

STITHIANS WEATHER SUMMARY

FEBRUARY 2021

HIGHEST MAXIMUM TEMPERATURE	13.3C (24th)
HIGHEST MINIMUM TEMPERATURE	11.5C (24th)
LOWEST MAXIMUM TEMPERATURE	00.9C (09th)
LOWEST MINIMUM TEMPERATURE	-03.0C (27th)
MEAN MAXIMUM TEMPERATURE	08.9C (10YR) 08.6C (33YR) 08.5C
MEAN MINIMUM TEMPERATURE	03.7C (10YR) 03.4C (33YR) 03.4C
MEAN TEMPERATURE FOR MONTH	06.3C (10YR) 06.0C (33YR) 05.9C
MAX DAILY TEMPERATURE RANGE	13.7C (26th)
MEAN DAILY TEMPERATURE RANGE	05.2C
TOTAL RAINFALL FOR THE MONTH	144.2 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	144.1 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	133.0 MM
MAXIMUM RAINFALL IN 24 HOURS	29.2 MM (19th)
RAIN DAYS (0.2MM OR MORE)	21
WET DAYS (1.0MM OR MORE)	16
DAYS WITH RAIN INCLUDED	22
DAYS WITH HAIL	01
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 02
AIR FROSTS (-00.1C OR BELOW)	08
MAXIMUM ATMOSPHERIC PRESSURE	1041.0 MB (27th)

MINIMUM ATMOSPHERIC PRESSURE	992.0 MB (20th)
MEAN ATMOSPHERIC PRESSURE	1011.2 MB (33YR MEAN) 1016.1 MB
MEAN SW SEA TEMP (FEB 1986-2020 AV)	09.7C
10YR RUNNING MEAN SW SEA TEMP	(FEB 2011-2020) 10.0C
MEAN SW SEA TEMP FEBRUARY 2021:	10.2C

NOTES

SYNOPTIC SITUATION: ON THE 1ST AN OCCLUSION MOVED AWAY EARLY AS A VERY MILD SW AIRSTREAM ARRIVED. THIS WAS FOLLOWED BY A FRONTAL SYSTEM IN THE EVENING CLEARING BY MIDNIGHT. THE 2ND SAW A VERY MILD SW AIRSTREAM AND A SHOWER TROUGH GOING THROUGH DURING THE AFTERNOON. ON THE 3RD THERE WAS A SLACK AREA OF LOW PRESSURE WITH A LOW (981MB) LINGERING W OF IRELAND. ALSO ON THE 3RD A WEAK OCCLUSION EDGED UP ACROSS SW ENGLAND AS THE LOW (997MB) PERSISTED N GALWAY AS ALSO DID TWO OCCLUSIONS OVER S SCOTLAND AND N ENGLAND. ON THE 4TH A WEAK OCCLUSION CLEARED AWAY NORTHEASTWARDS AS THE LOW (997MB) DRIFTED NEAR GALWAY. THE 5TH SAW ANOTHER OCCLUSION MOVE AWAY EASTWARDS AND THE SLACK LOW (1004MB) PERSISTED OVER GALWAY. BY THE 6TH THE LOW, BY NOW OVER W WALES, HAD FILLED TO 1008MB AS IT'S OCCLUSION CLEARED AWAY SOUTHWARDS. ON THE 7TH A COLDER EASTERLY AIRSTREAM WAS BECOMING ESTABLISHED. A LOW (991MB) AND TWO OCCLUSIONS WERE IN THE SW APPROACHES AND THERE WAS A HIGH (1046MB) OVER E GREENLAND. THERE WAS ALSO A LOW (996MB) OVER NE FRANCE. ON THE 8TH A COLD NE AIRSTREAM COVERED THE UK WITH A LOW (994MB) E BISCAY AND A HIGH (1044MB) E GREENLAND LINKED TO A HIGH (1024MB) OVER RUSSIA. THIS SITUATION PERSISTED ON THE 9TH AS AN OCCLUSION EDGED UP FROM THE SOUTH DURING THE DAY BEFORE DYING OUT LATER. ON THE 10TH A HIGH (1030MB) OVER THE SHETLANDS EXTENDED A RIDGE TO COVER THE WHOLE OF THE UK AND IRELAND. BY THE 11TH AN OCCLUSION BEGAN TO PUSH UP FROM

