatively chilly nighttime readings. Not on this date at Death Valley, CA. The morning low was 103° was followed by an afternoon high of 120°.

Wichita Falls, TX tied a July record low with 54°.

1972

Temperatures fell to record lows in the upper 30s and lower 40s across the Great Lakes region. The 37° at Lansing, MI was their coldest July reading of the 20th century. Other daily records included: Alpena, MI: 37°, Casper, WY: 38°, Sioux Falls, SD: 39°, Ste. St. Marie, MI: 39°, Huron, SD: 40°, Madison, WI: 40°, North Platte, NE: 42°, Topeka, KS: 43°, St. Cloud, MN: 43°, Flint, MI: 43°, Denver, CO: 43°, Omaha, NE: 44°, Norfolk, NE: 44°, Rapid City, SD: 44°, Green Bay, WI: 44°, Grand Rapids, MI: 44°, Dubuque, IA: 45°, Waterloo, IA: 45°, Minneapolis-St. Paul, MN: 45°, Milwaukee, WI: 45°, Springfield, MO: 46°, Chicago, IL: 46°, Grand Island, NE: 47°, Sioux City, IA: 47°, La Crosse, WI: 47°, Moline, IL: 47°, Peoria, IL: 47°, Detroit, MI: 47°, Concordia, KS: 48°, Des Moines, IA: 48°, Lincoln, NE: 49°, Columbia, MO: 49°, Indianapolis, IN: 49°, Columbus, OH: 49°, Wichita, KS: 51°, St. Louis, MO: 53°, Fort Smith, AR: 56°, Chattanooga, TN: 59° and Birmingham, AL: 59°.

1985

Utah recorded their official hottest temperature ever when the city of St. George reached 117°.

1986

The early morning temperature at Boise, ID dropped to 35° to set a daily record and a record for the month of July.

1987

Severe thunderstorms raked south central Kansas for the second morning in a row. Thunderstorm winds again gusted to 80 mph at Clearwater, and the Wichita area reached 100 mph. 25 people were injured at a trailer park at El Dorado Lake.

1988

Afternoon and evening thunderstorms spawned 11 tornadoes in Montana and three in North Dakota. Baseball size hail was reported at Shonkin, MT, and wind gusts to 85 mph were reported south of Fordville, ND.

Many cities in the north central U.S. reported record high temperatures for the date, including Fargo, ND: 106°, Grand Forks, ND: 104°, Rapid City, SD: 103°, Fort Wayne, IN: 99°, Toledo, OH: 99°, Lansing, MI: 99°, St. Cloud, MN: 98°, Cincinnati, OH: 98°, International Falls, MN: 96°, Green Bay, WI: 96°, Lexington, KY: 96°, Detroit, MI: 96°, Mansfield, OH: 95° and Marquette, MI: 94°. Muskegon, MI equaled their July record with a high of 95°.

1989

Moisture from what once was Tropical Storm Allison triggered thunderstorms over the Mid-Atlantic region, which deluged Wilmington, DE with a record 6.63 inches of rain in 24 hours, including 6.37 inches in just six hours. Up to 10 inches of rain was reported at Claymont, northeast of Wilmington. July 1989 was thus the wettest month in 70 years for Wilmington, with a total of 12.63 inches of rain. The rainfall total of 4.49 inches that fell at Philadelphia, PA reported 4.49 inches and Newark, NJ: 2.45 inches of rain to set daily records. Reports of around 8 inches of rain were received from Salem County, New Jersey and 6.11 inches of rain at Verga, NJ.

The temperature in Denver, Colorado rose above 100° for the second day in a row, hitting 101°, setting records for the date. The occurrence also marks the second time in history at Denver that the temperature has risen above the century mark on two consecutive days previously recorded on July 4th and 5th, 1972.

Advertisement

Alamosa, CO reported an all-time record high of 96°, and Pierre SD hit 113°. Other daily records included: Borrego Springs, CA: 118°, Scottsbluff, NE: 108°, Grand Junction, CO: 104° and Cheyenne, WY: 96°.

1993

Big rains deluged the Central Plains once again as one of the greatest river floods in U.S. history continued to unfold. 24 hours total rainfall included 5.90 inches at Columbia, IA, 5.50 inches at Chariton, IA, 5.15 inches at Centralia, KS, and 4.80 inches at Haddam, KS.

1994

Very unstable air moved over the northern plains. Thunderstorms, mainly packing high winds, erupted over north central Nebraska into south central South Dakota. As the storms moved east, 60

to 70 mph winds were common across the tri-state area. In Iowa, 65 mph winds were clocked in Monona County wrecking havoc with power lines. In Crawford County, 80 mph winds broke windows out of houses and caused some barn damage southwest of Charter Oak. In Ida Grove, high winds downed trees and damaged several houses. Some damage was also reported in the Iowa Great Lakes region as 70 mph winds swept through the resort area. Winds of 75 mph also swept into Sioux County causing significant damage to buildings on a farmstead near Hawarden.

The South Canyon Fire was growing on Storm King Mountain near Glenwood Springs, CO. The fire would double in size during the night. Strong winds from a cold front would fan the flames the following afternoon into a blowup that would overrun firefighters battling the blaze. 14 firefighters perished.

1998

Hopeful Floridians, harried by the scourge of out-of-control wildfires turned their eyes toward a tropical weather system in the Caribbean as a potential source of much-needed rainfall. About 110,000 residents were still under evacuation orders on this date.

2000

Thunderstorms repeatedly moved over parts of southeast Illinois during the morning, producing rainfall of 5 to 6 inches. Numerous roads were reported closed by flood waters. A road north of Noble, in Richland County, collapsed. Flooding along Highway 40 west of Effingham caused a 6 by 10 foot hole underneath the pavement, and a train track trestle over the Salt Creek River had a 50 by 100 foot hole washed out under the tracks. Three homes in Newton were evacuated due to flood waters, and four mobile homes and one house in Wheeler were also evacuated.

The temperature at Tuscaloosa, AL reached 100°. It was the first of a scorching 15 straight days with temperatures in the triple digits. In contrast, Alamosa, CO fell to a record low of 34°.

2001

2.20 inches of rain fell in just 15 minutes at Pine Mountain, CA in Kern County. Water over a foot deep was reported on most streets in town.

International Falls, MN set a record low with 34°.

2003

An early morning band of severe thunderstorms blew across Northern Illinois with peak winds reported at 104 mph at Rockford. Over 80,000 people were without power for various durations after the storm.

