

# STITHIANS WEATHER SUMMARY

## JULY 2021

HIGHEST MAXIMUM TEMPERATURE	28.2C (21st)
HIGHEST MINIMUM TEMPERATURE	17.6C (23rd)
LOWEST MAXIMUM TEMPERATURE	16.2C (09 <sup>th</sup> & 11th)
LOWEST MINIMUM TEMPERATURE	06.7C (02nd)
MEAN MAXIMUM TEMPERATURE	20.8C (10YR) 20.2C (33YR) 19.2C
MEAN MINIMUM TEMPERATURE	12.8C (10YR) 11.8C (33YR) 11.8C
MEAN TEMPERATURE FOR MONTH	16.8C (10YR) 16.0C (33YR) 15.5C
MAX DAILY TEMPERATURE RANGE	16.6C (21st)
MEAN DAILY TEMPERATURE RANGE	08.0C
TOTAL RAINFALL FOR THE MONTH	109.6 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	71.2 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	82.9 MM
MAXIMUM RAINFALL IN 24 HOURS	22.8 MM (03rd)
RAIN DAYS (0.2MM OR MORE)	16
WET DAYS (1.0MM OR MORE)	14
DAYS WITH RAIN INCLUDED	19
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 (16th)

MINIMUM ATMOSPHERIC PRESSURE	991.0 MB (06th)
MEAN ATMOSPHERIC PRESSURE	1015.8 MB (33YR MEAN) 1016.9 MB
MEAN SW SEA TEMP (JULY 1986-2020 AV)	16.0C
10YR RUNNING MEAN SW SEA TEMP	(JULY 2011-2020) 16.5C
MEAN SW SEA TEMP JULY 2021:	16.7C

## NOTES

SYNOPTIC SITUATION: ON 1ST A HIGH (1020MB) HAD FORMED SW OF BRITTANY AS A SLACK AREA OF PRESSURE COVERED THE UK AND IRELAND WHICH CONTINUED ON THE 2ND BEFORE AN OCCLUSION ARRIVED IN THE EVENING. ON THE 3RD THIS CLEARED EARLY TO BE FOLLOWED BY A SHOWERY SW AIRSTREAM. BY THE 4TH A LOW (994MB) AT 52.5N/21W WAS PUSHING SHOWER TROUGHS UP ACROSS THE UK. ON THE 5TH A DEEPENING LOW (995MB) CAME UP FROM THE SW, CROSSING THE SOUTH COAST AND REACHING LONDON (991MB) BY 0600 GMT ON THE 6TH AS A SHOWERY WESTERLY AIRSTREAM ARRIVED. AN OCCLUSION CAME IN FROM THE NW IN THE LATE AFTERNOON.

ON THE 7TH THE LOW (999MB) HAD MOVED TO THE NE OF SCOTLAND AND AN OCCLUSION GRADUALLY CLEARED IN THE EARLY AFTERNOON.

BY THE 8TH A RIDGE (FROM A HIGH 1029MB ENE OF THE AZORES) WHICH HAD DEVELOPED AS A WEAK OCCLUSION DIED OUT AND BROKE UP.

A WEAK RIDGE COVERED THE UK ON THE 9TH BEFORE TWO OCCLUSIONS EDGED IN LATER IN THE DAY. THESE BECAME SLOW MOVING OVERNIGHT. ON THE 10TH A QUASI-STATIONARY SHOWER TROUGH DIED OUT BY THE EVENING.

BY THE 11TH A LOW (1007MB) W OF GALWAY PUSHED AN OCCLUDING FRONTAL SYSTEM IN FROM THE WEST WHICH BECAME SLOW MOVING, FINALLY CLEARING IN THE LATE EVENING.

A SLACK AREA OF LOW PRESSURE COVERED THE UK ON THE 12TH. BY THE 13TH THERE WAS A MODERATE W-NW AIRSTREAM AND BY THE 14TH A RIDGE HAD ARRIVED (FROM A HIGH 1030MB NE OF AZORES) WHICH PERSISTED ON THE 14TH AND 15TH.

BY THE 16TH AND 17TH THE HIGH (1031MB) HAD MOVED TO THE WEST OF IRELAND WHILE MAINTAINING A RIDGE OVER THE UK AND IRELAND. THIS SITUATION CONTINUED ON THE 18TH AND 19TH.

BY THE 20TH THE HIGH HAD MOVED TO THE MID-ATLANTIC WHILE THE RIDGE OVER THE UK AND IRELAND WAS MAINTAINED.

