

STITHIANS WEATHER SUMMARY

APRIL 2018

HIGHEST MAXIMUM TEMPERATURE	19.0C (19th)
HIGHEST MINIMUM TEMPERATURE	11.1C (18th)
LOWEST MAXIMUM TEMPERATURE	07.0C (01st)
LOWEST MINIMUM TEMPERATURE	-02.0C (05th)
MEAN MAXIMUM TEMPERATURE	12.9C (10YR) 12.4C (30YR) 12.0C
MEAN MINIMUM TEMPERATURE	05.6C (10YR) 04.1C (30YR) 04.4C
MEAN TEMPERATURE FOR MONTH	09.2C (10YR) 08.2C (30YR) 08.2C
MAX. DAILY TEMPERATURE RANGE	15.9C (19th)
MEAN DAILY TEMPERATURE RANGE	07.2C
TOTAL RAINFALL	111.7MM (10YR) 80.5MM (30YR) 88.1MM
MAXIMUM RAINFALL IN 24 HOURS	42.1MM (01st)
RAIN DAYS (0.2MM OR MORE)	16
WET DAYS (1.0MM OR MORE)	14
DAYS WITH RAIN INCLUDED	18
DAYS WITH HAIL	00
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	02
MAXIMUM ATMOSPHERIC PRESSURE	1026.0 MB (20 th)
MINIMUM ATMOSPHERIC PRESSURE	983.0 MB (04th)
MEAN ATMOSPHERIC PRESSURE	1008.6 MB (30YR MEAN) 1014.8 MB
MEAN SOUTHWEST SEA TEMPERATURE	10.1C (APR 1986-2017 AVE) 10.1C
10YR RUNNING MEAN SW SEA TEMP	(APR 2008-2017) 10.3C

NOTES

DURING APRIL, THE MAIN ATLANTIC JET STREAM WAS EITHER TO THE SOUTH WEST OF, OR DIRECTLY OVER THE BRITISH ISLES. IT WAS TO THE NW ON THE 19TH, TO THE WEST ON THE 21ST, 23RD & 30TH, TO THE SOUTHWEST ON THE 4TH, AND ON THE 9TH-16TH INCLUSIVE. IT WAS TO THE SOUTH ON THE 2ND AND IT WAS OVER THE UK ON THE 1ST, 3RD, 5TH-8TH INCLUSIVE, 17TH, 18TH, 20TH, 22ND & FROM THE 24TH-29TH INCLUSIVE.

THE SYNOPTIC SITUATION WAS A VERY MIXED PICTURE ONCE AGAIN. ON THE 1ST, ACTIVE FRONTAL SYSTEMS CAME UP FROM THE SW & ON THE 2ND A SLIGHTLY SHOWERY SOUTHERLY AIRSTREAM COVERED THE REGION. ON THE 3RD, A SLACK AREA OF LOW PRESSURE PERSISTED. ON THE 4TH, A FLABBY LOW (988MB) OVER THE BRISTOL AREA HAD AN ASSOCIATED SHOWER TROUGH WHICH CLEARED EARLY IN THE DAY AND THEN, A WEAK OCCLUSION FOLLOWED LATER. THE 5TH SAW A RIDGE OF HIGH PRESSURE COVERING THE UK. ON THE 6TH A WEAK COLD FRONT PERSISTED BEFORE A WAVE MOVED UP OVERNIGHT AND ON THE 7TH, 8TH & 9TH A WEAK RIDGE PERSISTED. ON THE 10TH A WEAK WARM FRONT MOVED IN FROM THE EAST WHICH CLEARED OVERNIGHT, BEING REPLACED BY A NE AIRSTREAM ON THE 11TH. THIS PERSISTED ON THE 12TH & 13TH. ON THE 14TH A WEAK RIDGE OF HIGH PRESSURE ARRIVED FROM THE EAST, THEN ON THE 15TH AN OCCLUSION CLEARED EARLY TO BE FOLLOWED IN THE EARLY EVENING BY ANOTHER OCCLUSION WHICH SOON CLEARED EASTWARDS. THE 16TH SAW A WEAK RIDGE OF HIGH PRESSURE LATER BEING EDGED INTO BY A WEAK WARM FRONT FROM THE SW. THE 17TH SAW A FRONTAL SYSTEM PERSIST ALL DAY, BUT BY THE 18TH THIS HAD MOVED AWAY NORTHWARDS AS A RIDGE ARRIVED (FROM A HIGH 1032MB DENMARK). ON THE 19TH A WEAK COLD FRONT OVER CORNWALL WAS KILLED OFF BY A RIDGE OF HIGH PRESSURE FROM A HIGH 1025MB OVER NW FRANCE. THIS RIDGE PERSISTED ON THE 20TH, COLLAPSING ON THE 21ST AS THE AIRMASS BECAME MORE HUMID & UNSTABLE, BEFORE A VERY WEAK COLD FRONT ARRIVED DURING THE EARLY AFTERNOON OF THE 22ND. ON THE 23RD A WEAK RIDGE OF HIGH PRESSURE PERSISTED BEFORE A WEAK FRONTAL SYSTEM ARRIVED DURING THE EVENING. ON THE 24TH A WARM SECTOR PERSISTED ALL DAY BEFORE A COLD FRONT PUSHED EASTWARDS DURING THE EVENING. THE 25TH SAW A SHOWERY SOUTHWESTERLY AIRSTREAM, FOLLOWED BY A WEAK HIGH PRESSURE RIDGE ON THE 26TH. DURING THE EVENING OF THE 26TH A LOW TO THE SW PUSHED AN ACTIVE FRONTAL SYSTEM INTO THE REGION. THE FRONTS CLEARED OVERNIGHT AS THE LOW (988MB) EDGED UP INTO THE WESTERN ENGLISH CHANNEL ON THE 27TH. THIS LOW HAD MOVED TO THE EAST OF LONDON (1006MB) ON THE 28TH AS A VERY WEAK RIDGE ARRIVED WHICH PERSISTED ON THE 29TH & ON THE 30TH, A COOL, MODERATE TO FRESH NORTHERLY AIRSTREAM CONTINUED AS A LOW (994MB) DRIFTED NEAR CALAIS.

ALTHOUGH THERE WERE A FEW DRY DAYS HERE AND THERE, IT WAS ANOTHER GENERALLY UNSETTLED MONTH.

A DRY AND ALSO WARMER SPELL PERSISTED FROM 18TH TO 21ST APRIL.

IT WAS A WETTER AND WARMER MONTH THAN NORMAL. THE TWO WETTEST DAYS WERE THE 1ST (42.1MM) & 26TH (28.2MM).

THE MAIN WIND DIRECTION WAS EASTERLY, FOLLOWED BY NORTHERLY AND THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 32KT (37MPH) AT AROUND 0700 GMT ON THE 17TH.

IT WAS THE WETTEST APRIL RECORDED HERE SINCE 2012.

THE MEAN TEMPERATURE WAS THE HIGHEST IN ANY APRIL SINCE 2014 & THE MEAN MIN TEMP WAS THE HIGHEST FOR ANY APRIL HERE SINCE 1999. THE 18TH SAW THE WARMEST NIGHT IN ANY APRIL SINCE 2007

IT WAS THE LOWEST MEAN ATMOSPHERIC PRESSURE FOR THE MONTH SINCE 2012.

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