

STITHIANS WEATHER SUMMARY

DECEMBER 2023

HIGHEST MAXIMUM TEMPERATURE	13.0C (10TH)
HIGHEST MINIMUM TEMPERATURE	11.8C (25TH)
LOWEST MAXIMUM TEMPERATURE	04.7C (01ST)
LOWEST MINIMUM TEMPERATURE	-05.7C (02ND)
MEAN MAXIMUM TEMPERATURE	10.8C (10YR) 09.8C (35YR) 08.8C
MEAN MINIMUM TEMPERATURE	07.7C (10YR) 05.5C (35YR) 04.5C
MEAN TEMPERATURE FOR MONTH	09.2C (10YR) 07.6C (35YR) 06.6C
MAX DAILY TEMPERATURE RANGE	12.0C (02ND)
MEAN DAILY TEMPERATURE RANGE	03.0C
TOTAL RAINFALL FOR THE MONTH	240.2 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	199.8 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	174.0 MM
MAXIMUM RAINFALL IN 24 HOURS	32.3 MM (06TH)
RAIN DAYS (0.2MM OR MORE)	27
WET DAYS (1.0MM OR MORE)	25
DAYS WITH RAIN INCLUDED	28
DAYS WITH HAIL	00
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	03

MAXIMUM ATMOSPHERIC PRESSURE	1039.0 MB (16TH)
MINIMUM ATMOSPHERIC PRESSURE	987.0 MB (31ST)
MEAN ATMOSPHERIC PRESSURE	1011.5 MB (36YR MEAN) 1015.4 MB
MEAN SW SEA TEMP (DECEMBER 1986-2022 AV)	11.5C
10YR RUNNING MEAN SW SEA TEMP	11.8C
MEAN SW SEA TEMP DECEMBER 2023:	12.0C

NOTES

SYNOPTIC SITUATION: ON THE 1ST THERE WAS A LOW (995MB) NW BISCAY WHICH MOVED AWAY SOUTHEASTWARDS.

ON THE 2ND A WEAK OCCLUSION EDGED UP FROM THE SW AND DIED OUT DURING THE LATE EVENING.

THE 3RD SAW A Milder SW AIRSTREAM AS A LOW (996MB) MOVED NE AT 46N/15W (SWAPPS).

ON THE 4TH THE LOW (990MB) HAD MOVED TO THE WESTERN ENGLISH CHANNEL.

THE 5TH SAW THE LOW (995MB) MOVING TO NE FRANCE AS A NORTHWESTERLY MOVED IN IN IT'S WAKE. ON 6TH A LOW (973MB) WEST OF IRELAND PUSHED A FRONTAL SYSTEM UP FROM THE SW WHICH PERSISTED OVERNIGHT.

ON THE 7TH A WARM SECTOR PREVAILED. A SW AIRSTREAM PERSISTED ON THE 8TH BEFORE A FRONTAL SYSTEM ARRIVED DURING THE EVENING.

ON THE 9TH THE COLD FRONT CLEARED DURING THE MORNING AS A SHOWERY WESTERLY AIRSTREAM MOVED IN.

THE 10TH SAW A LOW (972MB) WEST OF IRELAND MOVE EASTWARDS AND A FRONTAL SYSTEM CLEARING DURING THE MORNING, FOLLOWED BY A SW AIRSTREAM.

ON THE 11TH THERE WAS A WEAK RIDGE OF HIGH PRESSURE, BEFORE AN OCCLUSION ARRIVED DURING THE EVENING. THIS THEN CLEARED OVERNIGHT AS A SHOWERY SW AIRSTREAM ARRIVED FOR THE 12TH.

A LOW (991MB) WESTERN GALWAY WAS MOVING EASTWARDS TO BE OVER HOLLAND (994MB) ON THE 13TH AS A VERY SHOWERY NW AIRSTREAM CONTINUED.

ON THE 14TH A FRONTAL SYSTEM ARRIVED FROM THE WEST BEFORE CLEARING IN THE LATE AFTERNOON BEING FOLLOWED BY A RIDGE OF HIGH PRESSURE.

