

STITHIANS WEATHER SUMMARY

FEBRUARY 2025

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| HIGHEST MAXIMUM TEMPERATURE | 12.9C (20TH) |
| HIGHEST MINIMUM TEMPERATURE | 11.4C (21ST) |
| LOWEST MAXIMUM TEMPERATURE | 05.0C (10TH) |
| LOWEST MINIMUM TEMPERATURE | -02.7C (28TH) |
| MEAN MAXIMUM TEMPERATURE | 09.3C (10YR) 09.2C (37YR) 08.7C |
| MEAN MINIMUM TEMPERATURE | 04.6C (10YR) 04.1C (37YR) 03.6C |
| MEAN TEMPERATURE FOR MONTH | 06.9C (10YR) 06.6C (37YR) 06.1C |
| MAX DAILY TEMPERATURE RANGE | 12.1C (28TH) |
| MEAN DAILY TEMPERATURE RANGE | 04.7C |
| TOTAL RAINFALL FOR THE MONTH | 172.4 MM |
| TOTAL RAINFALL (10 YRS RUNNING MEAN) | 157.0 MM |
| TOTAL RAINFALL (37 YRS LONG TERM AV) | 120.3 MM |
| MAXIMUM RAINFALL IN 24 HOURS | 45.1 MM (23RD) |
| RAIN DAYS (0.2MM OR MORE) | 18 |
| WET DAYS (1.0MM OR MORE) | 15 |
| DAYS WITH RAIN INCLUDED | 21 |
| DAYS WITH HAIL | 00 |
| DAYS WITH THUNDER | 00 |
| DAYS WITH SLEET OR SNOW | SLT 00 / SNW 00 |
| AIR FROSTS (-00.1C OR BELOW) | 04 |

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| MAXIMUM ATMOSPHERIC PRESSURE | 1041.0 MB (05TH) |
| MINIMUM ATMOSPHERIC PRESSURE | 999.0 MB (21ST) |
| MEAN ATMOSPHERIC PRESSURE | 1017.9 MB (37YR MEAN) 1016.1 MB |
| MEAN SW SEA TEMP | |
| JANUARY 1986-2024 AV) | 09.7C |
| 10YR RUNNING MEAN SW SEA TEMP | 10.2C |
| MEAN SW SEA TEMP JANUARY 2025: | 10.2C |

NOTES

SYNOPTIC SITUATION: ON THE 1ST A SOUTHERLY AIRSTREAM COVERED THE UK AND IRELAND AS A HIGH (1033MB) PERSISTED OVER DENMARK.

THE 2ND SAW A WEAK, WAVING COLD FRONT CLEAR OVERNIGHT.

ON THE 3RD A MOIST SW AIRSTREAM CONTINUED.

THE 4TH SAW A COLD FRONT CLEARING EASTWARDS IN THE EARLY AFTERNOON.

ON THE 5TH A HIGH (1040MB) FORMED OVER THE ISLE OF WIGHT WHICH EXTENDED A RIDGE TO SWAPPS AND GERMANY.

THERE WAS LITTLE CHANGE ON THE 6TH AS THE HIGH (1047MB) MOVED INTO THE MID NORTH SEA.

ON THE 7TH PRESSURE FELL AS THE HIGH (1054MB) MOVED TO SE FINLAND AND A WEAKENING RIDGE PERSISTED OVER SCOTLAND AND IRELAND.

THE 8TH SAW A LOW (1015MB) PUSH A FRONTAL SYSTEM INTO SE ENGLAND WHILE A HIGH (1053MB) OVER S FINLAND EXTENDED A RIDGE TO AND OVER NORTHERN ENGLAND, SCOTLAND AND IRELAND.

ON THE 9TH A WEAK OCCLUSION CLEARED WESTWARDS, AS A NE TO E AIRSTREAM CONTINUED.

ON THE 10TH A WEAKENING RIDGE (FROM A HIGH 1047MB SW NORWAY) CONTINUED TO COVER THE UK AND IRELAND.

THE 11TH SAW A SLACK LOW PRESSURE AREA AND THE 12TH SAW LITTLE CHANGE.

ON THE 3TH THERE WAS A WEAK RIDGE (FROM A HIGH 1048MB NE GREENLAND) THAT COVERED THE UK AND IRELAND BEFORE A FRONTAL SYSTEM ARRIVED LATER.

THE 14TH SAW A FRONTAL SYSTEM PERSISTING ALL DAY.

ON THE 15TH A WEAK COLD FRONT CLEARED WESTWARDS BY AROUND MIDDAY AS A HIGH (1026MB) PERSISTED OVER GERMANY.