The worst snowstorm in 50 years struck across New Zealand, causing power outages to thousands of homes and busin

2004

For the second day in a row a derecho, a line of thunderstorms that produces widespread damaging winds, tracked from southeast Kansas into central Missouri across the Lake of the Ozarks region.

2007

Ash Mountain, CA set their all-time record high with 118°.

2008

A streak of 26 consecutive days of 90°+ heat beginning on June 13th ended on this date at Denver, CO, shattering the previous record of 18 consecutive days established in 1874 & 1901.

2009

Mumbai, the world's second largest city, India was deluged with over 9 inches of rain in 24-hours.

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July 6th:

1893

A very violent tornado packing estimated winds of over 250 mph tore a 55 mile long path through portions of Cherokee, Buena Vista, Pocahontas and Calhoun Counties of northwest Iowa. In Cherokee County, six people in a single family were killed and three more died in one family near Newell. Further east and southeast, the tornado destroyed 80% of the homes of the 200 families in Pomeroy, leveling many houses to the ground and killing 49 people. Photos showed most of the town without a wall or tree left standing. In all, 71 people were killed, 200 injured and property losses totaled over \$400,000 from this twister in the four counties.

1906

Heavy rain fell at Sachsen, Germany totaling 10.2 inches in 24 hours.

1921

The mercury hit 104° at Ville Marie; Quebec, Canada's hottest temperature on record.

1928

A hailstorm at Potter, NE produced a stone 5.5 inches in diameter, and 17 inches in circumference, weighing a pound and a half.

1936

Minnesota recorded their hottest temperature ever when Moorhead hit 114°. Steele, ND recorded their states' hottest temperature with a reading of 121°.

1972

Unusually strong Canadian high pressure pushed a cold front into the central Gulf of Mexico bringing record chill to the central states. Richland Center, WI and St. Louis, MO set July record lows of 38° and 51° respectively. Other daily records: Lansing, MI: 39°, Detroit, MI: 42°, Columbus, OH: 43°, Toledo, OH: 43°, Dayton, OH: 44°, Springfield, MO: 44°, Peoria, IL: 48°, Springfield, IL: 48°, Lexington, KY: 49°, Topeka, KS: 50°, Fort Smith, AR: 50°, Columbia, MO: 51°, Des Moines, IA: 51°, Bristol, TN: 51°, Chattanooga, TN: 52°, Birmingham, AL: 54°, Nashville, TN: 54°, Oak Ridge, TN: 54°, Little Rock, AR: 55°, Wichita, KS: 55°, Oklahoma City, OK: 55°, Tulsa, OK: 55°, Huntsville, AL: 55°, Memphis, TN: 58°, DFW Airport, TX: 59°, Wichita Falls, TX: 59°, Shreveport, LA: 59°, Jackson, MS: 59°, Abilene, TX: 62°, Dallas, TX: 62° and San Antonio, TX: 65°.

1978

Severe thunderstorms developed over eastern South Dakota during the afternoon and moved quickly to the northeast. Numerous reports of high winds were reported that afternoon and evening. Winds of up to 80 mph were reported and hail as big as baseballs pounded some areas. A tornado produced widespread damage to crops and personal property across Turner and Lincoln counties. All the buildings on one farm were destroyed. Total property and crop damage from the storms was near \$20 million dollars.

1982

A severe thunderstorm which produced extremely high winds pummeled Sioux Falls, SD. The thunderstorm produced winds of 125 mph which swept across the city causing damage in a path ten blocks wide and three miles long. Damage, which was heaviest in the south central and northeast sections of town, included thousands of uprooted or damaged trees. Falling trees damaged numerous roofs, porches, garages, and vehicles. Five cars and several semi-trailer trucks were rolled over by the high winds. The National Weather Service office at the airport reported a gust of 82 mph. Damage at the airport included a portion of a hanger roof being blown off and three small aircraft being flipped.

The Temperature in Milan, Italy reached 100°, the second hottest day since 1980.

1983

Cool high pressure settled over the Great Lakes bringing record lows. The 41° at Grand Rapids, MI is the lowest ever recorded during the month of July. Chicago, IL set a daily record low with 46° and the low of 45° the next morning set the record low for July.

Other daily record lows included: Ste. St. Marie, MI: 36°, Muskegon, MI: 41° and La Crosse, WI: 48°.

1985

Lightning struck a large transformer at the Utah Power and Light generating station, sending a 200 foot fireball into the air. Almost the entire state of Utah lost power for  
Thunderstorm rains during the mid morning hours, and again during the evening, produced major flash-flooding at Leavenworth, KS. The official rainfall total was 10.37 inches, but unofficial totals exceeded a foot. Nearby Kansas City recorded a daily record for July with 5.08 inches.

Pocatello, ID set a new record low temperature for this date with an overnight low temperature of 35°. This reading also goes down in the record books as the coldest temperature ever recorded in Pocatello for the month of July.

1987

Thunderstorms produced severe weather in 21 states east of the Rockies, with severe weather reported in Kentucky and Indiana for the second day in a row. A thunderstorm produced more than 5 inches of rain in one hour near Reynolds, IL. Rochester, NY was soaked with 3.25 inches, a record 24 hour total for the month of July.

1988

Many cities in the north central and northeastern U.S. reported record high temperatures for the date. Afternoon temperatures of 101° at Flint, MI and 98° at International Falls, MN equaled all-time records. Highs of 96° at Muskegon, MI and 97° at Buffalo, NY were records for July. Other daily records included: Williamsport, PA: 101°, South Bend, IN: 100°, Alpena, MI: 100°, Detroit, MI: 100°, Grand Rapids, MI: 100°, Lansing, MI: 100°, Toledo, OH: 100°, Milwaukee, WI: 99°, Chicago, IL: 99°, Fort Wayne, IN: 99°, Indianapolis, IN: 99°, Green Bay, WI: 98°, Marquette, MI:

98°, Akron, OH: 98°, Youngstown, OH: 98°, Pittsburgh, PA: 98°, Cleveland, OH: 97°, Ste. St. Marie, MI: 96°, Mansfield, OH: 96°, Duluth, MN: 95° and Binghamton, NY: 92°.

Severe thunderstorms with very high winds raked northern Oklahoma. Winds gusted to 98 mph at Woodring Airport, near Enid, damaging several airplanes and hangars. Strong winds also blew off the roof of both a school in nearby Garber, and a museum in Elk City.

