



Global Catastrophe Recap

July 2016

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Executive Summary

- Extensive flooding across China leads to USD33 billion economic loss; highest cost since 1998
- Global severe convective storms leave insurers with USD1.3+ billion claims bill
- Super Typhoon Nepartak leaves USD1.5 billion trail of damage in China and Taiwan

Much of China endured substantial seasonal “Mei-Yu” rainfall during the month of July that led to a dramatic worsening of flooding along the Yangtze River Basin and in the country’s northeast. Nearly 20 provincial regions were impacted by floods that have been ongoing in some areas since May. Among the hardest-hit areas came in Anhui, Hubei, Jiangxi, Chongqing, Beijing, and Hebei provinces. Data from China’s Ministry of Civil Affairs indicated that a combined 764 people were left dead or missing, and that more than 800,000 homes and other structures were damaged or destroyed. Considerable damage to the agricultural sector was also prevalent with an estimated 18 million acres of cropland damaged by floodwater. Total combined economic losses were estimated at USD33 billion, with at least USD28 billion occurring in the Yangtze River Basin. The China Insurance Regulatory Commission cited claims payouts representing less than 2.0 percent of the economic cost, with most of the claims from lost agriculture.

Monsoon rains also led to extensive flood damage elsewhere in Asia. More than 230 people were left dead or missing in India, Nepal, Pakistan, Indonesia and Afghanistan as tens of thousands of homes were destroyed.

The United States recorded no fewer than six separate outbreaks of severe convective storms and flash flooding during the month. Almost all of the severe weather occurred in an area from the Rockies to the East Coast as multiple storm systems tracked eastward. Many of the storms were spawned by an extended period of very hot and humid conditions that led to a “Ring of Fire” thunderstorm pattern. Total combined economic losses were minimally estimated at USD1.5 billion. Public and private insurers were anticipated to record losses nearing USD1.0 billion.

The active weather pattern that impacted the U.S. also contributed to elevated thunderstorm and flood activity in Canada. At least six individual outbreaks of storms led to considerable damage in parts of the provinces of Alberta, Saskatchewan, Manitoba, Ontario, and Quebec. Total combined economic and insured losses were expected to well exceed USD100 million once all assessments are completed.

Severe thunderstorms and flash flooding left considerable damage across parts of South Africa, killing at least seven people. The local insurance industry anticipated insured losses exceeding ZAR2.0 billion (USD145 million). Overall economic losses were much higher.

Super Typhoon Nepartak claimed 82 lives as it made separate landfalls in Taiwan and China. Though not officially coming ashore, its outer bands lashed northern portions of the Philippines. The heaviest damage was noted in Taiwan and China, where at least 38,000 homes were damaged or destroyed. Combined economic losses were at least USD1.5 billion.

Tropical Storm Mirinae made separate landfalls in southern China and northern Vietnam, leaving at least five people dead or missing. The storm left more than 2,000 homes and 110,000 hectares (272,000 acres) of cropland damaged or destroyed. Total combined economic losses were listed at USD20 million.

The Sand Fire was ignited in California, charring more than 41,432 acres (16,770 hectares) of land. Two people were killed as the fire damaged or destroyed more than 140 homes and other structures.

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
07/04-07/07	Severe Weather	Plains, Midwest, Mid-Atlantic, Southeast	0	20,000+	200+ million
07/07-07/09	Severe Weather	Rockies, Midwest, Southeast	0	40,000+	375+ million
07/13-07/15	Severe Weather	Rockies, Plains, Midwest, Southeast	7	50,000+	450+ million
07/20-07/21	Severe Weather	Midwest	0	Thousands	Millions
07/22-08/01	Wildfire	California	2	140+	50+ million
07/28-07/29	Severe Weather	Rockies, Plains	0	Thousands	100+ million
07/30-08/01	Flooding	Mid-Atlantic, Northeast	2	Thousands	100s of Millions

A multi-day outbreak of severe weather swept through parts of the Central U.S. from July 4-7, causing major damage to property and injuring several people. The hardest-hit areas included parts of the Plains, Midwest, Mid-Atlantic and the Southeast as multiple rounds of powerful thunderstorms prompted up to baseball-sized hail and straight-line winds gusting in excess of 80 mph (130 kph). The Minneapolis-St. Paul, Minnesota metro region was particularly impacted. Total economic losses were listed at USD200 million; while public and private insurers noted losses around USD125 million.

