



Global Catastrophe Recap

September 2015

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Executive Summary

- California wildfires destroy more than 2,000 homes; insured loss tops USD1.1 billion; costliest since 2007
- Magnitude-8.3 strikes off Chile coast as economic losses expected to approach USD1.0 billion
- Remnant moisture from TS Eta leads to flooding and USD250 million insured loss in Japan

Multiple wildfires raged across California during much of September, with the Valley Fire, northwest of San Francisco, and the Butte Fire, southeast of Sacramento, the most destructive of the fires. The Valley Fire left four people dead and destroyed 1,958 homes and other structures. Ninety-three others were damaged. It is the third-most damaging wildfire in state history. Total economic losses were estimated beyond USD1.5 billion; while insurers preliminarily estimated losses in excess of USD925 million. The Butte Fire left two people dead and destroyed 475 homes, 343 outbuildings, and damaged 45 other structures. It is the seventh-most damaging wildfire in state history. Total economic losses were estimated at USD450 million; while insurers preliminarily estimated losses in excess of USD225 million.

This is now the costliest and damaging year for wildfires in the United States since 2007.

Elsewhere, wildfires continued to pose problems in parts of Indonesia as officials declared 2015 the worst year for wildfires since 1997. One study reported that Indonesia would endure USD4.0 billion in direct and secondary economic losses from the fires in the regions of Sumatra and Kalimantan.

A magnitude-8.3 earthquake struck off the coast of central Chile on September 16, triggering a series of tsunami waves that came ashore in Chile and elsewhere across parts of the Pacific. More than one million residents were evacuated while 14 people died. Structural shaking from the tremor was felt throughout Chile and neighboring countries. Total economic losses were estimated near USD1.0 billion.

Elsewhere, a magnitude-6.6 earthquake struck eastern Indonesia on September 25. Dozens of individuals were injured as nearly 2,500 homes and other structures were damaged or destroyed.

Extensive flooding affected portions of Japan that left at least eight people dead. Nearly 20,000 homes were damaged or destroyed while thousands more properties and vehicles were inundated by floods and landslides. Japanese insurers estimated payouts of at least JPY30 billion (USD250 million).

Damaging floods were also reported in the United States, India, Myanmar, China, Burkina Faso, Nigeria, Spain, and throughout Central America and the Caribbean.

TY Djuan struck Taiwan and China, claiming at least three lives in Taiwan and injured hundreds of others. Damage was major in some parts of Taiwan and China as Djuan brought high winds and heavy rain. Combined economic losses were listed at USD680 million; insured losses were USD79 million.

Severe thunderstorms prompted economic losses of more than USD2.2 million in Italy at the beginning of the month as widespread damages were reported to structures, roofs, vehicles, and crops. Also at the start of September, 32 individuals were killed by lightning strikes in eastern India.

Drought conditions intensified across western Canada, as annual insurance claims in Alberta alone were estimated up to USD675 million. Nationally, economic losses were estimated beyond USD1.0 billion.

A severe sandstorm killed 12 people as it swept through portions of the Middle East.

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
9/09-10/30	Wildfires	California	7	10,000+	2.0+ billion
9/13-9/15	Flooding	Southwest	19	Thousands	Millions
9/24-9/28	Flooding	Northeast, Mid-Atlantic, Southeast	1	Thousands	Millions

Multiple wildfires raged across California during much of September aided by high temperatures, gusty winds, low humidity, dry soil conditions, and vast swathes of dried vegetation and brush. The Valley Fire, northwest of San Francisco, and the Butte Fire, southeast of Sacramento, were the most destructive of the fires. The Valley Fire left four people dead and destroyed 1,958 single-family homes, multi-family homes, commercial structures & other structures. Ninety-three others were damaged. It is the third-most damaging wildfire in state history. Total economic losses were estimated beyond USD1.5 billion; while insurers preliminarily estimated losses in excess of USD925 million. The Butte Fire left two people dead and destroyed 475 homes, 343 outbuildings, and damaged 45 other structures. It is the seventh-most damaging wildfire in state history. Total economic losses were estimated at USD450 million; while insurers preliminarily estimated losses in excess of USD225 million.

Flash floods affected portions of Utah, Arizona, and California during mid-September claiming the lives of 19 people in two separate incidents in southern Utah as flash-floods tore through Zion National Park and the town of Hildale. Record-breaking rainfall in Los Angeles prompted travel disruption and power outages to almost 12,000 homes while thunderstorms and heavy rain in Phoenix caused some damage to vehicles and power outages to approximately 18,000 homes.

