

STITHIANS WEATHER SUMMARY

JANUARY 2021

HIGHEST MAXIMUM TEMPERATURE	12.3C (28th)
HIGHEST MINIMUM TEMPERATURE	11.0C (28th)
LOWEST MAXIMUM TEMPERATURE	03.1C (09th)
LOWEST MINIMUM TEMPERATURE	-06.0C (07th)
MEAN MAXIMUM TEMPERATURE	07.7C (10YR) 08.5C (33YR) 08.2C
MEAN MINIMUM TEMPERATURE	02.4C (10YR) 04.0C (33YR) 03.7C
MEAN TEMPERATURE FOR MONTH	05.0C (10YR) 06.2C (33YR) 05.9C
MAX DAILY TEMPERATURE RANGE	11.9C (26th)
MEAN DAILY TEMPERATURE RANGE	05.2C
TOTAL RAINFALL FOR THE MONTH	206.7 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	180.1 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	165.4 MM
MAXIMUM RAINFALL IN 24 HOURS	24.5 MM (31st)
RAIN DAYS (0.2MM OR MORE)	22
WET DAYS (1.0MM OR MORE)	20
DAYS WITH RAIN INCLUDED	22
DAYS WITH HAIL	03
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 01
AIR FROSTS (-00.1C OR BELOW)	13

MAXIMUM ATMOSPHERIC PRESSURE	1030.0 MB (15th)
MINIMUM ATMOSPHERIC PRESSURE	977.0 MB (20th)
MEAN ATMOSPHERIC PRESSURE	1012.0 MB (33YR MEAN) 1016.2 MB
MEAN SW SEA TEMP (JAN 1986-2020 AV)	10.3C
10YR RUNNING MEAN SW SEA TEMP	(JAN 2011-2020) 10.8C
MEAN SW SEA TEMP JANUARY 2021:	10.4C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A SLACK AREA OF LOW PRESSURE COVERED THE UK WHILE A WEAK OCCLUSION LINGERED OVER S AND SW ENGLAND. THERE WAS A HIGH (1032MB) AT 45N/22W WHICH STRETCHED A RIDGE TO ICELAND AND EAST OF GREENLAND.

THE 2ND SAW A SHOWER TROUGH ENHANCING SHOWERS DURING THE DAY. THIS CLEARED IN THE EVENING. ON THE 3RD A NE AIRSTREAM COVERED THE UK AS HIGH PRESSURE BEGAN TO GET ESTABLISHED TO THE NW OF THE UK. A N/NE AIRSTREAM PREVAILED ON THE 4TH, 5TH AND 6TH. ON THE 7TH THE HIGH (1037MB) HAD RETREATED TO MID ATLANTIC AS A WEAK COLD FRONT EDGED DOWN ACROSS S SCOTLAND.

ON THE 8TH A SLACK AREA OF LOW PRESSURE PERSISTED OVER ENGLAND AS A WEAK OCCLUSION SLOWLY MOVED AWAY TO THE SW BY EVENING.

BY THE 9TH A HIGH (1032MB) AT 47.5N/24W HAD EXTENDED A RIDGE TO AND OVER THE U.K. BY THE 10TH THE HIGH (1030MB) HAD MOVED TO 49.5N/16W WHILE THE STRONG RIDGE TO AND OVER THE UK CONTINUED.

ON THE 11TH PRESSURE DECLINED AS A BROAD WARM SECTOR COVERED THE UK BRINGING Milder CONDITIONS WHICH CONTINUED ON THE 12TH. A RIDGE, EMBEDDED WITHIN A WARM SECTOR PREVAILED ON THE 13TH.

THE 14TH SAW A COLD FRONT CLEAR EARLY AS A RIDGE MOVED IN FROM THE WEST. THIS STRENGTHENED ON THE 15TH BEFORE PRESSURE SLIPPED AWAY AND A FRONTAL SYSTEM ARRIVED DURING THE EVENING.

ON THE 16TH A COLD FRONT CLEARED MID MORNING AS A RIDGE EDGED IN. BY THE 17TH THE RIDGE HAD BECOME ESTABLISHED AND PERSISTED ON THE 18TH BEFORE A WARM FRONT ARRIVED DURING THE MORNING.

ON THE 19TH A WARM SECTOR PREVAILED AS PRESSURE FELL STEADILY. ON THE 20TH A BROAD WARM SECTOR COVERED THE REGION BEFORE A COLD FRONT CLEARED IN THE EVENING.

