

WEATHER HISTORY FOR MARCH 21ST - 31ST

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

Charlie Wilson Wilmington Weather ExaminerSubscribeSponsor an Examiner A member of the American Meteorological Society,
Charlie Wilson has combined his knowledge of Meteorology & Weather History with his Education background in Communications.

(Ref. Charlie Wilson Weather History)

March 21st:

1801

The Jefferson Flood hit the Connecticut Valley. The flooding was the greatest since 1692. The Federalists named the flood for the new President, who they blamed for the disaster.

1868

One of the major snowstorms in Mid Atlantic history dumped 15-20 inches of snow in Philadelphia, PA, 32 inches in 16 hours on Georgetown, DE, and an average 30 inch snow at New York City. This snowstorm would rank as the third largest snowstorm since 1843. The winter of 1868 set major snowfall records that would not be equaled for over a century in parts of the northeast. Locations around New York City reported 80-89 inches during the winter, Boston: 83 inches, Middletown CT: 96 inches.

1876

More than 40 inches of snow stopped traffic at Montreal, Quebec Canada. Trains were delayed, and mail carriers resorted to snowshoes.

1932

A major outbreak of tornadoes occurred from Mississippi eastward to South Carolina and northward to Indiana into the next day. Nearly all the deaths occurred in Alabama making this the worst tornado day in the state's history. 31 twisters touched down across Alabama, Mississippi, Georgia and Tennessee. 10 twisters were ranked F4. A total of 268 people were killed and over 2,100 were injured. Damage totaled \$5 million dollars.

1935

Suffocating dust storms occurred frequently in southeast Colorado between the 12th and the 25th of the month. Six people died, and many livestock starved or suffocated. Up to six feet of dust covered the ground. Schools were closed, and many rural homes were deserted by tenants.

1936

The Connecticut River at Hartford reached its highest stage ever at 37 feet above flood stage during what was called, "The Great New England Flood of 1936". Before, the river had never reached 30 feet.

1951

Antarctica is the windiest place in the world. Port Martin averaged 40 mph winds throughout the year. On this day, the winds averaged 108 mph.

1952

Killer tornadoes ravaged Arkansas, Missouri, Tennessee, and Mississippi. The outbreak was the worst in Arkansas history. 31 tornadoes reported in Alabama, Mississippi, Tennessee, Arkansas, Missouri and Kentucky. 17 tornadoes were rated F2 or greater in intensity with 7 of those rated F4. 13 tornadoes were reported in both Tennessee and Arkansas. Judsonia and Bald Knob, AR were hit by one of the F4 tornadoes. The only building left standing at Judsonia was a church, the rest of the town devastated by the one and one half mile wide twister. 50 people were killed and 325 were injured. Damage was set at \$3.5 million. Another F4 tornado tore up Bolivar and Henderson, TN with 38 killed and 157 injured. A total of 202 people were killed and 1,226 were injured with 3,500 homes were destroyed.

1968

It rained for 36 straight hours in Memphis, TN, before the rain changed to snow and accumulated to 16.1 inches before ending 20 hours later.

1987

A winter storm in the Northern Plains Region produced blizzard conditions in western South Dakota. Winds gusted to 70 mph at Rapid City, SD, and snowfall totals ranged up to 20 inches at Lead, SD. The high winds produced snow drifts six feet high.

1988

Bitterly cold weather prevailed across the northeastern U.S. Portland, ME reported their coldest spring day on record with a morning low of 5°, and an afternoon high of just 21°. Marquette, MI reported a record low of -15°.

1989

Snow blanketed the northeastern U.S. early in the day, with 6 inches reported at Rutland, VT.

Morning and afternoon thunderstorms produced large hail and damaging winds from southwestern Mississippi to southwest Georgia.

1990

The first full day of spring was a cold one for the eastern U.S. Freezing temperatures damaged 62% of the peach crop in upstate South Carolina, and 72% of the peach crop in the ridge area of South Carolina. Elkins, WV, which a week earlier reported a record high of 82°, was the cold spot in the nation with a morning low of 16°.

1991

It snowed 24 inches at Palomar Mountain in California, the second greatest daily snowfall on record (and the second greatest snowfall for March; 25 inches fell on 3/18/1991). 1.98 inches of rain fell in La Mesa, 0.81 inch fell at Lindbergh Field. Mud slides, road washouts, and power outages were reported at Rincon Indian Reservation.

1992

Intense snow squalls associated with a stalled cold front and a "norlun" instability trough buried Kennebunkport, ME under 14 inches of snow in only four hours. Goose Rocks Beach reported an amazing two feet in the same time period. Portland, ME recorded 4 inches of snow in just one hour with a total of 11.4 inches. Nearly 6 inches of snow fell in one hour in the Beverly, MA area, resulting in a 27-car pile up on route 128 and the closing down of the route for 1.5 hours.

1997

Record high temperatures occurred in parts of the southern Plains including Hobart, OK with 93° and Harrison, AR with 86°.

2002

In South America, heavy rains triggered flooding and landslides throughout Ecuador leaving 13 people dead and more than 6,000 people homeless.

March 22nd:

1872

Heavy snows occurred in parts of Dixie with 10 inches reported at Oconee County, South Carolina.

For the 161st consecutive day, the temperature was below freezing at Muscatine, IA.

1888

The morning low at Chicago IL's dipped to -1°, the latest sub zero reading in the city's history.

1893

The first tornado was recorded in Oklahoma City, OK on this date. It destroyed 14 buildings and injured four people as it passed through the center of town. There was minor damage to the Weather Bureau office, then located at Grand and Robinson in south Oklahoma City.

1897

Arlington Academy in Arlington, GA was struck by an F2 tornado at 8:30am as students and two teachers watched from a window. The tornado was upon them before they realized the danger they were in. At least eight people at the school were killed. Rescuers worked for hours in a driving rain to free the injured.

1907

The mercury soared to 90° at Washington, D.C.; their earliest 90 degree day on record. They would follow it up the next day with 93°, their hottest March temperature ever followed by a record high of 84° on March 24.

1920

A spectacular display of the Northern Lights was visible as far south as Bradenton, FL, El Paso, TX, and Fresno, CA. At Detroit, MI, the display was described "so brilliant as to blot out all stars below first magnitude".

1935

Suffocating dust storms occurred frequently in southeast Colorado between the 12th and the 25th of the month. Six people died, and many livestock starved or suffocated. Up to six feet of dust covered the ground. Schools were closed, and many rural homes were deserted by tenants.

1936

Great floods were at their crest on rivers from Maine to Ohio. Pittsburgh, PA reached 6.1 feet,

Harrisburg, PA hit 3.5 feet, and Hartford, CT hit 8.6 feet, a depth greater than ever before. The flood claimed 107 lives and caused \$270 million dollars property damage.

1954

The Chicago River overflowed its banks as 6 to 10 inches of rain drenched the city and surrounding area.

1964

A big snow storm that started on this day ended on March 24. 29 inches of snow fell in Idyllwild, of which 22 inches fell on 3/24 alone (the greatest daily March snowfall on record), 26 inches fell at Lake Arrowhead, 23 inches at Palomar Mountain and 18 inches at Big Bear Lake.

1965

A vigorous cold front swept across Denver, CO late in the afternoon with winds gusting to 38 mph creating blowing dust. Snowfall from the storm totaled 4.4 inches at Stapleton International Airport. Temperatures dropped from a high of 63° to 18° in just 10 hours and dipped to -3° on the morning of the 24th. High temperatures only warmed to 19° on the 23rd and 18° on the 24th.

1968

Dayton, OH picked up 11.3 inches of snow which stood as greatest 24-hour snowfall until the Blizzard of '78.

1977

A blockbuster coastal storm lashed New York and New England. Norfolk, CT was buried under 33 inches of snow. 24 inches was reported at Pittsfield, MA and 18 inches piled up at Gardner, MA. Snow amounts exceeded 30 inches in the Catskills in southeastern New York. 3 to 5 inches of rain deluged south coastal New England and wind gusts reached 60 to 90 mph. A 450 foot radio tower in Framingham, MA was toppled by the high winds.

1979

Near blizzard conditions paralyzed the northeastern part of Colorado. Strong winds and drifting snow closed many roads; including I-25 and I-70. Power outages were reported across parts of Denver. Snow accumulations of 4-12 inches were measured across parts of the Plains with drifts several feet deep in places. Only 3.5 inches of snow was reported Stapleton International Airport in Denver, CO.

1987

An intense storm produced heavy snow in the southern and central Rockies, and high winds from southern California to West Texas. Wolf Creek Pass, CO received 24 inches of snow, and winds gusted to 69 mph at Ruidoso, NM. Blizzard conditions were reported in parts of eastern Colorado.

1988

Rain and high winds battered the Northern Pacific Coast Region, with wind gusts to 78 mph at Ocean Shores, WA. The high winds uprooted trees and down power lines.

Several cities in the northeastern U.S. reported new record low temperatures for the date while more cities in the central U.S. reported record high temperatures. Southerly winds gusting to 60 mph helped push the mercury at Ottumwa, IA to a record high of 83°.

1989

Several cities in the Great Lakes Region, and three in southern Texas, reported new record low temperatures for the date, including Alpena, MI with a reading of 9°, and Brownsville, TX with a low of 38°.

1990

A surge of arctic air kept temperatures in the teens and 20s during the day in the north central U.S., and heavy snow fell over parts of Montana. Meanwhile, record warmth was reported in the western U.S. and in Alaska. Phoenix, AZ reported a record high of 94°, and the town of Barrow, located along the arctic coast of Alaska, reported a record high of 20°.

