

## OCTOBER 11TH - 20TH WEATHER HISTORY

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

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October 11th:

What city in the United States has the most days with precipitation?

Well, not by coincidence Hilo, HI, which is the wettest city in the country with an annual average precipitation of 128.37 inches, also has the most rainy days at 277.

Number 2 on the list is Quillayute, WA with 210 days.

1737

A deadly cyclone and storm surge of 42 feet raced up the Hooghly River through the city of Calcutta, India destroying an estimated

1836

For the 3rd straight Wednesday, snow fell in parts of New York State. 35 inches fell at Cornell University in Hamilton, NY.

1846

The Great Key West Hurricane of 1846 was one of the most significant hurricanes to strike Florida in the 19th century, causing great destruction in the Florida Keys.

Key West was virtually destroyed with 5 feet of water inundating the city. Two major lighthouses were destroyed by the hurricane.

1902

A hurricane came ashore along the Mississippi/Alabama coast then moved northeast, passing across the southern Delmarva as an extratropical storm overnight to the next morning. Philadelphia, PA received 1.06" of rain, a daily record that held for 100 years, until 2.04" fell in 2002. An additional 0.47" fell on the 12th.

Maximum sustained winds near the center of the storm were estimated at 40 mph. New Haven, CT, measured a gust to 65 mph on the 12th.

1906

It was extremely cold for the all-Chicago World Series between the Cubs and White Sox. The game time temperature on this date was just 43°, but the day before, snow flurries was reported during the game along with freezing temperatures.

1909

A Hurricane recurved over the extreme southern tip of Florida. The Weather Bureau station on Sand Key estimated winds at 100 mph.

All trees were blown down and heavy seas swept over the island. The lowest barometer reading was 960 millibars or 28.36 inHg.

At Key West, the barometer fell to 965 millibars or 28.50 inHg and the highest wind gust was 94 mph. About 400 buildings collapsed. 15 people were killed.

1918

Puerto Rico's greatest earthquake produced a huge tsunami. A total of 118 people died in the disaster.

1925

Widespread early season snows fell in the northeastern U.S., with as much as 2 feet reported in New Hampshire and Vermont. The heavy snow blocked roads and cancelled football games.

1943

The high temperature at Billings, MT reached 70°, the 22nd straight day of highs of 70° or greater, their longest such stretch after September 15th. The next day the high was 57°.

1944

The trace of rain recorded on this date ended a streak of 101 consecutive dry days in Las Vegas, NV.

1947

A hurricane moved out of the Caribbean and passed near Key West during the evening, then crossed south Florida, exiting into the Atlantic near Ft. Lauderdale.

Peak hurricane winds were 95 mph and one death was reported. Several tornadoes were spawned by the hurricane.

1954

Chicago, IL was deluged with 6.72 inches of rain in 48 hours with one unofficial reading of 10 inches. The Chicago River flooded resulting in \$10 million dollars damage.

1963

A ridge of high pressure brought record heat to parts of the Rockies and Missouri Valley. St. Louis, MO set their all-time record high of 94°. Other daily records included: Little Rock, AR: 97°, Fort Smith, AR: 96°, Beaumont-Port Arthur, TX: 94°-Tied, Springfield, MO: 91°, Louisville, KY: 89°, Paducah, KY: 89° and Grand Junction, CO: 85°.

1967

Freezing rain fell for 11 hours at Schefferville, Quebec Canada.

1977

The wet community of Ketchikan, AK experienced its wettest day on record as 8.71 inches fell.

1987

Canadian high pressure brought another morning of record cold to the Midwest and Great Lakes. Dodge, WI had their all-time coldest October temperature with 9°. Other record lows included: Waterloo, IA: 16°, St. Cloud, MN: 16°, Scottsbluff, NE: 16°, Norfolk, NE: 18°, Rapid City, SD: 18°-Tied, Sioux City, IA: 19°, Sioux Falls, SD: 20°, Des Moines, IA: 21°, Lincoln, NE: 21°, Marquette, MI: 21°, Green Bay, WI: 21°-Tied, Grand Island, NE: 22°, La Crosse, WI: 22°, Dubuque, IA: 23°, Omaha, NE: 23°, Madison, WI: 23°-Tied, Moline, IL: 24°, Rockford, IL: 26°-Tied, Kansas City, MO: 27°, Springfield, IL: 28°, Topeka, KS: 31° and Springfield, MO: 32°-Tied.

Elsewhere, Tropical Storm Floyd brought heavy rain to southern Florida, moisture from Hurricane Ramon produced heavy rain in southern California, and heavy snow blanketed the mountains of New York State and Vermont.

1988

Low pressure brought gale force winds to the Great Lakes Region, with snow and sleet reported in some areas.

Unseasonably warm weather prevailed in the north central U.S. The mercury hit 84° at Cutbank, MT and Worland, WY. Yakima, WA tied a record high with 81°. The temperature at Gunnison, CO rebounded from a morning low of 12° to a high of 66°.

1989

Strong winds along a cold front crossing the Northern High Plains Region gusted to 80 mph at Ames Monument, WY during the early morning.

Elsewhere, much of the nation enjoyed "Indian Summer" as 8 cities in the central U.S. reported record highs for the date as temperatures warmed into the 80s and 90s. Record highs included: Waco, TX: 97°, Dodge City, KS: 94°-Tied, Austin (Bergstrom), TX: 93°, Goodland, KS: 91°-Tied, Lincoln, NE: 89°, North Platte, NE: 89°, Pueblo, CO: 89° -Tied and Colorado Springs, CO: 82°-Tied.

1991

Most people think of Seattle, WA as being consistently cold and rainy, but you may be amazed to know that more rain falls each year in places like New York and Chicago. On this date, Seattle recorded its' 40th straight day without measurable rainfall.

1997

Damaging winds ahead of an approaching storm system developed in the foothills of Colorado and spread across Denver and vicinity. Winds gusted to 88 mph at Conifer, 71 mph at the National Center for Atmospheric Research in Boulder and 53 mph at Denver International Airport. Several trees and street signs were blown down with scattered power outages reported throughout metro Denver. In Arvada, the wind gusts were strong enough to blow out a car window.

2000

The minimum temperature at the far-northern City of Tromso, Norway only fell to 46°, well above the monthly average low of 33° and 6 degrees warmer than the average high of 40°.

2005

A tropical depression, formerly Hurricane Vince, became the first tropical cyclone on record to make landfall in Spain.

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October 12th:

Living in the mid-latitudes as we do allows us to experience a wide range of weather phenomena

and temperature extremes.

The range of recorded temperature extremes in the United States is 214 degrees Fahrenheit. The hottest temperature on record in the U.S. is 134° and the coldest is -80°. The recorded temperature range for the entire planet is an amazing 263 degrees. With the hottest temperature on record being 136° and the coldest is -127°.

1836

18 inches of snow fell at Bridgewater, NY and a foot at Madison, NY as the Empire State experienced its 3rd heavy snow of the season.

1870

The Signal Corps of the United States Army opened the first official weather observing station in St. Louis, MO.

1878

A hurricane that formed in the Gulf of Mexico moved across northern Florida, then northeast to south of Cape Hatteras, NC and out to sea. Atlantic City, NJ measured a gust to 47 mph.

1906

Charlotte, NC recorded its' earliest freezing temperature with a morning low of 31°.

1918

Forest fires ravaged parts of Minnesota from the Duluth area northeastward, claiming the lives of 600 people. Smoke with a smell of burnt wood spread to Albany, NY and Washington, D.C. within 24 hours.

Smoke was noted at Charleston, SC on the 14th, and by the 15th was reported in northeastern Texas.

1942

The three biggest flood events of this century in the D.C. area were the "Great Spring Flood" on March 20, 1936 and two tropical related rain events, October 1942 and Agnes in June of 1972. The October 1942 storm is the flood of record for Washington, DC, Front Royal and Fredericksburg, VA.

Still it was a very tough choice because the March 1936 flood is the flood of record at many points along the Potomac River including Cumberland, Hancock, Williamsport, Shepardstown, Harpers Ferry, Point of Rocks and Little Falls.

The 1942 flood reached a similar height. It is remarkable that these 2 record floods occurred just six years apart. A tropical storm moved in across eastern North Carolina into central Virginia.

Torrential rains fell from through the 16th in Northern Virginia and Maryland.

It caused the worst river flood in the history of the Virginia and DC. 10 to 12 inches of rain fell from Fredericksburg to Warrenton. 17 inches was recorded in Front Royal.

In Shenandoah National Park, along Skyline Drive, rainfall totals reached 18 to 19 inches.

To the south, Nelson County received 16 inches. 12 to 16 inches fell from near Paw Paw, WV south along the Shenandoah Mountains to west of Harrisonburg.

About 6 to 8 inches fell over much of central and western Maryland. Highways and bridges were washed away across the region.

Over 1,300 people were left homeless in Albemarle, Spotsylvania, Stafford and Warren Counties in Virginia. About 750 people were displaced from homes in Maryland.

Hundreds of homes were flooded in Georgetown. Miraculously, only one person died. Transportation was interrupted for three days.

Severe damage occurred to crops: peanuts, cotton, sweet potatoes, soybeans, shocked corn and late hay. The heavy rains caused a million bushels of apples to drop before they were picked.

The hardest hit was the mid portion of the Rappahannock River and the Shenandoah River.

On the Rappahannock, damages came to \$2.5 million 1942 dollars and most of that was in Fredericksburg, where the river rose to 41 feet, 27 feet above flood stage.

On the Shenandoah River, a stage of almost 50 feet was reached at Riverton on the morning of the 16th. Flood stage was 22 feet and it broke the record set by the March 1936 flood by 12 feet.

Flood losses on the Potomac River were \$4.5 million dollars. Water was 3.5 feet deep in downtown Cumberland and 8 feet deep on the main business street in Hancock.

At Williamsport, the river expanded 4 miles from its normal banks. Two homes were swept away at Harpers Ferry where the Potomac and Shenandoah Rivers meet.

At Point of Rocks, more houses were lifted off their foundations. The Potomac at Washington reached 17.6 feet, flood stage is 7 feet. Areas of Alexandria and Arlington were seriously flooded.

The Anacostia River flooded as well as 6 feet of water was across the boulevard in Bladensburg.

1950

A ridge of high pressure across the Great Basin provided an offshore flow to the west bringing record heat.

