

# STITHIANS WEATHER SUMMARY

## MARCH 2021

HIGHEST MAXIMUM TEMPERATURE	17.1C (31st)
HIGHEST MINIMUM TEMPERATURE	09.2C (16th)
LOWEST MAXIMUM TEMPERATURE	06.0C (05th)
LOWEST MINIMUM TEMPERATURE	-06.3C (07th)
MEAN MAXIMUM TEMPERATURE	10.6C (10YR) 10.0C (33YR) 09.9C
MEAN MINIMUM TEMPERATURE	04.0C (10YR) 03.6C (33YR) 04.0C
MEAN TEMPERATURE FOR MONTH	07.3C (10YR) 06.8C (33YR) 06.9C
MAX DAILY TEMPERATURE RANGE	13.9C (08th)
MEAN DAILY TEMPERATURE RANGE	06.5C
TOTAL RAINFALL FOR THE MONTH	72.5 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	112.1 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	103.1 MM
MAXIMUM RAINFALL IN 24 HOURS	21.1 MM (12th)
RAIN DAYS (0.2MM OR MORE)	13
WET DAYS (1.0MM OR MORE)	08
DAYS WITH RAIN INCLUDED	15
DAYS WITH HAIL	04
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	04
MAXIMUM ATMOSPHERIC PRESSURE	1036.0 MB (17th)

MINIMUM ATMOSPHERIC PRESSURE	995.0 MB (11th)
MEAN ATMOSPHERIC PRESSURE	1022.9 MB (33YR MEAN) 1016.4 MB
MEAN SW SEA TEMP (MAR 1986-2020 AV)	09.5C
10YR RUNNING MEAN SW SEA TEMP	(MAR 2011-2020) 09.7C
MEAN SW SEA TEMP MARCH 2021:	10.2C

## **NOTES**

SYNOPTIC SITUATION: ON THE 1ST A HIGH (1037MB) LITHUANIA STRETCHED A STRONG BLOCKING RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 2ND A HIGH (1040MB) NE ITALY LINKED TO A HIGH (1036MB) SW NORWAY AND A LOW (1017MB) WAS NW OF SANTANDER.

ON THE 3RD A LOW (1025MB) HAD DRIFTED NE TO WEST CORNWALL BRINGING A SHOWER TROUGH AND AN OCCLUSION TO SW ENGLAND.

BY THE 4TH A HIGH (1035MB) FAEROES PUSHED A RIDGE TO AND OVER THE UK WHICH, BY THE 5TH HAD MOVED TO BE OVER DUNDEE (1036MB) AND BY THE 6TH IT WAS OVER CUMBRIA.

THE 7TH SAW THE HIGH (1030MB) BRISTOL BUT BY THE 8TH THIS HAD DECLINED TO 1036MB TO THE WEST OF THE ISLES OF SCILLY.

BY THE 9TH A WEAKENING RIDGE (FROM A HIGH 1028MB AZORES) COLLAPSED AS A MILDER SW AIRSTREAM ARRIVED.

ON THE 10TH THERE WAS A FRONTAL SYSTEM WHICH PERSISTED ALL DAY BEFORE THE COLD FRONT CLEARED IN THE EVENING.

ON THE 11TH A STRONG AND SHOWERY WESTERLY AIRSTREAM PREVAILED WHICH CONTINUED ON THE 12TH BEFORE AN ACTIVE FRONTAL SYSTEM CAME IN DURING THE EVENING. THIS CLEARED OVERNIGHT LEAVING A STRONG AND SHOWERY WESTERLY AIRSTREAM FOR THE 13TH.

ON THE 14TH THERE WAS A WEAK RIDGE OF HIGH PRESSURE. THIS RIDGE PERSISTED ON THE 15TH AS TWO WARM FRONTS EDGED UP FROM THE SW INTO IRELAND AND THE CELTIC SEA.

ON THE 16TH A RIDGE INTERSECTED A BROAD WARM SECTOR. ON THE 17TH A HIGH (1040MB) LOCATED SW OF IRELAND DOMINATED THE WEATHER ACROSS THE UK. THIS SITUATION CONTINUED ON THE 18TH AND THE 19TH.

A WEAK WARM FRONT AFFECTED THE REGION ON THE 20TH AS THE STRONG RIDGE FROM THE HIGH (1037MB) JUST WEST OF IRELAND PERSISTED.

BY THE 21ST THE HIGH (1034MB) WAS AT 50.0N/10.5W WHICH HAD MOVED TO JUST SW OF THE ISLES OF SCILLY (1029MB) BY THE 22ND.

BY THE 23RD THE HIGH (1026MB) HAD MOVED TO EUROPE, BUT WAS STILL EXTENDING A RIDGE TO ENGLAND.

ON THE 24TH A WEAK COLD FRONT CLEARED EASTWARDS DURING THE EARLY MORNING AND AN OCCLUSION ALSO CLEARED EASTWARDS EARLY MORNING OF THE 25TH. ANOTHER COLD FRONT CLEARED EASTWARDS EARLY ON THE 26TH.

BY THE 27TH A RIDGE HAD MOVED IN WHICH PERSISTED THROUGHOUT AND ON THE 28TH A WARM FRONT MOVED IN.

ON THE 29TH THIS SITUATION CONTINUED WITH A BROAD (SW/NE) WARM SECTOR AND A RIDGE FROM A HIGH (1039MB) NORTHERN ITALY.

BY THE 30TH THERE WAS LITTLE CHANGE AS A HIGH (1031MB) OVER W GERMANY CONTINUED TO EXTEND A RIDGE TO AND OVER THE UK.

ON THE 31ST THE HIGH (1035MB) HAD MOVED BACK TO N ITALY WHILST MAINTAINING A, BY NOW, WEAKENING RIDGE TO ENGLAND.

THE MAIN ATLANTIC JET STREAM VARIED THROUGHOUT THE MONTH. IT WAS TO THE NORTH OF THE UK ON THE 1ST AND 2ND, TO THE NW ON THE 3RD, 20TH-25TH AND THE 29TH-31ST. IT WAS TO THE WEST FROM THE 7TH-9TH, 12TH-13TH, 16TH, 18TH AND 19TH. IT WAS OVER THE UK ON THE 10TH, 14TH AND 15TH, THE 17TH AND 26TH-28TH AND TO THE SW FROM THE 4TH-6TH AND 11TH.

WITH HIGH PRESSURE LARGELY DOMINATING, THE MONTH WAS DRIER AND WARMER THAN AVERAGE.

IT WAS THE DRIEST MARCH SINCE 2012 AND OVERALL IT WAS THE WARMEST MARCH SINCE 2019. WITH 17.1C, THE 31ST SAW THE HIGHEST MARCH MAX. TEMP SINCE 2012. IRONICALLY THE 7TH HAD THE LOWEST MIN TEMP RECORDED HERE SINCE 2010! (-06.3C). THERE WERE A COUPLE OF DRY SPELLS & RAINFALL AMOUNTS WERE GENERALLY LIGHT, APART FROM ON THE 9TH (15.3MM) & 12TH (21.1MM).

HAIL SHOWERS OCCURRED ON THE 11TH, 12TH, 13TH AND 26TH.

THE MAIN WIND DIRECTION WAS AGAIN WESTERLY, FOLLOWED BY SOUTHWESTERLY AND THE MAXIMUM (ESTIMATED) WIND GUST WAS 37KT (42 MPH) AT AROUND 0100 GMT ON THE 11TH.

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.