

STITHIANS WEATHER SUMMARY

FEBRUARY 2024

HIGHEST MAXIMUM TEMPERATURE	13.0C (15TH)
HIGHEST MINIMUM TEMPERATURE	11.7C (14TH)
LOWEST MAXIMUM TEMPERATURE	07.0C (23RD)
LOWEST MINIMUM TEMPERATURE	-00.4C (27TH)
MEAN MAXIMUM TEMPERATURE	11.0C (10YR) 09.0C (36YR) 08.6C
MEAN MINIMUM TEMPERATURE	07.4C (10YR) 03.7C (36YR) 03.5C
MEAN TEMPERATURE FOR MONTH	09.2C (10YR) 06.3C (36YR) 06.0C
MAX DAILY TEMPERATURE RANGE	11.0C (27TH)
MEAN DAILY TEMPERATURE RANGE	03.5C
TOTAL RAINFALL FOR THE MONTH	297.8 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	152.2 MM
TOTAL RAINFALL (36 YRS LONG TERM AV)	122.8 MM
MAXIMUM RAINFALL IN 24 HOURS	33.3 MM (17TH)
RAIN DAYS (0.2MM OR MORE)	28
WET DAYS (1.0MM OR MORE)	21
DAYS WITH RAIN INCLUDED	28
DAYS WITH HAIL	01
DAYS WITH THUNDER	01
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	01

MAXIMUM ATMOSPHERIC PRESSURE	1035.0 MB (01ST)
MINIMUM ATMOSPHERIC PRESSURE	973.0 MB (09TH)
MEAN ATMOSPHERIC PRESSURE	1009.2 MB (37YR MEAN) 1016.4 MB
MEAN SW SEA TEMP	
(FEBRUARY 1986-2023 AV)	09.7C
10YR RUNNING MEAN SW SEA TEMP	10.1C
MEAN SW SEA TEMP FEBRUARY 2024:	10.4C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A HIGH (1041MB) EXTENDED A RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 2ND THERE WAS A BROAD WARM SECTOR AND A VERY MOIST SW/W AIRSTREAM.

THERE WAS LITTLE CHANGE ON THE 3RD, 4TH OR 5TH.

ON THE 6TH PRESSURE FELL AWAY AS A COLD FRONT EDGED DOWN FROM THE NORTH AND BECAME SLOW MOVING OVER DEVON AND CORNWALL.

ON THE 7TH A COLD FRONT PERSISTED BEFORE A FRONTAL SYSTEM ARRIVED FROM THE SW DURING THE EVENING. WHICH WAS REPLACED ON THE 8TH BY A NEW FRONTAL SYSTEM AS A LOW (974MB) AT 48N/12W MOVED UP FROM THE SW.

ON THE 9TH THERE WAS A SHOWERY SW AIRSTREAM AS A LOW (963MB) WAS SLOW MOVING AT 52N/15W WHILE OVER SCOTLAND AND NORTHERN ENGLAND A FRESH EASTERLY PREVAILED.

BY THE 10TH THE LOW (973MB) HAD MOVED TO THE ISLES OF SCILLY WITH A SHOWERY OCCLUSION WRAPPED AROUND IT.

ON THE 11TH THE LOW (986MB) HAD MOVED INTO THE NORTH SEA AS A SHOWERY NW AIRSTREAM PERSISTED.

THE 12TH SAW A VERY WEAK RIDGE BEFORE A WARM FRONT AND A WARM SECTOR ARRIVED ON THE 13TH. THERE WAS LITTLE CHANGE ON 14TH.

BY THE 15TH A WAVING COLD FRONT SW OF THE ISLES OF SCILLY MOVED EASTWARDS AND CLEARED OVERNIGHT.

THE 16TH HAD A RIDGE MOVE IN BEFORE A FRONTAL SYSTEM MOVED UP FROM THE SW ON THE 17TH. TWO COLD FRONTS CLEARED OVERNIGHT.

ON THE 18TH A HIGH (1039MB) NE OF THE AZORES PUSHED AN INTENSIFYING RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 19TH A WEAK COLD FRONT CLEARED EARLY TO THE SE AS THE RIDGE PERSISTED.