Record high temperatures for the date included: Yuma, AZ: 109°, Riverside, CA: 108°, Escondido, CA: 105°, Santa Ana, CA: 104°, Phoenix, AZ: 103°, Downtown Los Angeles, CA: 99°, Las Vegas, NV: 97°,

Fresno, CA: 95°, Long Beach, CA: 94°, Bishop, CA: 93°, Idyllwild, CA: 93°, Los Angeles (LAX), CA:

91°, Palomar Mountain, CA: 90°, Winslow, AZ: 87° and Flagstaff, AZ: 83°.

Charlotte, NC recorded their latest 90° reading ever.

1954

Hurricane Hazel pounded the island of Haiti with winds of 125 mph. Many villages were reported totally destroyed and 1,000 people died.

1962

The "Columbus Day Big Blow" courtesy of the remnants of Typhoon Freda occurred in the Pacific Northwest as a 960 millibar low (28.35 inHg) moved north-northeast just offshore. Winds gusting to 140 mph lashed the shoreline for five hours. Winds reached 120 mph even inland as frontal squalls funneled through the area west of the Cascade Range. Approximately 11 billion feet of timber were blown down, more than in any other storm ever and nearly as much as the combined annual log production of Oregon and Washington at the time.

Extensive structural damage was widespread. The storm claimed 48 lives, and damage exceeded \$225 million dollars. In British Columbia, Canada, sustained winds at Victoria reached 44 mph with gusts to 87 mph. Seven people died and damage totaled \$10 million dollars.

1969

A strong upper level low carved a deep trough from the Rockies to the west coast bringing unsettled weather and record cold. The high temperature at Billings, MT was only 29°. The temperature did not reach 30° from the 11th to the 13th, the record earliest occurrence of 3 consecutive days with highs less than 30°. Other daily record lows included: Alamosa, CO: 3°, Cheyenne, WY: 7°, Casper, WY: 9°, Flagstaff, AZ: 9°, Virginia City, MT: 10°, Denver, CO: 10°, Colorado Springs, MT: 12°, Lander, WY: 12°, Winnemucca, NV: 16°, Ely, NV: 17°, Lewistown, MT: 18°, Livingston, MT: 18°, Clayton, NM: 19°, Reno, NV: 19°, Scottsbluff, NE: 19°-Tied, Sheridan, WY: 20°, Pocatello, ID: 20°, Great Falls, MT: 21°, Billings, MT: 22°, Missoula, MT: 22°, Winslow, AZ: 25°, Bishop, CA: 27°, Lubbock, TX: 28°, Olympia, WA: 29°, Grand Junction, CO: 30°-Tied, Lubbock, TX: 33°-Tied, Fresno, CA: 39°, Stockton, CA: 40°, Sacramento, CA: 42° and San Francisco, (Airport), CA: 46°.

1974

Hurricane and typhoon reconnaissance flights have been remarkably accident free, but an Air Force WC-130 flying over the South China Sea on this date was never heard from again.

1978

A car in Indianapolis, IN was struck by lightning, blowing out the tires and destroying all of the electrical systems. Luckily, the driver was uninjured.

1979

A central pressure of 870 millibars or 25.69 inHg was measured in the eye of Typhoon Tip in the western north Pacific; the lowest surface pressure ever recorded in the world. Sustained winds around the eye at the time were estimated at 190 mph. Tip remains the largest tropical cyclone on Earth with a diameter of 1,380 miles. Amazingly, tropical storm force winds extended outward 675 miles away from the center. At its peak Tip was nearly as large as half of the continental U.S.

1981

Hurricane Norma crossed from the Pacific over Mexico and into Southwestern Texas. 25 inches of rain fell in the area around Gainesville and Bridgeport, TX. The elephant from the Gainesville Zoo reportedly survived the massive flooding by holding its trunk above the water.

1982

Angoon, AK received 15.20 inches of precipitation, to set a 24-hour maximum precipitation record for the 49th State.

1987

Hurricane Floyd moved east-northeast along the Florida Keys and passed south of Miami during the evening as a disorganized and weakening storm. Wind gusts up to 59 mph were recorded at Duck Key, and most of the Keys reported 45 to 55 mph winds. Over south Florida, wind of 35 to 40 mph with gusts up to 55 mph reported. Rainfall of 2 to 4 inches was reported across southern Florida, with a band of 5 to 9 inches from Naples to Lake Okeechobee to Fort Pierce. Trees and power lines were downed in several areas of south Florida and the Keys.

Some locations in the Ohio Valley and the Middle Mississippi Valley reported record low temperatures for the date courtesy of Canadian high pressure. Locations included: Rockford, IL: 24°, Springfield, IL: 24°, Dubuque, IA: 25°, Peoria, IL: 25°, Moline, IL: 26°, Paducah, KY: 27°, Springfield, MO: 27°-Tied, Indianapolis, IN: 27°-Tied, Grand Rapids, MI: 27°-

Tied,  
Chicago, IL: 28°, Evansville, IN: 30°, St. Louis, MO: 31°, Cincinnati, OH: 32°-Tied and Oklahoma  
City, OK: 34°-Tied.

1988

A trough across the east combined with high pressure over southern Canada combined to bring record cold to parts of the Upper Midwest and Ohio Valley.  
Locations reporting record low temperatures for the date included: International Falls, MN: 17°, Duluth, MN: 18°-Tied, Marquette, MI: 19°, St. La Crosse, WI: 21°, Madison, WI: 21°, Cloud, MN: 21°  
-Tied, Waterloo, IA: 22°, Rochester, MN: 23°, Dubuque, IA: 23°, Green Bay, WI: 24°, Rockford, IL: 24°-Tied, Indianapolis, IN: 26°, Cincinnati, OH: 26°, Moline, IL: 26°-Tied, Chicago, IL: 28°-Tied, Evansville, IN: 29°, Lexington, KY: 29°-Tied, Oak Ridge, TN: 32° and Jackson, KY: 33°. The town of Embarrass, MN reported a morning low of 8°.  
Snow showers in the northeastern U.S. produced 5 inches at Corry PA.

1989

Temperatures again warmed into the 80s in the Central Plains and the Mid-Mississippi Valley, with 90s in the south central U.S. Fort Smith, AR set a record high with 92°.  
Out west, Borrego Springs, CA also set a record high with 109°.

Strong winds along a cold front crossing the Great Lakes Region and the Ohio Valley gusted to 61 mph at Johnstown, PA.

1993

Western north Texas was pelted with large hail during the late afternoon and evening. Hail up to the size of softballs fell from the storms, which also produced damaging winds and one tornado.  
In the Vernon area, hail accumulated up to six inches deep and stripped trees bare.  
Hail destroyed the roof of a house and severely damaged several vehicles just east of Seymour. The public reported 70 mph winds in Dryden, TX and a brief touchdown of a rope-like tornado in an open field two miles east of Dryden.

2005

On this date through the 14th, on its way to setting a local record for the month, Central Park in New York City received 8.5 inches of rain over the 3-day period.  
16.73 inches fell during October to eclipse a 102-year record.  
The Scotland-England border region of Keswick experienced heavy rain. Keswick received 3.2 inches in a 24-hour period.  
The rain caused flooding which temporarily closed the West Coast Main Line between Carlisle in northwest England and Glasgow, Scotland.

2006

With 0.3 inches of snow falling at O'Hare International Airport, Chicago set a new record for the earliest measurable snowfall since record-keeping began in 1871.  
The previous earliest date was 10/18/1972 & 1989.  
An unusually-early and intense lake-effect snow storm, dubbed Aphid by the local Weather Service office, hit the Buffalo region in New York with up to 2 feet of snow.  
The storm was punctuated by several thundersnow bursts. The storm knocked out power to 155,000 residents.  
The 8.3 inches measured at the official Buffalo weather station set a record for the snowiest October day in the station's 137-year history.  
The record did not last long, however, as the measurement the next morning totaled 10.9 inches.  
The two day event of 22.6 inches broke the October record for a single snowfall event.  
A record early season snowstorm brings up to eight inches of snow to southwest Lower Michigan. Tree damage and power outages were extensive around Hastings in Barry County as the wet, heavy snow clings to the tree branches, which still had leaves on them

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Meteorological events that happened on October 13th:

1846

A great hurricane tracked across Cuba, Florida, Georgia, the Carolinas, Virginia and Pennsylvania.  
The hurricane inflicted major damage along its entire path, which was similar to the path of Hurricane Hazel 108 years later.  
Flooding resulted in Baltimore, MD, and Washington, D.C. It was the most destructive storm in 30 years at Philadelphia, PA.  
Southeast winds backed up the waters of the Delaware River to flood all the wharves.  
The lowlands along the Delaware near New Castle, DE, were overflowed in the greatest storm surge in 70 years, probably a reference to the September hurricane of 1775.

1876

New York City recorded its earliest 32° reading with a half inch of snow. Snow fell from Virginia

to New England with 3.5 inches reported at Fall River, MA.

1893

A hurricane moved inland at the North Carolina/South Carolina border then moved north through central PA and western NY. The storm maintained its hurricane strength from the Carolinas to New York, where it weakened to tropical storm status. Philadelphia, PA recorded a 1-minute wind speed of 55 mph with a measured gust to 75 mph.

1950

For a second straight day record heat persisted out west courtesy of a strong ridge of high pressure.

Record high temperatures for the date included: Riverside, CA: 107°, Escondido, CA: 105°, Santa Ana, CA: 104°, Downtown Los Angeles, CA: 104°, Santa Maria, CA: 103°, Long Beach, CA: 102°, Phoenix, AZ: 101°, Los Angeles (LAX), CA: 97°, Las Vegas, NV: 95°, Sacramento, CA: 93°, Goodland, KS: 91°, Idyllwild, CA: 89°, Palomar Mountain, CA: 89°, Winslow, AZ: 86°, Elko, NV: 84°, Winnemucca, NV: 83°-Tied, Burns, OR: 82°, Ely, NV: 80° and Flagstaff, AZ: 79°.

1960

Large hail nearly covered the ground across a large part of central Jackson County, in southwest Oklahoma.

Hail up to the size of baseballs, with some chunks shaped like saucers, destroyed the roofs of most businesses and homes in Olustee.

Large hail also pounded the Stillwater area the same evening. Hail up to 4 inches in diameter caused damage in and around the city, including damage to roofs, windows, and copper trim at Oklahoma State University.