An active weather pattern established across much of the eastern United States from September 24-28, bringing several inches of rain from the Southeast to New England. One person died in South Carolina. The most significant impacts resulted from flash floods and overflowing rivers and streams that damaged infrastructure and inundated homes and vehicles. Damage was most notable in parts the Carolinas and Virginia.

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/01-12/31	Drought	Canada	0	Unknown	1.0+ billion
9/22-9/28	Flooding	Central America, Caribbean	5	1,700+	Millions

Drought conditions continued to intensify across western Canada during September as a lack of rainfall wreaked havoc on agricultural interests. The province of Alberta was particularly affected, where a disaster was declared after more than 80 percent of farmers reported sustaining crop loss during the year. The Agriculture Financial Services Corporation (AFSC) indicated that it expected between CAD700 million and 900 million (USD525 million and 675 million) in crop insurance claims payouts in Alberta alone. This corresponds to an economic loss exceeding USD1.0 billion on a national basis.

Rainy season floods inundated several Central American and Caribbean countries from September 22-28, claiming at least five lives. Worst affected were Nicaragua, Guatemala, Panama, El Salvador, and the Dominican Republic. Nearly 750 homes were destroyed or damaged in Nicaragua where two fatalities were reported in Chinandega Department. Two fatalities were also reported in Guatemala where numerous rivers overflowed their banks inundating more than 100 homes. Panama and Santiago Cities, Panama, also endured flooding that prompted the evacuation of hundreds of residents and damaged at least 700 homes. Hundreds of residents were also evacuated in El Salvador where one fatality was reported while at least 50 homes were destroyed in the Dominican Republic as a result of flooding.

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
9/16	Earthquake	Chile	14+	10,000+	1.0+ billion

A major magnitude-8.3 earthquake struck just off the coast of central Chile on September 16, triggering a series of tsunami waves that came ashore in Chile and elsewhere across parts of the Pacific Ocean. More than one million residents were evacuated following the event along the entire coastline of Chile, Easter Island, and the Juan Fernandez Islands. At least 14 people were confirmed dead and 35 others were injured as the heaviest damage was sustained in the coastal Chilean cities of Coquimbo, Tongoy, Concon, and Los Vilos. Structural shaking from the tremor was also widely felt throughout Chile and neighboring countries. Total economic losses were estimated to be at least USD1.0 billion; while insurers expected claims payouts in the hundreds of millions (USD).

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
9/05	Severe Weather	Italy	0	Thousands	Millions
9/07	Flooding	Spain	4	1,000+	Millions

Severe thunderstorms developed over northern and southern portions of Italy on September 5 due to two separate low pressure areas. Large hail and strong wind gusts were reported in Pozzuoli that prompted widespread damages to structures, roofs, vehicles, and crops. In Emilia-Romagna region hail caused severe damage to crops: more than 60% of pear and apple orchards were damaged while vineyards also sustained heavy losses. Economic losses were expected to reach EUR2.0 million (USD2.2 million) in Pozzuoli alone while losses to crops are expected to reach several millions of Euros.

Severe flash floods inundated parts of Spain on September 7, killing at least four people. Valencia, Alicante, Murcia, Almeria, and Granada provinces were all affected. Local media showed footage of extreme flooding in the town of Adra, where at least 200 cars, 50 homes and 30 businesses were inundated. Several roads and a railway were closed while flights were diverted away from Malaga Airport.

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
7/15-9/10	Flooding	Burkina Faso	8	15,000+	31+ million
9/05-9/24	Flooding	Nigeria	53	53,000+	25+ million

Heavy rain, brought by the West African Monsoon, prompted deadly floods in Burkina Faso from July through early September. At least eight people died and 54 others were injured. The widespread floods left 36,000 residents homeless as the damage also devastated agriculture and infrastructure in eight of the country's 13 regions. The government called for CFA18 billion (USD31 million) in aid.

Several Nigerian states suffered catastrophic floods at the beginning of September as the West African Monsoon started to withdraw from the country. At least 53 people were killed. The floods destroyed as many as 53,000 homes after inundating states of Kano, Katsina, Sokoto, Kebbi, Zamfara, Kaduna, Jigawa, Adamawa, Yobe, Gombe, and Bauchi. Up to 174,000 hectares (430,000 acres) of farmland were also damaged. Economic losses were listed by the government at NGN4.82 billion (USD25 million).

