

global climate update march 2025



the climate centre



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How to read this report

Ranks are based on the seasonal average or sum from 1940 to present day. A value of 1 indicates the highest rank, while a rank of 86 indicates the lowest rank. Anomalies are calculated relative to a 1941-1970 average (baseline). Use of the term 'Territory' in the context of this document, refers to a country or dependency. For a full list of territories considered please see the list of countries and dependencies. To see more information on our methods, refer to our methodology document.



global

14.1 °C mean temp

1.4 °C anomaly

2nd

highest mar on record

The warmest continent for March 2025 was Oceania, with a mean temperature of 26.9 °C, and the highest mean temperature anomaly was for Europe* at 3.8 °C. The coldest continent was Antarctica with a mean temperature of -35.5 °C, and the lowest mean temperature anomaly was also for Antarctica at 0.3 °C.

Lagation	Mean Temperature					
Location	Value (°C)	Anomaly (°C)	Rank	Percentile		
World	14.1	1.4	2 nd	Upper 2%		
Africa	25.3	2.3	2^{nd}	Upper 2%		
Americas	8.0	2.0	4 th	Upper 5%		
Antarctica	-35.5	0.3	40 th	Upper 47%		
Asia	11.3	2.0	11 th	Upper 13%		
Europe*	-6.7	3.8	10 th	Upper 12%		
Oceania	26.9	1.7] st	Upper 1%		

Within Africa, the region with the highest mean was Western Africa (29.4 °C), and the region with the highest anomaly was also Western Africa (3.1 °C). The region with the lowest mean was Northern Africa (21.8 °C), and the region with the lowest anomaly was Southern Africa (1.1 °C). Within the Americas, the region with the highest mean was the Caribbean (24.6 °C), and the region with the highest anomaly was Northern America (2.7 °C). The region with the lowest mean was also Northern America (-6.5 °C), and the region with the lowest anomaly was the Caribbean (0.8 °C). Within Asia, the region with the highest mean was South-Eastern Asia (25.6 °C), and the region with the highest anomaly was Central Asia (4.0 °C). The region with the lowest mean was Eastern Asia (1.3 °C), and the region with the lowest anomaly was South-Eastern Asia (1.3 °C). Within Europe*, the region with the highest mean was Southern Europe (9.6 °C), and the region with the highest anomaly was Northern Europe (4.6 °C). The region with the lowest mean was Eastern Europe* (-9.4 °C), and the regions with the lowest anomaly were Southern Europe and Western Europe (2.1 °C). Within Oceania, the region with the highest mean was Micronesia (27.2 °C), and the regions with the highest anomaly were Australia and New Zealand and Melanesia (1.8 °C). The region with the lowest mean was Melanesia (24.8 °C), and the regions with the lowest anomaly were Micronesia and Polynesia (0.7 °C).





africa

25.3 °C mean temp 2.3 °C anomaly 2nd highest mar on record

Lambias	Mean Temperature					
Location	Value (°C)	Anomaly (°C)	Rank	Percentile		
Africa	25.3	2.3	2 nd	Upper 2%		
Eastern Africa	25.6	1.7	5 th	Upper 6%		
Middle Africa	26.3	2.1	3 rd	Upper 3%		
Northern Africa	21.8	2.8	8 th	Upper 9%		
Southern Africa	22.9	1.1	22 nd	Upper 26%		
Western Africa	29.4	3.1] st	Upper 1%		

Within Eastern Africa, the territory with the highest mean temperature was South Sudan (31.1 °C), and the territory with the highest anomaly was Uganda (2.6 °C). The territory with the lowest mean temperature was Rwanda (20.6 °C), and the territory with the lowest anomaly was Seychelles (0.8 °C).

Within Middle Africa, the territory with the highest mean temperature was Central African Republic (29.9 °C), and the territories with the highest anomaly were Central African Republic and Chad (2.4 °C). The territory with the lowest mean temperature was Angola (23.1 °C), and the territory with the lowest anomaly was São Tomé and Príncipe (1.0 °C).