Severe weather left damage across parts of the Rockies, Midwest, and Midwest from July 7-9, causing extensive damage in multiple states. Most of the damage to homes, businesses and vehicles was incurred by up to golf ball-sized hail. Among the hardest-hit areas came in the state of Colorado, where the communities of Castle Rock and Pueblo reported severe damage. Kansas, Michigan, Tennessee and parts of the Carolinas were also impacted. Total economic losses were estimated at USD375 million. Public and private insurance losses were expected to top USD275 million.

A slow-moving upper level low prompted additional convection and isolated flooding in the Rockies, Plains, Midwest and Southeast from July 13-15, leaving at least seven people dead. Damage resulting from hail, straight-line winds and tornadoes was noted from Colorado to Illinois. The greatest concentration of storm damage occurred in parts of Oklahoma and Colorado as winds gusted in excess of 80 mph (130 kph) and near tennis ball-sized hail struck multiple cities. Flooding rains were also reported in Wisconsin and Minnesota. Total economic losses were estimated at USD450 million; while public and private insurers anticipated losses exceeding USD325 million.

The combination of exceptional heat and plentiful moisture led to major thunderstorms in the Upper Midwest on July 20-21. The most significant impacts occurred in parts of Minnesota, where up to egg-size hail and winds gusting to 80 mph (130 kph) left widespread residential, commercial and automobile damage. Downed trees and power lines were a main cause of damage. Additional damage was noted in Wisconsin. Total economic and insured losses were expected to reach well into the millions (USD).

The Sand Fire was ignited in California's Los Angeles County on July 22, charring 41,432 acres (16,770 hectares) of land. At least two people were killed as the fire damaged or destroyed more than 140 homes and structures. Total combined damage and firefighting costs were estimated at USD50 million.

Powerful thunderstorms swept across parts of the Rockies and Plains on July 28-29, causing extensive damage in multiple communities. The hardest-hit areas came in Colorado, where greater than golf ball-sized hail struck the Colorado Springs metro area. Hail accumulations up to 1.0 feet (0.3 meters) were noted in some spots. Torrential rains also led to flash flooding. Similar storm damage was reported in

Wyoming, Kansas, Nebraska and South Dakota. Total economic and insured losses were each expected to exceed USD100 million.

Slow-moving thunderstorms led to catastrophic flash flooding across parts of the Mid-Atlantic and Northeast from July 30 to August 1, leaving at least two people dead. The most substantial damage occurred in Ellicott City, Maryland, where nearly 6.00 inches (152 millimeters) of rain fell in just two hours' time. This equalled a 1-in-1,000-year rainfall return period. Extensive damage was noted in the city's historic downtown area. Additional flood and storm damage was noted in New Jersey, New York, Pennsylvania, and Virginia. Total economic losses were minimally estimated in the hundreds of millions (USD). Given low NFIP coverage in Ellicott City, the insured loss was expected to be much less than the economic cost.

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
07/08	Severe Weather	Canada	0	Thousands	10s of millions
07/08-07/11	Severe Weather	Canada	0	Thousands	10s of millions
07/15-07/16	Severe Weather	Canada	0	Thousands	10s of millions
07/18-07/20	Severe Weather	Canada	0	Thousands	10s of millions
07/27	Severe Weather	Canada	0	Thousands	10s of millions
07/30-08/01	Severe Weather	Canada	0	Thousands	10s of millions

Severe weather left widespread damage to property, vehicles, and crops on July 8 as up to golf ball-sized hail and straight-line winds were reported across southern Ontario, Canada. More than 39,000 customers were without power due to strong winds toppling trees and power lines. Localized areas of flooding were also reported. Total economic and insured losses were expected to reach well into the millions (USD).

