



# Global Catastrophe Recap

November 2014

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## Executive Summary

- Significant hailstorm in Brisbane, Australia cited as city's most damaging and costly in decades
- Four separate episodes of winter weather affect the United States causing at least 29 fatalities
- Flood events around the globe claim at least 79 lives

One of the most significant hailstorms in decades to affect Australia's greater Brisbane metro region struck at the end of November, injuring at least 12 people. The storm prompted up to tennis ball-sized hail, high winds, and flooding rains as it caused considerable damage to residential and commercial properties and vehicles. Damage was especially heavy in an area of Brisbane and the city's outskirts that was 25 to 30 kilometers (15 to 20 miles) wide. Preliminary data from the Insurance Council of Australia indicated that nearly 69,000 claims had been filed with payouts totaling AUD482 million (USD404 million), though these figures were expected to continue growing given the scope of damage.

Severe weather also struck northern Italy, killing at least three people and causing estimated economic losses of EUR200 million (USD250 million).

The United States endured four separate winter weather events, including the first polar vortex event of the season and a near record-breaking snow event in the Northeast. In total, 29 fatalities were registered during the month. The polar vortex episode blanketed much of the country, as all 50 states recorded at least one station with temperatures at or below 32°F (0°C). Later, an active weather pattern led to as much as 7.0 feet (213.4 centimeters) of lake effect snow falling in the greater Buffalo, NY metro region. A later storm system affected 20 million people while snarling travel around the Thanksgiving holiday. Total aggregate economic losses were expected to reach into the hundreds of millions (USD).

Elsewhere, winter weather also affected China's Xinjiang and Heilongjiang provinces causing widespread damages and economic losses of USD245 million.

Flooding was prevalent around the globe during the month, most notably in EMEA. One particular event left 13 people dead and caused hundreds of millions of dollars (USD) worth of damage in parts of France, Switzerland, Italy, and Albania. In Morocco, 47 people died and thousands of properties were damaged as excessive rains fell. Total economic damages in Morocco were estimated at MAD4.0 billion (USD450 million).

Elsewhere, extensive damage to properties from flooding was also reported in parts of the Caribbean; while tens of thousands of people were displaced in Thailand. Seasonal rains also left thousands of residents homeless in parts of Argentina, Uganda, Somalia, and the Indonesian island of Sumatra.

At least five people were killed by a magnitude-5.9 earthquake that struck China's Sichuan province. At least 25,000 properties were damaged as a result of the main tremor and subsequent aftershocks. Also, a magnitude-6.2 earthquake struck central Japan injuring 46 people and damaging at least 855 properties.

Tropical Storm Sinlaku formed over the Philippines at the end of the month killing four people and damaging almost 3,000 homes. The storm also affected Vietnam where further damage to property and agricultural land were sustained from the system's torrential rains.

Government officials in Jamaica announced that more than 18,309 small farms had been affected this year by drought conditions and that the agricultural sector had lost more than USD10 million as a result.

## United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/1-11/3	Winter Weather	Northeast, Mid-Atlantic, Southeast	0	Unknown	Millions+
11/8-11/12	Winter Weather	Rockies, Plains, Midwest	4	Unknown	Millions+
11/15-11/19	Winter Weather	Northeast, Midwest, Southeast	24	Thousands+	100+ million
11/25-11/28	Winter Weather	Northeast, Mid-Atlantic	1	Unknown	Millions+

The first noteworthy winter weather event of the season affected eastern parts of the U.S. from the 1st through 3rd and brought record early snowfalls to parts of South Carolina. The Northeast was worst affected with several locations in Maine recording more than 12 inches (30 centimeters) of snow. The storm brought gusty winds and heavy, wet snow to many areas. Almost 200,000 customers suffered power outages as the storm swept across the region.

The first polar vortex event of the pending winter season affected northern parts of the U.S. from the 8th to 12th bringing over three feet (91.44 centimeters) of snowfall to parts of Michigan. Temperatures plummeted across much of the contiguous U.S. and tens of thousands of electrical customers were affected. At least four people died.

