

Global Catastrophe Recap

October 2017



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Executive Summary

- Historic wildfires leave record bill for insurers in the United States and Portugal
- Three strong windstorms impact Europe in active beginning of the current season
- Continuous rainfall and typhoons cause extensive flooding in Asia-Pacific region; death toll nears 150

A major wildfire outbreak erupted in portions of California starting during the month of October, killing at least 43 people and injuring 185 others. Nearly two-dozen fires were ignited as the blazes – notably the Central LNU Complex Fire around the town of Santa Rosa – would aggregate together as the most damaging event on record in the state. Data from CalFire indicated that nearly 9,300 structures were damaged, of which more than 8,560 were destroyed. The worst damage was noted in Napa, Sonoma, Mendocino, Lake, Solano, Butte, and Yuba counties. The California Department of Insurance cited that at least 19,000 residential, commercial and auto claims had already been filed with payouts exceeding USD3.32 billion. This total was expected to rise to as high as USD8.0 billion as additional claims are processed. On aggregated basis, this is costliest insured wildfire event ever recorded.

Another significant wildfire outbreak engulfed Central and Northern Portugal, killing at least 45 people. The fires swept through several districts, notably Coimbra, Viseu and Castelo Branco, causing significant property and commercial damage. The Portuguese Association of Insurers indicated that total insured losses were likely to reach EUR200 million (USD232 million), which would be the costliest event on record for the local industry. Additional fires caused at least four fatalities in Northwestern Spain.

An active beginning of this year's European Windstorm season was marked by three notable storms. Windstorm Xavier impacted Northern Germany and Western Poland, prompting moderate damage and causing at least seven fatalities. The extratropical remnants of Ophelia, the easternmost Atlantic major hurricane (Category 3+) on record, hit the British Isles in mid-October. Finally, Windstorm Herwart swept through Central Europe, causing at least 10 deaths and hundreds of millions (USD) in claims payouts.

Super Typhoon Lan caused extensive damage in Philippines and in Japan with powerful winds and torrential rainfall. Total economic losses in Japan were likely to exceed USD1.0 billion. Shortly before Lan, Typhoon Khanun made landfall in southern China.

Hurricane Nate impacted Central America in early October, causing at least 46 deaths and extensive material losses. The storm later caused minor damage in U.S. Gulf and Mid-Atlantic states.

Continuous rainfall prompted widespread flooding in China, Thailand and Vietnam, where at least 98 fatalities were reported. At least 121,000 of homes were affected by flooding in Thailand alone.

Flooding in southern Norway became one of the costliest events for the local industry in recent years. Additional flooding ensued in Queensland, Australia after powerful thunderstorms impacted the region in mid-October.

Multiple severe weather outbreaks affected the United States, primarily in central and eastern sections of the country. Total economic damage topped USD350 million. Also, the remnants of Tropical Storm Philippe combined with a separate system to bring widespread damage in the U.S. and Canada.

Elsewhere, powerful thunderstorms prompted wind and flood damage in Gauteng and KwaZulu-Natal provinces in South Africa, causing notable losses to insurers.

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/07-10/09	Hurricane Nate	Southeast, Mid-Atlantic	0	20,000+	250+ million
10/08-10/30	Wildfires	California	43	30,000+	8.0+ billion
10/14-10/15	Severe Weather	Plains, Midwest, Northeast	0	17,500+	250+ million
10/23-10/24	Severe Weather	Midwest, Southeast, Mid-Atlantic	0	10,000+	140+ million
10/30	TS Philippe (remnants)	Mid-Atlantic, Northeast	0	Thousands	100+ million

Hurricane Nate made landfall in Mississippi on October 7 as a Category 1 hurricane after prompting extensive damage for multiple Central American nations (see below). Notable damage was incurred in the United States, though it was ultimately lower than initially feared. Nate's most extensive impacts were due to coastal flooding in Mississippi and Alabama, though multiple tornadoes also occurred as the storm's remnants came inland. Total economic losses were estimated around USD250 million, while public and private insured losses were roughly half that value.

A major wildfire outbreak erupted in portions of California starting during the month of October, killing at least 43 people and injuring 185 others. Nearly two-dozen fires were ignited as the blazes – notably the Central LNU Complex Fire around the town of Santa Rosa – would aggregate together as the most damaging event on record in the state. Data from CalFire indicated that nearly 9,300 structures were damaged, of which more than 8,560 were destroyed. The worst damage was noted in Napa, Sonoma, Mendocino, Lake, Solano, Butte, and Yuba counties. The California Department of Insurance cited that at least 19,000 residential, commercial and auto claims had already been filed with payouts exceeding USD3.32 billion. This total was expected to rise to as high as USD8.0 billion as additional claims are processed. On aggregated basis, this is costliest insured wildfire event ever recorded. Overall economic losses will be even higher.

An active stretch of severe weather prompted isolated tornado touchdowns, damaging straight-line winds, large hail and flash flooding across parts of the Central U.S. on October 14-15. No serious injuries or fatalities were reported, though widespread damage occurred in parts of the Plains, Midwest and the Northeast. Damage was noteworthy in the Chicago, IL metro region after record rainfall prompted flash flooding and several rivers to overflow their banks. Total economic damage was estimated at roughly USD250 million. Public and private insurers cited payouts exceeding USD125 million.

A strong cold front brought an outbreak of severe weather to western portions of the Carolinas and Virginia from October 23-24. Extensive damage occurred in some communities as multiple tornadoes touched down and powerful wind gusts affected the region. Almost 100,000 customers were without power in the Carolinas. The same system also triggered powerful winds and high waves over the Great Lakes that caused disruption and minor damage in Michigan's Upper Peninsula. Total economic losses were estimated in excess of USD140 million; while insurers cited payouts nearing USD100 million.

