



Global Catastrophe Recap

June 2020

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Executive Summary

- Calgary hailstorm becomes one of Canada’s costliest SCS events on record; U.S. adds to annual toll
- Early season tropical cyclones lead to landfalls of Cristobal (U.S. & Mexico) and Nisarga (India)
- Seasonal monsoon rains lead to flooding in China’s Yangtze River Basin; June damage bill tops \$5B



38°C
100.4°F

Hottest temperature ever recorded above the Arctic Circle; measured on June 20 in Verkhoyansk, Russia



64
mm

Size of hailstones – greater than tennis balls – reported in metro Calgary, Canada on June 13



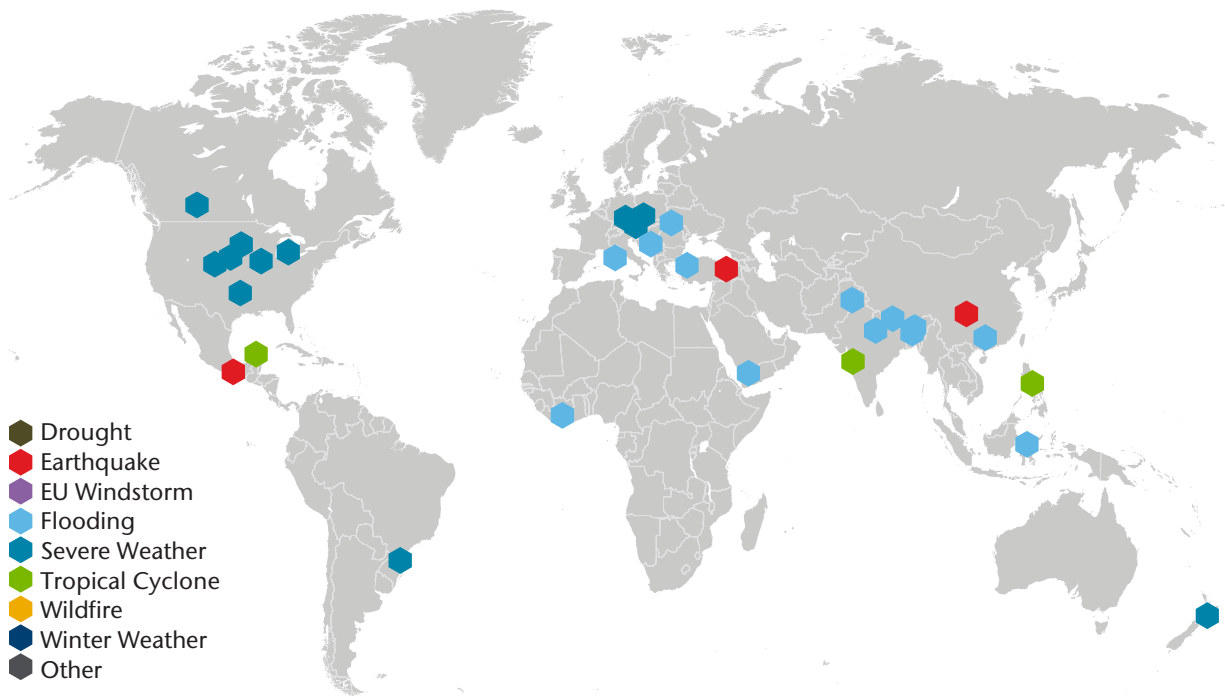
309

Number of river locations within China’s Yangtze River Basin, which overflowed beyond flood stage in June



3rd
earliest

Tropical Storm Dolly became the third-earliest fourth named storm in the Atlantic Ocean since 1851



United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/02-06/04	Severe Weather	Plains, Midwest, Northeast	3	55,000+	550+ million
06/04	Severe Weather	South Dakota	0	30,000+	380+ million
06/05-06/11	Severe Weather	Rockies, Plains, Midwest	0	77,500+	800+ million
06/06-06/11	Tropical Storm Cristobal	Southeast, Mississippi Valley, Midwest	1	20,000+	325+ million
06/10	Severe Weather	Midwest	0	Thousands	Millions
06/19-06/22	Severe Weather	Plains, Midwest, Southeast	0	35,000+	255+ million
06/26-06/27	Severe Weather	Plains, Midwest	0	Hundreds	Millions

Severe weather affected parts of the Plains, Midwest, and Northeast from June 2-4; much of which was associated with a long-lived derecho. Most damage was due to straight-line winds which at times topped 80 mph (130 kph) as it tracked from Minnesota to New Jersey. At least three people were killed. Damage was extensive due to downed trees and power lines onto properties. Some hail-related damage also occurred. Total economic losses neared USD550 million as much of the cost was insured.

