

STITHIANS WEATHER SUMMARY

FEBRUARY 2023

HIGHEST MAXIMUM TEMPERATURE	13.0C (14TH)
HIGHEST MINIMUM TEMPERATURE	09.8C (17TH & 18TH)
LOWEST MAXIMUM TEMPERATURE	07.3C (27TH)
LOWEST MINIMUM TEMPERATURE	-04.7C (27TH)
MEAN MAXIMUM TEMPERATURE	09.8C (10YR) 08.7C (35YR) 08.6C
MEAN MINIMUM TEMPERATURE	04.1C (10YR) 03.6C (35YR) 03.5C
MEAN TEMPERATURE FOR MONTH	06.9C (10YR) 06.1C (35YR) 06.0C
MAX DAILY TEMPERATURE RANGE	12.5C (08TH)
MEAN DAILY TEMPERATURE RANGE	05.7C
TOTAL RAINFALL FOR THE MONTH	29.6 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	156.1 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	126.2 MM
MAXIMUM RAINFALL IN 24 HOURS	9.5 MM (15TH)
RAIN DAYS (0.2MM OR MORE)	12
WET DAYS (1.0MM OR MORE)	05
DAYS WITH RAIN INCLUDED	18
DAYS WITH HAIL	01
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	06
MAXIMUM ATMOSPHERIC PRESSURE	1045.0 MB (05TH)

MINIMUM ATMOSPHERIC PRESSURE	1013.0 MB (21ST & 24TH)
MEAN ATMOSPHERIC PRESSURE	1028.7 MB (36YR MEAN) 1016.0 MB
MEAN SW SEA TEMP (FEBRUARY 1986-2022 AV)	09.7C
10YR RUNNING MEAN SW SEA TEMP	10.1C
MEAN SW SEA TEMP FEBRUARY 2023:	10.5C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A HIGH (1036MB) WAS SLOW MOVING AT 45N/12W AND A WARM SECTOR COVERED IRELAND AND ENGLAND. BY THE 2ND THE HIGH (1035MB) HAD MOVED TO BORDEAUX WHILST THE WARM SECTOR PERSISTED. THERE WAS LITTLE CHANGE TO THIS SITUATION ON THE 3RD.

BY THE 4TH A STRONG HIGH (1040MB) HAD FORMED OVER BRITTANY WHICH DOMINATED THE WEATHER ACROSS THE UK, IRELAND, FRANCE, SPAIN AND THE AZORES. THIS ALSO LINKED TO A HIGH (1039MB) SW NORWAY. A FRONTAL SYSTEM AFFECTED SCOTLAND AND NORTHERN IRELAND.

BY THE 5TH THE HIGH (1048MB) WAS OVER NORTH WALES AND WAS THE DOMINANT FEATURE. BY THE 6TH THE HIGH (1044MB) HAD MOVED TO EAST ANGLIA AND STILL DOMINATED THE UK WEATHER.

ON THE 7TH A HIGH (1046MB) NE OF ITALY STRETCHED A RIDGE ACROSS THE UK AND IRELAND TO A NEW HIGH (1041MB) TO THE NORTH OF THE AZORES. THIS SITUATION CONTINUED ON THE 8TH.

ON THE 9TH A WEAK COLD FRONT MOVED SE AND CLEARED DURING THE EVENING.

BY THE 10TH THE HIGH (1042MB) OVER N ITALY STILL MAINTAINED A RIDGE TO AND OVER THE UK AND IRELAND. THIS SITUATION PERSISTED ON THE 11TH, 12TH AND 13TH.

ON THE 14TH PRESSURE DECLINED SLIGHTLY AS A WEAK WARM FRONT CLEARED AWAY NORTHWARDS. THE HIGHS (1042MB) ITALY AND (1038MB) NE SPAIN PERSISTED.

ON THE 15TH A WEAKENING COLD FRONT EDGED IN FROM THE WEST, BEFORE CLEARING DURING THE EARLY AFTERNOON. A FRONTAL SYSTEM ARRIVED DURING MID-EVENING AND CONTINUED OVERNIGHT.

THE 16TH SAW THE FRONTAL SYSTEM MOVE THROUGH AS A BROAD WARM SECTOR ARRIVED. ON THE 17TH THE WARM SECTOR PERSISTED. THE 18TH SAW A WEAK COLD FRONT MOVING SOUTH EASTWARDS WHICH CLEARED DURING THE EVENING.

ON THE 19TH A HIGH (1034MB) FORMED TO THE SW OF THE ISLES OF SCILLY BRINGING UP A MOIST SW /W AIRSTREAM.

ON THE 20TH A WEAK WARM FRONT (SW-NE) IN THE CELTIC SEA PERSISTED, AS DID THE MOIST SW AIRSTREAM.

ON THE 21ST PRESSURE FELL AS A WARM SECTOR PERSISTED IN THE NORTH OF THE UK.

THE 22ND SAW A COLD FRONT CLEARING DURING THE EARLY HOURS, BEING FOLLOWED BY A SHOWERY W/NW AIRSTREAM.

ON THE 23RD A COOL AND SHOWERY NORTHERLY COVERED SOUTHERN ENGLAND WHILE A RIDGE (FROM A HIGH (1034MB) AT 50N/21W) COVERED IRELAND AND THE NORTH OF THE UK.

ON THE 24TH A WEAKENING RIDGE (FROM A HIGH (1027MB) TO THE WEST OF IRELAND) GAVE WAY TO A WEAKENING AND SOUTHWARD MOVING COLD FRONT.

ON THE 5TH A HIGH (1025MB) TO THE NNW OF IRELAND MAINTAINED A RIDGE TO AND OVER THE UK.

BY 26TH THE HIGH (1034MB) HAD MOVED TO SCOTLAND AND BECAME A BLOCKING FEATURE WHILE DOMINATING THE WEATHER ACROSS THE UK. THE 27TH SAW LITTLE CHANGE IN THIS SITUATION.

ON THE 28TH THERE WAS STILL LITTLE CHANGE AS THE HIGH (1041MB) MOVED TO NORTHWEST SCOTLAND.

THE MAIN ATLANTIC JET STREAM WAS MOSTLY TO THE NORTHWEST OR WEST OF THE BRITISH ISLES.

IN A MONTH WHICH WAS LARGELY DOMINATED BY HIGH PRESSURE, RAINFALL WAS VERY LOW AND ALL MEAN TEMPERATURES WERE ABOVE AVERAGE.

IT WAS THE DRIEST FEBRUARY HERE SINCE 1998 AND THE MONTH SAW THE HIGHEST MEAN ATMOSPHERIC PRESSURE IN ANY FEBRUARY SINCE 2012.

THE 5TH SAW A PRESSURE OF 1045MB WHICH IS A NEW FEBRUARY RECORD (PROBABLY BACK AS FAR AS 1971 AT LEAST!).

A NUMBER OF THE NIGHTS WERE FROSTY AND HAIL WAS RECORDED AT 0902 GMT ON THE 22ND.

THE PREDOMINANT WIND DIRECTION WAS WESTERLY, FOLLOWED BY EASTERLY.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 21KT (24 MPH) ON THE 15TH, 17TH AND 18TH.

THE WINTER AS A WHOLE WAS THE COLDEST AND WETTEST SINCE 2020, THUS AGAIN COMPLETING A BIENNIAL CYCLE AS SO OFTEN SEEMS TO HAPPEN!

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