

STITHIANS WEATHER SUMMARY

APRIL 2021

HIGHEST MAXIMUM TEMPERATURE	14.8C (01st)
HIGHEST MINIMUM TEMPERATURE	08.4C (24th)
LOWEST MAXIMUM TEMPERATURE	07.1C (06th)
LOWEST MINIMUM TEMPERATURE	-04.8C (16th)
MEAN MAXIMUM TEMPERATURE	11.2C (10YR) 12.6C (33YR) 12.1C
MEAN MINIMUM TEMPERATURE	01.1C (10YR) 04.6C (33YR) 04.5C
MEAN TEMPERATURE FOR MONTH	06.1C (10YR) 08.6C (33YR) 08.3C
MAX DAILY TEMPERATURE RANGE	16.2C (14th)
MEAN DAILY TEMPERATURE RANGE	09.9C
TOTAL RAINFALL FOR THE MONTH	6.2 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	77.5 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	87.9 MM
MAXIMUM RAINFALL IN 24 HOURS	1.8 MM (10th)
RAIN DAYS (0.2MM OR MORE)	07
WET DAYS (1.0MM OR MORE)	04
DAYS WITH RAIN INCLUDED	07
DAYS WITH HAIL	02
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	15
MAXIMUM ATMOSPHERIC PRESSURE	1032.0 MB (03rd)

MINIMUM ATMOSPHERIC PRESSURE	1006.0 MB (28th)
MEAN ATMOSPHERIC PRESSURE	1022.4 MB (33YR MEAN) 1014.5 MB
MEAN SW SEA TEMP (APR 1986-2020 AV)	10.1C
10YR RUNNING MEAN SW SEA TEMP	(APR 2011-2020) 10.5C
MEAN SW SEA TEMP APRIL 2021:	10.7C

NOTES

SYNOPTIC SITUATION: ON THE 1ST AN EASTERLY AIRSTREAM PREVAILED AS A LOW (1005MB) LINGERED NEAR SANTANDER AND A HIGH (1036MB) PERSISTED AT 60N/25W WHILE MAINTAINING A RIDGE TO THE NORTHERN NORTH SEA.

BY THE 2ND THE HIGH (1040MB) AT 60N/20W HAD BECOME THE DOMINANT FEATURE AS THE RIDGE OVER THE UK INTENSIFIED.

ON THE 3RD THE HIGH (1040MB) WAS TO THE NW OF ICELAND AND THE RIDGE CONTINUED TO HOVER OVER THE UK AND FRANCE WHICH CONTINUED ON THE 4TH AS THE HIGH (1037MB) AT 55N/38W RETREATED AND DECLINED.

ON THE 5TH A VERY WEAK COLD FRONT CLEARED AWAY TO THE SOUTH AS A COLDER NW AIRSTREAM MOVED IN.

THE 6TH SAW A HIGH (1039MB) AT 55N/22W AND LOW 968MB NW NORWAY CONTINUING THE COLD NORTHWESTERLY.

ON THE 7TH WITH THE RIDGE PERSISTING THERE WAS A SHOWERY OCCLUSION AFFECTING CORNWALL AND DEVON. THE HIGH (1032MB) WAS STILL TO THE WEST OF IRELAND.

BY THE 8TH A HIGH (1029MB) N ITALY WAS LINKED TO A HIGH (1038MB) MID-GREENLAND AND A LOW (990MB) SW ICELAND BROUGHT A WARM SECTOR TO THE WEST.

ON THE 9TH PRESSURE FELL AS A WEAK COLD FRONT EDGED DOWN FROM THE NORTH WHICH CLEARED OVERNIGHT.

ON THE 10TH AS THE HIGH (1033MB) PERSISTED IN THE MID-ATLANTIC SO A NORTHERLY AIRSTREAM DEVELOPED. A SHOWER TROUGH MOVED THROUGH OVERNIGHT LEAVING A RIDGE FOR THE 11TH.