ON THE 20TH THE RIDGE SLOWLY DECLINED AS A MOIST SW AIRSTREAM PERSISTED.

ON THE 21ST A FRONTAL SYSTEM SWEEPED UP FROM THE SW WHICH LINGERED UNTIL A NEW LOW PUSHED UP ACROSS SW AND S ENGLAND DURING THE NIGHT.

ON THE 22ND THE COLD FRONT CLEARED MID MORNING AS A SHOWERY WESTERLY AIRSTREAM ARRIVED.

THE 23RD SAW A SHOWERY W/NW AIRSTREAM.

THERE WAS LITTLE CHANGE ON 24TH.

THE 25TH SAW A LOW (982MB) MOVE ESE TO BE OVER THE ISLES OF SCILLY BY 1200 GMT AND BY 1800 GMT IT WAS 983MB TO THE SOUTH OF FALMOUTH.

BY THE 26TH THE LOW (990MB) HAD MOVED TO THE NORTHEAST OF BORDEAUX AS A STRENGTHENING RIDGE MOVED IN FROM THE WEST.

ON THE 27TH A RIDGE PERSISTED BEFORE A WEAK FRONTAL SYSTEM MOVED IN DURING THE AFTERNOON AND EVENING.

THERE WAS LITTLE CHANGE ON THE 28TH BEFORE A COLD FRONT CLEARED LATE EVENING.

A SHOWERY WESTERLY AIRSTREAM ARRIVED FOR THE 29TH AS A LOW (986MB) PERSISTED OVER THE NORTHERN ISLES. DURING THE EVENING A NEW LOW (996MB) DEVELOPED TO THE SW OF IRELAND AND THIS MOVED QUICKLY ENE AND DEEPENED.

THE MAIN ATLANTIC JETSTREAM VARIED WIDELY THROUGHOUT THE MONTH. IT WAS MAINLY TO THE WEST, SOUTHWEST OR SOUTH OF THE UK BUT IT WAS OVER THE UK FROM THE 3RD TO THE 7TH, THE 12TH, THE 14TH & 16TH, THE 19TH TO THE 22ND AND ON THE 28TH AND 29TH.

FEBRUARY TURNED OUT TO BE VERY CHANGEABLE AND OFTEN WET WITH RAIN RECORDED ON ALL OF THE DAYS EXCEPT ONE!

THE HEAVIEST FALLS OF RAIN WERE 23.4MM ON THE 6TH, 17.6MM ON THE 7TH, 14.6MM ON THE 8TH, 12.9MM ON THE 10TH, 11.8MM ON THE 13TH, 11.5MM ON THE 15TH, 33.3MM ON THE 17TH, 33.2MM ON THE 20TH, 19.9MM ON THE 21ST, 15.3MM ON THE 22ND, 10.4MM ON THE 23RD, 12.6MM ON THE 24TH, 23.4MM ON THE 25TH AND 16.5MM ON THE 29TH.

IT WAS THE WETTEST FEBRUARY EVER RECORDED HERE AND IT WAS ALSO, BY FAR THE WARMEST, WITH ALL MEAN TEMPERATURES BEING NEW RECORD VALUES FOR THE MONTH.

THE HIGHEST MINIMUM TEMPERATURE AND THE LOWEST MINIMUM TEMPERATURE WERE BOTH NEW 'HIGHEST' RECORDS FOR ANY FEBRUARY AS WELL.

HAIL WAS RECORDED ON THE 22ND AT 1058 GMT AND AT 1457 GMT.

THUNDER OCCURRED ON THE 23RD AT 0315 GMT.

THE MAXIMUM RECORDED WIND GUST FOR THE MONTH WAS 19KT ON THE 22ND.

THE PREDOMINANT WIND DIRECTION WAS SOUTHWESTERLY, EQUALLY FOLLOWED BY WESTERLY & NORTHWESTERLY.

THE WINTER AS A WHOLE WAS THE WETTEST HERE SINCE 2020 AND THE WARMEST SINCE 2021.

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