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Date (D/M/Y)

Global Weather & Climate Extremes

World Element

Characteristic

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World Weather Element

Temperature	Highest Temperature	56.7°C (134°F)	10/7 (July) /1913	1911- present	Furnace Creek (Greenland Ranch), CA, USA	36°27'N, 116°51'W	-54m (-179ft))
	Lowest Temperature	-89.2°C (-128.6°F)	21/7 (July) /1983	1912- present	Vostok, Antarctica	77°32'S, 106°40'E	3420m (11,220 ft)
Pressure	Highest Sea Lvl Air Pressure Below 750m	1083.8 hPa	31/12 (December) /1968	1961- present	Agata, Russia	66°53'N, 93°28'E	261m (856.3ft)
	Highest Sea Lvl Air Pressure Above 750m	1089.1 hPa	30/12 (December) /2004	1963- present	Tosontsengel Mongolia	48°44'N, 98°16'E	1724.6m (5658.1 ft)
	Lowest Sea Lvl Air Pressure (excluding tornadoes)	870 hPa	12/10 (October) /1979	1951- present	Eye of Typhoon Tip	16°44'N, 137°46'E	0m
Rainfall	Greatest 1-Min Rainfall	31.2mm (1.23")	4/7 (July) /1956	1948- present	Unionville, MD, USA	38°48'N, 76°08'W	152m (499ft)
	Greatest 60-Min Rainfall	305mm (12.0")	22/6 (June) /1947		Holt, MO, USA	39°27'N, 94°20'W	263m (863ft)
	Greatest 12-Hr Rainfall	1.144 m (45.0")	7-8/1 (January) /1966	1966-1990	Foc-Foc, La Réunion	21°14'S, 55°41'E	2290m (7513ft)
	Greatest 24-Hr Rainfall	1.825m (71.8")	7-8/1 (January) /1966	1966-1990	Foc-Foc, La Réunion	21°14'S, 55°41'E	2290m (7513ft)
	Greatest 48-Hr Rainfall	2.493m (98.15")	15-16/6 (June) /1995	1850-present	Cherrapunji, India	25°02'N, 91°08'E	1313m (4308ft)
	Greatest 72-Hr Rainfall	3.930m (154.72")	24-26/2 (February) /2007	1968-present	Cratère Commerson, La Réunion	21°12'S, 55°39'E	2310m (7579ft)
	Greatest 96-Hr Rainfall	4.936m (194.33")	24-27/2 (February) /2007	1968-present	Cratère Commerson, La Réunion	21°12'S, 55°39'E	2310m (7579ft)
	Greatest 12-Mo Rainfall	26.47m (1042")	8 (August)/1860- 7 (July)/1861	1851- present	Cherrapunji, India	25°02'N, 91°08'E	1313m (4308ft)
Hail	Heaviest Hailstone	1.02kg (2.25lb)	14/4 (April) /1986		Gopalganj district, Bangladesh	23°00'N, 89°56'E	4m (13.1ft)
Aridity	Longest Dry Period	172 months	10 (October)/1903-1 (January)/1918		Arica, Chile	18°29'S, 70°18'W	65m (213ft)
Wind	Maximum Gust	113.2m/s (253mph; 220kt)	1055 UTC 10/4 (April) /1996	1932- present	Barrow Island Australia	20°49'S, 115°23'E	64m (210ft)
	Maximum Gust for Tropical Cyclone	113.2m/s (253mph; 220kt)	1055 UTC 10/4 (April) /1996	1949-present	Barrow Island Australia	20°49'S, 115°23'E	64m (210ft)
Lightning	Longest Distance Lightning Flash	321 kilometers (199.5 mi)	06:07:22 UTC 20/6 (June)/2007	limited field measurement	Oklahoma, United States	35.86°N;, 96.32°W; to 36.00°N; 99.63°W;	
	Longest Duration Lightning Flash	7.74 seconds	04:18:50 UTC, 30/8 (August) 2012	limited field measurement	Provence-Alpes- Côte d'Azur, France	44.06°N;, 4.5°E; to 43.6°N; 6.0°E;	
Weather-Related Mortality	Highest Mortality: Lightning	469 individuals	2/11 (Nov)/1994	1873-present	Dronka, Egypt	27.2°N;, 31.0°W;	
	Highest Mortality: Lightning (single stroke)	21 individuals	23/12 (Dec)/1975	1873-present	Manica Tribal Trust Lands, Zimbabwe	22.30°S;, 30.2°E;	
	Highest Mortality: Tropical Cyclone	estimated 300,000 individuals	12-13/11 (Nov)/1970	1873-present	coastal Bangladesh	22.3°N;, 91.8°W;	
	Highest Mortality: Tornado	estimated 1,300 individuals	26 /4 (April) /1989	1873-present	Manikganj district, Bangladesh	22.80°N;, 90.1°E;	