Further snowfall affected parts of the U.S. from the 15th through 19th. The multi-day event was most notable for the prodigious amounts of lake effect snowfall produced in the Northeast (including more than 7.0 feet (213.4 centimeters) in the greater Buffalo, NY region) and Midwest was responsible for the deaths of at least 24 people. The weather pattern also brought well-below normal temperatures to all 50 states and tornadoes and damaging straight line winds to parts of the Southeast. Preliminary clean-up costs in Buffalo alone were listed at USD30 million, excluding damages.

An active weather pattern spawned a nor'easter that affected parts of the Mid-Atlantic and Northeast from the 25th to 28th affecting as many as 20 million Americans. One fatality was reported as the storm produced hazardous travel conditions across the region. Road and air travel were severely disrupted and at the peak of the storm an estimated 430,000 customers suffered power outages. The storm also affected the Canadian Maritime Provinces.

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
7/1-11/30	Drought	Jamaica	0	18,309+	10+ million
11/3-11/5	Flooding	Caribbean	14	6,100+	Unknown

Several months of drought in Jamaica prompted researchers in November to warn of impending problems relating to food security in the country. Government officials announced that some 18,309 small farms were affected and that the agricultural sector had lost more than JMD1.0 billion (USD10 million).

An area of disturbed weather brought torrential rainfall to Haiti, Dominican Republic, the U.S. Virgin Islands, and Puerto Rico from the 3rd to 5th. The ensuing flash floods and landslides were responsible for at least 12 deaths and damage to approximately 6,000 properties in Haiti. In Dominican Republic one person died and over 100 properties were damaged. One fatality was also reported in Puerto Rico. The local agriculture industry is expected to be particularly badly affected.

## South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/30-11/4	Flooding	Argentina	3	Thousands	Unknown

Flooding rains affected Buenos Aires Province from late October into early November, killing at three people and causing 5,203 people to evacuate their homes. Up to 132.1 millimeters (5.20 inches) of rainfall fell in Buenos Aires on October 30, which was higher than the entire monthly average. At least 23 districts in the province were affected as damage was widespread to power lines, infrastructure, and the agricultural sector.

## Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/5-11/12	Severe Weather	Italy	3	Thousands	250+ million
11/15-11/19	Flooding	Switzerland, Italy, France, Albania	13	Thousands	100s of millions

Severe thunderstorms in northern and western Italy triggered deadly flash floods and landslides that affected the country from the 5th to 12th. At least three people lost their lives as their homes were buried by landslides. There were also reports of residential, commercial, agricultural and infrastructure damage due to flooding, lightning strikes, and tornadoes. Total economic losses were estimated at EUR200 million (USD250 million).

An active weather pattern brought torrential rain to southeastern France, southern Switzerland, and northern Italy from 15th through 19th. Flooding and mudslides claimed at least 13 lives and caused extensive damage to properties, infrastructure, public buildings, and agricultural land. Damage was also noted in Albania. Total economic losses were estimated in the hundreds of millions (USD).

## Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/30-11/12	Flooding	Somalia, Uganda	0	2,500+	Unknown
11/21-12/4	Flooding	Morocco	47	Thousands+	450+ million

Weeks of seasonal rains triggered massive floods in the eastern African countries of Somalia and Uganda during the end of October and early November that displaced more than 66,500 people. In Uganda, 2,423 properties were affected by the floods as several major rivers overflowed their banks.

An unusual jet stream pattern prompted multiple rounds of torrential rains in Morocco from late November into early December. At least 47 people were killed as river floods and flash flooding inundated southern portions of the country. Thousands of homes were destroyed across at least 356 villages, with more than 18,000 roads reportedly sustaining heavy damage. The Moroccan government estimated that total economic damages would top MAD4.0 billion (USD450 million).

## Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/31-11/4	Flooding	Indonesia	1	13,505+	115+ million
11/8-11/10	Flooding	Thailand	0	Thousands	Unknown
11/10-14	Winter Weather	China	0	5,000+	245+ million
11/22	Earthquake	Japan	0	855+	Millions
11/22	Earthquake	China	5	25,000+	Millions
11/22-11/24	Flooding	Indonesia	1	2,084+	Unknown
11/27-11/30	TS Sinlaku	Philippines, Vietnam	4	3,143+	Unknown

Flooding rains affected Indonesia's Aceh Province from late October into early November, killing at least one person and causing tens of thousands to flee their homes. A disaster was declared for more than 19 regencies as up to 2.5 meters (8.2 feet) of floodwaters and landslides damaged more than 13,500 homes. Agriculture and infrastructure were also heavily affected. Total economic losses were listed at IDR1.4 trillion (USD115 million).

