

STITHIANS WEATHER SUMMARY

MARCH 2019

HIGHEST MAXIMUM TEMPERATURE	14.7C (28th)
HIGHEST MINIMUM TEMPERATURE	09.0C (15 th & 16th)
LOWEST MAXIMUM TEMPERATURE	08.4C (17th)
LOWEST MINIMUM TEMPERATURE	-02.4C (26th)
MEAN MAXIMUM TEMPERATURE	11.3C (10YR) 09.8C (31YR) 10.5C
MEAN MINIMUM TEMPERATURE	04.7C (10YR) 03.3C (31YR) 04.0C
MEAN TEMPERATURE FOR MONTH	08.0C (10YR) 06.5C (31YR) 07.2C
MAX. DAILY TEMPERATURE RANGE	16.6C (28th)
MEAN DAILY TEMPERATURE RANGE	06.6C
TOTAL RAINFALL	132.8MM (10YR) 106.0MM (31YR) 101.8MM
MAXIMUM RAINFALL IN 24 HOURS	37.0MM (05th)
RAIN DAYS (0.2MM OR MORE)	21
WET DAYS (1.0MM OR MORE)	16
DAYS WITH RAIN INCLUDED	23
DAYS WITH HAIL	04
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	06
MAXIMUM ATMOSPHERIC PRESSURE	1037.0 MB (27 th & 28th)
MINIMUM ATMOSPHERIC PRESSURE	984.0 MB (06th)
MEAN ATMOSPHERIC PRESSURE	1018.4 MB (31YR MEAN) 1016.3 MB
MEAN SOUTHWEST SEA TEMPERATURE	10.3C (MAR 1986-2018 AVE) 09.4C
10YR RUNNING MEAN SW SEA TEMP	(MAR 2009-2018) 09.6C

NOTES

SYNOPTIC SITUATION: ON THE 1ST, A RIDGE COLLAPSED EARLY BEFORE A FRONTAL SYSTEM ARRIVED DURING MID-AFTERNOON & EVENING. THIS CLEARED OVERNIGHT, LEAVING A BROAD WARM SECTOR BEFORE A COLD FRONT MOVED IN ON THE LATE AFTERNOON OF THE 2ND.

ON THE 3RD STORM 'FREYA' (0600GMT: 989MB AT 49N/12W) AFFECTED THE REGION. BY 1800GMT THIS WAS 976MB OVER NW WALES.

BY THE 4TH, STORM 'FREYA' WAS 971MB OVER THE NE NORTH SEA AS A SHOWERY SW AIRSTREAM MOVED IN.

ON THE 5TH, AN ACTIVE FRONTAL SYSTEM ARRIVED FROM THE SW DURING THE DAY AND EVENING. THIS CLEARED OVERNIGHT AS A SHOWERY SW AIRSTREAM ARRIVED ON THE 6TH. THIS VEERED NORTHWESTERLY ON THE 7TH AS A WEAK RIDGE EDGED IN LATE IN THE DAY.

ON THE 8TH THE RIDGE MOVED AWAY AS A FRONTAL SYSTEM CAME UP FROM THE SOUTHWEST. THIS SOON CLEARED LEAVING A WEAK RIDGE ON THE 9TH BEFORE A FRONTAL SYSTEM ARRIVED IN THE LATE-AFTERNOON & EVENING. THIS CLEARED OVERNIGHT LEAVING A STRONG & SHOWERY WESTERLY AIRSTREAM.

ON THE 11TH A RIDGE OF HIGH PRESSURE PREVAILED BEFORE A FRONTAL SYSTEM ARRIVED IN THE EVENING. THIS PERSISTED OVERNIGHT AND BY THE 12TH A COLD FRONT CLEARED THROUGH LATE MORNING AS A SHOWERY W AIRSTREAM ARRIVED.

ON THE 13TH A STRONG TO GALE FORCE W/NW AIRSTREAM PERSISTED BEFORE A FRONTAL SYSTEM CAME IN WHICH PERSISTED ALL DAY ON THE 14TH.