1989

Unseasonably hot weather prevailed in the southwestern U.S. Several cities reported record high temperatures for the date, including Las Vegas, NV with 115°. Hanksville, UT reached 112°, Bullhead City, AZ hit 120° and Death Valley, CA soared to 126°.

1994

Heavy rains from the remnants of Tropical Storm Alberto produced major flooding across central and northern Georgia, one of the worst ever for the state. Three day rainfall totals exceeded 15 inches in the Atlanta metro area. 21.10 inches was recorded at Americus. Macon was deluged with 9.73 inches in 24 hours. Massive road closings were common, along with numerous bridge washouts. Over 800,000 acres of land in Georgia and Alabama were flooded. 30 people lost their lives and 50,000 people were forced from their homes. Total damage exceeded \$750 million dollars.

1996

The hottest July temperature ever recorded in Oklahoma City, OK is 110°.

1997

More than 7,000 lightning strikes in 90 minutes lit up the skies over the Greater Vancouver and southern Vancouver Island in Canada. During the evening of the 7th and early morning on the 8th, Vancouver received more than 1.46 inches of rain, the second heaviest one-day rainfall ever recorded in July. The total exceeded the normal rainfall for the month of 1.42 inches.

The remnants of a western Pacific tropical storm dumped a 24-hour record July rainfall of 2.14 inches at Juneau, AK.

1998

A narrow band of thunderstorms dumped between 3 to 4 inches of rain, in less than three hours, over parts of north central and northeast Illinois. In LaSalle County, the heavy rain caused a portion of a road to collapse, leaving a hole about 12 feet wide and 10 feet deep.

1999

A 588-594 decameter heat ridge stretched across much of the country except for the northern tier. Record heat occurred across the Mid-Atlantic and Northeast. Record highs for the date included: Washington, D.C.: 103°, Raleigh-Durham, NC: 102°, Newark, NJ: 102°, Harrisburg, PA: 102°, Baltimore, MD: 101°, NYC-Central Park, NY: 101°, NYC-LaGuardia, NY: 101°, Salisbury, MD: 100°, Roanoke, VA: 100°, Allentown, PA: 100°, Reading, PA: 100°, Trenton, NJ: 100°, Atlantic City, NJ: 99°, Islip, NY: 99°, NYC-Kennedy, NY: 99°, Hartford, CT: 99°, Lynchburg, VA: 98°, Huntington, WV: 98°, Wilmington, DE: 98°, Philadelphia, PA: 98°, Bridgeport, CT: 98°, Elizabeth City, NC: 98°-Tied, Providence, RI: 97°, Wallops Island, VA: 97°, Scranton-Wilkes Barre, PA: 96°, Albany, NY: 95°, Concord, NH: 95° and Mt. Pocono, PA: 93°.

2001

A series of tornadoes and near-shore waterspouts plagued the area around Myrtle Beach, SC during the afternoon hours.

Heavy rain from thunderstorms produced 1.38 inches of rain in an hour at Jean, NV. Significant flooding of area roads was noted. Heavy rain in Las Vegas, NV also made several roads impassable.

2007

Death Valley, CA reached 129° the fourth time it has been so hot at this site since 1913.

2008

Canadian Mounted Police scrambled to shut down roads leading north from Highway 1, near Brooks, Alberta following a report of a tornado on Highway 36. Earlier, two tornadoes touched down east of Airdrie

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July 7th:

1905

The mercury soared to 127° at Parker, AZ to tie the state record established at Fort Mohave on the 6/15/1896.

1915

A severe thunderstorm caused heavy damage and 38 deaths in and near Cincinnati, OH. Many older buildings were demolished. The steamship "Dick Fulton" was overturned.

1937

North Island, New Zealand experienced its coldest night on record occurred as the low dropped to 8° at Chateau Tongariro.

1947

The world record for a 20 minute rainfall total was set in Curtea-de-Arges, Romania. 8.10 inches of rain fell in this period of time.

1949

The mercury soared at 87° at St. John's, Newfoundland Canada, the city's hottest day on record.

1981

Montanawas in the midst of a snowstorm that dumped 10 inches at Glacier National Park, and produced wind gusts to 90 mph.

Meanwhile, Denver, CO set a record high with a reading of 101°.

1982

France's hottest day on record occurred at Le Luc near St. Tropez when the high reached 109°.

1984

A 90 foot excursion boat carrying employees of the SCI Corporation on an outing capsized during a severe thunderstorm on the Tennessee River near Huntsville, AL, killing 11 people. The disaster was caused by a microburst.

Highest minimum temperature records were set each day at San Diego, CA for 15 consecutive days beginning on this date when the overnight low only dropped to 71°.

1987

In the midst of a record 39th day string of 100 degree days, the temperature at Tucson, AZ dipped to 66°, marking their third straight record low.

A strange temperature fluctuation occurred at Greensburg, KS. The 7am temperature was 75°. Within a few minutes, the mercury shot up to 95°, then fell back to 86° by 8am. This was accompanied by dust devils. An approaching cold front was suspected to be the cause.

1988

Many cities in the north central and northeastern U.S. reported record high temperatures for the date. Youngstown, OH hit 100°, and for the second day in a row, Flint, MI reached 101°, equaling all-time records for those two cities. Grand Rapids, MI set a record high with 98.

1989

Thunderstorms produced severe weather during the day, with more than 100 reports of large hail and damaging winds from Ohio to Massachusetts and New Hampshire. Thunderstorm winds reached 90 mph in Sullivan County, NH, and golf ball size hail was reported in parts of Pennsylvania.

Many cities, mostly in the southwestern U.S., reported record high temperatures for the date. Afternoon highs of 105° at Cedar City, UT and 114° at Moab, UT were all-time records for those locations. Other daily records included: Victorville, CA: 110°, Scottsbluff, NE: 109°, Chadron, NE: 109°, Boise, ID: 108°, Grand Junction, CO: 103°, Wheatland, WY: 103°, Denver, CO: 102°, Alliance, NE: 102°, Casper, WY: 101°, Billings, MT: 101°, Havre, MT: 100°, Missoula, MT: 99°, Helena, MT: 98°, Lander, WY: 98°, Great Falls, MT: 97°, Cheyenne, WY: 97°, Alamosa, CO: 93° and Big Bear Lake, CA: 91°.

