

STITHIANS WEATHER SUMMARY

SEPTEMBER 2019

HIGHEST MAXIMUM TEMPERATURE	20.0C (03rd)
HIGHEST MINIMUM TEMPERATURE	15.6C (12th)
LOWEST MAXIMUM TEMPERATURE	15.2C (09th)
LOWEST MINIMUM TEMPERATURE	03.2C (08th)
MEAN MAXIMUM TEMPERATURE	17.2C (10YR) 17.1C (31YR) 16.9C
MEAN MINIMUM TEMPERATURE	10.6C (10YR) 10.1C (31YR) 10.5C
MEAN TEMPERATURE FOR MONTH	13.9C (10YR) 13.6C (31YR) 13.7C
MAX. DAILY TEMPERATURE RANGE	14.1C (14th)
MEAN DAILY TEMPERATURE RANGE	06.6C
TOTAL RAINFALL	156.9MM (10YR) 94.6MM (31YR) 91.1MM
MAXIMUM RAINFALL IN 24 HOURS	36.4MM (28th)
RAIN DAYS (0.2MM OR MORE)	21
WET DAYS (1.0MM OR MORE)	15
DAYS WITH RAIN INCLUDED	23
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	1035.0 MB (13th)
MINIMUM ATMOSPHERIC PRESSURE	996.0 MB (29th)
MEAN ATMOSPHERIC PRESSURE	1018.8 MB (31YR MEAN) 1016.9 MB
MEAN SOUTHWEST SEA TEMPERATURE	16.4C (SEP 1986-2018 AVE) 16.2C
10YR RUNNING MEAN SW SEA TEMP	(SEP 2009-2018) 16.0C

NOTES

GENERAL SYNOPTIC SITUATION: ON 1ST THERE WAS A RIDGE OF HIGH PRESSURE WHICH PERSISTED ON THE 2ND & 3RD BEFORE PRESSURE FELL. A COLD FRONT ARRIVED DURING THE EVENING, BEFORE CLEARING OVERNIGHT.

ON THE 4TH THERE WAS A VERY WEAK RIDGE BEFORE A SHOWERY OCCLUSION CLEARED SE DURING LATE AFTERNOON.

BY THE 5TH A HIGH AT 48N/20W EXTENDED A STRENGTHENING RIDGE TO & OVER THE UK.

ON THE 6TH THE RIDGE DECLINED AS A COLD FRONT MOVED SE DOWN ACROSS THE REGION WHICH CLEARED BY EVENING.

BY THE 7TH A RENEWED RIDGE EXTENDED FROM A HIGH 46N/20W WHICH CONTINUED ON THE 8TH. PRESSURE FELL DURING THE EVENING.

ON THE 9TH AN ACTIVE COLD FRONTAL SYSTEM MOVED EASTWARDS & CLEARED, AS, AT THE SAME TIME, A LOW (1009MB) FORMED SOUTH OF DORSET & A LINGERING N/S ORIENTED SHOWER TROUGH AFFECTED CORNWALL.

BY THE 10TH A NEW RIDGE HAD ARRIVED, WHICH GAVE WAY OVERNIGHT AS A WARM SECTOR PERSISTED ON THE 11TH AND THE COLD FRONT CLEARED OVERNIGHT.

BY THE 12TH THERE WAS A WARM SECTOR BEFORE A COLD FRONT CLEARED OVERNIGHT.

ON THE 13TH A HIGH (1038MB) HAD FORMED JUST SW OF CO KERRY WHICH EXTENDED A RIDGE TO AND OVER THE UK.

BY THE 14TH THE HIGH (1036MB) HAD MOVED TO BELGIUM WHILST MAINTAINING A RIDGE TO ENGLAND AND SOUTHWESTWARDS.

THE 15TH SAW A WEAKENING RIDGE WHICH PERSISTED ON THE 16TH.

BY THE 17TH A HIGH (1030MB) DEVELOPED OVER GALWAY WHICH BECAME A BLOCKING FEATURE ACROSS THE BRITISH ISLES. THIS SITUATION CONTINUED ON THE 18TH & 19TH.

ON THE 20TH PRESSURE QUICKLY DECLINED AS THE HIGH (1029MB) MOVED AWAY INTO S DENMARK & LATER INTO SOUTHERN GERMANY (1028MB).

