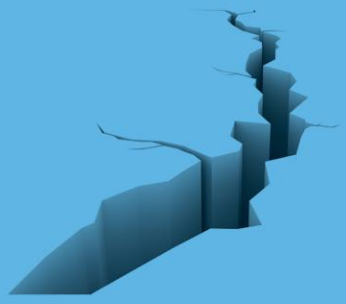
AON BENFIELD

July 2012 Global Catastrophe Recap



Empower Results

Table of Contents

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Executive Summary

- Flooding causes more than USD8.3 billion in economic losses across China during July
- Worst drought in decades worsens across much of the United States
- Severe weather prompts widespread damage in parts of the U.S. and Europe

An active weather pattern occurred across China during the month of July as extended periods of heavy rainfall spawned flooding and landslides in nearly two-dozen provinces. A combined 324 people died, including 79 in the greater Beijing metropolitan area during one singular event. According to the Ministry of Civil Affairs (MCA), the floods and landslides damaged or destroyed at least 475,000 homes and affected more than 1.66 million hectares (4.1 million acres) of cropland. Total combined economic losses were listed at CNY53.2 billion (USD8.3 billion). The China Insurance Regulatory Commission (CIRC) noted that 47,000 claims were filed with payouts in excess of CNY1.12 billion (USD176 million).

Additional flooding was recorded in Asia during the month, including in Japan, Indonesia and North Korea. In Japan, the most notable event occurred over five consecutive days on Kyushu as torrential rainfall prompted flooding and 870 landslides that left at least 30 people dead. Japan's Fire and Disaster Management Agency (FDMA) reported that 16,045 homes, infrastructure and agriculture had sustained varying levels of flood inundation.

Shifting to Europe, the worst flooding in decades struck southern Russia's Krasnodar region. At least 171 people were killed and 584 others were injured. The Emergencies Ministry confirmed that at least 7,000 homes were damaged or destroyed in the hardest-hit cities of Krymsk, Kuban, Gelendzhik and Novorossiysk. Total economic damages were listed at RUB9 billion (USD280 million).

Additional floods were recorded during the month in Colombia, Central America and Nigeria.

Elsewhere, the worst drought in decades deepened throughout much of the United States. At least 4,313 record high temperatures were set during the month, as the heat also left more than 100 people dead. According to the National Climatic Data Center (NCDC), up to 64% of the contiguous U.S. was listed in at least a moderate drought. More than half of all U.S. counties (~1,600) were declared disaster areas. Total economic (and insured) crop losses were anticipated to reach well into the billions of dollars (USD).

Also in the U.S., a three-day stretch early in the month saw rounds of severe thunderstorms affect parts of the Midwest, Ohio Valley and the Northeast. At least one person was killed and damage was widespread in nearly one-dozen states. Total economic losses were approximately USD450 million, while various insurers received more than 50,000 claims with payouts in excess of USD275 million.

Severe weather was also recorded across central and western Europe, where tornadoes, damaging winds and up to egg-sized hail occurred. In the Czech Republic, insured losses were listed at CZK247 million (USD12 million). Insurers in Slovenia recorded more than EUR4 million (USD5 million) in losses. In Poland, an EF-2 tornado left up to PLN20 million (USD5.9 million) in damage to forests. Storms in Georgia left 22,000 homes damaged, with economic losses listed at GEL150 million (USD91 million).

In tropical cyclone news, Typhoon Vicente made landfall in southern China at peak strength. Eight people were killed and 11,700 homes were damaged in Guangdong, Guangxi and Fujian provinces. Total economic losses were listed at CNY2.1 billion (USD329 million).

United States

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
6/1-7/31	Drought	United States	0	Unknown	Billions+
6/30-7/19	Heat Wave	United States	100+	Unknown	Unknown
7/2-7/4	Severe Weather	Midwest, Ohio Valley, Northeast	1+	50,000+	450+ million
7/26-7/27	Severe Weather	Northeast	2+	Thousands+	Millions+

The worst drought in decades deepened throughout much of the United States during the month of July as farmers and residents coped with the lack of rainfall and record temperatures. According to the National Climatic Data Center (NCDC), the drought was the country's most extensive in decades with up to 64% of the contiguous U.S. listed in at least a moderate drought. More than half of all U.S. counties (~1,600) were declared disaster areas. The U.S. Department of Agriculture (USDA) also reported that 48% of the nation's corn crop was in poor to very poor condition in addition to 37% of soybeans. Total economic (and insured) crop losses were anticipated to reach well into the billions of dollars (USD).