1991

Tornadoes struck across southern Lower Michigan. A tornado damaged about 20 homes near Highland in Oakland County. More damage occurred near Okemos in Ingham County and a home and some outbuildings were damaged as a tornado moved northeast of Rockford in Kent County. A tornado also briefly touched down northwest of Plainwell in Allegan County but did no damage. Overall, \$30 million dollars in damage resulted with wind gusts over 85 mph. Over 850,000 people were without electricity following the storms; some for up to a week.

1993

The day after lightning started several fires, strong non-thunderstorm winds blew across much of northern Oklahoma. Winds gusted to 70 mph and lasted for several hours. A 1,200 pound bale of hay was rolled a quarter mile by the winds that also blew down many trees. Highway 51, near Hennessey, was closed until the downed trees could be cleaned up.

When clusters of thunderstorms collapse and dissipate rapidly, they sometimes produce a downburst of very warm air, called a "heat burst ". A collapsing thunderstorm in the northeast part of the Texas Panhandle produced a heat burst that reached Arnett and Gage, OK just before midnight. Winds gusted to 67 mph at Arnett, as the temperature rose from 82° to 97° in 30 minutes. At Gage, the wind gusted to 70 mph, while the temperature rose from 85° to 102° in one hour.

1996

A 35-year-old male was scuba diving in the Gulf just offshore Navarre Beach, FL. A strong rip current ripped his mask off and he was overcome by the water. He was brought to shore and taken to a local hospital but died later that day. A man was caught in a severe rip current and drowned in the Gulf of Mexico at Seagrove Beach, FL. Another man drowned when caught in a severe rip current in the Gulf of Mexico at Inlet Beach. His body washed ashore the next day at Panama City Beach, east of where he drowned.

2002

The grey skies that greeted residents of the Northeast were not low clouds, or fog or even smog. There was a distinct smell of smoke in the air at Boston, MA. Visibilities dropped to less than one mile over a wide area. The opaque skies were the result of smoke from forest fires burning north of the border in Canada.

2004

A tornado hit Rockwell Pass in Sequoia National Park, California. The ground-level base of the tornado was estimated to be 12,000 feet, making it the highest elevation tornado ever observed in the U.S. On inch diameter hail accompanied the tornado for about 15 minutes.

A 9 year old boy was struck by lightning while at a playground in Arvada, CO. An umpire at a nearby baseball game, along with two-passers-by administered CPR and resuscitated the boy who had quit breathing. The boy suffered first and second degree burns but was released from the hospital in less than 24 hours. A dry microburst over Denver International Airport produced a wind gusts of 61 mph.

An earthquake occurred in south-central Oklahoma, centered 5 miles north of Lone Grove. The United States Geological Survey measured the quake magnitude as a 3.5 on the Richter scale, which was felt in Lone Grove and Ardmore. Coincidentally, a couple hours later, a large meteor entered the earth's atmosphere over the south-central United States. Around 9:30 PM, the fireball was seen in the skies over northern Texas and southwestern and central Oklahoma.

In the eastern province of Anhui, China severe thunderstorms sporting walnut-sized hailstones and strong winds damaged or destroyed 18,000 homes and caused three deaths and 143 injuries.

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July 8th:

Today is one of just two days in the late Spring and Summer season (May through August) that hail has not officially been recorded at Cheyenne, WY. The only other day in that time period is August 21st.

1707

Several men and horses were killed by heatstroke as temperatures reach an estimated 100° in the United Kingdom. This was probably the United Kingdom's hottest day since the Medieval Warm Period estimated between 1100-1250.

1788

Hail piled up to a depth of 34 inches at Canterbury, CT. The melting ice caused significant flooding.

1816

Frost was reported in low-lying areas throughout New England as the year without a summer continued.

1886

Severe thunderstorms in Swift and Brown Counties of Minnesota produced high winds and intense hail. Nearly every home in Sleepy Eye, MN was moved off its foundation by the storm which came during the night.

1916

The remnants of the July 5th hurricane that struck the Gulf Coast drifted north and east near Birmingham, AL. The Magic City received 8.84 inches of rain in 24 hours, which is their all-time record. Another hurricane would make landfall near Pensacola, FL later in the month and dump more heavy rain on Birmingham, where the monthly rainfall total reached 20.16 inches, a monthly record that still stands.

1936

The greatest heat wave on record gets underway across Michigan. Grand Rapids saw high temperatures at or above 100° on six of the next seven days, including an all-time record high of 108° on the 13th. Lansing will peak at 101° on the 14th.

Temperatures soared to 105° at Toronto, Ontario Canada on three consecutive days through the 10th.

1950

The town of York, NE was deluged with 13.15 inches of rain in 24 hours to establish a state record.

1975

Three people were killed and six others were injured when lightning struck a walnut tree near Mayo, FL. The nine people were stringing tobacco under a tin shed when the bolt hit the nearby tree.

1984

Cool Canadian air settled in across the Great Lakes region. Many record low temperatures were set including: Alpena, MI: 38°, Youngstown, OH: 44°, Muskegon, MI: 45°, Cleveland, OH: 45°, Detroit, MI: 45°, Pittsburgh, PA: 45°, Grand Rapids, MI: 46°, South Bend, IN: 47°, Buffalo, NY: 47°, Chicago, IL: 48°, Columbus, OH: 49°, Dayton, OH: 49°, Erie, PA: 50°, Indianapolis, IN: 51° and Cincinnati, OH: 51°.

1987

Thunderstorms in the central U.S. produced wind gusts to 90 mph at Waterloo, IA, 6.38 inches of rain at Tescott, KS, and 25 minutes of golf ball size hail at Drummond, OK.

1988

Many cities in the north central and northeastern U.S. reported record high temperatures for the date. Beckley, WV equaled their all-time record with a high of 93°. Other daily record included: Nashville, TN: 105°, Louisville, KY: 103°, Paducah, KY: 102°, Charleston, WV: 102°, Huntington, WV: 102°, Williamsport, PA: 102°, Jackson, KY: 101°, Knoxville, TN: 101°, Oak Ridge, TN: 101°, Harrisburg, PA: 101°, Bristol, TN: 100°, Akron, OH: 99°, Cleveland, OH: 99°, Youngstown, OH: 99°, Avoca, PA: 99°, Pittsburgh, PA: 99°, Mansfield, OH: 98°, Ste. St. Marie, MI: 97°, Asheville, NC: 96°, Buffalo, NY: 96°, Binghamton, NY: 95°, Elkins, EV: 94° and Erie, PA: 94°.

Afternoon and evening thunderstorms spawned seven tornadoes in Adams and Logan counties of eastern Colorado, and hail caused \$2.3 million dollars damage in Adams, Logan and Washington counties.

