



Global Catastrophe Recap

December 2015

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Executive Summary

- Powerful storm systems lead to violent tornadoes & historic flooding in the United States
- Relentless rainfall and windstorms lead to more than USD2.0 billion insurance bill in the UK
- El Niño-enhanced rainfall leads to major flooding across portions of South America

A complex weather pattern across the United States during the final 10 days of 2015 led to extensive damage as a result of violent tornadoes, historic flooding, record snowfall, hail, and damaging winds. At least 64 people were killed. Parts of the Midwest, Plains, Southeast, Rockies and Northeast were all impacted by the inclement weather, though the states of Missouri, Texas, Illinois, Arkansas, Oklahoma, Mississippi, Tennessee, Alabama, Kentucky and Indiana were among the hardest-hit. In total, at least 58 tornadoes touched down (including two rated EF4). Catastrophic tornado damage was noted just east of the Dallas, TX metro region. Relentless rainfall also led to historic flooding in the Mississippi Valley and Midwest that saw rivers cresting at or above historic heights previously set in 1993, 2008 and 2011. Additionally, the period was marked by record snowfall and ice that led to extensive travel disruption.

Preliminary estimates suggest that total economic losses in the United States during December will exceed USD4.0 billion. Insured losses are likely to approach or exceed USD2.0 billion, with the Insurance Council of Texas reporting losses in the Dallas metro area alone at USD1.2 billion.

Relentless rainfall from a series of North Atlantic storm systems led to extensive flooding across the United Kingdom and Ireland throughout the month. The arrival of windstorms Ted and Eckard – also known locally as Desmond and Frank – brought even more flood and wind damage. The hardest-hit areas included a large swath of southern Scotland, northern England, and Wales, where thousands of homes endured varying levels of flood inundation. Various published reports, including from the Association of British Insurers, indicated that preliminary insured losses in the UK were expected to exceed GBP1.5 billion (USD2.2 billion). Overall economic losses were expected to be even higher and approach GBP2.8 billion (USD4.0 billion).

Elsewhere, portions of Argentina, Paraguay, Uruguay and Brazil were inundated throughout December following prolonged periods of heavy rainfall that prompted the worst floods in at least 50 years. At least 16 people were killed. Tens of thousands of homes were damaged or destroyed in river flooding and landslides as El Niño-enhanced rainfall occurred. Preliminary overall economic losses were estimated to exceed USD200 million.

Typhoon Melor made multiple landfalls in the Philippines, killing at least 42 people and injuring 24 others. The storm brought torrential rainfall and gusty winds as it tracked through part of the archipelago at Category 4 intensity. Nearly 280,000 homes were damaged or destroyed. Philippines' National Disaster Risk Reduction and Management Center reported economic damages to agriculture and infrastructure alone at PHP6.5 billion (USD140 million).

A wildfire burned in Australia's state of Victoria and left serious damage on December 25, destroying at least 116 homes. The Lorne Fire destroyed 98 homes in Wye River and 18 at Separation Creek, which led to the Insurance Council of Australia declaring an insurance catastrophe. Preliminary insured losses were listed at AUD53 million (USD38 million). Total economic losses are expected to top USD100 million.

The Ethiopian National Risk Management Coordination Commission announced that it sought USD1.4 billion to deal with its worst drought in 30 years. At least 10 million people were affected.

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/07-12/11	Severe Weather	Pacific Northwest	2	Thousands	Millions+
12/16-12/18	Winter Weather	West, Rockies, Plains, Midwest	3	Thousands	Millions+
12/22-12/26	Severe Weather	Midwest, Southeast, Plains	18	Thousands	1.0+ billion
12/26-12/30	Severe Weather	Plains, Midwest, Southeast	46	Thousands	3.0+ billion

Portions of the United States Northwest were inundated by flooding and high winds from December 7-11 as an atmospheric river pattern brought a series of moisture-laden low pressure systems ashore. At least two people died as torrential rainfall prompted widespread damaging floods and landslides. Washington and Oregon states were worst affected.

A strong winter storm system tracked across much of the contiguous United States from December 12-16, leaving at least three people dead. The storm brought periods of heavy snow, rain, freezing rain and hurricane-force wind gusts to portions of the West, Rockies, Plains and Upper Midwest. The storm prompted widespread disruption to travel and transportation and power outages to 13,500 customers.

