

November 2012 Global Catastrophe Recap



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Executive Summary

- November floods in the United Kingdom push annual insured losses to highest level since 2007
- Magnitude-7.4 earthquake leaves at least 52 people dead in Guatemala
- Severe weather causes at least USD105 million in insured losses across Australia's QLD and NSW

An active weather pattern brought periods of torrential rainfall across much of the United Kingdom during the month of November, leading to the deaths of at least four people. The rains, which were heaviest in parts of Britain, Scotland and Wales, damaged or destroyed more than 1,100 homes. The combination of flash flooding and overflowing rivers contributed to the severity of the floods as transportation was also severely impacted due to damaged infrastructure. A report from PricewaterhouseCoopers noted that the floods were likely to cost insurers as much as GBP500 million (USD800 million).

It should be noted that the November floods are set to push the annual insured loss total for the UK beyond GBP1 billion (USD1.6 billion). This makes 2012 the costliest flood year for insurers since 2007, when more than GBP3 billion (USD4.8 billion) in claims were processed.

Also in Europe, excessive rains prompted flooding along the Drava and Sava rivers in Slovenia and in neighboring Croatia. More than 4,500 homes and other buildings were damaged. Economic losses were listed at EUR209 million (USD265 million).

Additional flooding was recorded during the month in Indonesia, Panama, Haiti and Congo.

A strong magnitude-7.4 earthquake struck just offshore Guatemala, killing at least 52 people. The tremor damaged or destroyed at least 30,870 homes in 21 separate departments. Thousands of other structures sustained cracking as well. More than GTQ800 million (USD102 million) was made available for recovery.

In other earthquake news, at least 26 people were killed and 231 others were injured after a magnitude-6.8 earthquake struck northern Myanmar. Thousands of homes and other structures were damaged as MMK1 billion (USD1.17 million) was allocated for disaster relief. In Iran, a magnitude-5.5 earthquake injured at least 55 people with most of the damage concentrated in East Azabaijan Province.

Two periods of severe weather impacted Australia during the month, with the most notable stretch affecting portions of southeast Queensland and northern New South Wales. Softball-sized hail caused significant damage, while flash floods and high winds brought down trees and power lines. Local insurers noted that 10,700 home and auto claims had already been filed with payouts expected to reach at least AUD100 million (USD105 million).

Winter weather was also prevalent in November, most notably in China. Two separate waves of storms led to a combined USD338 million in economic damages across several provinces. Also in Asia, Japan and Pakistan both recorded heavy snow and wind events.

In the United States, an active weather pattern brought persistent precipitation to the Pacific Northwest during the second half of the month. A Nor'easter affected coastal sections of New England and the Mid-Atlantic nearly one week after Post-Tropical Cyclone Sandy's landfall in late October.

Sandy left 131 people dead in the U.S., and caused at least USD62 billion in economic losses.

United States

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
11/6-11/8	Winter Weather	Northeast	4+	Unknown	Unknown
11/18-11/24	Winter Weather	Pacific Northwest	1+	Hundreds+	Millions+

A Nor'easter brought periods of rain, heavy snow, gusty winds, and a minor coastal surge along areas of the Mid-Atlantic and the Northeast between the 6th and the 8th. At least four fatalities were attributed to the storm. Local officials reported that the storm did not cause much damage, but knocked out electricity for more than 350,000 customers in New York and New Jersey who were still recovering from Post-Tropical Cyclone Sandy. The Nor'easter also forced the cancellation of more than 1,300 flights.

A series of strong Pacific storm systems came ashore across the U.S. Northwest between the 18th and the 24th, killing at least one person. The storms brought periods of very heavy rainfall, gusty winds, flooding, landslides and multiple feet (meters) of snow in the higher elevations of the Cascades. Seattle, Washington broke a 50-year-old record during the stretch, while heavy rains forced several rivers in western Oregon and Washington to swell above flood stage. Hundreds of homes and other structures reported inundation damage as infrastructure was heavily affected as well.