A rapidly intensifying low pressure system, fueled by the remnants of Tropical Storm Philippe, brought a swath of damaging winds and heavy rain to Mid-Atlantic and Northeast through October 30. Rainfall totals of up to 5.0 inches were widely observed across multiple states while the highest wind gusts were observed in New England. Nearly 1.5 million customers were left without power in New England on October 30 while extensive wind- and flood-induced damage was reported. Multiple downed trees and power lines additionally caused disruption to travel and transportation as roads and railway lines were blocked. Total economic and insured losses were expected to exceed USD100 million.

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/04-10/06	Hurricane Nate	Central America	44	10,000+	250+ million
10/16-10/18	Severe Weather	Canada	0	2,000+	10s of millions
10/29-10/30	TS Philippe (remnants)	Canada	0	Thousands	10s of millions

Hurricane Nate impacted multiple Central American countries before making landfall in southern United States on October 7 as a Category 1 hurricane. The storm caused significant economic damage across Panama, Costa Rica, Nicaragua, El Salvador, Honduras, and Guatemala and left at least 44 fatalities along its path. Costa Rica bore the brunt of the storm as it sustained severe damage to infrastructure and agriculture. Major residential and infrastructure impacts were also noted elsewhere. Total economic losses were estimated at up to USD250 million, of which USD185 million was in Costa Rica alone.

A deep low pressure system brought powerful wind gusts and heavy rainfall to portions of Canada's British Columbia, Alberta, Saskatchewan, and Manitoba provinces from October 16-18. Extensive damage including toppled trees and power lines, damaged vehicles, structural damage to roofs and sidings, and damage caused by airborne debris was noted. Damage to agricultural structures was additionally noted and extensive power outages ensued due to damage to the grid. There were no reports of any casualties. Early indications were that both insured and economic losses would reach into the tens of millions (USD).

Heavy rainfall and gusty winds associated with the remnants of Tropical Storm Philippe brought widespread damage to parts of Canada's Ontario and Quebec provinces from October 29-30. Most damage resulted from flood inundation and downed trees and power lines onto homes, businesses and vehicles. At the event's peak, hundreds of thousands of customers were without electricity. Total economic and insured losses were estimated into the tens of millions (USD).

South America

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

There were no significant natural disaster events in South America during the month of October.

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
09/30-10/02	Flooding	Norway	0	2,300	100+ million
10/04-10/06	WS Xavier	Germany, Poland	9	2,000+	250+ million
10/15-10/16	Wildfire	Portugal, Spain	49	1,400+	500+ million
10/16-10/17	Ex-HU Ophelia	Ireland, United Kingdom	3	Hundreds	100+ million
10/29	WS Herwart	Central Europe	10	Thousands	100s of millions

Significant flooding impacted the southern Norwegian counties of Vest-Agder and Aust-Agder from September 30 through October 2. Excessive rainfall, brought by two successive low pressure systems, prompted several rivers to burst their banks, most notably the Tovdalselva River. Although no fatalities were reported, the floods caused property damage and widespread disruption and left dozens of people temporarily evacuated or isolated. The Norwegian insurance sector estimated losses at NOK500 million (USD63 million).

The second European windstorm of the current season, named Xavier by the Free University of Berlin, swept through the British Isles and the Netherlands, before impacting northern Germany and western Poland on Thursday, October 5. The system was relatively small in size but generated powerful wind gusts. Xavier left moderate damage throughout the affected region, while leaving public transportation services temporarily paralyzed in Berlin. At least seven storm-related fatalities were reported from Germany and two were reported in Poland. Actuarial firm MSK estimated that the cost for German insurers could reach EUR200 million (USD235 million).

A significant wildfire outbreak swept across parts of Portugal and Spain on October 15, leaving at least 49 people dead and many more injured. The fires swept through numerous districts that caused devastating impacts for the forestry industry as major swaths were entirely burned down. According to a governmental survey, 900 homes were destroyed in Portugal, along with 500 businesses that were affected. This is the second major outbreak of wildfires in 2017 in this region, as the current acreage burned in Portugal is the highest on record dating to 1980. Economic losses will likely reach well into hundreds of millions EUR. The Portuguese Association of Insurers revealed that total insured losses will likely exceed EUR200 million (USD232 million), generating the costliest event for the local insurance industry on record.

The remnants of Hurricane Ophelia impacted Ireland and the United Kingdom from October 16-17, bringing powerful and damaging wind gusts. Although Ophelia reached Ireland as a weakened, extratropical low, it lost its major hurricane status only after passing the Azores Islands, thus becoming the easternmost major Atlantic hurricane on record. High winds in Ireland and the United Kingdom caused moderate damage. Total economic and insured losses were in excess of USD100 million.

Windstorm Herwart swept through Central Europe on October 29 prompting widespread damage and disruption due to high winds and flooding along the North Sea coast caused by a large storm surge. Among the worst affected countries were Germany, Austria and the Czech Republic. At least ten people died, while the insurance sector counted losses that will likely end up in the hundreds of millions USD. Overall economic losses were even higher.

Middle East

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

There were no significant natural disaster events in Middle East during the month of October.

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/09-10/10	Severe Weather	South Africa	11	500+	200+ million

Rounds of severe thunderstorm impacted portions of northeastern and eastern South Africa on October 9 and 10. Large hail, severe winds and torrential rainfall caused widespread property and motor damage as hundreds of homes lost their roofs and widespread urban flooding ensued around Johannesburg and Durban. Eight fatalities were confirmed and dozens more were injured. Local insurers expected losses around ZAR1.5 billion (USD105 million). Overall economic losses were even higher.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/01-10/10	Flooding	China	23	28,800+	494+ million
10/09-10/12	Flooding	China	0	400+	77+ million
10/10-10/15	Flooding	Vietnam	98	18,000+	10s of millions
10/10-10/25	Flooding	Thailand	9	121,000+	Millions+
10/13-10/17	Typhoon Khanun	Philippines, China, Vietnam	1	Thousands	300+ million
10/18-10/23	Typhoon Lan	Japan, Philippines	17	10,000+	1.0+ billion
10/22	Avalanche	Mongolia	17	N/A	N/A
10/28-10/30	Typhoon Saola	Japan	0	Hundreds	10s of millions

Persistent heavy rainfall over the upper and middle reaches of China's Yangtze River basin region led to extensive flooding in six central provinces during the first 10 days of October. The flooding claimed 23 lives and rendered almost 35,000 people homeless. The worst impacts were noted in Chongqing, Henan, and Hubei though Shaanxi, Sichuan, and Anhui also sustained notable losses. Widespread damage to property (28,800 homes damaged or destroyed) and agriculture (232,600 hectares of land affected) occurred. China's Ministry of Civil Affairs reported economic losses of CNY3.3 billion (USD494 million).

