

STITHIANS WEATHER SUMMARY

JULY 2018

HIGHEST MAXIMUM TEMPERATURE	26.5C (26th)
HIGHEST MINIMUM TEMPERATURE	16.6C (27th)
LOWEST MAXIMUM TEMPERATURE	17.2C (04th)
LOWEST MINIMUM TEMPERATURE	06.9C (26th)
MEAN MAXIMUM TEMPERATURE	22.5C (10YR) 19.5C (30YR) 19.0C
MEAN MINIMUM TEMPERATURE	12.5C (10YR) 12.1C (30YR) 11.8C
MEAN TEMPERATURE FOR MONTH	17.5C (10YR) 15.8C (30YR) 15.4C
MAX. DAILY TEMPERATURE RANGE	19.6C (26th)
MEAN DAILY TEMPERATURE RANGE	10.0C
TOTAL RAINFALL	58.0MM (10YR) 107.5MM (30YR) 85.3MM
MAXIMUM RAINFALL IN 24 HOURS	35.0MM (28th)
RAIN DAYS (0.2MM OR MORE)	13
WET DAYS (1.0MM OR MORE)	05
DAYS WITH RAIN INCLUDED	16
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	1027.0 MB (08th)
MINIMUM ATMOSPHERIC PRESSURE	997.0MB (28th)
MEAN ATMOSPHERIC PRESSURE	1016.5 MB (30YR MEAN) 1016.8 MB
MEAN SOUTHWEST SEA TEMPERATURE	18.1C (JUL 1986-2017 AVE) 15.9C
10YR RUNNING MEAN SW SEA TEMP	(JUL 2008-2017) 16.2C

NOTES

THE MAIN (MOSTLY MODERATE IN STRENGTH) ATLANTIC JET STREAM WAS TO THE NW OF THE BRITISH ISLES ON THE 1ST-11TH, 13TH-16TH, 18TH-20TH & 26TH.

IT WAS TO THE W ON THE 12TH & 27TH & OVER THE UK ON THE 17TH, 21ST, 24TH, 25TH & 28TH – 31ST.

ON THE 1ST A SHOWER TROUGH CLEARED DURING THE MORNING AND ON THE 2ND, A VERY WARM AND HUMID N E AIRSTREAM COVERED THE REGION BEFORE A SHOWER TROUGH MOVED THROUGH DURING THE AFTERNOON.

ON THE 3RD AN OCCLUSION AFFECTED THE SOUTH COAST AS A LOW, 1013MB DRIFTED UP FROM W BRITTANY TO THE ISLES OF SCILLY ON THE 4TH AS A WEAK OCCLUSION AFFECTED THE AREA THROUGHOUT.

THE 5TH SAW THIS WEAK OCCLUSION CLEARING EARLY AS A RIDGE BEGAN TO BUILD WHICH CONTINUED ON THE 6TH.

ON THE 7TH, A HIGH 1025MB DEVELOPED IN THE WESTERN NORTH SEA WHICH PUSHED A STRONG RIDGE TO, AND OVER THE UK.

BY THE 8TH THE HIGH 1032MB HAD TRANSFERRED TO THE SW OF IRELAND WHILST MAINTAINING A STRONG RIDGE WHICH CONTINUED ON THE 9TH.

ON THE 10TH A WEAK COLD FRONT FROM THE EAST CLEARED DURING THE EVENING.

ON THE 11TH THERE WAS A RIDGE OF HIGH PRESSURE WHICH PERSISTED FROM THE 12TH TO THE 15TH AND, LATER ON THE 15TH, PRESSURE BEGAN TO FALL.

ON THE 16TH A COLD FRONT CLEARED DURING THE EARLY MORNING AND ON THE 17TH THE REGION WAS COVERED BY A SHOWERY W AIRSTREAM.

THE 18TH SAW AN OCCLUSION MOVING THROUGH AND ON THE 19TH THERE WAS A RIDGE OF HIGH PRESSURE.

ON THE 20TH A WEAK RIDGE DECLINED AS A WEAK FRONTAL SYSTEM ARRIVED DURING THE EVENING. THIS CLEARED EARLY IN THE MORNING OF THE 21ST AFTER WHICH A WEAK RIDGE ARRIVED WHICH PERSISTED ON THE 22ND & 23RD.

ON THE 24TH A WEAK COLD FRONT CLEARED DURING THE MORNING AND ON THE 25TH, A COOL AREA COVERED THE UK WHICH PERSISTED ON THE 26TH.

OVERNIGHT ON THE 26TH A WEAK COLD FRONT CLEARED THROUGH TO BE FOLLOWED BY A SHOWERY S AIRSTREAM ON THE 27TH.

OVERNIGHT ON 27TH A COLD FRONT CLEARED WHICH WAS FOLLOWED BY A SHOWERY SW AIRSTREAM ON THE 28TH. LATE ON THE 28TH A FRONTAL SYSTEM ARRIVED WHICH CLEARED EASTWARDS EARLY ON THE 29TH.

THE 30TH SAW AN OCCLUSION SLOWLY MOVE AWAY AND ON THE 31ST A SHOWERY SW AIRSTREAM COVERED THE REGION BEFORE A WEAK RIDGE ARRIVED LATE IN THE DAY.

JULY WAS ANOTHER UNUSUAL MONTH IN MANY RESPECTS! IT WAS PREDOMINANTLY VERY WARM AND DRY, AGAIN WITH PLENTY OF STRONG SUNSHINE OCCURRING WIDELY.

RAINFALL AMOUNTS WERE SMALL AND THERE WAS NO MEASURABLE RAIN RECORDED AT ALL BETWEEN THE 5TH & 14TH INCLUSIVE. THE MOST ACTIVE FRONTAL SYSTEM FOR THE MONTH PRODUCED A DOLLOP OF RAIN ON 28TH (35.0MM IN 24HRS). THIS WAS ALSO THE MAXIMUM 24HR RAINFALL FOR THE MONTH.

EXCEPT FOR THE 4TH, 28TH, 29TH & 30TH, ALL OF THE DAYS SAW MAXIMUM TEMPERATURES IN EXCESS OF 20C. THE MEAN MAX. TEMP WAS THE HIGHEST VALUE FOR ANY JULY (OR INDEED FOR ANY MONTH SO FAR RECORDED HERE!) IT WAS ALSO A NEW RECORD HIGHEST MEAN TEMPERATURE FOR ANY JULY (AND THE SECOND HIGHEST FOR ANY MONTH SO FAR – THIS BEATEN ONLY BY AUGUST 1995 AT 0.1C HIGHER!)

THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST EVER RECORDED IN JULY. THE MAIN WIND DIRECTION WAS WESTERLY, CLOSELY FOLLOWED BY EASTERLY AND THE MAX. (ESTIMATED) WIND GUST FOR THE MONTH WAS 30KT (34 MPH) AT AROUND 0700 GMT ON 29TH.

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.