Remainder of North America (Canada, Mexico, Central America, Caribbean Islands, Bermuda)

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
11/7	Earthquake	Guatemala	52+	30,870+	102+ million
11/10-11/11	Flooding	Haiti	17+	1,573+	Unknown
11/24-11/25	Flooding	Panama	5+	1,600+	Millions+

A strong earthquake struck just offshore Guatemala on the 7th, killing at least 52 people and causing widespread damage. The magnitude-7.4 earthquake occurred at 10:35 AM local time (16:35 UTC) with an epicenter 24 kilometers (14 miles) south of Champerico, Guatemala. Of the 21 departments reporting damage, the hardest-hit included San Marcos, Quetzaltenango and Sololá. At least 30,870 homes were damaged or destroyed in addition to thousands of other structures such as churches, businesses and schools. Infrastructure and the electrical grid were impacted as well. More than GTQ800 million (USD102 million) was made available for recovery.

Torrential rains deluged parts of northern and northeastern Haiti on the 10th and 11th, prompting floods that killed at least 17 people. According to local emergency management officials, at least 1,573 households from more than 10 towns were forced to flee due to overflowing rivers. The floods also caused heavy damage to crops and public buildings.

Excessive rainfall inundated much of Panama on the 24th and the 25th, prompting widespread flooding and landslides. At least five people were killed and 1,600 homes were damaged or destroyed after overflowing rivers and landslides impacted many areas. Local officials reported that the provinces of Colón and Panamá were hardest-hit, which prompted state of emergency declarations.

South America

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
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No major natural disaster events occurred in South America during the month of November.

Europe

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
11/5-11/6	Flooding	Slovenia, Croatia	0	4,500+	265+ million
11/21-28	Flooding	United Kingdom	0	1,100+	1.0+ billion
11/28	Severe Weather	Italy	0	Dozens+	Unknown

Significant rainfall led to major flooding along the Drava and Sava rivers in Slovenia on the 5th and 6th. More than 4,000 homes and other buildings were damaged in the hardest-hit towns of Duplek, Dravograd, Bohinj and Kranj, after water swept through neighborhoods and industrial areas. Roads and rail tracks were also submerged. Damage was listed at EUR209 million (USD265 million). In Croatia, up to residents were forced to evacuate their homes in the capital city of Zagreb after the Sava River swelled. Officials noted that as many as 500 homes had been damaged.

An active weather pattern inundated much of the United Kingdom between the 21st and the 28th, leading to the deaths of at least four people. Torrential rains affected Britain, Scotland, and Wales, as more than 1,100 homes were damaged or destroyed due to flash flooding. Several rivers (including the Thames, Ouse, Derwent, Cree and Ruchill) overflowed their banks, which also caused major infrastructure damage and the shutdown of hundreds of roads and railways. Gusty winds led to further damage due to downed trees and power lines. According to PricewaterhouseCoopers, the floods were likely to cost insurers as much as GBP500 million (USD800 million). Total economic losses were even higher.

A rare autumn tornado struck the city of Taranto, Italy on the 28th, injuring at least 20 people. The EF-2 rated, multiple-vortex tornado caused widespread damage, most notably to a local steel plant which was the largest in Europe. Several nearby buildings and vehicles were severely damaged as well.

Africa

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
11/17-11/18	Flooding	Congo	5+	2,000+	Unknown

Torrential rains brought severe flooding to Congo's Pointe Noire on the 17th and the 18th, killing at least five people. More than 2,000 homes were destroyed as floodwaters and landslides submerged multiple neighborhoods in the city. Infrastructure was heavily affected as well.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
11/1-11/8	Flooding	Indonesia	13+	3,042+	Unknown
11/2-11/4	Winter Weather	China	2+	1,000+	138+ million
11/7	Earthquake	Iran	0	500+	Unknown
11/10-11/14	Winter Weather	China	0	2,500+	100+ million
11/11	Earthquake	Myanmar	26+	5,000+	1.17+ million
11/27	Winter Weather	Japan	0	Hundreds+	Unknown
11/30	Winter Weather	Pakistan	18+	Unknown	Unknown

Excessive rains affected Indonesia's North Sumatra and Sulawesi Island regions between the 1st and the 8th, killing at least 13 people. According to officials from the Regional Disaster Mitigation Agency (RDMA), several rivers (including the Batu Ginging, Kuala Namu, Pekong and Ular) overflowed their banks and caused significant damage in several districts. High water levels flooded at least 3,042 homes, while also submerging a number of highways, most notably the Trans-Sumatra Highway.