THE 15TH SAW A MOIST SW AIRSTREAM AND A STRONG RIDGE OF HIGH PRESSURE. THERE WAS LITTLE CHANGE ON 16TH, 17TH AND THE 18TH.

ON THE 19TH A SE MOVING ACTIVE COLD FRONT CLEARED LATE MORNING AS A RIDGE OF HIGH PRESSURE MOVED IN.

ON THE 20TH A WARM FRONT MOVED IN FROM THE NW.

ON THE 21ST A LOW (961MB) STORM 'PIA' MOVED EASTWARDS ACROSS SOUTHERN NORWAY.

ON THE 22ND A BROAD WARM SECTOR COVERED MOST OF THE UK. A HIGH (1040MB) WAS AT 43N/22W.

ON THE 23RD AND 24TH THERE WAS LITTLE CHANGE AS THE MILD, BROAD WARM SECTOR PERSISTED.

ON THE 25TH A VERY MILD SW AIRSTREAM CONTINUED AS A SLOW MOVING, WAVING, COLD FRONT PERSISTED OVER SOUTHERN AND SW ENGLAND.

ON THE 26TH A RIDGE COLLAPSED AS A WARM FRONT MOVED UP FROM THE SOUTHWEST.

THE 27TH SAW A LOW (982MB) STORM 'GERRIT' AT 55N/10W AT 0600 GMT WITH IT'S COLD FRONT CLEARING EARLY AFTERNOON AS A SHOWERY SW AIRSTREAM ARRIVED.

ON THE 28TH A STRONG SW AIRSTREAM COVERED THE UK AND IRELAND.

THE 29TH SAW A SHOWERY W/SW AIRSTREAM AS A NEW LOW (999MB) WAS DEVELOPING AT 47N/35W.

ON THE 30TH A FRONTAL SYSTEM MOVED IN AS THE LOW (969MB) AT 52.5N/18W MOVED SLOWLY NORTHEASTWARDS.

BY THE 31ST THE LOW (975MB) STORM 'GERALDINE' WAS OVER THE ISLE OF MAN WITH A STRONG, SHOWERY, WESTERLY OVER SOUTHERN ENGLAND, WALES AND SOUTHERN IRELAND.

THE MAIN ATLANTIC JET STREAM STRENGTHENED DURING THE MONTH. IT WAS TO THE SOUTH OF THE UK DURING THE FIRST FOUR DAYS, TO THE SOUTHWEST FROM 5TH TO THE 9TH AND WAS TO THE NW UP TO THE 18TH. IT WAS MAINLY OVER THE U.K. FOR THE REMAINDER OF THE MONTH.

DECEMBER WAS ANOTHER MONTH WITH ABOVE AVERAGE TEMPERATURES AND IT WAS ALSO VERY WET.

THE MEAN TEMPERATURES WERE VERY SIMILAR TO THOSE IN DECEMBER 2021.

ALTHOUGH HIGH PRESSURE WAS AROUND FROM 14TH TO THE 20TH, IT WAS A MONTH THAT WAS DOMINATED BY LOW PRESSURE.

THE FIRST FEW DAYS WERE COLD, BUT IT RAPIDLY BECAME WARMER WITH GENERALLY ABOVE NORMAL TEMPERATURES FOR THE REST OF DECEMBER.

ANY SUNSHINE WAS VERY LIMITED AND FOR THE MOST PART, IT WAS EITHER CLOUDY OR OVERCAST.

THE PREDOMINANT WIND DIRECTION WAS WESTERLY AND THE MAXIMUM (MEASURED) WIND GUST FOR THE MONTH WAS 24KT (27 MPH) WHICH OCCURRED AT 1809 GMT ON THE 21ST.

THE MEAN SOUTHWEST SEA TEMPERATURE WAS AN EQUAL VALUE TO DECEMBER 2021.

THE YEAR 2023 AS A WHOLE WAS THE WETTEST AND WARMEST YEAR EVER RECORDED HERE (RECORDS BACK TO 1988).

THE YEAR ALSO SAW THE HIGHEST NUMBER OF DAYS WITH RAIN RECORDED SINCE 2019 AND A NEW RECORD MAX/MIN PRESSURE RANGE WAS ALSO SET AT 91MB FOR THE YEAR.

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 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