A significant hail and wind event impacted South Dakota on June 4. Extensive damage to residential and commercial properties, in addition to vehicles was especially prevalent in downtown Rapid City and neighboring communities. Hail approaching and exceeding 2.5 inches (6.4 centimeters) was confirmed. Total economic losses were at least USD380 million, with three-quarters of the cost covered by insurance.

A prolonged weather pattern spawned a multi-day severe weather outbreak across much of the eastern two-thirds of the U.S. from June 5-11. During this period, numerous waves of severe weather were recorded from the Rockies to the Midwest. One particularly significant derecho caused extensive wind-related damage from Colorado into the Dakotas as winds gusted to 110 mph (177 kph) in Grand County, CO. Straight-line winds, large hail, isolated tornadoes, and flash flooding also occurred in parts of Illinois, Indiana, Michigan, and Ohio. Total economic losses were estimated at USD800 million. More than USD600 million was insured.

Tropical Storm Cristobal became the second-earliest landfall in Louisiana on record when it came ashore near Grand Isle on June 7 with 50 mph (85 kph) winds. At least one person was killed. The storm brought widespread impacts from storm surge, heavy rainfall, and convective storms across the Southeast before later tracking into the Great Lakes as a tropical depression from June 6 to 9. Further storm-related damage was also cited in those locations. Total economic losses were tentatively estimated at USD325 million.

Severe storms tracked across the Great Lakes on June 10 and generated notable straight-line wind damage in the hardest-hit areas of Michigan, Indiana, Ohio, and Kentucky. Winds gusting beyond 75 mph (120 kph) caused damage to residential and commercial properties, in addition to vehicles. Total economic and insured losses were estimated into the millions (USD).

Widespread convective storms – as part of a “Ring of Fire” pattern – led to notable impacts to property and vehicles from June 19-22. Storms rotating clockwise around a ridge of high pressure led to storms prompting strong straight-line winds, large hail, and isolated tornadoes in parts of the Plains and Midwest. Texas, Oklahoma, Kansas, Nebraska, South Dakota, and Iowa were among the hardest-hit. Total economic losses neared USD255 million. Most of the losses were insured.

Widespread thunderstorm activity occurred along a quasi-stationary frontal boundary that extended from the Rockies to the Great Lakes on June 26-27. Hundreds of reports of straight-line winds, large hail, and isolated flash flooding were cited by the Storm Prediction Center (SPC). Total economic and insured losses were likely to reach into the millions (USD).

Remainder of North America (Non-US)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/01-06/05	Tropical Storm Cristobal	Mexico, Guatemala, El Salvador, Canada	1	10,000+	350+ million
06/13-06/14	Severe Weather	Canada	0	70,000+	1.25+ billion
06/23	Earthquake	Mexico	10	10,500+	Millions

Tropical Storm Cristobal brought major impacts to parts of Central America and eastern Mexico between June 1-5. Rainfall totals up to 25 inches (640 millimeters) were reported in the Mexican states of Chiapas, Campeche, and Yucatan. Significant agricultural, property, and infrastructural losses occurred. Total combined economic losses in Latin America from Cristobal were estimated at USD340 million. Additional damage from Cristobal's remnants caused millions (USD) in economic and insured damage in parts of Canada's Ontario province.

A series of powerful thunderstorms swept across southern Alberta, Canada on June 13-14, prompting large hail that caused extensive damage and flooding throughout the greater Calgary metro region. Thousands of homes and vehicles sustained significant damage; while vast areas of agricultural land were also severely impacted. Total economic losses were estimated at up to CAD1.7 billion (USD1.25 billion). This becomes one of the costliest thunderstorm-related events on record in Canada. Roughly three-quarters of the damage was covered by insurance.

