

# STITHIANS WEATHER SUMMARY

## AUGUST 2020

HIGHEST MAXIMUM TEMPERATURE	25.1C (07th)
HIGHEST MINIMUM TEMPERATURE	17.7C (13th)
LOWEST MAXIMUM TEMPERATURE	15.9C (29th)
LOWEST MINIMUM TEMPERATURE	03.3C (31st)
MEAN MAXIMUM TEMPERATURE	19.9C (10YR) 19.1C (32YR) 19.0C
MEAN MINIMUM TEMPERATURE	13.3C (10YR) 11.7C (32YR) 11.7C
MEAN TEMPERATURE FOR MONTH	16.6C (10YR) 15.4C (32YR) 15.3C
MAX DAILY TEMPERATURE RANGE	15.6C (30th)
MEAN DAILY TEMPERATURE RANGE	06.6C
TOTAL RAINFALL FOR THE MONTH	151.2MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	117.0MM
TOTAL RAINFALL (32 YRS LONG TERM AV)	99.0MM
MAXIMUM RAINFALL IN 24 HOURS	39.4MM (27th)
RAIN DAYS (0.2MM OR MORE)	18
WET DAYS (1.0MM OR MORE)	14
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	1023.0 MB (08th)
MINIMUM ATMOSPHERIC PRESSURE	992.0 MB (19th)
MEAN ATMOSPHERIC PRESSURE	1013.0 MB (32YR MEAN) 1016.6 MB
MEAN SW SEA TEMP (AUG 1986-2019 AV)	17.1C
10YR RUNNING MEAN SW SEA TEMP	(AUG 2010-2019) 17.0C
MEAN SW SEA TEMP AUGUST 2020:	17.3C

### **NOTES**

SYNOPTIC SITUATION: ON THE 1ST FOLLOWING THE CLEARANCE OF A WEAK OCCLUSION, A RIDGE OF HIGH PRESSURE ARRIVED.

BY THE 2ND A VERY WEAK RIDGE PERSISTED AND ON THE 3RD THE RIDGE STRENGTHENED SLIGHTLY.

BY 4TH PRESSURE HAD DECLINED AS A WEAK WARM FRONT EDGED IN BY EARLY AFTERNOON AND ON THE 5TH A WEAK WARM SECTOR PERSISTED.

BY THE 6TH THERE WAS A WEAK WARM FRONT INTO THE WESTERN ENGLISH CHANNEL AND ON THE 7TH THERE WAS A COOL AREA OF SLACK LOW PRESSURE BEFORE A WEAKENING COLD FRONT PASSED THROUGH OVERNIGHT.

ON THE 8TH THERE WAS A WEAK RIDGE WHICH PERSISTED ON THE 9TH.

BY THE 10TH PRESSURE HAD FALLEN AS THE HIGH (1028MB) RETREATED TO NW NORWAY AND AN ISOBARIC TROUGH DEVELOPED OVER ENGLAND AND WALES. THIS CONTINUED ON THE 11TH AS A LOW (1018MB) FORMED SW OF IRELAND AND PRESSURE FELL OVER FRANCE.

BY THE 12TH A LOW (1011MB) WAS OVER N FRANCE WHICH EXTENDED AN ISOBARIC TROUGH TO ENGLAND AND SOUTHERN IRELAND. THIS CONTINUED ON THE 13TH AS A FLABBY AREA OF LOW PRESSURE PERSISTED.

ON THE 15TH LOW PRESSURE CONTINUED. (LOW 1012MB NW OF SANTANDER WITH A WEAK COLD FRONT LYING FROM DARTMOOR TO THE MID-ENGLISH CHANNEL).

THE 16TH SAW A LOW (1010MB) W BRITTANY WITH AN OCCLUSION FROM THE CENTRE TO PLYMOUTH TO ISLE OF WIGHT TO NW FRANCE WHICH CLEARED DURING THE EVENING.

ON THE 17TH A COLD FRONT MOVED UP FROM THE SW AS A LOW (1006MB) LINGERED OVER NE ENGLAND.

ON THE 18TH THERE WAS A WARM, HUMID AND SHOWERY SW AIRSTREAM AS A NEW LOW (1003MB) DEVELOPED AT 45N/13W WHICH MOVED NE TO THE WEST OF THE ISLES OF SCILLY (993MB) WITH IT'S ASSOCIATED FRONTAL SYSTEM CLEARING DURING THE EARLY HOURS OF THE 19TH.

A NEW FRONTAL SYSTEM ARRIVED DURING THE EVENING WHICH CLEARED OVERNIGHT.

