

# Lower Troposphere Temperature Anomaly - Source: UAH 6.0 T departure from 1991-2020 avg. Southern Ocean Lat. 60S - 80S

	january	february	march	april	may	june	july	august	september	october	november	december	year
1980	0.6	0.6	0.7	1.0	0.6	-0.1	0.9	0.7	0.8	-0.6	-0.2	-0.8	0.3
1981	-0.3	0.3	0.7	0.1	0.3	-0.1	0.5	0.4	0.6	-0.3	-1.1	-0.3	0.1
1982	0.3	-0.4	-0.6	-0.8	0.6	0.6	-0.4	-0.3	-0.4	-0.0	-0.0	0.2	-0.1
1983	0.3	-0.1	-0.3	0.3	0.9	0.6	-0.4	-0.2	0.9	-0.6	-0.9	-0.6	-0.0
1984	0.2	-0.1	0.3	-0.0	1.4	-0.7	-0.9	0.5	-0.2	0.1	-0.4	0.6	0.1
1985	0.1	-1.0	-0.7	-0.3	-0.5	0.3	0.2	-0.0	-0.4	-0.3	-0.6	-0.9	-0.3
1986	-0.5	0.3	-0.0	0.1	0.1	0.0	0.4	-0.2	-0.4	-0.5	0.2	-0.4	-0.1
1987	-0.3	0.2	-0.3	-0.4	0.1	0.4	0.5	0.0	-0.2	0.1	-0.3	0.0	-0.0
1988	0.3	-0.6	0.0	0.5	-0.0	0.2	0.6	0.8	0.8	0.5	-0.2	0.5	0.3
1989	-0.3	-0.1	-0.2	-0.3	-0.7	-0.2	0.5	0.3	0.4	0.1	-0.4	0.9	0.0
1990	0.6	-0.4	-0.7	0.2	0.4	-0.3	1.7	-0.4	-0.1	-0.4	0.0	0.3	0.1
1991	-0.4 <sub>[0.0]</sub>	0.2 <sub>[-0.2]</sub>	-0.3 <sub>[-0.3]</sub>	0.4 <sub>[-0.0]</sub>	0.3 <sub>[0.3]</sub>	0.9 <sub>[0.2]</sub>	1.0 <sub>[0.3]</sub>	0.7 <sub>[0.1]</sub>	0.2 <sub>[0.1]</sub>	0.6 <sub>[-0.1]</sub>	-0.2 <sub>[-0.3]</sub>	0.7 <sub>[0.1]</sub>	0.4 <sub>[0.03]</sub>
1992	0.4	0.0	-0.0	0.2	0.8	0.7	0.6	0.1	-0.5	-0.1	-0.0	0.3	0.2
1993	0.4	0.0	-0.3	-0.1	-0.2	0.4	0.1	0.6	-0.0	0.0	0.1	-0.6	0.1
1994	-0.6	-0.7	-0.1	-0.1	-0.2	0.3	0.2	-0.8	0.5	-0.2	0.5	-0.1	-0.1
1995	-0.5	-0.3	0.0	0.3	-0.3	0.5	0.6	0.4	-0.1	0.4	-0.6	-0.1	0.0
1996	-0.3	-0.1	0.2	0.4	-0.6	0.4	0.3	1.9	1.1	0.2	0.5	-0.1	0.3
1997	-0.2	-0.2	0.4	-0.2	-0.0	0.8	-0.1	-0.3	-0.7	0.0	0.6	0.0	0.0
1998	0.0	0.7	-0.5	-0.1	1.1	0.9	-0.3	0.4	0.4	-0.5	-0.6	-0.4	0.1
1999	-1.0	0.0	-0.1	-0.3	-0.4	0.1	0.1	-0.2	0.3	0.1	-0.4	-0.6	-0.2
2000	-1.1	-0.1	-0.2	-0.7	0.1	0.3	0.5	-0.2	0.3	-0.1	0.1	-0.6	-0.1
2001	-0.1 <sub>[-0.3]</sub>	-0.1 <sub>[-0.1]</sub>	-0.2 <sub>[-0.1]</sub>	-0.1 <sub>[-0.1]</sub>	0.4 <sub>[0.1]</sub>	-0.2 <sub>[0.4]</sub>	0.3 <sub>[0.2]</sub>	-0.3 <sub>[0.2]</sub>	-0.6 <sub>[0.1]</sub>	-0.2 <sub>[-0.0]</sub>	-0.6 <sub>[-0.0]</sub>	-0.7 <sub>[-0.3]</sub>	-0.2 <sub>[0.01]</sub>