A powerful magnitude-7.4 earthquake rattled southern Mexico's Oaxaca region on June 23. At least ten people were killed, and dozens injured; however, damage to homes, businesses, and infrastructure – while notable – was not as extensive as initially feared. In Oaxaca, officials have reported more than 10,000 homes, 101 historical monuments, 6 archaeological sites, and 102 schools damage. At least 30 buildings were damaged in Mexico City.

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/30-07/01	Severe Weather	Brazil	10	2,000+	Millions

A powerful extratropical cyclone rapidly intensified and brought periods of gusty winds and heavy rainfall across parts of Brazil on June 30 and July 1. At least 10 people were killed. The hardest-hit areas came in the states of Santa Catarina, Rio Grande do Sul, and Parana as wind gusts approached or topped 100 kph (65 mph) and led to extensive roof and tree damage. Torrential rains additionally prompted landslides and spawned flash flooding as inundation to properties also occurred. Total economic losses were expected to reach well into the millions (USD).

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/07	Flooding	Central Europe	2	Thousands	50+ million
06/11	Flooding	France	0	Hundreds	Millions
06/13-06/15	Severe Weather	Central Europe	1	20,000+	100+ million
06/22-06/29	Flooding	Ukraine, Poland	4	22,000+	200+ million
06/22-06/23	Flooding	Serbia, Bosnia & Herzegovina	0	1,800+	30+ million
06/26-06/29	Severe Weather	Central Europe	0	Thousands	10s of Millions

Strong thunderstorms affected parts of Central Europe on June 7. Two people were killed in the Czech Republic as local streams overflowed their banks in Unicov and Šumperk regions. One of the worst affected municipalities was Šumvald, where the raging torrent resulted in notable property losses. Local officials tentatively estimated economic losses of up to CZK750 million (USD32 million). Further losses were noted in Austria and Poland.

Flash flooding from a stationary thunderstorm impacted Ajaccio, the administrative center of Corsica in southeastern France on June 11. Salines, Cannes and Pietralba areas were most-affected. Total economic damage was estimated into the millions (USD).

Locally severe thunderstorms affected parts of Central Europe from June 13-15. Damage resulted from intense rainfall, strong winds, large hail, and lightning strikes. The most affected countries were Germany, the Czech Republic, and Hungary; local insurers collectively expected nearly 20,000 weather-related insurance claims. Total economic losses were likely to approach or exceed USD100 million.

Widespread flooding affected parts of Western Ukraine following days of heavy rains from June 22-29. Ivano-Frankivsk was the most affected region, with additional damage cited in Chernivtsi, Lviv and Ternopil. The State Emergency Service of Ukraine reported that more than 14,000 homes and 7,000 basements were flooded. Regional infrastructure suffered heavy losses, as the agency reported 95 bridges destroyed, along with approximately 278 kilometers (173 miles) of road sections. Economic losses were preliminarily estimated at several billion UAH. Widespread storm-related damage also hit parts of southern and eastern Poland; economic losses in the country were under assessment.

Notable flooding occurred in the border region of Serbia and Bosnia & Herzegovina on June 22-23. Serbian officials confirmed at least 1,200 residential properties flooded in 27 municipalities that declared the state of natural disaster. Economic losses were preliminarily estimated at RSD3.0 billion (USD28 million). Hundreds of homes were also flooded in Tuzla region in neighboring Bosnia & Herzegovina.

Multiple rounds of severe thunderstorms affected parts of Austria, Germany, Poland, Slovakia, and Switzerland from June 26-29 with heavy rain, strong winds, and large hail causing moderate property, infrastructural, and agricultural losses. Among the worst affected areas was Steiermark in Austria. Damage costs were expected to reach into the tens of millions EUR.