1993

On this date through the 22nd, a band of convective snow developed over northern Iowa. Snow began falling during the predawn hours and was falling at a rate of two or more inches per hour over parts of northwest Iowa. The heaviest snow fell in a narrow band extending from Sioux Falls, SD southeast to near Storm Lake, IA where amounts of 8 inches or more were common. Sioux Falls, SD reported over a foot of snow. Other heavy amounts included 10.5 inches in Alton and 14 inches at Sheldon.

1997

Heavy snow fell across parts of New England. Eight inches of snow fell at Danforth, ME with four inches at Grand Falls, ME.

Louisiana residents near the flooded Mississippi River met with unwelcome visitors: snakes and alligators displaced by the river. New Orleans officials warned joggers and other visitors to the

recreation area along Lake Ponchartrain to watch out for the slithering reptiles. The river, at its highest level since the 1927 flooding, sent residents to shelters and completely surrounded the state prison at Angola, where prisoners labored to shore up the last remaining levee with sandbags.

Stargazers had their best nighttime view of the Hale-Bopp comet as it made its closest pass to the Earth on this date: 123 million miles away. The huge comet is four times larger than Halley's Comet with an icy core up to 25 miles in diameter. The last time Hale-Bopp was visible was over 4,000 years ago.

2.4 inches of snow on this day at Marquette, MI pushed its seasonal snowfall total to 253.4 inches, the city's snowiest season on record up to this time. This record was broken in the 2001-2002 season.

2001

Another winter storm dumped 8-20 inches of snow on southern Quebec Canada closing many highways. More than 40,000 Hydro-Quebec customers lost power, nearly half of those for almost 48 hours.

2004

It was 82° in Idyllwild, CA and 93° in Victorville, CA, each setting daily and March records.

March 23rd:

1765

A major snowstorm struck the eastern seaboard from Massachusetts inland to Pennsylvania. Reports showed as much as 2.5 feet of snow fell in some locations.

1899

An amazing 141 inches of snow fell at Ruby, CO between the 23rd and 30th to establish the state record for greatest snowfall from a single storm.

1907

Washington, D.C. enjoyed their hottest March day on record as the mercury soared to 93°. Most of the east coast enjoyed early spring heat.

1912

Olathe, KS picked up 37 inches of snow through the 24th to establish the state's record for greatest snowfall from single storm.

1913

A strong F4 tornado hit Omaha, NE. The tornado struck during the late afternoon on Easter Sunday, and in just 12 minutes cut a swath of total destruction 5 miles long and 2 blocks wide across the city killing 94 people, destroying 600 homes and causing \$3.5 million dollars property damage.

A tornado at Terre Haute, IN killed 21 people, causing a million dollars damage, and demolished 300 homes.

Massive flooding occurred on the Ohio River and its tributaries as 10 inches and more fell across a wide area of the Ohio River basin. 467 people were killed and 75,000 people were left homeless.

1916

Pocatello, ID established their 24-hour snowfall record with 14.6 inches.

1917

One of Indiana's deadliest tornadoes killed 45 people in New Albany, caused \$1.5 million in damage, and left 350 families homeless. A smaller tornado went by Carlisle, IN killing one person. Another twister moved from near Preble to just outside Monmouth, IN. Six students were hurt when the tornado hit a school.

1935

Suffocating dust storms occurred frequently in southeast Colorado between the 12th and the 25th of the month. Six people died, and many livestock starved or suffocated. Up to six feet of dust covered the ground. Schools were closed, and many rural homes were deserted by tenants.

1957

Strong northerly winds gusting to 62 mph reduced visibilities to one mile or less at times at Stapleton Airport at Denver, CO as they dodged a major spring storm which produced heavy rain, snow, wind and dust over eastern Colorado through the 25th. Snow drifted to 15 feet in places. All traffic was blocked, power lines were downed and livestock and crop losses were high.

1972

Halifax, Nova Scotia Canada had its wettest March day in history as 3.55 inches of mixed precipitation, mostly rain fell.

1983

Oklahoma City, OK saw snow flurries on this date. Going back to 1891, this city has never had an accumulating snow on March 23 in any year.

1987

A blizzard raged across western Kansas, and the panhandle of Texas and Oklahoma. Pampa, TX received 21 inches of snow; the worst in at least 70 years. 24 inches was recorded at Neligh, NE. Winds gusted to 78 mph at Dodge City, KS and Altus, OK. At Dodge City, KS, the winds continued in the 73 to 77 mph range for about 4 hours. Snow and blowing snow continued to reduce visibilities to near zero with wind speeds of 40 to 50 mph until the early morning hours the next day. Dodge City reported 11 inches of heavy wet snow. The wet snow helped to prevent a tremendous amount of drifting even with 60 to 70 mph winds. Very solid snow drifts stood 6 feet tall on the Dodge City airport. Governor Hayden declared 46 counties in western Kansas a disaster area. In southwest Kansas, the storm was described as the worst in 30 years.

1988

Thunderstorms developing along a strong cold front spawned tornadoes near Roberts, ID and Bridger, MT.

Strong and gusty winds prevailed in the western U.S. Wind gusts in the southwest part of Reno, NV reached 89 mph.

1989

Charlotte and Wilmington, NC reported rainfall records for the date while freezing rain glazed parts of northern North Carolina and southern Virginia. Gale force winds produced heavy surf along the North Carolina coast.

1990

An upper level storm system produced heavy snow in the Lower Missouri Valley. Snowfall totals ranged up to 9 inches at Kansas City, MO, with 8 inches reported at Falls City, NE, Columbia and St. Louis, MO. Thunderstorms produced heavy snow in the Kansas City area during the evening rush hour. Up to 8 inches of snow fell along the Ohio River in southern Indiana.

Several hours of freezing drizzle covered roadways with a thin layer of "black ice" which caused 100 traffic accidents in and around Denver, CO. In Boulder, CO, snow, ranging up to an inch east of town to 4 to 5 inches near Table Mesa, and freezing rain caused numerous accidents and brief power outages. At times thunder was heard during the snow.

1996

The third storm in 10 days brought heavy snow to the parts of the Rockies. Golden Gate Canyon reported 18 inches and Nederland had 10 inches in the foothills of Colorado. Snowfall generally ranged from 4 to 8 inches across Denver, CO. As the storm moved east, blizzard conditions developed on the 24th and 25th closing both I-70 and I-76 east of Denver.

1999

Severe Tropical Cyclone Vance devastated the northwest town of Exmouth, producing a measured wind gust of 167 mph, which is the highest wind speed ever recorded on mainland Australia. The gust was recorded at 11.50 am local time at the Learmonth Meteorological Office, 24 miles south of Exmouth, as Vance passed nearby.

2007

A tornado obliterated a section of Clovis, NM flattening about 100 homes and businesses, snapping telephone poles and even heaving a trailer through a bowling alley. At least three schools were damaged. This tornado was one of 13 that strike a dozen communities along the New Mexico-Texas border on this date, leaving two people critically injured.

March 24th:

1765

A major snowstorm hit from Pennsylvania to Massachusetts. From Philadelphia, PA came this report: "On Sunday night last there came on here a very severe snowstorm, the wind blowing very high, which continued all the next day, when it is believed there fell the greatest quantity of snow that has been known for many years past; it being generally held to be two feet, or two feet and a half, on the level, and in some places deeper".

1912

Residents of Kansas City, MO began to dig out from a storm that produced 25 inches of snow in 24 hours. The snowfall total was nearly twice that of any other storm of modern record in Kansas City before or since that time. A record 40 inches of snow fell during the month of March that year, and the total for the winter season of 67 inches was also a record. By late February, Kansas City had received just 6 inches of snow. Olathe, KS received 37 inches of snow, establishing a single storm record for the state of Kansas.

1929
St. Louis, MO soared to 92°; their all-time record high for March.

1935
Suffocating dust storms occurred frequently in southeast Colorado between the 12th and the 25th of the month. Six people died, and many livestock starved or suffocated. Up to six feet of dust covered the ground. Schools were closed, and many rural homes were deserted by tenants.

1944
Royal Air Force crews flying bombing missions over Germany encountered the tremendous upper level winds we now know as the Jet Stream. Scientists at the University of Chicago gave the name to the high altitude ribbon of high winds in 1947.

1957
Amarillo, TX picked up 11 inches of snow from an early spring storm. Drifts piled up to 14 feet in places.

1959
The second major spring snowstorm in less than a week dumped 10 to 20 inches of snow across northeastern Colorado. 14.3 inches was reported in Denver where winds gusted over 35 mph creating near blizzard conditions with visibilities frequently down to ½ mile. Many travelers were stranded.

1970
A strong cold front produced a wind gust to 60 mph at Denver, CO where a little over three inches of snow fell following the frontal passage. The strong winds caused minor damage in and north of Denver. Following the frontal passage, blowing dust reduced visibilities and the temperature at Denver dropped 25 degrees in one hour from 65° to 40°.

1975
"The Governor's Tornado" hop-scotched a 13-mile path across the western part of Atlanta, GA during the early morning hours, causing considerable damage to the Governor's mansion. Hundreds of expensive homes, businesses and apartment complexes were damaged. Total losses were estimated at \$56 million dollars. Three people lost their lives and another 152 were injured by the F3 tornado.