A significant heat wave covered a large portion of the United States from June 30th through most of July, leading to the deaths of at least 100 people. The fatalities occurred as an extended period where daytime temperatures exceeding 100˚F (38˚C) covered most of the nation. According to the National Oceanic and Atmospheric Administration (NOAA), more than 4,313 separate high temperature records were established during the month. In addition to the fatalities, the heat also casued infrastructure damage as several main roads and highways throughout the country reported buckling. Train travel was also affected as the heat caused rail tracks to expand, prompting delays in the Mid-Atlantic and the Northeast.

Rounds of severe thunderstorms around the outer periphery of a ridge of high pressure (known as a 'Ring of Fire' pattern) affected parts of the Midwest, Ohio Valley and the Northeast between the 2nd and the 4th. At least one person was killed. The storms triggered a high volume of damaging wind and hail reports, as damage was widespread in nearly a dozen states. Downed trees and power lines onto homes, businesses and vehicles caused the majority of the damage. Total economic losses were approximately USD450 million, while various insurers received more than 50,000 claims with payouts in excess of USD275 million.

Widespread severe weather covered a broad section of the central and eastern U.S. on the 26th and 27th, killing at least two people. As daytime heating unfolded, a line of powerful thunderstorms stretching from Texas to Connecticut prompted at least 471 local storm reports to the SPC (including 426 for damaging winds and multiple tornado touchdowns). Damage was widespread in as many as 15 states – particularly in the Northeast – which primarily resulted from downed trees and power lines onto homes, businesses and vehicles. Total economic losses were estimated well into the millions of dollars (USD).

Remainder of North America (Canada, Mexico, Caribbean Islands, Bermuda)

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
7/1-7/23	Flooding	Guatemala	0	1,010+	Unknown
7/23-7/31	Flooding	Central America	1+	4,150+	Unknown

Seasonal rainfall prompted widespread flooding in Guatemala throughout much of July. According to local officials, at least 1,010 homes were damaged or destroyed in the hardest-hit departments of Petén, Zacapa, Guatemala, Quiché and Suchitepéquez. No injuries or fatalities were immediately available.

Heavy rains impacted central and eastern Costa Rica between the 23rd and the 31st, leading to flash floods, landslides and causing rivers to overflow their banks. At least one person was killed and more than 1,550 homes were damaged. In Panama and Ecuador, an additional 2,600 homes were affected as intense rains prompted rivers to swell. Infrastructure and agriculture sustained major damage.

South America

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2, 4] (USD)
7/15-7/30	Flooding	Colombia	0	15,000+	Millions+

As many as 15,000 homes were damaged or destroyed in the Colombian department of Putumayo between the 15th and the 30th due to excessive rainfall that prompted flooding. The floods were aided by several rivers (including the Guamuez, Orito, Putumayo and Guineo) bursting their banks.

Europe

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2, 4] (USD)
6/30-7/8	Severe Weather	Central Europe	9+	Hundreds+	25+ million
7/7	Flooding	Russia	171+	7,000+	280+ million
7/11	Severe Weather	Slovenia	0	Thousands+	5+ million
7/14	Severe Weather	Poland	1+	100+	5.9+ million
7/19	Severe Weather	Georgia	0	20,000+	91+ million
7/22-7/27	Wildfire	Spain, Greece	4+	Unknown	Unknown

Strong thunderstorms affected parts of Central Europe between June 30th and July 8th. Among the most affected countries were Turkey, Austria and the Czech Republic as storms brought gusty winds, egg-sized hail and localized flooding. Nine people were killed in Turkey after the Mert River overflowed its banks and caused floods in the Canik district of Samsun. In Austria, the regions of Steiermark and Kärnten were the hardest-hit; while in the Czech Republic, much of the western half of the country was affected. Insured losses in the Czech Republic were listed at CZK247 million (USD12 million).

The worst flooding in decades struck southern Russia's Krasnodar Region on the 7th, killing at least 171 people and injuring 584 others. Nearly all of the casualties occurred due to a nearly 7-meter (23-foot) surge of water that swept through homes as residents were sleeping after 304 millimeters (12 inches) of rain fell in less than 24 hours. The Emergencies Ministry confirmed that at least 7,000 homes were damaged or destroyed. The hardest-hit cities included Krymsk, Kuban, Gelendzhik and Novorossiysk. Infrastructure damage was prevalent in several areas as well with sections of roads, bridges and rail tracks washed away. Total economic damages were listed at RUB9 billion (USD280 million).