A region of disturbed weather brought torrential rains to Thailand from the 8th to 12th causing major flash floods in the southern province of Trang. More than 12,000 people were displaced and major losses to the agricultural industry were expected. Eight more provinces were also affected.

A heavy snow event blanketed parts of China's Xinjiang and Heilongjiang provinces between the 10th and 14th, causing widespread damage. No fatalities were reported, though the snow and ice damaged more than 65,000 hectares (160,600 acres) of cropland. Total economic losses were listed at CNY1.5 billion (USD245 million).

A magnitude-6.2 earthquake struck central Japan on 22nd at 10:08 PM local time (13:08 UTC) causing upward movement of up to 90 centimeters at the Earth's surface. No fatalities were reported, though 46 people were injured. At least 855 homes were damaged, 33 of which were completely destroyed. Worst affected was the ski resort town of Hakuba.

A magnitude-5.9 earthquake shook Sichuan Province, China, on the 22nd at 4:55 PM local time (08:55 UTC), killing at least five people. A further 55 were injured by the temblor and damage was sustained to 25,000 homes. The tremor was followed by a magnitude-5.6 aftershock on the 25th at 11:19 PM local time (15:19 UTC). Three people sustained injuries from the aftershock and further damage was inflicted on property that was already weakened from the previous tremor.

Seasonal flooding in the northern part of the Indonesian island of Sumatra inundated 2,084 properties and claimed at least one life. The rains, which fell between the 22nd and 24th, led to several major rivers overflowing their banks that damaged roads and bridges.

Tropical Storm Sinlaku brought torrential rain to the Philippines on the 27th and 28th, causing at least four deaths. Two others were injured as flooding rains damaged at least 2,993 homes, of which 333 were completely destroyed. Damage was also sustained to agricultural land and infrastructure. The storm moved into Vietnam on 30th where it damaged 150 homes in Phu Yen and Binh Dinh Provinces and destroyed 210 hectares (520 acres) of crops.

## Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/30	Severe Weather	Australia	0	69,000+	404+ million

A large thunderstorm complex caused widespread disruption and damage throughout Australia's greater Brisbane metropolitan region on the 22nd, injuring at least 12 people. The storm prompted large hail, torrential rain, flash floods, and strong winds as it caused mass power outages and severely disrupted transport throughout the area. Significant hail and wind damage was sustained to residential and commercial property and vehicles as officials deemed the event one of Brisbane's worst in decades. Preliminary data from the Insurance Council of Australia indicated that nearly 698,000 claims (including 51,472 automobile and 17,509 residential) had been filed with payouts totaling AUD482 million (USD404 million). Total economic losses were even higher.