1989

Many cities in the central and western U.S. reported record high temperatures for the date. The high of 103° at Denver, CO equaled their record for July, and a 110° reading at Rapid City, SD equaled their all-time record high. Denver reported a record five straight days of 100 degree heat, and Scottsbluff, NE reported a record eight days in a row of 100 degree temperatures; with this day reaching 108°. Other daily records included; Las Vegas, NV: 113°, Victorville, CA: 111°, Valentine, NE: 108°, Sheridan, WY: 106°, Grand Junction, CO: 104°, Casper, WY: 102°, Sioux Falls, SD: 102° and Colorado Springs, CO: 97°.

1991

0.95 inches of rain fell in 15 minutes along with 62 mph wind gusts at Washington, D.C. Over 2 inches of rain fell in just 20 minutes across parts of northern Virginia.

1992

Severe thunderstorms produced a very long downburst at Concordia, KS. Peak one minute sustained winds reached 108 mph at Concordia Airport and exceeded 60 mph for over 20 minutes. Six people were injured and damage was estimated at \$25 million dollars.

1993

A cold front moved into northwest Iowa developing thunderstorms by the late afternoon hours. Golf ball to baseball size hail pounded the area around Schleswig in Crawford County causing total crop destruction in the area. The largest hail reported was at Little Sioux in Harrison County where three inch diameter hail destroyed crops. In Dow City of Crawford County, 85 mph winds leveled a farm. The other major event with these thunderstorms was the heavy rainfall. 3 to 7 inches of rain was common with Manilla and Denison receiving about 7.50 inches of rain. In Crawford County, damage from flash flooding was estimated at \$15 million dollars. Severe flood damage occurred in 50 homes in Denison and 36 in Dow City. Monona County also received rains of 4 to 9 inches from Onawa east into Harrison County. The heavy rainfall was a prelude of record flooding to come on the Raccoon and Des Moines River, during the Great Flood of 1993. This was the 37th day of rain in the past 40 days in Iowa.

Massive flooding rocked portions of eastern South Dakota. Residents were cleaning up from tremendous flooding which occurred from July 3rd to July 7th. Flash flooding resulted from thunderstorms which moved across southeast South Dakota dumping 3 to 6 inch rains on already saturated ground. In Mt. Vernon, 90% of the homes were damaged by flood waters as 2 to 3 feet of water rushed down Main Street. At least seven bridges were washed out in Hanson and McCook counties and many more were damaged or under water. Water covered fields for mile after mile in McCook, Miner, and Lake Counties. In Madison, 2,000 residents including a nursing home had to be evacuated. At least 50 people were brought out their homes on boat with several people having to be rescued. Near Lake Madison the water rose to the roofs of some homes.

An F1 tornado touched down 3 miles north of Platteville, WI. Three houses, two barns, and two

sheds were damaged. Trees were blown down as well. Another F1 tornado occurred just east of Beetown, WI. It damaged a mobile home, car, pole shed, and nearby trees.

Columbia, MO received 5.18 inches of rain over 24 hours ending on this date.

Severe thunderstorms moved across northern parts of Oklahoma, creating widespread wind damage. Most of the damage was reported in the Newkirk and Blackwell areas of Kay County, where large trees were toppled.

1999

One of the worst flash flood events in Las Vegas, NV history occurred on this date damaging roads and buildings, sweeping away vehicles and bringing the entire city almost to a standstill from late morning through late afternoon. Thunderstorms formed over the elevated west side of the valley and began dumping heavy rain between 10 and 11am PDT. The storms slowly drifted to the east producing rainfall amounts over 1.5 inches across a substantial part of the metro area and some localized amounts topping 3 inches. The downpours forced closure of McCarran International Airport for about one hour and arriving planes were diverted to Los Angeles. Most of the rain ended by noon, but not before heavy runoff turned surface roads and washes into raging rivers carving a path of destruction toward the lower east side. Early during the event, a roof collapsed on a motorcycle dealership under a heavy downpour but that was only a precursor to more significant damage to come throughout the day. Hundreds of motorists were forced to abandon their vehicles and helplessly watch as their cars were partially submerged or carried away. Numerous homeowners could do nothing but save a few items as flood waters poured into ground level floors and basements. Perhaps the most graphic display of property destruction occurred at the Miracle Mile Mobile Home Park which is located near the edge of Flamingo Wash on the east side of the valley. The rushing water eroded the unlined banks so extensively that at least one mobile home fell into the wash and four others were destroyed. Electricity was knocked out for a few hours to 2,500 customers and some gas lines were broken by the force of the water. The Las Vegas Strip also saw significant flooding with the most notable damage occurring in the Forum Shops at Caesars Palace where two feet of water damaged over 60 stores and forced evacuation of the luxury shopping mall. Over 200 swift water rescues were performed before flood waters receded and it is remarkable that only one drowning occurred. A homeless man's body was pulled from debris in the Flamingo Wash early in the afternoon. Several Clark County Flood Control gauges recorded water levels in area washes and the Gowan Detention Basin filled up to 22 feet deep, one foot below its capacity. An estimated \$25 million dollars in damage occurred to both public and private property. On July 20th, President Clinton declared the event a federal disaster.

Three inches of rain fell at Las Vegas, NV from a monsoon thunderstorm, most of it in just one hour. The storm was the worst in Vegas in many years, turning streets into rivers, washing away bridges and cars and killing two people. McCarran International Airport was closed for an hour. Many tourists took refuge in the casinos along the strip.

Heavy rains also caused flooding at San Jacinto, Palm Springs, Cathedral City and Palm Desert, CA.

2001

An F3 tornado struck northeast of Milan, Italy uprooting trees, damaging cars and causing several injuries.

2003

A weak F0 tornado swirls across a farm near Ste-Jeanne-d'Arc, Quebec Canada. It split trees and lifted several buildings from their foundations.

What may be the world's highest dew point temperature was recorded at Dhahran, Saudi Arabia, on the Persian Gulf. A dew point of 95° was recorded at 3pm while the air temperature was 108°. The apparent temperature at that time would have been an unimaginable 172°.

2008

A strong microburst produced straight line wind damage in the Hurricane Deck and Osage Beach areas of Camden County in central Missouri. The winds were estimated at 80 to 90 mph and did extensive damage to docks and boats in the area.