An active winter weather pattern brought snow and freezing rain to northern China between the 2nd and the 4th. At least two people were killed. According to the Ministry of Civil Affairs (MCA), Hebei Province, Inner Mongolia and Beijing were all affected with transportation and the electrical grid sustaining disruptions. Official statistics from the MCA noted that nearly 1,000 homes were damaged or destroyed and that total economic losses were CNY860 million (USD138 million).

A magnitude-5.5 earthquake struck northwestern Iran on the 7th, injuring at least 55 people and causing moderate damage. The tremor occurred at 9:56 AM local time (6:26 UTC) with an epicenter 40 kilometers (24 miles) west of Ahar, Iran. According to Iran's semi-official Fars News Agency, damage from the earthquake was primarily concentrated in East Azabaijan Province. The town of Varzaqan sustained the brunt of the temblor's jolt, though most damage to homes and other buildings was confined to cracking.

Winter storms impacted northeast China between the 10th and the 14th, leading to widespread damage. The provinces and regions of Inner Mongolia, Liaoning, Hebei and Heilongjiang were hardest-hit, where heavy snow and gusty winds brought down power lines and damaged nearly 2,500 homes. Total economic losses were CNY622 million (USD100 million).

A magnitude-6.8 earthquake struck northern Myanmar on the 11th, killing at least 26 people and injuring more than 231 others. The tremor occurred at 7:42 AM local time (1:12 UTC) with an epicenter 56 kilometers (34 miles) north-northeast of Shwebo, Myanmar. State-run media reported that the hardest-hit areas came in the townships of Shwebo, Sagaing, Kyaukmyaung, Khin U, Mandalay, Amarapura, Singu, Kyaukse, and Tabeitgine. At least 406 homes, 137 religious buildings, 48 government offices, 22 hospitals and 4 schools were destroyed, in addition to thousands of other structures which sustained cracking. The government allocated MMK1 billion (USD1.17 million) disaster relief fund on the event.

A strong area of low pressure left at least three people injured in Japan's northern island of Hokkaido on the 27th. Winds gusting in excess of 150 kph (90 mph) and blizzard conditions led to hundreds of homes and other structures being damaged due to fallen trees. Transportation was severely disrupted due to infrastructure being affected, while as many as 56,000 power outages were recorded.

Two large avalanches struck the remote mountainous region of Neelum Valley in Pakistan on the 30th, killing at least 18 people. The avalanches were spawned by excessive snowfall and gusty winds.

Oceania (Australia, New Zealand and the South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
11/17-11/18	Severe Weather	Australia (NSW, QLD)	0	10,700+	105+ million
11/28-11/29	Severe Weather	Australia (WA)	1+	500+	Millions+

Powerful thunderstorms in Australia prompted large hail, torrential rain and damaging winds across portions of southeast Queensland (QLD) and northern New South Wales (NSW) on the 17th and 18th. Reports stated that the hardest-hit areas included the councils of Brisbane, Ipswich, Sunshine and Lockyer in QLD and the Woodburn and Ballina areas in NSW. Softball-sized hail damaged roofs and vehicles, while flash floods and winds gusting in excess of 100 kph (65 mph) brought down trees and power lines. Local insurers noted that at least 10,700 home and auto claims had already been filed, yet note was made that these were generally related to minor damage levels. Losses were anticipated to reach AUD100 million (USD105 million).

Strong storms associated with a cold front brought up to 117 kph (73 mph) winds across the greater Perth metropolitan region and Western Australia's southern coast on the 28th into the 29th, killing at least one person. High winds and flooding rains ripped off roofs, downed trees and power lines, and damaged infrastructure in areas including Perth's Central Business District, Wanneroo, Stirling, Rockingham, Mandurah and Cockburn. Economic losses were estimated to reach into the millions of dollars (USD).