1983
A late March snowstorm set many heavy snow records for so late in the season from east-central Alabama, across northern Georgia and parts of the Carolinas. Records included 11 inches at Cornelia, GA, 10 inches at Charlotte, NC, 8.7 inches at Athens, GA, and 7.9 inches at Atlanta, GA. It was the heaviest snowfall ever for the Georgia capital and the most ever recorded in March.

1987
An early spring snow storm in the central U.S. produced blizzard conditions from South Dakota to western Kansas. Snowfall totals ranged up to 24 inches at Neligh, NE, with 19 inches at Winner, SD. Winds gusting to 60 mph created 12 foot snow drifts in Nebraska stranding thousands on highways.

1988
Thunderstorms developing along a cold front produced severe weather from Minnesota to northeastern Texas. The thunderstorms spawned 10 tornadoes, including one which injured 5 people near Raymondville, MO.

1989
Low pressure off the coast of Virginia brought heavy rain to the Mid-Atlantic Coast, and heavy snow to the Northern Appalachians. Cape Hatteras, NC was soaked with 5.20 inches of rain in 24 hours, and snowfall totals in Vermont ranged up to 12 inches. Winds gusted to 52 mph at New York City.

1990
The storm system which produced heavy snow in the Lower Missouri Valley the previous day spread heavy snow across parts of the Ohio Valley and the Mid-Atlantic Coast Region. Snowfall totals of 2.2 inches at Philadelphia, PA and 2.4 inches at Atlantic City, NJ were records for the date. Up to 6 inches of snow blanketed southern Ohio. In Washington, D.C., snow coated the blossoms of cherry trees which had bloomed in 80 degree weather the previous week.

1993
"The Winter of the Return of the Big Snows" continued to set records. Boston, MA had 8.6 inches of snow on this day to push its monthly total to 38.9 inches, which set a new March monthly snowfall record.

1998

160 people were killed and 2,000 injured when tornadoes affected 20 coastal villages in the states of West Bengal and Orissa in India. More than 15,000 homes were destroyed and more than 10,000 people were left homeless.

2002

The worst sand/dust storm in 40 years affected Korea caused by gale-force winds in the desert areas of Mongolia and northern China.

2003

On this date through March 26, a strong storm system crossing the eastern Mediterranean brought significant storms to the Middle East. Strong winds raised severe sandstorms over large portions of Saudi Arabia, Iraq and Kuwait, severely affecting U.S. and coalition military operations.

7.29 inches of rain fell in 24 hours in Phuket, Thailand. The average March rainfall there is just 2.36 inches. This was the wettest day since 9/24/2001 when 7.88 inches of rain fell in 24 hours.

March 25th:

1843

A second great snowstorm hit the northeastern U.S. The storm produced snow from Maine all the way to the Gulf of Mexico. Natchez, MS received 3 inches of snow, and up to 15 inches buried eastern Tennessee. Parts of coastal Maine received 204 inches of snow that winter.

1901

More than 20 people were killed by an F3 tornado that moved across parts of Birmingham, AL. The twister cut a 15 mile path from the south side of the city to Avondale and Irondale.

1914

Society Hill, SC was buried under 18 inches of snow, establishing a state record.

1934

Amarillo, TX received nearly 21 inches of snow in 24 hours, but the snow never got any deeper than 4.5 inches as most of it melted as it fell.

1935

Suffocating dust storms occurred frequently in southeast Colorado between the 12th and the 25th of the month. Six people died, and many livestock starved or suffocated. Up to six feet of dust covered the ground. Schools were closed, and many rural homes were deserted by tenants.

1948

For the second time in less than a week, airplanes were destroyed by a tornado at Tinker AFB in Oklahoma City, OK. A March 20th tornado destroyed 50 planes at Tinker AFB causing more than \$10 million dollars damage, and the March 25th tornado destroyed another 35 planes causing \$6 million dollars damage. The first tornado struck without warning, and caused more damage than any previous tornado in the state of Oklahoma. The second tornado was predicted by Fawbush and Miller of the United States Air Force, and their accurate tornado forecast ushered in the modern era of severe weather forecasting.

1961

The fifth major snowstorm of the month prompted the provincial government to declare a state of emergency on Prince Edward Island Canada. Snow drifts of 33 feet reached overhead power lines in places.

1975

The town of Sandberg reported a wind gust to 101 mph, a record for the state of California.

1984

Hawaii's Mauna Loa, the largest and most active volcano on the Earth, began erupting on this date. The dramatic lava flow came to within just four miles of Hilo, narrowly averting a major disaster.

1987

Heavy rain left rivers and streams swollen in Kansas and Nebraska, causing considerable crop damage due to flooding of agricultural areas. The Saline River near Wilson Reservoir in central Kansas reached its highest level since 1951. March rainfall at Grand Island, NE exceeded their previous record of 5.57 inches.

1988

An early season heat wave prevailed in the southwestern U.S. The high of 93° at Tucson, AZ was a new record for March. Windy conditions prevailed across the central and eastern U.S. Winds gusted to 60 mph at Minneapolis, MN, and reached 120 mph atop Rendezvous Peak, WY.

1989

A Pacific storm brought wet weather to much of the western third of the country, with heavy snow in some of the higher elevations. La Porte, CA was drenched with 3.56 inches of rain in 24 hours. Up to 24 inches of snow blanketed the Sierra Nevada Range.

1990

Temperatures dipped below 0° in the Northern Rocky Mountain Region. Hardin, MT was the cold spot in the nation with a morning low of -10°.

Freezing drizzle was reported in parts of the Southern Plains Region, with afternoon highs only in the 30s down into Missouri and Arkansas.

1992

Severe thunderstorms moving through Lake, Orange, and Seminole counties in Florida dropped hailstones up to 4 inches in diameter and resulted in what is called "the most economically destructive force ever to hit the Orlando area" -- worse even than Hurricane Donna which struck Florida in 1960. Damage totaled \$60 million dollars making this the costliest hailstorm ever in Florida, exceeding the damage done by another hailstorm which occurred only 19 days earlier on March 6th. The nursery industry in southern Lake county and western Orange county was virtually shut down by the hailstorm. Literally millions of glass panes were broken. Hail up to baseball size hit the University of Central Florida. The largest official hailstone recorded was 3.00" at the UCF -the second largest Florida hailstone on record, but residents reported larger hail that melted.

1993

A severe thunderstorm produced hailstones up to 2 inches in diameter across parts of Austin, TX, resulting in the worst and costliest hailstorm in the city's history. An estimated \$75 million dollars in damage was done to cars, roofs, skylights, greenhouses, and vegetation. 60 people were injured by the hail as they scrambled to protect their vehicles and other valuables.

1995

The first of three big hailstorms of the spring struck the Dallas-Fort Worth Metroplex in Texas. A severe thunderstorm moved across Dallas County, dumping hailstones up to 3 inches in diameter. Total damage reached \$80 million dollars.

2003

Massive sandstorms held up the U.S. led coalition as its ground forces continued to advance toward Baghdad, Iraq. The storms reduced visibilities to a few feet, bringing vehicles to a halt and canceling hundreds of air missions. Much of Iraq was covered by fine dust, making it much more prone to such dust storms.

March 26th:

1884

Two steamboats were crushed by ice during the breakup of a major ice jam at Bismarck, ND.

1891

Washington, DC reported an unusual late winter storm snow accumulation of up to a foot. Up to five inches has fallen as late as March 30-31 in the nation's capital.

1913

The Miami River at Dayton in Ohio reached a record flood crest 8 feet higher than the previous record crest after 10 inches of rain deluged a wide area of the Ohio River Basin. Severe flooding killed 467 people and total damage was \$147 million dollars.

1929

The town of Elba, AL received an amazing 38.09 inches of rain during a 4-week period from February 26th - March 26th as every river in the state of Alabama was flooding. Birmingham, AL received 81.82 inches of rain that year, a record that still stands. The annual rainfall total at Seven Hills, AL west of Mobile was an incredible 96.88 inches. 29 people died in the Alabama flooding.

1930

19.2 inches of snow was reported over a 2-day period at Chicago, IL.

1935

A severe dust storm swept across Denver, CO. The dense dust blew in from the east-northeast with gale force winds. The dust bank was first visible on the northeastern horizon about 2pm local time. As a rolling, swirling yellowish to smoke black cloud, at 2:06pm the cloud enveloped the Denver area. The visibility went from unlimited to 1/8 mile in just two minutes. By 2:25pm, the visibility was improving and above 1,000 feet by 3:10pm. Thereafter, the dimmed sun appeared

periodically. The dust was partially gone by 8:30pm.

1948

Good Friday tornadoes moved from Terre Haute to Redkey, IN killing 20 people. 80% of the town of Coatesville was destroyed, and 16 people were killed. The path was a half mile wide.

1950

Dumont, SD, set the state's 24-hour snowfall record with 38 inches and a single storm of 60 inches through March 28th.

1954

The temperature at Allaket, AK plunged to -69°. This set a record for the lowest U.S. temperature ever for March.

1968

The United Kingdom's wettest March day on record occurred as 6.47 inches of rain fell at Glen Etive, Highland. Ardgour House, Highland was just behind with 6.42 inches, while 6.34 inches fell at Broadford, Skye and 6.26 inches of rain at Kinlochewe.

1971

Parts of northern and central Georgia experienced their worst snow and ice storm since 1935. Power outages lasting two days ruined 2 million eggs at poultry hatches. Two people were killed when a tree landed on their car.

Denver, CO recorded their highest March temperature soaring to 84°.

1975

A major Pre-Easter blizzard battered the Rockies into the Plains. In northeastern Colorado, millions of dollars in livestock were lost. Denver escaped the brunt of the storm only receiving five inches of snow. Temperatures plunged there from 50° to 18° by midnight on March 26th.