ON THE 20TH EX-TROPICAL STORM 'ELLEN' WAS AT 56N/10W WHICH BROUGHT STRONG TO GALE FORCE S/SW WINDS TO MUCH OF THE UK.

BY THE 21ST 'ELLEN' HAD MOVED TO N IRELAND AS AN OCCLUSION CLEARED IN THE EARLY HOURS.

THE BRISK SOUTHERLY WINDS CONTINUED AND ON THE 22ND A SLIGHTLY SHOWERY SW AIRSTREAM PREVAILED BEFORE A MODERATE WESTERLY ARRIVED FOR THE 23RD.

ON THE 24TH A WEAK FRONTAL SYSTEM, COMBINED WITH A WEAK RIDGE MOVED THROUGH. DURING THE EVENING AN ACTIVE FRONTAL SYSTEM CAME IN.

ON THE 25TH STORM 'FRANCIS' (979MB) NEAR TO SW GALWAY PUSHED IT'S COLD FRONT EASTWARDS, CLEARING SW CORNWALL AT 0600 GMT, IN TURN BEING FOLLOWED BY A STRONG SW/W AIRSTREAM.

BY THE 26TH THE LOW (989MB) 'FRANCIS' HAD MOVED TO DENMARK AS A TRANSIENT RIDGE MOVED IN FROM THE WEST.

ON THE 27TH A SMALL LOW (1009MB) MOVED UP ACROSS CORNWALL. BY THE 28TH THE COMPLEX LOW (999MB) HAD MOVED TO EASTERN ENGLAND AS A SHOWERY NW AIRSTREAM SPREAD IN.

A HIGH (1025MB) WAS FORMING IN THE MID-ATLANTIC. ON THE 29TH THE HIGH (1027MB) WAS AT 52.5N/18W BRINGING A COOL NORTHERLY FLOW TO ALL AREAS.

THIS SITUATION CONTINUED ON THE 30TH AND 31ST AS THE HIGH (1023MB) MOVED TO NE ENGLAND & WINDS BECAME SOUTHWESTERLY.

THE MAIN ATLANTIC JET STREAM WAS TO THE NW OF THE UK ON THE 4TH AND 10TH-16TH. IT WAS TO THE WEST ON THE 5TH-7TH AND 31ST.

IT WAS OVER THE UK ON THE 3RD, 20TH-22ND, 24TH - 27TH & 30TH. IT WAS TO THE SW ON THE 1ST, 2ND, 8TH-9TH, 17TH-19TH AND 23RD.

IT WAS TO THE SOUTH ON THE 28TH AND 29TH.

IT WAS FRAGMENTED FROM THE 9TH-14TH INCLUSIVE.

APART FROM THE 18TH WHEN 23.0MM OF RAIN FELL, THE FIRST THREE WEEKS OF AUGUST SAW ONLY SMALL AMOUNTS OF RAINFALL. AFTER THIS SOME HEAVIER FALLS OCCURRED.

SUNSHINE AMOUNTS WERE VARIED AND AGAIN, MANY OF THE NIGHTS HAD ABOVE AVERAGE TEMPERATURES.

DISTANT THUNDER WAS OBSERVED AT 2305 GMT ON THE 20TH AND IT WAS ALSO ON THIS DAY IN THE LATE EVENING THAT THE MAX (ESTIMATED) WIND GUST OF 36KT (41MPH) FOR THE MONTH OCCURRED.

THE PREDOMINANT WIND DIRECTION FOR AUGUST WAS WESTERLY.

IT EVENTUALLY TURNED OUT TO BE THE WETTEST AUGUST HERE SINCE 2015.

THE MEAN MAX TEMP WAS THE HIGHEST FOR AUGUST SINCE 2013.

THE MEAN MIN TEMP WAS THE HIGHEST IN AUGUST SINCE 1997 (AND EQUAL TO 2003).

THE HIGHEST MIN TEMP WAS THE HIGHEST IN AUGUST SINCE 2003.

THE MEAN DAILY TEMP RANGE WAS THE LOWEST IN AUGUST SINCE 2012.  
THE SUMMER IN GENERAL WAS THE WETTEST SINCE 2015 AND IT WAS  
ALSO SLIGHTLY COOLER THAN IN 2019.

PLEASE NOTE THAT WE NOW HAVE A NEW WEBSITE WHICH CAN BE  
FOUND AT: [www.stithiansweather.co.uk](http://www.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 PASSED TO THE WEATHERNET ORGANISATION IN  
BOURNEMOUTH.