Powerful thunderstorms and torrential rainfall led to property damage throughout portions of Canada's Alberta, Saskatchewan and Manitoba provinces from July 8-11. Some of the worst storm damage was noted in the greater Calgary and Edmonton metro areas and in Estevan, Saskatchewan. A local state of emergency was declared in the towns of Estevan, Arborfield, and Carrot River. Most of the storm damage in Manitoba was attributed to fallen trees and power lines due to straight-line winds. Total economic and insured losses were expected to reach well into the millions (USD).

Inclement weather prompted flooding rainfall and large hail across Canada's Alberta and Saskatchewan provinces on July 15-16 that led to major damage in some areas. The highest concentration of damage was noted in the greater Calgary and Arbour Lake areas of Alberta, where windows and siding was smashed by up to tennis ball-sized hail. Flooding was reported in Saskatchewan's Swift Current. Total economic and insured losses were expected to reach well into the millions (USD).

Additional thunderstorms impacted Canada's Southern Prairies from July 18-20 as large hail and damaging winds struck parts of Alberta, Saskatchewan and Manitoba. Most of the property damage was a result of shattered windows or fallen trees onto homes, businesses and vehicles. Some parts of the greater Calgary metro area noted isolated flooding. Total economic and insured losses were expected to reach well into the millions (USD).

The combination of very hot daytime temperatures and abundant moisture led to widespread severe weather in parts of Canada's Ontario and Quebec provinces on July 27. Both the Toronto and Quebec

City metro regions were inundated by up to baseball-sized hail and flash flooding. Thousands of properties and vehicles sustained varying levels of storm damage. Total economic and insured losses were expected to reach well into the millions (USD).

Severe thunderstorms led to widespread damage in Canada's Prairie Provinces from July 30 to August 1. The most considerable impacts were noted in the provinces of Alberta, Saskatchewan and Manitoba primarily as a result of large hail. Thousands of homes, businesses and automobiles incurred shattered windows or dented siding. Isolated flooding was also reported, including in Fort McMurray. Total economic and insured losses were expected to reach well into the millions (USD).

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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There were no major natural disaster events in South America during the month of July.

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
07/22	Flooding	Luxembourg	0	Thousands	50+ million

Excessive rains fell in Luxembourg on July 22, prompting the government to declare a state of emergency. The hardest-hit areas included Cruchten, Larochette, Eppeldorf, Ermsdorf, and Reisdorf, where a high volume of homes, businesses and vehicles incurred flood inundation. Total economic losses were expected to exceed EUR45 million (USD50 million). The local insurance industry anticipated claims topping EUR10 million (USD11 million).

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/01-07/31	Flooding	Niger	11	2,000+	Unknown
07/13-07/15	Flooding	Sudan	13	2,000+	Unknown
07/27	Severe Weather	South Africa	7	Thousands	250+ million

Seasonal rains prompted flooding across parts of Niger during June and July, leading to the deaths of at least 11 people. The United Nations reported that more than 30,000 people were affected by overflowing rivers that destroyed nearly 2,000 homes. Agriculture damage was significant as cropland was submerged and roughly 20,000 cattle perished.

Torrential rains led to extensive flooding across parts of southern Sudan from July 13-15, killing at least 13 people. More than 2,000 homes and other structures were damaged or destroyed in the hardest-hit states of Shamal Darfur and Kassala. Most of the damage occurred as a result of flash flooding and rivers overflowing their banks.