Severe thunderstorms crossed parts of northwestern and central Slovenia on the 11th as the inclement weather triggered up to walnut-sized hail. Extensive damage was reported in some areas, including the cities of Ljubljana and Bovec. According to local insurers, the hail led to EUR2.5 million (USD3.1 million) in damage to automobiles and EUR1.5 million (USD1.9 million) to property. Additional losses (likely in the millions of euros (EUR)) were expected from major damage sustained to agriculture.

A string of tornadoes swept across northern and western Poland on the 14th, leaving at least one person dead and 10 others injured. The hardest-hit areas came in the Baltic region of Pomerania and two neighboring provinces, where at least 100 homes were damaged or destroyed by an EF-2 tornado in the village of Wycinki. Damage to trees alone was listed at PLN20 million (USD5.9 million).

Powerful thunderstorms swept through much of Georgia on the 19th as hail pelted homes, vehicles, agriculture and both the electrical and transportation infrastructures. No injuries or fatalities were reported. The hardest-hit area came in the Kakheti region, where officials estimated as many as 20,000 homes were damaged and up to 22,000 hectares (54,400 acres) of cropland was severely affected. Other regions that sustained notable impacts came in Samtskhe-Javakheti and Mtskheta-Mtianeti. Total economic damages were listed at GEL150 million (USD91 million).

A deadly wildfire in Spain left at least four people dead and six others injured during the week of the 22nd, prompting the evacuation of more than 1,400 residents. The fire was ignited in the Catalonia region and charred at least 14,000 hectares (32,000 acres) of land. Government officials had yet to release any information in regards to damage. Other fires burned in Greece during the period, with one particular blaze destroying at least five homes in the Athens suburb of Keratea.

Africa

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2, 4] (USD)
7/22-7/24	Flooding	Nigeria	39+	600+	Unknown

Parts of central Nigeria sustained widespread flooding after torrential rains fell across the region between the 22nd and the 24th. According to local officials, at least 39 people were killed and as many as 50 others were listed as missing. More than 600 mud homes were destroyed after floodwaters from an overflowing Lamingo Dam along the Cross River swept through the city of Jos in Plateau state.

Asia

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
6/28-7/10	Flooding	China	70+	188,400+	1.19+ billion
7/3-7/5	Flooding	Japan	1+	460+	Millions+
7/11-7/16	Flooding	Japan	30+	16,045+	Millions+
7/11-7/17	Flooding	China	30+	76,000+	600+ million
7/18-7/31	Flooding	North Korea	119+	17,030+	Unknown
7/19	Flooding	Nepal	0	2,030+	Unknown
7/20-7/24	Flooding	China	149+	175,000+	4.8+ billion
7/24	Flooding	Indonesia	8+	125+	Unknown
7/24	TY Vicente	China, Vietnam	18+	13,000+	329+ million
7/27-8/2	Flooding	China	76+	36,000+	1.69+ billion
7/31	Flooding	Indonesia	8+	754+	Unknown

Persistent rainfall fell across ten separate provinces of China between June 28th and July 10th, leading to the deaths of at least 70 people. Flooding and landslides led to widespread damage to personal property, infrastructure and agriculture. According to the Ministry of Civil Affairs (MCA), at least 188,400 homes were damaged or destroyed and more than 694,000 hectares (1.71 million acres) of cropland were submerged. Total economic losses were listed at CNY7.6 billion (USD1.19 billion).

Record rainfall from a seasonal weather pattern impacted Japan's southwestern island of Kyushu between the 3rd and the 5th, prompting flooding and mudslides. At least one person was killed and 74 others were injured. The prefectures of Fukuoka, Oita and Nagasaki were primarily impacted, with more than 25,000 people evacuated from their homes. The Cabinet Office reported that 460 homes officially had been damaged or destroyed.

Consecutive days of torrential rainfall deluged southern Japan's Kyushu Island between the 11th and the 16th, leading to the deaths of at least 30 people. The intense rains prompted widespread flash flooding, rivers to overflow their banks and 870 separate landslides. The prefectures of Fukuoka, Oita, Kumamoto and Saga sustained the brunt of the impacts, with the city of Aso recording 817 millimeters (32.17 inches) of rain. Japan's Fire and Disaster Management Agency reported that 16,045 homes and other structures had sustained varying levels of flood inundation. Infrastructure (800 roads and 20 bridges) and agriculture were also widely affected. Total economic losses were estimated well into the millions of dollars (USD).

