

STITHIANS WEATHER SUMMARY

JULY 2020

HIGHEST MAXIMUM TEMPERATURE	23.1C (22nd)
HIGHEST MINIMUM TEMPERATURE	16.2C (25th)
LOWEST MAXIMUM TEMPERATURE	16.1C (10th)
LOWEST MINIMUM TEMPERATURE	03.4C (12th)
MEAN MAXIMUM TEMPERATURE :	19.2C (10YR) 20.3C (32YR) 19.2C
MEAN MINIMUM TEMPERATURE:	11.0C (10YR) 12.0C (32YR) 11.8C
MEAN TEMPERATURE FOR MONTH: (32YR) 15.5C	15.1C (10YR) 16.1C
MAX DAILY TEMPERATURE RANGE	18.0C (12th)
MEAN DAILY TEMPERATURE RANGE	08.1C
TOTAL RAINFALL FOR THE MONTH	51.1MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	73.8MM
TOTAL RAINFALL (32 YRS LONG TERM AV)	83.8MM
MAXIMUM RAINFALL IN 24 HOURS	12.0MM (03rd)
RAIN DAYS (0.2MM OR MORE)	16
WET DAYS (1.0MM OR MORE)	10
DAYS WITH RAIN INCLUDED	20
DAYS WITH HAIL	00
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00

MAXIMUM ATMOSPHERIC PRESSURE	1029.0 MB (11th)
MINIMUM ATMOSPHERIC PRESSURE	1003.0 MB (27th)
MEAN ATMOSPHERIC PRESSURE	1018.7 MB (32YR MEAN) 1016.8 MB
MEAN SW SEA TEMP:	(JUL 1986-2019 AV) 16.0C
10YR RUNNING MEAN SW SEA TEMP	(JUL 2010-2019) 16.6C
MEAN SW SEA TEMP JULY 2020:	16.2C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A WEAK SHOWER TROUGH CLEARED LATE MORNING AS A LOW (1003MB) PERSISTED OVER NE ENGLAND.

A WEAK OCCLUSION CLEARED EASTWARDS EARLY ON THE 2ND, BEING FOLLOWED BY A RIDGE OF HIGH PRESSURE. THIS DECLINED ON THE 3RD BEFORE A FRONTAL SYSTEM ARRIVED LATE AFTERNOON.

ON THE 4TH THERE WAS A BROAD WARM SECTOR.

EARLY ON THE 5TH A COLD FRONT PASSED THROUGH BRINGING A FRESH WESTERLY AIRSTREAM IN IT'S WAKE. A LOW (981MB) OVER SW NORWAY PUSHED AN ISOBARIC TROUGH ACROSS SCOTLAND.

BY THE 6TH A RIDGE WAS AFFECTING IRELAND AND SW ENGLAND WHICH PERSISTED ON THE 7TH AS A WEAK WARM FRONT EDGED IN TO THE NORTH. THIS SITUATION CONTINUED ON THE 8TH BEFORE THE RIDGE DECLINED AS A NEW LOW (1009MB) FORMED NEAR SHANNON. BY 9TH THIS HAD MOVED EASTWARDS TO EAST WALES (1010MB) AS A COLD FRONT AND AN OCCLUSION MOVED SOUTHEASTWARDS, THIS CLEARING BY THE EARLY EVENING.

THE 10TH SAW PRESSURE RISING AS A MID ATLANTIC HIGH (1029MB) MOVED EASTWARDS TO BE SW OF SHANNON ON THE 11TH.

BY THE 12TH THIS HAD BECOME THE DOMINANT FEATURE OVER THE UK.

ON THE 13TH PRESSURE DECLINED AS A COLD FRONT SLOWLY EDGED IN. THIS CLEARED OVERNIGHT LEAVING A SLIGHT RIDGE OF HIGH PRESSURE FOR THE 14TH.

A WARM FRONT APPROACHED DURING THE EVENING OF 14TH WHICH CLEARED AROUND MIDDAY ON THE 15TH.

ON THE 16TH A RIDGE OF HIGH PRESSURE STRETCHED FROM A HIGH 1030MB AT 46N/20W WHICH CONTINUED ON THE 17TH AND 18TH.

ON THE 19TH A COLD FRONT CLEARED DURING THE EARLY HOURS, BEING FOLLOWED BY A WEAK RIDGE.

BY THE 20TH A HIGH 1029MB HAD DEVELOPED AT 47.5N/29W WHICH PRODUCED A STRONG RIDGE TO AND OVER THE UK & IRELAND. THIS CONTINUED ON THE 21ST AND 22ND.

DURING THE EARLY HOURS OF THE 23RD A WARM FRONT PASSED THROUGH LEAVING A WARM SECTOR IN IT'S WAKE. THEN ON THE 24TH ANOTHER WARM FRONT ARRIVED FROM THE WEST, AGAIN LATER BEING REPLACED BY A WARM SECTOR.

THE COLD FRONT CLEARED DURING THE AFTERNOON OF THE 25TH BEFORE A WEAK RIDGE ARRIVED ON THE 26TH AND A WARM FRONT CAME IN DURING THE EVENING.

BY THE 27TH A LOW (994MB) WAS OVER CENTRAL IRELAND AND IT'S COLD FRONT CLEARED EARLY AFTERNOON.

ON THE 28TH THERE WAS A RIDGE OF HIGH PRESSURE WHICH DEVELOPED INTO A HIGH (1023MB) W BRITTANY BY THE 29TH.

ON THE 30TH PRESSURE DECLINED AS THE HIGH (1022MB) HOLLAND MOVED AWAY.

THE 31ST SAW A COLD FRONT MOVE SLOWLY EASTWARDS DURING THE DAY, FINALLY CLEARING CORNWALL IN THE LATE AFTERNOON.

THE MAIN ATLANTIC JET STREAM WAS FRAGMENTED BETWEEN THE 18TH AND 23RD JULY, OTHERWISE IT WAS TO THE NW ON THE 13TH AND 16TH-20TH.

IT WAS TO THE WEST ON THE 2ND-3RD, 12TH, 15TH, 22ND-24TH, 30TH AND 31ST.

IT WAS OVER THE UK THE ON 1ST, 4TH-10TH, 14TH, 21ST AND 26TH-29TH AND WAS TO THE SW ON THE 11TH AND 25TH.

JULY WAS ALMOST THE COMPLETE OPPOSITE OF JUNE! ALTHOUGH THERE WERE SOME PERIODS OF SUNSHINE IT WAS A RATHER CLOUDY MONTH WITH BOTH BELOW AVERAGE TEMPERATURES AND RAINFALL. THERE WAS A SCATTERING OF DRY DAYS INTERMIXED WITH FAIRLY

LIGHT AMOUNTS OF RAINFALL. THE WETTEST DAY WAS THE 3RD WITH 12.0MM. IT TURNED OUT TO BE THE DRIEST JULY SINCE 2016.

THE MEAN MAX TEMP WAS THE LOWEST IN JULY SINCE 2015.

THE MEAN MIN TEMP WAS THE LOWEST IN JULY SINCE 2011 AND THE MEAN TEMP WAS THE LOWEST IN JULY SINCE 2012.

THE MAIN WIND DIRECTION FOR THE MONTH WAS SOUTHWESTERLY AND THE (ESTIMATED) MAXIMUM WIND GUST WAS 30KT (34 MPH) DURING THE EARLY HOURS OF THE 27TH.

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 AND 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.