THE 16TH SAW A SOUTHEASTERLY AIRSTREAM AND THE 17TH SAW LITTLE CHANGE.

ON THE 18TH A WEAK WARM FRONT MOVED AWAY NORTHEASTWARDS DURING THE MORNING AS THE SE AIRSTREAM CONTINUED.

THE 19TH SAW A COLD FRONT CLEARING EASTWARDS DURING THE EARLY HOURS.

ON THE 20TH AN ACTIVE FRONTAL SYSTEM MOVED UP FROM THE SW WITH THE COLD FRONT CLEARING SOUTHEASTWARDS DURING THE EVENING.

THE 21ST SAW A NEW WARM FRONT AND WARM SECTOR MOVE UP FROM THE SOUTHWEST BEFORE THE COLD FRONT CLEARED IN THE AFTERNOON.

ON THE 22ND THERE WAS A WEAK RIDGE OF HIGH PRESSURE BEFORE A NEW ACTIVE FRONTAL SYSTEM ARRIVED FROM THE SOUTHWEST ON 23RD.

THIS PERSISTED FOR THE REST OF THE DAY AND EVENING BEFORE THE COLD FRONT CLEARED OVERNIGHT.

ON THE 24TH A SW AIRSTREAM ARRIVED AS THE LOW 952MB MID ATLANTIC MOVED NE TO ICELAND AND FILLED TO 963MB.

ON THE 25TH A SHOWERY WESTERLY AIRSTREAM PREVAILED.

THE 26TH SAW A VERY WEAK RIDGE AS THE AIRSTREAM VEERED NORTHWESTERLY.

ON THE 27TH A HIGH (1033MB) AZORES EXTENDED A RIDGE TO AND OVER SWAPPS, IRELAND AND UK AND TO S.W OF ICELAND.

ON THE 28TH A HIGH (1030MB) DOMINATED THE WEATHER OVER THE UK AND IRELAND.

THE MAIN ATLANTIC JET STREAM WAS MOSTLY TO THE NW OF THE UK UP UNTIL THE 11TH, THEREAFTER BEING MOSTLY TO THE WEST OR SOUTHWEST.

FEBRUARY WAS WETTER THAN NORMAL AND IT WAS ALSO WARMER WITH ALL MEAN TEMPERATURES BEING A LITTLE ABOVE NORMAL.

IT WAS ANOTHER UNSETTLED MONTH WITH ONLY A LIGHT SCATTERING OF DRY DAYS.

SOME DAYS SAW HEAVY RAIN AT TIMES WITH THE 23RD SEEING THE MAXIMUM 24HR FALL OF 45.1MM. OTHER DAYS SAW 22.5MM ON THE 13TH, 24.1MM ON THE 14TH, 20.4MM ON THE 19TH, 15.3MM ON THE 20TH AND 11.0MM ON 25TH. MANY CORNISH RIVERS WERE ALMOST BURSTING THEIR BANKS ON THE 24TH.

THE MAXIMUM (MEASURED) WIND GUST FOR THE MONTH WAS 21KT (24 MPH) ON THE 21ST.

THE PREDOMINANT WIND DIRECTION WAS SOUTHEASTERLY.

THE WINTER AS A WHOLE WAS THE COOLEST SINCE 2022 AND IT WAS DRIER THAN IN 2023, BUT WETTER THAN IN 2022.

PLEASE NOTE THAT WE HAVE A VERY INFORMATIVE AND MUCH MORE DETAILED WEBSITE WHICH CAN BE FOUND AT: stithiansweather.co.uk THIS NOW INCLUDES A DIRECT LINK FOR OUR STITHIANS WEATHER STATION LIVE WEATHER DATA FEED (VIA WUNDERGROUND).

ALL READINGS TAKEN BY PAUL RICHARDS AT 40 CRELLow FIELDS, STITHIANS. MAIN OBSERVATIONS ARE CARRIED OUT AT 0900 GMT AND 2100 GMT DAILY THROUGHOUT THE YEAR. WE ARE A METEOROLOGICAL

OFFICE REGISTERED RAINFALL STATION (379547) THROUGH THE ENVIRONMENT AGENCY IN BODMIN. (DAILY RAINFALL DATA IS RETURNED ON A MONTHLY BASIS). THE STATION HEIGHT IS 120M (396FT) ABOVE MSL. WE ALSO SUPPLY MONTHLY DATA TO THE WEATHER OBSERVERS NETWORK IN COLCHESTER, ESSEX AND WEEKLY DATA I PASSED TO THE WEATHERNET ORGANISATION IN BOURNEMOUTH. A LIVE WEATHER DATA FEED FROM OUR STITHIANS WEATHER STATION IS NOW ALSO SENT TO: www.wunderground.com