Within Northern Africa, the territory with the highest mean temperature was Sudan (26.1 $^{\circ}$ C), and the territories with the highest anomaly were Libya and Tunisia (4.2 $^{\circ}$ C). The territory with the lowest mean temperature was Morocco (14.1 $^{\circ}$ C), and the territory with the lowest anomaly was Western Sahara (-0.7 $^{\circ}$ C).

Within Southern Africa, the territory with the highest mean temperature was Botswana (24.3 $^{\circ}$ C), and the territory with the highest anomaly was Lesotho (2.0 $^{\circ}$ C). The territory with the lowest mean temperature was also Lesotho (15.4 $^{\circ}$ C), and the territory with the lowest anomaly was Botswana (0.6 $^{\circ}$ C).

Within Western Africa, the territory with the highest mean temperature was Burkina Faso (33.4 °C), and the territory with the highest anomaly was Niger (4.7 °C). The territory with the lowest mean temperature was Cabo Verde (19.9 °C), and the territory with the lowest anomaly was Cabo Verde (-0.3 °C).



americas

8.0 °C mean

mean 2.0 °C anomaly

4th

highest mar on record

Location	Mean Temperature						
Location	Value (°C)	Anomaly (°C) Rank Percenti					
Americas	8.0	2.0	4 th	Upper 5%			
Caribbean	24.6	0.8	6 th	Upper 7%			
Central America	21.3	2.2	2 nd	Upper 2%			
Northern America	-6.5	2.7	6 th	Upper 7%			
South America	23.2	1.2	7^{th}	Upper 8%			

Within the Caribbean, the territory with the highest mean temperature was Barbados (34.4 °C), and the territories with the highest anomaly were Montserrat and Saint-Martin (5.7 °C). The territory with the lowest mean temperature was Bahamas (23.7 °C), and the territory with the lowest anomaly was Cuba (0.4 °C).

Within Central America, the territory with the highest mean temperature was El Salvador (27.9 °C), and the territory with the highest anomaly was México (2.4 °C). The territory with the lowest mean temperature was also México (20.3 °C), and the territory with the lowest anomaly was Panama (0.9 °C).

Within Northern America, the territory with the highest mean temperature was Bermuda (15.3 °C), and the territory with the highest anomaly was United States (4.2 °C). The territory with the lowest mean temperature was Greenland (-24.7 °C), and the territory with the lowest anomaly was Saint Pierre and Miquelon (1.0 °C).

Within South America, the territory with the highest mean temperature was Venezuela (27.4 °C), and the territory with the highest anomaly was also Venezuela (1.7 °C). The territory with the lowest mean temperature was Falkland Islands (9.7 °C), and the territory with the lowest anomaly was Guyana (0.6 °C).







asia

11.3 °C mean temp 2.0 °C anomaly 11th highest mar on record

Location	Mean Temperature					
Location	Value (°C)	Anomaly (°C)	Rank	Percentile		
Asia	11.3	2.0	11 th	Upper 13%		
Central Asia	2.7	4.0	13 th	Upper 15%		
Eastern Asia	1.3	1.4	19 th	Upper 22%		
South-Eastern Asia	25.6	1.3	10 th	Upper 12%		
Southern Asia	19.0	1.8	12 th	Upper 14%		
Western Asia	18.7	2.7	8 th	Upper 9%		

Within Central Asia, the territory with the highest mean temperature was Turkmenistan (12.3 °C), and the territory with the highest anomaly was Kazakhstan (4.4 °C). The territory with the lowest mean temperature was Tajikistan (-4.9 °C), and the territory with the lowest anomaly was Kyrgyzstan (1.3 °C).

Within Eastern Asia, the territory with the highest mean temperature was Taiwan (17.4 °C), and the territory with the highest anomaly was North Korea (3.9 °C). The territory with the lowest mean temperature was Mongolia (-4.4 °C), and the territory with the lowest anomaly was Taiwan (0.9 °C).

Within South-Eastern Asia, the territory with the highest mean temperature was Cambodia (28.8 °C), and the territory with the highest anomaly was Myanmar (1.8 °C). The territory with the lowest mean temperature was Vietnam (22.6 °C), and the territory with the lowest anomaly was also Vietnam (0.3 °C).

