



Global Catastrophe Recap

June 2016

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Executive Summary

- Major June floods highlighted by China & U.S. events; global economic cost to exceed USD5.0 billion
- Convective storms spawn expected USD1.0 billion insurance bill in the U.S., Europe & Australia
- California's Erskine Fire destroys nearly 300 homes and businesses

Seasonal "Mei-Yu" monsoon rains led to multiple rounds of significant flooding across central and southern sections of China throughout the month of June. More than 130 people were killed. The most damaging floods occurred in the Yangtze River basin as rivers and tributaries overflowed their banks and minimally inundated 200,000 homes. Beyond property damage, there were substantial impacts to the agricultural sector. Total aggregated economic losses were estimated by the Ministry of Civil Affairs at upwards of CNY29 billion (USD4.4 billion). Given low penetration levels, the insured loss portion was only a small fraction of the overall damage cost.

Elsewhere, exceptional rainfall in the U.S. state of West Virginia led to catastrophic flooding in several counties. A disaster was declared by the federal government after major damage occurred in Clay, Fayette, Greenbrier, Kanawha, Monroe, Nicholas, Roane, and Summers counties. As many as 5,500 homes and 125 businesses were damaged or destroyed. Total economic losses were anticipated to reach into the hundreds of millions (USD). The insured loss portion of the loss was expected to be less given rather low up-take in the National Flood Insurance Program (NFIP).

Additional major flood events in June occurred in India, Indonesia, Myanmar, and Ghana.

An active month for large hail and damaging straight-line winds left convective storm impacts across a broad section of the United States. Several outbreaks of thunderstorms caused damage from the Rockies to the Mid-Atlantic. Aggregated economic losses were anticipated to exceed USD500 million; while insured losses will be in excess of USD350 million.

It should be noted that the month featured the lowest number of June U.S. tornadoes since 1988.

Powerful thunderstorms swept through the Netherlands, causing hail, wind and isolated flash flood damage in South Holland and Utrecht provinces. Total economic losses were minimally listed at EUR520 million (USD578 million), with most of the damage sustained by farmers. The Association of Insurers reported filed agricultural claims totaling EUR130 million (USD144 million).

An East Coast Low struck eastern Australia – combining with a King Tide – to cause major damage in parts of Queensland, New South Wales, Victoria, and Tasmania. At least four people died. The Insurance Council of Australia (ICA) declared an insurance catastrophe as at least 32,000 claims were filed with payouts exceeding AUD235 million (USD175 million). Overall economic losses were even higher.

Multiple rounds of severe storms also caused damage in the Canadian Prairies.

The combination of near-record heat, extended drought conditions and gusty winds led to ideal wildfire conditions in southern California during the month. The Erskine Fire damaged or destroyed at least 298 homes and structures. Total economic losses were expected to exceed USD100 million.

Tropical Storm Colin became the earliest third named storm to develop on record in the Atlantic Ocean basin when it formed on June 5. It made landfall in Florida, but caused minimal damage in the state.

United States

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

Strong thunderstorms produced up to egg-size hail in Colorado on June 6-7. Widespread damage to homes, businesses and vehicles were reported in north-central portions of the state, including the Denver metro area. Total economic losses were estimated near USD175 million; while public and private insurance losses were expected to approach USD125 million.

Tropical Storm Colin became the earliest third named storm to develop on record in the Atlantic Ocean basin when it formed on June 5. It made landfall in Deckle Beach, Florida, early on June 7 bringing torrential rainfall to portions of Florida and the Carolinas. There were no reports of any casualties or fatalities. Localized flooding and beach erosion was reported; while 85,000 customers endured power outages. Economic losses were expected to be less than USD10 million.

Severe thunderstorms tracked through parts of the Mid-Atlantic, Southeast and Northeast from June 16-18, leading to widespread damage in multiple states. The hardest-hit areas were in Virginia, West Virginia, South Carolina, Georgia, and Alabama as winds gusted in excess of 60 mph (95 kph). Up to golf ball-sized hail also caused additional damage. Total economic losses were estimated at USD275 million. Public and private insurers expected losses to approach USD190 million.