A powerful storm system spawned a widespread outbreak of severe weather across much of the Eastern U.S. from December 22-26, leading to at least 18 fatalities and more than 50 injuries. The event prompted dozens of tornado touchdowns (including one EF4), damaging winds gusting to 75 mph (120 kph), up to baseball-sized hail and flooding. The most substantial damage was incurred in parts of Mississippi, Tennessee, Arkansas, Alabama, Illinois, Kentucky and Indiana. Total economic losses were expected to top USD1.0 billion; while insured losses will reach well into the hundreds of millions USD.

A complex weather pattern led to a several powerful tornadoes, historic flooding, and heavy snow and ice across much of the central and eastern U.S. from December 26-30. At least 46 people were killed. The most substantial tornado damage occurred in the greater Dallas, TX metro region on December 26, where separate EF4 and EF3 tornadoes left major damage in Dallas, Ellis and Collin counties. The event was also marked by prodigious rainfall that led to extensive flooding throughout the Midwest and the Mississippi Valley. Portions of Missouri and Illinois were particularly impacted, though floods were also noted in Arkansas, Tennessee, Kentucky, Indiana, Texas and Oklahoma. Areas from the Rockies to the Northeast also incurred periods of heavy snow, freezing rain and ice. Total economic losses were expected to approach USD3.0 billion. Insured losses were expected to exceed USD1.5 billion, with the Insurance Council of Texas reporting USD1.2 billion alone.

Remainder of North America (Non-U.S.)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/27-12/30	Winter Weather	Canada	0	1,000+	Millions

A major storm system that originated in the United States tracked northward and brought wintry impacts across eastern Canada from the December 27-30. The wintry weather left considerable impacts across parts of Ontario and Quebec provinces, as well as Atlantic Canada. Heavy snow, sleet, freezing rain and gusty winds caused treacherous driving conditions. More than 300 automobile crashes were noted in Ontario, including at least 130 alone in the city of Toronto. Total economic losses were estimated in the millions (USD).

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/01-12/31	Flooding	Argentina, Paraguay, Uruguay, Brazil	16+	50,000+	200+ million

Portions of Argentina, Paraguay, Uruguay and Brazil were inundated throughout December following prolonged periods of heavy rainfall that prompted the worst floods in at least 50 years in some areas. At least 16 people were killed. Tens of thousands of homes were damaged or destroyed in river flooding and landslides as El Niño-enhanced rainfall occurred. Nearly 1 million people were either directly impacted or evacuated from their homes. Vast swathes of agricultural lands were submerged and infrastructure was washed away. Preliminary overall economic losses were estimated to exceed USD200 million.

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/04-12/06	WS Ted	United Kingdom, Ireland, Norway	3	30,500+	1.1+ billion
12/22-12/31	Flooding	United Kingdom	0	25,000+	2.5+ billion
12/30-12/31	WS Eckard	United Kingdom, Ireland	1	10,000+	350+ million

Windstorm Ted – known locally as Desmond – struck Ireland, the United Kingdom, and Norway at the start of the month prompting widespread, destructive flooding. Northwest portions of England were worst affected. At least three individuals died and dozens more had to be rescued as the floodwaters inundated 5,200 homes in England alone and prompted power outages to 60,000 customers. The Association of British Insurers cited more than 30,500 filed claims with expected payouts of GBP520 million (USD775 million). Total economic losses across Western Europe were estimated in excess of USD1.1 billion.

An active weather pattern brought persistent rounds of rainfall to the United Kingdom during much of December, which led to significant flooding in northern sections of Britain. The hardest-hit areas included a large swath of southern Scotland, northern England, and Wales, where thousands of homes endured varying levels of flood inundation. Vast areas of agricultural land and infrastructure were also damaged as the floods additionally led to widespread power outages. Total economic losses were expected to exceed GBP1.7 billion (USD2.5 billion). Various published reports, including from the Association of British Insurers, suggested that insured losses solely from the floods were likely to approach GBP850 million (USD1.25 billion).

Windstorm Eckard—known locally as Frank—struck the Iceland, the United Kingdom and Ireland during the last two days of 2015, bringing renewed flooding and high winds to the region. Northern Ireland, Scotland, Wales, and northern England were worst affected by Eckard in the UK as additional flood damage and power outages were incurred. In Iceland, hurricane-force wind gusts whipped southern and eastern portions of the island with serious damage to structures in the East Fjords region. Total combined economic losses were preliminarily estimated at USD350 million. Insured losses are expected to be roughly USD200 million.