An active weather pattern brought periods of heavy rain to central and southern China between the 11th and the 17th, leading to the deaths of at least 30 people. According to the MCA, at least 76,000 homes were damaged or destroyed and more than 478,500 hectares (1.18 million acres) of cropland were submerged. Widespread impacts to infrastructure were also reported. Total economic losses were listed at CNY3.82 billion (USD600 million).

Widespread flooding occurred throughout North Korea during the second half of the month (beginning on the 18th) following rounds of heavy rainfall. At least 119 people were killed and dozens others were injured. According to a state-released report, floods damaged or destroyed 17,030 homes and public buildings. The transportation infrastructure was also heavily impacted as floodwaters wiped out wide swaths of roadways and rail lines.

A torrential rainstorm on the 19th led to flash flooding and river flooding in Nepal's Midwestern district of Dang. No fatalities were recorded, though several people were hospitalized with injuries. According to local officials, more than 2,030 homes were destroyed in the village of Deukhuri after the Rapti River overflowed its banks.

The heaviest rains in 61 years fell across the greater Beijing metropolitan area on the 21st, prompting widespread significant flooding and leaving at least 79 people dead. Floods swept through the city limits and surrounding areas as drainage systems were unable to handle the high volume of water. Elsewhere, extensive flooding affected 17 separate provinces between the 20th and the 24th. More than 70 additional fatalities occurred. According to the MCA, a combined 175,000 homes were affected and more than 300,000 hectares (741,000 acres) of cropland were submerged. Total economic losses were listed at CNY30.73 billion (USD4.8 billion), with at least CNY11.6 billion (USD1.8 billion) occurring in the greater Beijing area. The China Insurance Regulatory Commission (CIRC) reported that insured losses in Beijing were in excess of CNY1 billion (USD157 million) with more than 47,000 claims filed. An additional CNY120 million (USD19 million) in insured losses were recorded in Chongqing Province.

Excessive rainfall led to flash flooding in Indonesia's West Sumatra region on the 24th, killing at least eight people after a river overflowed in Padang. More than 90 homes, 11 mosques, five bridges and one health clinic were damaged. The most significant damage occurred to infrastructure, where local officials noted that large sections of roads had been completely washed away by a chest-deep torrent of water.

Typhoon Vicente made landfall on the 24th near the city of Taishan in southern China (near Hong Kong) at approximately 4:00 AM local time (20:00 UTC on the 23rd) at peak strength as a 215 kph (135 mph) cyclone. Eight people were killed. According to the MCA, a combined 11,700 homes and other structures were damaged in Guangdong, Guangxi and Fujian provinces by the system's high winds and heavy rains. Up to 80,000 hectares (198,000 acres) of cropland were also submerged. Total economic losses were listed at CNY2.1 billion (USD329 million). The cyclone's remnants later reached Vietnam, where flooding left another 10 people dead.

An active weather pattern spawned additional heavy rainfall throughout much of China, as flooding and mudslides led to the deaths of at least 76 people between July 27th and August 2nd. The hardest-hit provinces and regions included Shanxi, Heilongjiang and Inner Mongolia. According to the MCA, at least 36,000 homes and buildings were damaged or destroyed in addition to more than 188,600 hectares (466,000 acres) of farmland. Total economic losses were listed at CNY11 billion (USD1.69 billion).

Flash floods and a large landslide struck the eastern Indonesian province of Maluku on Tuesday, killing at least eight people. According to disaster officials in the region, at least 754 homes were damaged or destroyed as the floods and landslide tore through the capital city of Ambon.

Oceania (Australia, New Zealand and the South Pacific Islands)

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)

No major natural disaster events occurred in Oceania during the month of July.