## Appendix

### Updated 2014 Data: January – October

#### United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/1-9/1	Drought	Western U.S.	0	Unknown	4.0+ billion
1/1-1/5	Winter Weather	Midwest, Ohio Valley, Northeast	16	10,000+	200+ million
1/5-1/8	Winter Weather	Midwest, Northeast, Southeast	21	150,000+	3.0+ billion
1/11	Severe Weather	Southeast	2	5,000+	50+ million
1/20-1/22	Winter Weather	Central and Eastern U.S.	4	Thousands+	100+ million
1/26-1/29	Winter Weather	Southeast, Midwest, Mid-Atlantic	13	Thousands+	250+ million
2/3-2/6	Winter Weather	Midwest, Plains, Northeast	9	30,000+	250+ million
2/11-2/14	Winter Weather	Southeast, Northeast	25	50,000+	900+ million
2/20-2/21	Severe Weather	Midwest, Southeast, Mid-Atlantic	1	20,000+	175+ million
2/28-3/4	Winter Weather	Nationwide	12	Thousands+	Millions+
3/1-3/31	Flooding	Montana, Wyoming	0	Hundreds+	10+ million
3/6-3/7	Winter Weather	Southeast, Mid-Atlantic	0	12,500+	100+ million
3/22	Mudslide	Washington	41	50+	10+ million
3/27-3/29	Severe Weather	Midwest, Plains, Southeast	0	100,000+	800+ million
3/28	Earthquake	California	0	Hundreds+	25+ million
4/2-4/4	Severe Weather	Plains, Midwest, Southeast	0	160,000+	1.5+ billion
4/12-4/14	Severe Weather	Plains, Midwest, Southeast	0	100,000+	1.0+ billion
4/27-5/1	Severe Weather	Central/Eastern U.S.	39	115,000+	1.6+ billion
5/7-5/9	Severe Weather	Plains, Midwest	0	25,000+	250+ million
5/10-5/15	Severe Weather	Plains, Midwest, Mid-Atlantic	0	100,000+	950+ million
5/11-5/20	Wildfires	Texas, California	2	400+	100+ million
5/18-5/23	Severe Weather	Midwest, Rockies, Northeast	0	425,000+	4.25+ billion
5/24-5/28	Severe Weather	Southwest	0	25,000+	200+ million
6/3-6/9	Severe Weather	Midwest, Plains, Rockies	3	115,000+	1.9+ billion
6/10-6/12	Severe Weather	Midwest, Plains, Rockies	0	20,000+	150+ million
6/12-6/13	Severe Weather	Texas	0	40,000+	550+ million
6/14-6/19	Severe Weather	Midwest, Plains, Rockies	2	75,000+	775+ million
6/24-6/25	Severe Weather	Colorado, Wyoming, Kansas	0	30,000+	275+ million
6/29-7/1	Severe Weather	Midwest, Plains, Ohio Valley	4	55,000+	550+ million
7/1-7/6	HU Arthur	Eastern Seaboard	0	Hundreds+	10+ million
7/7-7/9	Severe Weather	Central & Eastern U.S.	5	45,000+	350+ million
7/14-8/15	Wildfire	Washington	1	300+	75+ million
7/26-7/28	Severe Weather	Central & Eastern U.S.	0	30,000+	225+ million
8/3	Flooding	California	1	100+	Millions+
8/8-8/10	HU Iselle	Hawaii	1	278+	66+ million
8/11-8/13	Flooding	Midwest, Northeast, Mid-Atlantic	1	70,000+	2.0+ billion
8/19	Flooding	Arizona	0	100+	10+ million



Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
8/24	Earthquake	California	0	Thousands+	2.0+ billion
8/31-9/2	Severe Weather	Midwest, Plains, Northeast	0	Thousands+	Millions+
8/31-9/2	Severe Weather	Plains, Midwest, Northeast, Mid-Atlantic	1	Thousands+	Millions+
9/7-9/9	Flooding	Southwest	2	15,000+	225+ million
9/14-9/25	Wildfires	California	0	275+	100+ million
9/27-9/30	Severe Weather	Southwest, Rockies	0	90,000+	1.0+ billion
10/1-10/3	Severe Weather	Plains, Midwest, Southeast	0	35,000+	425+ million
10/12-10/14	Severe Weather	Plains, Midwest, Southeast	2	20,000+	200+ million
10/25	Severe Weather	Northwest	2	Unknown	12+ million

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/13	Earthquake	Puerto Rico	0	Hundreds+	Unknown
1/1-3/31	Drought	Haiti	0	Unknown	Millions+
3/26	Winter Weather	Canada	0	Thousands+	Millions+
4/10	Earthquake	Nicaragua	1	2,354+	Millions+
4/18	Earthquake	Mexico	0	2,500+	Millions+
5/30-6/2	TS Boris	Mexico, Guatemala	6	Hundreds+	Unknown
6/17	Severe Weather	Canada	0	100+	50+ million
6/28-7/10	Flooding	Canada	0	Thousands+	745+ million
7/5-7/7	HU Arthur	Canada	0	Hundreds+	31+ million
7/7	Earthquake	Mexico, Guatemala	9	20,000+	25+ million
8/1-8/4	HU Bertha	Caribbean, Bahamas	0	Hundreds+	Unknown
8/4	Flooding	Canada	0	2,300+	250+ million
8/7-8/8	Severe Weather	Canada	0	25,000+	600+ million
6/1-10/1	Drought	Guatemala	0	Unknown	58+million
9/2-9/3	TS Dolly	Mexico	0	500+	Unknown
9/4-9/8	HU Norbert	Mexico	3	3,000+	25+ million
9/10-9/17	HU Odile	Mexico	5	50,000+	2.5+ billion
10/12	HU Fay	Bermuda	0	1,000+	Millions+
10/13-10/17	HU Gonzalo	Bermuda, Caribbean Islands	4	Thousands+	150+ million
10/14	Earthquake	Central America	1	100+	Unknown
10/15-10/17	Flooding	Guatemala, Honduras, Nicaragua	36	13,500+	Millions+
10/18-10/19	TS Trudy	Mexico	8	10,000+	Millions+

