

Read March 21, 1771.

XXIII. *Meteorological Observations at Ludgvan in Mount's-Bay, Cornwall, 1770:*
 By William Borlase, D. D. F. R. S. *Communicated by Dr. Jeremiah Milles, Dean of Exeter, and F. R. S.*

Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.	Omb.
January	Highest 28 30, 51 } Very high Lowest 7 29, 36	Snow from the 5th to the 9th; 10th, snow all gone. Violent storm on the 11th; nine days calm; rest misty, with fogs, showers, and wind. East and West winds nearly equal, latter rather more; hard frost on the 7th day only.	Med. Highest 2 51 } 43 ¹⁸ / ₃₁ Lowest 7 32 }	Inches. 1.60 31.000
February	Highest 14 30, 39 } Lowest 18 29, 1	Calm 12 days; a violent storm all night the 18th; a slight frost only on the 24th; wind Westerly 21 days.	Highest 14 51 } 44 ² / ₂₈ Lowest 24 36 }	3.300
March	Highest 2 30, 6 } Lowest 10 28, 7, 1	Sleet, deep snow and lying, the 16th, 17th, 18th, 19th, 20th, with hard frost; frost, and hard snowing and windy, 23d, 24th; snow, hail, and frost, 26th, 27th, 28th, 29th. Frost and snow gone the 30th, with hazy mists. Wind mostly from the North and East, being to the West as 19 to 12.	Highest 31 51 ¹ / ₂ } 41 ⁵ / ₃₁ Lowest 21 32 }	4.040
April	Highest 29 30, 31 } Lowest 6 28, 90, equal	Mixture of all weathers, but that of frost and snow we had none. Wind 22 days from the North; rest nearly equal.	Highest 30 54 } 46 Lowest 9 39 }	3.400

May



Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.	Omb.
May	Highest 1 29.98 Lowest 5 28.99	First 7 days windy and stormy showers; in the rest 20 days of calm, mostly fair. Wind 16 days from the East equally mixed with North and South.	Mcd. Highest 28 60 } 52 ¹ / ₃ Lowest 3 40 ¹ / ₂ }	Inches. 3,000
June	Highest 14 30.7 Lowest 19 29.17	Mostly hazy and misty. Fair, windv, rain and cloudy, nearly equal. Wind 26 days from the West, chiefly mixed with the South.	Highest 9 61 } 54 ^{2.9} / ₃ Lowest 20 49 }	3,200
July	Highest 12 30.20 Lowest 18 29.32	Calm 24 days, some hazy and misty, but little or no rain. Wind Welterly 22 days, its mixture mostly with the South.	Highest 13 66 } 58 ⁶ / ₃ Lowest 4 52 }	1,950
August	Highest 4 30.10 Lowest 20 29.62	18 calm days; rest misty, hazy, or fair. On the 6th at 8 P. M. much lightning; violent about a quarter past 9, with very rapid flashes, and loud thunder, till two A. M. when it began to rain with a violent flood for a quarter of an hour; afterwards, much rain, but no more thunder or lightning. Wednesday the 8th, close calm morning; about five A. M. thunder, with much lightning; about six rained violently, at nine cleared off, and a fair day. Thursday morning the 9th, 2 A. M. lightning and thunder, but not so violent; wind Easterly; wind East and West nearly equal, with North and South nearly equal.	Highest 6 71 } 60 ¹ / ₃ Lowest 31 55 }	1,850
September	Highest 28 30.10 Lowest 26 28.84	Weather mostly variable, and of all kinds. On the 18th hazy and calm, A. M.; P. M. a storm and hard rain; on the 25th and 26th a continued storm to the 27th; the 28th calm with mists; wind twenty-five days South, with a greater mixture of the West.	Highest 6 63 } 58 ¹ / ₂ Lowest 22 53 }	2,840

Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.	Ombr.
October	Highest 7 30,24 Lowest 22 28,69	First eleven days calm and mild; next twelve days violent rains and windy; next eight days showery, and rains. Wind twenty-five days Westerly, with eighteen days mixture of the North; rest equal.	Med. Highest 1 60 } Lowest 22 43 } 20 50 31	6,550 at leaf, the receiver being brim-full when looked to: whether over-flowed uncertain.
November	Highest 4 29,94 Lowest 8 28 44 Very low here.	Rain twenty-two days; rest stormy, windy, and cloudy. Wind Westerly twenty-six days; mixed mostly with the South. An extraordinary fall of rain this month; on the 25th a storm all night.	Highest 3 53 } Lowest 20 37 } 1 47 36	7,250
December	Highest 1 30,0 Lowest 23 29,20	26 days rain and showers; much stormy weather. On the 18th in the evening, began a violent storm from West, and W. S. W.; the extreme was at eleven P. M. Wind twenty-six days blew from the West; mostly mixed with the South.	Highest 15 52 } Lowest 25 37 } 30 45 31	4,100

Total Rain this Year 1770, at least 44,100⁶⁴°