

STITHIANS WEATHER SUMMARY

AUGUST 2018

HIGHEST MAXIMUM TEMPERATURE	25.2C (05th)
HIGHEST MINIMUM TEMPERATURE	17.3C (20th)
LOWEST MAXIMUM TEMPERATURE	15.7C (29th)
LOWEST MINIMUM TEMPERATURE	05.2C (31st)
MEAN MAXIMUM TEMPERATURE	19.7C (10YR) 18.7C (30YR) 18.9C
MEAN MINIMUM TEMPERATURE	12.5C (10YR) 11.8C (30YR) 11.7C
MEAN TEMPERATURE FOR MONTH	16.1C (10YR) 15.2C (30YR) 15.3C
MAX. DAILY TEMPERATURE RANGE	15.3C (05th)
MEAN DAILY TEMPERATURE RANGE	07.2C
TOTAL RAINFALL	91.9MM (10YR) 118.2MM (30YR) 97.6MM
MAXIMUM RAINFALL IN 24 HOURS	36.7MM (11th)
RAIN DAYS (0.2MM OR MORE)	16
WET DAYS (1.0MM OR MORE)	11
DAYS WITH RAIN INCLUDED	24
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	1025.0 MB (04th)
MINIMUM ATMOSPHERIC PRESSURE	1005.0MB (26th)
MEAN ATMOSPHERIC PRESSURE	1018.0 MB (30YR MEAN) 1016.5 MB
MEAN SOUTHWEST SEA TEMPERATURE	17.7C (AUG 1986-2017 AVE) 17.1C
10YR RUNNING MEAN SW SEA TEMP	(AUG 2008-2017) 16.8C

NOTES

THE MAIN ATLANTIC JET STREAM WAS MOSTLY TO THE WEST, NORTHWEST OR OVER THE UNITED KINGDOM ITSELF.

IT WAS POSITIONED TO THE NORTH ON 5TH AND TO THE NORTHWEST ON 4TH, 6TH, 15TH, 19TH, 20TH, 21ST, 22ND & 28TH.

IT WAS TO THE WEST ON 1ST, 11TH, 13TH-14TH, 30TH & 31ST.

IT WAS POSITIONED OVER THE U.K. ON 2ND, 3RD, 7TH-10TH, 16TH, 17TH, 23RD, 24TH-27TH & 29TH.

SYNOPTICALLY, IT WAS AGAIN WIDELY VARIED WITH A LOT OF STEADY MOVEMENT THROUGHOUT THE MONTH. ON THE 1ST A RIDGE OF HIGH PRESSURE PERSISTED & ON THE 2ND & 3RD A RIDGE WAS INTERSECTED BY A WEAK COLD FRONT. BY THE 4TH THE COLD FRONT BROKE UP AS THE RIDGE STRENGTHENED AS A HIGH (1026MB) FORMED OVER SOUTH WALES ON THE 5TH. A WEAK RIDGE PERSISTED ON THE 6TH. ON THE 7TH A WEAK COLD FRONT CLEARED THE SOUTHEAST EARLY ON AS A SLACK WESTERLY AIRSTREAM CONTINUED. ON THE 8TH AN OCCLUSION CLEARED THROUGH AND ON THE 9TH A SHOWERY WESTERLY AIRSTREAM COVERED THE REGION. ON THE 10TH A SHOWER TROUGH PASSED THROUGH DURING THE MORNING. THE 11TH SAW TWO ACTIVE WARM FRONTS COMING UP FROM THE SW AND ON THE 12TH AN OCCLUSION PERSISTED ALL DAY. ON THE 13TH THERE WAS A WESTERLY AIRSTREAM AND THE 14TH SAW A WEAK WARM FRONT GOING THROUGH, BEING FOLLOWED BY A WARM SECTOR DURING THE 15TH. ON THE 16TH TWO COLD FRONTS CLEARED EARLY TO BE FOLLOWED BY A MODERATE WESTERLY AIRSTREAM. ON THE 17TH THERE WAS A RIDGE OF HIGH PRESSURE AS A BROAD WARM SECTOR BECAME ESTABLISHED ON THE 18TH. DURING THE 19TH A WEAK WARM FRONT CLEARED IN THE AFTERNOON AND ON 20TH A WEAK COLD FRONT PERSISTED WHILST ON 21ST THERE WAS A COMBINED WEAK RIDGE AND WARM SECTOR WHICH CONTINUED ON THE 22ND. ON 23RD A WEAK COLD FRONT CLEARED EARLY MORNING, THEN ANOTHER, WEAK, SECONDARY COLD FRONT CLEARED DURING THE EVENING. ON THE 24TH THERE WAS A SHOWERY WESTERLY AIRSTREAM BEFORE A COLD FRONT CLEARED TOWARDS MIDNIGHT. ON THE 25TH THERE WAS A WEAK RIDGE OF HIGH PRESSURE AND ON THE 26TH A FRONTAL SYSTEM MOVED THROUGH LATE IN THE DAY BEFORE RETURNING AS A WEAK OCCLUSION. A WEAK RIDGE PERSISTED ON THE 27TH & 28TH. A WEAK COLD FRONT CLEARED EARLY ON THE 29TH AND A RIDGE OF HIGH PRESSURE ARRIVED LATER IN THE DAY. ON THE 30TH & 31ST THIS RIDGE PERSISTED THROUGHOUT.

AFTER JULY'S HEATWAVE, TEMPERATURES GRADUALLY LOWERED AS IT BECAME MORE UNSETTLED AND WETTER. PERIODS OF RAIN AND DRIZZLE PERSISTED ALL DAY AND INTO THE EVENING OF THE 11TH WHICH TURNED OUT TO BE THE WETTEST DAY

OF THE MONTH. MOST DAYS SAW AT LEAST SOME RAIN. IN THE END TOTAL RAINFALL WAS JUST A LITTLE BELOW THE LONG TERM AVERAGE.

MEANWHILE, THE MAIN WIND DIRECTION WAS WESTERLY AND THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 26KT (30 MPH) ON THE 11TH.

IT WAS THE WARMEST AUGUST SINCE 2013 (MEAN MAX & MEAN TEMP). THE 5TH SAW THE WARMEST AUGUST DAY HERE SINCE 2003 AS WAS ALSO THE HIGHEST MIN OF 17.3C ON THE 20TH.

THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST IN ANY AUGUST SINCE 2013.

THE SUMMER AS A WHOLE WAS THE DRIEST (162.3MM) SINCE 2006 AND THE MEAN TEMPERATURE (16.2C) WAS A NEW HIGHEST EVER SINCE RECORDS BEGAN IN 1987. THE MEAN MAX. TEMP. (20.6C) WAS A NEW HIGHEST EVER AND THE MEAN MIN. (11.9C) WAS ALSO A NEW RECORD HIGHEST IN ANY SUMMER SINCE RECORDS BEGAN HERE.

ALL READINGS DONE BY PAUL RICHARDS AT 40 CRELOW FIELDS, STITHIANS. MAIN OBSERVATIONS ARE CARRIED OUT 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 AND WEEKLY DATA TO THE WEATHERNET ORGANISATION IN BOURNEMOUTH.