Flooding in China's Hebei and Shanxi provinces prompted economic losses of CNY510 million (USD77 million) from October 9-12. At least 100 homes were destroyed and a further 300 sustained damage in Shanxi province alone where the area of affected crops reached 50,100 hectares (123,800 acres).

Tropical Depression 23W made landfall over central Vietnam on October 10 and triggered multiple days of torrential downpours. Extensive flooding ensued that left approximately 98 people dead or missing. Damage was noted to at least 18,000 homes while landslides and washouts caused severe disruption to travel and transportation throughout the north of the country. The worst affected provinces were Hà Tĩnh, Quảng Bình, Nghệ An, Quảng Tri, Thừa Thiện-Huế, Thanh Hóa, Hòa Bình, and Yên Bái.

More than 121,000 households in Thailand's Central Plains provinces were affected by flooding along the length of the Chao Phraya River and its major tributaries from October 10-25. At least nine people were killed as 76 districts in 22 provinces endured some degree of flooding. Almost 2,700 communities were impacted in total and more than 480,000 hectares (1.2 million acres) of farmland was damaged or destroyed. Significant losses to livestock were also noted.

Typhoon Khanun made landfall in southern China on October 16, causing widespread damage and disruption. The cyclone's remnants would later track into Vietnam and bring additional rainfall to a region already coping with severe flooding and landslides. Khanun became just the eighth typhoon of the 2017 Northwest Pacific Typhoon Season, and the fifth landfalling typhoon in the basin. Economic losses in China were minimally listed at CNY1.35 billion (USD204 million), majority of which was sustained by Guangdong province.

Super Typhoon Lan became the 21st named storm, ninth typhoon, and second super typhoon of the North West Pacific Typhoon Season last week as it lashed parts of the Philippines and Japan with powerful wind gusts and torrential rainfall. The ensuing flooding and landslides claimed at least 17 lives; nine in the Philippines and eight in Japan. Lan additionally caused extensive damage to homes across both countries prompting damage to more than 6,200 in Japan and 1,100 in the Philippines. Widespread disruption to travel and transportation was also noted as hundreds of flights and rail services were cancelled and damage was sustained to multiple roads. Total economic damage was estimated in excess of USD1.0 billion; while local insurers cited payouts in the hundreds of millions (USD).

Seventeen mountain climbers were killed by an avalanche in Central Mongolia on October 22. The incident occurred on Otgontenger Mountain in the Khangai mountain range, located in Zavkhan province. Despite a large rescue operation, coordinated by Mongolia's National Emergency Management Agency, no survivors were found at the site located at an altitude of approximately 3,400 meters (11,150 feet).

Typhoon Saola tracked through Japan's Ryukyu Islands on October 28 before moving along the south coast of the country's main islands from October 29-30. Saola brought torrential rainfall to several localities that triggered flooding and disruption. There were no reports of any fatalities however at least 14 people were injured. Damage was additionally noted to dozens of homes, particularly in Kagoshima prefecture. Both economic and insured losses were expected to reach into the 10s of millions (USD).

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/15-10/19	Flooding	Australia	7	Hundreds	10s of millions

A lingering trough of low pressure, close to Australia's Queensland coast, prompted thunderstorms and prolonged spells of heavy rainfall that led to flooding from October 15-19. At least seven people were killed, six of who were on a trawler that capsized in rough seas. Several rivers and creeks overflowed inundating multiple communities. Approximately 14,000 power outages were reported at the peak of the inclement weather.