Severe thunderstorms and flash flooding left considerable damage across parts of South Africa on July 27, killing at least seven people. The hardest-hit areas were Western Cape and KwaZulu-Natal as large hail and high winds pelted thousands of homes, businesses, structures and vehicles. Flash floods additionally inundated a wide swath as well. The local insurance industry anticipated insured losses exceeding ZAR2.0 billion (USD145 million). Overall economic losses were much higher.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
05/01-08/01	Flooding	China	475+	500,000+	28+ billion
06/30-07/05	Flooding	Nepal	25	172	Unknown
07/01-07/03	Severe Weather	China	0	0	117+ million
07/01-07/06	Flooding	India	62	Unknown	Unknown
07/02-07/03	Flooding	Pakistan	46	100+	Unknown
07/08-07/09	STY Nepartak	Philippines, Taiwan, China	111	38,000+	1.5+ billion
07/08-07/11	Severe Weather	China	4	5,700+	41+ million
07/09-07/17	Flooding	India	44	19,600+	Unknown
07/16-07/24	Flooding	China	289+	300,000+	5.0+ billion
07/19	Flooding	Afghanistan	17	Unknown	Unknown
07/21-07/27	Flooding	Nepal	66	Thousands	Unknown
07/24	Flooding	Indonesia	4	2,600+	Unknown
07/24	Severe Weather	China	4	9,700+	50+ million
07/27-07/28	TS Mirinae	China, Vietnam	5	2,000+	20+ million

The worst flooding along the Yangtze River Basin in decades worsened during the month of July in China. Excessive seasonal 'Mei-Yu' rainfall led to extensive river flooding throughout many provincial regions including Anhui, Zhejiang, Fujian, Jiangxi, Hubei, Hunan, Guangxi, Chongqing, Sichuan, Guizhou, and Yunnan. At least 475 people were left dead or missing. Data from China's Ministry of Civil Affairs (MCA) indicated that more than 500,000 homes were damaged or destroyed by flood inundation. The agricultural sector was severely impacted following more than 6.0 million hectares (15 million acres) of cropland submerged. Total aggregated economic losses in the Yangtze basin were listed at CNY186 billion (USD28 billion). The China Insurance Regulatory Commission cited claims payouts representing less than 2.0 percent of the economic cost, with most of the claims from lost agriculture.

At least 25 people were killed and 23 others were injured throughout Nepal following heavy rainfall from June 29 to July 5. Rain-triggered landslides were reported in Rapti and Gorkha districts; while river flooding occurred elsewhere in the country after numerous rivers including the Adhikhola, Jyagdikhola, and Kaligandagi burst their banks. Heavy damage was reported in Malakarjun, Kakada, Sarmoli, Bhagawati, and Uku villages where thousands of homes were inundated.

China's Hebei, Shanxi, Inner Mongolia, Shaanxi, and Gansu provinces were struck by powerful thunderstorms from July 1-3. Up to quarter-sized hail left extensive agricultural damage, with a total of 21,600 hectares (53,375 acres) of crops affected. The MCA listed economic losses at CNY777 million (USD117 million).

More than 88,000 people were affected by flooding in India's Assam state during the first week of July. Uttarakhand, Manipur, and Arunchal Pradesh states were also affected as torrential monsoon downpours triggered floods. The death toll reached 62. In Assam, almost 6,100 hectares (15,075 acres) of crops were damaged as the Brahmaputra River overflowed. Jorhat, in Assam, and Imphal and Churachandpur, both in Manipur, were amongst the worst affected urban areas. Power, telecommunications, and water supplies were disrupted while landslides blocked roads and damaged infrastructure.

Flash floods claimed 46 lives in northern Pakistan on July 2-3 following severe downpours in Khyber Pakhtunkhwa (KP) province. Forty-two of the victims were from Ursoon, Chitral District. A total of 82 homes in the village were affected by flooding, including 35 that were completely destroyed, along with a mosque and army post. Power and water supply infrastructure was also heavily damaged.

Super Typhoon Nepartak claimed 82 lives as it made landfalls in Taiwan (July 8) and China (July 9) while its outer bands lashed northern portions of the Philippines. Extensive damage to properties and agricultural interests were reported throughout southern Taiwan and in China's Fujian province. At least 38,000 homes were damaged or destroyed. Combined economic losses were at least USD1.5 billion.

Powerful convective storms impacted four provinces in northwestern China from July 8-11. Large hail and torrential downpours claimed four lives and caused widespread damage to agricultural interests in Shaanxi, Gansu, Qinghai, and Ningxia Hui provinces. A total of 200 homes were destroyed and a further 5,500 incurred damage. Approximately 12,300 hectares (30,395 acres) of crops were affected of which 1,600 hectares (3,955 acres) were destroyed. The MCA listed aggregated economic losses at CNY275 million (USD41 million).