1975

Record warmth occurred with highs in the 80s and lower 90s from the upper Midwest, Great Lakes to the Southeast.

The 87° at Grand Rapids was a record for the date and the highest temperature for so late in the season.

Lincoln, NE: 92°, Omaha, NE: 92°, Sioux City, IA: 92°, Topeka, KS: 91°, Grand Island, NE: 91°-Tied, Norfolk, NE: 90°, Concordia, KS: 90°, Waterloo, IA: 90°, Madison, WI: 90°, Moline, IL: 90°, Columbus, GA: 89°, Des Moines, IA: 88°, Milwaukee, WI: 88°, Chicago, IL: 88°, Springfield, IL: 88°, Paducah, KY: 88°, Louisville, KY: 88°-Tied, La Crosse, WI: 86°, Indianapolis, IN: 86°, South Bend, IN: 86°, Dayton, OH: 86°-Tied, Dubuque, IA: 85°, Rochester, MN: 85°, Rockford, IL: 85°, Fort Wayne, IN: 84°-Tied, Toledo,, OH: 83°-Tied and Green Bay, WI: 82°.

Widespread snow fell across the Netherlands. This was the earliest in the autumn that snow was observed there in the 20th century.

1982

Denver, CO experienced a wet, early-season snow. Up to 6 inches fell in the Foothills. Extensive power outages resulted as tree limbs broke under the weight of the snow.

1983

Severe weather broke out ahead of a strong cold front across parts of the Mid-Atlantic. Two perhaps three tornadoes hit the Falls Church, VA, causing \$1 million dollars in damage.

1986

Four tornadoes struck southeastern Virginia late at night with the passage of a strong cold front causing \$3 million dollars damage.

A few locations in the central states reported record low temperatures for the date including:

Valentine, NE: 12°, North Platte, NE: 13°, Grand Island, NE: 24°-Tied, Goodland, KS: 26°-Tied, Amarillo, TX: 27°, Dodge City, KS: 29°and Galveston, TX: 55°.

1987

Another surge of arctic air entered the north central U.S. bringing snow to parts of Wyoming and Colorado while many cities in the eastern U.S. reported record low temperatures for the date including:

Concord, NH: 22°-Tied, Toledo, OH: 25°, Elkins, WV: 26°-Tied, Paducah, KY: 28°, Evansville, IN: 30°, Bristol, TN: 30°, Roanoke, VA: 30°, Sterling (Dulles Airport), VA: 30°, Harrisburg, PA: 32°, Jackson, KY: 34°, Islip, NY: 34°, Birmingham, AL: 35°, Waco, TX: 41°, New York (Kennedy Airport), NY: 41°and New York (LaGuardia Airport), NY: 43°.

1988

Canadian high pressure and an upper level trough brought record low temperatures to many areas from the upper Midwest to the east coast and Florida including:

Marquette, MI: 18°, Elkins, WV: 18°, Madison, WI: 20°, Green Bay, WI: 22°, Rockford, IL: 22°, Toledo, OH: 23°, Indianapolis, IN: 24°, Chicago, IL: 25°, Evansville, IN: 25°.

Cincinnati, OH: 25°, Lexington, KY: 26°, Pittsburgh, PA: 26°, Fort Wayne, IN: 26°-Tied, Paducah, KY: 27°, Knoxville, TN: 27°, Huntington, WV: 27°, Dayton, OH: 27°-Tied, Columbus, OH: 28°, Bristol, TN: 28°, Charleston, WV: 28°, Oak Ridge, TN: 29°, Greenville-Spartanburg, SC: 29°, Lynchburg, VA: 29°, Roanoke, VA: 29°, Atlantic City, NJ: 29°, Jackson, KY: 30°, Sterling (Dulles Airport), VA: 30°-Tied, Binghamton, NY: 30°-Tied, Milton, MA: 30°-Tied, Raleigh, NC: 31°, Harrisburg, PA: 31°, Louisville, KY: 31°-Tied, Chattanooga, TN: 32°, Philadelphia, PA: 32°, Baltimore, MD: 32°-Tied, Richmond, VA: 32°-Tied, Birmingham, AL: 34°, Columbia, SC: 34°, Wallops Island, VA: 34°, Atlanta, GA: 35°, Wilmington, NC: 37°, Tallahassee, FL: 38°, Montgomery, AL: 39°, Macon, GA: 39°, New York (LaGuardia Airport), NY: 39°, New York (Kennedy Airport), NY: 40°, Norfolk, VA: 42°-Tied, Gainesville, FL: 47° and Vero Beach, FL: 59°-Tied.

1989

Most of the country was under the influence of a zonal flow with the jet stream positioned along the north central U.S.

Many cities reported record high temperatures for the date as readings warmed into the 80s and low 90s from the Southern and Central Plains to the Southern and Mid-Atlantic Coast.

Record highs included: Phoenix, AZ: 101°-Tied, Tucson, AZ: 97°-Tied, North Platte, NE: 91°, Evansville, IN: 91°, Tampa, FL: 91°-Tied, Lake Charles, LA: 90°-Tied, Miami, FL: 90°-Tied, Paducah, KY: 89°, Scottsbluff, NE: 86°-Tied, Sterling (Dulles Airport), VA: 84° and Wallops Island, VA: 80°.

1990

The combined remnants of Tropical Storms Klaus and Marco dumped extremely heavy rainfall over New England. More than 6 inches of rain fell in parts of Connecticut.

1994

A slow moving low pressure area dumped excessive rains over coastal Georgia. Hunter was drenched with 14.26 inches in 24 hours while Savannah checked in with 8.80 inches.

2001

Late in the afternoon and evening, thunderstorms with torrential rainfall occurred across the western Chicago suburbs.

The heaviest rainfall occurred across DuPage, northern Will, and northwest Cook Counties, where 4 to 5 inches of rain fell.

2 to 3 feet of standing water was on the streets of downtown Wheaton, widespread flooding occurred in Plainfield and Bolingbrook, and some areas were flooded for days.

2006

On the 12th and 13th in a historic lake effect snow left 22.6 inches of snow in Buffalo, New York. With trees in full leaf much damage occurred; estimates of \$200 million dollars damage. Thunder occurred for approximately 12 hours with the storm, and 400,000 customers without power some for two weeks.

Out west, a thunderstorm dropped 0.51 of an inch of rain in five minutes and 1.81 inches in 30 minutes at San Bernardino, CA. 18 homes & businesses and two vehicles were damaged by the flooding.

Some big sinkholes were left behind along with mud and debris.

Las Vegas recorded 0.23 inches of rain. This is the only time measurable rainfall has been recorded on this date.

2007

A powerful, unexpected snowstorm hit the Niagara Peninsula on Friday the 13th burying local communities under 12 to 20 inches of wet snow.

Officials in Fort Erie and Port Colborne declared states of emergency, and the storm forced the closure of the Peace Bridge crossing to the United States.

Under the weight of the heavy snow and strong winds up to 55 mph tree branches snapped onto power lines cutting service to more than 155,000 customers.

In some places, it took up to five days to restore power.

On this date through the 14th, thunderstorms pounded Eastern Spain with heavy rains that trigger widespread flooding.

Valencia recorded 4 inches of rainfall in one hour while nearby locations reported over 8 inches.

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Meteorological events that happened on October 14th:

1879

Cheyenne, WY ended their longest period with no precipitation when 0.09 inch of rain fell, bringing to an end a streak of 51 days with not even a trace of precipitation.

1909

An F3 tornado struck Pittsburg Landing and Stantonville, TN killing 23 people and injuring 80 others.

1941

America's first television weather forecast was broadcast on New York's WNBT (later WNBC). There weren't many televisions at that time, so viewers were limited to perhaps a few hundred people. The weathercast consisted of a sponsor's message followed by a screen of text containing the next day's forecast.

1957

Floodwaters roared through a migrant labor camp near the town of Picacho, AZ flooding 50 cabins and a dozen nearby homes.

250 migrant workers lost their shelters. It was one of the wettest Octobers in Arizona weather history.

1961

Hot Santa Ana winds drove the temperature to 110° at Long Beach, CA, the hot spot in the nation. Their all-time record of 111° was set the next day. San Diego, CA hit 107°, their highest temperature for October.

Other daily records included: Los Angeles (LAX), CA: 106°, Yuma, AZ: 105°, Santa Ana, CA: 104°, Downtown Los Angeles: 103°, Santa Maria, CA: 101°, Stockton, CA: 96°, San Francisco, (Airport), CA: 95°, Fresno, CA: 95°-Tied and Sacramento, CA: 93°. Many inland and even coastal locations eclipsed the century mark. San Nicolas Island reported a high of 88°.

1964

Hurricane Isbell spawned as many as 12 tornadoes during the afternoon and evening. The tornadoes accounted for all 48 of the reported storm injuries, and a considerable portion of the property damages in the populated areas.

Tidal damage was minor in all areas, and limited to piers, boats, and docking facilities. Tides caused some flooding of roads and beaches on the south side of Key West.

Vegetable crops in the Everglades agricultural areas over which the storm center passed sustained considerable damage from strong winds and locally intense rains.

Two people drowned when a shrimp boat was destroyed near Marquesas Keys.

1965

On this date through the 15th, heavy rains hit the coastal areas of southeastern Florida.

In a 24 hour period, 20 inches of rain was reported from Deerfield Beach to Fort Lauderdale, with 25.28 inches at the Fort Lauderdale Bahia-Mar Yacht Basin.

Flooding caused considerable damage to roads and streets. The rains inundated numerous newly planted vegetable fields, and some residences. 10 miles away just 4.51 inches of rain was reported.

1966

A late-season tornado moved across Brown County in west central Illinois, passing along the east edge of Mount Sterling.

Major damage resulted to a 30 square block area of the town. Nearly all the buildings at the Brown County Fairgrounds were destroyed, and 10 nearby homes suffered major damage.

Numerous cars and buses were badly damaged. Debris fell for several miles after the tornado lifted.

Iowa was struck by a devastating late season tornado outbreak. A total of 12 tornadoes touched down, including an F4 that devastated a large part of Belmond.

It was the day of the homecoming parade in the town, but fortunately the threatening skies had caused the crowds to break up before the storm's arrival.

75 of the 112 businesses in the town were destroyed.

6 people died, 172 injured and damage totaled \$12 million dollars.

In the cold air behind the storm, a very damaging early season snowstorm produced 4 inches of heavy, wet snow in the Sioux City area in Iowa.