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/01-12/31	Wildfires	Indonesia	0	Unknown	4.0+ billion
8/28-9/01	Flooding	India, Myanmar	47	50,000+	100+ million
9/06	Severe Weather	India	32	Unknown	Unknown
9/08-9/10	Sandstorm	Middle East	12	Thousands	Unknown
9/08-9/10	Flooding	Japan	8	25,000+	500+ million
9/15-9/23	Flooding	China	14	4,000+	473+ million
9/25	Earthquake	Indonesia	0	2,500	Unknown
9/25-9/28	TY Dujuan	Taiwan, China, Japan, Philippines	3	Thousands	687+ million

Wildfires continued to burn in Indonesia's Sumatra and Kalimantan regions as the worst year for wildfires since 1997 maintained in September. A study from the Center for International Forestry Research (CIFOR) reported that Indonesia was forecast to endure IDR58 trillion (USD4.0 billion) in direct and secondary losses in terms of lost agriculture production, destruction of forest lands, health, transportation, tourism and other economic endeavors.

Assam state, India, and Myanmar's Kachin state endured further flooding at the beginning of September following devastating floods that struck both countries in August. At least 47 individuals died. Almost one million people were affected by the floods in Assam as more than 2,000 villages were inundated. Heavy losses were sustained to crops and livestock. In Myanmar, flooding affected several areas of Kachin State while landslides were reported in Chin State. At least twenty people died following a slide that struck the village of Tuikhing Zang destroying 180 homes. Total economic losses in India were listed at INR6.5 billion (USD100 million).

At least 32 individuals were killed by lightning strikes in the eastern Indian states of Odisha (Orissa) and Andhra Pradesh on September 6 as severe thunderstorms were triggered by a low pressure area over the Bay of Bengal. At least 23 fatalities were reported in Andhra Pradesh where the majority of the victims were believed to have died after being directly struck by lightning. In Odisha, four fatalities were reported in Deogarh, three in Nabarangpur, and two in Malkangiri.

Twelve people died and thousands more were hospitalized due to a massive sandstorm that swept through portions of the Middle East from September 8-10. Dust from the storm, which originated over Iraq, spread over Syria, Lebanon, Israel, Jordan, Cyprus, and northern Egypt. Nine fatalities were reported in Syria where more than 3,500 were hospitalized with respiratory problems. Three fatalities were reported in Lebanon where around 750 individuals were hospitalized. Hundreds were also hospitalized in Israel. Schools and businesses were closed through the region while delays were reported at several airports due to reduced visibility.

Tremendous rainfall, which was enhanced by the remnants of Tropical Storm Etau, led to extensive flooding across parts of Japan from September 8-10. At least eight people were killed and 46 others were injured in central and eastern portions of the country. Data from Japan's Fire and Disaster Management Agency (FDMA) indicated that nearly 20,000 homes were damaged or destroyed and thousands of additional properties and vehicles were inundated by floodwaters and landslides. The majority of the damage was recorded in Ibaraki, Tochigi, and Miyagi prefectures. Japanese insurers estimated payouts of at least JPY30 billion (USD250 million). Economic losses were even greater.

An active weather pattern from September 15-23 brought periods of heavy rainfall and strong thunderstorms to several parts of China, leading to the deaths of at least 14 people. The stretch was highlighted by flash floods, landslides, large hail and high winds in at least 10 separate Chinese provincial regions. The Ministry of Civil Affairs noted that at least 5,000 homes were damaged or destroyed. Total combined economic losses were listed at CNY3.02 billion (USD473 million).

A magnitude-6.6 earthquake struck the Indonesia's West Papua province on September 25 at 12:53 AM local time (15:53 UTC September 24). The tremor struck approximately 27 kilometers (17 miles) north of Sorong at a depth of 18.0 kilometers (11.2 miles). At least 62 individuals were injured, of which 17 were serious. Data from the National Agency for Disaster Management (BNPB) indicated that 2,437 homes and other structures were damaged or destroyed.

