



## Monthly Weather Summary

February 2025

**Drier and warmer than average – nothing at all wintry and no issue with frosts**

### General and Barometric Pressure

Apart from a wet spell during the 19<sup>th</sup> to 23<sup>rd</sup> the month was fairly benign, but whilst there was the occasional lovely day, cloudy conditions prevailed.

The first half of the month was typified by a blocking high pressure system to the east of the UK, which gave those overcast but settled conditions and whilst it was cool, it was never cold, the cloudy skies not allowing night-time minima to fall sharply away.

It was a quiet but cloudy start to the month, which after a wet night and morning on the 4<sup>th</sup> quietened back down.

The 5<sup>th</sup> saw some sunshine, but then the 6<sup>th</sup> was a gloriously sunny and cloudless day. Up to this point temperatures had veered slightly above average, but with the cloudless skies the 6<sup>th</sup> saw the coldest night of the month at -3.1°C – but then with that sunshine, a maximum of 9.9°C was more than reasonable.

From the 7<sup>th</sup> the winds came from the E-SE and had a coolish edge about them, but it was day-time maxima that became more subdued as the theme of the days became overcast and with the occasional bouts of drizzle.

The period of cool day-time maxima lasted through to the 18<sup>th</sup>, the 17<sup>th</sup> having been a cold and cloudy day with a lowest monthly maximum of 3.7°C, and now cool would be replaced with unsettled.

Temperatures would rise noticeably, both by day and night as the UK transitioned into a S-SSW'ly flow from off the Atlantic, but rain would be common.

Falls of just over 11 mm for both the 19-20<sup>th</sup>, with another wet day following on the 21<sup>st</sup>, but which saw both the month's highest maximum and highest minimum temperature.

The month's wettest day, 32.4 mm would follow on the 23<sup>rd</sup> and which was also quite windy as a deep area of low pressure in the Atlantic moved NE over the UK.

It then began to settle as high pressure ridging north from the Azores took charge for the final two days of the month and with came a couple of overnight frosts, but two fine sunny days.

2.3°C.

Mean air pressure would finish well above average, by 8.3 Morland Bank, principally due to the settled conditions found in the first half of the month and which more than off-set the unsettled period after mid month. Pressure rose to a month's high of 1045.8 Morland Bank on the 6<sup>th</sup> (which brought the month's coldest night).

## Temperature

With a mean minimum of 1.84°C and a mean maximum of 7.46°C February 2025 saw the temperature finish 0.53°C above the sixteen year average for this site.

This saw it being the coldest February since 2021 and since the record commenced (2009), seven have been warmer and nine have been colder.

The highest maximum during the month was 13.3°C (55.9°F – 21<sup>st</sup>) and the lowest minimum, -3.1°C (26.4°F - 6<sup>th</sup>).

## Precipitation

At Maulds Meaburn rainfall totalled 90.0 mm (3.54 In), this being 82.6% of the average for 2008-24, making it the wettest February since 2022.

Since the record began (2008), ten have been drier and seven wetter.

Locally rainfall at Maulds Meaburn North was 90.6 mm and at Castlehowe Scar 135.6 mm (71.7%).

Figures from a selection of Environment Agency's rainfall sites were, (figure in brackets being the monthly average for 1991-2020) *'Data kindly provided by the Hydrometry and Telemetry team of the Environment Agency:*

At **Appleby in Westmorland** rainfall of 60.8 mm (LTA of 67.7 mm) represents 89.8% of its average (1857-2023) and made it the wettest since 2022.

Since the record commenced, 84 have been drier and 84 have been wetter.

**Kirkby Thore** 39.8 mm -- (60.7 mm)

**Haresceugh Castle** (Kirkoswald) 39.08 mm -- (76.0 mm)

**Brothers Water** 213.77 mm -- (270.4 mm)

**Seathwaite Farm** (Borrowdale) 256.8 mm -- (292.0 mm [average for 1845-2024]) represents 87.9% of its average, making it the driest since 2023.

Since the record commenced, 82 have been drier, 97 have been wetter and one was the same.

## OTHER:-

During the month the following *'days of'* were recorded:

Snow fell on five days -- there were no days of lying snow.

Hail was recorded on one day.

