

# STITHIANS WEATHER SUMMARY

## SEPTEMBER 2022

HIGHEST MAXIMUM TEMPERATURE	22.1C (02nd)
HIGHEST MINIMUM TEMPERATURE	17.3C (13th)
LOWEST MAXIMUM TEMPERATURE	14.0C (28th)
LOWEST MINIMUM TEMPERATURE	02.7C (18th)
MEAN MAXIMUM TEMPERATURE	18.0C (10YR) 17.3C (34YR) 17.0C
MEAN MINIMUM TEMPERATURE	10.2C (10YR) 10.1C (34YR) 09.9C
MEAN TEMPERATURE FOR MONTH	14.1C (10YR) 13.7C (34YR) 13.4C
MAX DAILY TEMPERATURE RANGE	16.2C (20th)
MEAN DAILY TEMPERATURE RANGE	07.7C
TOTAL RAINFALL FOR THE MONTH	166.7 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	99.5 MM
TOTAL RAINFALL (34 YRS LONG TERM AV)	92.6 MM
MAXIMUM RAINFALL IN 24 HOURS	24.8 MM (27th)
RAIN DAYS (0.2MM OR MORE)	20
WET DAYS (1.0MM OR MORE)	16
DAYS WITH RAIN INCLUDED	20
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	1027.0 MB (19 <sup>th</sup> & 20th)

MINIMUM ATMOSPHERIC PRESSURE	1001.0 MB (30th)
MEAN ATMOSPHERIC PRESSURE	1014.4 MB (34YR MEAN) 1017.0 MB
MEAN SW SEA TEMP (SEPTEMBER 1986-2021 AV)	16.2C
10YR RUNNING MEAN SW SEA TEMP	16.2C
MEAN SW SEA TEMP SEPTEMBER 2022:	17.2C

### NOTES

SYNOPTIC SITUATION: THE 1ST SAW A HIGH (1028MB) N NORTH SEA WITH A RIDGE TO AND OVER THE UK AND IRELAND TO HIGH (1028MB) AT 49N/32W. A SHOWER TROUGH EDGED UP FROM THE SOUTH DURING LATE AFTERNOON AND EVENING.

ON THE 2ND THE SHOWER TROUGH CLEARED IN THE EARLY HOURS. AN (UNUSUAL FOR THE TIME OF YEAR) COLD LOW (1012MB) MOVED SE FROM SE GREENLAND TO BE NEAR THE WESTERN ISLES BY 0600 GMT.

BY THE 3RD, THE LOW (1002MB) WAS JUST WEST OF KERRY AND IT'S WRAPPED AROUND WAVING COLD FRONT WAS APPROACHING THE ISLES OF SCILLY, MOVING SLOWLY EASTWARDS, CLEARED OVERNIGHT.

ON THE 4TH A COMPLEX LOW PRESSURE AREA TO THE WEST AND SOUTHWEST OF IRELAND WAS ALMOST STATIONARY AS A WARM AND HUMID E/SE AIRSTREAM COVERED THE WHOLE OF THE UK AND IRELAND.

THE 5TH SAW A THUNDERY WAVE LOW CLEARING NORTHWARDS AROUND MIDDAY.

ON THE 6TH A SLOW MOVING LOW (987MB) PUSHED SHOWERY OCCLUSIONS UP ACROSS THE REGION.

THE 7TH SAW THE LOW (992MB) SW OF IRELAND AS THE SHOWERY AIRSTREAM PERSISTED.

ON THE 8TH THE LOW (998MB) HAD MOVED TO W WALES AS A SHOWERY WESTERLY AIRSTREAM ARRIVED WHICH CONTINUED ON THE 9TH AS THE LOW (1001MB) MOVED TO NORFOLK.

ON THE 10TH THERE WAS A WEAK RIDGE OF HIGH PRESSURE.

ON THE 11TH A LOW (992MB) AT 42.5N/23W PUSHED A WARM FRONT ACROSS THE REGION. BY THE 12TH THERE WAS A WARM, MOIST E/SE AIRSTREAM. ON THE 13TH A SHOWER TROUGH EDGED NORTHWARDS ACROSS THE REGION.

THE 14TH SAW A COLD FRONT CLEARING AWAY TO THE SOUTH EARLY IN THE DAY.

ON THE 5TH A HIGH (1022MB) WEST OF IRELAND BROUGHT DOWN A COOL NW/N AIRSTREAM. BY THE 16TH THE HIGH (1028MB) HAD INTENSIFIED TO THE NW OF IRELAND AS THE COOL NW/N AIRSTREAM CONTINUED.

ON THE 17TH THE DOMINATING AND BLOCKING HIGH (1027MB) WAS OVER LIMERICK WHICH SITUATION PERSISTED ON THE 18TH, BEFORE THE HIGH (1026MB) MOVED TO CORK BY THE 19TH.

THERE WAS LITTLE CHANGE ON THE 20TH AND 21<sup>st</sup> AS THE HIGH (1027MB) DRIFTED TO THE SOUTH OF FALMOUTH BEFORE MOVING TO HOLLAND (1027MB) WHILE MAINTAINING A RIDGE TO ENGLAND AND NW BISCAY.

ON THE 22ND PRESSURE FELL AWAY AS A COLD FRONT MOVED SOUTHEASTWARDS WHICH CLEARED OVERNIGHT.

THE 23RD SAW A SLIGHTLY SHOWERY NW AIRSTREAM WHICH CONTINUED ON THE 4TH.

ON THE 25TH A HIGH (1035MB) MID-ATLANTIC EXTENDED A RIDGE TO AND OVER ENGLAND AND IRELAND.

THE 26TH SAW A COLD FRONT MOVING SE AND CLEARING EARLY MORNING, BEING FOLLOWED BY A COOL W/NW AIRSTREAM.

ON THE 27TH A WARM FRONT EDGED IN FROM THE WEST BEFORE CLEARING AS A COLD FRONT OVERNIGHT. THE 28TH SAW A COOL, SHOWERY W/NW AIRSTREAM RETURNING.

ON THE 29TH A LOW (999MB) HOLLAND PUSHED A SHOWERY OCCLUSION DOWN ACROSS THE REGION, CLEARING IN THE MORNING.

ON THE 30TH A LOW (967MB) S ICELAND BROUGHT A FRONTAL SYSTEM IN FROM THE WEST BEFORE CLEARING IN THE LATE AFTERNOON.

THE MAIN ATLANTIC JET STREAM BECAME MORE ORGANISED AND GENERALLY STRONGER AS THE MONTH PROGRESSED.

APART FROM A DRY SPELL FROM THE 14TH-21ST INCLUSIVE, SEPTEMBER WAS GENERALLY A LOT MORE UNSETTLED AND MUCH WETTER THAN AUGUST.

MEAN TEMPERATURES WERE SLIGHTLY ABOVE AVERAGE FOR THE MONTH AND IT TURNED OUT TO BE THE WETTEST SEPTEMBER SINCE 2017.

THUNDER OCCURRED ON THE 5TH BETWEEN 1205 GMT AND 1240 GMT AS THE STORM MOVED FROM SOUTH TO NORTH.

THERE WERE TWO BRIEF POWER CUTS AT 1225 GMT.

THERE WAS THUNDER ON THE 6TH AT 0914 GMT.

THE 13TH SAW THE WARMEST NIGHT IN ANY SEPTEMBER HERE SINCE 2006.

THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 30KT (34 MPH) DURING THE LATE EVENING OF THE 4<sup>TH</sup>.

THE PREDOMINANT WIND DIRECTION WAS NORTHWESTERLY.

THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST IN ANY SEPTEMBER SINCE 2005.

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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