TY Dujuan came ashore in Taiwan as a Category 4 storm on September 28 and made a second landfall in China's Fujian Province the following day as a much weakened Category 1 system. Dujuan also tracked close enough to Japan and Philippines for impacts of the storm to be felt. The typhoon claimed at least three lives in Taiwan where it injured 376 others. Millions of customers were left without power supplies as the storm tore down trees, structures, and power lines in Taiwan and China. Severe disruption to travel was noted and widespread damage to agricultural interests were reported. Estimated losses to agriculture alone in Taiwan were minimally listed at TWD846 million (USD26 million); while preliminary economic losses in China were listed at CNY4.2 billion (USD661 million). Insured losses in China were estimated at more than CNY500 million (USD79 million).

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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No major natural disaster events occurred in Oceania during the month of September.

Appendix

Updated 2015 Data: January-August

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/01-9/30	Drought	Western U.S.	0	Unknown	4.5+ billion
1/06-1/11	Winter Weather	Midwest, Northeast, Mid-Atlantic	15	Hundreds+	100+ million
1/26-1/28	Winter Weather	Northeast, Mid-Atlantic	2	5,000+	500+ million
1/31-2/04	Winter Weather	Midwest, Northeast, Southwest	22	10,000+	150+ million
2/06-2/08	Flooding	Northwest, Southwest	1	Hundreds	Millions+
2/07-2/11	Winter Weather	Northeast	2	25,000+	400+ million
2/13-2/15	Winter Weather	Midwest, Northeast, Mid-Atlantic	30	45,000+	650+ million
2/16-2/17	Winter Weather	Southeast	10	10,000+	100+ million
2/16-2/22	Winter Weather	Plains, Ohio Valley, Mid-Atlantic	8	215,000+	3.25+ billion
2/25-2/26	Winter Weather	Southeast, Mid-Atlantic	2	Thousands	Millions+
3/01-3/06	Winter Weather	Central & Eastern U.S.	13	10,000+	175+ million
3/25-3/26	Severe Weather	Plains, Midwest, Southeast	1	35,000+	500+ million
3/31-4/01	Severe Weather	Plains, Midwest, Southeast	0	20,000+	175+ million
4/02-4/03	Severe Weather	Plains, Midwest, Southeast	0	25,000+	250+ million
4/07-4/10	Severe Weather	Plains, Midwest, Mississippi Valley	3	160,000+	1.6+ billion
4/16-4/17	Severe Weather	Plains	1	Thousands	100s of Millions
4/18-4/21	Severe Weather	Plains, Southeast, Northeast	0	135,000+	1.4+ billion
4/24-4/28	Severe Weather	Plains, Southeast	4	115,000+	950+ million
5/03-5/05	Severe Weather	Plains, Midwest	1	15,000+	175+ million
5/06-5/13	Severe Weather	Plains, Midwest, Rockies	6	90,000+	1.0+ billion
5/10	TS Ana	South Carolina	0	Hundreds	Millions
5/15-5/19	Severe Weather	Plains, Midwest, Rockies	2	15,000+	150+ million
5/23-5/28	Severe Weather	Plains, Midwest, Rockies, Southeast	32	150,000+	3.75+ billion
5/28-5/30	Severe Weather	Plains, Midwest, Rockies, Southeast	0	20,000+	170+ million
6/03-6/08	Severe Weather	Rockies, Plains	0	50,000+	500+ million
6/09-6/11	Severe Weather	Great Lakes	0	10,000+	100+ million
6/16-6/18	TS Bill	Texas, Oklahoma	1	10,000+	100+ million
6/19-6/26	Severe Weather	Plains, Midwest	4	100,000+	925+ million
6/28-6/30	Wildfires	Northwest	0	100+	150+ million
6/29-7/01	Severe Weather	Midwest, Northeast, Southeast	0	Thousands	Millions+
7/12-7/14	Severe Weather	Midwest, Ohio Valley, Southeast	4	60,000+	500+ million
7/16-7/18	Severe Weather	Plains, Midwest	4	7,500+	75+ million
7/20-8/05	Flooding	Florida	0	2,000+	100+ million
7/29-8/13	Wildfires	California	1	150+	Millions
8/02-8/04	Severe Weather	Midwest, Plains, Northeast, Mid-Atlantic	4	70,000+	475+ million
8/13-8/31	Wildfires	Northwest, Rockies	4	Thousands	150+ million
8/29-8/30	Severe Weather	Pacific Northwest	2	1,000+	Millions+