A combination of rain, freezing rain, sleet and snow produced an intense ice storm over the northern two-thirds of Iowa. Heavy ice accumulation on power and telephone lines, combined with winds of 20 to 30 mph to cause extensive damage. Hundreds of power and telephone poles snapped. 70,000 homes were without electric power, many for six days. At least eight radio or TV towers were heavily damaged or destroyed. Many old timers claimed that this was one of the worst ice storms of memory in this century.

1983

A heavy snowstorm struck from eastern Nebraska to southwestern Minnesota. A general 10 to 20 inches of snow fell. Lyons, NE recorded 24 inches. The 13.3 inches that fell at Omaha, NE set a new record for the heaviest spring snowfall on record.

1984

The Mojave Desert was strafed by ferocious winds of 60-90 mph. Peak winds at Mojave were clocked at 103 mph and Daggett reported 66 mph. Power outages and road closures resulted. Near Indio, a California Highway Patrol officer reported a car door ripped off and that he was hit by a sizable rock. Another car had its windows blown out.

1985

Strong winds associated with a storm and frontal boundary produced strong winds across the Colorado Foothills. Boulder, CO reported a gust to 76 mph while Stapleton Airport reported a gust of 52 mph. A dust storm produced by the strong winds caused a 35-car pileup on I-25 north of Denver. In Denver, the winds blew out windows in a few downtown buildings.

It was 98° at Riverside, CA their highest temperature recorded in March.

Mid afternoon thunder snow spawned a tornado at Albany, NY.

1987

A U.S. Air Force rocket being launched from Cape Canaveral, FL was lost just 48 seconds into flight after it was struck by lightning generated by the exhaust plume of the rocket. Lightning researchers regularly trigger lightning flashes by launching rockets when thunderstorms are present.

A cold front crossing the Plateau Region produced high winds in Utah causing property damage. Winds gusted to 51 mph at Salt Lake City.

1988

Many cities in the southwestern U.S. reported new record high temperatures for the date. Afternoon highs of 73° at Flagstaff, AZ, 90° at Sacramento, CA, 95° at Santa Maria, and Los Angeles, CA, 98° at Tucson, AZ, and 100° at Phoenix, AZ set records for March.

1989

Record warm temperatures occurred across the central U.S. Many cities reported record unseasonably warm readings, including Dodge City, KS with an afternoon high of 88°. Strong southerly winds gusted to 51 mph at Dodge City, and reached 55 mph at Salina, KS.

Thunderstorms that moved into south-central Kansas from northwest Oklahoma produced considerable lightning activity in Clark and Comanche counties. Many range fires were started when lightning struck the very dry grass in the region. Several cattle were lost in the fires along with some fences and corrals. An estimated 7,000 acres of land was burned in the two counties.

1990

Fair weather prevailed across the nation for the second day in a row. Freezing temperatures were reported in the Middle Atlantic Coast Region in the wake of an early spring snowstorm. Afternoon highs were again in the 70s and 80s in the southeastern U.S., and for the ninth day in a row, temperatures in the southwestern U.S. reached into the 90s.

1991

Severe thunderstorms across much of north-central and northwest Oklahoma produced a total of 5 tornadoes. Four of the tornadoes were weak, but the fifth was much stronger. That tornado traversed a 67 mile long path from just northeast of Nash, in Grant County, northeastward into southern Kansas.

High winds caused damage to homes across Kansas. Winds gusted over 80 mph in the southwestern part of the state and between 60 and 70 mph across the rest of the state. Roofs were torn off in the Dodge City and Garden City areas, and several cars and homes were damaged in the Fort Scott area. Total damage estimate from the high wind episode was \$1.5 million dollars.

1993

Strong winds from high based thunderstorms blew a roof off a business and into several parked cars at Englewood, CO. The winds also caused half of a furniture warehouse roof to collapse in North Denver, ripped a mechanical shed roof off in downtown Denver and downed power lines in Commerce City. Winds gusted as high as 68 mph. At Stapleton Airport, no thunder was heard; but a microburst wind gust to 55 mph briefly reduced the visibility to zero in blowing dust.

1997

Two crewmen were killed when a mudslide wiped out 164 feet of Canadian rails near Frasier Canyon British Columbia Canada causing an eastbound freight train to plunge from the tracks at Fraser Canyon, British Columbia Canada.

March 27th:

1890

An outbreak of tornadoes struck the Ohio Valley and the mid-Mississippi Valley. At least 24 significant tornadoes occurred during this outbreak. One of the twisters, an F4 struck Louisville, KY killing 78 people and causing \$4 million dollars damage. At least 55 people were killed when the Falls City Hall was struck, making it one of the highest death tolls on record in a single building from a tornado. There was also extensive damage in the suburb of Jeffersonville, IN. Overall, as many as 120 people perished.

1931

A blizzard struck western Kansas and adjoining states was called the "worst since January 1888". The low temperature of -3° recorded during the blizzard stands as the coldest recorded so late in the season.

1932

Just six days after Alabama's deadliest tornado outbreak, more severe storms broke out across the same area had hit before. A farm at Lawley, AL in Bibb County was struck by tornadoes on both days. The most powerful tornado of the day was an F3 that touched down about 2:30pm in Bibb County and roared into Chilton and Coosa Counties killing five people.

1946

Winnipeg, Manitoba Canada thawed out as the mercury soared to 74°, their warmest March temperature on record.

1950

A huge snowstorm finally came to an end after blasting the Northern Plains for three days. Dumont, SD reported 60 inches of snow setting the state record for a single storm.

1964

The most powerful earthquake ever recorded in North America struck about 5:36 p.m. on Good Friday at Anchorage, AK. Lasting nearly five minutes, it was the most powerful recorded earthquake in North American history and the third most powerful ever measured by seismograph. It had a moment magnitude of 9.2 and registered 8.4 on the Richter scale and was felt as far away as Houston, TX. A 30-block area of Anchorage, AK was destroyed by the quake and landslides. Two hundred miles to the southwest, some areas near Kodiak were permanently raised by 30 feet while east of Anchorage

the head of Turnagain Arm near Portage dropped 8 feet requiring reconstruction and fill to raise the Seward Highway above the new high tidemark. The earthquake generated a Pacific-wide tsunami. The devastating tsunami destroyed many coastal villages in Alaska. The peak wave height at Valdez Inlet was over 27 feet high destroying the village of Chenega, killing 23 of the 68 people who then lived there. 16 people were killed later that night on the coasts of Oregon and Northern California. As many as 131 people died in the disaster, many in tsunamis. Minor damage to boats reached as far south as Los Angeles. Since the entire Earth vibrated as a result of the quake, minor effects were felt worldwide: several fishing boats were sunk in Louisiana and water sloshed in wells in South Africa. Over 10,000 aftershocks occurred within 18 months following the main quake with 11 recording a magnitude of 6.0 or greater. The disaster led to the creation of the Alaskan Tsunami Warning Center.

1971

The temperature climbed to 100° at Wichita Falls, TX. This is a record for hitting the century mark so early in the season and the warmest day ever in March.

1977

A KLM 747 crashed into a Pan AM jumbo jet while taking off from the Airport at Tenerife, Spain. Several factors, including thick fog forming over the airfield led to the fiery disaster that killed 583 people, the worst commercial aviation accident in history.

1980

A major blizzard struck parts of the Rockies and Plains. Both I-70 and I-76 east of Denver was closed for a time. Some areas received 1 to 2 feet of snow with drifts 4 to 8 feet high. Many young livestock perished.

1984

A strong storm system traversing northern Texas pulled very hot air northeastward into southern Texas. Mid afternoon it was snowing and 34° in Amarillo (their high for the day of 42°F was earlier in the morning. Same time, same state, Brownsville reported sunny skies and a temperature of 106°, which broke not only the monthly record high temperature but their all-time record as well. Later that afternoon, Cotulla hit 108° equaling the U.S. record high temperature for March. Even Corpus Christi on the coast hit 101°.

1986

Miramar, FL was deluged with 10.37 inches of rain.

1987

The second blizzard in less than a week hit eastern Colorado and western Kansas. Snowfall totals ranged up to 24 inches at San Isabel, CO. Winds gusted 35 to 45 mph with gusts as high as 50 mph reported at Goodland, KS reducing visibilities frequently to near zero. The high winds piled snow into massive drifts, closing roads for days and killing thousands of cattle. Dodge City, KS reported 5 inches of snow with most of it in 5 to 6 foot drifts. Garden City, KS reported 12 to 14 inches of snow. Snow drifts 30 feet high were reported in northwest Kansas. The blizzard finally ended during the early afternoon on March 29th and had virtually shut down the entire Southwest part of Kansas.

Some north south roads were still closed on March 31st in the northern part of southwest Kansas.

Snow and wind closed many highways across eastern Colorado for the second time in less than a week. I-25 was closed south of Denver and I-70 east of Denver for nearly two days. Although Denver only received 4 inches of snow, winds gusted to 40 mph causing delays up to three hours at Stapleton Airport.

1988

Temperatures rose quickly, and dropped just as rapidly across the central U.S. Several cities reported record high temperatures for the date as readings soared into the 80s. In southeastern Colorado, the temperature at Lamar, CO reached 91°. Strong southerly winds gusted to 63 mph at Gage, OK. Strong northwesterly winds, gusting to 61 mph at Goodland, KS, then proceeded to usher much colder air into the area.

