

# STITHIANS WEATHER SUMMARY

## NOVEMBER 2021

HIGHEST MAXIMUM TEMPERATURE	14.7C (08th)
HIGHEST MINIMUM TEMPERATURE	12.0C (10th)
LOWEST MAXIMUM TEMPERATURE	06.7C (27th)
LOWEST MINIMUM TEMPERATURE	-01.9C (23rd)
MEAN MAXIMUM TEMPERATURE	11.2C (10YR) 11.1C (33YR) 10.7C
MEAN MINIMUM TEMPERATURE	06.6C (10YR) 06.2C (33YR) 05.7C
MEAN TEMPERATURE FOR MONTH	08.9C (10YR) 08.6C (33YR) 08.2C
MAX DAILY TEMPERATURE RANGE	11.6C (23rd)
MEAN DAILY TEMPERATURE RANGE	04.6C
TOTAL RAINFALL FOR THE MONTH	70.6 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	169.6 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	166.1 MM
MAXIMUM RAINFALL IN 24 HOURS	11.5 MM (26th)
RAIN DAYS (0.2MM OR MORE)	26
WET DAYS (1.0MM OR MORE)	16
DAYS WITH RAIN INCLUDED	25
DAYS WITH HAIL	02
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00
MAXIMUM ATMOSPHERIC PRESSURE	1033.0 MB (22 <sup>nd</sup> & 23rd)

MINIMUM ATMOSPHERIC PRESSURE	997.0 MB (01st)
MEAN ATMOSPHERIC PRESSURE	1019.9 MB (33YR MEAN) 1013.7 MB
MEAN SW SEA TEMP (NOVEMBER 1986-2020 AV)	3.0C
10YR RUNNING MEAN SW SEA TEMP (NOVEMBER 2011-2020)	13.1C
MEAN SW SEA TEMP NOVEMBER 2021:	13.4C

## **NOTES**

SYNOPTIC SITUATION: ON THE 1ST A SHOWERY WESTERLY AIRSTREAM AFFECTED ALL AREAS AS A LOW (971MB) SCOTTISH HIGHLANDS MOVED AWAY NORTH-NORTHEASTWARDS.

ON THE 2ND A LOW (985MB) E OF ICELAND STRETCHED AN ISOBARIC TROUGH TO THE WEST OF BRITTANY.

THE 3RD SAW A SHOWERY NW AIRSTREAM AND A QUASI-STATIONARY SHOWER TROUGH FROM THE ISLE OF MAN TO WEST WALES TO WEST CORNWALL WHICH SITUATION CONTINUED ON THE 3RD AS A WEAK RIDGE ARRIVED.

ON THE 4TH THE SHOWER TROUGH DIED OUT AS THE RIDGE STRENGTHENED.

ON THE 4TH A HIGH (1033MB) EXTENDED A RIDGE TO AND OVER THE UK.

BY THE 5TH A MILD AND MOIST SW AIRSTREAM HAD SPREAD ACROSS THE UK WHICH CONTINUED ON THE 6TH BEFORE A SE MOVING COLD FRONT CLEARED OVERNIGHT.

ON THE 7TH THERE WAS A RIDGE OF HIGH PRESSURE WHICH CONTINUED ON THE 8TH AS A WEAK WARM FRONT AND A MOIST WARM SECTOR ARRIVED. THIS PERSISTED ON THE 9TH.

THE 10TH SAW A WEAK COLD FRONT EDGING DOWN FROM THE NW BEFORE DYING OUT LATER.

ON THE 11TH A WEAK WARM FRONT WAS QUASI-STATIONARY FROM THE MIDLANDS TO S KERRY.

ON THE 2TH A LOW (986MB) HAD TRANSFERRED TO 56N/10W AND A BENT-BACKED OCCLUSION FROM THE CENTRE TO A FRONTAL SYSTEM NE OF SCOTLAND-CARDIFF-PLYMOUTH-NW BISCAY.

ON THE 13TH A HIGH (1023MB) MID NORTHERN SPAIN EXTENDED A RIDGE TO WESTERN UK AND IRELAND. THIS SITUATION CONTINUED ON THE 14TH AS THE HIGH (1025MB) MOVED TO 47N/10W AND A WEAK WARM FRONT STRETCHED FROM WEST CORNWALL TO MID SCOTLAND.

THE 15TH SAW LITTLE CHANGE WITH A HIGH (1031MB) AT 48N/20W WITH A RIDGE LINKING TO A HIGH (1038MB) EAST OF THE BALTIC AND A WEAK WARM FRONT LINGERED OVER THE W AND SW OF THE UK.

THERE WAS LITTLE CHANGE TO THIS SITUATION ON THE 16TH BEFORE A WEAK COLD FRONT CLEARED OVERNIGHT.

ON THE 17TH A HIGH (1031MB) AT 45N/21W PUSHED A RIDGE TO AND OVER THE UK.