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
2/20-2/21	Flooding	Dominican Republic	2	4,190+	Unknown
3/26-3/28	Severe Weather	Mexico	14	1,000+	Millions
4/04-4/05	Flooding	Haiti	6	8,832+	Unknown
5/26	Severe Weather	Mexico	14	1,000+	Unknown
6/01-7/31	Drought	El Salvador	0	Unknown	100 million
6/08	HU Blanca	Mexico	0	Hundreds	Thousands
6/12	Severe Weather	Canada	0	5,000+	55+ million
6/22	Severe Weather	Canada	0	5,000+	40+ million
6/27-7/09	Flooding	Costa Rica	0	3,308+	Unknown
7/01-7/10	Wildfire	Canada	1	Hundreds	Unknown
7/21-7/22	Severe Weather	Canada	0	25,000+	375+ million
8/04-8/05	Severe Weather	Canada	0	15,000+	150+ million
8/13-8/21	Wildfires	Canada	0	Hundreds	193+ million
8/27-8/30	TS Erika	Caribbean Islands	36	5,000+	300+ million
8/29-8/30	Severe Weather	Canada	0	2,100+	50+ million

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/01-1/31	Drought	Brazil	0	Unknown	Unknown
1/15-1/31	Flooding	Bolivia, Peru	16	10,780+	Unknown
2/15	Flooding	Argentina	8	1,500	17.2 million
3/01-3/06	Flooding	Argentina, Bolivia, Brazil, Ecuador, Peru	47	30,000+	Millions+
3/20-4/05	Severe Weather	Colombia, Ecuador, Peru	23	802+	Unknown
3/25-4/08	Flooding	Chile	25	14,000+	1.5+ billion
4/20	Severe Weather	Brazil	2	2,188+	2.0+ million
4/22-4/23	Volcano	Chile	0	Thousands	600+ million
4/27	Landslide	Brazil	15	Hundreds	Unknown
5/17	Flooding	Colombia	83	Hundreds	Unknown
8/06-8/10	Flooding	Argentina, Chile	9	Thousands	Unknown

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/09-1/16	EU Windstorms	Northern/Central/Western Europe	2	Thousands	650+ million
1/29-2/01	Winter Weather	Western/Northern Europe	12	Hundreds	Millions+
1/30-2/02	Flooding	Balkans, Turkey	13	2,170+	13+ million
2/03-2/08	Winter Weather	Spain, France, Italy, Slovenia, Croatia	7	Thousands	Millions+
3/04-3/07	Winter Weather	Italy, Balkans	7	Thousands	Millions+
3/29-4/01	WS Mike & Niklas	Western & Central Europe	9	10,000+	1.0+ billion
4/12-4/13	Wildfire	Russia	33	1,476+	140+ million
5/05-5/06	Severe Weather	Germany, Belgium	1	Thousands	10s of millions

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
6/27-7/01	Heatwave	Western Europe	0	Unknown	Unknown
7/24-7/25	Severe Weather	Netherlands, Germany, Poland, Slovakia	3	Thousands	25+ million
6/01-8/31	Drought	Romania, Poland, Czech Republic	0	100,000+	2.7+ billion
8/01-8/14	Heatwave/Wildfires	Central & Southern Europe, Middle East	109+	Unknown	9.0+ million

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
12/01-1/31	Flooding	Malawi, Mozambique, Zimbabwe	307	550,000+	550+ million
1/02-1/04	Severe Weather	Malawi, Zimbabwe	15	Hundreds	Unknown
1/16-1/18	TS Chedza	Madagascar	89	5,000+	36 million
2/07-2/08	TS Fundi	Madagascar	6	8,091	10+ million
2/13-2/14	Flooding	Angola	5	2,862+	Unknown
2/27-3/01	Flooding	Madagascar	24	642	Unknown
3/04	Flooding	Tanzania	47	634	Unknown
3/09-3/12	Flooding	Angola	69	2,500+	Unknown
3/28-3/29	Flooding	Burundi, Angola, Congo	24	500+	Unknown
4/04-4/10	Flooding	Kenya	13	Hundreds	Unknown
4/28	Flooding	Kenya	16	300+	Unknown
6/01-6/21	Flooding	Côte d'Ivoire	16	Unknown	Unknown
6/01-8/31	Drought	Botswana	0	Unknown	44+ million
8/08-8/09	Severe Weather	Sudan	20	Unknown	Unknown
8/13-8/15	Heatwave	Sudan	16	Unknown	Unknown
8/14	Flooding	Niger	4	2,170+	Unknown

