

# STITHIANS WEATHER SUMMARY

## DECEMBER 2024

HIGHEST MAXIMUM TEMPERATURE	13.2C (01ST, 05TH & 06TH)
HIGHEST MINIMUM TEMPERATURE	11.5C (05TH)
LOWEST MAXIMUM TEMPERATURE	07.0C (11TH)
LOWEST MINIMUM TEMPERATURE	00.7C (03RD)
MEAN MAXIMUM TEMPERATURE	10.1C (10YR) 09.9C (36YR) 08.8C
MEAN MINIMUM TEMPERATURE	07.0C (10YR) 05.8C (36YR) 04.6C
MEAN TEMPERATURE FOR MONTH	08.5C (10YR) 07.8C (36YR) 06.7C
MAX DAILY TEMPERATURE RANGE	09.1C (04TH)
MEAN DAILY TEMPERATURE RANGE	03.1C
TOTAL RAINFALL FOR THE MONTH	100.5 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	195.9 MM
TOTAL RAINFALL (36 YRS LONG TERM AV)	175.9 MM
MAXIMUM RAINFALL IN 24 HOURS	21.8 MM (04TH)
RAIN DAYS (0.2MM OR MORE)	27
WET DAYS (1.0MM OR MORE)	17
DAYS WITH RAIN INCLUDED	26
DAYS WITH HAIL	01
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00

MAXIMUM ATMOSPHERIC PRESSURE	1033.0 MB (09TH & 15TH)
MINIMUM ATMOSPHERIC PRESSURE	998.0 MB (18TH)
MEAN ATMOSPHERIC PRESSURE	1023.6 MB (37YR MEAN) 1015.3 MB
MEAN SW SEA TEMP	
DECEMBER 1986-2023 AV)	11.5C
10YR RUNNING MEAN SW SEA TEMP	11.8C
MEAN SW SEA TEMP DECEMBER 2024:	12.2C

### NOTES

SYNOPTIC SITUATION: ON THE 1ST AN OCCLUSION CLEARED DURING THE MORNING AS A VERY MILD SW AIRSTREAM CONTINUED AND A LOW (982MB) AT 65N/00W PERSISTED.

ON THE 2ND, A LIGHTLY SHOWERY NW AIRSTREAM COVERED THE UK AND IRELAND.

THE 3RD SAW A WEAK RIDGE OF HIGH PRESSURE.

ON THE 4TH A FRONTAL SYSTEM MOVED UP FROM THE SW BEING FOLLOWED BY A WARM SECTOR FOR THE 5TH.

ON THE 6TH THE RIDGE COLLAPSED AS A LOW (990MB) AT 0600 GMT (STORM 'DARRAGH') AT 52N/21W STRENGTHENED AND BY 1200 GMT IT WAS 985MB AT 54N/15W WHILE A FRONTAL SYSTEM ARRIVED FROM THE SOUTHWEST. AT 1800 GMT IT WAS 982MB AT 54N/11W.

ON THE 7TH THE LOW (979MB), (STORM 'DARRAGH') WAS OVER CUMBRIA AS SEVERE GALES CIRCULATED AROUND IT (AND A HIGH (1041MB) STRETCHED A RIDGE TO ICELAND) AT 0600 GMT AND AT 1200 GMT IT WAS 982MB OVER NORTH NORFOLK AND AT 1800 GMT IT WAS 985MB OVER THE NORTHERN NETHERLANDS.

ON THE 8TH THE LOW (1003MB) (EX STORM 'DARRAGH') MOVED OFF INTO CENTRAL FRANCE AS A STRONG NW AIRSTREAM CONTINUED.

ON THE 9TH A HIGH (1044MB) WESTERN SCOTLAND BROUGHT A NE AIRSTREAM.

THERE WAS LITTLE CHANGE ON 10TH AND 11TH.

ON THE 2TH THE HIGH (1034MB) NE ENGLAND WEAKENED AS A WEAK OCCLUSION OVER WEST CORNWALL MOVED AWAY.