Middle East

Date	Event	Location	Deaths	Structures/Claims	Economic Loss (USD)
06/03-06/04	Flooding	Yemen	16	Hundreds	Unknown
06/14	Earthquake	Turkey	1	2,200+	Millions
06/21-06/23	Flooding	Turkey	7	Hundreds	Millions

Heavy seasonal rains triggered flash floods in Hadhramaut, Shabwa and Al Mahrah governates in central and eastern Yemen on June 3-4. At least 16 people died, and more than 85 others sustained severe injuries during the event.

A magnitude-5.9 earthquake struck eastern Turkey on June 14 in a sparsely populated region on the borders of Bingöl and Erzurum provinces. Karlıova, Yedisu and Adaklı districts of Bingöl and Çat district of Erzurum were the most affected and reported material damage. According to the Disaster and Emergency Management Presidency (AFAD), one person died, and 35 were injured. More than 2,200 structures were marked as damaged.

Notable flooding ensued in Bursa Province of Turkey after a period of intense rainfall on June 21. The most affected were Kestel, Orhangazi, Yenişehir, İznik and Gürsu districts. Six people were left dead or missing and dozens of homes were damaged. More storms affected Istanbul Province and the City on June 23, causing additional damage and disruption. Widespread damage was cited, one person was killed and eight others injured.

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/18	Flooding	Ivory Coast	17	12+	Unknown

A landslide, following a spell of heavy rain during the rainy season, resulted in at least 17 fatalities in Anyama City, north of Abidjan in Côte d'Ivoire on June 18.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
05/29-07/01	Flooding	China	106	250,000+	5.1+ billion
06/01-06/16	Flooding	India, Pakistan	7	Thousands	Unknown
06/01-07/01	Flooding	India	189	9,372+	100s of Millions
06/01-06/30	Flooding	Bangladesh	0	Thousands	Millions
06/03-06/04	Cyclone Nisarga	India	6	500,000+	665+ million
06/10-06/14	Tropical Storm Nuri	China, Philippines	0	Thousands	Unknown
06/11-06/13	Flooding	Indonesia	1	4,850+	2.1+ million
06/12-06/24	Flooding	Nepal	17	Hundreds	Unknown
06/24-06/30	Severe Weather	India	127	Thousands	10s of Millions

Torrential seasonal Mei-yu rains arrived in China and initiated widespread flooding across the greater Yangtze River Basin during the month of June. At least 106 people were left dead. Heavy rains left impacts in 28 provincial regions. Among the hardest-hit included Guangdong, Guangxi, Hunan, Jiangxi, Guizhou, Sichuan, Yunnan, Hubei, and Chongqing, where more than 250,000 homes were damaged or destroyed. More than 309 river locations swelled above warning levels, which also submerged 891,000 hectares (2.2 million acres) of cropland. Total combined economic losses during the month of June alone were listed by the government at CNY35.8 billion (USD5.1 billion).

Torrential rains resulted in flash floods and landslides in Khyber Pakhtunkhwa Province of Pakistan and adjacent Jammu district of India during the first half of June. At least seven people lost their lives in Pakistan, while thousands of homes were inundated in the affected areas. Floods affected thousands of homes in Jammu region of India.

Monsoonal rains in India resulted in significant flooding in parts of the country in June, notably in Assam, Kerala, West Bengal, and Karnataka states. The Ministry of Home Affairs Disaster Management Division cited a combined 189 fatalities during the month and more than 9,372 homes damaged or destroyed. Major damage was also cited to swaths of infrastructure and agricultural land. Seasonal flooding annually results in economic costs minimally reaching into the hundreds of millions (USD) across India.

Several rivers burst their banks in Bangladesh rose following heavy monsoonal rains throughout June. Thousands of people in Jamalpur, Kurigram and Gaibandha districts were displaced after their homes were inundated.

Cyclone Nisarga made landfall near Alibaug in coastal Maharashtra on June 3, causing widespread damage in the Raigad district. Nisarga claimed at least six lives. Government officials cited damage to more than 500,000 structures from strong winds, flash flooding, and other coastal inundation. Total economic losses were listed at INR50 billion (USD665 million); most losses will not be covered by insurance.

