

STITHIANS WEATHER SUMMARY

JUNE 2018

HIGHEST MAXIMUM TEMPERATURE	24.4C (24th)
HIGHEST MINIMUM TEMPERATURE	14.9C (19th)
LOWEST MAXIMUM TEMPERATURE	15.0C (21st)
LOWEST MINIMUM TEMPERATURE	04.1C (23rd)
MEAN MAXIMUM TEMPERATURE	19.8C (10YR) 18.0C (30YR) 17.4C
MEAN MINIMUM TEMPERATURE	10.7C (10YR) 09.7C (30YR) 09.6C
MEAN TEMPERATURE FOR MONTH	15.2C (10YR) 13.8C (30YR) 13.5C
MAX. DAILY TEMPERATURE RANGE	19.1C (24th)
MEAN DAILY TEMPERATURE RANGE	09.1C
TOTAL RAINFALL	12.4MM (10YR) 75.6MM (30YR) 75.7MM
MAXIMUM RAINFALL IN 24 HOURS	3.1MM (13th)
RAIN DAYS (0.2MM OR MORE)	09
WET DAYS (1.0MM OR MORE)	04
DAYS WITH RAIN INCLUDED	14
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	1031.0 MB (22nd)
MINIMUM ATMOSPHERIC PRESSURE	1010.0 MB (14th)
MEAN ATMOSPHERIC PRESSURE	1018.5 MB (30YR MEAN) 1017.2 MB
MEAN SOUTHWEST SEA TEMPERATURE	14.9C (JUN 1986-2017 AVE) 13.7C
10YR RUNNING MEAN SW SEA TEMP	(JUN 2008-2017) 14.2C

NOTES

THE JET STREAM WAS VERY FRAGMENTED DURING THE FIRST THREE DAYS, THEREAFTER SETTling INTO A BIT MORE OF A PATTERN!

IT WAS TO THE NW ON THE 2ND, 3RD & 25TH-30TH INCLUSIVE. IT WAS TO THE NW & SW ON THE 4TH, TO THE W & NW ON THE 1ST, 23RD & 24TH, TO THE W & N ON THE 5TH & 6TH, TO THE W FROM 7TH-12TH INCLUSIVE & ON THE 22ND. IT WAS TO THE W & E ON THE 21ST & ACTUALLY OVER THE UK FROM THE 13TH-20TH INCLUSIVE.

SYNOPTICALLY, FRONTAL SYSTEMS WERE MUCH IN EVIDENCE UNTIL 21ST, WHEN HIGH PRESSURE BECAME ESTABLISHED. ON THE 1ST A SLACK, HUMID, AIRSTREAM COVERED THE BRITISH ISLES AS A COLD FRONT CLEARED NORTHWARDS OVER CORNWALL LATE IN THE DAY.

ON THE 2ND, A WEAK RIDGE, FROM A HIGH 1021MB OVER NORMANDY, COVERED THE REGION BEFORE PRESSURE FELL AS A SHOWER TROUGH PASSED THROUGH ON THE 3RD.

ON THE 4TH, A HUMID, STICKY, EASTERLY AIRSTREAM PERSISTED WHICH CONTINUED DURING THE 5TH.

ON THE 6TH, THERE WAS A WEAK ISOBARIC TROUGH OVER S & SW ENGLAND. ON THE 7TH A WEAK WARM FRONT MOVED NW INTO SW ENGLAND.

ON THE 8TH A SLACK E TO NE AIRSTREAM PERSISTED. BY THE 9TH, THIS AIRSTREAM HAD INCREASED TO MODERATE AND BY THE 10TH A LOW, 1011MB, DRIFTED OVER NW SPAIN AS AN ISOBARIC TROUGH STRETCHED FROM S ENGLAND TO N SCOTLAND. BY 11TH, THIS STRETCHED OVER ENGLAND AS A SHOWER TROUGH LAY FROM DARTMOOR TO THE LIZARD.

ON 12TH A WEAK RIDGE OF HIGH PRESSURE MOVED IN FROM THE WEST WHICH PERSISTED ON 13TH BEFORE A WARM FRONT ARRIVED FROM THE WEST DURING THE EVENING.