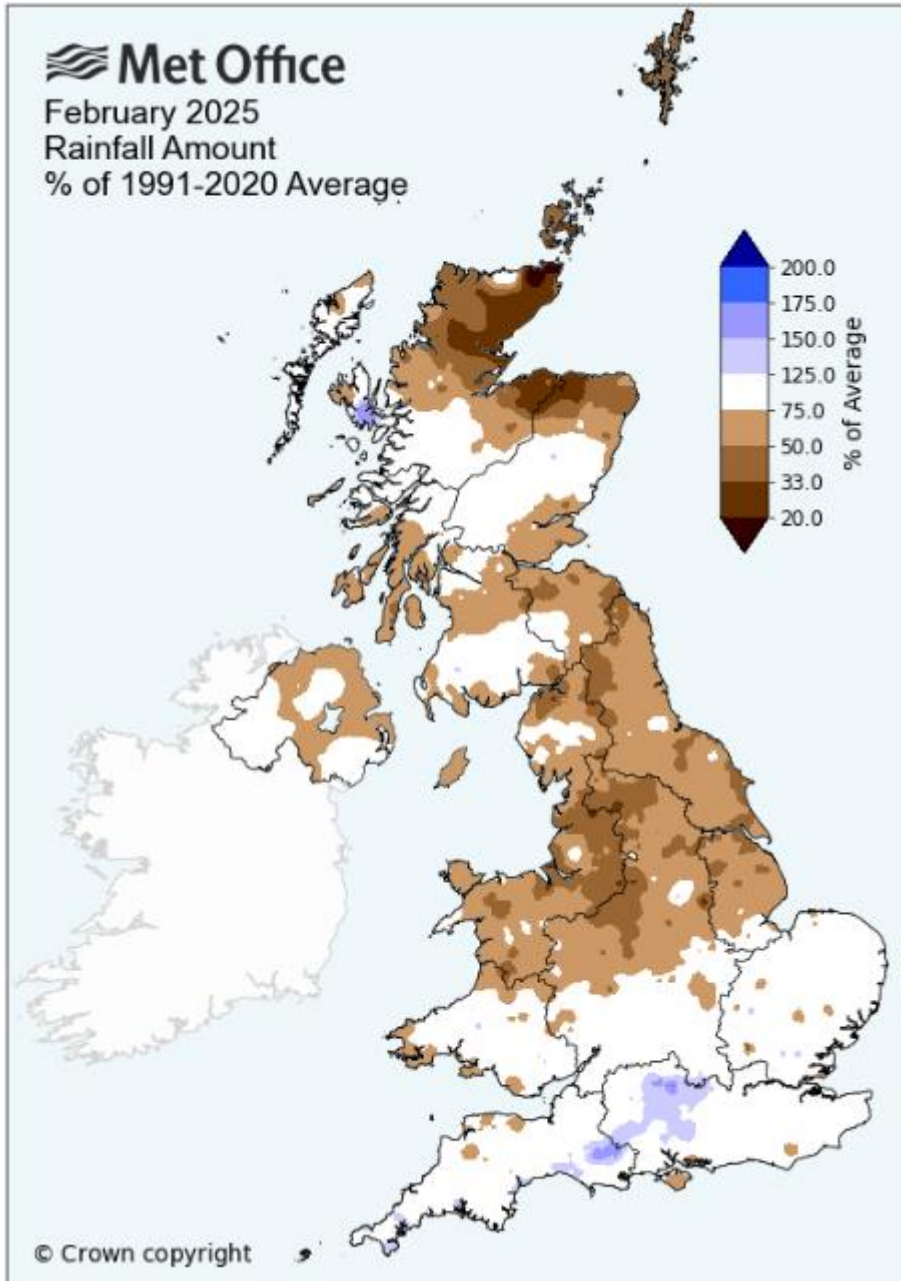
The wind speed averaged 6.21 mph, with a maximum gust of 46 Mph (21<sup>st</sup>).

We had 8 Air Frosts in the month (year 22) -- Grass Frosts totalled 18 (year 42).