APPENDIX

Updated January – June 2012 Data

United States

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
1/8-1/12	Winter Weather	Plains, Southeast, Northeast	0	Thousands+	Millions+
1/12-1/13	Winter Weather	Midwest, Ohio Valley, Northeast	0	Thousands+	Millions+
1/16-1/17	Severe Weather	Midwest, Southeast, Northeast	0	Thousands+	25+ million
1/17-1/22	Winter Weather	Pacific Northwest	3+	1,000+	100+ million
1/19-1/21	Wildfires	Nevada	0	29+	9.1+ million
1/22-1/23	Severe Weather	Southeast, Plains	3+	10,000+	175+ million
2/17-2/18	Severe Weather	Plains, Southeast	0	Hundreds+	Unknown
2/20	Severe Weather	Plains	1+	Thousands+	Millions+
2/22	Severe Weather	Southeast	1+	250+	1.6+ million
2/24	Severe Weather	Southeast, Mid-Atlantic	0	Hundreds+	Millions+
2/28-2/29	Severe Weather	Midwest, Plains, Southeast	14+	25,000+	500+ million
3/2-3/3	Severe Weather	Midwest, Southeast	41+	275,000+	3.75+ billion
3/4-3/9	Flooding	Hawaii	0	Hundreds+	37.5+ million
3/12	Flooding	Louisiana	0	1,500+	2+ million
3/14-3/15	Severe Weather	Great Lakes	0	20,000+	275+ million
3/18-3/25	Severe Weather	Plains, Midwest, Southeast	1+	37,500+	325+ million
3/26-4/2	Wildfire	Colorado	3+	25+	Unknown
3/26-4/30	Winter Weather	Michigan	0	Unknown	500+ million
3/29-3/31	Severe Weather	Plains, Midwest, Southeast	0	35,000+	400+ million
4/2-4/4	Severe Weather	Texas	0	120,000+	1.25+ billion
4/11	Severe Weather	California	0	Unknown	79+ million
4/13-4/15	Severe Weather	Plains, Midwest	6+	50,000+	1.75+ billion
4/20	Severe Weather	Texas	0	15,000+	90+ million
4/28-4/29	Severe Weather	Midwest	1+	310,000+	2.75+ billion
5/2-5/6	Severe Weather	Midwest, Plains, Mid-Atlantic	0	30,000+	275+ million
5/13-6/30	Wildfires	West, Midwest	0	375+	50+ million
5/25-5/30	Severe Weather	Plains, Midwest, Northeast	0	160,000+	1.3+ billion
5/28	TS Beryl	Southeast	0	Unknown	Unknown
6/2-6/4	Severe Weather	Plains, Midwest, Ohio Valley	3+	Hundreds+	Millions+
6/6-6/7	Severe Weather	Colorado, Wyoming	0	100,000+	1.25+ billion
6/9-6/11	Flooding	Southeast	2+	1,000+	174+ million
6/9-6/30	Wildfire	Colorado	1+	850+	136+ million
6/11-6/13	Severe Weather	Texas, New Mexico	0	125,000+	1.75+ billion
6/17-6/18	Severe Weather	Upper Midwest	0	12,500+	115+ million
6/19-6/20	Flooding	Minnesota	0	15,000+	125+ million
6/23-6/27	TS Debby	Florida	7+	20,000+	200+ million

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
6/23-7/10	Wildfire	Colorado	2+	10,000+	500+ million
6/28-7/2	Severe Weather	Midwest, Mid-Atlantic, Plains	28+	350,000+	2+ billion

Remainder of North America (Canada, Mexico, Caribbean Islands)

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
2/11-2/12	Flooding	Canada	0	200+	Unknown
3/20	Earthquake	Mexico	2+	44,000+	300+ million
4/23-4/25	Flooding	Hispaniola	10+	3,000+	Unknown
4/28-4/29	Winter Weather	Canada	0	Unknown	100+ million
5/15-5/31	Flooding	Nicaragua	9+	5,900+	Unknown
5/24-5/27	Flooding	Cuba	2+	1,200+	Unknown
5/25-5/29	Flooding	Canada	0	Thousands+	Millions+
6/1	Flooding	Canada	0	Unknown	Unknown
6/9-6/10	Severe Weather	Canada	0	2,500+	Millions+
6/15	HU Carlotta	Mexico	7+	31,500+	12.4+ million