Coupled with winds gusting to 40 mph, this snowstorm caused extensive damage to trees, power and telephone lines. Clean-up of the broken trees and limbs took several weeks.

1969

Portland, OR recorded their earliest freeze ever.

1981

Four days of heavy rain across northern Texas and southern Oklahoma finally came to an end.

The heaviest rains fell in a band from southwest of Abilene, TX to McAlester, OK, with up to 26 inches reported north of Gainesville, in north central Texas.

The heavy rains were the result of dissipating Hurricane Norma, which also spawned 13 tornadoes across the region. Seven deaths were attributed to the flooding.



1984

Dense fog contributed to a 118 vehicle accident on I-94, just south of Milwaukee, WI. It was the 7th day of an 8 day stretch of dense fog.  
At the time of the accident, the visibility was reportedly close to zero.

1987

Many cities, mostly in the Appalachian Region, reported record low temperatures for the date. Record lows included Asheville, NC: 27°, Augusta, GA: 35° and Lake Charles, LA: 43°.

1988

Many cities in the eastern U.S. reported record low temperatures for the date including Asheville, NC with 25°. Elkins, WV was the cold spot in the nation with a record low of 18°.

Thunderstorms in Arizona drenched Phoenix with 9 inches of rain in 9 hours, the 5th highest total for any given day in 92 years of records. Carefree, AZ was soaked with 2 inches of rain.

1989

Thunderstorms produced severe weather over Michigan during the morning and over New York State and Connecticut during the afternoon and evening hours.

Thunderstorms spawned two tornadoes, and 90 reports of large hail or damaging winds, including reports of damaging winds in New York State.

A tornado at McDonough, NY killed one person and injured three others. Strong thunderstorm winds gusted to 105 mph at Somerset.

Temperatures warmed into the 80s and lower 90s over much of the nation east of the Rockies, with 11 cities reporting record high temperatures for the date.

Afternoon highs of 81° at Beckley and Bluefield WV equaled October records.

1999

The 9th tropical storm of the 1999 Hurricane Season was upgraded to a hurricane and a hurricane watch was issued for parts of the Florida Keys.

Irene was centered near western Cuba, moving erratically but expected to move north toward Florida.

2006

Several strong to severe thunderstorms move through southern Nevada and northwest Arizona. Park rangers rescued 36 people in Black Canyon when their tents, kayaks and canoes were washed away.

Another two dozen fisherman and boaters were rescued at the Willow Beach area when heavy rains caused severe road damage.

These storms brought up to 2 inches of rain with winds gusting in excess of 50 mph. Heavy rainfall in Las Vegas caused several roads to become flooded.

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Listed are Meteorological events that happened on October 15th:

1876

Snow fell on the backside of a coastal storm from Virginia to New England. New York City, NY had its earliest 32° temperature and a half inch of snow. Fall River, MA reported 3.5 inches of snow.

1880

On this date through the 16th, a violent early season blizzard raked Minnesota and the Dakotas.

Winds gusted to 70 mph at Yankton, SD, and snow drifts 10 to 15 feet high were reported in northwest Iowa and southeast South Dakota. Saint Paul, MN reported a barometric pressure of 28.65 inHg on the 16th. Railroads were blocked by drifts of snow which remained throughout the severe winter to follow.

Gales did extensive damage to ship on the Great Lakes. This was the earliest blizzard on record for the state of Iowa.

1947

People question attempts to weaken a hurricane by seeding it with dry ice after it made an unexpected turn off the coast making landfall near Savannah, GA with winds of 100 mph. One person was killed. Damage totaled \$3 million dollars.

1954

Hazel made landfall near Cape Fear, NC as a Category 4 Hurricane with top winds of 150 mph and a central pressure of 938 millibars or 27.70 inHg.

A record storm surge of 18 feet caused extreme destruction at Calabash along the North Carolina Coast.

The tide height was enhanced by the highest lunar tide of the year. 300 homes vanished without a trace at Long Island, NC.

After the storm, no fishing piers were left standing from Myrtle Beach, SC to Cedar Island, NC. Hurricane Hazel also destroyed 1,500 homes as it moved inland.

Winds between Myrtle Beach, SC and Cape Fear, NC gusted to 150 mph.

The storm quickly lost tropical characteristics after moving inland, but still brought high winds and flooding all the way into New York state and across the border into Toronto, Canada. The storm accelerated as it moved inland, crossing the entire state of Virginia in just 4 hours. Heavy rains fell over western Maryland dumping 5 to 6 inches in 12 hours over the Allegheny Front. Luke, MD reported a record stage on the North Branch of the Potomac. Storage of rainfall behind the new Savage River Dam was believed to have prevented a record flood from occurring at Cumberland, MD.

Tides reached 2 to 6 feet above normal around the Maryland portion of the Chesapeake Bay. At Baltimore, MD, high tides in the harbor flooded basements and streets adjacent to it. Waves pounded the docks and shoreline. About 18,000 homes and a considerable number of farms and business buildings were damaged. Hundreds of thousands of trees were damaged or destroyed. Half of the phone and electric lines in Virginia were knocked out equaling about \$2 million dollars in damages. A 150-foot microwave telephone tower was toppled near Warsaw, VA. 200 plate glass storefronts in Richmond, VA were broken.

In the Shenandoah Valley, turkey growers lost between 150,000 and 250,000 turkeys when poultry sheds were wrecked. Small crafts were driven ashore or sank. 4 people died when a tugboat capsized on the James River about 25 miles from Richmond, VA. Piers were demolished and private docks swept away in the Tidewater Rivers. The Potomac rose to 5.4 feet above Mean Sea Level at Dahlgren and Colonial Beach, VA. The Potomac at Alexandria, VA rose to around 7.5 feet.

In Maryland, six people were killed and many injured. \$8 to \$10 million dollars in damage was reported. Homes mainly suffered damage from roofs being blown off, windows broken or trees falling on them.

A few homes floated off their foundations in the high tides. An estimated \$750,000 dollars in damage occurred to boats on the Maryland Chesapeake Bay and another \$1 million dollars to wharves and private docks. Utilities suffered about \$1.26 million dollars in damage alone. There was half a million dollars in damages to bridges and roads in tidal areas. An estimated half a million trees fell.

There was \$9 million dollars in damages to farms and another \$300,000 in damages to apple and tobacco crops.

The total damage to the poultry industry in Maryland was about \$5 million dollars. Erosion damage caused by the spray of salt water to adjacent land areas and flooding of low-lying areas in counties bordering the Bay and coast caused appreciable damage to the soil, trees, and shrubs.

Total salt damage and loss of land by erosion were estimated at \$1 to \$1.5 million dollars. Total damages in Maryland were about \$28 million dollars. In the District of Columbia, there were three fatalities.

Damage occurred to houses, power facilities, telephone services, and trees. Hazel caused a total of 98 deaths in the U.S. and \$251 million dollars (1954 dollars) in damage. As Hazel moved into southern Ontario, Canada it interacted with a strong cold front and dumped over 8 inches of rain on already saturated soil in the Toronto area and major flash flooding occurred.

Another 78 people were killed in Ontario with damage around \$100 million dollars.

Hazel produced record wind gusts at a number of locations:

Hampton, VA: gusted to 130 mph.

New York City, NY: gusted to 125 mph.

Norfolk, VA: sustained winds of 78 mph with gusts to 100 mph.

National Airport in Washington, D.C.: sustained winds of 78 mph with a gust of 98 mph.

Baltimore, MD: sustained winds of 73 mph with gusts to 79 mph.

Salisbury, MD: sustained winds of 52 mph with a gust to 101 mph.

Philadelphia, PA sustained winds of 73 mph with a gust to 94 mph.

Allentown, PA: gusted to 81 mph.

Reading, PA: gusted to 78 mph.

Delaware Breakwater: gusted to 75 mph.

Atlantic City, NJ: gusted to 72 mph.

1956

A low pressure center moved north from Cuba just off the east coast bringing high winds and tides, and heavy rain to the entire east coast of Florida.

The heaviest rain fell in Osceola County where some 48 hour amounts approached 20 inches.

Flooding was most severe, including some bridges and roads washed out, in Kissimmee/St. Cloud, Taft, and Fellsmere. Two persons died in heavy surf.

1965

Fort Lauderdale, FL was deluged with 25.28 inches of rain in a 48 hour period causing considerable road and street damage and inundating numerous recently planted vegetable fields and homes.

1966

Iowa experienced its worst late season tornado on record. In just one minute a twister tore through the town of Belmond leveling 75% of the businesses, and 100 homes, causing more than \$11 million dollars damage

1983

As the remnants of Pacific Hurricane Tico moved through Lubbock, TX six inches of rain fell in less than 12 hours, people to water ski behind four-wheel-drive vehicles down city streets.

1984

The Monday Night Football game in Denver, CO was played in a raging blizzard. 15 inches of snow fell with up to 34 inches reported in the nearby mountains.

The Air Force Academy cancelled classes for the first time in its' recorded history.

1987

Unseasonably cold weather continued in the eastern U.S., with several cities reporting record low temperatures for the date.

The low of 34° at Montgomery, AL was their coldest reading on record for so early in the season. Daily record lows included: Sterling (Dulles Airport), VA: 28°, Trenton, NJ: 30°, Allentown, PA: 30°-Tied, Columbia, SC: 32°-Tied, Harrisburg, PA: 32°-Tied, Macon, GA: 33°, Baltimore, MD: 33°-Tied, Parkersburg, WV: 34°, Chattanooga, TN: 34°, Islip, NY: 34°, Montgomery, AL: 34°, Bridgeport, CT: 36°, Augusta, GA: 36°-Tied and New York (Kennedy Airport), NY: 39°.

On this date through the 16th, 'The Great Storm' affected much of southern England.

Among the peak gusts were 112 mph at Shoreham, Sussex 107 mph at Langdon Bay, Kent, 106 mph at Sheerness, Kent, 105 mph at Ashford,

Kent and 94 mph at the London Weather Centre, central London.

1988

The cold area of high pressure responsible for the record low temperatures in the eastern U.S. began to move out to sea, giving way to a trend toward "Indian Summer".

However, not before some record lows were set including: Augusta, GA: 32°, Columbia, SC: 32°-Tied, Athens, GA: 35°, Wilmington, NC: 35°, Cape Hatteras, NC: 38°, Charleston, SC: 40°, Wallops Island, VA: 40° - Tied and Savannah, GA: 41°.