## South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/1-2/28	Flooding	Bolivia	64	25,000+	100+ million
1/1-4/30	Drought	Brazil	0	Unknown	4.3+ billion
1/12	Flooding	Brazil	24	500+	Unknown
2/15-3/31	Flooding	Brazil, Bolivia, Peru	0	29,500+	200+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
4/1	Earthquake	Chile	7	13,000+	100+ million
4/12-4/16	Wildfire	Chile	15	2,900+	34+ million
5/19-5/23	Severe Weather	Brazil	0	Thousands+	Millions+
6/7-6/30	Flooding	Brazil, Paraguay, Argentina	15	25,000+	300+ million
8/12	Earthquake	Ecuador	3	Hundreds+	Unknown
8/24	Earthquake	Peru	0	200+	Millions+
9/27	Earthquake	Peru	8	150+	Unknown
10/6	Severe Weather	Colombia	11	Unknown	Unknown

## Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/23-3/1	Flooding	United Kingdom	0	420,000+	1.5+ billion
1/2-1/3	WS Anne	United Kingdom, France	0	Thousands+	100+ million
1/5-1/7	WS Christina	UK, France, Scandinavia	3	Thousands+	500+ million
1/26-1/30	Winter Weather	Central/Western Europe	4	5,000+	Millions+
1/26-2/3	Earthquakes	Greece	0	1,000+	Millions+
2/1-2/8	WS Nadja & Petra	Western/Central Europe	1	Thousands+	410+ million
2/11-2/13	WS Tini	Western Europe	1	Thousands+	700+ million
2/14-2/15	WS Ulla	Western Europe	5	Thousands+	100+ million
4/19-4/22	Flooding	Romania, Serbia, Bulgaria	4	Hundreds+	10+ million
5/13-5/21	Flooding	Southeast Europe	80	150,000+	4.5+ billion
5/24	Earthquake	Greece, Turkey	0	Hundreds+	Millions+
5/27-5/31	Flooding	Russia	0	16,000+	15+ million
6/8-6/10	Severe Weather	France, Germany, Belgium	6	400,000+	3.5+ billion
6/19-6/20	Flooding	Bulgaria	15	5,500+	38+ million
7/8-7/11	Severe Weather	Western & Central Europe	5	25,000+	500+ million
7/26-7/30	Flooding	Western & Central Europe	3	5,000+	135+ million
8/2	Flooding	Italy	4	Hundreds+	Millions+
8/30-8/31	Flooding	Denmark, Sweden	0	Thousands+	Millions+
9/4-9/6	Severe Weather	Bulgaria	3	2,000+	10+ million
9/7	Flooding	Italy	2	2,000+	25+ million
9/10-9/14	Flooding	Croatia, Slovenia, Serbia	3	5,000+	Millions+
9/18	Flooding	France	5	Hundreds+	Millions+
10/8-10/11	Severe Weather	Italy	1	Thousands+	500+ million
10/20-10/25	Ex-HU Gonzalo	Western, Central, and Southern Europe	3	Thousands+	42+ million

## Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/21	Flooding	Tanzania	1	4,086+	Millions+
1/20-2/10	Flooding	Zimbabwe	0	6,393+	20+ million
2/9-2/10	Flooding	Burundi	77	3,790+	Millions+

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
3/2-3/20	Flooding	South Africa	32	Thousands+	85+ million
3/29-4/1	CY Hellen	Madagascar, Comoros	17	2,000+	Millions+
6/28	Flooding	Nigeria	15	Thousands+	Unknown
7/25-8/4	Flooding	Sudan	17	3,000+	Unknown
8/1	Earthquake	Algeria	6	Thousands+	Unknown
8/5	Earthquake	South Africa	1	400+	Unknown
8/1-8/31	Flooding	Niger	18	5,511+	Millions
10/25-10/28	Severe Weather	Congo	30+	750+	Unknown

## Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/1-2/1	Volcano	Indonesia	32	Unknown	83+ million
1/1-4/30	Drought	Pakistan	180	Unknown	18+ million
1/2	Earthquake	Iran	1	Thousands+	Millions+
1/11-1/20	Flooding	Philippines	79	3,500+	13+ million
1/12-1/15	Winter Weather	China	0	Unknown	89+ million
1/14-1/17	Flooding	Indonesia	20	10,844+	153+ million
1/14-1/21	Flooding	Indonesia	12	38,762+	430+ million
1/15-1/31	Winter Weather	Thailand	63	Unknown	Unknown
1/17-1/20	Winter Weather	India	25	Unknown	Unknown
1/17-1/22	Winter Weather	China	0	Unknown	79+ million
1/19-1/22	Flooding	Indonesia	13	4,000+	515+ million
1/24-1/28	Flooding	Indonesia	26	100+	173+ million
1/31-2/1	TD Kajiki	Philippines	6	427+	3.2+ million
1/1-8/31	Drought	Sri Lanka	0	Unknown	25+ million
2/1-2/7	Winter Weather	Afghanistan, Kyrgyzstan	46	Hundreds+	Unknown
2/4-2/5	Winter Weather	China	0	10,000+	115+ million
2/7-2/14	Winter Weather	China	10	20,000+	675+ million
2/8-2/16	Winter Weather	Japan	95	288,000+	6.25+ billion
2/12	Earthquake	China	0	90,000+	350+ million
2/13-2/20	Flooding	Malaysia	2	5,000+	25+ million
2/14	Volcano	Indonesia	7	12,447+	103+ million
2/17	Winter Weather	South Korea	10	Unknown	11+ million
2/17-2/21	Winter Weather	China	0	5,000+	140+ million
2/22	Flooding	Indonesia	11	2,000+	Millions+
3/10-3/12	Winter Weather	India	17	1,922+	Unknown
3/12-3/14	Winter Weather	China	0	2,000+	50+ million
3/19-3/20	Severe Weather	China	1	5,000+	118+ million
3/23-3/27	Severe Weather	China	0	15,000+	95+ million
3/27-4/4	Severe Weather	China	27	80,000+	161+ million
4/5	Earthquake	China	0	15,000+	80+ million
4/7-4/9	Severe Weather	China	0	1,000+	230+ million
4/11-4/12	Flooding	Tajikistan	15	500+	Millions+

