

# STITHIANS WEATHER SUMMARY

## JANUARY 2023

HIGHEST MAXIMUM TEMPERATURE	12.6C (04TH)
HIGHEST MINIMUM TEMPERATURE	11.8C (04TH)
LOWEST MAXIMUM TEMPERATURE	03.1C (17TH)
LOWEST MINIMUM TEMPERATURE	-04.0C (24TH)
MEAN MAXIMUM TEMPERATURE	09.1C (10YR) 08.6C (35YR) 08.2C
MEAN MINIMUM TEMPERATURE	04.3C (10YR) 04.0C (35YR) 03.7C
MEAN TEMPERATURE FOR MONTH	06.7C (10YR) 06.3C (35YR) 05.9C
MAX DAILY TEMPERATURE RANGE	12.1C (25TH)
MEAN DAILY TEMPERATURE RANGE	04.5C
TOTAL RAINFALL FOR THE MONTH	214.4 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	185.0 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	156.9 MM
MAXIMUM RAINFALL IN 24 HOURS	28.6 MM (13TH)
RAIN DAYS (0.2MM OR MORE)	22
WET DAYS (1.0MM OR MORE)	20
DAYS WITH RAIN INCLUDED	24
DAYS WITH HAIL	04
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 0 / SNW 01
AIR FROSTS (-00.1C OR BELOW)	05
MAXIMUM ATMOSPHERIC PRESSURE	1039.0 MB (24TH)

MINIMUM ATMOSPHERIC PRESSURE	984.0 MB (15TH)
MEAN ATMOSPHERIC PRESSURE	1015.6 MB (36YR MEAN) 1016.4 MB
MEAN SW SEA TEMP (JANUARY 1986-2022 AV)	10.4C
10YR RUNNING MEAN SW SEA TEMP	10.8C
MEAN SW SEA TEMP JANUARY 2023:	11.0C

### NOTES

SYNOPTIC SITUATION: ON THE 1ST A SHOWERY SW AIRSTREAM PREVAILED. ON THE 2ND THERE WAS A WEAK RIDGE BEFORE AN ACTIVE FRONTAL SYSTEM ARRIVED FROM THE SW ON THE 3RD.

ON THE 4TH A COLD FRONT SOON CLEARED AWAY TO THE SE AS A LOW (987MB) MOVED FROM THE EAST OF SCOTLAND TO SW NORWAY.

ON THE 5TH A WARM SECTOR AND A VERY MILD SW AIRSTREAM COVERED SW ENGLAND, WALES AND SOUTHERN IRELAND.

THE 6TH SAW A WEAK RIDGE COLLAPSE AS A FRONTAL SYSTEM MOVED UP FROM THE SW DURING THE EVENING. THIS THEN PERSISTED OVERNIGHT.

ON THE 7TH THE COLD FRONT CLEARED EARLY TO BE FOLLOWED BY A SHOWERY SW AIRSTREAM. THIS SITUATION CONTINUED ON THE 8TH AS A PRIMARY LOW (955MB) LINGERED TO THE NW OF THE WESTERN ISLES AND SHOWER TROUGHS CIRCULATED AROUND IT.

ON THE 9TH THERE WAS A BRISK WESTERLY AIRSTREAM WITH HEAVY SHOWERS.

ON THE 10TH A WARM FRONT AND A BROAD WARM SECTOR ARRIVED FROM THE SW AS A PRIMARY LOW (969MB) AT 55N/30W PERSISTED. THE COLD FRONT SWEEPED EASTWARDS AND CLEARED EARLY EVENING.

THE 11TH SAW A RETURN TO A STRONG SHOWERY SW AIRSTREAM.

ON THE 12TH A WAVING COLD FRONT EDGED WHICH QUICKLY CLEARED IN THE EARLY AFTERNOON.

ON THE 13TH THE LOW (979MB) HAD MOVED TO THE NORTH SEA ALLOWING A SLIGHT RIDGE TO BUILD FROM THE SW AS A NEW FRONTAL SYSTEM ARRIVED DURING THE EVENING.

ON THE 14TH A COLD FRONT CLEARED AROUND MIDDAY, INTRODUCING A SW AIRSTREAM.