Thunderstorms developing ahead of a cold front produced golf ball size hail at Altamont, KS and hail 2 inches in diameter at Yates City, IL.

1989

Hurricane Jerry made landfall at Galveston, TX during the early evening hours. Winds at the Galveston Airport reached 75 mph, with gusts to 100 mph.

Tides along the island were 6 to 8 feet, and rainfall totals ranged up to slightly more than 6 inches north of Beaumont.

Three people were killed when their vehicle was blown off the Galveston seawall into the pounding surf.

Total damage along the Upper Texas Coast was estimated at \$15 million dollars. It was the latest that any hurricane had affected this region.

Thunderstorms produced severe weather across Lower Michigan during the late morning.

Two people were injured when a tree fell on their camper at the Traverse City State park.

While strong northerly winds ushered much colder air into the central U.S., unseasonably warm weather continued in the south central and eastern U.S.

The afternoon high of 82° at Bluefield, WV was a record for October. Other daily record highs

included: Sterling (Dulles Airport), VA: 89°, Oak Ridge, TN: 89°-Tied, Baltimore (BWI Airport), MD: 86°-Tied, Jackson, KY: 83°, Reading, PA: 83° and Mt. Pocono, PA: 77°.

1991

A strong 588 decameter heat ridge covered areas from the Rockies to the West Coast bringing record heat.

Daily record highs included: Borrego Springs, CA: 109°, Palm Springs, CA: 108°, Phoenix, AZ: 103°, Tucson, AZ: 98°, Daggett, CA: 98°, Redding, CA: 94°, Bishop, CA: 90°,

Reno, NV: 89°, Medford, OR: 89°, Eugene, OR: 88°, Boise, ID: 87°, Winnemucca, NV: 86°, Burns, OR: 84°, Pendleton, OR: 84°-Tied, Helena, MT: 83, Elko, NV: 83, Glasgow, MT: 83-Tied, Ely, NV: 82, Lander, WY: 81, Missoula, MT: 81°, Olympia, WA: 80°, Portland, OR: 80°, Casper, WY: 80°-Tied, Kalispell, MT: 79°,

Pocatello, ID: 79°-Tied, Flagstaff, AZ: 78°, Yakima, WA: 78°, Seattle, WA: 77° and Alamosa, CO: 75°.

2001

Early morning rains of up to 3 inches in Travis County, TX resulted in flash flooding.

One woman drove three long nails into a tree in order to climb the tree and escape the rising waters.

Two people drowned after their cars stalled in low water crossings.

2005

On this date through the 17th, the summit of Mt. Washington, NH reported 34 inches of snow.

The 24-hour record for the most snowfall occurred when 25.5 inches fell in 24 hours.

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October 16th:

1816

The long drought finally ended in northern New England as rains arrived, extinguishing wildfires that had been very damaging during an extremely dry September.

1910

A severe Category 4 Hurricane, known as "El Huracan de Los Cinco Dias" hit extreme western Cuba with an estimated central pressure of 924 millibars. This hurricane hit Florida two days later.

1937

An early season winter storm produced as much as 10 inches of snow in Minnesota and Iowa.

1942

A cyclone devastated the Bengal region of India, killing 40,000 people.

1954

Memorable Hurricane Hazel slashed into Canada with high winds and extremely heavy rainfall.

Toronto recorded wind gusts to 110 mph and 8.43 inches of rain. 80 people died in Canada.

1958

An area of level high pressure brought record heat from parts of the Rockies to the West Coast.

Santa Ana, CA set a record high for October with 106°.

Other daily record highs included: Palm Springs, CA: 107°, Yuma, AZ: 106°, Long Beach, CA: 106°,

Borrego Springs, CA: 105°, Riverside, CA: 104°,

Downtown Los Angeles, CA: 104°, Los Angeles, (LAX), CA: 103°, San Diego, CA: 97°, Las Vegas, NV:

95°, Palomar Mountain, CA: 88°, Billings, MT: 84°, Portland, OR: 79°,

Grand Junction, CO: 79°-Tied, Alamosa, CO: 74° and Astoria, OR: 74°-Tied.

1962

Severe weather across northwestern Oklahoma resulted in a 5-inch hailstone collected in Woodward County.

1968

Hurricane Gladys moved northward just west of Dry Tortugas in the southeastern Gulf of Mexico around midday with maximum winds of 75 mph.

It moved slowly north- northwestwards before turning toward the northeast on the 18th about 75 miles west of St. Petersburg, FL and made landfall near Homosassa, FL late on the 18th.

Gladys continued northeast across the peninsula, passing just south of Ocala and moved into the Atlantic near St. Augustine on the morning of the 19th.

Total damage of about \$6.7 million dollars was concentrated mostly in and just north of the Tampa Bay area and in the Ocala area.

A tornado unroofed a house and damaged several other homes near Tallevast in Manatee County on the evening of the 18th.

1975

A Tropical Depression that formed in the southwestern Gulf of Mexico on the 14th moved inland on the Louisiana coast late on this date and merged with a cold front.

The low pressure system intensified and moved up through the Appalachian Mountains with the trailing cold front moving through Florida.

Northwestern Florida received heavy rainfall, at least two small tornadoes, high winds, rough seas and high tides.

Wind gusts to 45 mph and tides 4 feet above normal were reported. No deaths or injuries were reported. Heaviest rainfall amounts ranged from 4 to 6 inches.

Widespread street flooding occurred and some state roads were closed briefly. Most of the damage occurred in the Panama City area. Also,

a tornado in Panama City Beach damaged several buildings.

The first GOES geosynchronous weather satellite was launched.

1980

A squall line packing damaging winds developed across portions of central South Dakota and raced into Minnesota during the afternoon and evening hours.

The line of thunderstorms developed and moved east and northeast at over 50 mph.

A large portion of southeast South Dakota was belted with winds of 50 to 70 mph. Yankton, SD reported winds of up to 70 mph while Sioux Falls, SD was hit with a 62 mph gust.

Considerable damage was done in southeast South Dakota to trees, farm structures, and small buildings.

West of Sioux City, Knox County Nebraska also received heavy damage from straight line winds and a tornado.

The twister caused extensive damage to a farm house 12 miles north of Bloomfield.

By late afternoon the thunderstorms were roaring through southwest Minnesota with 50 to 70 mph winds. Numerous outbuildings and many trees were downed or damaged.

In Redwood County two combines and a 24 foot travel trailer were tipped over and damaged.

1984

An early season blizzard with winds between 30 to 50 mph and near zero visibility produced 11 inches of snow in Saskatoon, Saskatchewan Canada.

1987

Several cities in the southeastern U.S. reported record low temperatures for the date. The low of 34° at Augusta GA marked their 3rd straight morning of record cold.

Other record lows included: Columbia, SC: 32°, Meridian, MS: 33°, Jackson, MS: 35°, Macon, GA: 35°, Chattanooga, TN: 35°

-Tied, Montgomery, AL: 38°, Mobile, AL: 43°-Tied and New Orleans, LA: 45°.

A cold front brought showers and thunderstorms to parts of the central U.S.

Lightning struck a bull and six cows under a tree near Battiest, OK.

1988

Tropical Storm Joan, a very small storm, continued on its westward track in the extreme southern Caribbean.

The storm already had survived strong upper level shear and now was scraping the coast of Venezuela.

The storm then passed over the Guajira Peninsula in Columbia which has 2,000 foot mountain tops. Despite this, the storm held its own and eventually became a Category 4 hurricane just prior to

landfall on the Nicaragua coast on the 22nd.

Late afternoon thunderstorms produced severe weather in southwestern Lower Michigan and northern Indiana.

One thunderstorm spawned a tornado north of Nappanee, IN which caused half a million dollars damage.

A few locations from the Rockies to the West Coast reported record high temperatures for the date.

The afternoon high of 100° at Red Bluff, CA was the latest such reading on record for so late in the autumn season.

Other daily records included: Redding, CA: 98°, Santa Maria, CA: 97°, San Francisco Airport, CA: 88° and Colorado Springs, CO: 80°.

1989

Heavy snow blanketed the foothills of Colorado. Up to 3 inches was reported around Denver.

Echo Lake was buried under 19 inches of snow.

Temperatures again warmed into the 80s and lower 90s in the eastern and south central U.S.

Several cities reported record high temperatures for the date, including Waco, TX: 94°-Tied,

Corpus Christi, TX: 92°-Tied, Houston, TX: 92°-Tied, Austin (Bergstrom), TX: 91°,

Fort Smith, AR: 89°, Columbia, SC: 89°, Sterling (Dulles Airport), VA: 85°, Atlantic City, NJ:

84° and Cape Hatteras, NC: 83°.

1990

The temperature reached 90° for 136th day in Tampa, FL.

1991

Record heat continued across the west for a second straight day as a dominant heat ridge covered the Great Basin.

Record high temperatures included: Phoenix, AZ: 101°, Tucson, AZ: 100°, Las Vegas, NV: 96°,

Pueblo, CO: 94°, Denver, CO: 89°, Sheridan, WY: 87°, Clayton, NM: 86°,

Colorado Springs, CO: 85°, Glasgow, MT: 86°, Salt Lake City, UT: 85°, Reno, NV: 85°, Winslow, AZ:

85°-Tied, Casper, WY: 83°, Lander, WY: 83°, Cheyenne, WY: 82°,

Grand Junction, CO: 80°, Ely, NV: 80°, Helena, MT: 80°-Tied, Flagstaff, AZ: 78°, Pocatello, ID:

78°-Tied, Alamosa, CO: 77° and Missoula, MT: 75°.

1998

One of the costliest hail storms to ever hit metro Denver caused an estimated \$87.8 million dollars in damage to homes, buildings and vehicles.

The hailstorm, rare for so late in the season began over portions of Arvada, Wheat Ridge and

northeast Denver where mostly pea sized hail accumulated up to a depth of 6 inches near I-70.

Snowplows had to be called out to clear several streets and many accidents were reported.

The storm intensified as it moved to the east into the Denver and Aurora areas. Hail up to two

inches in diameter pelted the Denver metro area and one inch diameter hail in northern Aurora.

2003

A major Pineapple Express flow dropped torrential rains across the North Pacific Coast from

Oregon through British Columbia, Canada.

Victoria received 5.4 inches of rain in 24 hours setting a new record.