In southern California, Santa Ana winds brought 90-degree temperatures all over the region starting on March 25th ending on this date. Borrego Springs, CA soared to 101°, tying a record for March. This also occurred on 3/31/1989. This is also the earliest date in the season that the temperature hit the century mark.

1989

Afternoon and evening thunderstorms produced severe weather in the south central U.S. Two tornadoes were reported, with 77 reports of large hail and damaging winds. Baseball size hail was reported at Willow and Bartlesville, OK.

Many cities in the central and eastern U.S. reported new record high temperatures for the date, including Yankton, SD with a reading of 84°.

1990

Temperatures dipped into the teens and single digits in the northeastern U.S. Scranton, PA tied their record for the date with a morning low of 18°.

Record warm readings occurred in the northwest as temperatures warmed into the 60s and lower 70s. The high of 65° at Astoria, OR equaled their record for the date.

1991

Severe thunderstorms were widespread over the Tennessee and Ohio Valleys and the Great Lakes area with more than 300 reports of severe weather, including 28 tornadoes. Four F3 tornadoes struck the state of Michigan. Another F3 tornado injured 18 people and did \$12 million dollars in damage in the Nettle Lake area in Ohio. Softball sized hail fell at Portage, MI and a wind gust of 89 mph was recorded at Franklin, WI.

Cold air was drawn down on the backside of the storm. Snow began to fall over the northwestern counties in Iowa shortly after daybreak. Snow amounts were generally between 3 to 6 inches with the heaviest snow occurring in a 40 mile wide area extending from Sioux City northeastward. Thunder accompanied the snow, with 3 inches falling in one hour at the Sioux City Gateway Airport. Visibilities were reduced to near zero by strong northwest winds 25 to 45 mph.

Further south, powerful storms moved through southwest Kansas during the early morning hours bringing high winds and dust storms. The peak wind gust at both Dodge City and Garden City was 84 mph. The winds downed trees, shattered glass, downed fences, rolled trucks, snapped poles, ripped shingles from homes and mangled awnings. A main distribution feeder in the northern part of Garden City was destroyed. Visibilities in some areas dropped to zero. Total damage was \$1.5 million dollars

A strong winter storm produced heavy snow in the higher elevations of southern California. Accumulations included 36 inches at Lake Arrowhead, 27 inches at Big Bear Lake (the greatest daily amount on record) and 18.5 inches at Idyllwild. An avalanche isolated 100 people at Big Bear Lake by blocking Highway 18. Tornadoes hit Huntington Beach and rural San Marcos. The tornado in Huntington Beach cut a five-mile swath and blew off roofs of six homes. Dozens of other homes were damaged and 50 mobile homes were severely damaged. In 24 hours, 1.80 inches of rain fell in Escondido, 1.71 inches in Poway, 1.56 inches in Fallbrook, 1.55 inches in La Mesa, 1.52 inches in Ramona, 1.48 inches in El Cajon, and 1.09 inches in San Diego. Golf courses and shopping centers were flooded by the San Diego River in Mission Valley. Flooding damaged Highway 78 east of the San Diego Wild Animal Park.

1994

The Goshen Church Alabama Palm Sunday Tornado Outbreak occurred on this date. What began as a peaceful Palm Sunday quickly changed to a historic day in weather history when a powerful tornado ripped through southern Alabama and Georgia. By the time the storm was over 22 people were dead and 92 were injured. An F4 tornado cut a 50 mile path from Ragland in St. Clair, County Alabama to the Georgia line. The storm touched down near Ragland at 10:51 am. The storm struck Ohatchee, then roared across northeastern Calhoun County, passing near Piedmont and hitting Goshen in Cherokee County. It then struck the Spring Garden and Rock Run communities. The most disastrous damage occurred at Goshen, where the twister struck the Goshen United Methodist Church at 11:37am. 20 people were killed at the church, which did not hear the tornado warning issued 10 minutes earlier by the National Weather Service in Birmingham. A tornado watch had been issued at 9:30 am. Following the tornadoes, Vice President Al Gore pledged to extend NOAA Weatheradio coverage into the areas affected by the twisters, which had previously been unable to receive the alarm signals.

2000

Winds blowing across the Mongolian Desert in China created a major sandstorm that blew into the capital city of Beijing. The 48- minute sandstorm resulted in 16 deaths and 50 injuries.

2003

As residents across the Midwest watched news coverage of the war in Iraq just before midnight, a bright streak across the sky that turned midnight into daylight for several seconds made them think that the United States was under attack. Thousands of panicky calls were received at law enforcement agencies across the area after a meteor entered the Earth's atmosphere, breaking into about 500 smaller pieces. Sightings were made as far south as Nashville, TN and as far north as Michigan.

2006

A rare tornado touched down in the northern German city of Hamburg and overturned three construction cranes, killing two workers and injuring two others. The storm also ripped off roofs and overturned several cars. Power was cut to 80,000 homes.

A Sheila's Brush storm, a fierce spring snowstorm following St. Patrick's Day blew across St. John's Newfoundland Canada with winds gusting to 50 mph. The storm dumped 11 inches of snow, shutting down most of the provincial capital.

2007

A microburst hit the Fullerton Airport in southern California. Top recorded winds were only 30 mph, but spotters estimated winds of at least 45 mph. An aviation building lost its roof. Another thunderstorm wind gust knocked down a large Eucalyptus tree onto three cars in Encinitas, causing two injuries. A funnel cloud was spotted off the La Jolla coast.

2008

Ideal radiational cooling conditions: clear skies, light winds and dry air occurred as the temperature plunged to 12°, at Redmond, OR to set a daily record low.

March 28th:

1886

Denver, CO set their all-time March record low at -11°.

1902

Tennessee registered its record maximum 24 hour precipitation as 11.01 inches of rain fell at McMinnville.

1907

High pressure off the southeast coast pumped unseasonably warm air from the southeast to the Mid-Atlantic. Many cities reported record high temperatures for the date including: Richmond, VA: 91°, Charlotte, NC: 90°, Wilmington, NC: 90°, Savannah, GA: 89°, Norfolk, VA: 89° & Salisbury, MD: 89° and Asheville, NC: 86°.

1917

Thane Creek, AK reported a record snow cover of 190 inches or close to 16 feet.

1920

A major outbreak of tornadoes swept across Alabama and Georgia northward to Michigan. The worst tornado disaster on record occurred in Chicago, IL as a tornado killed 28 people and caused \$3 million dollars damage. Most of the losses were in the suburb of Melrose Park. The storm had formed near Joliet, IL. 50 people were killed in Alabama and Georgia. The town of West Point, GA was hardest hit. 20 people were killed and 300 were injured as an F4 tornado ripped through Will and Cook counties in Illinois. Total damage was \$2 million dollars.

One of northeast Indiana's deadliest tornadoes tore across northeast Wells County, northwest Adams County, and southeast Allen County killing 13 people as it smashed through the community of Townley. Edgerton, IN sustained heavy damage. Ten more people lost their lives in northwest Ohio as tornadoes proceeded along the same path into Lucas County. Another tornado swept from northeast Wayne County into southeast Randolph County, Indiana, killing 13, and then went on to near Lima killing 16 more people in Ohio. More tornadoes continued along this path hitting Van Wert, OH where five people lost their lives. One tornado moved from Baroda to Sodus, MI. Another went from south of Mishawaka to northwest of Elkhart, IN to near Union, MI. A small twister moved through Saint Joseph County Michigan and passed near Three Rivers. A large tornado produced F4 damage as it moved from Orland, IN to near East Gilead, MI and then southwest of Coldwater killing two people. Yet another tornado, possibly an F5, moved from West Liberty in Jay County Indiana to south of Van Wert, OH. It demolished farms east of Geneva and south of Ceylon, IN, killing 17 people.

1921

A cold front caused temperatures to plummet 20 degrees in 20 minutes in parts of New Jersey. Temperature drops as dramatic as 55 degrees in 18 hours were also observed.

1935

On this date through March 31st, a great dust storm descended on Amarillo, TX reducing visibility to zero for a six-hour period.

1942

A spring snowstorm hit the Mid-Atlantic States. Baltimore, MD reported a March record snowfall of 22 inches while Washington, D.C. checked in with 11.5 inches; also a March record.

1945

A record heat wave in East drove temperatures into the 80s across parts of the Mid-Atlantic into New York State. Record highs for the date included Baltimore, MD: 87°, Elizabeth City, NC: 87°, Washington, D.C.: 85°, Reading, PA: 85°, Allentown, PA: 85°, Albany, NY: 85°, Harrisburg, PA: 85°, Trenton, NJ: 84°, Syracuse, NY: 84°, Philadelphia, PA: 83°, Atlantic City, NY: 83° and Mt. Pocono, PA: 79°.

1955

Marianna, FL picked up one inch of snow for the latest measurable snow in Florida's history. Tallahassee picked up ½ inch and the ground was whitened at Panama City, FL.

1963

A decision was handed down in the case of Whitney Barbie vs. United States of America. Barbie sued the U.S. Weather Bureau for negligence in failing to provide warning about 1957's Hurricane Audrey. Barbie's wife and five children were killed after the 12 foot storm surge struck Cameron Parish, LA on the morning of June 27, 1957. It was ruled that the evidence presented did not establish negligence of the part of the Weather Bureau.

1980

Although the calendar said springtime, the snow just kept on coming. At least a foot of snow fell across portions of eastern Colorado, southwest Nebraska, northwest Kansas and southeastern Wyoming. Winds reached 40 mph and Valentine, NE received 13 inches of snow. North Platte, NE reported 15 inches.

