

# STITHIANS WEATHER SUMMARY

## JANUARY 2024

HIGHEST MAXIMUM TEMPERATURE	12.9C (29TH)
HIGHEST MINIMUM TEMPERATURE	11.7C (02ND)
LOWEST MAXIMUM TEMPERATURE	02.1C (09TH)
LOWEST MINIMUM TEMPERATURE	-06.3C (18TH)
MEAN MAXIMUM TEMPERATURE	08.3C (10YR) 08.7C (36YR) 08.3C
MEAN MINIMUM TEMPERATURE	03.4C (10YR) 04.0C (36YR) 03.7C
MEAN TEMPERATURE FOR MONTH	05.8C (10YR) 06.3C (36YR) 06.0C
MAX DAILY TEMPERATURE RANGE	12.4C (31ST)
MEAN DAILY TEMPERATURE RANGE	04.9C
TOTAL RAINFALL FOR THE MONTH	135.1 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	189.5 MM
TOTAL RAINFALL (36 YRS LONG TERM AV)	153.1 MM
MAXIMUM RAINFALL IN 24 HOURS	46.4 MM (01ST)
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 01
AIR FROSTS (-00.1C OR BELOW)	10

MAXIMUM ATMOSPHERIC PRESSURE	1037.0 MB (11TH)
MINIMUM ATMOSPHERIC PRESSURE	980.0 MB (02ND)
MEAN ATMOSPHERIC PRESSURE	1017.0 MB (37YR MEAN) 1016.4 MB
MEAN SW SEA TEMP (JANUARY 1986-2023 AV)	10.4C
10YR RUNNING MEAN SW SEA TEMP	10.9C
MEAN SW SEA TEMP JANUARY 2024:	10.6C

### NOTES

SYNOPTIC SITUATION: ON THE 1ST AN OCCLUSION AND A FRONTAL SYSTEM PUSHED UP FROM THE SW.

THE 2ND SAW A NEW LOW (975MB) WEST WALES WITH IT'S OCCLUSION CLEARING EARLY AFTERNOON. IT'S FRONTAL SYSTEM WAS OVER SE ENGLAND. THIS WAS STORM 'HENK'.

ON THE 3RD THERE WAS A SHOWERY WESTERLY AIRSTREAM AS EX-STORM 'HENK' WAS SLOW MOVING AT 59N/09W.

THE 4TH SAW A NEW ACTIVE LOW (991MB) MOVE UP FROM THE SW TO BE CENTRED TO THE WEST OF BRITTANY.

THE 5TH SAW A SHOWERY NORTHWESTERLY WITH A LOW (992MB) SHETLAND.

ON THE 6TH A NORTHWESTERLY AIRSTREAM PREVAILED AS A RIDGE INTENSIFIED.

BY THE 7TH A NEW HIGH (1033MB) WAS OVER SHETLAND WHICH PUSHED A RIDGE TO AND OVER THE UK, IRELAND, BISCAY AND PORTUGAL. AN OCCLUSION NORTHERN ENGLAND TO SW ENGLAND DIED OUT.

ON THE 8TH A HIGH (1043MB) OVER SW NORWAY PRODUCED A COLD E/NE AIRSTREAM.

BY THE 9TH THE BLOCKING HIGH (1042MB) WHICH WAS LINKING TO A HIGH (1040MB) (OVER NORTHERN GERMANY), HAD MOVED TO N E SCOTLAND.

BY THE 10TH THE HIGH (1043MB) WAS TO THE NORTH OF SCOTLAND AS THE NORTH EASTERLY FLOW CONTINUED.

THERE WAS LITTLE CHANGE ON THE 11TH AND 12TH.

ON THE 13TH THE HIGH (1034MB) DECLINED AND MOVED AWAY TO THE WEST.

BY THE 14TH THE HIGH (1041MB) HAD MOVED TO SE GREENLAND AS A WEAK OCCLUSION CLEARED SOUTHWARDS AND DIED OUT.

ON THE 15TH A NORTHERLY AIRSTREAM MOVED IN AS A HIGH (1026MB) WAS SLOW MOVING OVER S GREENLAND AND A LOW 977MB WAS OVER THE BALTIC.

