1. Extreme cold winter in Siberia and Mongolia. Minimum temperatures dropped to near -60°C across central and southern Siberia resulting in hundreds of deaths. (2001)
2. Between February and April, heavy rainfall and flooding hit the southern African countries of Mozambique, Zimbabwe, Malawi and Zambia. (2001)
3. Typhoon Rusa hit Korea causing flooding and hundreds of deaths. It was reported as the worst national storm since 1959 and also led to a new national record of 24-hour rainfall with 870 mm. (2002)
4. Unprecedented extreme heat waves occurred across much of Europe during summer. This led to record-breaking temperatures, surpassing in some cases 40°C, and tens of thousands of related deaths. (2003)
5. Tropical Cyclone Gafilo hit Madagascar with winds up to 260 km/hour, causing hundreds of deaths. (2004)
7. For the first time in history a documented hurricane developed in the South Atlantic Ocean in March. Unofficially named Catarina, it made landfall along the southern coast of Brazil, causing great damage. (2004)
8. Warmest summer on record in central Canada. (2005)
9. Worst drought in 60 years in Brazil caused the lowest Amazon flow in 30 years. (2005)
10. The monsoon season brought unprecedented heavy rain and widespread massive flooding to parts of western and southern India, affecting more than 20 million people. (2005)
11. Most active Atlantic hurricane season on record. Hurricane Katrina hit the southern United States of America, killing more than 1300 people, and was considered as the deadliest hurricane to hit the country since 1928. (2005)
12. Typhoon Durian hit Philippines causing massive damages and more than 1000 deaths. (2006)
13. Long-term drought continued in the early part of the year over the Greater Horn of Africa. (2006)
14. Severe to extreme drought was present across large parts of western United States, as well as in the southern plains. Devastating fires caused massive destruction and millions of hectares burned. (2006–2007)
15. In July extreme rainfall triggered the worst flooding in 60 years over the United Kingdom. (2007)
16. Coldest winter in 50 years and unusual snowfalls in large parts of Canada. A record-breaking cold occurred in January. The extreme cold event extended as far west as the Great Lakes. (2007)
17. Massive flooding in Mexico in early November was the worst flood in the country’s history. (2007)
18. Summer heavy rainfall caused flooding and flash floods across the central United States. More than 1.5 million people were affected. (2007)
19. Tropical Cyclone Gonu formed in the north Indian Ocean, killing more than 1300 people, and was considered as the deadliest hurricane to hit the country since 1928. (2007)
20. A remarkably mild winter occurred over most parts of the United States of America. (2008)
21. Severe prolonged drought hit Argentina, Uruguay, Paraguay and southern Brazil, causing severe damage to agriculture, livestock and water resources. For large areas it was one of the driest years on record. (2008)
22. Several all-time winter snowfall records were set across Canada. (2008)
23. During the September–November period, heavy and extended rainfall affected Algeria and Morocco, causing great damage. (2008)
24. Most active Atlantic hurricane season on record. Hurricane Ike hit the southern United States of America, killing more than 1500 people, and was considered as the deadliest hurricane to hit the country since 1928. (2008)
25. An exceptional heatwave in late October/early November brought record-breaking temperatures of more than 40°C in large areas of central and southern United States, as well as in the southern plains. Devastating fires caused massive destruction and millions of hectares burned. (2008–2009)
26. Tropical Cyclone Nargis was the worst natural disaster in Myanmar’s history. It killed more than 70 000 people. (2008)
27. An exceptional heatwave in late October/early November brought record-breaking temperatures of more than 40°C in large areas of central and southern United States, as well as in the southern plains. Devastating fires caused massive destruction and millions of hectares burned. (2009)

Note: Definitions of extreme events vary. This map includes single and/or a succession of weather phenomena leading to abnormal, high-impact meteorological and/or climate conditions, such as heatwaves, severe storms, flooding and droughts.
Tropical cyclones/hurricanes/typhoons

Heatwaves/Extreme high temperatures

Cold waves/Extreme low temperatures/Snow storms

Intense storms/Flooding/Heavy rainfall

Severe or prolonged droughts

Note: Definitions of extreme events vary. This map includes single and/or a succession of weather phenomena leading to abnormal, high-impact meteorological and/or climate conditions, such as heatwaves, severe storms, flooding and droughts.

16. Coldest winter in 50 years and unusual snowfalls in large parts of southern South America. (2007)
17. Massive flooding in Mexico in early November was considered the worst weather-related disaster in the nation's history. (2007)
18. Summer heavy rainfall caused flooding and flash floods in several African countries. Thousands of homes were affected. (2007)
19. Tropical Cyclone Gonu formed in the north Indian Ocean, making landfall in Oman and then reaching the Islamic Republic of Iran. It was reported as the strongest cyclone on record in the Arabian Sea. (2007)
20. A remarkably mild winter occurred over most parts of Scandinavia. With monthly anomalies exceeding 7°C, large parts of Norway, Sweden and Finland had the warmest winter ever recorded since the beginning of measurements. (2008)
21. Extreme cold temperatures combined with the worst snowstorm in five decades across China during winter. (2008)
22. Severe prolonged drought hit Argentina, Uruguay, Paraguay and southern Brazil, causing severe damage to agriculture, livestock and water resources. In large areas it was one of the driest years on record. (2008)
23. Several all-time winter snowfall records were set across Canada. (2008)
24. During the September–November period, heavy and extended rainfall affected Algeria and Morocco, causing severe infrastructure damage. These were the worst floods in a century for Algeria. A similar meteorological situation was repeated one year later across the same region. (2008)
25. In southern Australia, dry conditions reinforced long-term drought. These conditions exacerbated water shortages in the agriculturally important Murray-Darling Basin, resulting in widespread crop failures. (2008–2009)
26. Tropical Cyclone Nargis was the worst natural disaster to hit Myanmar. It killed more than 70,000 people. (2008)
27. An exceptional heatwave in late October/early November in northern and central Argentina had record-breaking temperatures of more than 40°C in large areas. (2009)
28. Record heatwaves across Australia during January/February, August and November. Disastrous associated bushfires caused more than 170 fatalities. The highest temperature ever recorded so far south in the world was observed in Victoria with 48.8°C. (2009)
29. Extreme cold waves and record snowfalls were observed during winter 2009/2010 in Europe, and large parts of the United States. (2010)
30. Extreme heat and drought in July and August led to disastrous bushfires in the western part of the Russian Federation. (2010)
31. Pakistan experienced the worst floods in its history. More than 1,700 deaths were reported and more than 20 million people were affected. (2010)
32. Heavy rainfall in China contributed to floods and landslides, including a devastating mud-rockslide that killed more than 1,500 people in north-west China. (2010)
33. Extreme precipitation events occurred in West Africa, with the worst flooding in 50 years in Benin. (2010)
34. Flooding affected central and eastern Europe several times during the decade. Poland was most affected in 2001, while Germany, Romania, Austria, Czech Republic and Slovakia were affected in 2002, with thousands of people evacuated. More recently, in 2008, Germany was hit by a large number of thunderstorms with hail and tornadoes. In 2009, some countries suffered from floods similar to those observed in 2002. In 2010, flooding in the Danube river basin caused severe damage. (2001–2010)
35. Australia faced its worst flooding in about 50 years. Floods submerged or disrupted life across an area the size of France and Germany combined. 2010 was the third wettest year over Australia as a whole and the wettest for the state of Queensland. (2010)