

STITHIANS WEATHER SUMMARY

JULY 2023

HIGHEST MAXIMUM TEMPERATURE	25.7C (14TH)
HIGHEST MINIMUM TEMPERATURE	17.8C (24TH)
LOWEST MAXIMUM TEMPERATURE	15.6C (02ND)
LOWEST MINIMUM TEMPERATURE	02.8C (03RD)
MEAN MAXIMUM TEMPERATURE	20.9C (10YR) 20.7C (35YR) 19.3C
MEAN MINIMUM TEMPERATURE	12.1C (10YR) 12.2C (35YR) 11.8C
MEAN TEMPERATURE FOR MONTH	16.5C (10YR) 16.4C (35YR) 15.5C
MAX DAILY TEMPERATURE RANGE	16.2C (03RD)
MEAN DAILY TEMPERATURE RANGE	08.8C
TOTAL RAINFALL FOR THE MONTH	24.2 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	65.4 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	82.0 MM
MAXIMUM RAINFALL IN 24 HOURS	7.9 MM (19TH)
RAIN DAYS (0.2MM OR MORE)	07
WET DAYS (1.0MM OR MORE)	05
DAYS WITH RAIN INCLUDED	13
DAYS WITH HAIL	00
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00

MAXIMUM ATMOSPHERIC PRESSURE	1024.0 MB (23RD)
MINIMUM ATMOSPHERIC PRESSURE	1007.0 MB (18TH)
MEAN ATMOSPHERIC PRESSURE	1016.8 MB (36YR MEAN) 1017.0 MB
MEAN SW SEA TEMP	
(JULY 1986-2022 AV)	16.1C
10YR RUNNING MEAN SW SEA TEMP	16.8C
MEAN SW SEA TEMP JULY 2023:	16.4C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A COOLER, FRESHER WESTERLY AIRSTREAM COVERED THE UK AND IRELAND.

THE 2ND SAW LITTLE CHANGE. A PRIMARY LOW (987MB) WAS SLOW MOVING OVER SW NORWAY.

ON THE 3RD A SMALL LOW (1004MB) BIRMINGHAM PUSHED A SHOWERY COLD FRONT DOWN ACROSS THE REGION.

THE 4TH SAW A SMALL WAVE LOW COMING UP FROM THE SW WHICH CLEARED DURING THE EVENING, WHILE DEEPENING AT THE SAME TIME.

BY THE 5TH THE LOW (991MB) HAD MOVED TO HOLLAND AS A SHOWERY WESTERLY AIRSTREAM ARRIVED.

ON THE 6TH THERE WAS A LOW (995MB) TO THE WEST OF IRELAND WITH A WEAK RIDGE OVER SW AND S ENGLAND.

ON THE 7TH A LOW (986MB) NW OF IRELAND LINKED TO A LOW (991MB) IN THE SOUTHWEST APPROACHES BROUGHT UP A WARM, HUMID SE AIRSTREAM BEFORE AN EASTWARD MOVING COLD FRONT CLEARED OVERNIGHT.

ON THE 8TH A WARM, HUMID SW AIRSTREAM PERSISTED AS A LOW (988MB) AT 55N/20W DRIFTED SOUTHWESTWARDS.

BY THE 9TH THE LOW (995MB) HAD MOVED TO 52.5N/25W AS A SHOWERY SOUTHWESTERLY AIRSTREAM PERSISTED.

ON THE 10TH A SHOWERY OCCLUSION CLEARED MID MORNING BEFORE A WAVE LOW (1012MB) ARRIVED DURING THE EVENING.

BY THE 11TH THE LOW (1000MB) HAD MOVED TO ABERDEEN WHICH EXTENDED AN OCCLUSION AND AN ISOBARIC TROUGH FROM THE CENTRE TO THE WEST OF THE ISLES OF SCILLY.

THE 12TH SAW A SHOWERY SW/W AIRSTREAM WHICH CONTINUED ON THE 13TH.

ON THE 14TH AN ACTIVE, DEEPENING LOW (995MB) MOVED UP FROM THE SW WITH THE COLD FRONT CLEARING MID AFTERNOON.

THE 15TH SAW THE LOW (984MB) OVER NW IRELAND WITH A SHOWERY SW AIRSTREAM WHICH SITUATION PERSISTED ON THE 16TH AS THE LOW (985MB) MOVED INTO THE NORTHERN NORTH SEA.

ON THE 17TH THERE WAS A RIDGE OF HIGH PRESSURE.

ON THE 18TH A WEAK FRONTAL SYSTEM MOVED UP FROM THE SOUTHWEST BEFORE CLEARING LATE AFTERNOON.

ON THE 19TH A WESTERLY AIRSTREAM CAME IN BEFORE A WEAK RIDGE ARRIVED ON THE 20TH. THIS PERSISTED ON THE 21ST BEFORE A FRONTAL SYSTEM ARRIVED FOR THE 22ND.

ON THE 23RD A LOW (996MB) WAS OVER NE ENGLAND AS A MOIST, SHOWERY SE AIRSTREAM AFFECTED THE REGION.

THE 24TH SAW AN OCCLUSION SLOWLY MOVING AWAY TO THE SE AND ON THE 25TH THERE WAS A WEAK HIGH PRESSURE RIDGE.

ON THE 26TH A LOW (988MB) AT 57N/22W PUSHED A FRONTAL SYSTEM IN FROM THE WEST.

ON THE 27TH A VERY MILD, MOIST SW AIRSTREAM PERSISTED.

THE 28TH SAW A COLD FRONT SLOWLY CLEARING AS THE PRIMARY LOW (983MB) AT 55N/16W MOVED SLOWLY EASTWARDS.

ON THE 29TH A WEAK OCCLUSION CLEARED EARLY LEAVING A SLIGHTLY SHOWERY SW AIRSTREAM AS THE PRIMARY LOW (986MB) PERSISTED AT 56N/10W.

ON THE 30TH A WARM FRONT MOVED UP FROM THE SW AND A COLD FRONT LINGERED ON THE 31ST BEFORE A WARM FRONT RETURNED FROM THE SOUTHWEST.

THE MAIN ATLANTIC JET STREAM WAS MAINLY TO THE WEST, SOUTHWEST OR OVER THE BRITISH ISLES.

JULY WAS A COMPLETELY DIFFERENT MONTH TO JUNE! IT TURNED OUT TO BE THE WETTEST JULY HERE SINCE 2009 AND THERE WERE THE MOST DAYS WITH RAIN RECORDED IN ANY JULY, AGAIN SINCE 2009.

THE MEAN MINIMUM TEMPERATURE IS A NEW RECORD HIGHEST FOR ANY JULY HERE. THE MEAN MONTHLY PRESSURE WAS ALSO THE LOWEST EVER RECORDED IN ANY JULY. THE MEAN TEMPERATURES WERE SLIGHTLY ABOVE THE LONG TERM AVERAGE AND SLIGHTLY BELOW AVERAGE COMPARED TO THE RUNNING 10 YEAR MEANS.

THERE WERE ONLY FOUR COMPLETELY DRY DAYS WHILE THE HEAVIEST FALLS OF RAIN WERE 18.8MM ON THE 10TH, 25.5MM ON THE 13TH, 23.3MM ON THE 22ND AND 17.1MM ON THE 26TH.

THE MAIN WIND DIRECTION WAS SOUTHWESTERLY, FOLLOWED BY WESTERLY. THE MAXIMUM (MEASURED) WIND GUST FOR THE MONTH WAS 18KT (20 MPH) ON THE 15TH.

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