

STITHIANS WEATHER SUMMARY

APRIL 2020

HIGHEST MAXIMUM TEMPERATURE	22.8C (11th)
HIGHEST MINIMUM TEMPERATURE	09.4C (18th)
LOWEST MAXIMUM TEMPERATURE	09.8C (01st)
LOWEST MINIMUM TEMPERATURE	-03.1C (01st)
MEAN MAXIMUM TEMPERATURE	14.5C (10YR) 12.5C (32YR) 12.0C
MEAN MINIMUM TEMPERATURE	05.0C (10YR) 04.4C (32YR) 04.5C
MEAN TEMPERATURE FOR MONTH (32YR) 08.2C	09.7C (10YR) 08.4C
MAX. DAILY TEMPERATURE RANGE	18.5C (11th)
MEAN DAILY TEMPERATURE RANGE	09.4C
TOTAL RAINFALL FOR THE MONTH	45.5MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	77.3MM
TOTAL RAINFALL (32 YRS LONG TERM AVE)	89.3MM
MAXIMUM RAINFALL IN 24 HOURS	10.4MM (29TH)
RAIN DAYS (0.2MM OR MORE)	09
WET DAYS (1.0MM OR MORE)	09
DAYS WITH RAIN INCLUDED	09
DAYS WITH HAIL	00
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	02

MAXIMUM ATMOSPHERIC PRESSURE	1027.0 MB (07th)
MINIMUM ATMOSPHERIC PRESSURE	992.0 MB (30th)
MEAN ATMOSPHERIC PRESSURE 1014.5 MB	1015.5 MB (32YR MEAN)
MEAN SOUTHWEST SEA TEMPERATURE	10.6C (APR 1988-2019 AV) 10.1C
10YR RUNNING MEAN SW SEA TEMP	(MAR 2010-2019) 10.4C

NOTES

SYNOPTIC SITUATION: ON THE 1ST THERE WAS A HIGH (1039MB) MIDATLANTIC WITH A RIDGE TO AND OVER THE UK. BY THE 2ND THIS RIDGE HAD WEAKENED AS A NEW HIGH (1021MB) FORMED SW OF BRITTANY ON THE 3RD.

ON THE 4TH PRESSURE DECLINED AS THE HIGH (1025MB) TRANSFERRED TO N ITALY. THE 5TH SAW PRESSURE FALLING STEADILY AS AN OCCLUSION EDGED IN FROM THE WEST, THEN A COLD FRONT CLEARED FROM THE WEST OVERNIGHT. A LIGHT SW AIR FLOW DEVELOPED ON THE 6TH BEFORE A RIDGE DEVELOPED BY EVENING.

BY THE 7TH A NEW HIGH (1031MB) HAD FORMED OVER THE S NORTH SEA & HAD PUSHED A RIDGE OVER THE UK. THIS CONTINUED ON THE 8TH AS THE HIGH (1034MB) SLIPPED TO N ITALY. MEANWHILE A CLOUDY WEAK WARM FRONT PERSISTED FROM W BRITTANY TO CORNWALL TO DOVER.

BY THE 9TH A NEW HIGH (1029MB) HAD FORMED OVER N SCOTLAND WHICH WAS LINKED TO A HIGH (1028MB) N ITALY.

ON THE 10TH THE HIGH (1030MB) HAD MOVED TO HOLLAND WHILST MAINTAINING A WEAK RIDGE TO THE UK. THIS SITUATION CONTINUED ON THE 11TH.

BY THE 12TH THE WEAK RIDGE HAD COLLAPSED AS A LOW (1011MB) DEVELOPED OVER W WALES AND TWO WEAK WARM FRONTS WERE POSITIONED JUST WEST OF CORNWALL. THIS LOW MOVED SSW TO THE WEST OF PORTUGAL AS A HIGH (1035MB) FORMED NW OF SCOTLAND ON THE 13TH. AS A RESULT A STRENGTHENING EASTERLY

GRADIENT AFFECTED S ENGLAND. THIS CONTINUED ON 14TH AS THE HIGH (1031MB) MOVED TO NORTHEAST ENGLAND.

BY THE 15TH THE HIGH (1030MB) HAD TRANSFERRED TO N ITALY AS IT EXTENDED A RIDGE TO & OVER THE UK AND IRELAND. AT THIS TIME A LOW (1002MB) WAS DEVELOPING OVER SW PORTUGAL.