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/01-12/31	Wildfires	Indonesia	0	Unknown	4.0+ billion
1/01-12/31	Drought	China	0	Unknown	1.8+ billion
1/01-1/23	Flooding	Indonesia	8	13,050+	6+ million
1/06-1/10	Winter Weather	Egypt, Israel, Jordan, Lebanon, Syria	9	Unknown	100+ million
1/09-1/12	Winter Weather	China	1	5,300+	226+ million
1/10-1/14	Earthquakes	China	0	17,500+	16+ million
1/14-1/20	Flooding	Malaysia	1	Thousands	Unknown
1/17-1/18	TY Mekkhala	Philippines	2	538+	1.0+ million
1/19	Severe Weather	Oman	0	5,000+	221+ million
1/23-1/25	Flooding	Indonesia	1	2,750+	Unknown
1/28-1/31	Winter Weather	China	0	1,000+	28+ million
1/31	Severe Weather	China	0	Unknown	80+ million
1/31-2/2	Flooding	Indonesia	2	5,050+	Unknown
2/08-2/13	Flooding	Indonesia	6	Thousands	235+ million
2/15-2/28	Winter Weather	Afghanistan, India	230	6,013	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
2/22	Earthquake	China	0	3,000+	15+ million
2/24-3/3	Flooding	Pakistan	32	Unknown	Unknown
3/01	Earthquake	China	0	16,300+	19+ million
3/07-3/08	Winter Weather	Afghanistan, Pakistan	26	150+	Unknown
3/11-3/15	Severe Weather	India, Iran	20	1,140+	Unknown
3/14	Earthquake	China	2	11,234+	Millions+
3/16	Flooding	Indonesia	0	1,600+	Unknown
3/23-3/27	Flooding	Saudi Arabia	11	1,000+	Millions+
3/24-3/25	Severe Weather	China	0	1,000+	275+ million
3/25-4/5	STY Maysak	Micronesia, Philippines	9	2,000+	8+ million
3/28	Flooding	Indonesia	12	Unknown	Unknown
3/29-3/31	Winter Weather	China	0	1,000+	108+ million
3/29-3/31	Flooding	India	17	Thousands	38+ million
3/30	Earthquake	China	0	6,260+	20+ million
3/30-4/04	Severe Weather	China	6	19,300+	209 million
4/01-4/03	Severe Weather	India, Pakistan, Tajikistan, Afghanistan	33	1,000+	Millions
4/04-4/05	Severe Weather	China	7	14,500+	20+ million
4/04-4/05	Severe Weather	Bangladesh, India, Myanmar	40	46,033+	4.3+ million
4/06-4/09	Severe Weather	China	1	5,000+	130+ million
4/08-4/12	Flooding	Kazakhstan	2	1,760+	5.3+ million
4/11-4/13	Winter Weather	China	0	Unknown	174+ million
4/19-4/21	Severe Weather	China	0	2,000+	350+ million
4/21	Severe Weather	India	42	25,000+	158+ million
4/25 & 5/12	Earthquake	Nepal, India, Bangladesh, China	9,120	850,000+	8+ billion
4/27	Landslide	Afghanistan	52	100	Unknown
4/27-4/28	Severe Weather	Pakistan	49	Hundreds	Unknown
4/27-4/29	Severe Weather	China	2	36,500	485+ million
5/02-5/03	Severe Weather	Bangladesh	13	Unknown	Unknown
5/07-5/12	Severe Weather	China	4	26,600+	461+ million
5/10-5/12	STY Noul	Micronesia, Philippines, Japan	2	Unknown	24+ million
5/12	Flooding	China	0	2,000+	290+ million
5/15	Severe Weather	Armenia	0	Hundreds+	10+ million
5/13-5/17	Flooding	China	20	20,000+	254+ million
5/18-5/22	Flooding	China	48	87,000+	1.15+ billion
5/21-5/28	Heatwave	India	2,500+	Unknown	Unknown
5/23-5/27	Flooding	China, Taiwan, Hong Kong	7	2,500+	282+ million
5/28-6/01	Flooding	China	16	20,000+	500+ million
5/29-6/01	Severe Weather	China	0	10,000+	325+ million
6/01-6/04	Flooding	China	9	20,000+	625+ million
6/02-6/29	Volcano	Indonesia	0	Unknown	61+ million
6/05	Earthquake	Malaysia	19	Dozens	Thousands
6/06-6/11	Flooding	India, Nepal	21	1,000+	Unknown
6/07-6/11	Flooding	China	16	20,000+	2.0+ billion
6/12	CY Ashobaa	Oman	0	Dozens	Thousands