At least 44 people died in Madhya Pradesh, India, from July 9-17 while approximately 8,000 more were rendered homeless due to flooding induced by torrential monsoon downpours. Severe flooding was reported in Bhopal, Hoshangabad, Rewa, and Sagar districts. Approximately 2,360 homes were destroyed and a further 17,236 were damaged. Floodwaters reached depths of two meters (six feet) in several localities.

Substantial rainfall fell throughout northern sections of China from July 16-24, leaving at least 289 people dead or missing. The hardest-hit provincial areas included Beijing, Hebei, Henan, Shanxi, Tianjin, and Shandong as rivers overflowed their banks and inundated vast areas of land. The MCA reported that more than 300,000 homes were damaged or destroyed and as many as 1.2 million hectares (3.0 million acres) of cropland was submerged. Total economic losses were listed at CNY33 billion (USD5.0 billion).

Torrential downpours in Khost City on July 19 claimed at least 17 lives. Worst affected were Yaqubi and Haroonkhel districts which were inundated following the rain. At least two passenger vehicles were swept away. Elsewhere in the province, damage to homes was reported in Zazai Maidan district.

Seasonal rains led to extensive flooding across Nepal from July 21-27, leaving at least 66 people dead or missing. The floods caused damage to thousands of homes in some of the worst hit areas in the country's Midwestern, Western and Eastern districts.

Heavy rains inundated approximately 2,600 homes were inundated on Indonesia's Java Island on July 24 as heavy rainfall prompted flooding that coincided with high tide. At least four people died in Pandeglang district.

Powerful thunderstorms caused widespread damage in northwest China on July 24, killing four people. The provinces of Inner Mongolia, Shanxi, Hebei, Liaoning, Jilin, and Heilongjiang provinces were all affected nearly 10,000 homes were damaged or destroyed. Roughly 35,000 hectares (86,485 acres) of cropland was also impacted. The MCA listed economic losses at CNY326 million (USD49 million).

Tropical Storm Mirinae made separate landfalls in southern China and northern Vietnam on July 27-28, leaving at least five people dead or missing. The storm left more than 2,000 homes damaged or destroyed, though the most major impacts came to agriculture. As much as 110,000 hectares (272,000 acres) of cropland was submerged. Total combined economic losses were listed at USD20 million.

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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There were no major natural disaster events in Oceania during the month of July.