ON THE 12TH THE HIGH (1031MB) MOVED TO THE SW OF THE ISLES OF SCILLY WHICH BECAME THE DOMINANT FEATURE. THIS CONTINUED ON THE 13TH AS THE HIGH (1034MB) DRIFTED INTO FRANCE. THIS SITUATION CONTINUED ON THE 14TH, 15TH AND 16TH AS THE HIGH (1036MB) TRANSFERRED TO NE ENGLAND.

BY THE 16TH THE HIGH (1037MB) HAD DRIFTED TO NORWAY WHILST MAINTAINING A RIDGE TO AND OVER THE UK AND IRELAND WHICH SITUATION PERSISTED ON THE 17TH AND 18TH.

ON THE 19TH A HIGH (1036MB) E FINLAND PUSHED A SLACK RIDGE OF HIGH PRESSURE TO AND OVER THE UK.

ON THE 20TH THERE WAS A FLABBY COL AREA COVERING THE UK, IRELAND AND MOST OF NW EUROPE.

BY THE 21ST A HIGH (1026MB) CLOSE TO THE WESTERN ISLES EXTENDED A RIDGE TO AND OVER THE UK.

BY THE 22ND THE HIGH (1028MB) WAS OVER NE ENGLAND AND BY THE 23RD IT WAS OVER NORTHERN NORFOLK AS THE SOUTHEASTERLY GRADIENT INCREASED OVER SW ENGLAND. THERE WAS LITTLE CHANGE ON THE 24TH, 25TH AND 26TH.

ON THE 27TH PRESSURE FELL AWAY AS A LOW (1009MB) DRIFTED DOWN FROM SCOTLAND TO BRISTOL.

ON THE 28TH THE SLACK AREA OF LOW PRESSURE MOVED INTO NORTHERN FRANCE AS A SHOWER TROUGH CLEARED.

THE 29TH SAW AN ISOBARIC TROUGH SLOWLY CLEARED AS A WEAK RIDGE ARRIVED FOR THE 30TH. MEANWHILE, A HIGH (1043MB) MID-GREENLAND CONTINUED TO FEED IN COLDER N/NE WINDS.

THE MAIN ATLANTIC JET STREAM WAS QUITE FRAGMENTED FOR MOST OF THE MONTH. IT WAS TO THE NW OF THE UK FROM THE 1ST-4TH, 11TH

AND FROM THE 14TH-21ST. IT WAS TO THE WEST ON THE 25TH, 26TH AND 28TH. IT WAS OVER THE UK FROM THE 5TH-10TH, 12TH, 13TH AND 27TH AND IT WAS TO THE SW ON THE 22ND, 23RD, 24TH, 29th AND 30TH.

APRIL CAN ONLY BE DESCRIBED AS A TRULY REMARKABLE MONTH! ONE OF THE MAIN ASPECTS WAS THE LACK OF RAINFALL. IT WAS THE **DRIEST APRIL EVER RECORDED** HERE AND IT WAS ALSO THE SECOND (EQUAL) DRIEST MONTH EVER RECORDED.

THE MEAN ATMOSPHERIC PRESSURE WAS FAIRLY HIGH AND ANY LOW PRESSURE WAS ALMOST COMPLETELY ABSENT.

MANY OF THE DAYS WERE SUNNY, BUT NIGHTS WERE COLD WITH A NEW RECORD HIGH FOR AIR FROSTS IN ANY APRIL RECORDED HERE SO FAR. THE MEAN MIN & MEAN TEMPERATURES WERE ACTUALLY BELOW THAT OF MARCH AND IT WAS THE COLDEST MEAN TEMPERATURE IN ANY APRIL HERE SINCE 1989!

THE MAX. (ESTIMATED) WIND GUST FOR THE MONTH WAS 31KT (35 MPH) AT AROUND 1400 GMT ON 24TH. THE MAIN WIND DIRECTION WAS NORTHEASTERLY, FOLLOWED BY NORTHWESTERLY AND NORTHERLY.

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.