2002	0.0	0.5	0.8	0.3	0.7	0.6	-0.3	0.4	1.1	0.6	0.4	0.6	0.5
2003	0.7	0.0	-0.0	0.2	-0.7	-0.5	-0.4	0.3	0.3	-0.7	0.1	0.1	-0.1
2004	0.1	0.0	0.1	-0.3	-0.5	0.0	-1.0	-0.8	-0.0	-0.2	-0.2	-0.0	-0.2
2005	0.5	-0.2	-0.3	0.0	0.2	0.2	-0.0	0.2	-0.1	0.5	0.1	0.3	0.1
2006	0.2	0.0	0.0	0.0	-0.8	-0.0	-0.5	-0.3	-0.3	0.1	-0.1	-0.7	-0.2
2007	0.4	-0.1	0.1	-0.1	-0.2	0.3	0.4	-0.3	-1.0	-0.4	0.1	-0.1	-0.1
2008	-0.2	-0.3	-0.3	0.4	0.1	-0.6	-0.1	-0.5	0.0	-0.6	-0.3	-0.5	-0.3
2009	-0.1	-0.7	0.4	-0.6	0.1	-0.1	0.8	-0.1	-0.8	-0.3	0.6	-0.1	-0.1
2010	0.5	0.4	0.2	-0.5	-0.9	-0.6	-0.9	-0.7	0.4	0.0	-0.5	-0.1	-0.2
2011	-0.4 <sub>[0.2]</sub>	-0.4 <sub>[-0.1]</sub>	0.2 <sub>[0.1]</sub>	-0.1 <sub>[-0.1]</sub>	-0.1 <sub>[-0.2]</sub>	0.2 <sub>[-0.1]</sub>	0.8 <sub>[-0.1]</sub>	0.5 <sub>[-0.1]</sub>	0.6 <sub>[0.0]</sub>	-0.3 <sub>[-0.1]</sub>	-0.2 <sub>[-0.0]</sub>	-0.3 <sub>[-0.1]</sub>	0.0 <sub>[-0.05]</sub>
2012	-0.5	-0.1	0.3	-0.2	-0.1	-0.4	-0.9	-0.2	-0.2	0.2	0.4	1.1	-0.0
2013	1.2	0.0	-0.3	0.1	-0.5	-0.8	-1.0	-0.0	0.2	-0.1	-0.7	0.7	-0.1
2014	0.1	-0.3	-0.1	-0.1	0.4	-0.9	0.1	0.1	0.1	0.1	-0.2	-0.5	-0.1
2015	-0.1	0.0	0.1	-0.4	0.5	-0.9	-1.0	-0.3	-0.6	-0.6	-0.7	0.2	-0.3
2016	-0.3	-0.4	-0.4	0.3	0.8	-0.7	0.5	0.1	0.1	1.1	1.0	0.5	0.2
2017	0.7	0.3	0.0	0.0	0.5	-0.8	-0.6	-0.2	-0.5	0.8	0.3	0.1	0.0
2018	-0.2	0.3	0.1	0.6	-0.5	-0.3	0.3	-0.2	-0.4	-0.6	-0.2	-0.7	-0.2
2019	0.0	0.4	0.1	0.3	-0.1	0.4	0.2	0.4	0.2	0.6	1.1	1.2	0.4
2020	0.7	0.9	0.0	0.6	0.3	-0.1	0.4	-0.7	0.2	-0.5	-0.3	0.1	0.1
2021	-0.5 <sub>[0.1]</sub>	0.0 <sub>[0.1]</sub>	0.1 <sub>[-0.0]</sub>	0.1 <sub>[0.1]</sub>	0.3 <sub>[0.1]</sub>	-1.1 <sub>[-0.6]</sub>	-0.2 <sub>[-0.2]</sub>	-0.4 <sub>[-0.1]</sub>	0.1 <sub>[-0.1]</sub>	-0.2 <sub>[0.1]</sub>	-0.8 <sub>[-0.0]</sub>	-0.5 <sub>[0.2]</sub>	-0.3 <sub>[-0.02]</sub>
2022	-0.5	0.2	-0.3	0.2	0.1	0.4	0.1	-0.3	-0.2	-0.2	0.1	-0.1	-0.0

With averages over 10 years

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