Southern Hemisphere Highest Temperature

Highest Mortality:

Continental Element

Highest Temperature

Characteristic

Hailstorm

Hemispheric Weather & Climate Extremes

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WMO Region I: Africa

individuals

individuals

20/4 (April)/1888 1873-present

Date (D/M/Y)

10/7 (July)/1913

Length of

1911- present

Record

Moradabad, India

Geopolitical

Furnace Creek

(Greenland Ranch), 116°51'@

Location

CA, USA

28.80°N;,

Longitude/

Elevation

-54m

Latitude

36°27′N,

115°23'E

44°16′N,

71°18′W

33°42′N,

8°58'E

38.1m

(125ft)

Australia

USA

Mt. Washington NH

Kebili, Tunisia

1932-present

(210ft)

1856m

(6089 ft)

78.8°E;

246

Value

56.7°C

Southern Hemisphere	Highest Temperature	50.7°C (123°F)	2/1 (January)/1960	59 years	Oodnadatta, Australia	27°32'S, 135°26'E	112m (367 ft)
Eastern Hemisphere	Highest Temperature	55.0°C (131°F)	7/7 (July)/1931	unknown	Kebili, Tunisia	33°42′N, 8°58′E	38.1m (125ft)
Western Hemisphere	Highest Temperature	56.7°C (134°F)	10/7 (July) /1913	1911- present	Furnace Creek Ranch, CA, USA	36°27'N, 116°51'W	-54m (-179 ft)
Northern Hemisphere	Lowest Temperature	-67.8°C (-90°F)	1. 5/2 (February)/1892, 7/2 (February)/1892 2. 6/2 (January)/1933		1. Verkhoyansk, Russia 2. Oimekon, Russia	1. 67°33'N, 133°23'E 2. 63°28'N, 142°23'E	1. 107m (350 ft) 2. 800m (2625 ft)
Southern Hemisphere	Lowest Temperature	-89.2°C (-128.6°F)	21/7 (July)/1983	1912-present	Vostok, Antarctica	77°32'S, 106°40'E	3420m (11220 ft)
Eastern Hemisphere	Lowest Temperature	-89.2°C (-128.6°F)	21/7 (July)/1983	1912-present	Vostok, Antarctica	77°32'S, 106°40'E	3420m (11220 ft)
Western Hemisphere	Lowest Temperature	-66.1°C (-87°F)	9/1 (January)/1954	11/1952- 6/1954	Northice, Greenland	78°04'N, 38°29'W	2341m (7680 ft)
Northern Hemisphere	24-hour Rainfall	1633.98mm (64.3")	21-22/10 (November)/2005		Isla Mujeres, Mexico	21°15′N, 86°44′W	3m (10 ft)
Southern Hemisphere	24-hour Rainfall	1825mm (72.0")	7-8/1 (January)/1966	1966-1990	Foc-Foc, La Reunion	21°14'S, 55°40'E	2990m (9810ft)
Eastern Hemisphere	24-hour Rainfall	1825mm (72.0")	7-8/1 (January)/1966	1966-1990	Foc-Foc, La Reunion	21°14'S, 55°40'E	2990m (9810ft)
Western Hemisphere	24-hour Rainfall	1633.98mm (64.3")	21-22/10 (October)/2005		Isla Mujeres, Mexico	21°15′N, 86°44′W	3m (10 ft)
Eastern Hemisphere	Heaviest Hailstone	1.02kg (2.25lb)	14/4 (April)/1986		Gopalganj district, Bangladesh	23°00'N, 89°56'E	4m (13.1ft)
Western Hemisphere	Heaviest Hailstone	0.88 kg (1.94lb)	23/7 (July)/2010		Vivian, South Dakota	43°55'N, 100°17'W	581 meters (1907 ft)
Northern Hemisphere	Maximum Wind Gust	103.3 m/s (231 mph)	12/4 (April)/1934	1932-present	Mt. Washington NH USA	44°16′N, 71°18′W	1856m (6089 ft)
Southern Hemisphere	Maximum Wind Gust	112.3m/s (253mph; 220kt)	10/4 (April)/1996	1932- present	Barrow Island Australia	20°49'S, 115°23'E	64m (210ft)
Eastern Hemisphere	Maximum Wind Gust	112.3m/s	10/4 (April)/1996	1932- present	Barrow Island	20°49'S,	64m