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/19-12/17	Flooding	DR Congo	31	20,000+	Unknown
1/01-12/31	Drought	Ethiopia	N/A	N/A	1.4+ billion

Over a three-week period from late November into early December, torrential rainfall in Kinshasa, DR Congo, prompted floods that left at least 31 individuals dead and 20,000 families homeless. The worst affected areas of the city were near the Ndjili and Matete Rivers.

The Ethiopian National Risk Management Coordination Commission announced this month that it sought USD1.4 billion to deal with the current drought in the country that had affected more than 10 million people. The United Nations called it the worst drought to affect the country in 30 years.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/29-12/03	Landslides	Indonesia	20	550+	Unknown
12/04-12/05	Flooding	China	0	Hundreds	90+ million
12/14-12/17	TY Melor	Philippines	42	279,487+	140+ million
12/25	Earthquake	Pakistan, Afghanistan	2	2,000+	Unknown

From mid-November through early December, the Indonesian island of Sumatra endured localized flash floods and landslides. At least 20 individuals died as a result. One of the largest landslides occurred in Bengkulu Province on December 3. Eighteen fatalities were reported and 21 homes were buried. Another slide in North Sumatra claimed two lives and injured nine others on December 1. Twenty-two homes were destroyed and a further 35 were damaged. On November 29, flooding of the Batang Manggilang River prompted damages to at least 500 homes.

China's Ministry of Civil Affairs reported significant crop losses due to flooding in Jiangxi Province on December 4 and 5. Approximately 27,200 hectares (67,215 acres) of crops were reportedly affected and some 800 hectares (1,975 acres) were destroyed. Economic losses were estimated at CNY580 million (USD90 million).

Typhoon Melor made multiple landfalls in the Philippines on December 14 and 15, killing at least 42 people and injuring 24 others. The storm brought torrential rainfall and gusty winds as it tracked through part of the archipelago at Category 4 intensity. Nearly 280,000 homes were damaged or destroyed. Philippines' National Disaster Risk Reduction and Management Center reported economic damages to agriculture and infrastructure at PHP6.5 billion (USD140 million).

A magnitude-6.3 earthquake struck northeastern Afghanistan on December 25 at 11:45 PM AFT local time (19:15 UTC). The temblor struck approximately 41 kilometers (25 miles) west-southwest of Ashkasham. Reports indicated that there were no fatalities in Afghanistan but 27 people were injured. Hundreds of homes were damaged in North East and Eastern regions, which were still reeling from a major earthquake in October 2015. In Pakistan, two fatalities were reported as some 60 others sustained injuries. Homes were damaged in Khyber Pakhtunkhwa province.

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/16	Severe Weather	Australia	0	2,600+	25+ million
12/25	Wildfire	Australia	0	Hundreds	100+ million

A supercell thunderstorm struck southeastern suburbs of Sydney, New South Wales, on December 16 that prompted damaging straight-line winds, large hail, torrential rain, and at least one tornado touchdown. The storm left a swath of damage in its wake that led to the Insurance Council of Australia to declare an insurance catastrophe. As of this writing, 2,600 claims had been filed totaling AUD14 million (USD9.8 million). Economic losses were even higher.

A wildfire burned in Australia's state of Victoria and left serious damage on December 25, destroying at least 116 homes. The Lorne Fire, which was first ignited on December 19 following a lightning strike in a forested area, combined with gusty winds and temperatures at 36.1°C (97.0°F) to quickly spread and destroy 98 homes in Wye River and 18 at Separation Creek. The Insurance Council of Australia declared an insurance catastrophe, with preliminary insured losses listed at AUD53 million (USD38 million). Total economic losses are expected to top USD100 million.