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
4/14-4/16	Severe Weather	China	0	1,000+	155+ million
4/16-4/20	Severe Weather	China	3	20,000+	156+ million
4/18	Winter Weather	Nepal	16	Unknown	Unknown
4/22-4/28	Severe Weather	China	9	10,000+	452+ million
4/24-5/15	Flooding	Afghanistan	2,665	15,000+	Unknown
4/27-4/28	Severe Weather	Bangladesh	16	1,000+	Unknown
5/3-5/7	Winter Weather	China	0	Unknown	417+ million
5/5	Earthquake	Thailand	1	4,000+	62+ million
5/8-5/15	Flooding	China	3	15,000+	450+ million
5/24	Earthquake	China	0	45,000+	60+ million
5/24-5/28	Flooding	China	37	95,000+	1.2+ billion
5/30	Earthquake	China	0	22,000+	Millions+
5/30-5/31	Severe Weather	India	15	Hundreds+	Unknown
6/1-6/7	Flooding	China	33	74,000+	675+ million
6/2	Flooding	Sri Lanka	27	1,487+	Millions+
6/6-6/7	Flooding	Afghanistan	150	2,000+	Unknown
6/9-6/10	Severe Weather	China	1	5,000+	193+ million
6/14-6/16	TS Hagibis	China	0	1,000+	131+ million
6/16-6/18	Severe Weather	China	11	5,000+	94+ million
6/17-6/21	Flooding	China	30	85,000+	925+ million
6/23-6/25	Flooding	China	4	5,000+	75+ million
6/25-6/30	Flooding	China	24	30,000+	483+ million
6/26-6/28	Flooding	India	27	Thousands+	Millions+
6/20-8/31	Drought	China	0	Unknown	5.2+ billion
7/3-7/7	Flooding	China	36	10,000+	547+ million
7/8-7/11	STY Neoguri	Japan	7	1,000+	100+ million
7/13-7/18	Flooding	China	66	80,000+	1.25+ billion
7/15-7/20	STY Rammasun	Philippines, China, Vietnam	206	1.0+ million	7.2+ billion
7/16-7/22	Flooding	India, Nepal	34	Thousands+	Unknown
7/19-7/20	Severe Weather	China	5	5,000+	275+ million
7/22-7/24	TY Matmo	Taiwan, China, Philippines	15	30,000+	570+ million
7/30	Landslide	India	209	44+	Unknown
7/30-8/31	Flooding	Cambodia	45	11,590+	Millions+
8/2	Landslide	Nepal	156	129+	15+ million
8/3	Earthquake	China	617	225,000+	3.3+ billion
8/3-8/4	Flooding	India	35	25,000+	100s of Millions
8/3-8/6	TS Nakri	South Korea, Japan	14	2,000+	Millions+
8/4-8/8	Flooding	Southeast Asia	9	Thousands+	Millions+
8/9-8/11	Flooding	Indonesia	3	2,638+	Unknown
8/10-8/12	STY Halong	Japan	10	7,218+	100s of Millions
8/11-8/16	Flooding	India, Nepal	214	35,000+	82+ million
8/12-8/13	Flooding	China	27	30,000+	487+ million
8/15	Flooding	Pakistan	16	500+	Unknown
8/15-9/10	Flooding	Bangladesh	14	275,000+	150+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
8/16-8/20	Flooding	Japan	73	2,500+	Millions+
8/18	Earthquake	Iran	0	17,000+	44+ million
8/22-8/28	Flooding	China	10	10,000+	700+ million
8/25	Flooding	South Korea	13	Thousands+	Millions+
8/26-9/12	Flooding	Thailand	10	14,652+	10+ million
9/1-9/6	Flooding	China	65	60,000+	570+ million
9/2-9/15	Flooding	India, Pakistan	648	375,000+	18+ billion
9/10-16	TY Kalmaegi	Philippines, China, Vietnam	31	83,000+	3.0+ billion
9/10-9/17	Flooding	China	50	213,000+	1.4+ billion
9/18-9/24	TS Fung-Wong	Philippines, Taiwan, China	21	12,000+	232+ million
9/20-9/25	Flooding	India	73	Thousands+	163+ million
9/25-9/26	Severe Weather	China	0	Unknown	134+ million
9/27	Volcano	Japan	47	Unknown	Unknown
10/4-10/7	STY Phanfone	Japan	11	3,000+	100+ million
10/6-10/14	STY Vongfong	Japan, Northern Mariana Islands	9	500+	100+ million
10/7	Earthquake	China	1	51,000+	835+ million
10/12-10/14	CY Hudhud	India	68	200,000+	11+ billion
10/14	Winter Weather	Nepal	43	Unknown	Unknown
10/29	Landslide	Sri Lanka	38	66+	Unknown

## Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/10-1/12	CY Ian	Tonga	1	1,130+	48+ million
1/12-1/19	Wildfires	Australia (WA, VIC, SA)	2	350+	25+ million
1/20	Earthquake	New Zealand	0	4,004+	Millions+
1/30-1/31	CY Dylan	Australia (QLD)	0	Unknown	Unknown
2/25-2/28	Flooding	Fiji	0	Hundreds+	2.1+ million
3/4-3/5	Flooding	New Zealand	0	1,000+	30+ million
3/9-3/12	CY Lusi	Vanuatu	12	Hundreds+	Millions+
4/3-4/4	Flooding	Solomon Islands	23	Thousands+	24+ million
4/10-4/14	CY Ita	Australia	0	680+	1.0+ billion
4/17	Severe Weather	New Zealand	0	10,000+	65+ million
6/10-6/11	Severe Weather	New Zealand	0	6,000+	45+ million
7/8-7/11	Severe Weather	New Zealand	0	3,000+	20+ million
10/14-10/15	Severe Weather	Australia	0	Hundreds+	Unknown

## 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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