

# STITHIANS WEATHER SUMMARY

## JANUARY 2025

|                                      |                                    |
|--------------------------------------|------------------------------------|
| HIGHEST MAXIMUM TEMPERATURE          | 12.7C (05TH)                       |
| HIGHEST MINIMUM TEMPERATURE          | 10.3C (01ST)                       |
| LOWEST MAXIMUM TEMPERATURE           | 03.9C (03RD & 08TH)                |
| LOWEST MINIMUM TEMPERATURE           | -05.0C (03RD)                      |
| MEAN MAXIMUM TEMPERATURE             | 08.5C (10YR) 08.6C (37YR)<br>08.3C |
| MEAN MINIMUM TEMPERATURE             | 03.0C (10YR) 03.9C (37YR)<br>03.7C |
| MEAN TEMPERATURE FOR MONTH           | 05.7C (10YR) 06.2C (37YR)<br>06.0C |
| MAX DAILY TEMPERATURE RANGE          | 10.3C (15TH)                       |
| MEAN DAILY TEMPERATURE RANGE         | 05.5C                              |
| TOTAL RAINFALL FOR THE MONTH         | 211.3 MM                           |
| TOTAL RAINFALL (10 YRS RUNNING MEAN) | 173.5 MM                           |
| TOTAL RAINFALL (37 YRS LONG TERM AV) | 149.3 MM                           |
| MAXIMUM RAINFALL IN 24 HOURS         | 49.0 MM (04TH)                     |
| RAIN DAYS (0.2MM OR MORE)            | 20                                 |
| WET DAYS (1.0MM OR MORE)             | 18                                 |
| DAYS WITH RAIN INCLUDED              | 25                                 |
| DAYS WITH HAIL                       | 03                                 |
| DAYS WITH THUNDER                    | 01                                 |
| DAYS WITH SLEET OR SNOW              | SLT 01 / SNW 00                    |
| AIR FROSTS (-00.1C OR BELOW)         | 07                                 |

|                                |                                    |
|--------------------------------|------------------------------------|
| MAXIMUM ATMOSPHERIC PRESSURE   | 1037.0 MB (12TH)                   |
| MINIMUM ATMOSPHERIC PRESSURE   | 973.0 MB (05TH & 27TH)             |
| MEAN ATMOSPHERIC PRESSURE      | 1011.4 MB (37YR MEAN)<br>1016.4 MB |
| MEAN SW SEA TEMP               |                                    |
| JANUARY 1986-2024 AV)          | 10.4C                              |
| 10YR RUNNING MEAN SW SEA TEMP  | 10.8C                              |
| MEAN SW SEA TEMP JANUARY 2025: | 11.2C                              |

### NOTES

SYNOPTIC SITUATION: ON THE 1ST A COLD FRONT MOVED SE AND CLEARED DURING THE EVENING.

ON THE 2ND A HIGH (1038MB) AT 56N/32W EXTENDED A RIDGE TO AND OVER UK AND IRELAND.

ON THE 3RD THE HIGH (1030MB) IN THE MID ATLANTIC AND THE RIDGE PERSISTED.

ON THE 4TH AN ACTIVE OCCLUSION AND WARM FRONT MOVED UP FROM THE SW.

THE 5TH SAW A LOW (981MB) TO THE SW AS A WARM SECTOR PERSISTED.

ON THE 6TH THE LOW MOVED ACROSS WALES AND NORTHERN ENGLAND INTO THE NORTH SEA AS A COLDER NW AIRSTREAM ARRIVED. THIS CONTINUED ON 7TH.

THE 8TH SAW A LOW (987MB) 48N/15W PUSH A WARM FRONT UP FROM THE SW AND SOUTH. THIS CLEARED OVERNIGHT LEAVING A WEAK RIDGE FOR THE 9TH.

THE 10TH SAW TWO OCCLUSIONS EDGE UP FROM THE SOUTHWEST WHICH PERSISTED ON THE 11TH AS PRESSURE ROSE STEADILY.

ON THE 12TH A HIGH (1041MB) FORMED OVER EASTERN BRITTANY BEFORE MOVING TO WEST GERMANY (1045MB) ON 13TH AS A RIDGE OVER SOUTH AND SOUTHWEST ENGLAND CONTINUED.

ON THE 14TH THE HIGH (1037MB) MOVED TO WESTERN BRITTANY AS A RIDGE TO AND OVER THE UK CONTINUED.

THERE WAS LITTLE CHANGE ON THE 15TH BEFORE THE HIGH (1040MB) RETREATED TO THE BALKANS WHILE MAINTAINING A RIDGE TO AND OVER FRANCE AND ENGLAND.

THERE WAS LITTLE CHANGE ON THE 17TH AND 18TH.

