

STITHIANS WEATHER SUMMARY

SEPTEMBER 2023

HIGHEST MAXIMUM TEMPERATURE	26.8C (08TH)
HIGHEST MINIMUM TEMPERATURE	18.5C (05TH)
LOWEST MAXIMUM TEMPERATURE	15.0C (22ND)
LOWEST MINIMUM TEMPERATURE	04.1C (23RD)
MEAN MAXIMUM TEMPERATURE	20.1C (10YR) 17.4C (35YR) 17.0C
MEAN MINIMUM TEMPERATURE	13.0C (10YR) 10.2C (35YR) 09.9C
MEAN TEMPERATURE FOR MONTH	16.5C (10YR) 13.8C (35YR) 13.4C
MAX DAILY TEMPERATURE RANGE	14.9C (06TH)
MEAN DAILY TEMPERATURE RANGE	07.0C
TOTAL RAINFALL FOR THE MONTH	103.8 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	108.0 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	94.7 MM
MAXIMUM RAINFALL IN 24 HOURS	20.7 MM (17TH)
RAIN DAYS (0.2MM OR MORE)	18
WET DAYS (1.0MM OR MORE)	13
DAYS WITH RAIN INCLUDED	21
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	1025.0 MB (03RD)
MINIMUM ATMOSPHERIC PRESSURE	994.0 MB (20TH & 21ST)
MEAN ATMOSPHERIC PRESSURE	1012.8 MB (36YR MEAN) 1016.9 MB
MEAN SW SEA TEMP (SEPTEMBER 1986-2022 AV)	16.2C
10YR RUNNING MEAN SW SEA TEMP	16.3C
MEAN SW SEA TEMP SEPTEMBER 2023:	17.0C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A SLACK AREA OF LOW PRESSURE COVERED THE UK AND IRELAND, WHILST A LOW (1006MB) WAS SLOW MOVING SW OF KERRY.

THE 2ND SAW A RIDGE OF HIGH PRESSURE (FROM A HIGH 1025MB NE OF AZORES) ACROSS THE UK AND IRELAND.

BY THE 3RD, A HIGH (1027MB) HAD FORMED OVER HOLLAND WHICH EXTENDED A RIDGE TO AND OVER THE UK AND THE SOUTHWEST APPROACHES.

ON THE 4TH THE HIGH (1029MB) HAD RETREATED TO GERMANY WHILST MAINTAINING A WEAKENING RIDGE TO THE UK AND IRELAND. A LOW (1003MB) WAS SLOW MOVING SW PORTUGAL.

THERE WAS LITTLE CHANGE ON THE 5TH. THE 6TH SAW A VERY WEAK RIDGE, WITH LITTLE CHANGE ON THE 7TH. A HIGH (1031MB) WAS OVER THE EASTERN BALTIC AND A LOW (996MB) WAS SLOW MOVING AT 47N/15W.

ON THE 8TH A SHOWER TROUGH SLOWLY MOVED UP FROM THE SOUTH.

ON THE 9TH A FLABBY AREA OF LOW PRESSURE PREVAILED OVER UK AND IRELAND.

THE 10TH SAW A THUNDERY SHOWER TROUGH CLEARING EARLY , LEAVING IT DRY FOR THE REMAINDER OF THE DAY.

ON THE 11TH THERE WAS A HUMID SW AIRSTREAM.

THE 12TH SAW A COLD FRONT CLEARING EARLY, LEAVING IN A COOLER NW AIRSTREAM.

ON THE 13TH THERE WAS A HIGH PRESSURE RIDGE AND LITTLE CHANGE ON THE 14TH.

ON THE 15TH A MOIST SE AIRSTREAM AND A SLACK AREA OF LOW PRESSURE PREVAILED.

ON THE 16TH THERE WAS LITTLE CHANGE AS A LOW (1001MB) PERSISTED AT 42.5N/11W. A SHOWER TROUGH ARRIVED MID-AFTERNOON.