APPENDIX

Updated January – October 2012 Data

United States

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
1/8-1/12	Winter Weather	Plains, Southeast, Northeast	0	Thousands+	Millions+
1/12-1/13	Winter Weather	Midwest, Ohio Valley, Northeast	0	Thousands+	Millions+
1/16-1/17	Severe Weather	Midwest, Southeast, Northeast	0	Thousands+	25+ million
1/17-1/22	Winter Weather	Pacific Northwest	3+	1,000+	100+ million
1/19-1/21	Wildfires	Nevada	0	29+	9.1+ million
1/22-1/23	Severe Weather	Southeast, Plains	3+	10,000+	175+ million
2/17-2/18	Severe Weather	Plains, Southeast	0	Hundreds+	Unknown
2/20	Severe Weather	Plains	1+	Thousands+	Millions+
2/22	Severe Weather	Southeast	1+	250+	1.6+ million
2/24	Severe Weather	Southeast, Mid-Atlantic	0	Hundreds+	Millions+
2/28-2/29	Severe Weather	Midwest, Plains, Southeast	14+	25,000+	500+ million
3/2-3/3	Severe Weather	Midwest, Southeast	41+	280,000+	4.0+ billion
3/4-3/9	Flooding	Hawaii	0	Hundreds+	37.5+ million
3/12	Flooding	Louisiana	0	1,500+	2.0+ million
3/14-3/15	Severe Weather	Great Lakes	0	20,000+	275+ million
3/18-3/25	Severe Weather	Plains, Midwest, Southeast	1+	37,500+	325+ million
3/26-4/2	Wildfire	Colorado	3+	25+	Unknown
3/26-4/30	Winter Weather	Michigan	0	Unknown	500+ million
3/29-3/31	Severe Weather	Plains, Midwest, Southeast	0	35,000+	400+ million
4/2-4/4	Severe Weather	Texas	0	120,000+	1.3+ billion
4/11	Severe Weather	California	0	Unknown	79+ million
4/13-4/15	Severe Weather	Plains, Midwest	6+	50,000+	1.75+ billion
4/20	Severe Weather	Texas	0	15,000+	90+ million
4/28-4/29	Severe Weather	Midwest	1+	350,000+	4.0+ billion
5/2-5/6	Severe Weather	Midwest, Plains, Mid-Atlantic	0	30,000+	275+ million
5/13-6/30	Wildfires	West, Midwest	0	375+	50+ million
5/25-5/30	Severe Weather	Plains, Midwest, Northeast	0	190,000+	2.5+ billion
5/28	TS Beryl	Southeast	4	Unknown	10+ million
6/1-11/31	Drought	United States	0	Unknown	35+ billion
6/2-6/4	Severe Weather	Plains, Midwest, Ohio Valley	3+	Hundreds+	Millions+
6/6-6/7	Severe Weather	Colorado, Wyoming	0	120,000+	1.75+ billion
6/9-6/11	Flooding	Southeast	2+	1,000+	174+ million
6/9-6/30	Wildfire	Colorado	1+	850+	136+ million
6/11-6/13	Severe Weather	Texas, New Mexico	0	130,000+	1.75+ billion
6/17-6/18	Severe Weather	Upper Midwest	0	12,500+	115+ million
6/19-6/20	Flooding	Minnesota	0	15,000+	125+ million
6/23-6/27	TS Debby	Florida	7+	20,000+	310+ million

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
6/23-7/10	Wildfire	Colorado	2+	10,000+	500+ million
6/28-7/2	Severe Weather	Midwest, Mid-Atlantic, Plains	28+	425,000+	3.75+ billion
6/30-7/19	Heat Wave	United States	100+	Unknown	Unknown
7/2-7/4	Severe Weather	Midwest, Ohio Valley, Northeast	1+	65,000+	550+ million
7/26-7/27	Severe Weather	Northeast	2+	15,000+	175+ million
8/3-8/9	Wildfires	Oklahoma	1+	1,000+	100+ million
8/9-8/10	Severe Weather	Great Lakes	0	Thousands+	175+ million
8/13-8/31	Wildfires	West	1+	300+	110+ million
8/26-8/31	HU Isaac	Gulf Coast	7+	28,000+	2.0+ billion
9/7-9/8	Severe Weather	Plains, Northeast, Mid-Atlantic	4+	35,000+	225+ million
9/10-9/11	Flooding	Desert Southwest	0	500+	Unknown
9/21-9/22	Severe Weather	Great Lakes, Plains	0	20,000+	175+ million
9/23	Wildfire	California	1+	38+	Unknown
10/17-10/18	Severe Weather	Mississippi Valley, Midwest	0	Thousands+	Millions+
10/27-10/30	HU Sandy	Eastern U.S.	131+	1.4+ million	62+ billion

