

STITHIANS WEATHER SUMMARY

MAY 2020

HIGHEST MAXIMUM TEMPERATURE	23.5C (27th)
HIGHEST MINIMUM TEMPERATURE	12.3C (31st)
LOWEST MAXIMUM TEMPERATURE	09.5C (05th)
LOWEST MINIMUM TEMPERATURE	-01.9C (12th)
MEAN MAXIMUM TEMPERATURE	16.7C (10YR) 15.2C (32YR) 14.9C
MEAN MINIMUM TEMPERATURE	06.0C (10YR) 07.1C (32YR) 07.2C
MEAN TEMPERATURE FOR MONTH (32YR) 11.0C	11.3C (10YR) 11.1C
MAX. DAILY TEMPERATURE RANGE	18.5C (25th)
MEAN DAILY TEMPERATURE RANGE	10.7C
TOTAL RAINFALL FOR THE MONTH	58.0MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	63.2MM
TOTAL RAINFALL (32 YRS LONG TERM AVE)	69.3MM
MAXIMUM RAINFALL IN 24 HOURS	33.1MM (04TH)
RAIN DAYS (0.2MM OR MORE)	09
WET DAYS (1.0MM OR MORE)	06
DAYS WITH RAIN INCLUDED	11
DAYS WITH HAIL	00
DAYS WITH THUNDER	01
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	04

MAXIMUM ATMOSPHERIC PRESSURE	1037.0 MB (26th)
MINIMUM ATMOSPHERIC PRESSURE	1002.0 MB (01st)
MEAN ATMOSPHERIC PRESSURE 1016.4 MB	1021.6 MB (32YR MEAN)
MEAN SOUTHWEST SEA TEMPERATURE	12.2C (MAY 1986-2019 AV) 11.5C
10YR RUNNING MEAN SW SEA TEMP	(MAY 2010-2019) 11.8C

NOTES

SYNOPTIC SITUATION: THE 1ST SAW A SLIGHTLY SHOWERY WESTERLY AIRSTREAM AND ON THE 2ND THERE WAS A SLACK AREA OF LOW PRESSURE BEFORE A WARM FRONT ARRIVED FROM THE SOUTH DURING THE EVENING.

AFTER THIS CLEARED EARLY ON THE 3RD, THERE WAS A WEAK RIDGE (FROM A HIGH 1021MB SW FRANCE). ON THE 4TH PRESSURE SLOWLY FELL AND THE EASTERLY GRADIENT INCREASED TOWARDS EVENING AS AN ACTIVE OCCLUSION ARRIVED FROM THE SOUTH. ON THE 5TH THIS WEAKENING OCCLUSION PERSISTED ALL DAY. BY THE 6TH THE OLD OCCLUSION BEGAN TO BREAK UP AS A HIGH (1028MB) FORMED OVER NE ENGLAND.

ON THE 7TH A WEAKENING SHOWER TROUGH CLEARED EARLY MORNING AS THE HIGH (1025MB) MOVED TO HOLLAND WHILST MAINTAINING A RIDGE TO AND OVER THE UK.

BY THE 8TH A SHOWER TROUGH WAS STRETCHED FROM CORNWALL TO DARTMOOR. ON THE 9TH A SLACK AREA OF LOW PRESSURE COVERED THE UK WHICH CONTINUED ON THE 10TH BEFORE A WEAKENING COLD FRONT CLEARED FROM THE NORTH IN THE EVENING. THIS THEN INTRODUCED A MUCH COLDER AND MODIFIED ARCTIC AIRSTREAM.

ON THE 11TH A HIGH (1036MB) TO THE SOUTH OF ICELAND PUSHED A STRENGTHENING RIDGE TO AND OVER THE UK AND ON THE 12TH THIS HIGH (1028MB) SE ICELAND HAD IT'S RIDGE COVERING THE UK.

THIS WEAKENED ON THE 13TH AS A WEAK COLD FRONT MOVED SOUTHWARDS AND CLEARED DURING THE EVENING. DURING THE

14TH AND 15TH THE HIGH (1030MB) HAD DRIFTED SOUTHWARDS TO THE WEST OF IRELAND AS IT'S RIDGE AGAIN STRENGTHENED. ON THE 16TH THE HIGH (1029MB) HAD MOVED TO THE SW OF THE ISLES OF SCILLY WHILST MAINTAINING A RIDGE TO AND OVER THE UK. THIS CONTINUED ON THE 17TH AND 18TH AS THE HIGH (1027MB) TOOK UP A POSITION TO THE WEST OF BRITTANY. THIS SITUATION CONTINUED ON THE 19TH AS THE HIGH DRIFTED NORTHEASTWARDS TO PLYMOUTH.

BY THE 20TH THE HIGH (1028MB) HAD MOVED TO HOLLAND AS PRESSURE SLOWLY FELL ACROSS THE UK. MEANWHILE, A NORTH:SOUTH ORIENTED COLD FRONT WAS STRUNG OUT TO THE WEST OF IRELAND WHICH PASSED THROUGH OVERNIGHT.