ON THE 14TH A COLD FRONT CLEARED DURING THE EARLY HOURS, BEING REPLACED BY A RIDGE OF HIGH PRESSURE.

ON THE 15TH A WEAK RIDGE PERSISTED & ON 16TH AN OCCLUSION PASSED THROUGH FROM THE WEST IN THE AFTERNOON. THE 17TH SAW ANOTHER WARM FRONT ARRIVE, THEN A WARM SECTOR FOLLOWED.

ON THE 18TH A WEAK COLD FRONT CLEARED EARLY AS A NEW WARM FRONT MOVED IN BY MIDDAY & ON THE 19TH THERE WAS A BROAD WARM SECTOR WITH A HIGH, 1027MB, OVER NW BISCAY.

ON THE 20TH A WARM SECTOR PERSISTED BEFORE A VERY WEAK COLD FRONT CLEARED DURING EARLY EVENING. ON THE 21ST, PRESSURE BUILT STEADILY AS A HIGH, 1036MB, DEVELOPED TO THE WEST OF IRELAND WHICH BECAME A BLOCKING FEATURE UNTIL THE END OF THE MONTH. THIS PERSISTED ON THE 22ND & 23RD BEFORE MOVING TO NW WALES ON 24TH. THIS DRIFTED TO THE NORTH OF N IRELAND ON THE 25TH, THEN TO THE EAST OF SCOTLAND ON 26TH & INTO THE WESTERN NORTH SEA ON THE 27TH & 28TH.

ON THE 29TH THE HIGH (1033MB) HAD TRANSFERRED TO THE SHETLANDS AS PRESSURE BEGAN TO SLOWLY FALL. THE 30TH SAW PRESSURE FALLING FURTHER AS A LOW, 1007MB, AT 41N/10W AT 1800GMT, PUSHED A THUNDERY SHOWER TROUGH IN MID-BISCAY NORTHWARDS.

IT IS INTERESTING TO NOTE THAT FOR THE FIRST 12 DAYS OR SO, THE ATMOSPHERIC PRESSURE WAS VERY CONSTANT, THAT IS, NOT VARYING VERY MUCH AT ALL!

JUNE TURNED OUT TO BE THE SECOND DRIEST EVER RECORDED HERE (THE PREVIOUS LOWEST BEING 6.2MM IN JUNE 1992).

RAINFALL AMOUNTS WERE VERY LIGHT AND WERE FAIRLY SCATTERED IN NATURE. THE 9TH TO 12TH & THE 21ST-29TH INCLUSIVE WERE COMPLETELY DRY.

THERE WAS ALSO A LOT OF SUNSHINE ON OFFER, THIS OFTEN ACCOMPANIED BY HIGH, OR VERY HIGH UV & POLLEN LEVELS. THE HIGHEST AIR TEMPERATURE AT THE 0900GMT OBSERVATION WAS 22.5C ON 29TH AND AT THE 2100GMT OBSERVATION IT WAS AN UNUSUALLY HIGH 18.6C ON 30TH.

FOG OCCURRED DURING THE EVENING OF 18TH, WITH THE VISIBILITY VARYING BETWEEN 800M & 900M. ON 28TH, (FROM 2340GMT – 2348GMT) A THUNDERSTORM OCCURED AT AROUND 11-12MLS TO THE NE WHEN INTER-CLOUD LIGHTNING WAS OBSERVED. AT PRESENT, THIS IS BELIEVED TO HAVE BEEN A 'ROGUE STORM' (NOT FORECAST!) WHICH PROBABLY OCCURRED AT AROUND 7000-8000FT OR SO IN VERY UNSTABLE ALTOCUMULUS CASTELLANUS CLOUD.

THE MAX. (ESTIMATED) WIND GUST FOR THE MONTH WAS 24KT (27MPH) DURING THE EARLY HOURS OF 14TH. THE MAIN WIND DIRECTION WAS EASTERLY. THE MEAN MAX. TEMP IS THE HIGHEST FOR JUNE SINCE 2014 AND THE MEAN TEMPERATURE (15.2C) IS A NEW 'HIGHEST' FOR ANY JUNE EVER RECORDED 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