Within Southern Asia, the territory with the highest mean temperature was Maldives (28.0 °C), and the territory with the highest anomaly was Iran (3.0 °C). The territory with the lowest mean temperature was Afghanistan (6.9 °C), and the territory with the lowest anomaly was Bangladesh (0.7 °C).

Within Western Asia, the territory with the highest mean temperature was Oman (25.7°C), and the territory with the highest anomaly was Armenia (5.2°C). The territory with the lowest mean temperature was also Armenia (4.0 °C), and the territory with the lowest anomaly was Bahrain (-0.3 °C).



europe*

-6.7 °C

mean temp 3.8 °C anomaly 10th

highest mar on record

Location		Mean Temperature						
Location	Value (°C)	C) Anomaly (°C) Rank Percentile						
Europe*	-6.7	3.8	10 th	Upper 12%				
Eastern Europe*	-9.4	3.9	14 th	Upper 16%				
Northern Europe	1.1	4.6	3 rd	Upper 3%				
Southern Europe	9.6	2.1	15 th	Upper 17%				
Western Europe	6.8	2.1	19 th	Upper 22%				

Within Eastern Europe*, the territory with the highest mean temperature was Bulgaria (9.3 °C), and the territory with the highest anomaly was Belarus (7.9 °C). The territory with the lowest mean temperature was Russia (-11.1 °C), and the territory with the lowest anomaly was Hungary (3.3 °C).

Within Northern Europe, the territory with the highest mean temperature was Jersey (9.1 °C), and the territory with the highest anomaly was Svalbard and Jan Mayen (7.1 °C). The territory with the lowest mean temperature was also Svalbard and Jan Mayen (-14.0 °C), and the territory with the lowest anomaly was Jersey (1.2 °C).

Within Southern Europe, the territory with the highest mean temperature was Malta (16.0 °C), and the territory with the highest anomaly was Bosnia and Herzegovina (5.0 °C). The territory with the lowest mean temperature was Andorra (-0.0 °C), and the territory with the lowest anomaly was Portugal (0.2 °C).

Within Western Europe, the territory with the highest mean temperature was Monaco (11.2 °C), and the territory with the highest anomaly was Liechtenstein (4.1 °C). The territory with the lowest mean temperature was Switzerland (2.7 °C), and the territory with the lowest anomaly was France (1.4 °C).

*Note: Values for Europe and Eastern Europe incorporate all of geographical Russia, even those parts that are geographically located in Asia.





oceania

26.9 °C mean temp

1.7 °C anomaly

1 st highest mar on record

Lasstica	Mean Temperature						
Location	Value (°C) Anomaly (°C) Rank Perce						
Oceania	26.9	1.7] st	Upper 1%			
Australia and New Zealand	27.0	1.8] st	Upper 1%			
Melanesia	24.8	1.7	3 rd	Upper 3%			
Micronesia	27.2	0.7	5 th	Upper 6%			
Polynesia	26.6	0.7]] th	Upper 13%			

Within Australia and New Zealand, the territory with the highest mean temperature was Australia (27.5 °C), and the territory with the highest anomaly was also Australia (1.8 °C). The territory with the lowest mean temperature was New Zealand (14.1 °C), and the territory with the lowest anomaly was Norfolk Island (0.4 °C).

Within Melanesia, the territory with the highest mean temperature was Solomon Islands (26.8 °C), and the territory with the highest anomaly was Papua New Guinea (1.8 °C). The territory with the lowest mean temperature was also Papua New Guinea (24.5 °C), and the territory with the lowest anomaly was Vanuatu (0.6 °C).

Within Micronesia, the territory with the highest mean temperature was Palau (27.6 $^{\circ}$ C), and the territories with the highest anomaly were Northern Mariana Islands and Palau (1.0 $^{\circ}$ C). The territory with the lowest mean temperature was Kiribati (25.9 $^{\circ}$ C), and the territory with the lowest anomaly was also Kiribati (0.1 $^{\circ}$ C).