THE 21ST SAW A BAND OF HIGH PRESSURE COVERING THE UK FROM WEST TO EAST AND ON THE 22ND THE HIGH (1026MB) NW SCOTLAND DOMINATED THE WEATHER ACROSS THE UK AND IRELAND.

BY THE 23RD THE HIGH (1023MB) HAD MOVED TO FAIRISLE WITH A RIDGE TO EASTERN ENGLAND AND BELGIUM AND A LOW (1010MB) MID-BISCAY PUSHED AN ISOBARIC TROUGH UP FROM THE SOUTH.

ON THE 24TH AN OCCLUSION CLEARED EARLY TO BE FOLLOWED BY A SLACK AREA OF LOW PRESSURE.

ON THE 25TH THE LOW (1006MB) OVER NORTHERN FRANCE MOVED AWAY AS PRESSURE ACROSS THE UK REMAINED SLACK WHICH SITUATION CONTINUED ON THE 26TH.

ON THE 27TH A SHOWER TROUGH CLEARED IN THE EARLY HOURS AS A NEW LOW (1007MB) DEVELOPED TO THE NORTH OF THE ISLES OF SCILLY.

ON THE 28TH A LOW (1000MB) SE SCOTLAND PUSHED SHOWER TROUGHS ACROSS THE SW REGION.

THE 29TH SAW A WEAK RIDGE BEFORE A DEEPENING LOW (1007MB) SWEEPED UP FROM THE SOUTHWEST. THIS WAS LATER NAMED STORM 'EVERT' WHICH WAS AT 50N/10.3W (1003MB) AT 1200 GMT AND AT 50N/09W (997MB).

BY 1800 GMT ON THE 30TH THE LOW (992MB) HAD MOVED TO CARDIFF AS A SLIGHTLY SHOWERY W/NW AIRSTREAM ARRIVED. THIS SITUATION PERSISTED ON THE 31ST.

THE MAIN NORTH ATLANTIC JET STREAM GRADUALLY STRENGTHENED AND BECAME MORE ORGANISED FROM ABOUT MID-MONTH. IT WAS TO THE NW OF THE UK FROM THE 16TH TO THE 23RD, TO THE WEST ON THE 15TH AND FROM THE 24TH-28TH.

IT WAS OVER THE U.K. ON THE 8TH, 14TH, 29TH & 30TH.

IT WAS TO THE SW FROM THE 1ST-4TH, 6TH, 9TH-13TH & 31ST AND TO THE SOUTH ON THE 5TH AND 7TH.

JULY WAS WETTER AND WARMER THAN NORMAL WITH DAILY RAINFALL FROM THE 2ND-11TH.

FROM THE 12TH TO THE 22ND THERE WAS A DRY SPELL, DURING WHICH IT BECAME WARM OR VERY WARM WITH THE MAXIMUM TEMPERATURE PEAKING AT 28.2C ON THE 21ST.

THEREAFTER, AND WITH MINIMAL RAINFALL AMOUNTS, IT ALSO BECAME COOLER. LARGER DAILY RAINFALL TOTALS INCLUDED 22.8MM ON THE 3RD, 21.2MM ON THE 5TH, 15.0MM ON THE 9TH, 13.6MM ON THE 11TH AND 10.7MM ON THE 29TH. THIS LAST VALUE WAS FROM STORM 'EVERT'.

THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 35KT (40 MPH) WHICH OCCURRED AT AROUND 0030 GMT ON THE 30TH.

THE PREDOMINANT WIND DIRECTION WAS WESTERLY, FOLLOWED BY SOUTHWESTERLY.

IT WAS THE WETTEST JULY SINCE 2017, THE WARMEST SINCE 2018 AND THE 21ST SAW THE SECOND HIGHEST MAX. TEMP EVER RECORDED HERE. (THE PREVIOUS HIGHEST WAS 29.8C ON 14TH JULY, 2013 – STRANGELY ENOUGH, FOLLOWING ANOTHER COLD SPRING!)

PLEASE NOTE THAT WE HAVE A VERY INFORMATIVE AND MUCH MORE DETAILED WEBSITE WHICH CAN BE FOUND AT: [stithiansweather.co.uk](http://stithiansweather.co.uk)

ALL READINGS TAKEN BY PAUL RICHARDS AT 40 CRELOW FIELDS, STITHIANS. MAIN OBSERVATIONS ARE CARRIED OUT AT 0900 GMT AND 2100 GMT 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