Tropical Storm Nuri, locally known in Philippines as Butchoy, made three distinct landfalls – two while tracking through the Philippines archipelago on June 11, and final landfall near Yangjiang region of southern China’s Guangdong Province on June 13. One person was killed. The system prompted flooding rains in parts of the Philippines and China, though total economic losses were negligible.

Flash flooding on June 11 affected Bone Bolango Regency in northern Sulawesi province in Indonesia. According to National Board for Disaster Management (BNPB), more than 2,500 homes and 3 bridges were damaged. On June 13, flooding prompted landslides in South Sulawesi Province, killing at least one. In the severely affected Bantaeng and Sinoa districts of Bantaeng Regency the flooding damaged or destroyed 2,350 homes. Total economic losses were minimally estimated at IDR30 billion (USD2.1 million).

The onset of monsoonal rains in Nepal resulted in landslides and flooding in parts of the country on June 12-24, causing 17 fatalities. Notably, Gandaki Pradesh Province in central Nepal was affected on June 13-15. At least nine people were killed.

Heavy rains coupled with thunderstorms, lightning, and wind swept across 30 districts of Bihar and Uttar Pradesh in northern India during the last week of June (24-30). According to the Bihar State Disaster Management Authority, at least 103 people died in the state of Bihar and several others sustained severe injuries. Another 24-people died in Uttar Pradesh as the result of lightning strikes. The event resulted in widespread damage to thousands of houses, businesses, roads, and large areas of cropland. Total economic losses were estimated well into the millions (USD).

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/26-06/27	Severe Weather	New Zealand	0	Hundreds	Millions

A series of four tornadoes touched down across parts of New Zealand’s North Island on June 26-27. The most notable was an F2 that caused extensive damage to local homes and businesses in the South Auckland suburb of East Tamaki. Other tornadoes were noted in Mangawhai, Dairy Flat, and Papamoa. Total economic and insured losses were likely to reach into the low-digit millions (USD).

Appendix

Updated 2020 Data: January-May

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/10-01/12	Severe Weather	Central & Eastern U.S.	12	115,000+	1.28+ billion
02/03-02/08	Severe Weather	Central & Eastern U.S.	5	125,000+	1.25+ billion
02/08-02/10	Severe Weather	West	0	15,000+	140+ million
02/10-02/17	Flooding	Southeast	0	Thousands	175+ million
02/25-02/27	Winter Weather	Midwest, Northeast	1	Thousands	75+ million
03/02-03/05	Severe Weather	Midwest, Southeast	25	50,000+	2.0+ billion
03/11-03/13	Severe Weather	Midwest, Southeast	0	Thousands	10s of millions
03/17-03/20	Severe Weather	Plains, Midwest, Southeast, Northeast	0	30,000+	290+ million
03/18	Earthquake	Utah	0	Thousands	Millions
03/20	Flooding	Midwest	8	Unknown	Millions
03/24-03/25	Severe Weather	Southeast	0	Thousands	10s of millions
03/27-03/30	Severe Weather	Plains, Midwest, Southeast, Northeast	0	150,000+	2.45+ billion
03/31	Severe Weather	Southeast	0	10,000+	125+ million
03/31	Earthquake	Idaho	0	2,000+	20+ million
04/06-04/09	Severe Weather	Midwest, Plains, Southeast, Mid-Atlantic	0	250,000+	2.75+ billion
04/10-04/14	Severe Weather	Midwest, Plains, Southeast, Mid-Atlantic	38	270,000+	3.1+ billion
04/18-04/20	Severe Weather	Midwest, Plains, Southeast	3	60,000+	600+ million
04/21-04/24	Severe Weather	Plains, Southeast, Mid-Atlantic	7	105,000+	1.1+ billion
04/24-04/26	Severe Weather	Midwest, Plains, Southeast, Mid-Atlantic	0	50,000+	450+ million
04/27-04/29	Severe Weather	Midwest, Plains, Southeast	0	90,000+	900+ million
05/02-05/03	Severe Weather	Plains, Midwest, Southeast	2	55,000+	650+ million
05/04-05/05	Severe Weather	Plains, Midwest, Southeast	0	80,000+	975+ million
05/05-05/20	Wildfire	Florida	0	500+	50+ million
05/07-05/08	Severe Weather	Plains, Southeast	0	17,000+	150+ million
05/13-05/15	Severe Weather	Plains, Midwest, Northeast	0	55,000+	500+ million
05/15	Earthquake	Nevada	0	Unknown	10+ million
05/16-05/21	Severe Weather & Floods	Plains, Midwest, Southeast	1	105,000+	1.5+ billion
05/20-05/24	Severe Weather	Rockies, Plains, Midwest	2	125,000+	1.3+ billion
05/25-05/26	Severe Weather	Plains, Midwest, Southeast	0	15,000+	135+ million
05/24-05/27	Tropical Storm Bertha	Southeast, Mid-Atlantic	0	15,000+	200+ million
05/27-05/28	Severe Weather	Texas	0	120,000+	1.3+ billion
05/30-05/31	Severe Weather	Northwest	0	Hundreds	Millions