2004

Starting on April 18th and through this day, San Diego, CA recorded no measurable precipitation,

a period that spanned 182 days.

This is their longest dry period on record.

2007

A blinding sandstorm in the high desert north of Los Angeles, CA wreaked havoc with local traffic

causing a highway pileup involving dozens of vehicles.

Two people died and 16 others were injured as a result of the storm which reportedly raised dust

to 1,000 foot high.

2008

A tropical depression made landfall on the northern coast of Honduras bringing torrential rains

that caused dangerous mudslides and rivers to overflow their banks.

The resulted flooding destroyed 62 bridges. The storm was responsible for 29 fatalities.

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October 17th:

1906

A Hurricane moved out of the Caribbean and across the lower Florida Keys to Miami leaving 164 people dead.

The storm weakened in the Atlantic and turned back to Florida, crossing the coast near Daytona Beach as tropical storm.

1910

A hurricane made an unusual loop off the southwest coast of Florida. The storm's eye passed just west of Key West and then made landfall near Cape Romano.

At Sand Key, FL, the barometer dropped to 962 millibars or 28.40 inHg with winds estimated at 125 mph. Fort Myers, FL measured winds in excess of 100 mph.

A hurricane passed near Key West and made landfall near Ft. Myers. Winds to 125 mph were reported

on Sand Key. 30 deaths were reported.

1935

This was the first of 176 days with a minimum temperature at or below 32° at Langdon, ND. This stands as the record for the United States.

1950

Small, but powerful Hurricane King made landfall near Miami FL then moved up the central peninsula and dissipated on the morning of the 19th. The path of principal destruction was only 7 to 10 miles wide through the greater Miami area and northward to West Fort Lauderdale.

Winds were sustained at 122 mph with gusts to 150 mph at Miami and gusts to 138 mph at Fort Lauderdale.

Reconnaissance during the day indicated that the hurricane had winds in excess of 100 mph, but because it was so small, it weaved through the observation network of the Keys and Florida Straits, and forecasters believed its intensity had either dropped or been overestimated. It turned out they were wrong. The tornado-like hurricane killed four people and caused \$28 million dollars in damage.

1958

Upper level high pressure combined with an offshore flow brought record heat to parts of the West. Some record high temperatures for the date included: Palm Springs, CA: 105°, Yuma, AZ: 104°,

Riverside, CA: 103°, Downtown Los Angeles, CA: 102°, Long Beach, CA: 101°, Los Angeles (LAX), CA: 100°, San Diego, CA: 98°, San Diego, CA: 98°, Bakersfield, CA: 96°-Tied, Fresno, CA: 93°-Tied, Palomar Mountain, CA: 89°, Idyllwild, CA: 87°, Salt Lake City, UT: 83°, Elko, NV: 83°, Pocatello, ID: 81°, Ely and NV: 80°.

1967

Hail and wind destroyed 300 acres of sweet corn and badly damaged 1500 acres of sugar cane at Pahoee, FL in Palm Beach County. Winds gusted to 60 mph and hail of all sizes covered the ground.

On this date through the 19th, Xinliao, Taiwan received 108.31 inches of rain courtesy of atropical storm.

1971

Great balls of fire were observed just ahead of a tornado moving down the main street of Wray, CO. However, little other electrical activity accompanied the storm.

Nine people were injured in the tornado, all at a trailer court at the edge of town.

1979

Many birds were victims of a severe thunderstorm that crossed the Wichita Mountains National Wildlife Refuge in southwestern Oklahoma during the early morning hours.

Hail up to one inch in diameter killed more than 3,500 birds and injured 1,500 to 2,000 others.

1981

Prolonged very heavy rain, from October 10th through October 17th, led to serious flooding across parts of south-central Oklahoma.

In northwest Marshall County, 26.2 inches of rain fell during those eight days, with 16 inches of that total falling in just 16 hours.

Two men drowned, and many people were injured and evacuated, due to the flooding. Estimates of the flood-related losses amounted to between \$23 million and \$60 million dollars.

Then-President Ronald Reagan declared six Oklahoma counties as disaster areas.

1983

The remnants of Hurricane Tico caused widespread flooding across central and southwest Oklahoma through the 21st.

Rainfall amounts up to 15 inches caused flooding that resulted in about \$94 million dollars in damages. President Ronald Reagan designated 16 counties as disaster areas.

1984

A snowstorm struck northern Utah producing a record 18 inches in 24 hours at Salt Lake City, and 40 inches at the nearby Alta Ski Resort.

The town of Magna, located 10 miles west of Salt Lake City, did not receive any snow at all. The storm was responsible for a 50 vehicle pile-up along Interstate 15 near Farmington, UT.

At Yosemite National Park in California, the storm was described as the worst in 20 years.

Two climbers near the top of El Capitan were killed and five others were stranded in the park. Up to 25 inches of snow fell in just 12 hours.

1987

It was a great day for an Oktoberfest, or to enjoy the colors of autumn, as much of the nation

enjoyed sunny and mild weather.

Columbia, SC dipped to 34°, marking their 3rd morning in a row of record cold. Bakersfield, CA reached 80° for the 143rd day in a row breaking a record set back in 1940.

1988

Thunderstorms produced severe weather in the Mid-Mississippi Valley and the Lower Ohio Valley. Severe thunderstorms spawned three tornadoes in Indiana, including one that injured four people. Four inches of rain fell during a short time at Fort Wayne, IN, causing extensive flooding. Severe thunderstorms produced 63 mph winds at the Fort Wayne International Airport and 3.49 inches of rain to South Bend's Michiana Regional Airport. Strong thunderstorm winds at Connerville, IN caused \$3 million dollars damage. Thunderstorms in Illinois produced hail 2 inches in diameter at Colfax.

1989

Showers and thunderstorms representing the remnants of Hurricane Jerry deluged southeast Kentucky with 4 to 6 inches of rain in 18 to 24 hours, resulting in widespread flash flooding. Flooding resulted in more than \$5 million dollars damage.

Temperatures again warmed into the 80s and 90s in the southeastern U.S with record high temperatures set in Florida including: Lakeland, FL: 95°, Orlando, FL: 93°, Fort Myers, FL: 92° and Jacksonville, FL: 89°.

1991

Sleet fell in the Blue Ridge Mountains as a major coastal storm caused extensive coastal flooding from North Carolina to Massachusetts.

Record heat continued across parts of the west. Record highs for the date included: Borrego Springs, CA: 104°, Phoenix, AZ: 100°, Victorville, CA: 95°, Las Vegas, NV: 94°, Roswell, NM: 93°, Pueblo, CO: 93°, Albuquerque, NM: 85°, Colorado Springs, CO: 83°, Big Bear Lake, CA: 77° and Alamosa, CO: 75°.

1992

Heavy rain and strong winds caused beach erosion from Hatteras to Cape Cod. Two to four inches of rain and winds in excess of 60 mph were reported along the coast of New Jersey.

1996

A huge storm went through "bombogenesis" battered Vancouver Island with winds as high as 100 mph and produced waves as high as 98 feet. The storm caused massive power outages, knocked down trees, set 50 pleasure boats adrift and ripped apart docks.

1997

Super Typhoons Ivan and Joan both peaked on this day with sustained of 185 mph in the western Pacific. They were both super typhoons for more than 60 hours at this point, breaking the previous record of 48 hours set by Super Typhoon Tip in October 1979. Joan went on to extend this record to nearly five days.

1998

Torrential rains over south and southeast Texas on this date through the 18th led to widespread and deadly flooding. A total of 31 people died during this event, and property damage estimates approached \$750 million dollars. At least 17 of the drowning victims were in vehicles which were either driven into water or were swept away by rapidly rising water. Up to 22 inches of rain fell which first resulted in deadly flash flooding from San Antonio to Austin followed by record breaking river floods along several south Texas tributaries the following week. The peak flood stages that occurred following the event at 15 locations were the highest ever. The rainfall was not associated with a tropical system, but had rainfall amounts reminiscent of some of the worst hurricanes and tropical storms. 11.26 inches of rain fell in San Antonio, TX to establish their all-time record for most rainfall in a single day. The amount would contribute to the monthly total of 18.04 inches, which made it the wettest month ever. Randolph AFB in the San Antonio area recorded a 3-day rainfall total of 19.59 inches.

2001

Dense fog in the San Joaquin Valley of California on the mornings of this date through the 21st reduced visibilities to well less than 150 feet. California Highway Patrol cars had to pace cars on major thoroughfares to prevent accidents.

2004

A waterspout came onshore becoming a tornado at Oceanside, CA. Damage was done to structures, trees and windows. This was the first day with measurable rain at San Diego, CA since 4/17. This is a streak of 182 consecutive days, their longest on record. Incredibly, this was the

start of their wettest October on record.

2005

On this date through the 18th, heavy rains in Las Vegas, NV accumulated to 1.42 inches breaking the monthly record previously set in 1992. Roads were flooded and power was knocked out.

2007

According to NOAA's Storm Prediction Center in Norman, OK, 87 tornadoes were reported in the United States from this date through the 19th, a new record outbreak for the month. With the outbreak, the monthly total of confirmed tornado reached 105, the second highest for October, behind the 117 in October 2001. Records began in 1950. Over 300 reports of severe weather were filed on the 18th across the lower and mid-Mississippi Valleys.

A strong storm brought heavy rain and flooding to portions of southern Bangladesh. The Chittagong Port City reported about 9 inches of rain. The heavy rains triggered fatal mudslides.

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October 18th:

1906

A hurricane moved northeastward through the Florida Keys and the Miami area. Miami was in the eye for 30 minutes and recorded a low pressure of 28.55 inches. 124 people were killed in the Keys.

1910

Northeasterly winds up to 70 mph from a hurricane moving northward up the Florida peninsula carried water out of Tampa Bay and the Hillsboro River. The water level lowered to 9 feet below mean low water. 40 ships were grounded in shallow water.

1916

A Hurricane made landfall near Pensacola, FL. The wind instrument tower at the Weather Bureau Office blew down registering a gust of 120 mph. About 200 trees throughout the city were blown down.

1930

A huge early season lake effect snowstorm dumped 48 inches of snow just south of Buffalo, NY. 47 inches fell at Gouverneur, NY.