Appendix

Updated 2015 Data: January-November

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/01-9/30	Drought	Western U.S.	0	Unknown	4.5+ billion
1/06-1/11	Winter Weather	Midwest, Northeast, Mid-Atlantic	15	Hundreds+	100+ million
1/26-1/28	Winter Weather	Northeast, Mid-Atlantic	2	5,000+	500+ million
1/31-2/04	Winter Weather	Midwest, Northeast, Southwest	22	10,000+	150+ million
2/06-2/08	Flooding	Northwest, Southwest	1	Hundreds	Millions+
2/07-2/11	Winter Weather	Northeast	2	25,000+	400+ million
2/13-2/15	Winter Weather	Midwest, Northeast, Mid-Atlantic	30	45,000+	650+ million
2/16-2/17	Winter Weather	Southeast	10	10,000+	100+ million
2/16-2/22	Winter Weather	Plains, Ohio Valley, Mid-Atlantic	8	215,000+	3.25+ billion
2/25-2/26	Winter Weather	Southeast, Mid-Atlantic	2	Thousands	Millions+
3/01-3/06	Winter Weather	Central & Eastern U.S.	13	10,000+	175+ million
3/25-3/26	Severe Weather	Plains, Midwest, Southeast	1	35,000+	500+ million
3/31-4/01	Severe Weather	Plains, Midwest, Southeast	0	20,000+	175+ million
4/02-4/03	Severe Weather	Plains, Midwest, Southeast	0	25,000+	250+ million
4/07-4/10	Severe Weather	Plains, Midwest, Mississippi Valley	3	160,000+	1.65+ billion
4/16-4/17	Severe Weather	Plains	1	Thousands	100s of Millions
4/18-4/21	Severe Weather	Plains, Southeast, Northeast	0	135,000+	1.4+ billion
4/24-4/28	Severe Weather	Plains, Southeast	4	115,000+	950+ million
5/03-5/05	Severe Weather	Plains, Midwest	1	15,000+	175+ million
5/06-5/13	Severe Weather	Plains, Midwest, Rockies	6	90,000+	1.0+ billion
5/10	TS Ana	South Carolina	0	Hundreds	Millions
5/15-5/19	Severe Weather	Plains, Midwest, Rockies	2	15,000+	150+ million
5/23-5/28	Severe Weather	Plains, Midwest, Rockies, Southeast	32	150,000+	3.75+ billion
5/28-5/30	Severe Weather	Plains, Midwest, Rockies, Southeast	0	20,000+	170+ million
6/03-6/08	Severe Weather	Rockies, Plains	0	60,000+	600+ million
6/09-6/11	Severe Weather	Great Lakes	0	10,000+	100+ million
6/16-6/18	TS Bill	Texas, Oklahoma	1	10,000+	100+ million
6/19-6/26	Severe Weather	Rockies, Plains, Midwest, Mid-Atlantic	4	110,000+	1.3+ billion
6/28-6/30	Wildfires	Northwest	0	100+	150+ million
6/29-7/01	Severe Weather	Midwest, Northeast, Southeast	0	Thousands	Millions+
7/12-7/14	Severe Weather	Midwest, Ohio Valley, Southeast	4	65,000+	600+ million
7/16-7/18	Severe Weather	Plains, Midwest	4	7,500+	75+ million
7/20-8/05	Flooding	Florida	0	2,000+	100+ million
7/29-8/13	Wildfires	California	1	150+	Millions
8/02-8/04	Severe Weather	Midwest, Plains, Northeast, Mid-Atlantic	4	100,000+	750+ million
8/13-8/31	Wildfires	Northwest, Rockies	4	Thousands	150+ million
8/29-8/30	Severe Weather	Pacific Northwest	2	1,000+	Millions+

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
9/09-10/30	Wildfires	California	7	10,000+	2.0+ billion
9/13-9/15	Flooding	Southwest	19	Thousands	Millions
9/24-9/28	Flooding	Northeast, Mid-Atlantic, Southeast	1	Thousands	Millions
10/01-10/11	Flooding	Southeast, Mid-Atlantic	21	70,000+	2.0+ billion
10/03-10/04	Severe Weather	New Mexico	0	10,000+	90+ million
10/05-10/07	Severe Weather	Texas	0	10,000+	80+ million
10/15-10/16	Flooding	California	1	Hundreds	Millions
10/20-10/23	Severe Weather	New Mexico, Texas	0	20,000+	250+ million
10/24-10/26	Flooding	Texas, Southeast	0	17,500+	250+ million
10/29-11/03	Severe Weather	Texas, Southeast	6	25,000+	400+ million
11/10-11/12	Severe Weather	Midwest, Southeast	0	Thousands	Millions
11/16-11/18	Severe Weather	Plains, Southeast	0	Thousands	Millions
11/16-11/18	Severe Weather	Pacific Northwest	3	30,000+	500+ million
11/20-11/22	Winter Weather	Plains, Midwest, Rockies	0	Hundreds	Millions
11/25-11/29	Winter Weather	Plains, Midwest, Rockies	18	Thousands	100+ million

