

Radcliffe Meteorological Station

Oxford University Centre for the Environment, University of Oxford

Annual Summary of Weather at Oxford for 2019

	January	Difference from long period mean	February	Difference from long period mean	March	Difference from long period mean	April	Difference from long period mean	May	Difference from long period mean	June	Difference from long period mean
Mean air temperature (°C)	3.9	0.1	6.8	2.6	8.5	2.7	9.2	0.8	12.3	0.7	15.4	0.5
Absolute maximum air temperature (°C)	11.9	-0.3	18.8	6.0	17.9	1.5	25.1	5.2	24.2	0.0	33.0	6.3
Lowest maximum air temperature (°C)	3.0	---	2.4	---	9.7	---	---	---	11.7	---	11.7	---
Mean maximum air temperature (°C)	7.2	0.3	11.8	4.3	12.6	2.4	15.0	1.7	18.0	1.2	20.5	0.6
Absolute minimum air temperature (°C)	-5.7	-0.3	-4.7	-0.3	0.6	3.9	-2.0	-0.9	0.5	1.0	7.6	2.3
Mean minimum air temperature (°C)	1.0	-0.5	2.3	0.8	5.1	2.6	4.3	0.1	4.1	-0.1	10.7	0.4
Absolute minimum grass temperature (°C)	-9.9	-0.9	-11.2	-2.8	-4.2	3.1	-6.6	-1.3	-1.8	0.8	3.6	2.0
Mean minimum grass temperature (°C)	-2.1	-1.2	-1.2	-0.2	1.9	2.0	0.9	-0.7	4.1	-0.4	9.0	1.0
Absolute minimum concrete temperature (°C)	-5.9	-0.3	-5.6	-0.5	-0.5	3.7	-2.5	-0.5	-0.1	-1.7	6.4	1.0
Mean minimum concrete temperature (°C)	-0.3	-1.0	0.6	-0.4	4.3	2.0	3.6	-0.6	7.4	0.2	11.2	0.4
Mean soil temperature at 30 cm (°C)	5.1	0.9	5	0.8	8.2	2.2	10.3	1.0	Error	Error	16.6	0.0
Mean soil temperature at 100 cm (°C)	7.3	---	0.0	---	8.1	---	9.9	---	12.5	---	14.8	---
Highest daily rainfall (mm)	6.0	---	6.8	---	7.1	---	8.2	---	10.1	---	24.2	---
Total rainfall (mm)	28.6	-24.4	40.4	-1.0	35.5	-6.0	29.9	-13.6	21.3	-30.3	99.5	46.2
Total bright sunshine (hours)	50.0	-5.3	127.8	56.2	128.3	14.3	164.6	10.8	204.6	12.6	166.0	-31.2
Mean daily bright sunshine (hours)	1.6	---	4.6	---	3.3	---	5.5	---	6.6	---	5.5	---
Mean wind speed (knots)	8	-2.0	7.9	-1.9	12.7	2.9	8.7	-0.6	7.4	-1.1	8.9	0.9
No. of rain days (0.2 mm or more rainfall)	13	3.9	13	-0.7	16	1.9	8	-5.5	8	-5.6	15	3.3
No. of wet days (1.0 mm or more rainfall)	7	---	10	---	8	---	8	---	7	---	11	---
No. of days with minimum temperature less than 0°C	16	5.7	8	-1.6	0	-7.2	5	2.3	0	-0.3	0	0.0
No. of days with ground temperature less than 0°C	21	3.1	15	-1.6	11	-5.1	9	-1.4	2	-1.5	0	-0.3
No. of days with fog at 0900 GMT	0	-3.3	2	-0.9	0	-1.8	0	-0.4	0	-0.1	0	-0.1
No. of days with snow lying at 0900 GMT	2	-1.5	3	-2.9	0	-0.9	0	-0.1	0	0.0	0	0.0

