

STITHIANS WEATHER SUMMARY

APRIL 2023

HIGHEST MAXIMUM TEMPERATURE	17.8C (30TH)
HIGHEST MINIMUM TEMPERATURE	11.2C (30TH)
LOWEST MAXIMUM TEMPERATURE	10.2C (03RD & 25TH)
LOWEST MINIMUM TEMPERATURE	-00.5C (07TH)
MEAN MAXIMUM TEMPERATURE	12.8C (10YR) 12.4C (35YR) 12.1C
MEAN MINIMUM TEMPERATURE	06.6C (10YR) 04.2C (35YR) 04.4C
MEAN TEMPERATURE FOR MONTH	09.7C (10YR) 08.3C (35YR) 08.2C
MAX DAILY TEMPERATURE RANGE	12.6C (07TH)
MEAN DAILY TEMPERATURE RANGE	06.3C
TOTAL RAINFALL FOR THE MONTH	122.7 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	60.6 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	84.4 MM
MAXIMUM RAINFALL IN 24 HOURS	24.8 MM (11TH)
RAIN DAYS (0.2MM OR MORE)	19
WET DAYS (1.0MM OR MORE)	12
DAYS WITH RAIN INCLUDED	20
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	1028.0 MB (02ND)

MINIMUM ATMOSPHERIC PRESSURE	992.0 MB (12TH)
MEAN ATMOSPHERIC PRESSURE	1014.9 MB (36YR MEAN) 1014.8 MB
MEAN SW SEA TEMP	
(APRIL 1986-2022 AV)	10.2C
10YR RUNNING MEAN SW SEA TEMP	10.5C
MEAN SW SEA TEMP APRIL 2023:	10.9C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A LOW (997MB) – (EX-STORM 'MATHIS') SLOWLY PUSHED AN OCCLUSION DOWN ACROSS THE REGION.

THE 2ND SAW A HIGH (1031MB) BISCAY LINKED (VIA UK AND IRELAND) TO A HIGH (1035MB) MID-SCANDINAVIA.

THE 3RD SAW LITTLE CHANGE IN THIS SITUATION, AS DID THE 4TH ALSO. ON THE 5TH A WARM FRONT CAME IN FROM THE WEST TO BE FOLLOWED BY THE COLD FRONT WHICH CLEARED MID-EVENING. A BRISK N.W. AIRSTREAM ARRIVED ON THE 6TH. ON THE 7TH A HIGH (1029MB) SW NORWAY EXTENDED A RIDGE TO AND OVER THE UK AND IRELAND WHICH CONTINUED ON THE 8TH.

THE 9TH SAW A COLD FRONT MOVING EASTWARDS FOLLOWED BY AN OCCLUSION WHICH CLEARED THROUGH AROUND MIDNIGHT.

ON THE 10TH A SHOWERY SW AIRSTREAM PREVAILED.

THE 11TH SAW AN ACTIVE FRONTAL SYSTEM MOVE IN FROM THE SOUTHWEST WHILE A MINOR LOW (996MB) DEVELOPED AND MOVED UP ACROSS SOUTHERN IRELAND. A PRIMARY LOW (988MB) WAS SLOW-MOVING AT 55N/15W.

ON THE 12TH THE LOW (978MB) - (STORM 'NOA') SHANNON AIRPORT DEEPEMED AND PUSHED IT'S BENT-BACKED OCCLUSION DOWN ACROSS SW ENGLAND.

ON THE 13TH A SHOWERY WESTERLY AIRSTREAM PREVAILED WHILE A LOW (993MB), (EX-STORM 'NOA') IN THE NORTH SEA FILLED UP AND LOST IT'S IDENTITY.

THE 14TH SAW A LOW (994MB) WEST CORNWALL AND IT'S OCCLUSION MOVE AWAY INTO NORTHERN FRANCE.

ON THE 15TH A 'COL' AREA, FOLLOWED BY A WEAK RIDGE, SLOWLY GAVE WAY TO A WEAK WARM FRONT MOVING UP FROM THE SOUTHWEST BEFORE DYING OUT AND BREAKING UP LATE-EVENING.

THE 17TH SAW A STRONG HIGH (1036MB) SW AND MID-SCANDINAVIA WHICH PUSHED A RIDGE TO AND OVER THE UK AND IRELAND. THIS SITUATION CONTINUED ON THE 18TH AND 19TH.

ON THE 20TH THE HIGH (1036MB) NORTH OF ORKNEY CONTINUED TO EXTEND A RIDGE TO AND OVER THE UK, IRELAND AND BISCAY WHILE A WESTWARD MOVING OCCLUSION BEGAN TO MOVE IN FROM HOLLAND AND DENMARK.

ON THE 21ST THE HIGH (1043MB) RETREATED TO SE GREENLAND AND AN OCCLUSION MOVED WESTWARDS ACROSS WALES.

ON THE 22ND A VERY ACTIVE OCCLUSION MOVED UP FROM THE SOUTH, BEFORE CLEARING LATE IN THE DAY.

THE 23RD SAW A SHOWER TROUGH CLEARING LATE MORNING AS PRESSURE ROSE STEADILY.

ON THE 24TH THERE WAS A SHOWERY W/NW AIRSTREAM.

THE 25TH SAW A WEAK RIDGE OF HIGH PRESSURE.

ON THE 26TH A WEAK OCCLUSION SW OF THE ISLES OF SCILLY SLOWLY MOVED INTO WEST CORNWALL BEFORE CLEARING LATE.

ON THE 27TH AN ACTIVE FRONTAL SYSTEM MOVED UP FROM THE SOUTHWEST BEFORE CLEARING DURING THE EVENING.

ON THE 28TH THERE WAS A SMALL HIGH (1018MB) WEST BRITTANY AND ON THE 29TH THERE WAS A SLACK PRESSURE GRADIENT.

THE 30TH SAW A WEAK OCCLUSION MOVING THROUGH DURING THE EARLY AFTERNOON.

THE MAIN ATLANTIC JET STREAM WAS OVER THE UK ON THE 10TH AND 11TH, THE S.W. OR WEST OF THE BRITISH ISLES.

APRIL TURNED OUT TO BE ANOTHER CHANGEABLE, WETTER AND WARMER MONTH THAN USUAL.

A NUMBER OF THE DAYS SAW CONSIDERABLE AMOUNTS OF RAIN WITH 12.7MM ON THE 13TH, 16.3MM ON THE 21ST, 14.5MM ON THE 22ND AND 18.5MM BEING RECORDED ON THE 27TH.

HAIL OCCURRED ON THE 12TH AT 0914 AND 0945 GMT AND THUNDER WAS OBSERVED TO THE WEST AT 0911 GMT AND 0917 GMT ON THE 27TH.

THE MAXIMUM (MEASURED) WIND GUST WAS 28KT (32 MPH) AT 1324 GMT ON THE 12TH.

THE PREDOMINANT WIND DIRECTION (AT 0900 GMT) WAS EASTERLY, EQUALLY FOLLOWED BY SOUTHWESTERLY AND NORTHWESTERLY.

IT WAS THE WETTEST APRIL HERE SINCE 2012.

THE MEAN TEMPERATURE WAS EQUAL TO APRIL 2020.

THE MONTH ALSO SAW THE LOWEST NUMBER OF AIR FROSTS IN ANY APRIL SINCE 2011 AND THE HIGHEST MEAN MINIMUM TEMPERATURE IN ANY APRIL SINCE 1999.

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