Appendix

Updated 2017 Data: January – September

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/03	Severe Weather	Southeast, Plains	6	10,000+	250+ million
01/06-01/13	Winter Weather	Pacific Northwest, Southwest, Rockies	5	40,000+	700+ million
01/06-01/08	Winter Weather	Southeast, East Coast	5	Thousands	Millions
01/13-01/18	Winter Weather	Plains, Midwest	7	Thousands	Millions
01/17-01/19	Winter Weather	West, Rockies	4	Thousands	Millions
01/18-01/23	Severe Weather	Southeast, Plains, West, Northeast	21	100,000+	1.3+ billion
01/19-01/25	Winter Weather	West, Rockies, Plains, Midwest	5	Thousands	Millions
02/07-02/08	Severe Weather	Southeast	1	10,000+	175+ million
02/08-02/09	Winter Weather	Mid-Atlantic, Northeast	1	Unknown	Millions+
02/12-02/14	Flooding	California	0	N/A	200+ million
02/12-02/14	Winter Weather	Upper Mid-Atlantic, Northeast	1	Thousands	Millions+
02/14	Severe Weather	Texas	0	Hundreds	Millions+
02/16-02/18	Flooding	California	7	25,000+	800+ million
02/19-02/21	Flooding	California	1	10,000+	500+ million
02/19-02/20	Severe Weather	Texas	0	20,000+	225+ million
02/24-02/25	Severe Weather	Northeast, Mid-Atlantic	0	Thousands	Millions+
02/27-03/02	Severe Weather	Midwest, Southeast, Mid-Atlantic	4	175,000+	1.9+ billion
03/06-03/10	Severe Weather	Midwest, Plains, Southeast	0	250,000+	2.1+ billion
03/07-03/09	Wildfires	Plains, Rockies, Florida	7	Hundreds	100+ million
03/13-03/15	Winter Weather	Plains, Midwest, Southeast, Northeast	11	Thousands	1.0+ billion
03/20-03/22	Severe Weather	Southeast, Midwest	1	75,000+	975+ million
03/26-03/28	Severe Weather	Plains, Southeast, Midwest	0	200,000+	2.75+ billion
03/28-03/31	Severe Weather	Plains, Southeast, Midwest, Mid-Atlantic	1	30,000+	325+ million
04/01-04/03	Severe Weather	Plains, Southeast	5	30,000+	350+ million
04/04-04/06	Severe Weather	Plains, Mississippi Valley, Southeast	0	90,000+	900+ million
04/07-04/08	Severe Weather	West	1	10,000+	125+ million
04/09-04/11	Severe Weather	Plains, Midwest	1	30,000+	325+ million
04/14-04/20	Severe Weather	Plains, Midwest	0	Thousands	100+ million
04/21-04/26	Severe Weather	Plains, Midwest, Southeast, Mid-Atlantic	1	70,000+	950+ million
04/25-04/27	Severe Weather	Plains, Midwest, Southeast	0	15,000+	125+ million
04/28-05/01	Severe Weather	Midwest, Plains, Southeast, MS Valley	20	100,000+	2.0+ billion
05/02-05/05	Severe Weather	Plains, Mississippi Valley, Southeast	0	20,000+	175+ million
05/08-05/11	Severe Weather	Rockies, Plains	0	250,000+	3.25+ billion
05/15-05/19	Severe Weather	Plains, Midwest, Rockies	3	70,000+	975+ million
05/20-05/24	Severe Weather	Plains, Midwest, MS Valley, Southeast	1	Thousands	Millions
05/25-05/29	Severe Weather	Plains, Midwest, Mid-Atlantic, Rockies	2	40,000+	500+ million
06/02-06/07	Flooding	Florida	0	Thousands	Millions

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/02-06/04	Severe Weather	Plains	0	15,000+	175+ million
06/11	Severe Weather	Midwest	0	110,000+	2.0+ billion
06/12-06/14	Severe Weather	Plains, Rockies	0	70,000+	1.0+ billion
06/15-06/19	Severe Weather	Plains, Midwest, Northeast	0	55,000+	525+ million
06/21-06/23	TS Cindy	Southwest	2	Hundreds	Millions
06/27-06/30	Severe Weather	Plains, Midwest, Northeast	0	90,000+	1.0+ billion
07/01-07/31	Wildfire	West	0	Hundreds	Millions
07/09-07/12	Severe Weather	Plains, Midwest, Ohio Valley	1	Thousands	170+ million
07/12-07/24	Flooding	Illinois	0	2,100+	Millions
07/15	Flooding	Arizona	10	N/A	N/A
07/19-07/20	Severe Weather	Midwest	0	Hundreds	Millions
07/21-07/23	Severe Weather	Plains, Midwest, Mid-Atlantic	4	40,000+	450+ million
07/31	TS Emily	Florida	0	Hundreds	≤10 million
08/01	Flooding	Southeast	0	1,000+	10s of millions
08/05-08/08	Severe Weather	Plains, Midwest, Southeast	0	15,000+	325+ million
08/10-08/11	Severe Weather	Plains, Midwest	0	Thousands	100+ million
08/16	Severe Weather	Plains, Midwest	0	Thousands	10s of millions
08/21-08/22	Severe Weather	Midwest, Ohio Valley, Northeast	1	Thousands	Millions+
08/25-09/02	Hurricane Harvey	Plains, Southeast	84	800,000+	90+ billion
08/29-09/30	Wildfires	West	0	Hundreds	100+ million
09/10-09/12	Hurricane Irma	Southeast	80	1.0 million	45+ billion
9/26-9/28	Hurricane Maria	North Carolina	0	Unknown	Millions

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/24-01/27	Winter Weather	Canada	2	Hundreds	10s of Millions
03/08	Severe Weather	Canada	1	14,500+	145+ million
03/11	Winter Weather	Canada	0	5,000+	130+ million
04/15-05/10	Flooding	Canada	0	Thousands	Millions
04/20-04/23	Flooding	Jamaica, Haiti, Dominican Republic	2	Thousands	Millions
05/05-05/10	Flooding	Canada	2	Thousands	10s of millions
05/05-05/20	Flooding	Canada	2	5,200+	100s of millions
05/23-05/24	Severe Weather	Canada	0	7,000+	83+ million
06/01	TS Beatriz	Mexico	6	Hundreds	Millions
06/02	Severe Weather	Canada	0	7,000+	50+ million
06/10-06/11	Flooding	Honduras, Guatemala	4	Hundreds	10s of millions
07/07-09/27	Wildfire	Canada	0	2,200+	120+ million
07/12-07/13	Severe Weather	Canada	0	4,000+	42+ million
07/15-07/27	Wildfire	Canada	0	6,000+	105+ million
07/23	Severe Weather	Canada	0	10,000+	86+ million
07/27-07/29	Severe Weather	Canada	0	7,000+	70+ million
08/07-08/10	Hurricane Franklin	Mexico	0	2,000+	Millions
08/28-08/29	Flooding	Canada	0	6,600+	306+ million
09/01-09/02	TS Lidia	Mexico	20	Thousands	Millions
09/05-09/09	Hurricane Irma	Caribbean, Bahamas	44	50,000+	15+ billion
09/07 & 09/23	Earthquake	Mexico, Guatemala	98	50,000+	1.25+ billion
09/18-09/21	Hurricane Maria	Caribbean	98+	50,000+	10s of Billions
09/19	Earthquake	Mexico	370	50,000+	4.5+ billion

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-02/01	Wildfire	Chile	11	2,500+	870+ million
01/01-04/01	Flooding	Peru	120	245,000+	3.1+ billion
02/24-02/26	Flooding	Chile	6	Hundreds	Millions
03/17-03/27	Flooding	Colombia	12	Hundreds	Millions+
04/01	Flooding	Colombia	420	2,500+	10s of millions
04/19	Landslide	Colombia	24	100+	Millions
05/26-05/29	Flooding	Brazil	14	Thousands	100+ million
05/24-06/19	Flooding	Uruguay, Argentina	0	Thousands	10s of millions
06/16-06/17	Flooding	Chile	4+	+008	100s of millions