2009

A tornado passed through the city of Dickinson, ND, on the far south side, mainly just south of the Heart River. No witnesses spoken to actually saw the tornado. From their eye witness accounts, and from video obtained by the Dickinson Police Department, it is likely that this was a rain-wrapped tornado, and very difficult if not impossible to see. The tornado occurred before sunset, yet it was described as being as dark as night during the event. Over 450 structures were damaged, of which nearly 100 were declared completely destroyed or beyond repair. Numerous vehicles were damaged or destroyed, some were on their roofs. Power lines were snapped, knocking out power to most of Dickinson, and tree damage was extensive. Two minor injuries were reported, with no deaths. The worst damage surveyed was between the Heart River and roughly 8th Street Southwest and 8th Street Southeast in southern Dickinson. Of that damage, the absolute worst corresponded to middle EF3. From that it was determined that peak wind speeds in the tornado were

on the order of 150 mph.

An intense Antarctic cold front brought heavy snow, hail, strong winds and unusually cold temperatures to southern Peru. The severe conditions were blamed for the deaths of more than 150 children due to cold related illnesses. Low temperatures in some areas have dropped to -22°.

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July 9th:

1860

A hot blast of air in the middle of a sweltering summer pushed the mercury up to 115° at Fort Scott and Lawrence, KS.

1882

Ice formed on the streets of Cheyenne, WY during a rare summer freeze.

1914

Finland's hottest day on record occurred as the town of Turku hit 97°.

1933

The hottest day in Sweden on record occurred as the town of Ultina hit 100°.

1936

The temperature hit an all-time record high of 106° at the Central Park Observatory in New York City, a record which lasted until LaGuardia Airport hit 107° on 7/3/1966. Phoenixville set Pennsylvania's all-time record with 111°.

Other daily records included: Aberdeen, SD: 115°, Huron, SD: 107°, Williamsport, PA: 106°, Lexington, KY: 106°, Columbus, OH: 105°, Washington, D.C.: 104°, Evansville, IN: 104°, Waterloo, IA: 104°, Albany, NY: 103°, Allentown, PA: 103°, Avoca, PA: 103°, Harrisburg, PA: 103°, Philadelphia, PA: 103°, Baltimore, MD: 103°, Indianapolis, IN: 103°, St. Louis, MO: 103°, Rochester, NY: 102°, Syracuse, NY: 102°, Lynchburg, VA: 102°, South Bend, IN: 102°, Pittsburgh, PA: 101°, Roanoke, VA: 101°, Akron, OH: 101°, Rochester, MN: 101°, Wilmington, DE: 100°, Charleston, WV: 100°, Mansfield, OH: 100°, Toledo, OH: 100°, Hartford, CT: 99°, St. Cloud, MN: 99°, Erie, PA: 98°, Youngstown, OH: 98°, Duluth, MN: 98°, Cleveland, OH: 97°, Elkins, WV: 95° and Beckley, WV: 94°.

1938

A deadly, estimated F4 tornado moved east-southeast across the eastern edge of Andover, SD to north of Bristol, SD. 17 buildings were destroyed at Andover, and at least one home was completely swept away. Seven homes and a church also suffered damage. An elderly person was killed at the western edge of Andover and a couple died in a home at the southern edge of town. About two hours later, another estimated F4 tornado moved east-northeast from two miles northeast of White, South Dakota in Brookings County to Hendricks, MN. Only one person was injured from this storm.

1959

A severe thunderstorm crossed from France into England leaving a 130-mile hail swath across southeast England. The town of Wokingham was pelted with baseball size hail. The storm passed over an intensive field research program allowing it to be one of the most intensely studied supercell storms at the time.

1968

Columbus, MS received 15.68 inches of rain in 24 hours to establish a state record.

1979

Hurricane Bob was born in the Gulf of Mexico, becoming the first Atlantic Hurricane to be given a male name.

A tornado moved along six blocks of Cocoa Beach, Florida's motel strip, severely damaging four motels, an office complex, a fast food restaurant, a bank, pharmacy and supermarket. Many cars were damaged as the tornado moved north along A1A. Only six minor injuries were reported.

Severe thunderstorms struck the western parts of north Texas. The worst storms were in Foard County, and in the Vernon area. Near Vernon, 80 mph winds blew cars off Highway 287, while in Foard County Highway 70 was temporarily closed when a tractor trailer was blown over onto its side. A second tractor trailer was turned over near Crowell by winds estimated at 80 mph.

1982

Wind shear caused the crash of Pam Am flight 759 after takeoff from New Orleans International Airport in Louisiana. 145 people on the plane and 8 people on the ground were killed.

1987

Thunderstorms produced severe weather in Michigan. A tornado near Munising, MI destroyed part of

a commercial dog kennel, and one of the missing dogs was later found unharmed in a tree top half a mile away.

It was the 33rd consecutive 100 plus degree day at Tucson, AZ, breaking the record. Strangely enough, the morning low was a record 68° was the 4th record breaking low in the past five days.

1988

Many cities in the eastern U.S. reported record high temperatures for the date. Alpena, MI and Buffalo, NY suffered through their 6th straight day of record heat. Daily records included: Cincinnati, OH: 103°, Louisville, KY: 103°, Nashville, TN: 103°, Chattanooga, TN: 102°, Knoxville, TN: 102°, Oak Ridge, TN: 102°, Huntington, WV: 100°, Jackson, KY: 100°, Fort Wayne, IN: 100°, Burlington, VT: 97°, Bristol, TN: 96°, Binghamton, NY: 95°, Buffalo, NY: 92° and Portland, ME: 92°. The percentage of total area in the country in the grips of severe to extreme drought reached 43%, the 4th highest total of record. The record of 61% occurred during the summer of 1934.

Heavy rain producing thunderstorms formed over the southeast side of the Las Vegas Valley in Nevada during a two hour period. At the onset of the storms, a lightning strike set fire to a large house which completely destroyed the structure. Over one inch of rainfall led to flash flooding which forced the closure of several streets in Henderson and East Las Vegas. One car was stranded and damaged by flood waters early in the afternoon and another car was caught in flood waters in the Las Vegas Wash during the evening, long after the thunderstorms had ended.

1989

Morning thunderstorms produced very heavy rain in southern Lower Michigan and northern Indiana. Up to 5.6 inches of rain was reported in Berrien County, Michigan.

Scottsbluff, NE recorded their last of 9 consecutive days with a high temperature of at least 100°, Scottsbluff's longest 100 degree streak on record. Sioux Falls, SD reported a record high of 108°.