ON THE 15TH A BROAD WARM SECTOR CONTINUED. THE 16TH SAW THIS BROAD WARM SECTOR PERSISTING BEFORE AN ACTIVE COLD FRONT SWEEPED DOWN FROM THE NW WHICH CLEARED DURING THE EVENING.

ON THE 17th THERE WAS A COLDER, SHOWERY WESTERLY AIRSTREAM. DURING THE 18TH A WARM FRONT MOVED SE ACROSS THE REGION.

ON THE 19TH A WEAK WARM FRONT MOVED SE DOWN ACROSS ALL AREAS.

ON THE 20TH A BROAD WARM SECTOR PREVAILED AS A RIDGE (FROM A HIGH 1036MB OVER S GERMANY) ALSO EXTENDED ACROSS S ENGLAND. ON THE 21ST THIS RIDGE PERSISTED AS THE VERY MILD SW AIRSTREAM BECAME INCREASINGLY MOIST.

THE 22ND SAW A BROAD WARM SECTOR, THEN DURING LATE EVENING, A WEAKENING COLD FRONT EDGED IN. ON THE 23RD THE WEAK COLD FRONT

PERSISTED AND RETURNED AS A WEAK WARM FRONT IN THE AFTERNOON. THIS LATER DIED OUT AS THE RIDGE BECAME RE-ESTABLISHED BY THE 24TH AND INTENSIFIED ON THE 25TH AS A HIGH (1038MB) DEVELOPED JUST SW OF IRELAND.

ON THE 26TH THE HIGH (1037MB) PERSISTED JUST WEST OF THE ISLES OF SCILLY AND CONTINUED ON THE 27TH & 28TH. ON THE 29TH THE HIGH (1035MB) MOVED EASTWARDS TO MID-GERMANY WHILST MAINTAINING A RIDGE TO ENGLAND & CORNWALL.

ON THE 30TH A SLACK RIDGE PERSISTED WHILE ON THE 31ST AN EASTERLY BREEZE DEVELOPED AS A WEAK COLD FRONT TO THE NORTH DIED OUT.

THE JET STREAM WAS TO THE NW OF THE UK ON THE 19TH & 20TH, 21ST & 22ND & 26TH-31ST. IT WAS TO THE WEST ON THE 1ST & 17TH. IT WAS OVER THE UK ON THE 2ND, 3RD, 5TH, 6TH & FROM 8TH-18TH INCLUSIVE, AND FROM THE 23RD-25TH INCLUSIVE. IT WAS TO THE SW ON THE 7TH & TO THE SOUTH ON THE 4TH.

MARCH TURNED OUT TO BE WARMER AND WETTER THAN NORMAL. THE FIRST THREE WEEKS SAW CONSTANT RAIN, SOME OF WHICH WAS HEAVY, BUT THE LAST WEEK BECAME DRIER AS PRESSURE ROSE STEADILY. THE HEAVIEST FALLS OF RAIN WERE 12.8MM ON THE 1ST, 11.2MM ON THE 2ND, 10.5MM ON THE 9TH, 12.7MM ON THE 12TH, AND 13.6MM ON THE 16TH.

HAIL OCCURRED ON THE 4TH AT 1335 GMT & 1435 GMT, THE 10TH AT 1305 GMT & 1730 GMT, THE 12TH AT 1337 GMT & 2133 GMT & ON THE 17TH DURING THE EARLY HOURS.

THE MAIN WIND DIRECTION WAS WESTERLY, CLOSELY FOLLOWED BY SOUTHWESTERLY. THE MAXIMUM (ESTIMATED) WIND GUST WAS 38KT (43 MPH) DURING THE EARLY HOURS OF THE 10TH.

THE MEAN MAX. TEMP. WAS THE HIGHEST IN ANY MARCH SINCE 2012. THE MEAN TEMPERATURE WAS THE HIGHEST IN ANY MARCH SINCE 2017. THE HIGHEST MIN. TEMP. WAS THE HIGHEST (IN MARCH) ON RECORD (BACK TO 1987). THE MAXIMUM DAILY TEMP. RANGE WAS THE HIGHEST IN ANY MARCH SINCE 2012 AND THE MEAN SW SEA TEMP WAS THE HIGHEST IN ANY MARCH SINCE 2007.

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