Remainder of North America (Canada, Mexico, Caribbean, Bermuda)

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
2/11-2/12	Flooding	Canada	0	200+	Unknown
3/20	Earthquake	Mexico	2+	44,000+	815+ million
4/23-4/25	Flooding	Hispaniola	10+	3,000+	Unknown
4/28-4/29	Winter Weather	Canada	0	Unknown	100+ million
5/15-5/31	Flooding	Nicaragua	9+	5,900+	Unknown
5/24-5/27	Flooding	Cuba	2+	1,200+	Unknown
5/25-5/29	Flooding	Canada	0	Thousands+	Millions+
6/1	Flooding	Canada	0	Unknown	Unknown
6/5-6/6	Severe Weather	Canada	0	Hundreds+	10+ million
6/9-6/10	Severe Weather	Canada	0	2,500+	Millions+
6/15	HU Carlotta	Mexico	7+	31,500+	105+ million
6/26-6/30	Severe Weather	Canada	0	Unknown	9.0+ million
7/1-7/23	Flooding	Guatemala	0	1,010+	Unknown
7/11-7/12	Severe Weather	Canada	0	10,000+	175+ million
7/22-7/23	Severe Weather	Canada	0	10,000+	150+ million
7/23-7/31	Flooding	Central America	1+	4,150+	Unknown
7/26	Severe Weather	Canada	0	2,500+	80+ million
8/3-8/10	HU Ernesto	Caribbean, Mexico	7+	Hundreds+	Unknown
8/12	Severe Weather	Canada	0	10,000+	200+ million
8/17-8/18	TS Helene	Mexico, Caribbean	2+	Hundreds+	17+ million
8/22-8/26	HU Isaac	Caribbean	34+	1,000+	Unknown
9/5	Earthquake	Costa Rica	3+	500+	45+ million
9/8-9/11	HU Leslie	Canada, Bermuda	0	Hundreds+	10+ million

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
10/13-10/18	HU Rafael	Caribbean, Bermuda, Canada	1+	500+	2.0+ million
10/16-10/17	HU Paul	Mexico	0	600+	15.5+ million
10/23-10/27	HU Sandy	Caribbean, Bahamas, Canada	122+	300,000+	2.5+ billion
10/27	Earthquake	Canada	0	Unknown	Unknown

South America

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
12/24-1/6	Wildfires	Chile	7+	Hundreds+	200+ million
1/1-1/10	Flooding	Brazil	39+	25,000+	Millions+
1/1-3/25	Flooding	Ecuador	30+	4,000+	Unknown
1/30	Earthquake	Peru	0	858+	Unknown
2/8-2/9	Flooding	Peru	14+	11,000+	Unknown
2/10-2/29	Flooding	Brazil, Bolivia	1+	37,300+	10+ million
3/11-3/16	Flooding	Chile	0	6,500+	3.1+ million
3/24-3/31	Flooding	Colombia	5+	5,000+	170+ million
3/25	Earthquake	Chile	0	Hundreds+	100+ million
4/2-4/30	Flooding	Paraguay	0	13,654+	Unknown
4/4	Severe Weather	Argentina	18+	32,000+	10+ million
4/5-4/27	Flooding	Colombia, Peru	19+	25,000+	170+ million
5/1-5/20	Flooding	Brazil	0	75,000+	226+ million
5/8-5/11	Flooding	Venezuela	0	2,200+	93+ million
7/15-7/30	Flooding	Colombia	0	15,000+	Millions+
9/19	Severe Weather	Paraguay, Uruguay, Bolivia	9+	6,000+	Millions+
10/5-10/19	Flooding	Colombia	12+	3,500+	Unknown
10/29-10/31	Flooding	Argentina	1+	1,500+	Millions+