Remainder of North America (Non-U.S.)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/01-12/31	Drought	Canada	0	Unknown	1.0+ billion
2/20-2/21	Flooding	Dominican Republic	2	4,190+	Unknown
3/26-3/28	Severe Weather	Mexico	14	1,000+	Millions
4/04-4/05	Flooding	Haiti	6	8,832+	Unknown
5/26	Severe Weather	Mexico	14	1,000+	Unknown
6/01-7/31	Drought	El Salvador	0	Unknown	100 million
6/08	HU Blanca	Mexico	0	Hundreds	Thousands
6/12	Severe Weather	Canada	0	5,000+	75+ million
6/22	Severe Weather	Canada	0	5,000+	40+ million
6/27-7/09	Flooding	Costa Rica	0	3,308+	Unknown
7/01-7/10	Wildfire	Canada	1	Hundreds	Unknown
7/21-7/22	Severe Weather	Canada	0	25,000+	375+ million
8/04-8/05	Severe Weather	Canada	0	17,700+	150+ million
8/13-8/21	Wildfires	Canada	0	Hundreds	193+ million
8/27-8/30	TS Erika	Caribbean Islands	36	5,000+	300+ million
8/29-8/30	Severe Weather	Canada	0	2,100+	50+ million
9/22-9/28	Flooding	Central America, Caribbean	5	1,700+	Millions
10/01	Landslide	Guatemala	304	125	Unknown
10/01-10/04	MHU Joaquin	Bahamas, Bermuda	35	Thousands	100+ million
10/11-10/12	Severe Weather	Canada	0	Thousands	Millions
10/22-10/25	MHU Patricia	Mexico	14	5,000+	410+ million
11/16-11/17	Severe Weather	Canada	0	Hundreds	Millions

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/01-1/31	Drought	Brazil	0	Unknown	Unknown
1/15-1/31	Flooding	Bolivia, Peru	16	10,780+	Unknown
2/15	Flooding	Argentina	8	1,500	17.2 million
3/01-3/06	Flooding	Argentina, Bolivia, Brazil, Ecuador, Peru	47	30,000+	Millions+
3/20-4/05	Severe Weather	Colombia, Ecuador, Peru	23	802+	Unknown
3/25-4/08	Flooding	Chile	25	14,000+	1.5+ billion
4/20	Severe Weather	Brazil	2	2,188+	2.0+ million
4/22-4/23	Volcano	Chile	0	Thousands	600+ million
4/27	Landslide	Brazil	15	Hundreds	Unknown
5/17	Flooding	Colombia	83	Hundreds	Unknown
8/06-8/10	Flooding	Argentina, Chile	9	Thousands	Unknown
9/16	Earthquake	Chile	14+	10,000+	1.0+ billion
10/08-10/20	Flooding	Brazil	3	40,700+	Millions

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/09-1/16	EU Windstorms	Northern/Central/Western Europe	2	Thousands	650+ million
1/29-2/01	Winter Weather	Western/Northern Europe	12	Hundreds	Millions+
1/30-2/02	Flooding	Balkans, Turkey	13	2,170+	13+ million
2/03-2/08	Winter Weather	Spain, France, Italy, Slovenia, Croatia	7	Thousands	Millions+
3/04-3/07	Winter Weather	Italy, Balkans	7	Thousands	Millions+
3/29-4/01	WS Mike & Niklas	Western & Central Europe	9	10,000+	1.0+ billion
4/12-4/13	Wildfire	Russia	33	1,476+	140+ million
5/05-5/06	Severe Weather	Germany, Belgium	1	Thousands	10s of millions
6/01-8/31	Drought	Romania, Poland, Czech Republic	0	100,000+	2.7+ billion
6/27-7/01	Heatwave	Western Europe	0	Unknown	Unknown
7/24-7/25	Severe Weather	Netherlands, Germany, Poland, Slovakia	3	Thousands	25+ million
8/01-8/14	Heatwave/Wildfires	Central & Southern Europe, Middle East	109+	Unknown	9.0+ million
9/05	Severe Weather	Italy	0	Thousands	Millions
9/07	Flooding	Spain	4	1,000+	Millions
10/03-10/04	Flooding	France	19	60,000+	1.0+ billion
10/14-10/16	Flooding	Italy, Balkans	5	Hundreds	10s of Millions
11/01-11/03	Flooding	Portugal, Spain, Italy	7	Hundreds	Millions
11/17	WS Heini	UK, Western Europe	0	Thousands	225+ million
11/29-11/30	WS Nils	Ireland, U.K., Denmark, Sweden	0	Thousands	10s of Millions