Geopolitical **Continental Element** Longitude/ Length of **WMO Region** Characteristic Value Date (D/M/Y) Location Latitude Elevation Record

7/7 (July)/1931

unknown

12/4 (April)/1934

Continental Weather & Climate Extremes: Based on World Meteorological Organization Defined Regions

(253mph;

103.3 m/s

(231 mph)

55.0°C

(131°F)

220kt)

Maximum Wind Gust

REGION'I AFRICA

Highest Temperature



Wind Speed	100HI/3 (002 HIPH)	0/0 (May)/ 1333		USA	97°44'W	410111 (100011)
Longest Tornado Transport	A personal check carried 359 km (223 mi.)	11/4 (April)/1991	,	Stockton, KS USA to Winnetoon, NE USA		
World Tropical Cyclone Back to Top	e Records					
Tropical Cyclone Characteristic	Value	Date (D/M/Y)	Length of Record	Tropical Cyclo	one	Latitude/ Longitude
Highest Mortality: Tropical Cyclone	estimated 300,000 individuals	12-13/11 (Nov)/1970	1873-presen	t coastal Bangla	adesh	22.3°N;, 91.8°W;
Most Intense - by Central Pressure (World and Eastern Hemisphere)	870mb (25.69")	12/10 (October)/197	1951- preser	t Typhoon Tip ir Pacific Ocean	n the Northwest	16°44'N, 137°46'E
Most Intense - by Central Pressure (Western Hemisphere)	872mb (26.75")	1200 UTC 23 (October)/ 20	'	t Hurricane Pati Pacific Ocean	ricia in eastern	17°18'N, 105°47'W
Most Intense - by Maximum Sustained Surface Wind (TIE)	95m/s (185 kt, 215 mph)	12/9 (September)/	1945- preser 1961	t Typhoon Nand Pacific Ocean	cy in the Northwest	15°30'N, 137°30'E
Most Intense - by Maximum Sustained Surface Wind (TIE)	95m/s (185 kt, 215 mph)	1200 UTC 23 (October)/ 20	'	t Hurricane Pati Pacific Ocean	ricia in eastern	17°18'N, 105°47'W
Maximum Surface Wind Gust for Tropical Cyclone	113.2 m/s (253mph; 220 kt	1055 UTC, 10 (April)/1996	/4 1949-presen	t Barrow Island,	, Australia	20°49'S, 115°23'E
Fastest Intensification	100mb (976 to 876 mb) in just under 24 hours	22-23/9 (September)/	1951- preser 1983	t Typhoon Forre Pacific Ocean	est in Northwest	18°0'N, 136°0'E
Highest Storm Surge	13m (42 feet)	5/3 (March)/1	899	Tropical Cyclo Bathurst Bay, Australia		14°15'S, 144°23'E
First Identified South Atlantic		28/3	1966-presen	t Tropical Cyclo	ne Catarina; state	approximatel