Europe

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
1/3-1/4	WS Ulli	UK, Scandinavia	2+	5,000+	500+ million
1/4-1/5	WS Andrea	UK, Northern Europe	0	Thousands+	650+ million
1/24-2/17	Winter Weather	Eastern/Central Europe	824+	Unknown	775+ million
2/7-2/8	Winter Weather	Ukraine	0	Unknown	2+ million
2/7-2/9	Flooding	Bulgaria, Greece	12+	Hundreds+	4.4+ million
3/26	Earthquake	Turkey	0	Hundreds+	Unknown
4/20	Wildfire	Russia	1+	65+	Unknown
4/22-4/27	Flooding	Russia	0	3,957+	17+ million
5/7	Earthquake	Azerbaijan	0	3,124+	Unknown
5/12	Flooding	Georgia	5+	5,000+	4.9+ million
5/18	Earthquake	Azerbaijan	0	7,000+	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
5/20	Earthquake	Italy	7+	3,000+	6.25+ billion
5/29	Earthquake	Italy	18+	5,000+	
6/1-9/30	Drought	Italy	0	Unknown	1.23+ billion
6/1-9/30	Drought	Russia	0	Unknown	1.14+ billion
6/1-9/30	Drought	Slovenia	0	Unknown	162+ million
6/4	Severe Weather	Ukraine	0	150+	Unknown
6/10	Earthquake	Turkey, Greece	0	Hundreds+	Unknown
6/10-6/11	Flooding	United Kingdom	0	20,000+	450+ million
6/11	Severe Weather	Italy	0	Hundreds+	12.6+ million
6/23-6/24	Flooding	United Kingdom	1+	48,000+	800+ million
6/30-7/8	Severe Weather	Central Europe	9+	Hundreds+	25+ million
7/7	Flooding	Russia	171+	7,000+	280+ million
7/11	Severe Weather	Slovenia	0	Thousands+	5.0+ million
7/14	Severe Weather	Poland	1+	100+	5.9+ million
7/19	Severe Weather	Georgia	0	20,000+	91+ million
7/22-7/27	Wildfire	Spain, Greece	4+	Unknown	Unknown
8/10-8/31	Wildfires	Spain, France, Croatia, Greece	3+	Unknown	Unknown
8/13	Severe Weather	Ukraine	0	Hundreds+	Unknown
9/9	Winter Weather	Iceland	0	Hundreds+	2.43+ million
9/24-9/25	Flooding	United Kingdom	3+	570+	81+ million
9/27-9/29	Flooding	Spain	10+	19,500+	200+ million
10/7	Flooding	Sweden	0	Hundreds+	Unknown
10/22-10/25	Flooding	Turkey	6+	Hundreds+	Millions+
10/26	Earthquake	Italy	1+	Hundreds+	Unknown
10/27-11/15	Flooding	Italy	0	Thousands+	Millions+

Africa

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
1/16-1/17	Flooding	Mozambique, South Africa	10+	5,000+	Unknown
1/20-1/26	CY Funso	Mozambique, Malawi	40+	10,000+	100+ million
2/13	Severe Weather	Nigeria	15+	3,000+	1.0+ million
2/14	CY Giovanna	Madagascar	35+	50,000+	100+ million
2/26-3/7	CY Irina	Madagascar, Mozambique	84+	35,000+	Millions+
4/12	Flooding	Rwanda	5+	2,232+	Unknown
4/20-4/28	Flooding	Comoros	0	9,338+	3.8+ million
4/24-5/15	Flooding	Kenya	50+	50,000+	130+ million
6/23-6/25	Flooding	Uganda	30+	100+	Unknown
7/22-10/31	Flooding	Nigeria	363+	500,000+	636+ million
8/1-8/10	Flooding	Chad	0	15,000+	20+ million
8/1-8/12	Flooding	Sudan	35+	30,000+	Unknown
8/1-8/31	Flooding	Niger	91+	50,000+	1.3+ million

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
8/11-8/12	Flooding	Nigeria	431+	150,000+	636+ million
8/15-8/31	Flooding	Senegal	19+	Thousands+	10+ million
8/25-8/31	Flooding	Cameroon	15+	22,000+	Millions+
9/1-10/31	Flooding	Benin	4+	12,000+	Unknown
9/27-9/28	Flooding	Somalia	20+	3,500+	Unknown
10/20-10/22	Severe Weather	South Africa	13+	25,000+	200+ million