ON 15TH THERE WAS A COLDER & SHOWERY WESTERLY. A SMALL LOW (991MB) FORMED TO THE SW OF IRELAND IN THE AFTERNOON BEFORE DEEPENING AND MOVING EAST SOUTH EASTWARDS.

BY THE 16TH THE LOW (973MB) WAS CENTRED OVER NE NORMANDY AS A SHOWERY WESTERLY ARRIVED. A MINOR LOW (982MB) MOVED ESE OVERNIGHT IN THE ARCTIC DERIVED AIRSTREAM.

THE COLD WEATHER PERSISTED ON THE 17TH.

ON THE 18TH A LOW (978MB) MID-NORTH SEA CONTINUED THE COLD, SHOWERY WESTERLY AIRSTREAM.

THE 19TH SAW A LOW (1001MB) MOVING AWAY TO THE ESE, FOLLOWED BY A WEAK RIDGE. THE 20TH SAW THE RIDGE PERSISTING AND STRENGTHENING ON THE 21ST TO STRETCH FROM A HIGH (1032MB) NE OF AZORES TO A HIGH (1037MB) SW NORWAY. THIS SITUATION CONTINUED ON THE 22ND AS PRESSURE ROSE FURTHER. A WEAK WARM FRONT STRETCHED FROM E. SCOTLAND TO W. OF BISCAY.

ON THE 23RD THERE WAS A HIGH (1041MB) SW NORWAY AND A RIDGE TO THE AZORES.

ON THE 24TH A HIGH (1041MB) STRETCHED A RIDGE TO AND OVER THE UK AND TO NE OF THE AZORES.

ON THE 25TH COLD FRONTS MOVED DOWN ACROSS THE UK AS THE RIDGE HELD ON OVER SOUTHERN ENGLAND.

BY THE 26TH THE HIGH (1042MB) HAD RETREATED TO THE SW OF IRELAND AS FRONTAL SYSTEMS MOVED UP ACROSS ICELAND AND SE GREENLAND.

ON THE 27TH THE HIGH (1042MB) NORTH OF THE AZORES STILL EXTENDED A RIDGE TO AND OVER THE UK AND IRELAND, AS WELL AS SCANDINAVIA. THERE WAS LITTLE CHANGE TO THIS SITUATION ON THE 28TH.

ON THE 29TH THE RIDGE PERSISTED AS A WEAK COLD FRONT MOVED SOUTH EASTWARDS WHICH ALSO OCCURRED EARLY ON THE 30TH.

ON THE 31ST ANOTHER WEAK COLD FRONT MOVED SLOWLY SOUTH EASTWARDS AND CLEARED.

THE MAIN ATLANTIC JETSTREAM WAS MAINLY OVER THE UK IN THE FIRST HALF OF THE MONTH, THEREAFTER TRANSFERRING TO THE SW AND FINALLY TO THE WEST AND NORTHWEST BY MONTH'S END.

JANUARY TURNED OUT TO BE WARMER THAN DECEMBER AND IT WAS ALSO THE WETTEST ONE SINCE 2018.

THE STITHIANS RESERVOIR LEVEL CONTINUES TO RISE SLOWLY, BUT STEADILY.

ALL MEAN TEMPERATURES WERE ABOVE AVERAGE AND THE FIRST HALF OF THE MONTH WAS PARTICULARLY WET, THEREAFTER SEEING ONLY SMALL AMOUNTS OF RAIN.

IT WAS LARGELY CLOUDY FOR MUCH OF THE TIME WITH LIMITED AMOUNTS OF SUNSHINE ON OFFER.

THE WETTEST DAYS INCLUDED THE 02ND WITH 13.4MM, THE 03RD WITH 21.8MM, THE 06TH WITH 23.5MM, THE 08TH WITH 13.4MM, THE 11TH WITH 15.7MM, THE 13TH WITH 38.6MM, THE 14TH WITH 13.5MM, THE 15TH WITH 20.5MM AND THE 16TH WITH 12.0MM.

HAIL WAS RECORDED ON THE 15TH, 16TH, 18TH AND 19TH AND SNOW FELL DURING THE EARLY HOURS OF THE 17TH, WHEN A FULL, LEVEL COVER OF 5CM (50MM) WAS RECORDED.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 37KT (42 MPH) DURING THE EARLY HOURS OF THE 12<sup>TH</sup>. THE MAIN WIND DIRECTION WAS SOUTH WESTERLY.

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)

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