ON THE 21ST AS A WEAK RIDGE RETURNED (FROM A HIGH 1022MB OVER W NORMANDY) A LOW 967MB WAS AT 49N/22W AND THE FRONTAL SYSTEM FROM THIS CLEARED OVERNIGHT.

ON THE 22ND THE LOW (969MB) HAD MOVED TO 55N/15W AS A FRESH TO STRONG SW AIRSTREAM AFFECTED THE REGION WHICH CONTINUED ON THE 23RD AS THE LOW (976MB) MOVED TO THE FAEROE ISLANDS.

BY THE 24TH, A NEW HIGH (1036MB) HAD FORMED OVER THE ISLES OF SCILLY WHICH BECAME THE DOMINATING FEATURE ON THE 25TH AND 26TH AS THE HIGH (1038MB) BECAME POSITIONED TO THE SW OF KERRY LINKED BY A RIDGE TO A HIGH (1036MB) OVER SOUTHERN DENMARK.

A WEAKENING COLD FRONT EDGED IN DURING THE EVENING OF THE 26TH WHICH LATER BROKE UP AND DIED OUT.

BY THE 27TH THE HIGH (1038MB) WAS OVER THE ISLE OF MAN AND HAD MOVED TO THE SOUTHERN NORTH SEA (1036MB) ON THE 28TH WHILST STILL BEING THE DOMINANT FEATURE. THIS CONTINUED ON THE 29TH AS THE HIGH (1032MB) TRANSFERRED TO S SCANDINAVIA.

BY THE 30TH THE RIDGE (FROM THE HIGH 1036MB) MID SCANDINAVIA PERSISTED OVER THE UK WHICH SITUATION CONTINUED ON THE 31ST.

THE MAIN ATLANTIC JET STREAM WAS TO THE SOUTH OF THE UK ON THE 1ST, 5TH & 6TH. IT WAS TO THE SW FROM THE 7TH-14TH AND ON THE 17TH. IT WAS OVER THE UK FROM THE 2ND-4TH, 16TH, 18TH, 21ST-24TH & 27TH. IT WAS TO THE WEST ON THE 15TH, 19TH AND 20TH, THE 26TH AND 28TH-31ST AND TO THE NW ON THE 25TH.

WITH HIGH PRESSURE LARGELY DOMINATING THE MONTH THERE WAS A LOT OF DRY WEATHER AROUND! MOST OF THE RAINFALL OCCURRED ON ONLY TWO DAYS, NAMELY THE 4TH WITH 33.0MM AND THE 5TH WITH 11.2MM, WITH SCATTERED LIGHT AMOUNTS OTHERWISE.

NO RAIN AT ALL OCCURRED BETWEEN THE 11TH AND 20TH AND FROM THE 24TH-31ST INCLUSIVE. THERE WAS PLENTY OF SUNSHINE, ESPECIALLY FROM 11TH ONWARDS.

THIS HAD THE EFFECT OF BRINGING SOME WARM OR VERY WARM DAYS, DURING WHICH THERE WERE ALSO HIGH OR VERY LEVELS OF UV. THERE WERE ALSO SOME COLD NIGHTS, INCLUDING FOUR SLIGHT AIR FROSTS CLOSE TO MID MONTH.

THE MAIN WIND DIRECTION WAS NORTHEASTERLY, FOLLOWED BY EASTERLY. THE MAX (ESTIMATED) WIND GUST FOR THE MONTH WAS 34KT (39 MPH) WHICH OCCURRED DURING THE EARLY HOURS OF THE 5TH.

THUNDER WAS HEARD TO THE EAST AT 1604 GMT ON THE 10TH.

THE MEAN TEMPERATURE FOR THE MONTH WAS SLIGHTLY ABOVE NORMAL. THE MEAN MAX TEMP IS THE SAME AS IN MAY 2018.

THE MONTH HAD THE LOWEST NUMBER OF DAYS WITH RAIN SINCE MAY 2001.

THE MEAN DAILY TEMP RANGE IS A NEW HIGHEST IN ANY MAY SINCE RECORDS BEGAN HERE (1987). IT WAS ALSO THE HIGHEST MEAN PRESSURE IN ANY MAY SINCE 1991 AND THE MONTH SAW THE HIGHEST NUMBER OF AIR FROSTS IN ANY MAY SINCE 1996.

THE SPRING AS A WHOLE HAD TEMPERATURES WHICH WERE CLOSE TO NORMAL. IT WAS THE DRIEST SPRING HERE SINCE 2015 AND WITH ONLY 39 DAYS WITH RAIN, THIS WAS THE LOWEST EVER RECORDED HERE (AGAIN BACK TO 1987).

PLEASE NOTE THAT WE NOW HAVE A NEW WEBSITE WHICH CAN BE FOUND AT: www.stithiansweather.co.uk

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 METEOROLOGICAL 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 IS PASSED TO THE WEATHERNET ORGANISATION IN BOURNEMOUTH.