THE 21ST SAW A SHOWER TROUGH PASS THROUGH IN THE MORNING THEN, AS EVENING, APPROACHED A COLD FRONT BEGAN TO EDGE IN FROM THE WEST.

OVERNIGHT THIS CLEARED LEAVING AN OCCLUSION TO CLEAR DURING THE AFTERNOON OF THE 22ND.

BY THE 23RD A FRONTAL SYSTEM QUICKLY MOVED ACROSS, BEING FOLLOWED OVERNIGHT BY AN ACTIVE WAVE LOW, AN OCCLUSION & A SHOWER TROUGH.

BY THE 24TH THERE WAS A SHOWERY WESTERLY AIRSTREAM BEFORE A SMALL, BUT ACTIVE LOW (992MB) QUICKLY MOVED EASTWARDS ACROSS SOUTHERN ENGLAND AND ON THE 25TH THERE WAS A WARM FRONT, FOLLOWED BY A WARM SECTOR.

A COLD FRONT CLEARED EARLY ON THE 26TH BEING FOLLOWED BY A SHOWERY SW/W AIRSTREAM.

EARLY ON THE 27TH A SHOWER TROUGH CLEARED THEN AN OCCLUSION EASED THROUGH BY LATE AFTERNOON AS A VERY WEAK RIDGE ARRIVED.

BY THE 28TH A LOW (994MB) AT 50N/19W AT 1200 GMT PUSHED TWO ACTIVE WARM FRONTS EASTWARDS ACROSS THE REGION. THE COLD FRONT CLEARED DURING LATE MORNING OF 29TH.

ANOTHER FRONTAL SYSTEM SPREAD IN DURING THE MORNING OF THE 30TH AND THE COLD FRONT MOVED EASTWARDS CLEARING DURING EARLY EVENING.

THE MAIN ATLANTIC JET STREAM GRADUALLY STRENGTHENED DURING THE MONTH. THIS WAS POSITIONED TO THE NORTH ON THE 5TH, 14TH & FROM 17TH-20TH. IT WAS TO THE NW ON THE 8TH AND TO THE W ON THE 4TH & 9TH.

IT WAS POSITIONED OVER THE .K FROM THE 1ST-3RD, 6TH, 7TH, 10TH-13TH, 15TH, 16TH, 25TH, 26TH, 28TH, 29TH & 30TH.

IT WAS TO THE SW FROM 21ST-24TH & TO THE S ON 27TH.

SEPTEMBER WAS ANOTHER UNSETTLED MONTH AND AFTER A RELATIVELY DRY FIRST 20 DAYS, THE FINAL 10 DAYS TURNED INCREASINGLY WET, EVENTUALLY RESULTING IN A MONTHLY TOTAL WHICH WAS ABOVE AVERAGE.

ALSO ABOVE NORMAL WERE THE MEAN TEMPERATURES, WHICH WERE ESPECIALLY HIGH AT NIGHT, WHEN THERE WAS OFTEN A LOT OF CLOUDY OR OVERCAST SKIES.

IT WAS THE WETTEST SEPTEMBER HERE SINCE 2017. HEAVIEST 24HR RAINFALL VALUES RECORDED WERE 10.0MM ON 3RD, 11.0MM ON THE 8TH, 14.2MM ON THE 21ST, 28.2MM ON THE 23RD, 13.8MM ON THE 24TH, 36.4MM ON THE 28TH & 12.0MM ON THE 30TH.

THE MEAN MIN. TEMP, THE MEAN TEMP & THE MEAN S.W. SEA TEMP. WERE ALL THE HIGHEST IN ANY SEPTEMBER SINCE 2016. THE HIGHEST MIN. TEMP (WARMEST NIGHT) WAS THE HIGHEST FOR ANY SEPTEMBER SINCE 2014. THE MAX. (ESTIMATED)

WIND GUST FOR THE MONTH WAS 31KT (35 M.P.H.) DURING THE LATE EVENING OF THE 28TH & THE MAIN WIND DIRECTION IN SEPTEMBER WAS WESTERLY, FOLLOWED BY SOUTHWESTERLY.

ALL READINGS DONE BY PAUL RICHARDS AT 40 CRELOW FIELDS, STITHIANS. OBSERVATIONS ARE DONE AT 0900GMT & 2100GMT DAILY THROUGHOUT THE YEAR. WE ARE A MET 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 & WEEKLY DATA TO THE WEATHERNET ORGANISATION IN BOURNEMOUTH