Within Polynesia, the territories with the highest mean temperature were American Samoa and Tuvalu (27.5 °C), and the territories with the highest anomaly were Cook Islands and Tokelau (1.0 °C). The territory with the lowest mean temperature was Tonga (22.7 °C), and the territories with the lowest anomaly were Niue, Tonga, and Tuvalu (0.5 °C).



territories (countries and dependencies)

Country or Dependency	N	Aean Tempera	ture	
Country of Dependency	Value (°C)	Anomaly (°C)	Rank	Percentile
Afghanistan	6.9	1.5	27	Upper 31%
Albania	9.7	3.9	3	Upper 3%
Algeria	21.4	3.8	3	Upper 3%
American Samoa	27.5	0.8	8	Upper 9%
Andorra	0	0.5	43	Upper 50%
Angola	23.1	1.4	6	Upper 7%
Anguilla	25.5	1.1	3	Upper 3%
Antigua and Barbuda	25.8	1.1	4	Upper 5%
Argentina	18.7	0.8	21	Upper 24%
Armenia	4	5.2	4	Upper 5%
Aruba	26.4	1	4	Upper 5%
Australia	27.5	1.8	2	Upper 2%
Austria	4.2	3.7	7	Upper 8%
Azerbaijan	8.3	4.2	3	Upper 3%
Bahamas	23.7	0.5	25	Upper 29%
Bahrain	19.9	-0.3	55	Lower 36%
Bangladesh	26.2	0.7	22	Upper 26%
Barbados	34.4	5.1	1	Upper 1%
Belarus	5.3	7.9	2	Upper 2%
Belgium	7.4	2.4	17	Upper 20%
Belize	26	1.6	8	Upper 9%
Benin	31.9	2.7	2	Upper 2%
Bermuda	15.3	2.1	20	Upper 23%
Bhutan	7	2.8	5	Upper 6%
Bolivia	21.3	1.1	20	Upper 23%
Bonaire, Sint Eustatius and Saba	25.7	1.1	3	Upper 3%
Bosnia and Herzegovina	8.3	5	3	Upper 3%
Botswana	24.3	0.6	38	Upper 44%
Brazil	25.7	1.4	6	Upper 7%
Brunei	26.7	1.7	7	Upper 8%
Bulgaria	9.3	5.2	2	Upper 2%
Burkina Faso	33.4	3.8	2	Upper 2%

Durundi	21.5	10	7	Linnar 70/
Burundi	21.5	1.9	3	Upper 3%
Cabo Verde	19.9	-0.3	60	Lower 30%
Cambodia	28.8	1.1	30	Upper 35%
Cameroon	27.8	2.1	2	Upper 2%
Canada	-13.9	1.1	34	Upper 40%
Cayman Islands	26.3	1.1	3	Upper 3%
Central African Republic	29.9	2.4	3	Upper 3%
Chad	28.2	2.4	8	Upper 9%
Chile	12	0.8	25	Upper 29%
China	2	1.2	20	Upper 23%
Colombia	24.8	0.9	12	Upper 14%
Comoros	26.8	1.2	7	Upper 8%
Cook Islands	26.6	1	7	Upper 8%
Costa Rica	23.7	1	11	Upper 13%
Croatia	9.5	3.9	9	Upper 10%
Cuba	24.5	0.4	26	Upper 30%
Curacao	26.4	0.9	6	Upper 7%
Cyprus	15.3	2.8	4	Upper 5%
Czechia	5.6	3.9	11	Upper 13%
Cote d'Ivoire	28.8	1.6	9	Upper 10%
Democratic Republic of the Congo	25.6	2.2	3	Upper 3%
Denmark	5.4	3.7	7	Upper 8%
Djibouti	27	1.6	4	Upper 5%
Dominica	34.3	5.6	1	Upper 1%
Dominican Republic	24.2	1.5	3	Upper 3%
Ecuador	21.8	1.4	7	Upper 8%
Egypt	20	2.6	10	Upper 12%
El Salvador	27.9	1.9	3	Upper 3%
Equatorial Guinea	25.3	1.8	4	Upper 5%
Eritrea	26.5	1.7	13	Upper 15%
Estonia	3	6.7	2	Upper 2%
Eswatini	23	1.6	11	Upper 13%
Ethiopia	25.6	2.1	7	Upper 8%
Falkland Islands	9.7	1	22	Upper 26%
Faroe Islands	5.8	2	8	Upper 9%
Fiji	26	0.9	8	Upper 9%
Finland	-1.6	5	8	Upper 9%
France	7.9	1.4	24	Upper 28%
French Guiana	25.7	1.2	12	Upper 14%
French Polynesia	26.9	0.7	14	Upper 16%
Gabon	25.9	1.6	10	Upper 12%
Gambia	28.5	0.6	23	Upper 27%
Georgia	4.7	4.4	6	Upper 7%
Germany	6.1	2.8	16	Upper 19%