THE SW INTO A VERY COLD EASTERLY AIRSTREAM. ON THE 12TH A HIGH (1045MB) PERSISTED OVER SW NORWAY AND A LOW (952MB) DRIFTED SLOWLY NORTHWESTWARDS WHILE MAINTAINNG THE COLD EASTERLY AIRSTREAM. ON THE 13TH AN OCCLUSION AND A FRONTAL SYSTEM EDGED UP ACROSS SW ENGLAND. A LOW (958MB) WAS AT 57.5N/37W AND A HIGH (1051MB) WAS OVER SW NORWAY WITH THIS LINKING TO ANOTHER HIGH (1043MB) LITHUANIA. ON THE 14TH A LOW (973MB) PUSHED A COLD FRONT SLOWLY EASTWARDS WHICH CLEARED DURING THE AFTERNOON. BY THE 15TH A LOW (982MB) AT 48N/20W WAS INTRODUCING A VERY MILD SW AIRSTREAM AND ALSO A WARM FRONT DURING THE EVENING. THE 16TH SAW A MILD SW AIRSTREAM AND A SHOWER TROUGH PASSING THROUGH AFTER MIDDAY. ON THE 17TH AN ACTIVE COLD FRONT CLEARED DURING THE EARLY HOURS BEFORE A WARM FRONT ARRIVED IN THE AFTERNOON. THIS CLEARED LEAVING A WARM SECTOR FOR THE EVENING. THE COLD FRONT CLEARED OVERNIGHT LEAVING A SHOWERY SW AIRSTREAM IN IT'S WAKE FOR THE 18TH. ON THE 19TH A LOW (955MB) AT 56N/25W PUSHED A WARM FRONT UP FROM THE SW. ON THE 20TH THE MILD SOUTHERLY AIRSTREAM PERSISTED AS TWO COLD FRONTS CLEARED AWAY EASTWARDS. ON THE 21ST THERE WAS A MILD SE AIRSTREAM AS A WARM FRONT GRADUALLY APPROACHED FROM THE SE. THAT CLEARED OVERNIGHT AS A WEAK RIDGE ARRIVED FOR THE 22ND. ON THE 23RD A BROAD WARM SECTOR AND A VERY MILD S/SW AIRSTREAM COVERED ALL OF THE UK WHICH SITUATION CONTINUED ON THE 24TH. PRESSURE ROSE LATER AS A RIDGE (FROM A HIGH 1032MB AZORES) BUILT STEADILY ON THE 25TH. BY THE 26TH A HIGH (1037MB) HAD FORMED TO THE SOUTH OF WEST CORNWALL AND BY THE 27TH THIS HAD INTENSIFIED TO 1042MB (SE WALES) AND HAD BECOME A BLOCKING FEATURE. BY THE 28TH THE HIGH (1038MB) HAD RETREATED TO HOLLAND AND DECLINED WHILE MAINTAINING A RIDGE TO AND OVER THE UK AND IRELAND. MEANWHILE THE ANTICYCLONIC BLOCKING CONTINUED.

THE MAIN ATLANTIC JET STREAM BEGAN THE MONTH TO THE S AND SW GRADUALLY MOVING TO BE ABOVE THE UK FROM THE 15TH-25TH AND, BY THE CLOSE OF THE MONTH, IT WAS TO THE NW OF THE BRITISH ISLES.

FEBRUARY WAS A MAINLY UNSETTLED MONTH DOMINATED BY LOW PRESSURE.

ALL MEAN TEMPERATURES WERE SLIGHTLY ABOVE NORMAL AND THE RAINFALL TOTAL WAS VERY CLOSE TO AVERAGE.

FROM THE 6TH-13TH THERE WAS A COLD SNAP, OTHERWISE, TEMPERATURES WERE CLOSE TO, OR SLIGHTLY ABOVE NORMAL.

THE 24TH SAW THE HIGHEST OVERNIGHT TEMPERATURE FOR FEBRUARY EVER RECORDED HERE.

SNOW WAS RECORDED ON THE 09TH AND 11TH, WITH A MAX SNOW DEPTH OF 6MM AT 0900 GMT ON THE 10TH.

HAIL OCCURRED AT 1300 GMT ON 18TH.

THE MAIN WIND DIRECTION WAS SOUTHWESTERLY, CLOSELY FOLLOWED BY NE, E AND SE.

THE MAX. (ESTIMATED) WIND GUST WAS 35KT (40 MPH) AT 1330 GMT ON THE 23RD.

WINTER 2020/21 WAS THE WETTEST HERE SINCE 2015 AND IT WAS THE COLDEST HERE SINCE 2017.

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.