

STITHIANS WEATHER SUMMARY

APRIL 2019

HIGHEST MAXIMUM TEMPERATURE	22.1C (20th)
HIGHEST MINIMUM TEMPERATURE	11.1C (23rd)
LOWEST MAXIMUM TEMPERATURE	07.2C (03 rd & 14th)
LOWEST MINIMUM TEMPERATURE	-02.1C (12th)
MEAN MAXIMUM TEMPERATURE	12.6C (10YR) 12.5C (31YR) 12.0C
MEAN MINIMUM TEMPERATURE	05.3C (10YR) 04.2C (31YR) 04.4C
MEAN TEMPERATURE FOR MONTH	08.9C (10YR) 08.3C (31YR) 08.2C
MAX. DAILY TEMPERATURE RANGE	18.1C (21st)
MEAN DAILY TEMPERATURE RANGE	07.3C
TOTAL RAINFALL	102.9MM (10YR) 84.8MM (31YR) 88.8MM
MAXIMUM RAINFALL IN 24 HOURS	22.0MM (03rd)
RAIN DAYS (0.2MM OR MORE)	19
WET DAYS (1.0MM OR MORE)	15
DAYS WITH RAIN INCLUDED	22
DAYS WITH HAIL	03
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	02
MAXIMUM ATMOSPHERIC PRESSURE	1030.0 MB (20th)
MINIMUM ATMOSPHERIC PRESSURE	987.0 MB (04th)
MEAN ATMOSPHERIC PRESSURE	1012.0 MB (31YR MEAN) 1014.6 MB
MEAN SOUTHWEST SEA TEMPERATURE	10.6C (APR 1986-2018 AVE) 10.1C
10YR RUNNING MEAN SW SEA TEMP	(APR 2009-2018) 10.3C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A WEAK RIDGE OF HIGH PRESSURE COVERED THE REGION.

ON THE 2ND A COLD FRONT CLEARED EARLY, BEING FOLLOWED BY A COLDER, SHOWERY WESTERLY AIRSTREAM.

BY THE 3RD A SHOWER TROUGH CLEARED IN THE EARLY AFTERNOON AND AN OCCLUSION ARRIVED IN THE EVENING, WHILE A COLD WESTERLY AIRSTREAM PERSISTED.

THE 4TH SAW A LOW (975MB) W WALES MOVE SLOWLY NW AS THE SHOWERY WESTERLY AIRSTREAM CONTINUED.

BY THE 5TH A WAVE LOW (996MB) W CORNWALL MOVED AWAY NORTHWESTWARDS ALLOWING A BRISK EASTERLY AIRSTREAM TO BECOME ESTABLISHED ON 6TH.

BY THE 7TH AN OCCLUSION WAS EDGING UP TOWARDS THE ISLES OF SCILLY & SW CORNWALL AS A NE/E AIRSTREAM CONTINUED. THIS OCCLUSION LINGERED ALL DAY ON THE 8TH AND ON 9TH DIED OUT AS A NEW OCCLUSION MOVED DOWN FROM THE NE IN THE EVENING, CLEARING OVERNIGHT.

ON THE 9TH A HIGH (1033MB) NW NORWAY SPREAD A RIDGE ACROSS THE UK WHICH CONTINUED ON THE 10TH, 11TH, 12TH & 13TH AS IT BECAME A BLOCKING FEATURE.

DURING THE EVENING OF THE 13TH PRESSURE FELL AWAY AS A FRONTAL SYSTEM EDGED IN FROM THE WEST WHICH PERSISTED THROUGHOUT THE 14TH.

AN OCCLUSION MOVED NE DURING THE 15TH BEFORE CLEARING OVERNIGHT.

ON THE 16TH A SLACK AREA OF LOW PRESSURE PREVAILED OVER THE REGION. BY THE 17TH THERE WAS A VERY WEAK RIDGE AND EASTERLY AIRSTREAM WHICH CONTINUED ON THE 18TH, 19TH & 20TH AS THE RIDGE STEADILY INTENSIFIED.

THE, BY NOW WEAKENING, RIDGE PERSISTED ON THE 21ST BEFORE BECOMING A SLACK 'COL' AREA LATE IN THE DAY WHICH CONTINUED INTO THE 22ND AS PRESSURE FELL AWAY.

ON THE 23RD LOW PRESSURE PREVAILED TO THE SW AS AN OCCLUSION ARRIVED DURING THE EVENING. THIS CLEARED DURING THE MORNING OF THE 24TH & ON THE 25TH THERE WAS A SLIGHTLY SHOWERY SOUTHWESTERLY AIRSTREAM AS A LOW (987MB) DRIFTED TO THE WEST OF THE ISLES OF SCILLY.

A WEAK OCCLUSION CLEARED EARLY ON 26TH BEFORE A FRONTAL SYSTEM ARRIVED LATE AFTERNOON. THIS WAS ASSOCIATED WITH STORM 'HANNAH' (991MB)

POSITIONED AT 52N/20.5W AT 0600 GMT AND BY 1800 GMT THIS HAD DEEPEMED TO 984MB AND WAS JUST SW OF GALWAY AS IT'S ASSOCIATED OCCLUSION QUICKLY CLEARED AWAY EASTWARDS.

THE 28TH SAW A MOIST SOUTHWESTERLY AIRSTREAM WITH A WEAK WARM FRONT WHICH WAS INTERSECTED BY A RIDGE OF HIGH PRESSURE WHICH SET-UP PERSISTED THROUGHOUT THE 29TH.

ON THE 30TH THE RIDGE CONTINUED AS A COLD FRONT SLOWLY APPROACHED FROM THE WEST TOWARDS MIDNIGHT.

THE MAIN ATLANTIC JET STREAM WAS TO THE NW ON THE 20TH & 21ST, TO THE WEST ON THE 1ST, 11TH, 12TH, 19TH, 22ND, 29TH AND 30TH. IT WAS OVER THE UK ON THE 13TH & 28TH. IT WAS TO THE SW ON THE 2ND, 3RD, 14TH-18TH, 23RD & 27TH. IT WAS TO THE SOUTH FROM THE 4TH TO THE 10TH INCLUSIVE.

APRIL WAS ANOTHER MIXED MONTH WEATHERWISE WITH BOTH TEMPERATURES AND RAINFALL A LITTLE ABOVE NORMAL. THE FIRST HALF WAS CHANGEABLE BEFORE A DRIER WEEK WAS LATER REPLACED BY MORE RAIN DURING THE FINAL NINE DAYS. THE MAXIMUM TEMPERATURE WAS A NEW 'HIGHEST' EVER RECORDED HERE FOR APRIL. SOME OF THE NIGHTS WERE AGAIN CHILLY RESULTING IN TWO AIR FROSTS OCCURRING. 16.0MM AND 16.1MM OF RAIN FELL ON THE 13TH & 15TH RESPECTIVELY. HAIL WAS RECORDED ON THE 2ND AT 0730, 1246, 1750, 1809 & 2220, ON THE 3RD AT 1000 & 1604 & ON THE 14TH DURING THE EARLY HOURS & AT 1335 (ALL TIMES QUOTED ARE GMT) THE MAXIMUM (ESTIMATED) WIND GUST WAS 33KT (38 MPH) DURING THE LATE EVENING OF THE 13TH. THE MAIN WIND DIRECTION FOR THE MONTH WAS EASTERLY.

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.