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/07-01/11	Earthquake	Puerto Rico	1	20,000+	1.35+ billion
01/11-01/12	Flooding	Canada	0	6,200+	180+ million
01/14-01/18	Winter Weather	Canada	0	Thousands	10s of millions
01/14-01/20	Winter Weather	Canada	0	Thousands	10s of millions
01/17-01/18	Winter Weather	Canada	0	Thousands	10s of millions
01/28	Earthquake	Cayman Islands, Jamaica, Cuba	0	2,250+	Millions
01/31-02/01	Flooding	Canada	0	2,000+	10s of millions
02/06-02/08	Winter Weather	Canada	0	2,000+	10s of millions
02/26-02/28	Winter Weather	Canada	1	Thousands	75+ million
02/28-02/29	Severe Weather	Honduras	3	Hundreds	Millions
04/13	Flooding	Canada	0	1,500+	25+ million
04/26-04/30	Flooding	Canada	1	4,000+	885+ million
05/02	Earthquake	Puerto Rico	0	3,000+	Millions
05/09	Severe Weather	Mexico	2	100+	Millions
05/31	Tropical Storm Amanda	El Salvador, Guatemala, Honduras	33+	3,400+	200+ million

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/17-01/29	Flooding	Brazil	70	Thousands	300+ million
02/08-02/29	Flooding	Bolivia	17	1,000+	10s of millions
02/09-02/10	Flooding	Brazil	4	4,000+	50+ million
02/11-02/19	Flooding	Argentina	1	1,000+	Millions
02/17-02/25	Flooding	Peru	4	2,400+	Millions
02/25-02/27	Flooding	Colombia	8	750+	Millions
03/01-03/03	Flooding	Brazil	70	Thousands	10s of millions

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/13	Windstorm Brendan	Ireland, United Kingdom	1	Thousands	10s of millions
01/19-01/23	Flooding	Spain	14	11,600+	200+ million
02/03-02/04	Windstorm Petra	Central Europe	3	12,500+	180+ million
02/09-02/10	Windstorm Ciara	Western & Central Europe	14	1.1+ million	2.3+ billion
02/15-02/16	Windstorm Dennis	Western & Northern Europe	6	Thousands	660+ million
02/23-02/24	Windstorm Yulia	Central Europe	0	Thousands	100+ million
02/27	Windstorm Bianca	Western & Central Europe	0	Thousands	10s of millions
02/29	Windstorm Jorge	Western Europe	0	Thousands	10s of millions
03/01	Windstorm Leon	France	0	Hundreds	Millions

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
03/02	Windstorm Karine	France, Spain	0	Hundreds	Millions
03/03	Windstorm Myriam	France, Spain	0	Thousands	10s of millions
03/12	Windstorm Laura	Denmark, Sweden, Germany, Poland	0	Thousands	10s of millions
03/22	Earthquake	Croatia	1	26,197+	1.1+ billion
03/23-04/02	Winter Weather	Central & Southern Europe	0	N/A	500+ million
04/01	Flooding	Spain	0	2,000+	15+ million
04/04-04/06	Flooding	Greece	0	Hundreds	Millions
04/15	Winter Weather	Austria	0	N/A	30+ million
04/17	Severe Weather	France	0	500+	Millions
05/09-05/11	Severe Weather	Western & Central Europe	0	Hundreds	10s of Millions