ON THE 21ST STORM 'CHRISTOF' (957MB) WAS SITUATED OVER THE NW NORTH SEA AS A SHOWERY SW/W AIRSTREAM COVERED MOST OF THE UK. THIS SITUATION CONTINUED ON THE 22ND AND 23RD AS WINDS VEERED NORTHWESTERLY. OVERNIGHT A SMALL LOW SWEEPED THROUGH BEING FOLLOWED BY A COLD AND SHOWERY WESTERLY AIRSTREAM ON THE 24TH.

ON THE 25TH A WEAK HIGH (1015MB) EXTENDED A RIDGE TO SW ENGLAND, WALES AND IRELAND. BY THE 26TH A WARM FRONT HAD EDGED EASTWARDS TO BE FOLLOWED BY A VERY WEAK RIDGE BEFORE ANOTHER WARM FRONT CAME UP FROM THE SW ON 27TH.

A FRONTAL SYSTEM CLEARED OVERNIGHT TO LEAVE A VERY MILD SW AIRSTREAM ON THE 28TH. AN OCCLUSION SWEEPED THROUGH DURING THE EVENING TO BE FOLLOWED BY A RIDGE EARLY ON THE 29TH.

BY THE 30TH A DEEP LOW (974MB) WAS SITUATED AT 50N/10.5W AT 0600 GMT AS IT'S OCCLUSIONS AFFECTED SW AND S ENGLAND. THE NORTH MEANWHILE HAD A COLD EASTERLY FLOW. BY EVENING THE LOW (986MB) HAD MOVED SE TO WESTERN BRITTANY. ON THE 31ST A NEW LOW (973MB) AT 51N/28W AT 0600 GMT PUSHED IT'S OCCLUSIONS UP ACROSS SW ENGLAND.

THE MAIN ATLANTIC JET STREAM VARIED, BUT GENERALLY MOVED SOUTHWARDS TO BE TO THE SW OF THE UK. BY THE CLOSE OF THE MONTH. IT WAS TO THE NORTH OF THE UK, ON THE 10TH TO THE NW, ON THE 7TH AND 8TH TO THE WEST, ON THE 11TH AND 16TH. IT WAS OVER THE UK ON THE 2ND, 3RD, 5TH, 12TH, 15TH, 17TH TO 22ND & 26TH

TO 27TH. IT WAS TO THE SW ON THE 1ST, 4TH, 6TH, 9TH, 13TH, 14TH AND 23RD TO 25TH AND THE 28TH TO 31ST.

FOLLOWING A WET DECEMBER, LITTLE CHANGED IN JANUARY! WITH A TOTAL RAINFALL OF 206.7MM IT TURNED OUT TO BE THE WETTEST JANUARY HERE SINCE 2018.

IT WAS ALSO COLDER THAN NORMAL WITH ALL MEAN TEMPERATURES BEING THE LOWEST VALUES IN ANY JANUARY SINCE 2011.

AGAIN, A NUMBER OF THE DAYS WERE WET WITH THESE INCLUDING 17.5MM ON THE 15TH, 12.0MM ON THE 18TH, 18.8MM ON THE 19TH, 22.4MM ON THE 20TH, 12.0MM ON THE 27TH, 10.4MM ON THE 28TH, 22.6MM ON THE 29TH, 15.9MM ON THE 30TH AND 24.5MM ON THE 31ST. MOST OF THE RAINFALL OCCURRED AFTER MID-JANUARY.

AN UNUSUALLY HIGH NUMBER OF AIR FROSTS RESULTED IN THE LARGEST NUMBER OF THESE IN ANY JANUARY SINCE 2010.

HAIL WAS RECORDED ON THE 2ND, 22ND AND 24TH AND SNOW SHOWERS OCCURRING DURING THE EARLY HOURS OF THE 25TH GAVE A (SCATTERED & BROKEN) SNOW DEPTH OF 0.50CM AT 0900 GMT ON THE SAME DAY.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 29KT (33 MPH) AT AROUND 2300 GMT ON THE 19TH.

THE MAIN WIND DIRECTION WAS WESTERLY, CLOSELY FOLLOWED BY SOUTHWESTERLY.

PLEASE NOTE THAT WE HAVE A VERY INFORMATIVE AND MUCH MORE DETAILED WEBSITE WHICH CAN BE FOUND AT: 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.