Appendix

Updated 2016 Data: January-June

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/04-01/08	Flooding	California	0	10,000+	125+ million
01/09	Severe Weather	Florida	0	200+	10+ million
01/17	Severe Weather	Florida	2	200+	20+ million
01/21-01/24	Winter Weather	Mid-Atlantic, Northeast, Southeast	58	25,000+	1.0+ billion
01/24	Earthquake	Alaska	0	Hundreds	Unknown
01/31-02/01	Severe Weather	California	0	12,500+	175+ million
02/08-02/09	Winter Weather	Northeast, Mid-Atlantic	0	Hundreds	25+ million
02/13	Earthquake	Oklahoma	0	Hundreds	Unknown
02/13-02/16	Winter Weather	Northeast, Midwest, Southeast	6	20,000+	700+ million
02/19-02/20	Severe Weather	Midwest	0	25,000+	250+ million
02/22-02/25	Severe Weather	Plains, Midwest, Southeast, Northeast	10	100,000+	1.2+ billion
02/29-03/01	Severe Weather	Plains, Southeast	0	Hundreds	Millions
03/04-03/12	Severe Weather	Plains, Southeast, Midwest, West	6	60,000+	1.25+ billion
03/13-03/14	Severe Weather	Plains, Midwest, Southeast	0	10,000+	175+ million
03/13-03/15	Severe Weather	West, Midwest, Plains	1	17,500+	175+ million
03/17-03/18	Severe Weather	Plains, Southeast	0	135,000+	1.3+ billion
03/22-03/25	Severe Weather	Rockies, Plains, Southeast, Midwest	0	175,000+	2.2+ billion
03/26-03/27	Severe Weather	Midwest, Southeast	0	10,000+	75+ million
03/30-04/01	Severe Weather	Plains, Southeast, Midwest	0	20,000+	200+ million
04/02-04/04	Severe Weather	Midwest, Mid-Atlantic, Northeast	2	60,000+	475+ million
04/06-04/07	Severe Weather	Southeast, Midwest	0	Thousands	Millions
04/10-04/13	Severe Weather	Plains, Southeast	1	350,000+	3.75+ billion
04/15-04/19	Flooding	Plains, Rockies	9	25,000+	1.0+ billion
04/24-04/28	Severe Weather	Plains, Midwest, Southeast, Mid-Atlantic	1	110,000+	800+ million
04/29-05/03	Severe Weather	Plains, Midwest, Southeast, Mid-Atlantic	6	150,000+	1.6+ billion
05/07-05/10	Severe Weather	Plains, Midwest, Mississippi Valley	2	90,000+	900+ million
05/10-05/12	Severe Weather	Plains, Midwest	0	90,000+	850+ million
05/16-05/17	Severe Weather	Texas, Oklahoma	0	17,000+	175+ million
05/21-05/28	Severe Weather	Plains, Midwest	1	95,000+	1.1+ billion
05/28-05/30	TS Bonnie	Southeast	0	Hundreds	Millions
05/29-06/02	Severe Weather	Plains	12	25,000+	275+ million
06/06-06/07	Severe Weather	Colorado	0	15,000+	175+ million
06/06-06/07	TS Colin	Florida, Carolinas	0	Hundreds	Millions
06/16-06/18	Severe Weather	Mid-Atlantic, Southeast, Northeast	0	20,000+	275+ million
06/16-06/18	Severe Weather	Plains, Midwest	0	Thousands	100+ million
06/22-06/26	Severe Weather	Mid-Atlantic, Midwest	23	5,500+	100s of Millions
06/23-07/05	Wildfire	California	2	Hundreds	100+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/27-06/29	Severe Weather	Rockies, Plains	0	Thousands	Millions

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-02/29	Drought	Haiti	0	Unknown	84+ million
02/23-02/25	Winter Weather	Canada	0	Thousands	Millions
02/28	Flooding	Haiti	5	10,000+	Unknown
03/09-03/10	Severe Weather	Canada	1	Thousands	Millions
03/13	Severe Weather	Canada	0	Thousands	Millions
03/24-03/25	Winter Weather	Canada	0	Thousands	100+ million
04/23-04/24	Flooding	Haiti	6	4,400+	Unknown
04/27-05/01	Flooding	Haiti, Dominican Republic	1	2,500+	Millions
05/02-06/01	Wildfire	Canada	0	20,000+	5.0+ billion
05/07-05/08	Flooding	Haiti, Dominican Republic	5	890+	Unknown
05/26-05/31	Flooding	Haiti	1	2,901+	Unknown
06/09	Earthquake	Nicaragua, Honduras	0	3,200+	Unknown
06/24-06/25	Severe Weather	Canada	0	Thousands	50+ million
06/28-06/30	Severe Weather	Canada	0	Thousands	50+ million

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/25	Flooding	Ecuador	9	2,000+	10+ million
01/09-01/15	Flooding	Brazil	3	25,000+	100+ million
02/20-02/25	Flooding	Peru	1	2,000+	Millions
03/10-03/11	Flooding	Brazil	30	5,000+	100+ million
04/10-04/14	Flooding	Argentina, Uruguay	0	7,500+	1.3+ billion
04/15-04/18	Flooding	Chile	12	5,000+	100+ million
04/15-04/25	Severe Weather	Uruguay	10	5,000+	25+ million
04/16	Earthquake	Ecuador	660	10,000+	3.0+ billion
05/18	Earthquake	Ecuador	1	Hundreds	Unknown