Middle East

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/04-01/09	Flooding	Israel	7	45,000+	580+ million
01/09-01/20	Flooding	Iran	4	20,000+	808+ million
01/24	Earthquake	Turkey	41	23,000+	10s of millions
02/04-02/05	Winter Weather	Turkey	41	Unknown	Unknown
02/23	Earthquake	Turkey, Iran	14	6,000+	Millions
02/24-04/30	Flooding	Iran	23	10,000+	1.2+ billion*
03/12-03/13	Flooding	Egypt	40	Thousands	76+ million
03/18	Flooding	Iraq	8	1,000+	Millions
03/25	Flooding	Yemen	2	2,000+	10+ million
02/24-04/30	Flooding	Iran	23	10,000+	1.2+ billion*
04/15-04/30	Flooding	Yemen	14	Hundreds	Unknown
05/27-05/31	Flooding	Oman	3	Hundreds	Millions

*Free market conversion rate; Unofficial local exchange (USD325 million)

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/31	Flooding	Madagascar, Mozambique	60	25,800+	Millions
01/28-02/03	Flooding	Tanzania	40	3,000+	Millions
01/28-02/13	Flooding	Burundi	3	5,000+	Millions
01/01-03/31	Flooding	Rwanda	60	Thousands	Millions
01/01-03/31	Flooding	Rwanda	60	1,000+	Millions
03/10-03/17	Flooding	Tanzania	0	3,500+	Unknown
03/13-03/17	Cyclone Herold	Madagascar	4	1,000+	Unknown
03/14-03/18	Flooding	Democratic Republic of the Congo	0	5,000+	Millions
03/16-03/22	Severe Weather	Burundi	2	1,000+	Millions
03/17-03/22	Flooding	Zambia	0	2,200+	Unknown
03/24-05/31	Flooding	Kenya	237	15,000+	Millions
04/13-04/19	Flooding	Burundi	0	6,000+	Millions

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
04/16-04/17	Flooding	Democratic Republic of the Congo	52	18,500+	Millions
04/17-04/25	Flooding	Rwanda	16	750+	Unknown
04/18	Flooding	Angola	24	2,000+	Millions
04/20-04/21	Flooding	Djibouti	8	Thousands	Millions
04/20-04/28	Flooding	Somalia	13	Hundreds	Unknown
03/24-05/31	Flooding	Kenya	237	15,000+	Millions
05/01-05/07	Flooding	Rwanda	73	Hundreds	Unknown
05/09	Flooding	Ethiopia	12	Unknown	Negligible
05/28	Flooding	Ethiopia	10	Unknown	Negligible

