

STITHIANS WEATHER SUMMARY

NOVEMBER 2018

HIGHEST MAXIMUM TEMPERATURE	13.7C (28th)
HIGHEST MINIMUM TEMPERATURE	11.2C (17th)
LOWEST MAXIMUM TEMPERATURE	06.4C (21st)
LOWEST MINIMUM TEMPERATURE	-06.1C (21st)
MEAN MAXIMUM TEMPERATURE	10.9C (10YR) 10.9C (30YR) 10.7C
MEAN MINIMUM TEMPERATURE	06.3C (10YR) 05.9C (30YR) 05.7C
MEAN TEMPERATURE FOR MONTH	08.6C (10YR) 08.4C (30YR) 08.2C
MAX. DAILY TEMPERATURE RANGE	13.0C (02nd)
MEAN DAILY TEMPERATURE RANGE	04.6C
TOTAL RAINFALL	254.2MM (10YR) 162.4MM (30YR) 162.1MM
MAXIMUM RAINFALL IN 24 HOURS	43.8MM (06th)
RAIN DAYS (0.2MM OR MORE)	21
WET DAYS (1.0MM OR MORE)	17
DAYS WITH RAIN INCLUDED	24
DAYS WITH HAIL	02
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	03
MAXIMUM ATMOSPHERIC PRESSURE	1026.0 MB (02nd)
MINIMUM ATMOSPHERIC PRESSURE	985.0 MB (07th)
MEAN ATMOSPHERIC PRESSURE	1009.0 MB (30YR MEAN) 1014.2 MB
MEAN SOUTHWEST SEA TEMPERATURE	12.7C (NOV 1986-2017 AVE) 13.1C
10YR RUNNING MEAN SW SEA TEMP	(NOV 2008-2017) 13.1C

NOTES

THE ATLANTIC JET STREAM VARIED ITS POSITION BETWEEN TO THE WEST AND TO THE SOUTH OF THE BRITISH ISLES AND SLOWLY STRENGTHENED AS TIME PROCEEDED. IT WAS POSITIONED TO THE WEST ON THE 1ST, 4TH, 14TH & 15TH, 16TH & 17TH. IT WAS OVER THE UK ON THE 2ND, 3RD, 7TH, 9TH, 12TH & 13TH, 20TH, 29TH & 30TH. IT WAS TO THE SW ON 5TH, 6TH, 8TH, 27TH & 28TH AND IT WAS TO THE SOUTH ON THE 10TH & 11TH, 18TH & 19TH & 21ST TO 26TH INCLUSIVE.