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/02-01/13	Winter Weather	Central, Eastern, Southeastern Europe	76	Thousands	10s of millions
01/12-01/13	WS Dieter & Egon	France, Germany	0	25,000+	450+ million
01/18	Earthquake	Italy	30	Hundreds	TBD
01/20-01/24	Severe Weather	Spain, France, Italy	3	Hundreds	Millions
02/03-02/06	EU Windstorms	Spain, France	2	Thousands	Millions+
02/23-02/24	WS Thomas	Western & Central Europe	3	Thousands	475+ million
03/06-03/07	WS Zeus	France	2	Thousands	550+ million
04/19-04/24	Winter Weather	Germany, Austria, Switzerland, Italy	0	Thousands	300+ million
05/29	Severe Weather	Russia	16	Thousands	Millions
06/12	Earthquake	Greece, Turkey	1	1,100+	10s of millions
06/17-06/18	Wildfire	Portugal	64	1,000+	565+ million
06/22-06/25	Severe Weather	Central & Southern Europe	4	Thousands	550+ million
05/01-07/31	Drought	Italy	N/A	N/A	2.3+ billion
07/08-07/08	Flooding	Switzerland	0	6,000+	120+ million
07/17-07/18	Wildfires	Balkans, Portugal, France, Italy	0	Hundreds	Millions
07/21	Earthquake	Greece, Turkey	2	Hundreds	100+ million
07/21-07/27	Severe Weather	Central & Southern Europe	0	Thousands	10s of millions
08/05-08/06	Flooding	Austria, Italy, Balkans	7	Thousands	100+ million
08/10-08/11	Severe Weather	Poland, Czech Republic, Slovakia	6	Thousands	587+ million
08/18-08/19	Severe Weather	Central Europe	5	Thousands	200+ million
09/09-09/10	Flooding	Italy	9	1,000+	250+ million
09/11	Flooding	Croatia	0	Hundreds	160+ million
09/12-09/13	WS Sebastian	UK, Netherlands, Germany	3	Hundreds	10s of millions
09/17	Severe Weather	Romania	8	7,000+	10s of millions

Middle East

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
04/14-04/15	Flooding	Iran	48	Hundreds	353+ million
05/13	Earthquake	Iran	3	Thousands	Millions
07/17-07/18	Flooding	Turkey	0	7,000+	200+ million
07/27	Severe Weather	Turkey	0	22,000+	650+ million
08/11	Flooding	Iran	51	Thousands	35+ million
08/30	Flooding	Yemen	18	Thousands	10+ million

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-03/31	Drought	Somalia, Ethiopia, Kenya	100s	N/A	1.9+ billion
01/01-03/31	Flooding	Zimbabwe	271	Thousands	200+ million
01/01-06/01	Drought	South Africa	N/A	N/A	100+ million
01/05-01/12	Flooding	South Africa, Angola	7	5,000+	Millions
02/15-02/16	Cyclone Dineo	Mozambique	7	107,204+	17+ million
03/07	Cyclone Enawo	Madagascar	99	85,000+	20+ million
03/19	Severe Weather	Ghana	19	0	N/A
03/21-03/24	Flooding	Angola	11	5,300+	Millions
05/08-05/16	Flooding	Kenya, Tanzania	33	Thousands	194+ million
06/07-06/08	Severe Wx & Wildfires	South Africa	11	Thousands	500+ million
06/10-06/16	Flooding	Niger, Ivory Coast	27+	700+	10s of millions
07/08-07/09	Flooding	Nigeria	20	Hundreds	5.0+ million
07/10	Flooding	Niger	23	2,405	Millions
08/14	Landslide	Sierra Leone	~1,050	1,100+	Millions
08/16	Landslide	DR Congo	200+	50+	Negligible
09/19	Flooding	Democratic Republic of Congo	105	Hundreds	1.0+ million
09/26	Flooding	Uganda	25	Hundreds	1.0+ million