1992

Severe thunderstorms produced a swath of very large and damaging hail and damaging winds. Golfball-size hail and 60 mph winds were reported on the west side of Decatur, IL with numerous roofs and automobiles damaged by the hail. Hail grew to nearly the size of baseballs by the time the storms reached the Charleston/Mattoon areas. Total damage from the storms was estimated around \$5 million dollars.

1993

One of the strongest and most long-lived wind events of recorded history in the Midwest pounded portions of Nebraska and Iowa. The wind event, called a Derecho, actually started near Goodland, KS and raced across southern Nebraska and into Iowa traveling at 60 mph. In the Omaha metro area, tree and property damage was heavy as 70 to 100 mph winds caused \$7 million dollars in damage. Also in Nebraska, power line damage alone totaled \$30 million dollars and total property damage was estimated near \$100 million dollars. This wind storm even spawned a tornado in the city of Lincoln, NE causing damage to the north end of town. As the derecho moved into southwest Iowa, 13 high-tension power line poles were downed on the east side of Council Bluffs. Winds continued in the 85 mph range as far as east as Fremont County, Iowa before finally subsiding in the central part of the Hawkeye State.

11 inches of rain fell overnight in Scranton, IA. Much of the downtown of Davenport, IA was under water as the Great Flood of 1993 raged on.

Across the east, record daily high temperatures were set at: Newark, NJ: 104°, NYC-Kennedy Airport, NY: 101°, Greensboro, NC: 101°, Atlantic City, NY: 100°, Wallops Island, VA: 100°, Dulles Airport, VA: 99°, NYC-LaGuardia, NY: 98°, Concord, NH: 95° and Islip, NY: 93°.

1996

Hurricane Bertha became a major hurricane north of Puerto Rico, with 115 mph winds, the first of six major hurricanes that year. The storm would later threaten Florida and eventually make landfall in North Carolina on July 12th, near Wrightsville Beach.

1998

Heavy rain producing thunderstorms formed over the southeast side of the Las Vegas Valley in Nevada during a two hour period. At the onset of the storms, a lightning strike set fire to a large house which completely destroyed the structure. Over one inch of rainfall led to flash flooding which forced the closure of several streets in Henderson and East Las Vegas. One car was stranded and damaged by flood waters early in the afternoon and another car was caught in flood waters in the Las Vegas Wash during the evening, long after the thunderstorms had ended.

2001

Flash flooding affected many areas in eastern Illinois, between Danville and Lawrenceville. Observers and radar estimates indicated from 8 to 10 inches of rain fell in parts of Edgar and Coles Counties, causing widespread flooding. One person died several hours after the heavy rain

ended, when he drove into a flooded area near Oakland, in Coles County.

The temperature at New York City reached 103°, their hottest day in 24 years.

2002

Idyllwild, CA hit 101°, their highest temperature on record and the earliest 100-degree reading of the season. Other daily record included: Victorville, CA: 110°, Palomar Mountain, CA: 96° and Big Bear Lake, CA: 93°.

2003

A new July maximum temperature record was set as Anchorage, AK hit 84°.

2004

A tornado swept through Grande Prairie, Alberta Canada about 280 miles northwest of Edmonton. No injuries were reported, but a car was flipped, hydro poles snapped and shingles were ripped from buildings.

2007

Death Valley, CA recorded its 32nd consecutive day over 100° with a reading of 121°.

The Argentine capital experienced their first major snowfall since 6/22/1918 as a wet snow spread a thin white mantle over the area. The storm hit on Argentina's Independence Day holiday thus adding to a festive air. Thousands of Argentineans cheered the event, throwing snowballs in the streets. Local radio stations dusted off an old tango song inspired by the 1918 snowfall: What a night!

2009

A tornado tore through the Fisherman's Cove camp on Lac Seul, Ontario Canada shortly before 8:30 pm killing two people. Its path moved directly over cabins where three men from Oklahoma were staying. Two bodies were found at the lake, a third could not be immediately found. The winds shifted a third cabin several yards, but the five people inside sustained only minor injuries. Environment Canada classified the tornado as an F2.

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July 10th:

1911

Maine recorded their hottest temperature ever as the town of North Bridgton soared to 105°.

1913

The mercury hit 134° at Greenland Ranch in Death Valley, CA, the hottest reading on record for the North American continent. Sandstorm conditions accompanied the heat. The high the previous day was 129°, following a morning low of 93°.

1926

A lightning bolt struck an ammunition magazine in northern New Jersey, and a big red ball of fire leaped into the air triggering a series of explosions. All buildings within a half mile radius were destroyed, and debris fell as far as 22 miles away. 16 people were killed, and property damage was estimated at \$70 million dollars.

1936

Afternoon highs of 112° at Martinsburg, WV, 109° at Cumberland and Frederick, MD, 110° at Runyon, NJ, and 111° at Phoenixville, PA, established all-time record highs for those four states. It was the hottest day of record for the Middle Atlantic Coast Region. All-time record highs were set at: Huron, SD: 112°, Baltimore, MD: 107°, Lynchburg, VA: 106° and Youngstown, OH: 103°. All-time records were tied at Williston, ND: 109°, Lexington, KY: 108° and Roanoke, VA: 105°.

Chadron, NE recorded its last of none consecutive days with a high temperature of at least 100 degrees, an all-time record. Other daily records included: Aberdeen, SD: 114°, Bismarck, ND: 110°, Fargo, ND: 110°, Grand Forks, ND: 108°, South Bend, IN: 106°, Peoria, IL: 106°, Rockford, IL: 106°, Waterloo, IA: 106°, Minneapolis, MN: 106°, St. Cloud, MN: 106°, Cincinnati, OH: 105°, Indianapolis, IN: 105°, Moline, IL: 105°, Rochester, MN: 105°, Williamsport, PA: 104°, Philadelphia, PA: 104°, Huntington, WV: 104°, Richmond, VA: 104°, Louisville, KY: 104°, Evansville, IN: 104°, Kansas City, MO: 104°, Harrisburg, PA: 103°, Allentown, PA: 103°, Wilmington, DE: 103°, Des Moines, IA: 103°, Dubuque, IA: 103°, Rochester, NY: 102°, Charleston, WV: 102°, Toledo, OH: 102°, Chicago, IL: 102°, Syracuse, NY: 101°, Avoca, PA: 101°, Chattanooga, TN: 101°, Knoxville, TN: 101°, Hartford, CA: 100°, Albany, NY: 100°, Atlanta, GA: 100°, Mansfield, OH: 100°, Asheville, NC: 99°, Erie, PA: 98°, Akron, OH: 98°, Cleveland, OH: 97°, Beckley, WV: 96°, Elkins, WV: 96° and Worcester, MA: 95°.