SYNOPTICALLY SPEAKING IT WAS A VARIED MONTH AND, EXCEPT FOR SOME ANTICYCLONIC BLOCKING BETWEEN 15TH & 20TH, IT WAS OTHERWISE CONSTANTLY CHANGING. ON THE 1ST A VERY WEAK RIDGE PERSISTED BUT THIS QUICKLY INTENSIFIED OVERNIGHT. ON THE 2ND A SMALL HIGH FORMED OVER SW ENGLAND AND MOVED AWAY BY EVENING. THE 3RD SAW FRONTAL SYSTEMS GRADUALLY EDGE UP FROM THE SW BY EVENING, THEN ON THE 4TH A WAVING COLD FRONT OVER NW BISCAY MOVED UP DURING THE EVENING AS A LOW (1000MB) FORMED SW THE OF ISLES OF SCILLY. ON THE 5TH THE LOW (997MB) MOVED INTO BISCAY AS A MOIST SE AIRSTREAM BECAME ESTABLISHED. THE 6TH SAW TWO OCCLUSIONS EDGE UP FROM THE SW AND THE 7TH HAD AN ACTIVE OCCLUSION CLEARING EARLY, BEING FOLLOWED BY A SHOWERY W AIRSTREAM. BY THE 8TH A SE AIRSTREAM BECAME ESTABLISHED BEFORE AN ACTIVE FRONTAL SYSTEM ARRIVED ON THE 9TH. THIS CLEARED OVERNIGHT LEAVING A SHOWERY SW AIRSTREAM ON THE 10TH WHICH CONTINUED ON THE 11TH & 12TH. DURING THE 13TH A RIDGE OF HIGH PRESSURE ARRIVED FROM THE WEST AND PERSISTED ON THE 14TH AS A HIGH (1032MB) AT 52N/19E BEGAN TO RETREAT TO THE EAST DURING 15TH. BY THE 16TH THE HIGH HAD MOVED FURTHER EAST TO 55N/40E WHILST MAINTAINING A RIDGE TO AND OVER THE UK. BY THE 17TH THE HIGH (1042MB) HAD MOVED TO S SCANDINAVIA (STILL WITH A RIDGE TO & OVER THE UK) & BY THE 18TH THE HIGH HAD INTENSIFIED AND MOVED TO N SCANDINAVIA. A RIDGE FROM IT PERSISTED OVER THE UK WHICH BLOCKING SITUATION CONTINUED ON THE 19TH AS A COLDER & DRIER NE AIRSTREAM ARRIVED. THIS CONTINUED ON THE 20TH AS THE HIGH (1042MB) TRANSFERRED TO 70N/1E. THE 21ST SAW PRESSURE FALLING AS A SHOWER TROUGH DEVELOPED TO THE SOUTH. ON THE 22ND A LOW (1003MB) AT 50N/10W PUSHED AN OCCLUSION UP FROM THE SW LATE IN THE DAY AND ON THE 23RD ANOTHER OCCLUSION ARRIVED DURING THE EVENING. ON THE 24TH A LOW (1002MB) PERSISTED WEST OF THE I OF SCILLY AS AN OCCLUSION AND A SHOWER TROUGH BECAME SLOW MOVING IN THE SW REGION. ON THE 25TH A LOW (1003MB) W FRANCE MOVED AWAY AS A VERY WEAK RIDGE EDGED DOWN FROM THE NORTH. THIS RIDGE PERSISTED ON THE 26TH BEFORE A FRONTAL SYSTEM ARRIVED OVERNIGHT. THE 27TH SAW THIS RIDGE CLEARING AS ANOTHER

ONE ARRIVED ON THE 28TH. THIS WAS ASSOCIATED WITH STORM 'DIANA' AT 53N/15W AT 0600 GMT & ON THE 29TH A SHOWERY W/SW AIRSTREAM COVERED ALL AREAS AS AN OCCLUSION CLEARED EASTWARDS DURING THE MORNING. ON THE 30TH A SHOWERY WESTERLY AIRSTREAM PREVAILED.

FOLLOWING THE RECENT RUN OF DRY MONTHS, NOVEMBER TURNED THE TABLES AND TURNED OUT TO BE THE WETTEST ONE HERE SINCE 2009. THERE WAS RAIN ON ALMOST ALL OF THE DAYS APART FROM A BRIEF DRIER SPELL FROM 16TH TO 20TH INCLUSIVE. THIS WAS A MONTH DOMINATED BY LOW PRESSURE AND IT WAS OFTEN FAIRLY WINDY. HAIL OCCURRED ON THE 10TH & 12TH AT 0820 GMT & 1445 GMT RESPECTIVELY. MANY OF THE NIGHTS WERE WARMER THAN NORMAL, BUT A NOTABLE EXCEPTION WAS THE 21ST (-6.1C) WHICH SAW THE LOWEST NIGHTTIME MIN. TEMPERATURE IN ANY NOVEMBER SINCE 2010 (WHEN IT WAS -9.3C ON THE 28TH). THE MAX. DAILY TEMP. RANGE WAS THE HIGHEST IN ANY NOVEMBER HERE SINCE 2007.

OVERALL, THE MEAN TEMPERATURE FOR THE MONTH WAS SLIGHTLY ABOVE NORMAL. THE MAXIMUM (ESTIMATED) WIND GUST WAS 41KT (47 MPH) AT AROUND 0600 GMT ON THE 29TH AND THE PREDOMINANT WIND DIRECTION WAS EASTERLY.

THE SW SEA TEMPERATURE WAS AN EQUAL VALUE WITH NOVEMBER 2012. THE AUTUMN MONTHS AS A WHOLE SAW BOTH MEAN TEMPERATURES AND TOTAL RAINFALL CLOSE TO NORMAL.

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