1944

The outer fringes of a hurricane in the Gulf of Mexico spawned three weak tornadoes in Polk, Hardee, and Desoto Counties in Florida during the afternoon hours. The hurricane then made landfall near Sarasota, FL early on the 19th and moved across the state, exiting near Jacksonville. This storm was noteworthy for producing damaging inland winds. Dangerous winds extended fully 200 miles to the right or east of the center, about 100 miles to the left or west, thus affecting the entire peninsula of Florida. Winds of hurricane force were widespread with gusts to 100 mph at Tampa and Orlando, FL. Tides were high from Sarasota southward on the Gulf and from Melbourne northward on the Atlantic. Naples and Jacksonville Beach both reported 12 foot tides. Citrus and other agricultural damage were extensive. Orlando suffered the most property damage, estimated at over \$1 million dollars. 18 people were killed, 14 by drowning, and 24 were seriously injured.

1947

The mercury hits 78° at St. John, New Brunswick Canada setting the city's high temperature record for October.

1959

Tropical Storm Judith rapidly crossed central Florida during the morning hours. Two tornadoes were reported in southeast Florida on the afternoon of the 17th in advance of Judith

1976

Canadian high pressure brought chilly temperatures from the Plains to the Great Lakes. Record low temperatures included: Toledo, OH: 17°, Lansing, MI: 17°-Tied, Madison, WI: 18°-Tied, Grand Rapids, MI: 19°, Goodland, KS: 22°, Elkins, WV: 22°, Muskegon, MI: 23°-Tied, Fort Wayne, IN: 24°, Detroit, MI: 24°, Dayton, OH: 24°, Columbus, OH: 25°, Pittsburgh, PA: 26°, Sterling (Dulles Airport), VA: 26°, St. Louis, MO: 27°, Akron, OH: 27°, Paducah, KY: 27°, Providence, RI: 28°-Tied, Tupelo, MS: 31°, Oak Ridge, TN: 31°-Tied, Little Rock, AR: 33°, Wallops Island, VA: 36°, Shreveport, LA: 37°-Tied, Houston, TX: 41°-Tied and San Antonio, TX: 45°-Tied.

1984

Heavy snow began falling late on the 17th at Salt Lake City, UT and by the time it ended on this date, 18.4 inches had piled up to set a new all-time 24 hour snowfall record. 40 inches of snow fell at Alta in the Wasatch Range.



During the evening thunderstorms produced an F3 tornado in Oregon County, Missouri. During its 26 mile long track one person was killed and another injured. Property damage estimates were near \$5 million dollars.

1985

Typhoon Dot slammed into the Philippines with wind gusts of over 130 mph.

1987

Thunderstorms in the southeastern U.S. produced golf ball size hail at Atlanta, GA, along with wind gusts to 86 mph, and 4 inches of rain. Damage from the storm was estimated at more than \$1 million dollars.

1988

Several cities in the southwestern U.S. reported record high temperatures for the date.

China Lake Naval Air Station, CA hit 100, their latest reading of triple digit heat on record there. Other daily record highs included: Red Bluff, CA: 96°, Redding, CA: 95°, Sacramento, CA: 93°, Bishop, CA: 88°, Reno, NV: 86°, San Francisco, Airport, CA: 85° and Winnemucca, NV: 82°-Tied.

1989

Unseasonably cold air began to invade the central and eastern U.S. Light snow fell across northern Maine, and snow was also reported in the Great Lakes Region, including the Chicago area. Bismarck, ND was the cold spot in the nation with a low of 9°. Huron, SD: 15°, Dodge City, KS: 24°, Wichita, KS: 31°, Wichita Falls, TX: 33° and Midland-Odessa, TX: 37°-Tied.

Several cities in Florida reported record high readings for the date, as temperatures warmed into the upper 80s to low 90s. Record highs included: Fort Myers, FL: 91°-Tied, Miami, FL: 90°-Tied, Tampa, FL: 90°-Tied, West Palm Beach, FL: 90°-Tied and Key West, FL: 89°.

1990

An F3 tornado destroyed 3 homes in Montgomery and Somerset Counties in New Jersey, injuring 8 people, and an F2 tornado damaged homes along the northern edge of Greenville in New Castle County, Delaware. Also, F1 tornadoes touched down in Burlington and Atlantic Counties in New Jersey. Thunderstorm winds injured 4 people in Atlantic County, New Jersey.

1991

3.9 inches of snow fell at Rochester, MN. This set a new record for the greatest amount of snowfall for so early in the season.

1994

A tremendous four day heavy rain event came to an end over southeastern Texas. 10 to 20 inches of rain was widespread, with Liberty checking in with 30.50 inches. Massive flooding occurred, with 18 people losing their lives. Over 13,000 people were evacuated and 22,000 homes were damaged by the floods. Total damage was \$900 million dollars.

1996

Tropical Storm Warnings were lowered along with storm shutters in the Florida Keys as Hurricane Lili passed the state by heading for the Bahamas. Many places in South Florida were under water after several days of heavy rain.

1999

Hurricane Irene passed just east of North Carolina's Outer Banks and accelerated northeastward, intensifying rapidly. The hurricane attained its maximum strength with winds of 105 mph and a minimum central pressure of 958 millibars or 28.29 inHg.

2003

A large 588 decameter heat ridge dominated an area from the central Plains to California. Daily record highs included: Phoenix, AZ: 103°, Pueblo, CO: 88°, Clayton, NM: 86°, Sheridan, WY: 85°, Glasgow, MT: 84°, Denver, CO: 84°-Tied, Boise, ID: 82°, Bozeman, MT: 82°, Miles City, MT: 82°, Elko, NV: 82°-Tied, Helena, MT: 82°-Tied, Colorado Springs, CO: 81°, Ely, NV: 80°, Cheyenne, WY: 80°-Tied, Burns OR: 79°-Tied, Casper, WY: 78°, Cut Bank, MT: 77°, Butte, MT: 76°, Alamosa, CO: 75° and Wisdom, MT: 74°.

2006

Early morning Spring thunderstorms flashed 4,000 lightning strikes across the sky in the southeastern portion of New South Wales in Australia.

2007

A destructive fall tornado hit Nappanee, IN causing extensive damage along its 20 mile path across northeast Marshall, northwest Kosciusko and southwest Elkhart Counties. High end EF3 intensity winds near 165 mph were estimated based on the most severe damage over southeast Nappanee.

Over 100 structures sustained significant damage or were destroyed in town alone. Despite the widespread damage and time of day, only minor injuries were reported.

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October 19th:

1749

The "Norfolk Hurricane" struck the Virginia coast creating Willoughby Spit (a peninsula of land in the independent city of Norfolk, Virginia in the United States.

It is bordered by water on three sides: the Chesapeake Bay to the north, Hampton Roads to the west, and Willoughby Bay to the south.) on the Norfolk shore.

It also demolished Fort George. Streets were flooded and \$130,000 dollars damage was done.

1844

The famous Lower Lakes Storm of 1844 hit the Buffalo, NY - Toronto, Ontario area.

Southwesterly hurricane force winds drove lake waters into downtown Buffalo and the barometer in Toronto dropped to 28.86 inches. 200 people were reportedly drowned.

1940

2.2 inches of snowfall was recorded at Philadelphia, PA starting on this date and ending on the 20th, for the highest amount of snow received from a storm in October.

The maximum 1.7 inch snow depth measured is an October record. Baltimore, MD received 0.4 inches on this day and 0.9 inches on the 20th.

Washington, D.C. received just a tenth of an inch of snow on this date followed by 1.4 inches on the 20th.

1961

Rain changed to a record early season, heavy wet snow over the southern mountains of West Virginia.

Leaves were still on trees, resulting in the worst forest disaster since the fires of 1952-53. One to two feet of snow fell near Summersville and Richwood through the 20th.

1970

Super Typhoon Kate struck Davao City, in the Philippines becoming the second super typhoon to strike the Philippines in four days.

In southern Mindanao, over 5,000 houses and other structures were damaged or destroyed by winds and the storm surge, heavy rains and flooding.

With damage estimates set at \$ 50 million U.S. dollars. At least 631 people lost their lives, with 284 missing.

1972

A trace of snow fell at National & Dulles Airports in Washington, D.C. Up to 3 inches fell in parts of northern and western MD.

1982

An early autumn snowstorm dropped 3 to 12 inches of wet snow over the southeast portions of South Dakota and up to 8 inches in southwest Minnesota and northwest Iowa.

Numerous trees still laden with foliage were downed across the area. Power outages were also extensive from Vermillion to Mitchell.

The snow was convective in nature as lightning flashed and thunder rumbled in some areas. Winds up to 40 mph in concert with the heavy snow proved too much for some structures.

Radio and TV transmitters were knocked down in Sioux Falls and in Vermillion the weight of the snow collapsed the fiber glass roof panel on the covered stadium at the University of South Dakota.

Further west, 2 to 6 inches across the Nebraska panhandle. Up to 8 inches of snow was reported in Hemingford, NE.

1983

Hurricane Tico struck Mazatlan, Mexico with maximum sustained winds of 125 mph. 25,000 people were left homeless.

The surface circulation linked up with a frontal boundary and created flooding rains across Oklahoma and north Texas.

The Red River rose to its highest recorded stage in 40-60 years due to the rainfall.

1984

Thunderstorms deluged the town of Odem, TX, located 15 miles northwest of Corpus Christi with 25 inches of rain in just 3.5 hours.

Most businesses in Odem were flooded, as were 1,000 homes in nearby Sinton.

1989

Record breaking snows fell across parts of the Midwest and Ohio Valley. Totals ranged up to 10.5 inches at Kokomo, IN, 9.3 inches at Indianapolis, IN, 8 inches at Fort Wayne, IN and Goshen, IN.

The 8.8 inch total at South Bend, IN was a record for the month. Up to 7 inches of snow fell in extreme southern Lower Michigan, and up to 6 inches fell in southwestern Ohio. The heavy wet snow downed many trees and power lines. Half the city of Cincinnati, OH was without electricity during the morning hours. Temperatures dipped below freezing across much of the Great Plains Region.

Further west, a record breaking early-season snowfall occurred across extreme eastern Illinois. One to 3 inches of snow fell from the northern Chicago suburbs southward through Champaign and as far south as Newton, in Jasper County. O'Hare Airport in Chicago reported 3.8 inches of snow, setting a record for the earliest snowfall of 1 inch or more. Another 1.8 inches fell the next day with a three day total of 6.3 inches. This event made it the snowiest October on record for Chicago. Further south, a snowfall of 0.3 inches in Springfield, IL marked its earliest measurable snow on record, while Peoria, IL recorded 0.4 inches.