Ghana	30.5	1.9	6	Upper 7%
Greece	11.6	3.4	2	Upper 2%
Greenland	-24.7	3.4	7	Upper 8%
Grenada	34.2	4.3	2	Upper 2%
Guadeloupe	25.5	1.3	4	Upper 5%
Guatemala	24.1	2	6	Upper 7%
Guinea	29.8	2.1	2	Upper 2%
Guinea Guinea-Bissau	28.8	0.8	21	Upper 24%
Guyana	25.3	0.6	23	Upper 27%
Haiti	24.9	1.2	6	Upper 7%
Honduras	24.9	2	3	1
			1	Upper 3%
Hungary	8.2	3.3	14	Upper 16%
Iceland	-0.6	3.8	9	Upper 10%
India	24.5	1.2	14	Upper 16%
Indonesia	25.7	1.6	7	Upper 8%
Iran	13.9	3	15	Upper 17%
Iraq	17.6	2.8	13	Upper 15%
Ireland	8.1	1.6	9	Upper 10%
Isle of Man	8.1	1.9	4	Upper 5%
Israel	17.3	3.2	6	Upper 7%
Italy	9.4	2.5	10	Upper 12%
Jamaica	25.7	1.7	2	Upper 2%
Japan	5.4	2.2	13	Upper 15%
Jersey	9.1	1.2	19	Upper 22%
Jordan	15.8	2.9	8	Upper 9%
Kazakhstan	0.7	4.4	13	Upper 15%
Kenya	27.1	1.6	23	Upper 27%
Kiribati	25.9	0.1	50	Lower 42%
Kosovo	8.2	4.9	3	Upper 3%
Kuwait	19.5	0.8	33	Upper 38%
Kyrgyzstan	-3.9	1.3	23	Upper 27%
Laos	23.4	0.5	36	Upper 42%
Latvia	3.9	6.8	2	Upper 2%
Lebanon	12.4	3.8	5	Upper 6%
Lesotho	15.4	2	7	Upper 8%
Liberia	27.1	1.6	6	Upper 7%
Libya	21.1	4.2	3	Upper 3%
Liechtenstein	5.2	4.1	4	Upper 5%
Lithuania	4.6	6.6	4	Upper 5%
Luxembourg	6.7	2.4	15	Upper 17%
Madagascar	24.6	1.6	11	Upper 13%
Malawi	23.2	1.1	18	Upper 21%
Malaysia	25.9	1.4	10	Upper 12%
Maldives	28	0.8	10	Upper 12%