ON THE 13TH A RIDGE PERSISTED WHICH CONTINUED ON THE 14TH.

BY THE 15TH A BROAD WARM SECTOR COVERED THE UK AND IRELAND WHILE A HIGH (1042MB) WEST OF MADRID PERSISTED.

THERE WAS LITTLE CHANGE ON THE 16TH.

THE 17TH SAW A FRONTAL SYSTEM MOVE UP FROM THE SOUTHWEST AS A LOW (987MB) WEST OF IRELAND DEEPENED AND MOVED NE.

ON THE 18TH AN ACTIVE FRONTAL SYSTEM MOVED UP FROM THE SW AS A LOW (1003MB) AT 50N/11W MOVED NE AND DEEPENED.

THE 19TH SAW A STRONG, COLDER, NW AIRSTREAM.

ON THE 20TH A COLD FRONT MOVED SE AND CLEARED.

THE 21ST SAW A BROAD WARM SECTOR BEFORE THE COLD FRONT CLEARED MID AFTERNOON, BRINGING IN A STRONG NW AIRSTREAM FOR THE 22ND.

A WEAK RIDGE PERSISTED ON THE 23RD BEFORE A WARM FRONT ARRIVED EARLY AFTERNOON.

ON THE 24TH A WEAK RIDGE AND A VERY MILD SW AIRSTREAM CONTINUED.

THERE WAS LITTLE CHANGE ON THE 25TH AND 26TH.

ON THE 27TH THERE WAS A SLACK AREA OF HIGH PRESSURE (FROM A HIGH 1037MB NE ITALY).

THERE WAS LITTLE CHANGE ON THE 28TH.

ON THE 29TH A WEAK COLD FRONT PERSISTED AS A RIDGE CONTINUED (FROM A HIGH 1035MB AT 47N/18W).

THERE WAS LITTLE CHANGE ON 30TH.

THE 31ST SAW A LOW (986MB) WEST OF SCOTLAND BRINGING A MOIST SW AIRSTREAM ACROSS ENGLAND AND THE SOUTHWEST.

DECEMBER TURNED OUT TO BE WARMER AND DRIER THAN AVERAGE AND AGAIN IT WAS A MONTH WITH LARGELY CLOUDY OR OVERCAST SKIES WITH HIGH HUMIDITIES AND VERY LITTLE WINTER SUNSHINE ON OFFER.

STORM 'DARRAGH' AFFECTED THE UK AND IRELAND ON THE 6TH AND 7TH OF DECEMBER.

ON THE 19TH A SQUALL WITH HAIL OCCURRED BETWEEN 0507 GMT AND 0509 GMT WITH ANOTHER HAIL SHOWER AT 1258 GMT ON THE SAME DAY.

HEAVIEST 24HR RAINFALL TOTALS WERE 21.8MM ON THE 4TH, 14.7MM ON THE 18TH AND 13.7MM ON THE 21ST.

THE MAXIMUM (MEASURED) WIND GUST WAS 30KT (35 MPH) ON THE 7TH AND THE PREDOMINANT WIND DIRECTION AT 0900 GMT WAS CALM, EQUALLY FOLLOWED BY NORTHWESTERLY AND SOUTHWESTERLY.

DECEMBER WAS THE COOLEST AND DRIEST SINCE 2023.

THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST IN ANY DECEMBER SINCE 2015.

THE YEAR OF 2024 AS A WHOLE SAW THE MEAN MAX TEMPERATURE BEING THE LOWEST SINCE 2021, THE MEAN MIN TEMPERATURE BEING THE LOWEST SINCE 2023 AND THE MEAN TEMPERATURE BEING THE LOWEST SINCE 2022.

IT WAS THE DRIEST YEAR SINCE 2023.

2024 ALSO SAW AN EQUAL LOWEST NUMBER OF AIR FROSTS RECORDED HERE SINCE 1994.

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 IS 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)