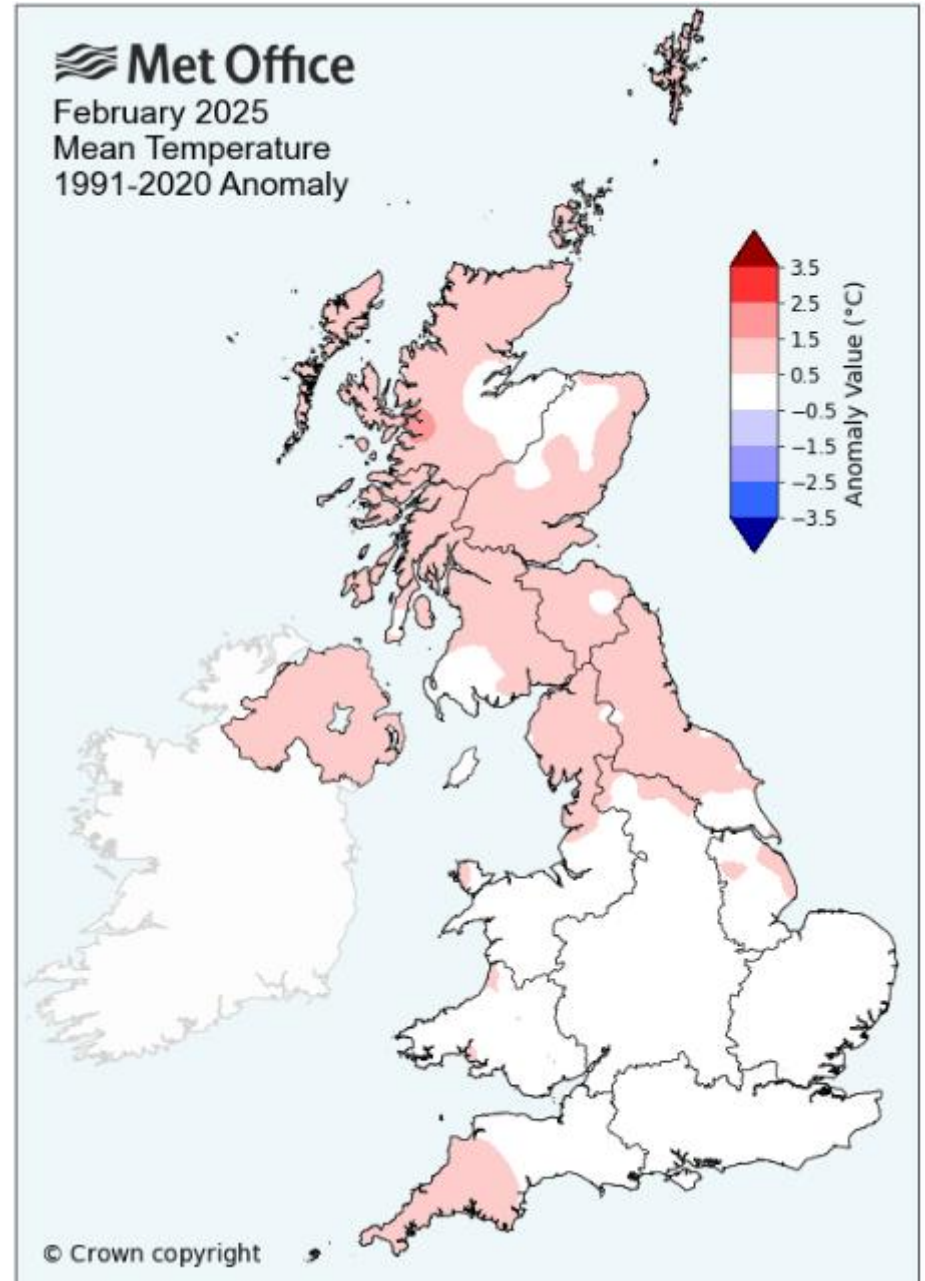
One foot soil temp ranged from a low of 3.6°C on the 8<sup>th</sup> to a high of 6.7°C on the 24<sup>th</sup> with a mean of 4.9°C

One meter soil temp ranged from a low of 6.0°C (multiple days) to a high of 6.8°C on the 27<sup>th</sup> with a mean of 6.2°C

February's Rainfall Anomaly



February's Temp' Anomaly



## WINTER 2024-25

Winter 2024-25 has been cold at times, but has failed to provide anything wintry.

Whilst not that rare, we did have the slight blessing of all three months being drier than average, January especially.

December was very mild with and it was this warmth that effectively saw the season finish warmer than average.

December was fairly dry for most of the time, but then threw in four quite wet days to take the final total closer to its average.

And in spite of the occasional named storm, overall, the season as been relatively kind

Here at Maulds Meaburn rainfall totalled 286.4 mm (Maulds Meaburn North 293.2 mm -- Castlehowe Scar 424.0 mm) and is the driest since 2019.

This makes it the fourth driest (of 18) in my records and is 69.7% of the average rainfall for those previous seventeen winters.

A mean temperature of 4.32°C is the coldest since 2022-23 and since the record began, seven have been warmer and eight colder.

It was 0.50°C warmer than the average of those previous fifteen winters.

At Appleby In Westmorland rainfall totalled 198.0 mm (76.6%) making it the driest since 2019 and since the record commenced, 44 have been drier and 124 wetter.

At Seathwaite (1054.2 mm – 99.5%) is the driest since 2019, with 97 having been drier and 82 wetter.