THE 17TH SAW A THUNDERY SHOWER TROUGH COMING UP FROM THE SOUTH, QUICKLY FOLLOWED BY A NORTHWARD MOVING COLD FRONT AS A LOW (1003MB) DEVELOPED OVER THE ISLES OF SCILLY DURING THE EVENING.

ON THE 18TH A COLD FRONT CLEARED IN THE EARLY HOURS LEAVING A BRISK W/NW AIRSTREAM IN IT'S WAKE.

THE 19TH SAW A MOIST SW AIRSTREAM AND A BROAD WARM SECTOR.

ON THE 20TH A LOW 975MB (EX-HURRICANE 'LEE') MOVED EASTWARDS TO THE WEST OF GALWAY AS THE ACTIVE COLD FRONT CLEARED EASTWARDS DURING THE AFTERNOON.

ON THE 21ST THE LOW (974MB) ORKNEY PRODUCED A SHOWERY WESTERLY AIRSTREAM. THIS SITUATION CONTINUED ON THE 22ND AS WINDS VEERED NORTHWESTERLY.

ON THE 23RD A WEAK RIDGE OF HIGH PRESSURE PREVAILED BEFORE A FRONTAL SYSTEM MOVED IN DURING THE EVENING.

ON THE 24TH THERE WAS A WARM SECTOR BEFORE A DOUBLE COLD FRONT CLEARED LATE EVENING.

A VERY MILD SW AIRSTREAM ARRIVED ON THE 25TH, WITH A WAVE LOW MOVING THROUGH LATER.

ON THE 26TH A COLD FRONT CLEARED EARLY AS A SSW AIRSTREAM ARRIVED.

ON THE 27TH A LOW (970MB) STORM, 'AGNES', MOVED NE TO THE SW OF IRELAND AT 0600 GMT AND BY 1200 GMT IT WAS 974MB AT 52N/11W. AT 1800 GMT IT WAS 982MB AT 53N/07W.

THE 28TH SAW A WEAK RIDGE OF HIGH PRESSURE BEFORE A FRONTAL SYSTEM ARRIVED FROM THE SW LATER IN THE DAY.

ON THE 29TH THERE WAS A RIDGE OF HIGH PRESSURE.

THE 30TH SAW A WEAK FRONTAL SYSTEM EDGING UP FROM THE SOUTHWEST.

THE MAIN ATLANTIC JET STREAM VARIED WIDELY, BUT WAS GENERALLY EITHER OVER THE UK OR TO THE WEST OR SOUTHWEST OF THE BRITISH ISLES.

THE MONTH ITSELF WAS, BY FAR, THE WARMEST SEPTEMBER EVER RECORDED HERE. THE HIGHEST MAX. TEMPERATURE AND THE HIGHEST MIN. TEMPERATURE WERE ALSO RECORD 'HIGH'S' FOR THE MONTH.

MEANWHILE, TOTAL RAINFALL WAS VERY CLOSE TO NORMAL. THE FIRST WEEK WAS DRY, THEREAFTER SLOWLY BECOMING MORE UNSETTLED AND A LITTLE COOLER, BUT WITH TEMPERATURES STILL REMAINING LARGELY ABOVE AVERAGE.

THE LARGEST 24HR RAINFALL TOTALS WERE 20.7MM ON THE 17TH, 17.8MM ON THE 19TH, 12.2MM ON THE 21ST AND 15.4MM ON THE 23RD.

ON THE 10TH THERE WAS DISTANT THUNDER AT 0125 GMT TO THE NE AND AT 0630 GMT FURTHER THUNDER WAS RECORDED TO THE WEST.

FALMOUTH SAW POWER CUTS WITH OVER 1000 HOMES WITHOUT ELECTRICITY.

FLOODING ALSO OCCURRED IN TRURO DURING THE 17TH.

STORM 'AGNES' ON THE 27TH BROUGHT THE MAXIMUM WIND GUST FOR THE MONTH OF 19KT (21 MPH). AND THE PREDOMINANT 0900 GMT

WIND DIRECTION WAS EASTERLY, EQUALLY FOLLOWED BY SOUTHEASTERLY, SOUTHWESTERLY, WESTERLY AND NORTHWESTERLY.

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