

STITHIANS WEATHER SUMMARY

OCTOBER 2020

HIGHEST MAXIMUM TEMPERATURE	15.5C (20th)
HIGHEST MINIMUM TEMPERATURE	13.2C (30th)
LOWEST MAXIMUM TEMPERATURE	11.1C (13th)
LOWEST MINIMUM TEMPERATURE	-00.4C (15 th & 16th)
MEAN MAXIMUM TEMPERATURE	13.1C (10YR) 14.4C (32YR) 13.9C
MEAN MINIMUM TEMPERATURE	07.5C (10YR) 08.4C (32YR) 08.3C
MEAN TEMPERATURE FOR MONTH	10.3C (10YR) 11.4C (32YR) 11.1C
MAX DAILY TEMPERATURE RANGE	13.8C (15th)
MEAN DAILY TEMPERATURE RANGE	05.6C
TOTAL RAINFALL FOR THE MONTH	204.2MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	139.5MM
TOTAL RAINFALL (32 YRS LONG TERM AV)	142.6MM
MAXIMUM RAINFALL IN 24 HOURS	22.6MM (04th)
RAIN DAYS (0.2MM OR MORE)	28
WET DAYS (1.0MM OR MORE)	27
DAYS WITH RAIN INCLUDED	26
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	1029.0 MB (11th)
MINIMUM ATMOSPHERIC PRESSURE	983.0 MB (02nd)
MEAN ATMOSPHERIC PRESSURE	1008.4 MB (32YR MEAN) 1013.7 MB
MEAN SW SEA TEMP (OCT 1986-2019 AV)	14.7C
10YR RUNNING MEAN SW SEA TEMP	(OCT 2010-2019) 14.7C
MEAN SW SEA TEMP SEPTEMBER 2020:	14.0C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A SHOWERY OCCLUSION MOVED EASTWARDS AS A NEW LOW (996MB) DEVELOPED AT 47.5N/11W AT 1200 GMT. BY THE 2ND AT 1200 GMT THIS LOW (973MB) WAS OVER NE BRITTANY AND HAD BEEN NAMED STORM 'ALEX'.

MEANWHILE, TWO OCCLUSIONS WERE AFFECTING THE REGION. ON THE 3RD LOW (986MB) 'ALEX' HAD SLIPPED SOUTHWARDS TO E OF BORDEAUX WHILE A NEW LOW (986MB) HAD DEVELOPED IN THE MID-ENGLISH CHANNEL. A STRONG NW AIRSTREAM COVERED THE SW REGION.

BY THE 4TH THERE WAS A SLOW MOVING LOW (980MB) OVER BIRMINGHAM. AN OCCLUSION AFFECTED DEVON AND CORNWALL. BY THE 5TH THE OCCLUSION HAD CLEARED AS A FRESH WESTERLY AIRSTREAM SPREAD IN, BEFORE ANOTHER OCCLUSION ARRIVED IN THE EVENING.

ON THE 6TH A SHOWERY WESTERLY AIRSTREAM PERSISTED. BY THE 7TH THERE WAS A WEAK RIDGE BEFORE A WARM FRONT ARRIVED FROM THE SOUTHWEST DURING THE AFTERNOON. THERE WAS A LOW (1005MB) AT 50N/20W WHICH MOVED TO YORKSHIRE (1002MB) BY THE 8TH AS IT'S COLD FRONT PASSED THROUGH.

ON THE 9TH AN EARLY RIDGE WAS INTERSECTED BY A WEAK COLD FRONT WHICH CLEARED LATE AFTERNOON.

ON THE 10TH THERE WAS A SLIGHTLY SHOWERY WESTERLY AIRSTREAM BEFORE A RIDGE (FROM A HIGH 1040MB AT 45N/19W) ARRIVED ON THE

11TH. ON THE 12TH A FRONTAL SYSTEM PERSISTED BEFORE CLEARING MID-AFTERNOON. ON THE 13TH THERE WAS A SHOWERY WESTERLY AIRSTREAM WITH A LOW (1007MB) OVER NE FRANCE AND A HIGH (1031MB) SE ICELAND. ON THE 14TH A N/NE AIRSTREAM ARRIVED AS A HIGH (1036MB) INTENSIFIED OVER THE FAEROES. THIS SITUATION CONTINUED ON THE 15TH AS A RIDGE EXTENDED SOUTHWARDS OVER THE UK AND IRELAND. THE RIDGE PERSISTED ON THE 17TH AND 18TH.

