

Global Time Series

[Data Info](#)[Data Service](#)

Please note, global and hemispheric temperature anomalies are with respect to the **1901-2000 average**. Coordinate temperature anomalies are with respect to the **1991-2020 average**. All other regional temperature anomalies are with respect to the **1910-2000 average**. Monthly precipitation data are not available until a few days after temperature data are released.

Region:	<input type="text" value="Global"/>
Latitude:	<input type="text" value="0"/> <small>-90.0 to 90.0</small>
Longitude:	<input type="text" value="0"/> <small>-180.0 to 180.0</small>
Surface:	<input type="text" value="Land and Ocean"/>
Parameter:	<input type="text" value="Average Temperature Anomaly"/>
Time Scale:	<input type="text" value="1-Month"/>
Month:	<input type="text" value="November"/>
Start Year:	<input type="text" value="1850"/>
End Year:	<input type="text" value="2025"/>

[Base Period](#)

Display Base Period

Start: End: [Help improve this site](#)

Trend

Display Trend

Start: 1850 End: 2025

Filter

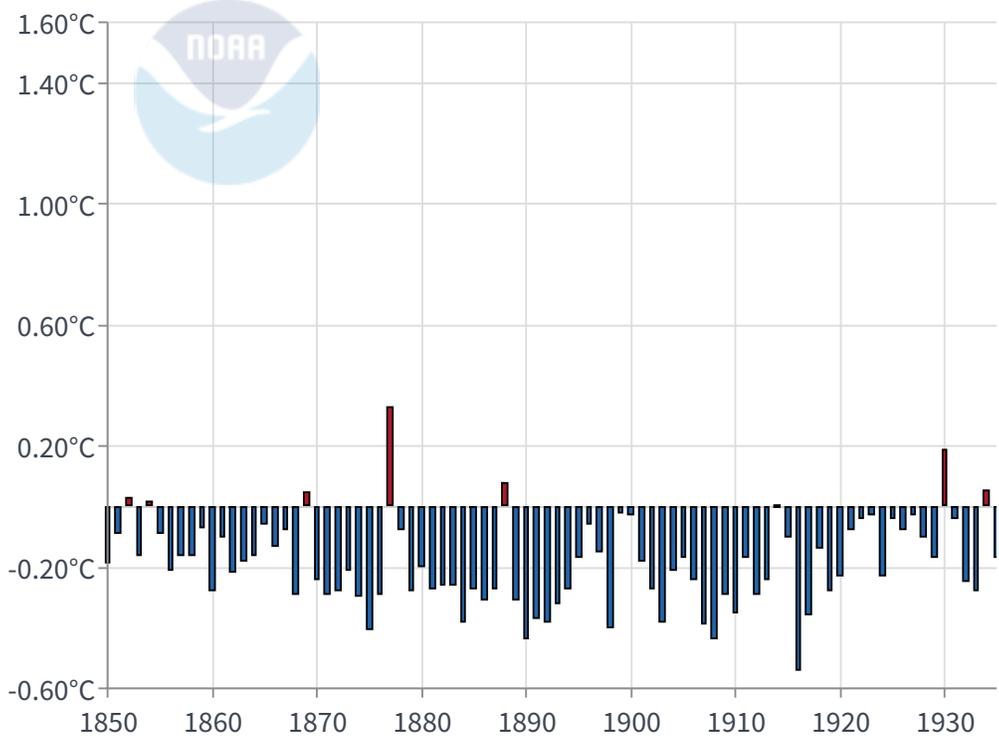
Smoothed Time Series

Binomial Filter LOESS 5-Year Mean

Plot

Global Land and Ocean Average Temperature Anomalies

November



Download: CSV JSON XML

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Global Land and Ocean Average Temperature Anomalies

November

Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 2025	1.18°C	174
Nov 2024	1.33°C	175
Nov 2023	1.43°C	176
Nov 2022	0.75°C	162*
Nov 2021	0.94°C	170
Nov 2020	1.07°C	173
Nov 2019	0.99°C	171
Nov 2018	0.85°C	167
Nov 2017	0.89°C	168
Nov 2016	0.93°C	169
Nov 2015	1.05°C	172
Nov 2014	0.67°C	156
Nov 2013	0.79°C	166
Nov 2012	0.75°C	162*
Nov 2011	0.55°C	151
Nov 2010	0.78°C	165