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-07/01	Drought	China	N/A	N/A	1.0+ billion
01/04-01/07	Winter Weather	China	0	5,000+	125+ million
01/05-01/09	Severe Weather	China	0	2,500+	35+ million
01/11-01/14	Winter Weather	Afghanistan, Pakistan, India	157	Thousands	Millions
01/12-01/15	Volcano	Philippines	0	3,813	67+ million
01/19	Earthquake	China	1	8,000+	25+ million
01/23-01/28	Flooding	Indonesia	10	15,000+	Millions
01/23-01/26	Winter Weather	China	0	1,000+	239+ million
02/07-02/12	Flooding	Indonesia	0	4,000+	Millions
02/12-02/15	Severe Weather	China	1	Hundreds	16+ million
02/13-02/16	Winter Weather	China	0	Hundreds	30+ million
02/16-02/20	Flooding	Indonesia	6	20,000+	Millions
02/21-02/25	Flooding	Indonesia	10	35,000+	10s of millions
03/02-03/05	Severe Weather	Vietnam	3	7,187+	1.5+ million
03/04-03/13	Flooding	Pakistan	44	1,000+	Unknown
03/04-03/06	Flooding	Indonesia	2	8,000+	7.2+ million
03/13	Flooding	East Timor	3	2,000+	20+ million
03/20-03/21	Flooding	Indonesia	0	10,000+	Millions
03/21-03/25	Severe Weather	Vietnam	1	5,430+	4.1+ million
03/25-03/31	Flooding	Afghanistan	35	3,000+	Unknown
03/30	Flooding	China	8	Unknown	Millions
03/30-03/31	Flooding	Indonesia	1	11,900+	Millions
03/30-03/31	Wildfire	China	19	N/A	Negligible
04/01	Earthquake	China	1	3,400+	25+ Million
04/01-04/30	Flooding	China	0	5,000+	285+ Million
04/01-04/30	Severe Weather	China	0	10,000+	250+ Million
04/04-04/05	Flooding	Indonesia	3	Hundreds	Unknown
04/09-04/16	Flooding	Indonesia	0	7,500+	Unknown
04/10-04/12	Flooding	Vietnam	0	716+	1.7+ million
04/13-04/14	Severe Weather	China	0	2,000+	15+ Million
04/17-04/19	Severe Weather	China	0	7,500+	65+ Million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
04/19-04/22	Winter Weather	China	0	Unknown	750+ Million
04/20-04/28	Flooding	Indonesia	3	2,500+	Millions
04/21-04/22	Severe Weather	China	0	Thousands	72+ Million
04/22-04/27	Flooding	Vietnam	3	6,000+	Millions
04/27	Severe Weather	Uzbekistan, Turkmenistan	1	5,000+	Millions
04/30	Flooding	Indonesia	0	22,000+	Millions
04/29-05/09	Severe Weather	Thailand	2	10,100+	Millions
04/30-05/05	Flooding	Indonesia	3	25,000+	Millions
05/02-05/05	Flooding	Afghanistan	4	1,100+	Unknown
05/02-05/05	Flooding	China	0	Unknown	92+ Million
05/03-05/05	Winter Weather	China	0	Unknown	125+ Million
05/05-05/08	Flooding	Indonesia	7	916+	Unknown
05/07-05/10	Severe Weather	Vietnam	1	8,720+	Millions
05/10	Severe Weather	India	29	Unknown	Millions
05/14-05/15	Typhoon Vongfong	Philippines	0	20,000+	50+ Millions
05/15-05/19	Severe Weather	Vietnam	3	2,000+	Unknown
05/15-05/22	Cyclone Amphan	India, Bangladesh, Sri Lanka	118	1.2+ million	15+ billion
05/18-05/25	Flooding	Indonesia	0	4,000+	Millions
05/18	Earthquake	China	4	1,100+	17+ Million
05/19-05/22	Flooding	China	7	Unknown	128+ Million
05/25-05/26	Severe Weather	Russia	6	Thousands	Millions
05/15-05/31	Severe Weather	China	4	Unknown	71+ Million
05/27-06/02	Flooding	India	31	Hundreds	Millions

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/08-01/17	Heatwave/Bushfire	Australia	34	23,362+	Billions
01/18-01/20	Severe Weather	Australia	0	127,160+	1.43+ billion
02/01-02/03	Flooding	New Zealand	0	1,000+	Millions
02/07-02/11	Severe Weather	Australia	0	98,613+	1.0+ billion
02/25	Severe Weather	Australia	0	2,000+	Millions
03/21-03/24	Flooding	Papua New Guinea	12	1,000+	Unknown
04/04-04/07	Flooding	Papua New Guinea	0	1,000+	Millions
04/05-04/11	Cyclone Harold	Solomon Islands, Vanuatu, Fiji, Tonga	30	10,000+	100s of Millions
04/10	Flooding	Papua New Guinea	10	Unknown	Negligible
04/19	Severe Weather	Australia	0	Thousands	Millions
5/25	Severe Weather	Australia	0	Hundreds	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 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 determined based on various public media sources, including news websites, publications from insurance companies, financial institution press releases, and official government agencies. Economic loss totals are separate from any available insured loss estimates. An insured loss is the portion of the economic loss covered by public or private insurance entities. In rare instances, specific events may include modeled loss estimates determined from utilizing Impact Forecasting’s suite of catastrophe model products.

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