Asia

01/01-01/31 Flooding Malaysia 0 Thousands 132+million 01/01-01/23 Prooding Malaysia 0 Thousands 132+million 01/10-06/30 Drought North Korea, South Korea N/A N/A 90+million 01/12-01/16 Flooding Philippines 11 Hundreds Unknown 01/12-01/16 Flooding Philippines 11 1,000 8.1+million 01/22-01/24 Flooding Pakistan 5 Hundreds Unknown 01/22-01/24 Flooding Pakistan 5 Hundreds Unknown 01/22-01/26 Winter Weather Afghanistan 31 N/A Unknown 01/25-01/26 Winter Weather Afghanistan 15 2,000+ Millions 01/28 Earthquake China 0 14,000+ 55+million 01/29-02/12 Flooding Indonesia 12 18,000+ Millions 02/10-02/5 Winter Weather Afghanistan, Pakistan 158	Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-06/30 Drought North Korea, South Korea N/A N/A 90 + million 01/12-01/16 Flooding Philippines 11 Hundreds Unknown 01/16-01/31 Flooding Philippines 11 1,000+ 8.1 + million 01/22-01/24 Flooding Pakistan 5 Hundreds Unknown 01/22-01/25 Winter Weather Afghanistan 31 N/A Unknown 01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/25-01/30 Flooding Indonesia 15 2,000+ Millions 01/26 Earthquake China 0 14,000+ 55+million 02/10 Earthquake Philippines 8 7,200+ Millions 02/10 Earthquake Philippines 8 7,20+ 40+ million 02/10 Earthquake Philippines 8 7,20+ 40+	01/01-01/31	Flooding	Thailand	96	585,000+	
01/12-01/16 Flooding Philippines 11 Hundreds Unknown 01/16-01/31 Flooding Philippines 11 1,000+ 8.1+million 01/20 Landslide China 12 One Unknown 01/22-01/24 Flooding Pakistan 5 Hundreds Unknown 01/22-01/25 Winter Weather Afghanistan 31 N/A Unknown 01/25-01/30 Winter Weather India 11 2,000+ Millions 01/28-01/30 Flooding Indonesia 1 2,000+ 55+million 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/09-02/12 Flooding Indonesia 12 18,000+ Millions 02/10-02/15 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/17-02/19 Winter Weather Afghanistan, Pakistan <t< td=""><td>01/01-01/23</td><td>Flooding</td><td>Malaysia</td><td>0</td><td>Thousands</td><td>132+ million</td></t<>	01/01-01/23	Flooding	Malaysia	0	Thousands	132+ million
01/16-01/31 Flooding Philippines 11 1,000+ 8.1+ million 01/20 Landslide China 12 One Unknown 01/22-01/24 Flooding Pakistan 5 Hundreds Unknown 01/25-01/26 Winter Weather Afghanistan 31 N/A Unknown 01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/28 Earthquake China 0 14,000+ 55+ million 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/10 Earthquake Afghanistan, Pakistan 58 N/A N/A 02/10 Earthquake Afghanistan, Pakistan 58 N/A N/A 02/11 Drought Sri Lanka N/A N/A N/A	01/01-06/30	Drought	North Korea, South Korea	N/A	N/A	90+ million
01/20 Landslide China 12 One Unknown 01/22-01/24 Flooding Pakistan 5 Hundreds Unknown 01/24-01/25 Winter Weather Afghanistan 31 N/A Unknown 01/25-01/30 Flooding India 11 N/A Unknown 01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/28 Earthquake China 0 14,000+ 55+ million 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/10 Earthquake Philippines 8 7,200+ Millions 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/10 Drought Sri Lank N/A N/A N/A 01/01-05/01 Drought Sri Lank N/A N/A 10s of millions	01/12-01/16	Flooding	Philippines	11	Hundreds	Unknown
01/22-01/24 Flooding Pakistan 5 Hundreds Unknown 01/24-01/25 Winter Weather Afghanistan 31 N/A Unknown 01/25-01/26 Winter Weather India 11 N/A Unknown 01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/28 Earthquake China 0 14,000+ 55+ million 02/09-02/12 Flooding Indonesia 12 18,000+ Millions 02/10-02/10 Earthquake Philippines 8 7,200+ Millions+ 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Afghanistan, Pakistan 58 N/A N/A 03/01 Severe Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Afghanistan, Pakistan 58 N/A N/A 03/03 Tologht Afghanistan, Pakistan 58 N/A	01/16-01/31	Flooding	Philippines	11	1,000+	8.1+ million
01/24-01/25 Winter Weather Afghanistan 31 N/A Unknown 01/25-01/30 Winter Weather India 11 N/A Unknown 01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/28 Earthquake China 0 14,000+ 55+million 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/09-02/12 Flooding Indonesia 12 18,000+ Millions+ 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/17-02/19 Winter Weather Afghanistan, Pakistan 8 7,200+ 40+ millions 02/10 Earthquake Philippines 8 7,200+ 40+ millions 03/01 Drought Srathanistan, Pakistan 7 8 N/A N/A 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/14-03/29 Severe Weather Thailand 3	01/20	Landslide	China	12	One	Unknown
01/25-01/26 Winter Weather India 11 N/A Unknown 01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/28 Earthquake China 0 14,000+ 55+ million 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/09-02/12 Flooding Indonesia 12 18,000+ Millions+ 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 03/10 Drought Afghanistan, Pakistan 58 N/A N/A 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/14-03/29 Severe Weather China 0 45,000+ Millions 03/28-04/15 Flooding Bangadesh 0 7,000+ Mil	01/22-01/24	Flooding	Pakistan	5	Hundreds	Unknown
01/25-01/30 Flooding Indonesia 1 2,000+ Millions 01/28 Earthquake China 0 14,000+ 55+ million 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/09-02/12 Flooding Indonesia 12 18,000+ Millions+ 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Sri Lanka N/A N/A N/A N/A 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/127 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/04-04/09 Earthquake Philippines 0 5,00	01/24-01/25	Winter Weather	Afghanistan	31	N/A	Unknown
01/28 Earthquake China 0 14,000+ 55+ million 02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/09-02/12 Flooding Indonesia 12 18,000+ Millions+ 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Sri Lanka N/A N/A N/A 10 sof millions 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/127 Earthquake China 0 45,000+ 50+ million 03/27 Earthquake China 0 Thousands 352+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/04-04/09 Earthquake Philippines 0	01/25-01/26	Winter Weather	India	11	N/A	Unknown
02/01-02/05 Winter Weather Afghanistan, Pakistan 159 325+ Unknown 02/09-02/12 Flooding Indonesia 12 18,000+ Millions+ 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Scalanka N/A N/A 10s of millions 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/12-03/29 Severe Weather Thailand 3 6,000+ Millions 03/12-03/27 Earthquake China 0 Thousands 352+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5	01/25-01/30	Flooding	Indonesia	1	2,000+	Millions
02/09-02/12 Flooding Indonesia 12 18,000+ Millions+ 02/10 Earthquake Philippines 8 7,200+ 40+ million 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Sri Lanka N/A N/A 10s of millions 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/127 Earthquake China 0 45,000+ 50+ million 03/27 Earthquake China 0 Thousands 352+ million 03/27 Earthquake Philippines 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/15 TD 02W Philippines 10 170+ Millions 04/16-04/10	01/28	Earthquake	China	0	14,000+	55+ million
02/10 Earthquake Philippines 8 7,200+ 40+ million 02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Sri Lanka N/A N/A N/A 10s of millions 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/14-03/29 Severe Weather Thailand 3 6,000+ Millions 03/27 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,30+ 36+ million 04/15-04/17 Severe Weather China 0 3,	02/01-02/05	Winter Weather	Afghanistan, Pakistan	159	325+	Unknown
02/17-02/19 Winter Weather Afghanistan, Pakistan 58 N/A N/A 01/01-05/01 Drought Sri Lanka N/A N/A N/A 10s of millions 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/14-03/29 Severe Weather Thailand 3 6,000+ Millions 03/27 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/04-04/09 Earthquake Philippines 10 5,000+ Million 04/04-04/09 Earthquake Philippines 10 170+ Million 04/15-04/17 Severe Weather China 10	02/09-02/12	Flooding	Indonesia	12	18,000+	Millions+
01/01-05/01 Drought Sri Lanka N/A N/A 10s of millions 03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/14-03/29 Severe Weather Thailand 3 6,000+ Millions 03/27 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/15-04/17 Severe Weather Pakistan 11 Hundreds Unknown 04/129 Heatwave Flooding 11 Hundreds Unk	02/10	Earthquake	Philippines	8	7,200+	40+ million