Asia

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
1/1-1/31	Winter Weather	Japan	56+	Thousands+	Millions+
1/1-2/7	Winter Weather	China	0	10,000+	2.1+ million
1/5	Landslide	Philippines	42+	100+	Unknown
1/5	Severe Weather	Indonesia	0	500+	30+ million
1/8	Earthquake	China	0	9,000+	Unknown
1/16-1/17	Winter Weather	Afghanistan	46+	Unknown	Unknown
1/21	Earthquake	Indonesia	0	450+	1.3+ million
1/21-1/24	Winter Weather	China	0	1,000+	4.4+ million
1/25	Severe Weather	Indonesia	14+	2,000+	1.0+ million
2/6	Earthquake	Philippines	116+	53,000+	250+ million
2/7-2/9	Winter Weather	China	0	10,000+	20.2+ million
2/15-2/16	Winter Weather	China	0	1,000+	4.0+ million
2/18	Landslide	India	6+	Unknown	Unknown
2/19	Flooding	Philippines	0	5,000+	Unknown
2/22	Winter Weather	India	16+	Unknown	Unknown
2/25	Severe Weather	Indonesia	5+	100+	Unknown
3/4	Winter Weather	Afghanistan	50+	100+	Unknown
3/9	Earthquake	China	0	20,000+	82.7+ million
3/12	Winter Weather	Afghanistan	45+	50+	Unknown
3/15-3/18	Severe Weather	Thailand	0	200+	Unknown
3/16-3/20	Severe Weather	Indonesia	0	12,000+	Unknown
3/17	Flooding	China	0	578+	32+ million
3/20	Flooding	India	3+	15,862+	1.0+ million
3/27	Flooding	Philippines	11+	10,000+	2.1+ million
4/1	Severe Weather	Sri Lanka	0	1,200+	Unknown
4/1	TY Pakhar	Vietnam	2+	5,000+	Unknown
4/3-4/5	Severe Weather	Japan	4+	Hundreds+	Unknown
4/5	Severe Weather	China	0	20,000+	120+ million
4/11-4/18	Flooding	Saudi Arabia, Oman	18+	Thousands+	Millions+
4/20-4/25	Severe Weather	China	12+	25,400+	84+ million
4/20-4/25	Severe Weather	Vietnam	2+	4,780+	5.0+ million
4/22	Flooding	Afghanistan	16+	1,140+	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
4/23-4/29	Flooding	Kyrgyzstan	0	2,500+	Unknown
4/28-5/15	Severe Weather	China	102+	143,000+	2.68+ billion
5/5	Flooding	Nepal	60+	1,000+	Unknown
5/6	Severe Weather	Japan	3+	1,904+	Millions+
5/6-5/11	Flooding	Afghanistan	47+	1,000+	Unknown
5/9	Flooding	Indonesia	5+	200+	Unknown
5/19	Flooding	Afghanistan	19+	Unknown	Unknown
5/20-5/24	Flooding	China	16+	19,300+	378+ million
5/27-5/30	Flooding	China	7+	16,000+	119+ million
6/1-6/3	Flooding	Philippines	3+	Unknown	Unknown
6/3-6/5	Flooding	Thailand	3+	5,000+	1.0+ million
6/5-6/12	Flooding	Taiwan	6+	7,000+	16.9+ million
6/8-6/12	Flooding	China	23+	53,000+	393+ million
6/11	Earthquake	Afghanistan	71+	50+	Unknown
6/12	Earthquake	China	0	1,900+	1.1+ million
6/12-6/13	Flooding	Philippines	13+	283+	Unknown
6/15-6/19	STY Guchol	Japan, Philippines	2+	1,000+	100+ million
6/18-6/20	Severe Weather	China	0	200+	82+ million
6/20-6/24	Severe Weather	China	5+	4,500+	124+ million
6/20-6/29	Flooding	China	50+	123,000+	2.73+ billion
6/22	Flooding	Afghanistan	37+	500+	Unknown
6/23-7/1	Flooding	India, Bangladesh	232+	600,000+	90+ million
6/24	Earthquake	China	4+	88,000+	300+ million
6/28-7/10	Flooding	China	70+	188,400+	1.19+ billion
6/30	Earthquake	China	0	71,500+	Millions+
7/3-7/5	Flooding	Japan	1+	460+	Millions+
7/11-7/16	Flooding	Japan	30+	16,045+	Millions+
7/11-7/17	Flooding	China	30+	76,000+	600+ million
7/18-7/31	Flooding	North Korea	119+	17,030+	Unknown
