

# STITHIANS WEATHER SUMMARY

## AUGUST 2022

HIGHEST MAXIMUM TEMPERATURE	31.1C (14th)
HIGHEST MINIMUM TEMPERATURE	18.5C (15th)
LOWEST MAXIMUM TEMPERATURE	18.7C (04th)
LOWEST MINIMUM TEMPERATURE	06.8C (06th)
MEAN MAXIMUM TEMPERATURE	22.7C (10YR) 19.3C (34YR) 19.0C
MEAN MINIMUM TEMPERATURE	12.4C (10YR) 12.0C (34YR) 11.8C
MEAN TEMPERATURE FOR MONTH	17.5C (10YR) 15.6C (34YR) 15.4C
MAX DAILY TEMPERATURE RANGE	19.1C (11th)
MEAN DAILY TEMPERATURE RANGE	10.3C
TOTAL RAINFALL FOR THE MONTH	27.3 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	120.5 MM
TOTAL RAINFALL (34 YRS LONG TERM AV)	99.0 MM
MAXIMUM RAINFALL IN 24 HOURS	7.0 MM (16th)
RAIN DAYS (0.2MM OR MORE)	12
WET DAYS (1.0MM OR MORE)	08
DAYS WITH RAIN INCLUDED	15
DAYS WITH HAIL	00
DAYS WITH THUNDER	02
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00
MAXIMUM ATMOSPHERIC PRESSURE	1031.0 MB (06th)

MINIMUM ATMOSPHERIC PRESSURE	1003.0 MB (15th)
MEAN ATMOSPHERIC PRESSURE	1018.8 MB (34YR MEAN) 1016.5 MB
MEAN SW SEA TEMP (AUGUST 1986-2021 AV)	17.1C
10YR RUNNING MEAN SW SEA TEMP (AUGUST 2012-2021)	17.2C
MEAN SW SEA TEMP AUGUST 2022:	18.3C

### NOTES

SYNOPTIC SITUATION: ON THE 1ST A WARM FRONT EDGED UP FROM THE SW AS A WEAK RIDGE PERSISTED.

BY THE 2ND THERE WAS A WARM, MOIST SW AIRSTREAM IN A BROAD WARM SECTOR WHILE A LOW (991MB) PERSISTED IN MID-ATLANTIC.

ON THE 3RD A COLD FRONT GRADUALLY MOVED EASTWARDS AND CLEARED.

THE 4TH SAW AN EARLY OCCLUSION MOVING AWAY, BEING FOLLOWED BY A RIDGE OF HIGH PRESSURE.

ON THE 5TH THE HIGH (1031MB) AT 50N/19.5W PUSHED A BUILDING RIDGE TO AND OVER THE UK AND IRELAND.

THE 6TH SAW LITTLE CHANGE AS THE RIDGE PERSISTED AND THE HIGH (1033MB) MOVED EASTWARDS TO 50N/15W.

THERE WAS LITTLE CHANGE ON THE 7TH, 8TH, 9TH, 10TH AND 11TH.

ON THE 12TH THE HIGH (1024MB) DRIFTED TO THE NE OF SHETLAND AS PRESSURE SLOWLY FELL. THIS CONTINUED ON THE 13TH AS A LOW (1011MB) DEVELOPED TO THE WEST OF BISCAY.

BY THE 14TH THE LOW (1006MB) HAD MOVED TO CALAIS AND A SLACK AREA OF LOW PRESSURE (1008MB) COVERED ENGLAND AND IRELAND.

THIS SITUATION PERSISTED ON THE 15TH. ON THE 16TH A SHOWER TROUGH OVER CORNWALL BECAME SLOW MOVING WHILE A LOW (1006MB) PERSISTED TO THE WEST OF BRITTANY.

ON THE 17TH AN OCCLUSION MOVED AWAY SOUTHWARDS DURING THE LATE MORNING.

THE 18TH SAW A WARM FRONT MOVE THROUGH, BEING FOLLOWED BY A WARM SECTOR.

ON THE 19TH A COLD FRONT CLEARED IN THE EARLY HOURS TO BE FOLLOWED BY A WEAK RIDGE OF HIGH PRESSURE WHICH CONTINUED ON THE 22ND. BY THE 23RD THAT HAD CLEARED AS A WAVING COLD FRONT WAS STRUNG OUT TO THE SOUTHWEST OF CORNWALL.

ON THE 24TH A COLD FRONT GRADUALLY CLEARED OVERNIGHT, BEING FOLLOWED BY A RIDGE ON THE 25TH WHICH CONTINUED ON THE 26TH.

BY THE 27TH A HIGH (1022MB) HAD FORMED TO THE EAST OF SCOTLAND AND A RIDGE TO AND OVER ENGLAND, IRELAND AND ICELAND.

BY THE 28TH THE HIGH (1029MB) HAD MOVED TO THE EAST OF ICELAND AS THE RIDGE WAS MAINTAINED.

ON THE 29TH, 30TH AND 31ST THERE WAS LITTLE CHANGE IN THIS SITUATION.

THE MAIN ATLANTIC JET STREAM WAS MAINLY TO THE WEST OR NORTHWEST OR POSITIONED OVER THE BRITISH ISLES.

AUGUST TURNED OUT TO BE ANOTHER UNUSUAL MONTH.

IT WAS VERY WARM WITH THE MAXIMUM TEMPERATURE OF 31.1C ON THE 14TH BEING THE HIGHEST TEMPERATURE EVER RECORDED HERE.

THE MEAN MAX TEMP AND THE MEAN TEMP WERE ALSO THE HIGHEST ON RECORD FOR THE MONTH.

IT WAS THE DRIEST AUGUST HERE SINCE 1995.

THERE WERE DRY SPELLS FROM THE 4TH-14TH AND FROM THE 26TH-31ST.

THUNDERSTORMS OCCURRED ON THE 15TH FROM 1130 GMT TO 1150 GMT (2.5 MLS TO 5.5 MLS TO NE) AND ON THE 16TH FROM 1205 GMT-1210 GMT (DISTANT THUNDER TO NORTH).

THE 15TH SAW FLOODING IN TRURO AND BODMIN AND ON THERE 16TH THERE WAS FLOODING AT NEWQUAY AND WATERGATE BAY.

ON THE 23RD A HOSEPIPE BAN WAS INTRODUCED ACROSS THE WHOLE OF CORNWALL.

STITHIANS RESERVOIR LEVEL ON THE 28TH WAS ONLY 27.2% FULL.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 25KT (28 MPH) ON THE 29<sup>TH</sup>.

THE MAIN WIND DIRECTION WAS EQUALLY SPLIT BETWEEN NORTHEASTERLY AND WESTERLY.

THE SUMMER AS A WHOLE WAS THE WARMEST EVER RECORDED HERE (MEAN TEMPERATURE) AND THE MEAN MAXIMUM TEMP WAS ALSO A NEW RECORD HIGH.

IT WAS THE DRIEST SUMMER SINCE 1995, THE NUMBER OF DAYS WITH RAIN (41 DAYS) WAS ALSO A RECOD LOW.

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)

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

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