1955

A severe thunderstorm produced 2.10 inches of rain in just one hour at Boston, MA, their greatest one hour rainfall on record.

1959

Yuma, AZ reached 118°, the hottest reading during an extended heat wave that saw temperatures rise to over 100° for an entire month.

1973

The temperature at Lethbridge, Alberta Canada soared to 103°.

1975

A tornado damaged two subdivisions and a school near Hwy. 50 at Titusville, FL. Five homes were unroofed and 10 others damaged. Cars were crushed by falling trees. There were no injuries. One witness described the tornado as a huge funnel with an unusually large base. Another person said that it sounded like a train rolling through. Heavy rain and hail were also reported.

Baltimore, MD picked up 4.66 inches of rain in 24 hours.

1979

Record heat occurred from west Texas to the Southwest. The temperature at El Paso, TX hit 112°, an all-time record for that location. The next day was 110°. Palm Springs, CA tied their all-time record high with 123° (8/1/1993 & 6/29/1995). Other daily records included: Borrego Springs, CA: 116°, Tucson, AZ: 109° and Albuquerque, NM: 103°.

1980

The temperature in downtown Kansas City, MO hit 109° (104° at the airport), following a sultry overnight low of 89°. That low was the warmest low on record for Kansas City, and overall it was the hottest July day on record. It was the 7th of a record 17 consecutive days of 100 degree heat, and the mean temperature for the month of 90.2° was also an all-time record for that location.

Other daily records included: Wichita, KS: 110°, Concordia, KS: 108°, Topeka, KS: 106°, Lincoln, NE: 103°, Macon, GA: 103°, Columbus, GA: 101°, Tupelo, MS: 101°, Springfield, MO: 100°, Jackson, MS: 100°, Duluth, MN: 95° and International Falls, MN: 95°.

1984

An F2 tornado touched down in the Dellwood subdivision along Castle Rock Lake, WI. A total of 59 homes were hit and 14 were destroyed. More than 2,000 trees were downed. Winds from the accompanying thunderstorm also flattened a potato warehouse 12 miles north of Friendship. An F1 tornado touched down south of Decorah, IA and wrought significant damage to more than one farmstead. The storm turned a 40,000 bushel grain bin inside out and wrapped it around a chicken house.

1987

An early morning thunderstorm in Minnesota produced wind gusts to 91 mph at Waseca. Later that day, thunderstorms in South Dakota produced wind gusts to 81 mph at Ipswitch.

1988

Thunderstorms brought welcome rains to parts of the central U.S., but produced severe weather along the New England coast, the Great Lakes Region, North Carolina, and in the Southern Plateau Region. Strong thunderstorm winds gusting to 80 mph at Bullfrog, UT sank three boats on Lake Powell.

1989

Severe thunderstorms spawned 17 tornadoes across New York, Massachusetts, New Jersey & Connecticut. A powerful F4 tornado struck Hamden and New Haven, CT, causing \$100 million dollars damage at Hamden, and \$20 million dollars damage around New Haven. 40 people were injured.

70 people were injured in a tornado which traveled from Watertown to Waterbury, CT, and another powerful F4 tornado touched down near Ames, NY injuring 20 people along its 43+ mile track. It was the strongest tornado on record for eastern New York State. Another twister was reported near New York City. The thunderstorm complex that produced the tornadoes produced over 12,500 lightning strikes.

1993

Seven inches of rain fell in one hour at Adrian, MN. During normal summers, such incredible downpours might cause flash flooding, but not widespread river flooding. But during the spring and summer of 1993, such events were commonplace and the resulting flooding was catastrophic.

Meanwhile, more record heat occurred across the east. Record highs included: Newark, NJ: 105°, NYC-Central Park, NY: 102°, Atlantic City, NY: 101°, NYC-Kennedy, NY: 100°, Providence, RI: 100°, Wilmington, NC: 100°, NYC-LaGuardia, NY: 99°, Dulles Airport, VA: 99°, Raleigh, NC: 99°, Portland, ME: 98°, Concord, NH: 98° and Islip, NY: 98°.

1996

A man swimming off Jacksonville Beach, FL drowned in a strong rip current associated with Hurricane Bertha.

Lightning hit areas in and around San Diego, CA. Power was knocked out in central San Diego and the zoo. 0.09 inches of rain fell; one of their wettest July days on record. Microburst winds, estimated at over 60 mph, swept through the vicinity of Black Mountain Golf Course downing many mature trees and several power poles. At least two homes lost parts of their roofs and numerous homes lost shingles or roof tiles. Also, three new homes being framed were knocked down along with several fences and signs.

2000

Thunderstorms brought heavy rain and strong winds to northeast Illinois, during the early morning hours. Flash flooding occurred in parts of La Salle, De Kalb, Kendall and Kankakee Counties, where rainfall of 4 to 7 inches was reported. Nearly 15,000 people were without power for 12 hours. Flooding ripped up 50 feet of pavement in downtown Kankakee.

2002

During a record heat wave across the western U.S. that saw many daily records tumble, Reno, NV set a new all time record high when temperatures reached 108° surpassing the old record of 106° set on 07/20/1931. This record was equaled the next day. A few other sites in Nevada set new all-time records, including Carson City with 104°. Other locations setting all-time record highs: Victorville, CA: 116° and Grant Grove in Kings Canyon National Park, CA: 91°.

A bolt of lightning killed two soccer players and injured five others during a match at Dnepropetrovsk, Ukraine.

2004

Kodiak, AK tied their all-time July high with a temperature of 82°.

2005

Hurricane Dennis made landfall in the Florida panhandle on Santa Rosa Island between Naverre Beach and Gulf Breeze near Pensacola around 3:30pm ET. Dennis was an early-forming major hurricane in the Caribbean and Gulf of Mexico during the 2005 Atlantic hurricane season. Dennis was the fourth named storm, second hurricane, and first major hurricane of the season. Maximum sustained winds at landfall dropped from 145 mph earlier in the day to 120 mph with a minimum central pressure of 946 millibars or 27.94 inHg. Total damage was estimated at \$4 billion dollars.

Street flooding occurred at Billings, MT due to an afternoon thunderstorm that dumped 1.16 inches of rain in just 45 minutes.

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