

STITHIANS WEATHER SUMMARY

AUGUST 2023

HIGHEST MAXIMUM TEMPERATURE	23.0C (10TH)
HIGHEST MINIMUM TEMPERATURE	16.6C (18TH)
LOWEST MAXIMUM TEMPERATURE	16.4C (27TH)
LOWEST MINIMUM TEMPERATURE	07.5C (16TH)
MEAN MAXIMUM TEMPERATURE	19.3C (10YR) 19.6C (35YR) 19.1C
MEAN MINIMUM TEMPERATURE	13.5C (10YR) 11.9C (35YR) 11.8C
MEAN TEMPERATURE FOR MONTH	16.4C (10YR) 15.7C (35YR) 15.4C
MAX DAILY TEMPERATURE RANGE	14.4C (16TH)
MEAN DAILY TEMPERATURE RANGE	06.1C
TOTAL RAINFALL FOR THE MONTH	133.3 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	108.5 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	96.9 MM
MAXIMUM RAINFALL IN 24 HOURS	27.5 MM (01ST)
RAIN DAYS (0.2MM OR MORE)	22
WET DAYS (1.0MM OR MORE)	16
DAYS WITH RAIN INCLUDED	26
DAYS WITH HAIL	00
DAYS WITH THUNDER	01
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00

MAXIMUM ATMOSPHERIC PRESSURE	1023.0 MB (06TH & 20TH)
MINIMUM ATMOSPHERIC PRESSURE	984.0 MB (02ND)
MEAN ATMOSPHERIC PRESSURE	1013.5 MB (36YR MEAN) 1016.6 MB
MEAN SW SEA TEMP (AUGUST 1986-2022 AV)	17.1C
10YR RUNNING MEAN SW SEA TEMP	17.3C
MEAN SW SEA TEMP AUGUST 2023:	17.1C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A SHOWER TROUGH CLEARED THROUGH BEFORE AN ACTIVE FRONTAL SYSTEM ARRIVED IN THE LATE AFTERNOON.

ON THE 2ND A VIGOROUS LOW (982MB) MOVED EASTWARDS TO THE SOUTH OF IRELAND, QUICKLY TRANSFERRING TO THE MID NORTH SEA (984MB) BY MID EVENING AS A SHOWERY W/NW AIRSTREAM MOVED IN BEHIND IT.

BY THE 3RD THE LOW (989MB) HAD MOVED TO THE BALTIC AS A SHOWERY NW AIRSTREAM CONTINUED.

ON THE 4TH THERE WAS A RIDGE OF HIGH PRESSURE.

THE 5TH SAW A LOW (1001MB) STORM 'ANTONI' OVER BRISTOL.

ON THE 6TH THERE WAS A SLIGHTLY SHOWERY W/NW AIRSTREAM AND THE 7TH SAW A RIDGE OF HIGH PRESSURE (FROM A HIGH (1024MB) WEST BISCAY) BEFORE A MINOR WARM FRONT MOVED THROUGH LATER.

ON THE 8TH A NEW FRONTAL SYSTEM ARRIVED BEFORE CLEARING LATE.

THE 9TH SAW A WEAK WARM FRONT MOVING NORTHEASTWARDS.

ON THE 10TH THERE WAS A VERY WARM, MOIST SE AIRSTREAM.

THE 11TH SAW A LOW (989MB) WEST OF IRELAND WITH A MILD SOUTHWESTERLY AIRSTREAM.

THE 12TH SAW LITTLE CHANGE IN THIS SITUATION.

ON THE 13TH A FRONTAL SYSTEM ARRIVED FROM THE SW WHICH CLEARED EARLY ON THE 14TH AS PRESSURE ROSE SLOWLY AND A WESTERLY AIRSTREAM ARRIVED.

A WEAK RIDGE OF HIGH PRESSURE OCCURRED ON THE 15TH WHICH CONTINUED ON THE 16TH.

ON THE 17TH THE HIGH (1029MB) NORTH OF SHETLAND RETREATED AS THE SE GRADIENT INCREASED.

THE 18TH SAW AN ACTIVE FRONTAL SYSTEM MOVE UP FROM THE SOUTHWEST, WITH THE COLD FRONT CLEARING DURING THE EVENING.

ON THE 19TH 'STORM BETTY' (LOW 989MB) WAS CENTERED JUST WEST OF THE WESTERN ISLES AS A SW AIRSTREAM MOVED IN.

BY THE 20TH THERE WAS A RIDGE OF HIGH PRESSURE FROM A HIGH (1024MB) OVER S BRITTANY.

THE 21ST SAW LITTLE CHANGE BEFORE A SHOWER TROUGH PASSED THROUGH DURING THE EVENING.

THE 22ND SAW A RIDGE OF HIGH PRESSURE FROM A HIGH (1023MB) OVER W BRITTANY.

ON THE 23RD THE HIGH (1021MB) HOLLAND MOVED AWAY AS PRESSURE FELL SLOWLY.

ON THE 24TH A WEAK COLD FRONT CLEARED EARLY, LEAVING A SLIGHTLY SHOWERY W/NW AIRSTREAM.

THE 25TH SAW A SHOWERY OCCLUSION MOVING EASTWARDS, CLEARING DURING THE AFTERNOON.

THE 26TH SAW A SHOWERY NW AIRSTREAM BEFORE A FRONTAL SYSTEM ARRIVED FOR THE 27TH, THEN CLEARING DURING THE EVENING.

ON THE 28TH THERE WAS A WEAK RIDGE OF HIGH PRESSURE.

THE 29TH SAW AN OCCLUSION CLEARING THROUGH LATE AFTERNOON.

ON THE 30TH A WEAK RIDGE PREVAILED AND ON THE 31ST A FRONTAL SYSTEM ARRIVED.

THE MAIN ATLANTIC JET STREAM WAS MAINLY TO THE WEST OR SOUTHWEST OF THE BRITISH ISLES BUT WAS OVER THE UK FROM THE 5TH TO THE 9TH AND THE 19TH TO THE 23RD INCLUSIVE.

AUGUST TURNED OUT TO BE CHANGEABLE AND WARMER AND WETTER THAN AVERAGE.

IT WAS THE WETTEST AUGUST SINCE 2020 AND THE MEAN MIN TEMP WAS THE HIGHEST IN ANY AUGUST SINCE 1997.

THE MONTH RECORDED THE LOWEST MIN. PRESSURE IN ANY AUGUST SINCE 1992 AS WELL AS THE HIGHEST MAX/MIN PRESSURE RANGE IN ANY AUGUST SINCE 1992.

DISTANT THUNDER WAS RECORDED AT 0608 GMT ON THE 14TH.

THE MAIN WIND DIRECTION WAS WESTERLY, FOLLOWED BY SOUTHWESTERLY AND THE MAX WIND GUST FOR THE MONTH WAS 24KT (27 MPH) ON THE 5TH.

ON THE SAME DAY, THERE WERE POWER CUTS AND TREES BROUGHT DOWN BY THE WIND RIGHT ACROSS CORNWALL (STORM 'ANTONI'). THE SUMMER AS A WHOLE WAS THE WETTEST SINCE 2020 (AS WERE THE DAYS WITH RAIN ALSO).

THE MEAN MIN. TEMPERATURE WAS A NEW RECORD HIGH FOR ANY SUMMER HERE (THIS IS THE SECOND SEASON IN A ROW THAT THIS HAS NOW HAPPENED!)

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