	July	Difference from long period mean	August	Difference from long period mean	September	Difference from long period mean	October	Difference from long period mean	November	Difference from long period mean	December	Difference from long period mean
Mean air temperature (°C)	18.9	2.3	18.3	2.1	15.3	1.6	10.8	0.6	6.6	0.1	6.3	1.7
Absolute maximum air temperature (°C)	36.5	8.3	32.6	5.2	26.2	1.8	19.5	0.1	15.9	0.9	12.6	-0.2
Lowest maximum air temperature (°C)	18.5	---	18.4	---	15.1	---	8.6	---	6.1	---	5.4	---
Mean maximum air temperature (°C)	24.4	2.5	23.9	2.6	20.6	1.9	14.6	0.3	9.5	-0.5	9.4	1.9
Absolute minimum air temperature (°C)	9.1	1.4	9.3	2.1	3.9	0.1	0.2	0.2	-1.7	1.1	-1.8	3.0
Mean minimum air temperature (°C)	13.7	1.4	13.2	1.2	10.4	0.5	7.5	0.6	4.1	0.2	3.6	1.4
Absolute minimum grass temperature (°C)	5.5	1.6	5.7	2.4	-1.2	-1.2	-3.8	0.0	-6.8	-0.4	-6.9	1.3
Mean minimum grass temperature (°C)	11.6	1.6	10.7	1.2	7.4	0.2	5.3	1.3	1.6	0.4	1.2	1.6
Absolute minimum concrete temperature (°C)	8.2	---	4.5	-2.4	Error	Error	Error	Error	Error	Error	Error	Error
Mean minimum concrete temperature (°C)	14.3	---	12.4	0.2	Error	Error	Error	Error	Error	Error	Error	Error
Mean soil temperature at 30 cm (°C)	20	1.6	19.2	1.0	16.6	0.8	12.4	0.5	7.9	-0.1	5.8	0.5
Mean soil temperature at 100 cm (°C)	17.8	---	18.1	---	16.9	---	14.1	---	10.3	---	7.9	---
Highest daily rainfall (mm)	14.7	---	11.9	---	20.9	---	20.9	---	23.9	---	17.2	---
Total rainfall (mm)	42.9	-16.5	46.9	-11.6	77.9	18.6	120.0	54.9	105.6	43.3	88.1	31.7
Total bright sunshine (hours)	221.1	26.6	201.0	21.0	161.2	22.3	79.1	-24.2	49.6	-15.7	72.7	23.0
Mean daily bright sunshine (hours)	7.2	---	6.5	---	5.4	---	2.6	---	1.7	---	2.3	---
Mean wind speed (knots)	6.9	-1.0	9.2	1.4	8.2	0.4	6.4	-2.0	6.1	-2.9	8.7	-1.1
No. of rain days (0.2 mm or more rainfall)	8	-4.5	10	-3.3	11	-1.5	18	2.7	21	5.0	22	4.9
No. of wet days (1.0 mm or more rainfall)	5	---	10	---	8	---	15	---	14	---	17	---
No. of days with minimum temperature less than 0°C	0	0.0	0	0.0	0	0.0	0	-1.4	3	-2.0	5	-3.7
No. of days with ground temperature less than 0°C	0	0.0	0	0.0	1	-0.2	1	-5.3	9	-3.2	11	-5.8
No. of days with fog at 0900 GMT	0	-0.1	0	-0.2	0	-0.7	0	-2.6	0	-3.7	1	-2.9
No. of days with snow lying at 0900 GMT	0	0.0	0	0.0	0	0.0	0	0.0	0	-0.2	0	-1.7