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/01-1/31	Flooding	Malawi, Mozambique, Zimbabwe	307	550,000+	550+ million
1/02-1/04	Severe Weather	Malawi, Zimbabwe	15	Hundreds	Unknown
1/16-1/18	TS Chedza	Madagascar	89	5,000+	36 million
2/07-2/08	TS Fundi	Madagascar	6	8,091	10+ million
2/13-2/14	Flooding	Angola	5	2,862+	Unknown
2/27-3/01	Flooding	Madagascar	24	642	Unknown
3/04	Flooding	Tanzania	47	634	Unknown
3/09-3/12	Flooding	Angola	69	2,500+	Unknown
3/28-3/29	Flooding	Burundi, Angola, Congo	24	500+	Unknown
4/04-4/10	Flooding	Kenya	13	Hundreds	Unknown
4/28	Flooding	Kenya	16	300+	Unknown
6/01-6/21	Flooding	Côte d'Ivoire	16	Unknown	Unknown
6/01-8/31	Drought	Botswana	0	Unknown	44+ million
8/08-8/09	Severe Weather	Sudan	20	Unknown	Unknown
8/13-8/15	Heatwave	Sudan	16	Unknown	Unknown
8/14	Flooding	Niger	4	2,170+	Unknown
7/15-9/10	Flooding	Burkina Faso	8	15,000+	31+ million
9/05-9/24	Flooding	Nigeria	53	53,000+	25+ million
10/16-10/25	Flooding	Algeria	0	Thousands	Unknown
7/01-11/30	Drought	South Africa	0	Unknown	2.0+ billion
11/16	Severe Weather	South Africa	0	20,000+	75+ million