South America

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
12/24-1/6	Wildfires	Chile	7+	Hundreds+	200+ million
1/1-1/10	Flooding	Brazil	39+	25,000+	Millions+
1/1-3/25	Flooding	Ecuador	30+	4,000+	Unknown
1/30	Earthquake	Peru	0	858+	Unknown
2/8-2/9	Flooding	Peru	14+	11,000+	Unknown
2/10-2/29	Flooding	Brazil, Bolivia	1+	37,300+	10+ million
3/11-3/16	Flooding	Chile	0	6,500+	3.1+ million
3/24-3/31	Flooding	Colombia	5+	5,000+	Unknown
3/25	Earthquake	Chile	0	Hundreds+	100+ million
4/2-4/30	Flooding	Paraguay	0	13,654+	Unknown
4/4	Severe Weather	Argentina	18+	32,000+	10+ million
4/5-4/27	Flooding	Colombia, Peru	19+	25,000+	170+ million
5/1-5/20	Flooding	Brazil	0	75,000+	226+ million
5/8-5/11	Flooding	Venezuela	0	2,200+	93+ million

Europe

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
1/3-1/4	WS Ulli	UK, Scandinavia	2+	5,000+	500+ million
1/4-1/5	WS Andrea	UK, Northern Europe	0	Thousands+	650+ million
1/24-2/17	Winter Weather	Eastern/Central Europe	824+	Unknown	775+ million
2/7-2/8	Winter Weather	Ukraine	0	Unknown	2+ million
2/7-2/9	Flooding	Bulgaria, Greece	12+	Hundreds+	4.4+ million
3/26	Earthquake	Turkey	0	Hundreds+	Unknown
4/20	Wildfire	Russia	1+	65+	Unknown
4/22-4/27	Flooding	Russia	0	3,957+	17+ million
5/7	Earthquake	Azerbaijan	0	3,124+	Unknown
5/12	Flooding	Georgia	5+	5,000+	4.9+ million
5/18	Earthquake	Azerbaijan	0	7,000+	Unknown
5/20	Earthquake	Italy	7+	Thousands+	6.25+ billion
5/29	Earthquake	Italy	18+	Thousands+	
6/4	Severe Weather	Ukraine	0	150+	Unknown
6/10	Earthquake	Turkey, Greece	0	Hundreds+	Unknown
6/10-6/11	Flooding	United Kingdom	0	20,000+	450+ million
6/11	Severe Weather	Italy	0	Hundreds+	12.6+ million
6/26-6/27	Flooding	United Kingdom	1+	48,000+	800+ million

Africa

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
1/16-1/17	Flooding	Mozambique, South Africa	10+	5,000+	Unknown
1/20-1/26	CY Funso	Mozambique, Malawi	40+	10,000+	100+ million
2/13	Severe Weather	Nigeria	15+	3,000+	1+ million
2/14	CY Giovanna	Madagascar	35+	50,000+	100+ million
2/26-3/7	CY Irina	Madagascar, Mozambique	84+	35,000+	Millions+
4/12	Flooding	Rwanda	5+	2,232+	Unknown
4/20-4/28	Flooding	Comoros	0	9,338+	3.8+ million
4/24-5/15	Flooding	Kenya	50+	50,000+	130+ million
6/23-6/25	Flooding	Uganda	30+	100+	Unknown

Asia

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
1/1-1/31	Winter Weather	Japan	56+	Thousands+	Millions+
1/1-2/7	Winter Weather	China	0	10,000+	2.1+ million
1/5	Landslide	Philippines	42+	100+	Unknown