1984

A violent outbreak of tornadoes hit the Carolinas. Thunderstorms spawned 22 tornadoes during the late afternoon and evening hours which killed 57 people and injured 1,248 others. Nearly half the deaths occurred in mobile homes. A tornado from near Tatum, SC to southern Cumberland County, NC was 2.5 miles in width at times. Damage totaled \$250 million dollars. This outbreak was the worst in the area in 60 years.

1986

Violent winds stripped fields of top soil in Southern Alberta Canada, reducing visibility. In Lethbridge, the winds toppled trees and blew out several windows in an office tower.

1987

The second blizzard in less than a week was in progress across the Central Plains leaving a band of 6 to 16 inches over eastern Nebraska and western Iowa. 7 inches of snow was reported at Sioux City, IA. Amounts were heavier to the south with 16 inches reported near Council Bluffs, IA. 16 inches of snow was recorded at Blue Hill, NE and up to 14 inches piled up at Omaha, NE. Winds of 30 to 50 miles an hour were common with a gust of 68 miles an hour reported at Carroll, IA. The winds reduced visibilities to zero for much of these two days. Snow drifts of 8 to 15 feet were common with some drifts as high as 20 feet. The heavy wet snow resulted in many downed trees and power lines. At one time, a utility company in west central Iowa reported 29,000 homes without electricity. The blizzard was also responsible for many school closures and some livestock losses. Many motorists were stranded on Interstate 80 and other highways due to the drifting snow. 12 to 18 inches of snow was common across northwestern Kansas. Winds gusting up to 70 mph whipped drifts 20 to 30 feet high in some places and produced dangerous wind chills as low as -30°.

1988

Severe thunderstorms in central Oklahoma produced grapefruit size hail in the southern part of Oklahoma City and softball sized hail in southern Oklahoma County during the late afternoon. The hail, along with winds gusting to 70 mph, destroyed 1,500 new cars at the General Motors plant. Several large aircraft were heavily damaged at Tinker Air Force Base. Baseball size hail and 7 inches of rain caused \$18 million dollars damage in Stephens County. Total damage was \$35 million dollars. Other severe thunderstorms produced three weak tornadoes and baseball size hail over other parts of central and southern Oklahoma. Hail damage in Stephens County exceeded \$18 million dollars.

1989

Unseasonably warm weather prevailed from the Southern and Central Plains to the Atlantic coast. Many cities reported new record high temperatures for the date. The afternoon high of 81° at Beckley, WV was a record for March, and the high of 90° in downtown Baltimore, MD tied their March record up to that time. Dulles Airport in northern Virginia set a record high of 86° and Wilmington, DE also set a record high of 83°.

1990

A storm system brought heavy snow to the west central and southern mountains of Wyoming, and high winds to the Wasatch Mountains of northern Utah. Snowfall totals in Wyoming ranged up to 10 inches at the Snowy Ski Range Area, and the storm pushed the snowfall total for the month at Cheyenne above 37 inches, surpassing their previous record for March of 35 inches.

1992

1.6 inches of snow fell on this date at Syracuse, NY, bringing the seasonal snowfall total to 162.8 inches. This was a new all-time seasonal snowfall record for the location. The old seasonal record was 162.0 inches set back in the winter of 1989-90.

1996

Williamsport, PA recorded 0.8 inches of snow on this day to bring its seasonal snowfall total to 83.9 inches: the city's snowiest winter ever.

1998

The coldest storm during this El Niño year started on this day and ended on March 29th in southern California. 1 to 3 feet of snow fell above 5,000 feet, 4 to 8 inches of snow fell above 3,000 feet. Ice pellets and hail accumulated to one inch deep in some coastal and foothill areas.

There was considerable damage to crops and serious traffic accidents resulted. A funnel cloud was observed in Dulzura. Strong storm winds in Orange County were sustained at 30 to 40 mph. Wind gusts reached 70 mph at Newport Beach and 60 mph at Huntington Beach. Gusts to 60 mph were common in the mountains. Trees were downed, power was out, and damage occurred across Orange and San Diego Counties. One person died in the town of Jamul.

2000

At least two tornadoes hit western Fort Worth near Dallas, TX during the early evening causing widespread damage, killing four people and injuring 48 others.

2001

Amid the first heavy general rains to hit the Eastern Punjab Province in Pakistan in nearly one year, a tornado struck the village of Chak Miran, killing four people, injuring dozens of others and destroying 100 homes.

A tornado estimated at F2 on the Fujita Scale hit Greymouth, New Zealand downing power lines, flattening several hundred trees and ripping roofs off more than a dozen homes.

March 29th:

1778

A great tide from a coastal storm overflowed Long Beach Island, NJ. The water drowned many cattle. The storm buffeted many ships at sea.

1848

Niagara Falls eased to a trickle during the late afternoon and then was "silent" for 30 hours. This is the only time in recorded history that both falls stopped flowing. An ice jam at the neck of Lake Erie and the Niagara River entrance between Fort Erie, Ontario Canada, and Buffalo, NY, was caused by wind, waves, and lake currents. Most noticeably absent was the roaring sound of the absent falls. People even ventured into the gorge, discovering relics like weapons from War of 1812.

1879

The highest temperature for the month of March was recorded as San Diego, CA soared to 99°.

1886

Atlanta, GA set a rainfall record with 7.36 inches in 24 hours.

1921

The beautiful early spring weather in Washington, D.C. came to an abrupt end as the temperature plummeted from 82° to 29° in just one day.

1935

A severe dust storm blanketed Amarillo, TX for 84 hours. During a six hour period the visibility was near zero.

1942

The "Palm Sunday Snowstorm" buried Baltimore, MD under 21.9 inches of snow in 24 hours. This was the heaviest 24 hour snowfall ever for the city for the month of March as well as the heaviest snow for so late in the season.

Washington, D.C. reported their greatest 24-hour March snowfall of 11.3 inches. Clear Spring, MD had 31 inches to set Maryland's state record for heaviest 24-hour snowfall. Snowfall totals varied considerably across the Washington, D.C. area. College Park, MD received 15 inches and Tacoma Park and Silver Spring, MD received just over 18 inches. Further north, Laurel, MD received 20.3 inches. An impressive 32 inches of snow fell at Westminster, MD. Up to 40 inches fell at State College, PA: their greatest storm total on record.

1945

A ridge of high pressure off the southeast coast continued to bring unseasonably warm weather to the Mid-Atlantic and northeast. Providence, RI and Baltimore, MD hit 90° to establish March records for both locations. Other record highs included: Philadelphia, PA: 87°, Atlantic City, NJ: 87°, Allentown, PA: 86°, Trenton, NJ: 86°, Wilmington, DE: 85° and Mt. Pocono, PA: 79°.

1967

A southwesterly Chinook wind gusted to 52 mph at Denver, CO. These winds pushed the temperature to 79° tying the daily record high.

1968

In the Netherlands, the hottest Dutch temperature in March was recorded as the thermometer soared to 78° in the towns of Gemert and Venlo.

1973

The largest official hailstone ever recorded in Florida measuring 3.5 inches across, fell in

Walton County.

1980

Heavy rains produced mudslides in Natchez, MS. The slides covered two buildings on Silver Street, killing three people and injuring four others.

1984

A strong nor'easter battered New England. The central pressure of the storm dropped to 963 millibars (equivalent to a Category 3 hurricane) over the Atlantic east of New Jersey. Winds gusted to 108 mph at Blue Hill Observatory in Milton, MA and to 97 mph at Martha's Vineyard. 8 to 16 inches of heavy wet snow fell in interior southern New England. Numerous thunderstorms also accompanied this spring blizzard. One thunderstorm produced a microburst at Southborough, MA which flattened about five acres of red pines; a most unusual occurrence for a nor'easter.

1987

Thunderstorms spawned tornadoes in Mississippi, and produced high winds and heavy rain in Louisiana. Thunderstorm winds gusted to 92 mph at Houma, LA, and caused a million dollars damage in Terrebonne Parish. Avondale, LA was deluged with 4.52 inches of rain.

1988

Severe thunderstorms in the Lower Mississippi Valley spawned a tornado which injured two people at Bunkie, LA, and produced high winds which down a large tree onto a trailer at Bastrop, LA claiming the life of one child and injuring another.

1989

A stalled line of thunderstorms produced heavy rains and flash flooding in northeastern Texas. More than 70 bridges were washed out or damaged beyond repair. 14.16 inches of rain fell at Longview, TX. More than 11 inches of rain at Henderson, TX causing a dam to give way, and people left stranded in trees had to be rescued by boat. Total damage in northeastern Texas was estimated between \$10 to \$16 million dollars.

1990

Thunderstorms developing ahead of a cold front produced severe weather in southeastern Texas and southern Louisiana. Thunderstorms spawned seven tornadoes, including one which injured seven people at Gray, LA. Thunderstorms also produced golf ball size hail and wind gusts to 70 mph at Port O'Conner, TX, and produced up to 6 inches of rain in Beauregard Parish, LA.

1991

An F1 tornado struck Munford, AL just before sunrise, destroying eight mobile homes. A family of four was killed when their trailer home sailed airborne. Overall five people lost their lives.

1992

A severe thunderstorm dumped 0.73 inches of rain in a little over an hour at the National Weather Service Office in San Antonio, TX. This brought their monthly rainfall to 6.11 inches and this set a new monthly record for rainfall in March. They would finish the month at 6.12 inches. The old record was 5.91 inches set back in 1921.