Strong thunderstorms swept across portions of the Midwest, Ohio Valley, and Mid-Atlantic from June 16-18, causing widespread straight-line wind and hail damage. The most significant damage was noted in North Dakota, South Dakota, and Minnesota after up to baseball-sized hail and winds gusting beyond 70 mph (110 kph) impacted homes, businesses and vehicles. Total economic and insured losses were expected to exceed USD100 million.

A significant outbreak of thunderstorms and torrential rainfall caused major damage in portions of the Midwest and Mid-Atlantic from June 22-26, killing at least 23 people. The most noteworthy damage occurred in West Virginia after exceptional flash flooding caused major damage to up to 5,500 homes, 125 businesses and swaths of infrastructure. Additionally, clusters of convective storms spawned tornadoes, large hail and straight-line wind damage in parts of the Midwest and Mid-Atlantic. Total combined economic damage was preliminarily estimated to reach the hundreds of millions (USD). The insured loss portion will almost entirely be driven by the convective portion of the event.

The combination of near-record heat, extended drought conditions and gusty winds led to ideal wildfire conditions in southern California during the month. On June 23, the Erskine Fire was ignited in Kern County which led to two fatalities in the community of Lake Isabella. At least 285 homes and structures were destroyed and a further 12 were damaged. In total, the blaze charred 48,019 acres (19,432 hectares) of land. Total economic losses, including the USD22.5 million cost to fight the fire, were expected to approach USD100 million.

A slow-moving storm system spawned strong thunderstorms in parts of the Rockies and Plains from June 27-29, causing widespread hail and wind damage. There were no reports of any casualties, though widespread damage was reported throughout northeastern Colorado, Nebraska and western South Dakota. Total economic and insured losses were estimated into the millions of dollars (USD).

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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

A strong magnitude-6.1 earthquake struck northwestern Nicaragua on June 9. No serious injuries or fatalities were reported. Shaking was felt across Nicaragua, Honduras, and El Salvador as more than 3,200 homes were damaged or destroyed.

A storm system that prompted widespread convective storm damage in the United States also led to severe impacts in Canada's Prairie Region on June 24-25. No serious injuries or fatalities were reported, though the large hail, straight-line winds and isolated flash floods caused down trees and power lines onto homes and businesses in the provinces of Saskatchewan, Manitoba and Ontario. Additional impacts to agriculture and infrastructure were noted as well. Total economic losses were expected to approach CAD65 million (USD50 million).

Severe thunderstorms developed along a stationary frontal boundary draped across southern Canada from June 28-30. The storms caused notable hail and straight-line wind damage in parts of the provinces of Alberta, Saskatchewan, and Manitoba. Some of the most significant damage was reported in the greater Calgary metropolitan region. Total economic losses were expected to approach or exceed CAD65 million (USD50 million).

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 June.

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/04-06/06	Severe Weather	Russia	0	2,732+	Unknown
06/23-06/24	Severe Weather	Netherlands	0	Thousands	578+ million

From June 4-6, the Russian republics of Dagestan, North Ossetia, and Chechnya and Krasnodar Krai were affected by torrential downpours, hail, and strong wind gusts that prompted catastrophic flooding and landslides for some areas. The worst of the damage was reported in North Ossetia where hail damage was reported to 2,732 homes and dozens of public buildings. Numerous rivers burst their banks and damage was incurred to roads, power lines, gas mains, and agricultural land.

Powerful thunderstorms impacted the Netherlands on June 23-24, causing hail, wind and isolated flash flood damage in South Holland and Utrecht provinces. The Dutch Meteorological Institute (KNMI) cited rainfall totals as a 1-in-50 year event. Total economic losses were minimally listed at EUR520 million (USD578 million), with most of the damage sustained by farmers. The Association of Insurers reported filed agricultural claims totaling EUR130 million (USD144 million).

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/13	Flooding	Ghana	10	Unknown	Unknown

At least 10 people died following flooding in the cities of Accra and Tema, Ghana, on June 13. Officials reported that flooding occurred following four days of torrential downpours across Central Region. The Odaw River burst its banks and drainage channels also overflowed. The worst affected areas were Kwame Nkrumah Circle, Teshie, Airport Residential Area, Dzorwulu, Achimota, Tse Addo, and Tema.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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
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

Portions of China's Yangtze River basin endured flooding from May 31 through June 2 as the Mei-Yu rain band continued to impact the country. Zhejiang, Anhui, Fujian, Jiangxi, Henan, Hubei, Chongqing, Sichuan, and Guizhou provinces were all affected to some degree by flooding following heavy downpours. Six people were left dead or missing after the floods damaged or destroyed nearly 13,000 homes. Additionally, more than 8,500 hectares (21,005 acres) of crops were destroyed. China's Ministry of Civil Affairs (MCA) listed economic losses at CNY2.6 billion (USD403 million).

