

# STITHIANS WEATHER SUMMARY

## AUGUST 2024

HIGHEST MAXIMUM TEMPERATURE	22.9C (02ND)
HIGHEST MINIMUM TEMPERATURE	17.6C (11TH)
LOWEST MAXIMUM TEMPERATURE	16.8C (24TH)
LOWEST MINIMUM TEMPERATURE	05.7C (30TH)
MEAN MAXIMUM TEMPERATURE	19.9C (10YR) 19.5C (36YR) 19.1C
MEAN MINIMUM TEMPERATURE	13.0C (10YR) 12.0C (36YR) 11.8C
MEAN TEMPERATURE FOR MONTH	16.4C (10YR) 15.4C (36YR) 15.6C
MAX DAILY TEMPERATURE RANGE	14.1C (30TH)
MEAN DAILY TEMPERATURE RANGE	06.0C
TOTAL RAINFALL FOR THE MONTH	55.4 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	110.7 MM
TOTAL RAINFALL (36 YRS LONG TERM AV)	97.9 MM
MAXIMUM RAINFALL IN 24 HOURS	10.4 MM (19TH)
RAIN DAYS (0.2MM OR MORE)	22
WET DAYS (1.0MM OR MORE)	12
DAYS WITH RAIN INCLUDED	22
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	1022.0 MB (30TH)
MINIMUM ATMOSPHERIC PRESSURE	999.0 MB (23RD)
MEAN ATMOSPHERIC PRESSURE	1013.6 MB (37YR MEAN) 1016.5 MB
MEAN SW SEA TEMP	
AUGUST 1986-2023 AV)	17.1C
10YR RUNNING MEAN SW SEA TEMP	17.2C
MEAN SW SEA TEMP AUGUST 2024:	17.2C

### NOTES

SYNOPTIC SITUATION: ON 1ST THERE WAS A WEAK RIDGE OF HIGH PRESSURE. THE 2ND SAW A HUMID & WARM S.W. AIRSTREAM BEFORE A COLD FRONT MOVED IN FROM THE WEST LATE IN THE DAY. ON 3RD A WEAK COLD FRONT CLEARED EARLY AS A WEAK RIDGE OF HIGH PRESSURE MOVED IN. THERE WAS LITTLE CHANGE AS THE WEAK RIDGE PERSISTED AS FRONTAL SYSTEMS MOVED N.E. ACROSS IRELAND ON 4TH. ON 5TH A BROAD WARM SECTOR PREVAILED BEFORE A COLD FRONT CLEARED OVERNIGHT. ON 6TH THERE WAS A VERY WEAK RIDGE & THIS PERSISTED ON 7TH. THE 8TH SAW WARM FRONTS MOVING UP FROM THE S.W. BEING FOLLOWED BY A BROAD WARM SECTOR BEFORE THE COLD FRONT CLEARED OVERNIGHT. ON 9TH THERE WAS A WEAK RIDGE. ON 10TH A WAVING WEAK COLD FRONT WAS SLOW MOVING OVER THE REGION. THIS LATER MOVED AWAY NORTHWARDS. ON 11TH A HUMID S.E. AIRSTREAM ARRIVED. THE 12TH SAW A WEAK COLD FRONT CLEARING EASTWARDS, BEING FOLLOWED BY A VERY WEAK RIDGE. THIS COLLAPSED OVERNIGHT AS AN OCCLUSION ARRIVED FROM THE WEST. A LOW (989MB) PERSISTED NEAR THE WESTERN ISLES. THE OCCLUSION CLEARED OVERNIGHT AS A WEAK RIDGE ARRIVED DURING THE 14TH. ON 15TH ANOTHER OCCLUSION MOVED EASTWARDS & CLEARED LATE-EVENING. THE 16TH SAW A WEAK RIDGE. THERE WAS LITTLE CHANGE ON 17TH, EXCEPTING THAT A VERY WEAK OCCLUSION ARRIVED. ON 18TH ANOTHER WEAK OCCLUSION ARRIVED WHILST EMBEDDED WITHIN A WEAK RIDGE. ON 19TH A LOW (996MB) S.W. OF GALWAY PUSHED A FRONTAL SYSTEM UP ACROSS THE REGION, WITH THE COLD FRONT CLEARING OVERNIGHT. ON 20TH THERE

WAS A SLIGHTLY SHOWERY WESTERLY AIRSTREAM & THIS CONTINUED ON 21ST AS PRESSURE ROSE AND A WARM SECTOR ARRIVED. THE 22ND SAW A COLD FRONT CLEARING AROUND MIDDAY. ON 23RD THERE WAS A WESTERLY AIRSTREAM AS STORM 'LILIAN' MOVED ACROSS SOUTHERN SCOTLAND & WAS 981MB IN THE NORTH SEA BY 1200 G.M.T. THE 24TH SAW A COLD FRONT CLEARING EARLY MORNING AS A SHOWERY WEST TO NORTHWESTERLY AIRSTREAM ARRIVED. THERE WAS LITTLE CHANGE ON 25TH. THE 26TH SAW A SOUTHWESTERLY AIRSTREAM AND A VERY WEAK RIDGE. ON 27TH A COLD FRONT EDGED IN FROM THE WEST AS A RIDGE IN THE EASTERN ENGLISH CHANNEL DECLINED. THE 28TH SAW A WEAK COLD FRONT MOVING AWAY TO THE EAST & CLEARING. ON 29TH THERE WAS A WEAK RIDGE (FROM HIGH 1026MB N.E. OF AZORES). BY 30TH A HIGH (1026MB) HAD FORMED OVER THE ISLE OF MAN. THE 31ST SAW THE HIGH (1031MB) DRIFT TO THE NORTHERN NORTH SEA AS IT CONTINUED TO EXTEND A WEAKENING RIDGE TO & OVER THE U.K. & IRELAND. THE MAIN ATLANTIC JET STREAM STRENGTHENED DURING AUGUST & IT WAS MOSTLY EITHER TO THE NORTHWEST OR WEST, OR OVER THE U.K. WEATHERWISE, AUGUST WAS ANOTHER DISAPPOINTING MONTH WITH LITTLE IN THE WAY OF SUSTAINED HIGH PRESSURE AND A DISTINCT LACK OF VERY WARM DAYS! DESPITE THIS, MEAN TEMPERATURES WERE SLIGHTLY ABOVE NORMAL. THE MONTH SAW EXACTLY THE SAME MEAN TEMPERATURE AS AUGUST 2023. ALTHOUGH THERE WAS STEADY AMOUNTS OF RAIN ON MOST DAYS, TOTAL RAINFALL WAS ONLY HALF OF AVERAGE VALUES. IT WAS THE DRIEST AUGUST RECORDED SINCE 2022. THE PREDOMINANT WIND DIRECTION WAS EQUALLY WESTERLY & SOUTHWESTERLY AND THE MAXIMUM (MEASURED) WIND GUST WAS 17KT (19 M.P.H.) ON THE 23RD. TH MEAN S.W. SEA TEMPERATURE WAS VERY CLOSE TO AVERAGE. THE SUMMER AS A WHOLE WAS THE COOLEST HERE SINCE 2020 & IT WAS ALSO THE DRIEST SUMMER SINCE 2022.

PLEASE NOTE THAT WE HAVE A VERY INFORMATIVE AND MUCH MORE DETAILED WEBSITE WHICH CAN BE FOUND AT: [stithiansweather.co.uk](http://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](http://www.wunderground.com)