1993

Widespread severe weather across Oklahoma and western north Texas caused extensive damage on this date and the following day. In Oklahoma, baseball size hail, flash flooding, and high winds caused \$1 to 2 million dollars in damage in the town of Waurika. Several weak tornadoes also caused damage in Lincoln and McClain Counties. Over western north Texas, hail larger than baseballs fell at Sheppard Air Force Base in Wichita Falls, and baseball size hail fell in Crowell.

1996

2.9 inches of snow fell on this day at Newark, NJ bringing their seasonal snowfall to 77.7 inches. This broke the old seasonal snowfall record of 75.2 inches that had stood for 128 years.

1998

The eastern seaboard was in the midst of an early spring heat wave courtesy of a southwesterly flow from high pressure off the southeast coast. Temperatures reached the 70s to southern Maine and the 80s to southern New England. Dulles Airport in northern Virginia set a record high of 86°.

75% of the small town of Comfrey, MN was devastated by an F4 tornado that was 1.5 miles wide. St. Peter, MN was hit by an F3 tornado.

2003

A severe thunderstorm moved from Fredericksburg, VA to La Plata, MD between 5 and 7pm ET. Trees were downed in Fredericksburg and quarter sized hail fell near Stafford, VA. The storm strengthened rapidly as it pushed east across the Potomac River. In Charles County, MD, two tornado touchdowns were reported. Near La Plata, a weak F0 briefly touched down just west and again just east of town. Minor tree damage was reported.

2004

The high temperature at Bakersfield, CA hit 94°. This marked the 17th time this March the temperature reached or exceeded 80°, setting a new record.

2006

A late season winter storm brought impressive 24 to 48 hour snow totals to the southern Sierra Nevada and the Kern County Mountains in California. The town of Lodgepole received 34 inches, while 52 inches fell at Big Meadows and 55 inches at Kaiser Point. The town of Piute received 15 inches.

In Canada, most of southern Ontario from Windsor to North Bay and east to the Ottawa Valley lied under a pall of summer-style smog as warm temperatures with southwesterly winds prevailed.

2007

In Illinois, at Carbondale Community High School's first home track meet of the season, a lightning bolt killed an 18-year old.

March 30th:

1805

New York's City's Battery Park was strewn with 24 inch snow rollers, from a ferocious storm between the March 26th and March 28th. Snow rollers are natural snowballs that are formed when winds blow over a snow covered surface.

1823

A great Northeast storm with hurricane force winds raged from Pennsylvania to Maine. The storm was most severe over New Jersey with high tides, uprooted trees, and heavy snow inland. Nantucket, MA reported a barometer reading of 28.93 inHg. 24 inches of snow fell at Providence, RI and 18 inches at Boston, MA.

1890

On this date through March 31st, 20.4 inches of snow fell at St. Louis, MO. This is the greatest 24-hour snowfall total on record for this location.

1899

A storm which buried Ruby, CO under 141 inches of snow came to an end. Ruby was an old abandoned mining town on the Elk Mountain Range in the Crested Butte area.

1938

A tornado outbreak of 8 separate tornadoes around St. Louis, MO was responsible for 14 deaths and 121 injuries. The damage from these tornadoes ranged from F2 to F3. A large brick farmhouse east of Edwardsville, IL, was destroyed by a strong tornado. A farmhouse on the same site had been destroyed by another strong tornado on May 18, 1883, with a fatality.

1970

The day before, Easter was not very pleasant across northern New Jersey as up to 20 inches of snow and temperatures plunged from spring-like readings near 60° on March 26th to 2° on this date. Single digit and below zero readings occurred across parts of northern Pennsylvania.

1977

Unseasonably warm weather continued across the northeast and mid-Atlantic. Hartford, CT hit 87° to establish a record for the month of March. Binghamton, NY hit 95° while Baltimore-Washington International Airport reached 87°.

1982

An F1 tornado touched down in Armenia Township, Juneau County, WI where it destroyed a house and three nearby mobile homes. Two occupants of the house were injured. The tornado then moved northeast on a 22-mile intermittent path, just southeast of Nekoosa before lifting southwest of Stevens Point, WI.

High winds and wet snow struck most of South Dakota. Widespread winds gusted to 50 to 80 mph and up to 10 inches of snow accompanied the winds in the northwest. Power lines and at least 1,500 poles were snapped in the northwest after being coated with at least an inch of ice. Residents in north Garretson in Minnehaha County were evacuated when the high winds caused four connected locomotives to roll into and tip over a tank car, spilling phosphoric acid.

Further south, a high wind event plagued eastern Nebraska and all of Iowa. Norfolk, NE reported a wind gust to 71 mph, with 60 to 80 mph winds common across most of Iowa. The strong winds blew roofs and siding off buildings and knocked down traffic signals, lamp posts and stop signs. A Cessna Skyhawk airplane was flipped onto its back while the pilot was taxiing after landing at the Des Moines airport. The pilot was not injured. Two light aircraft parked at the Fort Dodge airport were damaged when one plane was blown loose from its moorings and landed on the other. A

semi tractor-trailer was flipped over on its side in Des Moines.

1986

An early spring heat wave continued across the upper Midwest, with record March temperatures ranging from Caledonia, MN: 86°, Mather, WI: 84°, Richland Center, WI: 84°, Sparta, WI: 84°, Decorah, IA: 84°, Cresco, IA: 83°, Theilman, WI: 83°, Preston, MN: 82° and Owen, WI: 78°.

1987

A storm spread heavy snow across the Ohio Valley and Lower Great Lakes Region. Cleveland, OH received 16 inches of snow in 24 hours, their 2nd highest total on record. Winds gusting to 50 mph created 8 to 12 foot waves on Lake Huron. The storm also ushered unseasonably cold air into the south central and southeastern U.S., with nearly 100 record low temperatures reported over the next 3 days.

1988

On this date through March 31st, an early spring winter storm developed in the Central Rockies. Snowfall totals in Utah ranged up to 15 inches at the Brian Head Ski Resort, and winds in Arizona gusted to 59 mph at Show Low.

In Colorado, Denver and Boulder reported 6 to 12 inches of snow with 12 to 18 inches reported in the foothills west of Denver. Flight delays of 2 to 3 hours were common at Stapleton International Airport

1989

Thunderstorms developing along and ahead of a slow moving cold front produced large hail and damaging winds at more than 50 locations across the southeast quarter of the nation, and spawned a tornado which injured 11 people at Northhampton, NC.

Several severe thunderstorms formed over southwest Kansas during the late afternoon hours and then moved into south central sections of the state. Hail up to golf ball size and strong winds to 60 mph were reported. Strong winds from a thunderstorm

blew a truck off highway 83, 14 miles north of Sublette.

1990

Low pressure produced heavy snow in central Maine and northern New Hampshire, with up to 8 inches reported in parts of Maine.

A slow moving Pacific storm system produced 18 to 36 inches of snow in the southwestern mountains of Colorado over three days. Heavier snowfall totals included 31 inches at Wolf Creek Pass and 27 inches at the Monarch Ski Area.

1991

Seventeen tornadoes occurred during the month in Oklahoma, setting an all time record. Oklahoma averages about four tornadoes during the month of March.

1997

Early morning tornadoes across southeastern Tennessee injured 26 people. Two people were killed hours earlier in Kentucky by tornadoes.

Advertisement

Easter Sunday across the Northeast was highlighted by spring-like weather with temperatures well into the 60s in many areas with sunny skies. The beautiful conditions did not presage the change that was ahead. In fact many people must have thought that the forecasts of heavy snow for the following day were an April Fools' Day joke. By the morning of April 1st, residents around Boston, MA realized the forecast was no joke as snow fell at a rate of 3 inches per hour.

1998

Record heat continued across much of the east courtesy of high pressure of the southeast coast. Record high temperatures set included: Dulles Airport, VA: 89° (tied for their highest March temperature), Baltimore, MD: 89°, Reading, PA: 88°, National Airport in D.C.: 87°, Charleston, WV: 87°, Allentown, PA: 87°, Atlantic City, NJ: 87°, Trenton, NJ: 87°, Harrisburg, PA: 87°, Salisbury, MD: 86°, Wilmington, DE: 86°, Philadelphia, PA: 86°, Huntington, WV: 85°, Parkersburg, WV: 84°, Scranton-Wilkes Barre, PA: 84°, Elkins, WV: 83°, Pittsburgh, PA: 82°, Binghamton, NY: 82°, Beckley, WV: 81° and Wallops Island, VA: 81°.

2000

On this date through March 31st, heavy snow fell across parts of the central Rockies. In Colorado, storm totals included: 16 inches atop Squaw Mountain, 15 inches near Rollinsville, 13 inches near Evergreen, a foot near Morrison, 11 inches at Coal Creek Canyon, 10 inches near Blackhawk and Eldorado Springs, 9 inches at Ken Caryl Ranch and Larkspur and 8 inches at Elizabeth. Just over 4 inches fell at Stapleton Airport in Denver.

2001

Four people were killed when a tornado touched down at Chak Miran, Pakistan.

2003

March went out like a lion in several eastern states as a snow storm reminded residents winter had one last blow. The heaviest snow fell in the eastern West Virginia Mountains, with 16.5 inches at Davis. Blacksburg, VA checked in with 11 inches with 12+ inches reported at Boone and West Jefferson, NC.

1 to 3 inches of snow occurred west of a line from Charlottesville, VA to Baltimore, MD.

1.54 inches of rain fell in Perth, Western Australia. This was the wettest March day here in 32 years and the fifth wettest March day on record. Their average March rainfall is 0.75 inches.