Powerful thunderstorms impacted northern Pakistan on June 1, claiming at least 15 lives. The storms affected portions of the Federally Administered Tribal Areas, Khyber Pakhtunkhwa, Punjab, and Azad Jammu and Kashmir provinces. All of the fatalities occurred in the cities of Islamabad and Peshawar. Damage was reported to homes, vehicles, businesses, and crops. Disruption to electricity supplies and telecommunications also occurred.

An extended period of severe weather impacted much of China from June 2-8, killing at least 12 people and injuring dozens of others. The MCA reported that some of the hardest-hit provincial regions included Shanxi, Henan, Hebei, Hubei, Sichuan, Shaanxi, Jilin, Gansu, Guangdong, Guangxi, and Hainan. More than 50,000 homes were damaged or destroyed by large hail and damaging winds; while tens of thousands of hectares (acres) of crops were destroyed. Total combined economic losses were listed at CNY5.0 billion (USD768 million).

Heavy rains swept across portions of Inner Mongolia, Xinjiang and Hebei provinces in China from June 4-7, causing widespread flooding. The MCA cited particular damage to agriculture, with many crops being inundated by floodwaters. Total economic losses were listed at CNY1.4 billion (USD213 million).

Seventeen provinces across northern China were impacted by severe weather outbreaks from June 6-16, killing at least seven people. Damage was noted in Gansu, Qinghai, Inner Mongolia, Ningxia Hui, Shaanxi, Shanxi, Henan, Hubei, Hebei, Beijing, Tianjin, Shandong, Jiangsu, Anhui, Liaoning, Jilin, and Heilongjiang provinces. The MCA noted that more than 32,000 homes were damaged or destroyed, and more than 374,000 hectares (924,175 acres) of crops were damaged. Aggregated economic losses were listed at CNY5.4 billion (USD822 million).

Flooding rains triggered by the Southwest Monsoon in Myanmar brought torrential downpours to portions of Sagaing and Bago Regions and Rakhine State from June 8-11, killing at least 12 people. Numerous creeks and rivers overflowed as more than 4,300 homes and businesses were inundated. Widespread infrastructure and agricultural damage was also noted.

Southern portions of China endured more extensive flooding from June 9-16 as torrential downpours continued to impact provinces south of the Yangtze River. At least 25 people died and six were listed missing as 11 provinces including Sichuan, Yunnan, Chongqing, Guizhou, Guangxi Zhuang, Hunan, Anhui, Jiangxi, Guangdong, Fujian, and Zhejiang were inundated. Almost 85,000 homes were damaged (71,800) or destroyed (13,000) in addition to the 221,300 hectares (546,845 acres) of arable land that was affected. Approximately 27,800 hectares (68,695 acres) of crops were destroyed. Total economic losses were listed at CNY4.2 billion (USD664 million).

Pre-monsoon thunderstorms claimed 11 lives in the northeastern Indian state of Bihar on June 12. Local media reported that three of the five fatalities reported in Muzzafarpur district were the result of lightning strikes. A further three fatalities were reported in each Patna and Siwan districts.

A week-long severe weather outbreak affected at least six provincial regions of China from June 16-23, killing at least 102 people were killed (including 99 from a tornado in Jiangsu province) and nearly 1,000 more were injured. The powerful tornado ripped through Yancheng City and flattened multiple villages. Elsewhere storm damage was noted in Xinjiang, Jilin, Heilongjiang, Liaoning, and Beijing provinces as nearly 15,000 homes were impacted and nearly 133,000 hectares (329,000 acres) of crops were inundated. Total economic losses were listed at CNY2.0 billion (USD302 million).