Many cities, including several in Texas, reported record low temperatures for the date. North Platte, NE: 11°, Valentine, NE: 13°, Amarillo, TX: 25°-Tied, Midland-Odessa, TX: 27°, San Angelo, TX: 28°, Fort Smith, AR: 29°, Wichita Falls, TX: 30°, Abilene, TX: 32°-Tied, Shreveport, LA: 32°-Tied, Little Rock, AR: 33°, Beaumont-Port Arthur, TX: 35°-Tied, Houston, TX: 36°, Waco, TX: 37°, Dallas (DFW), TX: 38°, Del Rio, TX: 38°, San Antonio, TX: 38°, Brownsville, TX: 45°, Galveston, TX: 47° and Corpus Christi, TX: 47°-Tied.

In Florida, several cities reported record high temperatures for the date.

The record high of 92° at Miami, FL also marked a record 14 days of 90 degree weather in October, and 116 days for the year.

Other record highs included: West Palm Beach, FL: 92°-Tied and Key West, FL: 89°-Tied.

1990

A tornado damaged an apartment complex and shopping center near Baltimore, MD.

1991

Record heat continued across the southwest. Palm Springs, CA hit 111°; not only setting a daily record high but it is also their latest date in the season to reach 110° or higher.

Other daily record highs included: Borrego Springs, CA: 109°, Yuma, AZ: 103°, Redding, CA: 93°, Sacramento, CA: 91°, Stockton, CA: 89°-Tied and Flagstaff, AZ: 77°.

1996

The opening game of World Series between the Braves and Yankees in New York was postponed by heavy rains and high wind from a major storm system affecting the East Coast, marking the third time in history that the World Series opener had been postponed. Overall, nine of the 22 games that have been cancelled in Series history were scheduled in New York or Brooklyn.

The storm flooded highways and some homes and knocked out power to more than 200,000 in New Jersey, New York and Connecticut.

In New York, the power outages were said to be the worst since Hurricane Gloria in 1985. Three people were killed by falling trees.

More than 8 inches of rain fell in parts of New Jersey and a record 4.35 inches fell in Central Park.

A Delta Airlines jet skidded off a runway at LaGuardia Airport injuring 5 people and forcing the closure of the airport for nearly 24 hours.

In Boston, MA, parts of the Head of the Charles rowing competition had to be cancelled.

Hurricane Lili slams into the Bahamas with winds of 95 mph, hitting the village of Georgetown on the Island of Exuma.

Lili intensified to a Category 3 Hurricane as she moved northeast away from the Bahamas weakening the next day.

2004

On this date through the 20th, a severe Bering Sea storm generated waves atop high tide to flood downtown Nome, AK with a storm surge as high as 20 feet.

Flooding of downtown streets caused the evacuation of dozens of Nome businesses and homes when the surge knocked loose 1,000-pound propane tanks.

Heavy snow blanketed the Sierra Nevada Mountains from this date through the 21st. Two climbers died in Yosemite National Park climbing El Capitan.

Snowfall totals included: Blackcap Basin: 45 inches, Gin Flat: 40 inches and Agnew Pass: 39 inches.

Bishop, CA recorded 1.21 inches of rain which was the greatest one day total in October.

2005

Hurricane Wilma pushed the 2005 season to the most active ever recorded, added another entry to the record books.

The central pressure of this Category 5 storm fell to 882 millibars or 26.05 inHg, the lowest minimum pressure ever measured in the Atlantic basin Its maximum sustained wind peaked at 185 mph.

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October 20th:

1770

A devastating storm struck eastern New England causing extensive coastal damage from Massachusetts to Maine, and the highest tide in 47 years.

1924

A weak hurricane made landfall near Marco Island, FL with gusts to 90 mph on the afternoon of the 20th.

The storm moved across the peninsula, exiting into the Atlantic near Ft. Lauderdale as a tropical storm early on the 21st.

1952

Central Park in New York City had their earliest measurable snowfall with a half inch falling.

1956

The temperature reached 57° at the Esparanza Base research station, Antarctica located at 63 degrees south for the continents highest temperature.

1957

On this date through the 21st, Southern California was hit by the second major storm of the month, causing widespread thunderstorms.

Waterspouts were sighted off Point Mugu and Oceanside. Santa Maria was drenched with 1.13 inches of rain in two hours and hail drifts to 18 inches in East Los Angeles.

1983

The remnants of Eastern Pacific Hurricane Tico caused extensive flooding in central and south central Oklahoma.

Oklahoma City set daily rainfall records with 1.45 inches on the 19th, and 6.28 inches on the 20th.

Tulsa set a 24 hour rainfall record for the month of October as 5.63 inches fell. Shawnee, OK picked up 14 inches over the two days.

Cottonwood Creek, in the Guthrie area in Oklahoma reached a record crest of 29.6 feet. West sections of Guthrie were flooded, requiring the evacuation of more than 500 people.

A four-foot deep "wall of water" reportedly moved across the rapidly rising water, and washed cars and trucks off the streets.

One man, who was holding onto a car, was swept away and drowned.

The flooding resulted in about \$2.5 million in damages.

1987

Cold arctic air invaded the Upper Midwest, and squalls in the Lake Superior snowbelt produced heavy snow in eastern Ashland County and northern Iron County of Wisconsin.

Totals ranged up to 18 inches at Mellen.

In the western U.S., Bakersfield, CA reported a record 146 days in a row with daily highs 80° or above.

1988

Unseasonably warm weather continued in the western U.S. In California, afternoon highs of 96° at Redding and Red Bluff, CA were records for the date.

Sacramento & Bishop, CA tied their previous high temperature records with 88° and 84° respectively.

1989

Many cities reported record low temperatures for the date as readings dipped into the 20s and 30s across much of the south central and southeastern U.S.

Lows of 32° at Lake Charles, LA and 42° at Lakeland, FL were records for October, and Little Rock, AR reported their earliest freeze on record.

Snow blanketed the higher elevations of Georgia and the Carolinas. Melbourne, FL dipped to 47° shortly before midnight to surpass the record low established that morning.

Showers and thunderstorms brought heavy rain to parts of the northeastern U.S. Autumn leaves on the ground clogged drains and ditches causing flooding.

Up to 4.10 inches of rain soaked southern Vermont in 3 days. Flood waters washed 600 feet of

railroad track, resulting in a train derailment.  
Squalls off the Great Lakes buried Marquette, MI under 12.7 inches of snow, a record October 24-hour total.

1991

The Oakland Hills Fire exploded in the hills above the city. Whipped into a conflagration by high "Diablo" winds, the fire raged into a firestorm that killed 25 people and caused over \$1.5 billion in damage.  
Fortunately, the "Diablo" winds died before the flames reached downtown Oakland.

1992

A clipper system brought light snow to parts of the upper Midwest. The following locations had their earliest measurable snowfall:  
Galesville, MN: 2 inches, Lansing, IA 2 inches, Readstown, WI: 2 inches, and Lynxville, WI: 1 inch. Dodge, WI tied 10/20/82 for the earliest snowfall with 2 inches.

1996

New England was in the middle of a four day nor'easter which dumped tremendous rainfall totals, especially over eastern sections.  
19.19 inches of rain fell at Camp Ellis, ME. 13.03 inches was recorded at Newburyport, MA. Portland, ME set a new all-time 24 hour rainfall record with 13.32 inches.  
Other rainfall totals included 17.21 inches at Sanford, ME, 12.23 inches at Portsmouth, NH, 11.21 inches at Bedford, MA, and 7.89 inches at Boston, MA.  
The storm tapped moisture from Hurricane Lili, far to the southeast over the Atlantic, which contributed to the excessive rainfall.  
The nor'easter also produced high winds along coastal sections. A wind gust to 81 mph was recorded at Little Compton, RI.  
One person was killed and total damage was over \$50 million dollars.

2002

17 people were injured, 3 seriously, when a Japan Air Lines domestic flight encountered severe turbulence.

2003

A persistent Pineapple Express flow dropped torrential rains across the Pacific Northwest. Seattle, WA broke a one-day rainfall record, 5.02 inches, shattering the old record of 3.41 inches.  
Governor Gary Locke declared a state of emergency for 7 counties as 10 rivers in Washington rose above flood stage.

Record heat continued across parts of the west as many locations reported record highs including: Palm Springs, CA: 106°, Yuma, AZ: 105°, Borrego Springs, CA: 104°, Phoenix, AZ: 103°, Tucson, AZ: 97°, Victorville, CA: 95°, Idyllwild, CA: 86°, Bishop, CA: 86°, Reno, NV: 85°, Palomar Mountain, CA: 84°, Pendleton, OR: 84°, Boise, ID: 84°, Winnemucca, NV: 83°-Tied, Ely, NV: 80°, Eugene, OR: 80°, Pocatello, ID: 80°, Flagstaff, AZ: 77°, Portland, OR: 77°, Salem, OR: 77°, Yakima, WA: 77°, Burns, OR: 76° and Big Bear Lake, CA: 76°.

2004

An unusually strong early season low pressure system brought significant amounts of rain to much of the southwest.  
Not just daily, but monthly record rainfall was received in only one day across parts of southern California.  
The same happened again on the 27th. The monthly record rainfall was exceeded in only six hours in many locations of Orange County.  
Totals for last two weeks of October were 4 to 8 inches in lower elevations, and up to 14 inches at Lake Arrowhead.  
A storm wind of 39 mph was measured at Lindbergh Field from the south, the strongest October wind on record.  
1.95 inches of rain fell at Riverside and 3.15 inches fell at Santa Ana, their greatest daily amounts on record for October. 3.5 inches of snow fell in Idyllwild, their greatest daily amount on record for October.  
Widespread flooding occurred.

Mt. Charleston, NV reported a 24 hour precipitation total of 9.78 inches of rain. This was supported at Kyle Canyon which reported 8.75 inches of rain.  
This total is most likely a state record for 24 hour precipitation. With the amount of rainfall received, it's amazing that no flooding was reported.

Typhoon Tokage blasted across Japan triggering flash floods that washed away entire hillsides, killing 55 people and leaving at least 24 people missing.  
The last time storms killed more people was in September 1988.

2008

Storms with prolonged, heavy rains that caused flash floods claimed the lives of 11 people in

Morocco. The flash floods inundated dozens of homes and destroyed many clay houses.

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