THE 18TH SAW A MOIST SW AIRSTREAM AND A FURTHER PRESSURE RISE FROM A HIGH (1033MB) W BRITTANY.

ON THE 19TH A MOIST SW AIRSTREAM COVERED THE UK AS A RIDGE (FROM A HIGH 1035MB N. ITALY) PERSISTED.

A VERY BROAD WARM SECTOR AND A HIGH PRESSURE RIDGE COVERED THE UK A COLD FRONT MOVING SE OVER SCOTLAND CLEARED AWAY SOUTHWARDS OVERNIGHT.

ON THE 21ST A NEW HIGH (1037MB) TOOK UP POSITION IN THE MID ATLANTIC AS A COLDER NW AIRSTREAM SPREAD DOWN ACROSS THE UK. A SLOW MOVING SHOWER TROUGH FROM THE ISLE OF MAN TO W CORNWALL LATER DIED AWAY.

ON THE 22ND THE HIGH (1036MB) AT 55N/15W PUSHED A RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 23RD A HIGH (1037MB) WAS CLOSE TO SHANNON AIRPORT.

BY THE 24TH THE HIGH (1046MB) HAD RETREATED TO MID ATLANTIC AS A COLD FRONT EDGED DOWN ACROSS CENTRAL SCOTLAND AND NORTHERN IRELAND. A RIDGE PERSISTED ACROSS ENGLAND BEFORE THE COLD FRONT CLEARED SOUTHWARDS OVERNIGHT.

ON THE 25TH THE HIGH (1046MB) PERSISTED IN THE MID ATLANTIC AS THE RIDGE OVER THE UK CONTINUED. THE 26TH SAW A LOW (979MB) E OF SCOTLAND (STORM 'ARWEN') WITH TWO SE MOVING FRONTAL SYSTEMS OVER ENGLAND. THESE CLEARED OVERNIGHT LEAVING A SHOWERY AND COLDER W AIRSTREAM AND THE LOW (988MB) (STORM 'ARWEN') WAS POSITIONED OVER NE FRANCE ON THE 27TH.

ON THE 28TH A SHOWERY W/NW AIRSTREAM COVERED ALL AREAS OF THE UK.

ON THE 29TH A WEAK WARM FRONT WAS OVER THE WESTERN ISLES TO MID-IRELAND AND SOUTHWARDS AND A HIGH 1037MB AZORES WITH A WEAK RIDGE TO AND OVER THE UK.

THE 30TH SAW A BROAD WARM SECTOR COVERING N AND W FRANCE, UK AND IRELAND. AN OCCLUSION, FOLLOWED BY A COLD FRONT, CLEARED DURING THE EVENING.

THE MAIN ATLANTIC JET STREAM STRENGTHENED DURING THE MONTH. IT WAS TO THE NW FROM THE 14-16<sup>TH</sup> , 18-25 AND 30TH. IT WAS TO THE WEST ON THE 3RD, 6TH, 8TH, 11-13TH & 27TH. IT WAS OVER THE UK ON THE 4TH, 5TH AND 7TH, 9<sup>TH</sup> & 10TH 17TH, 26TH & 28TH-29TH. IT WAS TO THE SW ON THE 2ND AND TO THE SOUTH ON THE 1ST.

NOVEMBER WAS WARMER AND ALSO A LOT DRIER THAN NORMAL. SMALL AMOUNTS OF RAINFALL WERE EVENLY SPREAD THROUGHOUT THE MONTH EXCEPT FOR THE 26TH, WHEN 11.5MM WAS RECORDED. IT WAS OFTEN CLOUDY OR OVERCAST AND ANY SUNSHINE WAS LIMITED.

HAIL SHOWERS OCCURRED WIDELY ON THE 26TH AND AT 0925 GMT ON THE 27TH.

THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 36KT (41 MPH) OCCURRED AT AROUND 0730 GMT ON THE 27TH WHICH WAS ASSOCIATED WITH STORM 'ARWEN'.

THE PREDOMINANT WIND DIRECTION WAS WESTERLY, FOLLOWED BY NORTHWESTERLY.

IT TURNED OUT TO BE THE DRIEST NOVEMBER RECORDED HERE SINCE 2004 AND THE SECOND DRIEST NOVEMBER EVER RECORDED HERE.

THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST IN ANY NOVEMBER SINCE 2015.

THE AUTUMN AS A WHOLE SAW A MEAN MAX. TEMP OF 15.0C (HIGHEST SINCE 2014), A MEAN MIN TEMP OF 08.9C (HIGHEST SINCE 2013) AND A MEAN TEMP OF 11.9C (HIGHEST SINCE 2011). WITH A TOTAL RAINFALL OF 396.5MM IT WAS THE WETTEST AUTUMN HERE SINCE 2019 DESPITE THE DRYER NOVEMBER.

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.