Torrential seasonal rainfall prompted flooding and landslides across the western Indonesian islands of Sumatra and Java from June 17-21, killing at least 62 people. Central Java province was worst affected as 47 people were killed primarily as a result of rain-triggered landslides. Thousands of homes and other structures were damaged. Total economic losses were listed at IDR300 billion (USD25 million).

Southern portions of China endured further flooding from June 18-23 including Jiangsu, Zhejiang, Anhui, Jiangxi, Gansu, Shaanxi, Qinghai, Hubei, Hunan, Guangxi Zhuang, Chongqing, Sichuan, Guizhou, and Yunnan provinces. As many as 68 people were dead or missing in the provinces of Anhui, Jiangxi, Hubei, Chongqing, Sichuan, and Yunnan. The floods damaged nearly 55,000 homes and 68,700 hectares (169,800 acres) of cropland. Total economic losses were listed at CNY11.2 billion (USD2.3 billion).

Lightning strikes killed at least 93 people in the Indian states of Bihar, Uttar Pradesh, Jharkhand, and Madhya Pradesh.

Portions of Japan's Kumamoto prefecture were inundated following torrential downpours from June 20-23. Authorities urged the evacuation of 703,000 as the risk of flooding and landslides soared following a prolonged period of heavy rainfall. At least seven people were left dead or missing. The Fire and Disaster Management Agency (FDMA) reported that nearly 2,000 homes and other structures had been damaged or destroyed. Total economic losses were estimated well into the millions of dollars (USD).

Seasonal monsoon rains led to renewed flooding in parts of 11 central and southern Chinese provinces from June 23-30, leaving at least 34 people dead or missing. The most significant damage came in Chongqing, Hubei, Sichuan, Shaanxi, Henan, Yunnan, Hunan, Anhui, Zhejiang, Jiangsu, and Guizhou as more than 50,000 homes were damaged or destroyed. As much as 175,000 hectares (432,000 acres) of agricultural land was also impacted. The MCA listed economic losses at CNY4.5 billion (USD675 million).

Days of torrential rainfall prompted significant flash flooding and rivers to overflow their banks in India's state of Uttarakhand from June 25 to July 1. At least 55 people were left dead or missing. Some of the hardest-hit areas came in the districts of Chamoli and Pithoragarh after cloudbursts caused floods that flattened more than 10 villages. In total, thousands of homes were inundated. Total economic losses were expected well into the millions of dollars (USD).

Strong thunderstorms impacted parts of China's Hebei, Shanxi, Inner Mongolia, Shaanxi, Gansu, Ningxia Hui, and Qinghai provinces from June 26-29, killing at least one person. The most significant damage was registered to the agricultural sector after hail up to 30 millimeters (1.18 inches) in diameter hit the region. As much as 58,300 hectares (144,000 acres) of crops were affected. The MCA listed economic losses at CNY1.1 billion (USD165 million).

Torrential monsoon rains brought renewed flooding to Indonesia's East Java province from June 30 to July 1. At least five rivers (Kedunglarangan, Welang, Kingpin, Rejoso, Wрати) burst their banks in the district of Pasuruan. More than 14,100 homes were damaged or destroyed.

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/04-06/06	Severe Weather	Australia	4	32,000+	250+ million

Eastern and southeastern portions of Australia were battered by an East Coast Low from June 4-6. The low generated violent storm-force winds and very rough conditions at sea that coincided with a King Tide leading to extensive flooding and damage in portions of Queensland, New South Wales, Victoria, and Tasmania. At least four people died and hundreds were evacuated as coastal erosion and flooding damaged hundreds of houses. The Insurance Council of Australia (ICA) declared an insurance catastrophe as at least 32,000 claims were filed with payouts exceeding AUD235 million (USD175 million). Overall economic losses were even higher.

Appendix

Updated 2016 Data: January-May

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+	2.0+ 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+	650+ 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	125,000+	1.1+ billion
05/07-05/10	Severe Weather	Plains, Midwest, Mississippi Valley	2	65,000+	575+ million
05/10-05/12	Severe Weather	Plains, Midwest	0	65,000+	450+ 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

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+	Billions
05/07-05/08	Flooding	Haiti, Dominican Republic	5	890+	Unknown
05/26-05/31	Flooding	Haiti	1	2,901+	Unknown

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
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+	6.5+ 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

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
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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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

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

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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