Year	Difference from long period mean
2019	1.3
2018	6.7
2017	---
2016	1.6
2015	1.9
2014	0.5
2013	-0.1
2012	0.5
2011	Error
2010	Error
2009	0.7
2008	---
2007	---
2006	---
2005	---
2004	---
2003	---
2002	---
2001	---
2000	---
1999	---
1998	---
1997	---
1996	---
1995	---
1994	---
1993	---
1992	---
1991	---
1990	---
1989	---
1988	---
1987	---
1986	---
1985	---
1984	---
1983	---
1982	---
1981	---
1980	---
1979	---
1978	---
1977	---
1976	---
1975	---
1974	---
1973	---
1972	---
1971	---
1970	---
1969	---
1968	---
1967	---
1966	---
1965	---
1964	---
1963	---
1962	---
1961	---
1960	---
1959	---
1958	---
1957	---
1956	---
1955	---
1954	---
1953	---
1952	---
1951	---
1950	---
1949	---
1948	---
1947	---
1946	---
1945	---
1944	---
1943	---
1942	---
1941	---
1940	---
1939	---
1938	---
1937	---
1936	---
1935	---
1934	---
1933	---
1932	---
1931	---
1930	---
1929	---
1928	---
1927	---
1926	---
1925	---
1924	---
1923	---
1922	---
1921	---
1920	---
1919	---
1918	---
1917	---
1916	---
1915	---
1914	---
1913	---
1912	---
1911	---
1910	---
1909	---
1908	---
1907	---
1906	---
1905	---
1904	---
1903	---
1902	---
1901	---
1900	---
1899	---
1898	---
1897	---
1896	---
1895	---
1894	---
1893	---
1892	---
1891	---
1890	---
1889	---
1888	---
1887	---
1886	---
1885	---
1884	---
1883	---
1882	---
1881	---
1880	---
1879	---
1878	---
1877	---
1876	---
1875	---
1874	---
1873	---
1872	---
1871	---
1870	---
1869	---
1868	---
1867	---
1866	---
1865	---
1864	---
1863	---
1862	---
1861	---
1860	---
1859	---
1858	---
1857	---
1856	---
1855	---
1854	---
1853	---
1852	---
1851	---
1850	---
1849	---
1848	---
1847	---
1846	---
1845	---
1844	---
1843	---
1842	---
1841	---
1840	---
1839	---
1838	---
1837	---
1836	---
1835	---
1834	---
1833	---
1832	---
1831	---
1830	---
1829	---
1828	---
1827	---
1826	---
1825	---
1824	---
1823	---
1822	---
1821	---
1820	---
1819	---
1818	---
1817	---
1816	---
1815	---
1814	---
1813	---
1812	---
1811	---
1810	---
1809	---
1808	---
1807	---
1806	---
1805	---
1804	---
1803	---
1802	---
1801	---
1800	---
1799	---
1798	---
1797	---
1796	---
1795	---
1794	---
1793	---
1792	---
1791	---
1790	---
1789	---
1788	---
1787	---
1786	---
1785	---
1784	---
1783	---
1782	---
1781	---
1780	---
1779	---
1778	---
1777	---
1776	---
1775	---
1774	---
1773	---
1772	---
1771	---
1770	---
1769	---
1768	---
1767	---
1766	---
1765	---
1764	---
1763	---
1762	---
1761	---
1760	---
1759	---
1758	---
1757	---
1756	---
1755	---
1754	---
1753	---
1752	---
1751	---
1750	---
1749	---
1748	---
1747	---
1746	---
1745	---
1744	---
1743	---
1742	---
1741	---
1740	---
1739	---
1738	---
1737	---
1736	---
1735	---
1734	---
1733	---
1732	---
1731	---
1730	---
1729	---
1728	---
1727	---
1726	---
1725	---
1724	---
1723	---
1722	---
1721	---
1720	---
1719	---
1718	---
1717	---
1716	---
1715	---
1714	---
1713	---
1712	---
1711	---
1710	---
1709	---
1708	---
1707	---
1706	---
1705	---
1704	---
1703	---
1702	---
1701	---
1700	---
1699	---
1698	---
1697	---
1696	---
1695	---
1694	---
1693	---
1692	---
1691	---
1690	---
1689	---
1688	---
1687	---
1686	---
1685	---
1684	---
1683	---
1682	---
1681	---
1680	---
1679	---
1678	---
1677	---
1676	---
1675	---

RMS. 18.8 degC on the 26th of February was the highest recorded February temperature. 33.0 degC on the 29th of June was the 2nd highest recorded June temperature.

rd

roke in September and was replaced in December
data for the 1st to the 17th

!