7/19	Flooding	Nepal	0	2,030+	Unknown
7/20-7/24	Flooding	China	149+	175,000+	4.8+ billion
7/24	Flooding	Indonesia	8+	125+	Unknown
7/24	TY Vicente	China, Vietnam	18+	13,000+	329+ million
7/27-8/2	Flooding	China	76+	36,000+	1.69+ billion
7/29-8/3	TY Saola	China, Philippines, Taiwan	82+	25,000+	161+ million
7/31	Flooding	Indonesia	8+	754+	Unknown
8/1-8/3	TY Damrey	China	14+	300,000+	3.28+ billion
8/3-8/9	Flooding	India	34+	Thousands+	110+ million
8/5-8/8	Flooding	Philippines	109+	12,962+	239+ million
8/7-8/9	TY Haikui	China	6+	48,250+	2.04+ billion
8/11	Earthquake	Iran	306+	50,000+	600+ million
8/15-8/18	TY Kai-tak	Philippines, China, Vietnam	40+	33,635+	272+ million
8/15-9/30	Flooding	Thailand	0	88,438+	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
8/18	Earthquake	Indonesia	6+	1,108+	Unknown
8/21-8/23	Flooding	India	27+	7,500+	Unknown
8/21-10/31	Flooding	Pakistan	451+	465,424+	2.64+ billion
8/23-8/30	TY Tembin	Taiwan, Korea	2+	Hundreds+	6.7+ million
8/25-8/28	STY Bolaven	Korea, Japan	68+	15,000+	450+ million
8/28-8/30	Flooding	India	26+	1,892+	16+ million
8/29-8/30	Flooding	China	0	35,000+	4.63+ billion
8/31	Earthquake	Philippines	1+	300+	Unknown
8/31-9/6	Flooding	China	5+	38,700+	151+ million
9/4-9/11	Flooding	Vietnam	32+	10,180+	22+ million
9/7	Earthquake	China	81+	452,700+	1.15+ billion
9/7-9/13	Flooding	China	21+	100,000+	4.92+ billion
9/11	Earthquake	China	0	17,200+	17+ million
9/14	Flooding	India	47+	500+	20+ million
9/14	Earthquake	China	0	1,600+	127+ million
9/15-9/17	STY Sanba	South Korea, Japan	2+	6,000+	361+ million
9/17-9/26	Flooding	Cambodia	14+	14,300+	Unknown
9/21-9/28	Flooding	India, Bangladesh	56+	475,000+	34.2+ million
9/23	Winter Weather	Nepal	8+	Unknown	Unknown
9/29-9/30	STY Jelawat	Japan	2+	6,015+	27.4+ million
10/4	Landslide	China	19+	Unknown	Unknown
10/10	Severe Weather	Bangladesh	36+	23,380+	Unknown
10/21	Flooding	Indonesia	0	500+	Unknown
10/24-10/29	TY Son-tinh	Philippines, Vietnam, China	36+	63,774+	537+ million
10/29-10/31	TS Nilam	India, Sri Lanka	75+	50,000+	57+ million

Oceania (Australia, New Zealand and the South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Total Damage (USD)
1/12	TC Heidi	Australia (WA)	0	Unknown	Unknown
1/22-1/31	Flooding	Fiji	7+	Thousands+	17+ million
1/24	Landslide	Papua New Guinea	40+	Unknown	Unknown
1/24-2/15	Flooding	Australia (NSW, QLD)	1+	6,408+	920+ million
2/24-3/16	Flooding	Australia (NSW, VIC)	2+	8,914+	1.58+ billion
3/3	Severe Weather	New Zealand	0	1,250+	7.5+ million
3/17	CY Lua	Australia (WA)	0	Hundreds+	230+ million
3/20	Severe Weather	Australia (QLD)	0	150+	21+ million
3/29-4/3	Flooding	Fiji	7+	15,000+	71.3+ million
6/3-6/6	Severe Weather	Australia (NSW, VIC)	0	1,500+	Unknown
6/10-6/12	Severe Weather	Australia (WA)	1+	450+	Millions+
6/19	Earthquake	Australia (VIC)	0	880+	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. Total damage estimates indicate the overall economic losses. Any available insured loss estimates are included within this total and can be found in the corresponding event text.

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