03/01 Severe Weather China 7 13,700+ 28+ million 03/03 Flooding Indonesia 8 3,482+ 19+ million 03/14-03/29 Severe Weather Thailand 3 6,000+ Millions 03/27 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15-04/17 Severe Weather China 2 2,300+ 36+ million 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/22 Heatwave India 10 N/A N/A 04/29 Landslide Kyrgyzstan 24 11+ Unknown <t< td=""><td>02/17-02/19</td><td>Winter Weather</td><td>Afghanistan, Pakistan</td><td>58</td><td>N/A</td><td>N/A</td></t<>	02/17-02/19	Winter Weather	Afghanistan, Pakistan	58	N/A	N/A
03/03 Flooding Indonesia 8 3,482+ 19+ million 03/14-03/29 Severe Weather Thailand 3 6,000+ Millions 03/27 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15-04/17 Severe Weather China 2 2,300+ 36+ million 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/15-04/17 Severe Weather Pakistan 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown	01/01-05/01	Drought	Sri Lanka	N/A	N/A	10s of millions
03/14-03/29 Severe Weather Thailand 3 6,000+ Millions 03/27 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15 TD 02W Philippines 10 170+ Millions 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/20-04/22 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown <	03/01	Severe Weather	China	7	13,700+	28+ million
03/27 Earthquake China 0 45,000+ 50+ million 03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15 TD 02W Philippines 10 170+ Millions 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/20-04/22 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01-08/32 Plooding China 17 15,000+ 225+ million	03/03	Flooding	Indonesia	8	3,482+	19+ million
03/28-04/15 Flooding Bangladesh 0 Thousands 352+ million 04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15 TD 02W Philippines 10 170+ Millions 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/20-04/22 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A N/A 2.5+ billion 05/01-08/02 Flooding China 17 15,000+ 225+ million <td>03/14-03/29</td> <td>Severe Weather</td> <td>Thailand</td> <td>3</td> <td>6,000+</td> <td>Millions</td>	03/14-03/29	Severe Weather	Thailand	3	6,000+	Millions
04/01 Landslide Indonesia 28 23+ 11+ million 04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15 TD 02W Philippines 10 170+ Millions 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/15-04/17 Severe Weather Pakistan 10 N/A N/A 04/20 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01-08/31 Drought China 17 15,000+ 225+ million 0	03/27	Earthquake	China	0	45,000+	50+ million
04/04-04/09 Earthquake Philippines 0 5,000+ Millions 04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15 TD 02W Philippines 10 170+ Millions 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/20-04/22 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/01 Severe Weather China 17 15,000+ 225+ million 05/11 Earthquake China 7 5,000+ Millions 05/12-05	03/28-04/15	Flooding	Bangladesh	0	Thousands	352+ million
04/08-04/10 Severe Weather China 2 2,300+ 36+ million 04/15 TD 02W Philippines 10 170+ Millions 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/15-04/17 Severe Weather India 10 N/A N/A 04/20-04/22 Heatwave India 10 N/A N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions	04/01	Landslide	Indonesia	28	23+	11+ million
04/15 TD 02W Philippines 10 170+ Millions 04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/20-04/22 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ Millions 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million	04/04-04/09	Earthquake	Philippines	0	5,000+	Millions
04/15-04/17 Severe Weather China 0 3,800+ 41+ million 04/20-04/22 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million	04/08-04/10	Severe Weather	China	2	2,300+	36+ million
04/20-04/22 Heatwave India 10 N/A N/A 04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million	04/15	TD 02W	Philippines	10	170+	Millions
04/22 Severe Weather Pakistan 11 Hundreds Unknown 04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million	04/15-04/17	Severe Weather	China	0	3,800+	41+ million
04/29 Landslide Kyrgyzstan 24 11+ Unknown 04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+	04/20-04/22	Heatwave	India	10	N/A	N/A
04/29 Flooding Indonesia 10 71+ Unknown 05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+	04/22	Severe Weather	Pakistan	11	Hundreds	Unknown
05/01-08/31 Drought China N/A N/A 2.5+ billion 05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	04/29	Landslide	Kyrgyzstan	24	11+	Unknown
05/01 Severe Weather Bangladesh 12 Unknown Unknown 05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	04/29	Flooding	Indonesia	10	71+	Unknown
05/07-05/20 Flooding China 17 15,000+ 225+ million 05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/01-08/31	Drought	China	N/A	N/A	2.5+ billion
05/11 Earthquake China 8 59,300+ 294+ million 05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/01	Severe Weather	Bangladesh	12	Unknown	Unknown
05/12-05/15 Flooding Indonesia 7 5,000+ Millions 05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/07-05/20	Flooding	China	17	15,000+	225+ million
05/13-05/15 Severe Weather China 1 5,000+ 147+ million 05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/11	Earthquake	China	8	59,300+	294+ million
05/20-05/24 Severe Weather China 9 20,000+ 294+ million 05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/12-05/15	Flooding	Indonesia	7	5,000+	Millions
05/25-05/31 Flooding Sri Lanka ~290 23,000+ 197+ million 05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/13-05/15	Severe Weather	China	1	5,000+	147+ million
05/29-05/31 Cyclone Mora Bangladesh, Myanmar 9 50,000+ 100+ million 05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/20-05/24	Severe Weather	China	9	20,000+	294+ million
05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/25-05/31	Flooding	Sri Lanka	~290	23,000+	197+ million
05/31-06/05 Flooding China, Taiwan 4 10,100+ 368+ million 06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/29-05/31	Cyclone Mora		9	50,000+	100+ million
06/01-06/03 Flooding Indonesia 4 60,000+ 10s of millions	05/31-06/05	Flooding	China, Taiwan	4	10,100+	368+ million
				4		
	06/05-06/07		India	28	N/A	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/09-06/12	Flooding	China	11	11,500+	115+ million
06/10	Severe Weather	Pakistan	15	Hundreds	Millions
06/12-06/13	Flooding	China	1	1,500+	51+ million
06/12-06/13	Flooding	Bangladesh, India	169+	5,000+	10s of millions
06/15-06/21	Flooding	China	9	400+	93+ million
06/21-06/22	Severe Weather	China	2	400+	50+ million
06/23	Landslide	China	83	62+	Millions
06/30-07/04	Flooding	Pakistan	43	Hundreds	Unknown
06/22-07/05	Flooding	China	141	412,600	7.5+ billion
07/04-07/06	TS Nanmadol	Japan	37	2,600+	1.0+ billion
07/06	Earthquake	Philippines	3	3,758+	6.9+ million
07/06-07/11	Severe Weather	China	2	2,100+	67+ million
07/07-07/10	Flooding	Vietnam, Laos	19	Hundreds	1.0+ million
07/07-07/11	Flooding	China	22	18,900+	272+ million
07/08-07/12	Flooding	India, Pakistan, Bangladesh	53	115,000+	100s of millions
07/13-07/17	Flooding	China	20	58,100+	4.5+ billion
07/14-07/18	Flooding	China	0	3,200+	33+ million
07/14-07/18	Flooding	India	27	15,000+	450+ million
07/17	Flooding	Afghanistan	36	260+	Millions
07/17-07/18	TS Talas	China, Vietnam, Laos, Thailand	4	4,200+	44+ million
07/17-07/20	Flooding	China	11	3,200+	37+ million
07/18-07/25	Flooding	Thailand, Myanmar	23	12,500+	300+ million
07/19-07/21	Severe Weather	China	12	3,700+	48+ million
07/21-07/26	Flooding	India	53	Thousands	10s of millions
07/22-07/23	Flooding	South Korea	2	2,345+	51+ million
07/23	Earthquake	China	0	8,700+	8.0+ million
07/24-07/28	Severe Weather	China	13	6,500+	171+ million
07/25-07/28	TS Sonca	Vietnam, Laos, Cambodia, Thailand	12	4,176+	Millions
07/29-07/31	TY Nesat & TS Haitang	China, Taiwan, Philippines	1	10,000+	132+ million
08/02-08/03	Flooding	China	4	2,000	60+ million
08/02-08/05	Flooding	China	3	15,000+	327+ million
08/03	Flooding	Vietnam	40	Thousands	88+ million
08/06-08/09	Flooding	China	40	10,000+	315+ million
08/06-08/07	Flooding	Russia	0	2,200+	10s of millions
08/07-08/09	Typhoon Noru	Japan	2	Thousands	100s of Millions
08/08	Earthquake	China	25	72,500+	100s of Millions
08/08-08/09	Severe Weather	China	1	4,200+	17+ million
08/10-08/31	Flooding	Bangladesh	144+	717,600+	10s of millions
08/11-08/31	Flooding	Nepal	159+	235,400+	125+ million
08/11-08/31	Flooding	India	950+	Thousands	10s of millions
08/11-08/16	Flooding	China	18	12,600+	429+ million
08/12-08/13	Severe Weather	China	0	300+	54+ million
08/13					
00/13	Landslide	India	46	20+	Negligible