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/01-12/31	Wildfires	Indonesia	19	Unknown	16.1+ billion
1/01-12/31	Drought	China	0	Unknown	1.8+ billion
1/01-4/30	Drought	Thailand	0	Unknown	428+ million
1/01-1/23	Flooding	Indonesia	8	13,050+	6+ million
1/06-1/10	Winter Weather	Egypt, Israel, Jordan, Lebanon, Syria	9	Unknown	100+ million
1/09-1/12	Winter Weather	China	1	5,300+	226+ million
1/10-1/14	Earthquakes	China	0	17,500+	16+ million
1/14-1/20	Flooding	Malaysia	1	Thousands	Unknown
1/17-1/18	TY Mekkhala	Philippines	2	538+	1.0+ million
1/19	Severe Weather	Oman	0	5,000+	221+ million
1/23-1/25	Flooding	Indonesia	1	2,750+	Unknown
1/28-1/31	Winter Weather	China	0	1,000+	28+ million
1/31	Severe Weather	China	0	Unknown	80+ million
1/31-2/2	Flooding	Indonesia	2	5,050+	Unknown
2/08-2/13	Flooding	Indonesia	6	Thousands	235+ million
2/15-2/28	Winter Weather	Afghanistan, India	230	6,013	Unknown
2/22	Earthquake	China	0	3,000+	15+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
2/24-3/3	Flooding	Pakistan	32	Unknown	Unknown
3/01	Earthquake	China	0	16,300+	19+ million
3/07-3/08	Winter Weather	Afghanistan, Pakistan	26	150+	Unknown
3/11-3/15	Severe Weather	India, Iran	20	1,140+	Unknown
3/14	Earthquake	China	2	11,234+	Millions+
3/16	Flooding	Indonesia	0	1,600+	Unknown
3/23-3/27	Flooding	Saudi Arabia	11	1,000+	Millions+
3/24-3/25	Severe Weather	China	0	1,000+	275+ million
3/25-4/5	STY Maysak	Micronesia, Philippines	9	2,000+	8+ million
3/28	Flooding	Indonesia	12	Unknown	Unknown
3/29-3/31	Winter Weather	China	0	1,000+	108+ million
3/29-3/31	Flooding	India	17	Thousands	38+ million
3/30	Earthquake	China	0	6,260+	20+ million
3/30-4/04	Severe Weather	China	6	19,300+	209 million
4/01-4/03	Severe Weather	India, Pakistan, Tajikistan, Afghanistan	33	1,000+	Millions
4/04-4/05	Severe Weather	China	7	14,500+	20+ million
4/04-4/05	Severe Weather	Bangladesh, India, Myanmar	40	46,033+	4.3+ million
4/06-4/09	Severe Weather	China	1	5,000+	130+ million
4/08-4/12	Flooding	Kazakhstan	2	1,760+	5.3+ million
4/11-4/13	Winter Weather	China	0	Unknown	174+ million
4/19-4/21	Severe Weather	China	0	2,000+	350+ million
4/21	Severe Weather	India	42	25,000+	158+ million
4/25 & 5/12	Earthquake	Nepal, India, Bangladesh, China	9,120	850,000+	8+ billion
4/27	Landslide	Afghanistan	52	100	Unknown
4/27-4/28	Severe Weather	Pakistan	49	Hundreds	Unknown
4/27-4/29	Severe Weather	China	2	36,500	485+ million
5/02-5/03	Severe Weather	Bangladesh	13	Unknown	Unknown
5/07-5/12	Severe Weather	China	4	26,600+	461+ million
5/10-5/12	STY Noul	Micronesia, Philippines, Japan	2	Unknown	24+ million
5/12	Flooding	China	0	2,000+	290+ million
5/13-5/17	Flooding	China	20	20,000+	254+ million
5/15	Severe Weather	Armenia	0	Hundreds+	10+ million
5/18-5/22	Flooding	China	48	87,000+	1.15+ billion
5/21-5/28	Heatwave	India	2,500+	Unknown	Unknown
5/23-5/27	Flooding	China, Taiwan, Hong Kong	7	2,500+	282+ million
5/28-6/01	Flooding	China	16	20,000+	500+ million
5/29-6/01	Severe Weather	China	0	10,000+	325+ million
6/01-6/04	Flooding	China	9	20,000+	625+ million
6/02-6/29	Volcano	Indonesia	0	Unknown	61+ million
6/05	Earthquake	Malaysia	19	Dozens	Thousands
6/06-6/11	Flooding	India, Nepal	21	1,000+	Unknown
6/07-6/11	Flooding	China	16	20,000+	2.0+ billion
6/12	CY Ashobaa	Oman	0	Dozens	Thousands
6/18-6/24	Heatwave	Pakistan	1,265+	Unknown	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
6/19-6/25	Flooding	India	41	Thousands	100+ million
6/20-6/24	Flooding	China	9	8,700+	187+ million
6/21-6/23	Severe Weather	China	0	Hundreds	145+ million
6/22-6/24	TS Kujira	China, Vietnam	7	223+	11+ million
6/23-6/30	Flooding	Bangladesh, Myanmar, India	63	Thousands	Unknown
6/25-6/29	Flooding	China	0	6,200+	58+ million
6/26-7/02	Flooding	China	16	50,000+	645+ million
7/01-7/05	Flooding	China	6	23,300+	345+ million
7/03	Earthquake	China	4	12,000+	3.2+ million
7/03-7/07	Severe Weather	China	1	2,000+	169+ million
7/04-7/13	TY Chan-hom	China, Guam, Japan, Taiwan, Korea	0	4,700+	1.6+ billion
7/04-7/10	TY Linfa	Philippines, China	5	493+	214+ million
7/07-7/13	Flooding	India, Pakistan	35	Thousands	Unknown
7/08-7/13	Flooding	Philippines	16	10+	Unknown
7/13-7/14	Severe Weather	China	1	600+	85+ million
7/13-7/14	Flooding	China	3	8,500+	71+ million
7/16	STY Nangka	Japan	2	288+	200+ million
7/17-7/25	Flooding	Pakistan	18	Thousands	Unknown
7/17-8/11	Heatwave	Japan	59	Unknown	Unknown
7/20-7/24	Flooding	China	28	42,900+	1.2+ billion
7/22-7/27	Flooding	Pakistan, Myanmar, Afghanistan, Bangladesh	162	39,000+	25+ million
7/24-8/06	Flooding	Vietnam	42	2,028+	204+ million
7/25-8/07	Flooding	Myanmar	121	50,000+	109+ million
7/26-8/06	Flooding	India, Pakistan, Bangladesh	303	350,000+	500+ million
8/01-8/05	Flooding	North Korea	21	968+	Unknown
8/01-8/07	Flooding	Nepal	90	1,000+	Unknown
8/01-8/15	Flooding	Laos	0	2,200+	10+ million
8/02-8/04	Flooding	China	15	15,000+	418+ million
8/02-8/08	STY Soudelor	China, Taiwan, Saipan	41	150,000+	3.2+ billion
8/07-8/12	Severe Weather	China	1	1,000+	59+ million
8/15-8/26	TY Goni	Japan, Philippines, Korea Peninsula	70	20,000+	900+ million
8/16-8/19	Flooding	China	23	25,800+	220+ million
8/19-8/26	Severe Weather	China	1	10,000+	281+ million
8/28-9/01	Flooding	India, Myanmar	47	50,000+	100+ million
9/06	Severe Weather	India	32	Unknown	Unknown
9/08-9/10	Sandstorm	Middle East	12	Thousands	Unknown
9/08-9/10	Flooding	Japan	8	25,000+	500+ million
9/15-9/23	Flooding	China	14	4,000+	473+ million
9/25	Earthquake	Indonesia	0	2,500	Unknown
9/25-9/28	TY Djuan	Taiwan, China, Japan, Philippines	3	Thousands	687+ million
9/30-10/1	Winter Weather	China	1	Unknown	177 million
10/02-10/04	TY Mujigae	China, Philippines	22	26,800	4.2+ billion
10/06-10/11	Severe Weather	China	14	5,200	43 million
10/08-10/12	Flooding	Myanmar	39	Hundreds	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/18-10/22	STY Koppu	Philippines	62	150,000+	306+ million
10/26	Earthquake	Afghanistan, Pakistan	403+	95,000+	100+ million
10/28-10/30	Flooding	Iran, Iraq, Saudi Arabia	70	Unknown	Millions
11/03-11/04	CY Chapala	Yemen	8	Thousands	100s of Millions
11/08-11/09	CY Megh	Yemen, Somalia	18	3,000+	Unknown
11/09-12/08	Flooding	India, Sri Lanka	386+	100,000+	4.0+ billion
11/10-11/16	Flooding	China	0	Thousands	133+ million
11/13	Landslide	China	38	48	Unknown
11/17	Earthquake	Kyrgyzstan	0	4,371	Unknown
11/17	Flooding	Saudi Arabia	12	Hundreds	Unknown
11/22-11/25	Winter Weather	China	4	1,000	268+ million