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
1/5	Severe Weather	Indonesia	0	500+	30+ million
1/8	Earthquake	China	0	9,000+	Unknown
1/16-1/17	Winter Weather	Afghanistan	46+	Unknown	Unknown
1/21	Earthquake	Indonesia	0	450+	1.3+ million
1/21-1/24	Winter Weather	China	0	1,000+	4.4+ million
1/25	Severe Weather	Indonesia	14+	2,000+	1+ million
2/6	Earthquake	Philippines	116+	53,000+	250+ million
2/7-2/9	Winter Weather	China	0	10,000+	20.2+ million
2/15-2/16	Winter Weather	China	0	1,000+	4+ million
2/18	Landslide	India	6+	Unknown	Unknown
2/19	Flooding	Philippines	0	5,000+	Unknown
2/22	Winter Weather	India	16+	Unknown	Unknown
2/25	Severe Weather	Indonesia	5+	100+	Unknown
3/4	Winter Weather	Afghanistan	50+	100+	Unknown
3/9	Earthquake	China	0	20,000+	82.7+ million
3/12	Winter Weather	Afghanistan	45+	50+	Unknown
3/15-3/18	Severe Weather	Thailand	0	200+	Unknown
3/16-3/20	Severe Weather	Indonesia	0	12,000+	Unknown
3/17	Flooding	China	0	578+	Unknown
3/20	Flooding	India	3+	15,862+	1+ million
3/27	Flooding	Philippines	11+	10,000+	2.1+ million
4/1	Severe Weather	Sri Lanka	0	1,200+	Unknown
4/1	TY Pakhar	Vietnam	2+	5,000+	Unknown
4/3-4/5	Severe Weather	Japan	4+	Hundreds+	Unknown
4/5	Severe Weather	China	0	20,000+	120+ million
4/11-4/18	Flooding	Saudi Arabia, Oman	18+	Thousands+	Millions+
4/20-4/25	Severe Weather	China	12+	25,400+	84+ million
4/20-4/25	Severe Weather	Vietnam	2+	4,780+	5+ million
4/22	Flooding	Afghanistan	16+	1,140+	Unknown
4/23-4/29	Flooding	Kyrgyzstan	0	2,500+	Unknown
4/28-5/15	Severe Weather	China	102+	143,000+	2.68+ billion
5/5	Flooding	Nepal	60+	1,000+	Unknown
5/6	Severe Weather	Japan	3+	1,845+	Millions+
5/6-5/11	Flooding	Afghanistan	47+	1,000+	Unknown
5/9	Flooding	Indonesia	5+	200+	Unknown
5/19	Flooding	Afghanistan	19+	Unknown	Unknown
5/20-5/24	Flooding	China	16+	19,300+	378+ million
5/27-5/30	Flooding	China	7+	16,000+	119+ million
6/1-6/3	Flooding	Philippines	3+	Unknown	Unknown
6/3-6/5	Flooding	Thailand	3+	5,000+	1+ million
6/5-6/12	Flooding	Taiwan	6+	7,000+	16.9+ million
6/8-6/12	Flooding	China	23+	53,000+	393+ million

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
6/11	Earthquake	Afghanistan	71+	50+	Unknown
6/12	Earthquake	China	0	1,900+	1.1+ million
6/12-6/13	Flooding	Philippines	13+	283+	Unknown
6/15-6/19	STY Guchol	Japan, Philippines	2+	1,000+	100+ million
6/18-6/20	Severe Weather	China	0	200+	82+ million
6/20-6/24	Severe Weather	China	5+	4,500+	124+ million
6/20-6/29	Flooding	China	50+	123,000+	2.73+ billion
6/22	Flooding	Afghanistan	37+	500+	Unknown
6/23-7/1	Flooding	India, Bangladesh	232+	600,000+	90+ million
6/24	Earthquake	China	4+	88,000+	300+ million
6/30	Earthquake	China	0	71,500+	Millions+

Oceania (Australia, New Zealand and the South Pacific Islands)

Event Date	Event Name Or Type[1]	Event Location	# of Deaths[2]	# of Structures/ Claims[2,3]	Damage Estimates[2,4] (USD)
1/12	TC Heidi	Australia (Western Australia)	0	Unknown	Unknown
1/22-1/31	Flooding	Fiji	7+	Thousands+	17+ million
1/24	Landslide	Papua New Guinea	40+	Unknown	Unknown
1/24-2/15	Flooding	Australia (NSW, Queensland)	1+	6,408+	920+ million
2/24-3/16	Flooding	Australia (NSW, Victoria)	2+	8,914+	1.58+ billion
3/3	Severe Weather	New Zealand	0	1,250+	7.5+ million
3/17	CY Lua	Australia (WA)	0	Hundreds+	230+ million
3/20	Severe Weather	Australia (Queensland)	0	150+	21+ million
3/29-4/3	Flooding	Fiji	7+	15,000+	71.3+ million
6/3-6/6	Severe Weather	Australia (NSW, Victoria)	0	1,500+	Unknown
6/10-6/12	Severe Weather	Australia (Western Australia)	1+	450+	Millions+
6/19	Earthquake	Australia (Victoria)	0	880+	Unknown

[1] TD = Tropical Depression, TS = Tropical Storm, HU = Hurricane, TY = Typhoon, STY = Super Typhoon, CY = Cyclone

[2] As reported by public news media sources and official government agencies

[3] **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.

[4] Damage estimates obtained from various public media sources, including news websites, publications from insurance companies, financial institution press releases and official government agencies. These estimates can include insured or economic losses.

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About Impact Forecasting® LLC

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