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/08	Winter Weather	Central & Northern Europe	21	Unknown	Unknown
01/12-01/14	Winter Weather	Central & Northern Europe	3	Hundreds	Millions
01/25	Earthquake	Spain, Morocco	1	Hundreds	13+ million
01/29-01/30	WS Marita	UK, Scandinavia	0	Thousands	275+ million
02/01-02/02	WS Norkys	United Kingdom	0	Thousands	75+ million
02/08	WS Ruzica	UK, France, Scandinavia	0	Thousands	275+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
02/27-02/28	Severe Weather	Italy	6	Thousands	Millions
03/06-03/08	Flooding	Serbia, Croatia, Montenegro	0	2,000+	100+ million
03/09-03/10	Flooding	United Kingdom	0	1,000+	Millions
03/27-03/29	WS Jeanne	UK, Scandinavia	1	Thousands	300+ million
04/08-04/15	Flooding	Saudi Arabia, Yemen, Oman	47	Thousands	Millions
04/16-04/22	Flooding	Russia	0	8,000+	Millions
05/26-06/06	Flooding	Germany, France, Austria, Poland	17	250,000+	5.5+ billion
06/04-06/06	Severe Weather	Russia	0	2,732+	Unknown
06/23-06/24	Severe Weather	Netherlands	0	Thousands	1.1+ billion

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/10	Heatwave	South Africa	11	Unknown	Unknown
01/01-03/01	Drought	South Africa	0	Unknown	250+ million
01/01-02/01	Flooding	Burundi	52	5,100+	13+ million
01/01-03/01	Drought	Zimbabwe	0	Unknown	1.6+ billion
02/29	Flooding	Angola	54	Thousands	Unknown
03/06-03/09	Flooding	Angola	6	551+	Unknown
03/10	Flooding	Kenya	3	1,000+	Unknown
04/02-04/07	Flooding	Ethiopia	28	1,000+	Unknown
04/06-04/11	Flooding	Somalia, Malawi	19	10,000+	Millions
04/13-04/17	Flooding	Uganda	0	5,000+	2.7+ million
04/16-04/22	Flooding	Angola	19	2,500+	Unknown
04/29-05/02	Flooding	Kenya	39	2,000+	Unknown
05/07-05/08	Landslide	Rwanda	50	500+	Unknown
05/09	Landslide	Ethiopia	100	Unknown	Unknown
06/13	Flooding	Ghana	10	Unknown	Unknown