ON THE 19TH PRESSURE FELL AS A SOUTHEASTERLY AIRSTREAM ARRIVED AND A LOW (985MB) WAS AT 47N/16W AND A LOW (997MB) WAS JUST TO THE WEST OF GALWAY.

BY THE 20TH THE LOW HAD MOVED NE & DEEPENED TO 973MB AT 51N/10.5W AT 0600 GMT.

BY THE 21ST THERE WAS A LOW (989MB) NORMANDY AND IT'S FRONTAL SYSTEM WAS AFFECTING THE REGION. THIS CLEARED LEAVING A WEAK RIDGE FOR THE 22ND.

ON THE 23RD A COLD FRONT CLEARED FROM THE WEST DURING THE MORNING AND ON THE 24TH A FRONTAL SYSTEM CLEARED EASTWARDS DURING THE DAY.

THE 25TH SAW A SHOWERY SW AIRSTREAM AND A LOW (962MB) AT 59N/15W. ON THE 26TH THIS SITUATION CONTINUED AS THE LOW (979MB) MOVED TO W SCOTLAND. A FRONTAL SYSTEM CLEARED EARLY ON THE 27TH AS A SHOWERY SW TO WESTERLY AIRSTREAM SPREAD IN WHICH CONTINUED ON THE 28TH AS A LOW (955MB) LINGERED AT 57.5N/21W.

ON THE 29TH AN EARLY WARM FRONT CLEARED, BEING FOLLOWED BY A WARM SECTOR WHICH CONTINUED ON THE 30TH.

AN ACTIVE COLD FRONT CLEARED EARLY ON THE 31ST AS STORM 'AIDEN' (LOW 968MB) WAS POSITIONED AT 58N/10W.

THE MAIN ATLANTIC JET STREAM WAS TO THE WEST OF THE UK ON THE 1ST, 2ND, 4TH, 5TH, 10TH, 12TH, 15TH, 17TH, 18TH, 22ND, 23RD AND 25TH-27TH INCLUSIVE.

IT WAS OVER THE UK ON THE 7TH-9TH, 11TH AND 29TH-31ST INCLUSIVE.

IT WAS TO THE SW ON THE 3RD, 6TH, 13TH, 14TH, 16TH, 19TH-21ST AND 24TH AND 28TH.

OCTOBER WAS A GENERALLY CHANGEABLE MONTH WITH ONLY LIMITED AMOUNTS OF SUNSHINE.

RAIN OCCURRED ALMOST EVERY DAY EVENTUALLY RESULTING IN A RAINFALL TOTAL WHICH WAS WELL ABOVE NORMAL. THE HIGHEST RECORDED RAINFALL VALUES WERE 22.3MM ON THE 1ST, 22.6MM ON THE 4TH, 12.9MM ON THE 24TH, 16.1MM ON THE 26TH, 11.9MM ON THE 28TH AND 21.0MM ON THE 30TH.

IT WAS ALSO COOLER THAN AVERAGE FOR OCTOBER. HAIL SHOWERS OCCURRED AT 1016 GMT AND 1149 GMT ON THE 13TH AND AT 1305 GMT ON THE 28TH.

THE PREDOMINANT WIND DIRECTION FOR THE MONTH WAS SOUTHWESTERLY, CLOSELY FOLLOWED BY WESTERLY. THE (ESTIMATED) MAX. WIND GUST FOR THE MONTH WAS 32KT (37 MPH) AT AROUND MIDDAY ON THE 2ND AND ALSO AT AROUND 0730 GMT ON THE 24TH.

THIS MONTH HAD THE LOWEST MEAN PRESSURE IN ANY OCTOBER SINCE 2004.

THE MEAN MAX TEMP WAS THE LOWEST IN ANY OCTOBER SINCE 2008.

THE MEAN TEMPERATURE AND THE MEAN SW SEA TEMPERATURE WERE THE SAME AS IN OCTOBER 2018.

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