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/02-1/08	Wildfires	Australia	0	996+	50+ million
2/20	Cyclone Lam	Australia	0	Hundreds	78+ million
2/20	Cyclone Marcia	Australia	0	36,483+	650+ million
3/11-3/15	CY Pam	Vanuatu, South Pacific Islands	16	30,000+	443 million
3/13-3/15	CY Olwyn	Australia (WA)	0	500+	76+ million
3/20-3/24	CY Nathan	Australia (QLD, NT)	0	Hundreds	Millions
4/19-4/22	Severe Weather	Australia (NSW)	4	119,935+	925+ million
4/25	Severe Weather	Australia (NSW)	0	14,239+	500+ million
4/30-5/03	Flooding	Australia (QLD, NSW)	6	27,825+	400+ million
5/14-5/15	Flooding	New Zealand	1	Thousands	100+ million
5/14	STY Dolphin	Northern Mariana Islands	0	Hundreds	Unknown
6/20	Flooding	New Zealand	0	2,839+	171+ million
6/30-7/05	CY Raquel	Solomon Islands	1	150+	Millions
8/25-8/26	Severe Weather	Australia (NSW)	0	1,600+	Millions
7/1-10/31	Drought	Papua New Guinea	0	Unknown	60+ million
10/27-10/28	Severe Weather	Australia (QLD)	0	Hundreds	Millions
11/25-11/27	Wildfires	Australia (South Australia)	2	1,861+	200+ million
11/29-11/30	Severe Weather	Australia (QLD, NSW)	0	Hundreds	10s of Millions

Additional Report Details

TD = Tropical Depression, TS = Tropical Storm, HU = Hurricane, TY = Typhoon, STY = Super Typhoon, CY = Cyclone

Fatality estimates as reported by public news media sources and official government agencies.

Structures defined as any building – including barns, outbuildings, mobile homes, single or multiple family dwellings, and commercial facilities – that is damaged or destroyed by winds, earthquakes, hail, flood, tornadoes, hurricanes or any other natural-occurring phenomenon. Claims defined as the number of claims (which could be a combination of homeowners, commercial, auto and others) reported by various insurance companies through press releases or various public media outlets.

Damage estimates are obtained from various public media sources, including news websites, publications from insurance companies, financial institution press releases and official government agencies. Damage estimates are obtained from various public media sources, including news websites, publications from insurance companies, financial institution press releases and official government agencies. Economic loss totals include any available insured loss estimates, which can be found in the corresponding event text.

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