Mali	30.8	4.6	1	Upper 1%
Malta	16	2.1	1	Upper 1%
Marshall Islands	27.3	0.7	11	Upper 13%
Martinique	25.5	1	6	Upper 7%
Mauritania	25.6	1.9	15	Upper 17%
Mauritius	26.7	1.4	1	Upper 1%
Mayotte	28	1.2	3	Upper 3%
Micronesia	27.5	0.9	3	Upper 3%
Moldova	8.5	6.6	1	Upper 1%
Monaco	11.2	1.8	11	Upper 13%
Mongolia	-4.4	1.8	20	Upper 23%
Montenegro	7.2	4.3	4	Upper 5%
Montserrat	33.1	5.7	1	Upper 1%
Morocco	14.1	0.8	38	Upper 44%
Mozambique	25.5	1.2	17	Upper 20%
Myanmar	25.1	1.8	4	Upper 5%
Mexico	20.3	2.4	4	Upper 5%
Namibia	23.8	0.8	27	Upper 31%
Nauru	27.1	0.6	36	Upper 42%
Nepal	10.8	2.3	10	1
Nepai Netherlands	7	2.3	20	Upper 12%
New Caledonia	25.1	1.1	17	Upper 23%
				Upper 20%
New Zealand	14.1	1.2	21 7	Upper 24%
Nicaragua	26.3	1.4		Upper 8%
Niger	29.1	4.7	2	Upper 2%
Nigeria	30.9	2.5	2	Upper 2%
Niue	22.9	0.5	32	Upper 37%
Norfolk Island	22.6	0.4	24	Upper 28%
North Korea	1.8	3.9	10	Upper 12%
North Macedonia	8.7	4.8	3	Upper 3%
Northern Cyprus	16.5	2.8	5	Upper 6%
Northern Mariana Islands	26.8	1	4	Upper 5%
Norway	-0.5	5.1	5	Upper 6%
Oman	25.7	1.4	18	Upper 21%
Pakistan	18	1.7	14	Upper 16%
Palau	27.6	1	1	Upper 1%
Palestine	17.2	3.1	5	Upper 6%
Panama	25.6	0.9	16	Upper 19%
Papua New Guinea	24.5	1.8	3	Upper 3%
Paraguay	26.8	1.5	21	Upper 24%
Peru	19.5	1.1	10	Upper 12%
Philippines	26.1	1.5	8	Upper 9%
Poland	6	5.2	5	Upper 6%
Portugal	11.4	0.2	48	Lower 44%

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South Sudan 31.1 2.2 17 Upper 20
Spain 9.2 0.5 51 Lower 41
Sri Lanka 26.8 0.8 30 Upper 35
Sudan 26.1 1.4 28 Upper 33
Suriname 25.6 0.7 26 Upper 30
Svalbard and Jan Mayen -14 7.1 17 Upper 20
Sweden 0.5 4.8 4 Upper 5
Switzerland 2.7 3 9 Upper 10
Syria 15.8 4.2 4 Upper 5
Sao Tome and Principe 27.5 1 6 Upper 7
Taiwan 17.4 0.9 34 Upper 40
Tajikistan -4.9 1.7 22 Upper 20
Tanzania 23.8 1.6 8 Upper 9
Thailand 27.6 0.9 30 Upper 35
Timor-Leste 25.4 1.3 4 Upper 5

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Togo	30.4	2	4	Upper 5%
Tokelau	26.6	1	10	Upper 12%
Tonga	22.7	0.5	30	Upper 35%
Trinidad and Tobago	26.2	1	7	Upper 8%
Tunisia	18	4.2	2	Upper 2%
Turkey	8.5	5.1	3	Upper 3%
Turkmenistan	12.3	3.6	10	Upper 12%
Turks and Caicos Islands	24.8	0.7	10	Upper 12%
Tuvalu	27.5	0.5	16	Upper 19%
Uganda	25.4	2.6	9	Upper 10%
Ukraine	6.9	7.2	1	Upper 1%
United Arab Emirates	24.2	1.6	13	Upper 15%
United Kingdom	7.2	2.4	8	Upper 9%
United States	5.5	4.2	3	Upper 3%
Uruguay	22	0.8	18	Upper 21%
Uzbekistan	8.9	3.7	14	Upper 16%
Vanuatu	26.3	0.6	17	Upper 20%
Vatican City	12.5	3	4	Upper 5%
Venezuela	27.4	1.7	4	Upper 5%
Vietnam	22.6	0.3	47	Lower 45%
Virgin Islands, U.S.	25.7	1	3	Upper 3%
Wallis and Futuna	24.3	0.6	28	Upper 33%
Western Sahara	19	-0.7	66	Lower 23%
Yemen	24.8	2	7	Upper 8%
Zambia	23	1.8	9	Upper 10%
Zimbabwe	23.2	1.2	25	Upper 29%
Åland	3	4.8	2	Upper 2%