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-06/30	Drought	India	0	Unknown	5.0+ billion
01/01-06/30	Drought	Vietnam	0	Unknown	675+ million
01/01-06/30	Drought	Thailand	0	Unknown	285+ million
01/03	Earthquake	India	22	1,000+	75+ million
01/21	Earthquake	China	0	2,200+	15+ million
01/20-01/26	Winter Weather	China, Taiwan, Korea, Japan, Thailand	116	25,000+	2.0+ billion
01/26-01/29	Flooding	China	11	1,000+	20+ million
02/03	Winter Weather	India	10	Unknown	Unknown
02/05-02/09	Flooding	Indonesia	6	4,000+	Millions
02/06	Earthquake	Taiwan	117	Thousands	750+ million
02/18-02/19	Severe Weather	China	0	1,600+	62+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
02/19-02/24	Flooding	Indonesia, Malaysia	1	7,200+	Millions
02/21-02/26	Winter Weather	China	0	1,000+	15+ million
03/03-03/09	Severe Weather	China	0	4,000+	315+ million
03/07-03/08	Flooding	Indonesia	6	3,500+	Unknown
03/07-03/11	Winter Weather	China	0	1,000+	140+ million
03/09	Severe Weather	United Arab Emirates, Oman	0	10,000+	500+ million
03/09-03/29	Flooding	Pakistan	141	1,058+	Millions
03/13	Flooding	Indonesia	5	5,900+	Unknown
03/19-03/22	Severe Weather	China	13	82,000+	170+ million
03/25-03/28	Severe Weather	China	0	2,000+	77+ million
03/26-03/29	Winter Weather	China	0	Unknown	146+ million
04/01-04/08	Flooding	China	10	30,000+	45+ million
04/01-04/30	Heatwave	India	300	Unknown	Unknown
04/02-04/08	Flooding	Pakistan, Afghanistan	152	5,000+	Millions
04/10-04/12	Severe Weather	China	8	22,000+	130+ million
04/13	Earthquake	Myanmar, Bangladesh, India	2	Hundreds	Unknown
04/14 & 04/16	Earthquake	Japan	69	250,000+	30+ billion
04/16-04/17	Flooding	Afghanistan	31	Unknown	Unknown
04/20-04/28	Flooding	China	20	16,000+	97+ million
04/21-04/23	Severe Weather	Myanmar	8	10,000+	Millions
04/22-04/25	Flooding	India	18	Thousands	150+ million
04/24-04/27	Severe Weather	China	0	2,000+	216+ million
02/01-05/02	Wildfires	India, Nepal	18	Unknown	Unknown
04/28-05/03	Flooding	China	3	6,000+	31+ million
04/29-05/03	Severe Weather	Myanmar	18	17,584+	2.6+ million
05/01-05/05	Severe Weather	China	4	31,500+	115+ million
05/04-05/11	Flooding	China	66	79,200+	820+ million
05/09-05/12	Flooding	Tajikistan, Afghanistan	10	2,550+	Unknown
05/12-05/14	Severe Weather	Bangladesh, India, Myanmar	67	Unknown	Unknown
05/13-05/16	Flooding	China	0	2,900	200+ million
05/14-05/15	Severe Weather	China	1	1,300	93+ million
05/14-05/21	CY Roanu	Sri Lanka, Southern Asia	135	125,000+	1.7+ billion
05/18-05/21	Flooding	China	12	14,700+	447+ million
05/19	Severe Weather	China	0	Unknown	91+ million
05/22	Landslide	India	10	Unknown	Unknown
05/22	Landslide	Yemen	20	Unknown	Unknown
05/22	Earthquake	China	0	46,166+	Unknown
05/22-05/23	Winter Weather	China	0	Unknown	61+ million
05/21-05/29	Flooding	China	17	Hundreds	69+ million
05/24-05/30	Severe Weather	China	0	5,000+	354+ million
05/31-06/02	Flooding	China	6	12,800+	403+ million
06/01	Severe Weather	Pakistan	15	Unknown	Unknown
06/02-6/08	Severe Weather	China	12	50,000+	768+ million
06/04-06/07	Flooding	China	0	Thousands	213+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/06-06/16	Severe Weather	China	7	32,100+	822+ million
06/08-06/11	Flooding	Myanmar	12	4,500+	Unknown
06/09-06/16	Flooding	China	25	84,800+	664+ million
06/12	Severe Weather	India	11	Unknown	Unknown
06/16-06/23	Severe Weather	China	102	25,000+	500+ million
06/17-06/21	Flooding	Indonesia	62	2,000+	25+ million
06/18-06/23	Flooding	China	68	55,000+	2.3+ billion
06/20-06/21	Severe Weather	India	93	Unknown	Unknown
06/20-06/21	Flooding	Japan	7	2,000+	Millions
06/23-06/30	Flooding	China	34	50,000+	675+ million
06/25-07/01	Flooding	India	55	Thousands	Millions
06/26-06/29	Severe Weather	China	1	2,000+	165+ million
06/30-07/01	Flooding	Indonesia	0	14,109+	Unknown

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/03-01/05	Flooding	Australia (NSW)	0	Hundreds	Millions
01/06-01/13	Bushfire	Australia (WA)	2	616+	100+ million
01/14	Severe Weather	Australia (NSW)	1	Hundreds	Millions
02/14	Earthquake	New Zealand	0	7,165+	Millions+
02/16-02/22	TC Winston	Fiji, Tonga	44	46,000+	1.0+ billion
03/23-03/24	Flooding	New Zealand	0	Hundreds	Millions
04/04-04/07	CY Zena	Fiji	2	1,000+	Millions
06/04-06/06	Severe Weather	Australia	4	32,000+	250+ million

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 public and private insurance entities 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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