THE 16TH SAW A VERY WEAK RIDGE BEFORE A WEAK WARM FRONT MOVED UP FROM THE SOUTH LATER.

ON THE 17TH THERE WAS A LOW PRESSURE AREA TO THE SOUTH AND A RIDGE OVER ENGLAND AND IRELAND.

ON THE 18TH THERE WAS A COLD NORTHERLY AIRSTREAM AS A HIGH (1018MB) FORMED AT 52N/20W.

BY THE 19TH THE HIGH (1025MB) HAD MOVED TO NE FRANCE WHICH EXTENDED A RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 20TH A RIDGE COLLAPSED WITH AN OCCLUSION ARRIVING DURING THE EVENING. THIS CLEARED OVERNIGHT.

ON THE 21ST STORM 'ISHA' (965MB) WAS AT 52N/26W AT 0600 GMT, AT 1200 GMT 957MB AT 53N/20W, AT 1800 GMT 950MB AT 57.5N/12W AND AT 0000 GMT 947MB AT 60.5N/06W.

BY THE 22ND STORM 'ISHA' WAS AT 61.5N/02W (947MB) AT 0600 GMT ON THE 23RD STORM 'JOCELYN' (966MB) WAS AT 55N/28W AND A FRONTAL SYSTEM IN THE SOUTHWEST APPROACHES WAS MOVING NORTH EASTWARDS.

AT 1200 GMT STORM 'JOCELYN' (961MB) WAS AT 59N/24W, AT 1800 GMT (962MB) AT 61N/12W.

ON THE 24TH A RIDGE OF HIGH PRESSURE MOVED IN.

THE 25TH SAW A MOIST SW AIRSTREAM BEFORE THE COLD FRONT CLEARED OVERNIGHT.

ON THE 26TH A RIDGE PERSISTED.

BY THE 27TH THE HIGH (1038MB) HAD RETREATED TO NORTHERN ITALY AS A WARM FRONT EDGED UP FROM THE SOUTHWEST.

ON THE 28TH ANOTHER WEAK WARM FRONT MOVED UP FROM THE SW AS A VERY MILD AND MOIST AIRSTREAM CONTINUED.

ON THE 29TH A LOW (1015MB) MOVED UP ACROSS WEST CORNWALL.

ON THE 30TH THERE WAS A RIDGE OF HIGH PRESSURE BEFORE A VERY MILD SW AIRSTREAM RETURNED, TOGETHER WITH A LOW (947MB) AT 64N/06W (TO THE EAST OF ICELAND) FOR THE 31ST.

THE MAIN ATLANTIC JET STREAM GENERALLY STRENGTHENED DURING THE MONTH AND WAS SITUATED TO THE WEST, NORTH OR DIRECTLY OVER THE UK.

JANUARY WAS SOMEWHAT DRIER AND A LITTLE COLDER THAN AVERAGE. FOLLOWING A MILD OR VERY MILD START TO THE MONTH.

FROM THE 7TH-20TH IT BECAME COLDER AND IT WAS DURING THIS PERIOD THAT MOST OF THE AIR FROSTS OCCURRED.

ON THE 9TH THERE WAS A VERY LIGHT SNOW SHOWER (NON-STICKING) AT 1227 GMT THEREAFTER, IT BECAME MILD OR VERY MILD ONCE AGAIN FOR THE REMAINDER OF THE MONTH. IT WAS ALSO OFTEN A CLOUDY MONTH WITH ONLY LIMITED AMOUNTS OF SUNSHINE.

THE MAXIMUM WIND GUST (MEASURED) FOR THE MONTH WAS 25KT (28 MPH) ON THE 21ST AND THE MAIN WIND DIRECTIONS WERE WESTERLY, FOLLOWED BY CALM AND NORTHWESTERLY.

IT WAS THE COLDEST JANUARY RECORDED HERE SINCE 2021 AS WERE THE NUMBER OF AIR FROSTS ALSO.

THE LOWEST MAX TEMPERATURE IS THE LOWEST FOR ANY JANUARY SINCE 2013.

THE LOWEST MIN. TEMPERATURE IS THE LOWEST FOR ANY JANUARY SINCE 2011 AND THE MEAN SW SEA TEMPERATURE IS THE LOWEST IN ANY JANUARY SINCE 2021.

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)