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
08/23-08/24	Typhoon Hato	Macau, Hong Kong, China	22	7,300+	3.5+ billion
08/25-08/28	Typhoon Pakhar	China	13	Thousands	56+ million
08/25-09/01	Flooding	China	0	4,700+	90+ million
08/29-08/30	Flooding	India	12	Thousands	500+ million
08/28	Flooding	China	35	Hundreds	2.5+ million
08/31	Flooding	Pakistan	25	Hundreds	1.0+ million
08/31-09/03	Severe Weather	China	2	Hundreds	93+ million
09/08-09/11	Flooding	China	19	5,800+	94+ million
09/12-09/15	Typhoon Doksuri	Philippines, China, Indochina	40	230,500+	500+ million
09/14-09/18	Typhoon Talim	Japan	5	7,230+	700+ million
09/16-09/17	Severe Weather	China	0	2,400+	1.0+ million
09/18-09/19	Flooding	China	1	2,400+	26+ million
09/24-09/30	Flooding	China	16	20,500+	361+ million

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/20-01/23	Flooding	French Polynesia	0	1,000+	Millions
02/09-02/13	Wildfires	Australia	0	1,200+	10s of Millions
02/09-02/16	Flooding	Australia	2	Thousands	100s of Millions
02/17-02/19	Severe Weather	Australia	1	53,700+	525+ million
03/07-03/12	Flooding	New Zealand	0	7,800+	90+ million
03/28-04/05	Cyclone Debbie	Australia	14	72,767+	2.4+ billion
04/09-04/14	Cyclone Cook	Vanuatu, New Caledonia, New Zealand	1	Thousands	Millions
05/04-05/10	Cyclone Donna	South Pacific Islands, New Zealand	2	Hundreds	Millions
07/21-07/23	Winter Weather	New Zealand	0	Thousands	10s of 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. Specific events may include modeled loss estimates determined from utilizing Impact Forecasting's suite of catastrophe model products.

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