2011

5 (May)/2003

Oklahoma EF5

United States

Bridge Creek, OK 35°14'N,

Tornado

1950- present

3/5 (May)/1999 ~1996- present

97°57'W

miles)

416m (1365 ft)

				Bathurst Bay, Queensland, Australia	144°23'E
First Identified South Atlantic Hurricane		28/3 (March)/2004	1966-present	Tropical Cyclone Catarina; state of Santa Catarina, Brazil	approximately 27°S, 48°W
Largest Tropical Cyclone (winds from center)	Gale winds [17m/s, 34 kt, 39mph] extending 1100km (675 mi) from center	12/10 (October)/1979	1945- present	Typhoon Tip in Northwest Pacific Ocean	16°44'N, 137°46'E
Smallest Tropical Cyclone (winds from center)	Gale winds [17m/s, 34kt, 39mph] extending 50km (30 mi) from center	24/12 (December)/1974	1956- present	Tropical Cyclone Tracy near Darwin, Australia	12°12'S, 130°00'E
Longest Lasting Tropical Cyclone	31 days	10/8 (August)/1994- 10/9 (September)/1994	1945- present	Hurricane / Typhoon John in Northeast & Northwest Pacific Basins	
Longest Distance Traveled by Tropical Cyclone	13280 km (7165 st. mi.)	10/8 (August)/1994- 10/9 (September)/1994	1961-present (satellite era)	Hurricane / Typhoon John in Northeast & Northwest Pacific Basins	
Smallest eye	6.7km (4 mile)	24/12 (December)/1974	1956-present	Tropical Cyclone Tracy at Darwin Australia	12°12'S, 130°00'E
Largest eye	90km (56 mile)	21/2 (February)/1979	1956-present	Tropical Cycle Kerry, Coral Sea	17°30'S, 154°06'W
Largest Rainfall of Tropical Cyclones	Value	Date (D/M/Y)	Length of Record	Tropical Cyclone	Latitude/ Longitude
12 hr	1.144m (45.0")	7-8/1 (January)/1966	1966-1990	Tropical Cyclone Denise in South Indian Ocean	21°14'S, 55°41'E
24 hr_	1.825m (71.8")	7-8/1 (January)/1966	1966- 1990	Tropical Cyclone Denise in South Indian Ocean	21°15'S, 55°40'E
48 hr	2.467m (97.1")	7-9/4 (April)/1958	1968- present	Unnamed Tropical Cyclone In South Indian Ocean	21°00'S, 55°26'E
72 hr	3.930m (154.72")	24-27/2 (February) /2007	1968-present	Tropical Cyclone Gamede in South Indian Ocean	21°12'S, 55°39'E

World Meteorological-Related Phenomena Records

96 hr

10-day

4.936m (194.33")

5.678m (223.5")

diameter)

Calendar Month with Greatest

Highest Recorded Tornadic

number of Tornadoes

543 tornadoes

135m/s (302 mph)

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Phenomena Characteristic	Value	Date (D/M/Y)	Length of Record	Geopolitical Location	Longitude/ Latitude	Elevation			
World's Highest Significant Wave Height by Ship Observation	18.5 m (60.7 ft)	2214 UTC 8/2 (February)/2000		North Atlantic	57°30'N, 12°42'W	0m (0 ft)			
World's Highest Significant Wave Height by Buoy	19.0 m (62.3 ft)	0600 UTC 4/02 (February)/2013		North Atlantic	59°07'N, 11°42'W	0m (0 ft)			

24-28/2

18-27/1

(February)/2007

(January)/1980

1968-present

1968- present

Tropical Cyclone Gamede in South

Tropical Cyclone Hyacinte in

Indian Ocean

South Indian Ocean

21°12'S,

55°39'E

21°12′S,

55°39'E

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