ON THE 19TH PRESSURE FELL STEADILY AS A LOW (1011MB) FORMED AT 47N/10W.

THERE WAS LITTLE CHANGE ON THE 20TH AND 21ST AS PRESSURE CONTINUED TO DECLINE.

ON THE 22ND A SHOWER TROUGH MOVED INTO WEST CORNWALL AS A SLACK LOW PRESSURE AREA PERSISTED.

THE 23RD SAW AN OCCLUSION AND A SHOWER TROUGH CLEAR LATE MORNING. STORM 'EOWYN' WAS 968MB AT 49N/26W AT 1200 GMT. AT 1800 GMT IT WAS 949MB AT 51N/20W AND AT 0000 GMT IT WAS 941MB AT 52N/15W.

ON THE 24TH STORM 'EOWYN' WAS 941MB AT 55N/09W AT 0600 GMT. AT 1200 GMT AND 1800 GMT IT WAS 947MB OVER THE HIGHLANDS OF SCOTLAND.

THE 25TH SAW A SLACK LOW PRESSURE AREA. THE 25TH ALSO SAW A NEW LOW, STORM 'HERMINIA' AT 49N/22.5W. AT 0600 GMT, at 1200 GMT 954MB AT 52N/13W, AT 1800 GMT 952MB AT 52N/15W AND AT 0000 GMT 952MB AT 52.5N/15W.

ON THE 27TH THE LOW (957MB) PERSISTED TO THE WEST OF IRELAND AS A STRONG SW AIRSTREAM CONTINUED.

BY THE 28TH THE LOW (972MB) HAD MOVED TO NORTH WALES AS A WRAPPED AROUND OCCLUSION CIRCULATED AROUND IT.

THE 29TH SAW A LOW (986MB) MOVE NE TO BECOME LOW (986MB) JUST WEST OF BRITTANY AT 1200 GMT BEFORE MOVING AWAY SOUTHEASTWARDS LATER.

ON THE 30TH A HIGH (1040MB) EAST OF THE AZORES EXTENDED A RIDGE TO AND OVER THE UK AND IRELAND. THERE WAS ALSO A LOW (1011MB) OVER BARCELONA.

ON THE 31ST THE RIDGE PERSISTED AS A WEAK OCCLUSION CLEARED EARLY IN THE DAY.

THE MAIN ATLANTIC JET STREAM VARIED IT'S POSITION THROUGHOUT THE MONTH. IT WAS OVER, OR CLOSE TO THE UK DURING THE FIRST 10 DAYS, THEN UP TO AND INCLUDING THE 19TH, IT TRANSFERRED TO THE NORTHWEST OF THE UK. IT GRADUALLY MOVED DOWN OVER THE UK AND TOOK UP A POSITION TO THE SOUTHWEST BY THE 31ST OF THE MONTH.

JANUARY WAS ANOTHER CHANGEABLE MONTH. WITH RAIN BEING RECORDED ON ALMOST ALL OF THE DAYS IT WAS THE WETTEST JANUARY SINCE 2023.

MEAN TEMPERATURES WERE SLIGHTLY BELOW NORMAL AND THE MEAN TEMPERATURE WAS THE LOWEST IN JANUARY SINCE 2023. THERE WAS AGAIN LITTLE IN THE WAY OF SUNSHINE WITH MANY OF THE DAYS BEING CLOUDY OR OVERCAST.

TWO NAMED STORMS OCCURRED, FIRST STORM 'EOWYN' ON THE 24TH AND STORM 'HERMINIA' ON THE 26TH.

HEAVIER FALLS OF RAIN OCCURRED ON THE 1ST (16.7MM), THE 4TH (49.0MM), THE 5TH (21.2MM), THE 6TH (13.4MM), THE 8TH (15.1MM), THE 23RD (21.1MM) AND THE 26TH (14.8MM).

HAIL WAS RECORDED ON THE 6TH (1416 AND 1716 GMT), THE 7TH (1435 GMT) AND THE 27TH (0345 GMT). RAIN AND SLEET OCCURRED ON THE 8TH AND THUNDER WAS RECORDED AT 0345 GMT ON THE 27TH.

THE MAXIMUM (MEASURED) WIND GUST FOR THE MONTH WAS 29KT (33 MPH) AT 0914 GMT ON THE 26<sup>TH</sup>.

THE PREDOMINANT WIND DIRECTION (AT 0900 GMT) WAS EQUALLY DIVIDED BETWEEN SOUTHEASTERLY AND CALM.

PLEASE NOTE THAT WE HAVE A VERY INFORMATIVE AND MUCH MORE DETAILED WEBSITE WHICH CAN BE FOUND AT: [stithiansweather.co.uk](http://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 CRELOW 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](http://www.wunderground.com)