2005

A strong spring storm intensified over the central Rockies and moved out into the Plains. In Colorado, near blizzard conditions occurred east and southeast of Denver during the overnight as winds sustained winds up to 35 mph with gusts to 50 mph produced blowing snow and dropped visibilities at times to near zero. Considerable drifting of 2 to 4 feet was also reported. Snowfall totals included: 8 inches near Castle Rock, 7 inches near Sedalia and 6 inches near Parker. Denver only reported 0.3 inches with gusty winds.

Further north, the same storm system moved out into the Plains and triggered numerous small thunderstorms, including a few brief tornadoes from east of Mason City, IA through Mitchell County, Iowa to near the Minnesota-Iowa state line. This area was near the center of low pressure and nearby cold/warm fronts that served as a 'triple point' to focus severe weather development. Even though the storms were relatively small and weak, the ingredients were there to spawn brief tornadoes. Known touchdowns (local time) included: 6 miles west of Osage, IA at 2:04 pm, NW side of Stacyville, IA at 2:13 pm, and on the state line south of Adams, MN (Mower/Mitchell County) at 2:18 pm. All damage was rated F0. Damage was mainly to garages, a pole barn, and other miscellaneous older outbuildings. Wind damage also occurred in southeast Minnesota, east and northeast of Rochester, MN from wind speeds of 60-70 mph.

A line of severe thunderstorms swept through Illinois and Indiana. Poseyville in extreme southwestern Indiana had a wind gust of 69 mph.

2007

A major winter storm struck the northern Rockies before moving out over the Plains. Two to Three feet of snow fell across southern Big Horn and Sheridan counties in Wyoming with 3 feet reported at Sheridan, WY and up to 4 feet in the Big Horns. Widespread drifting and road closures resulted.

March 31st:

1843

Four feet of snow was still on the ground at Gardiner, ME following the snowiest March on record.

1890

St. Louis, MO was buried under 20 inches of snow in 24 hours, making this snowstorm their worst in history.

1892

A tornado moved north, hitting along the edge of Kiowa, KS. This tornado tore apart five homes, and destroyed the railroad depot on the edge of town. Downburst damage was extensive in town, making life miserable for the "boomers" that were waiting for the opening of the Cherokee Strip in Oklahoma.

A tornado killed nine people and injured 60 others in the town of Towanda KS, located about 20 miles northeast of Wichita.

1907

This month was quite warm in Oklahoma City, OK. Many daily records remain on the books, including three daily high temperature records and six daily records for the warmest low temperature. The hottest temperature ever recorded in March also occurred during this year: 97° and the warmest low temperature ever recorded in March: 68°. Overall, the month ranked as the second warmest March ever; with an average temperature of 59.5°, slightly more than nine degrees above normal.

1916

Yosemite Valley, CA hit 90°; their warmest for so early in the season.

1921

On the southern tip of the Iberian Peninsula, at Gibraltar 4.53 inches of rain fell in 24 hours.

1933

37 people were killed and 170 were injured as an F4 tornado moved through Jones, Jasper, Clarke

counties in Mississippi.

1942

107 inches of rain fell during the month at Puu Kukui at Maui, HI to set the U.S. record for rainfall in one month. The same place also holds the annual rainfall record for the United States with 578 inches in 1950.

1954

The temperature at Rio Grande City, TX hit 108°, which for 30 years was a U.S. record for the month of March.

1959

A round of severe storms caused damage across much of Oklahoma. In Noble and Pawnee Counties, tornadoes caused damage to farms, while in Shawnee, a golf ball sized hailstone knocked one person unconscious. Baseball size hail fell in Thackerville, with some stones as large as 11 to 12 inches in circumference. This created holes in roofs, windshields, and even produced craters in the ground.

1962

17 people were killed by a tornado at Milton, FL, making it Florida's worst tornado disaster. The F3 tornado ripped through the town killing 17 people and injuring 100 others. Damage was set at \$1.5 million dollars.

St. John's, Newfoundland Canada hit 65°; their warmest March day on record.

1966

Palm Springs, CA hit 104° and Palomar Mountain, CA hit 82°; both March high temperature records.

1971

A strong cold front moving through Colorado produced wind gusts to 92 mph in the South Hills area of Boulder and to 83 mph at the National Bureau of Standards in Boulder. Stapleton Airport in Denver reported a gust to 41 mph.

1973

Three F4 tornadoes swept across Georgia and South Carolina. The first storm cut a 33 mile path through Georgia, killing one person and causing \$75 million dollars at Conyers. The second tornado touched down near where the first twister dissipated and moved northeast for 35 miles. Heavy damage was reported at Athens with two fatalities. The two storms caused \$113 million dollars in total damage, the most expensive natural disaster in the history of Georgia. Seven people were killed by the third tornado, which touched down in South Carolina, including four people who were killed in a motel just east of Calhoun Falls, SC. The entire building was blown across a highway and strewn across a field.

1978

Austin, MN had their warmest March temperature ever when they hit 79°.

1981

South Bend, IN had their warmest March temperature ever when they hit 85°.

1982

The Sierra Nevada Mountains were in the midst of their longest continuous snowstorm. The storms would bring 15 1/2 feet of snow to the Sierras from March 27th through April 8th. Donner Pass in California was closed to rail traffic for eight days after the major snowstorm brought the winter's accumulation total to 796 inches, second only to the 819 inches that fell in the winter of 1931-1932. The avalanche danger reached an extreme. A massive avalanche buried the closed Alpine Ski Resort near Lake Tahoe, CA, trapping several employees and killing seven of them.

1985

Heavy snow fell as a late winter storm which brought several inches of wet heavy snow to parts of the upper Midwest. The heaviest accumulations of near 10 inches occurred in west central Iowa and more than six inches fell from Hawarden to Glenwood, northeast to Estherville and Waukon. In addition 10 inches of snow was common in northeast Nebraska and 10 inches also fell in Yankton, SD. Snowfall totals included: Jump River, WI: 11 inches, Lake City, MN 9 inches, Mondovi, WI: 8 inches, Decorah, IA: 7.5 inches, Rochester, MN: 7.4 inches, Austin, MN: 7 inches, Harmony, MN: 7 inches, Cresco, IA: 6 inches, Dorchester, IA: 6 inches, New Hampton, IA: 6 inches, Osage, IA: 6 inches, Caledonia, WI: 6 inches, Cashton, WI: 6 inches and Genoa, WI: 6 inches.

1986

Fort Wayne, IN recorded their warmest March temperature ever when the mercury soared to 81°. Jump River, WI soared to 79°; also a record high for the month of March.

1987

March went out like a lion in the northeastern U.S. A slow moving storm produced heavy snow in the Lower Great Lakes Region, and heavy rain in New England. Heavy rain and melting snow caused

catastrophic flooding along rivers and streams in Maine and New Hampshire. Strong southerly winds ahead of the storm gusted to 62 mph at New York City, and reached 87 mph at Milton, MA.

A waterspout moved onshore at Buxton, NC on Hatteras Island during the early morning hours. Seven people were hurt and damage was \$800,000 dollars.

1988

March went out like a lion in eastern Colorado. A winter storm produced 42 inches of snow at Lake Isabel, including 20 inches in six hours. Fort Collins reported 15 inches of snow in 24 hours. Albuquerque, NM received 14 inches of snow. Winds gusted to 80 mph at Centerville, UT.

1989

Afternoon thunderstorms produced severe weather from North Carolina to Pennsylvania. Thunderstorm winds gusted to 76 mph at Cape Henry, VA. While squalls blanketed northwest Pennsylvania with up to 9 inches of snow, thunderstorms in eastern Pennsylvania produced golf ball size hail at Avondale.

Borrego Springs, CA tied their March high temperature record as they hit 101°. This also occurred on 3/27/1988.

1990

The month of March went out just as it came in, like a lamb. Marquette MI, which started the month with a record high of 52°, and ended by equaling their record for the date with a reading of 62°.

1992

Las Vegas, NV recorded 4.80 inches of rain during the month which set two records: the wettest March ever breaking the old record of 1.83 inches set in 1973 and the wettest month ever breaking the old record of 3.39 inches set in September 1939. The normal yearly rainfall for the city is only 4.19 inches.

Seattle, WA closed out its first snowless winter ever (November through March).

1996

March ended another month of extreme dryness. The period from July 1995 through March 1996 was the driest period ever at many locations across western Kansas, with records dating back 120 years. The wheat crop was almost completely wiped out by the drought.

1998

Record heat prevailed across the northeastern U.S. Record high temperatures for the month of March were set at Boston, MA and Windsor Locks, CT: 89°, Portland, ME: 88°, New York City: 86°, Massena, NY: 85°; breaking their previous record by 18 degrees, St. Johnsbury, VT: 83° and Montpelier, VT: 80°. The state record high temperature for March for Vermont was set when Union Village hit 88°.

2002

Flooding in northern Tenerife in the Canary Islands killed eight people. At Santa Cruz in the northern part of the island an incredible 8.83 inches of rain fell in just three hours.

2003

St. John, New Brunswick Canada recorded 4.14 inches of rain in 30 hours ending on this date. The average March rainfall here is 4.41 inches.

2.44 inches of rain fell at Havana, Cuba in 12 hours. The average March rainfall here is 1.80 inches.

2004

Miles City, MT tied their March high temperature record as the mercury soared to 83° while Sheridan, WY broke their record with 80°.

2006

Lightning killed five rice farmers and injured five others while harvesting rice at Hung Thanh, Vietnam.