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 2009	0.76°C	163
Nov 2008	0.70°C	160*
Nov 2007	0.57°C	154*
Nov 2006	0.68°C	157
Nov 2005	0.77°C	164
Nov 2004	0.70°C	160*
Nov 2003	0.56°C	152
Nov 2002	0.57°C	154*
Nov 2001	0.69°C	158
Nov 2000	0.30°C	142*
Nov 1999	0.36°C	145
Nov 1998	0.44°C	149
Nov 1997	0.62°C	155
Nov 1996	0.40°C	146
Nov 1995	0.46°C	150
Nov 1994	0.43°C	148
Nov 1993	0.08°C	117*
Nov 1992	0.05°C	111*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1991	0.30°C	142*
Nov 1990	0.41°C	147
Nov 1989	0.17°C	129*
Nov 1988	0.15°C	127
Nov 1987	0.26°C	137*
Nov 1986	0.14°C	126*
Nov 1985	0.11°C	121*
Nov 1984	0.08°C	117*
Nov 1983	0.35°C	144
Nov 1982	0.17°C	129*
Nov 1981	0.29°C	140
Nov 1980	0.26°C	137*
Nov 1979	0.28°C	139
Nov 1978	0.18°C	130
Nov 1977	0.19°C	133*
Nov 1976	-0.05°C	84*
Nov 1975	-0.19°C	48*
Nov 1974	-0.10°C	66*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1973	0.04°C	109*
Nov 1972	0.03°C	106*
Nov 1971	-0.10°C	66*
Nov 1970	0.02°C	104*
Nov 1969	0.14°C	126*
Nov 1968	-0.09°C	72*
Nov 1967	-0.05°C	84*
Nov 1966	-0.02°C	95*
Nov 1965	0.00°C	100*
Nov 1964	-0.24°C	36*
Nov 1963	0.12°C	124*
Nov 1962	0.11°C	121*
Nov 1961	0.04°C	109*
Nov 1960	-0.11°C	65
Nov 1959	-0.04°C	86*
Nov 1958	0.01°C	102*
Nov 1957	0.06°C	114*
Nov 1956	-0.13°C	63*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1955	-0.23°C	40*
Nov 1954	0.04°C	109*
Nov 1953	-0.01°C	97*
Nov 1952	-0.07°C	80*
Nov 1951	0.00°C	100*
Nov 1950	-0.29°C	17*
Nov 1949	-0.10°C	66*
Nov 1948	-0.08°C	75*
Nov 1947	-0.01°C	97*
Nov 1946	0.01°C	102*
Nov 1945	0.12°C	124*
Nov 1944	0.21°C	135*
Nov 1943	0.21°C	135*
Nov 1942	0.11°C	121*
Nov 1941	0.27°C	138
Nov 1940	0.19°C	133*
Nov 1939	0.10°C	118
Nov 1938	0.06°C	114*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1937	0.12°C	124*
Nov 1936	-0.02°C	95*
Nov 1935	-0.17°C	52*
Nov 1934	0.06°C	114*
Nov 1933	-0.28°C	23*
Nov 1932	-0.25°C	35
Nov 1931	-0.04°C	86*
Nov 1930	0.19°C	133*
Nov 1929	-0.17°C	52*
Nov 1928	-0.10°C	66*
Nov 1927	-0.03°C	92*
Nov 1926	-0.08°C	75*
Nov 1925	-0.04°C	86*
Nov 1924	-0.23°C	40*
Nov 1923	-0.03°C	92*
Nov 1922	-0.04°C	86*
Nov 1921	-0.08°C	75*
Nov 1920	-0.23°C	40*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1919	-0.28°C	23*
Nov 1918	-0.14°C	62
Nov 1917	-0.36°C	11
Nov 1916	-0.54°C	1
Nov 1915	-0.10°C	66*
Nov 1914	0.00°C	100*
Nov 1913	-0.24°C	36*
Nov 1912	-0.29°C	17*
Nov 1911	-0.17°C	52*
Nov 1910	-0.35°C	12
Nov 1909	-0.29°C	17*
Nov 1908	-0.44°C	2*
Nov 1907	-0.39°C	6
Nov 1906	-0.24°C	36*
Nov 1905	-0.17°C	52*
Nov 1904	-0.21°C	44*
Nov 1903	-0.38°C	7*
Nov 1902	-0.27°C	28*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1901	-0.18°C	50*
Nov 1900	-0.03°C	92*
Nov 1899	-0.02°C	95*
Nov 1898	-0.40°C	5
Nov 1897	-0.15°C	61
Nov 1896	-0.06°C	82*
Nov 1895	-0.17°C	52*
Nov 1894	-0.27°C	28*
Nov 1893	-0.32°C	13
Nov 1892	-0.38°C	7*
Nov 1891	-0.37°C	10
Nov 1890	-0.44°C	2*
Nov 1889	-0.31°C	14*
Nov 1888	0.08°C	117*
Nov 1887	-0.27°C	28*
Nov 1886	-0.31°C	14*
Nov 1885	-0.27°C	28*
Nov 1884	-0.38°C	7*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1883	-0.26°C	33*
Nov 1882	-0.26°C	33*
Nov 1881	-0.27°C	28*
Nov 1880	-0.20°C	47
Nov 1879	-0.28°C	23*
Nov 1878	-0.08°C	75*
Nov 1877	0.33°C	143
Nov 1876	-0.29°C	17*
Nov 1875	-0.41°C	4
Nov 1874	-0.30°C	16
Nov 1873	-0.21°C	44*
Nov 1872	-0.28°C	23*
Nov 1871	-0.29°C	17*
Nov 1870	-0.24°C	36*
Nov 1869	0.05°C	111*
Nov 1868	-0.29°C	17*
Nov 1867	-0.08°C	75*
Nov 1866	-0.13°C	63*

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Date	Average Temperature Anomaly	Rank <i>(out of 176)</i>
Nov 1865	-0.06°C	82*
Nov 1864	-0.16°C	57*
Nov 1863	-0.18°C	50*
Nov 1862	-0.22°C	43
Nov 1861	-0.10°C	66*
Nov 1860	-0.28°C	23*
Nov 1859	-0.07°C	80*
Nov 1858	-0.16°C	57*
Nov 1857	-0.16°C	57*
Nov 1856	-0.21°C	44*
Nov 1855	-0.09°C	72*
Nov 1854	0.02°C	104*
Nov 1853	-0.16°C	57*
Nov 1852	0.03°C	106*
Nov 1851	-0.09°C	72*
Nov 1850	-0.19°C	48*

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