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
6/18-6/24	Heatwave	Pakistan	1,265+	Unknown	Unknown
6/19-6/25	Flooding	India	41	Thousands	100+ million
6/20-6/24	Flooding	China	9	8,700+	187+ million
6/21-6/23	Severe Weather	China	0	Hundreds	145+ million
6/22-6/24	TS Kujira	China, Vietnam	7	223+	11+ million
6/23-6/30	Flooding	Bangladesh, Myanmar, India	63	Thousands	Unknown
6/25-6/29	Flooding	China	0	6,200+	58+ million
6/26-7/02	Flooding	China	16	50,000+	645+ million
6/1-8/1	Drought	China	0	Unknown	1.8+ billion
7/01-7/05	Flooding	China	6	23,300+	345+ million
7/03	Earthquake	China	4	12,000+	3.2+ million
7/03-7/07	Severe Weather	China	1	2,000+	169+ million
7/04-7/13	TY Chan-hom	China, Guam, Japan, Taiwan, Korea	0	4,700+	1.6+ billion
7/04-7/10	TY Linfa	Philippines, China	5	493+	214+ million
7/07-7/13	Flooding	India, Pakistan	35	Thousands	Unknown
7/08-7/13	Flooding	Philippines	16	10+	Unknown
7/13-7/14	Severe Weather	China	1	600+	85+ million
7/13-7/14	Flooding	China	3	8,500+	71+ million
7/16	STY Nangka	Japan	2	288+	200+ million
7/17-7/25	Flooding	Pakistan	18	Thousands	Unknown
7/17-8/11	Heatwave	Japan	59	Unknown	Unknown
7/20-7/24	Flooding	China	28	42,900+	1.2+ billion
7/22-7/27	Flooding	Pakistan, Myanmar, Afghanistan, Bangladesh	162	39,000+	25+ million
7/27-7/31	Flooding	Vietnam	17	4,000+	46+ million
7/25-8/07	Flooding	Myanmar	121	50,000+	109+ million
7/26-8/06	Flooding	India, Pakistan, Bangladesh	303	350,000+	500+ million
8/01-8/05	Flooding	North Korea	21	968+	Unknown
8/01-8/07	Flooding	Nepal	90	1,000+	Unknown
8/01-8/15	Flooding	Laos	0	2,200+	10+ million
8/02-8/04	Flooding	China	15	15,000+	418+ million
8/02-8/08	STY Soudelor	China, Taiwan, Saipan	41	150,000+	3.2+ billion
8/07-8/12	Severe Weather	China	1	1,000+	59+ million
8/15-8/26	TY Goni	Japan, Philippines, Korea Peninsula	70	20,000+	900+ million
8/16-8/19	Flooding	China	23	25,800+	220+ million
8/19-8/26	Severe Weather	China	1	10,000+	281+ million

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
1/02-1/08	Wildfires	Australia	0	996+	50+ million
2/20	Cyclone Lam	Australia	0	Hundreds	78+ million
2/20	Cyclone Marcia	Australia	0	36,483+	650+ million
3/11-3/15	CY Pam	Vanuatu, South Pacific Islands	16	30,000+	443 million
3/13-3/15	CY Olwyn	Australia (WA)	0	500+	76+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
3/20-3/24	CY Nathan	Australia (QLD, NT)	0	Hundreds	Millions
4/19-4/22	Severe Weather	Australia (NSW)	4	119,935+	785+ million
4/25	Severe Weather	Australia (NSW)	0	14,239+	500+ million
4/30-5/03	Flooding	Australia (QLD, NSW)	6	27,825+	400+ million
5/14-5/15	Flooding	New Zealand	1	Thousands	100+ million
5/14	STY Dolphin	Northern Mariana Islands	0	Hundreds	Unknown
6/20	Flooding	New Zealand	0	2,839+	171+ million
6/30-7/05	CY Raquel	Solomon Islands	1	150+	Millions
8/25-8/26	Severe Weather	Australia (NSW)	0	1,600+	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 insurance companies through press releases or various public media outlets.

Damage estimates are obtained from various public media sources, including news websites, publications from insurance companies, financial institution press releases and official government agencies. 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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