A NEW HIGH (1022MB) FORMED NORTHWEST OF SCOTLAND ON THE 16TH AS PRESSURE FELL. ON THE 17TH AN EARLY OCCLUSION CLEARED AWAY NORTHWARDS AS A LOW (1007MB) MOVED UP TOWARDS THE NW OF BISCAY BY 1800 GMT.

BY THE 18TH A SLACK AREA OF LOW PRESSURE (1011MB) COVERED THE WHOLE OF THE BAY OF BISCAY, CORNWALL & DEVON. MEANWHILE, A HIGH (1027MB) WAS MOVING SLOWLY OVER SW NORWAY.

THE 19TH SAW A HIGH (1031MB) SW NORWAY WITH A RIDGE OVER THE UK AND GERMANY WHICH CONTINUED ON THE 20TH AS THE HIGH (1035MB) MOVED NORTHWARDS AND INTENSIFIED.

ON THE 21ST AN EARLY OCCLUSION CLEARED AS AN EASTERLY AIRFLOW SET IN AND A HIGH (1038MB) PERSISTED OVER SW NORWAY. AT THE SAME TIME, A SLACK LOW WAS OVER BISCAY WITH ANOTHER (BOTH 1006MB) OVER SW PORTUGAL. ON THE 22ND A NE GRADIENT COVERED THE UK AS A HIGH (1033MB) PERSISTED OVER THE ORKNEYS. THIS CONTINUED ON THE 23RD.

BY THE 24TH THERE WAS A WEAK RIDGE (FROM A HIGH 1016MB WEST BRITTANY) AND ON THE 25TH A SLACK AREA OF LOW PRESSURE COVERED MUCH OF THE UK WHICH PERSISTED ON THE 26TH AND 27TH.

ON THE 28TH A LOW (1002MB) OVER PLYMOUTH, TOGETHER WITH IT'S ASSOCIATED COLD FRONT CLEARED DURING THE AFTERNOON.

ON THE 29TH AN OCCLUSION CLEARED EARLY MORNING BEFORE ANOTHER MOVED THROUGH IN THE LATE AFTERNOON.

ON THE 30TH AN OCCLUSION (AND A LOW 992MB) OVER WEST CORNWALL MOVED AWAY DURING THE EARLY MORNING.

THE MAIN ATLANTIC JET STREAM SLOWLY SLIPPED SOUTHWARDS DURING THE MONTH. AFTER A WEAK START, IT GRADUALLY INTENSIFIED AS THE MONTH PROCEEDED. IT WAS TO THE NORTH OF THE UK ON THE 1ST, 4TH, 5TH, 8TH-10TH, 15TH AND THE 16TH.

IT WAS TO THE NW ON THE 7TH, 13TH, 14TH, 17TH, 18TH AND THE 20TH.

IT WAS TO THE WEST ON THE 11TH, 12TH, 19TH & 21ST TO THE 27TH.

IT WAS OVER THE UK ON THE 2ND, 3RD AND 6TH AND TO THE SW ON THE 28TH AND 29TH AND TO THE SOUTH OF THE UK ON THE 30TH.

APRIL WAS ANOTHER UNUSUAL MONTH! FOR THE FIRST TWO WEEKS, THERE WAS ALMOST NO RAIN RECORDED AND AFTER THIS, THERE WAS A SCATTERING OF DAYS WITH TOTAL RAINFALL RANGING FROM 2.0MM TO 10.4MM. THIS RESULTED IN THE DRIEST APRIL HERE SINCE 2017 AND ONE OF THE DRIEST APRILS RECORDED HERE.

IT WAS ALSO OFTEN SUNNY, ESPECIALLY DURING THE FIRST HALF OF THE MONTH.

NORTHEASTERLY TO EASTERLY WINDS DOMINATED THROUGHOUT. THERE WERE ALSO A NUMBER OF COLDER NIGHTS RESULTING IN THE THIRD APRIL RUNNING WITH TWO AIR FROSTS BEING RECORDED.

THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 27KT (30 MPH) AT AROUND 1650 GMT ON THE 29TH.

THE MEAN MAX TEMP AND THE MEAN TEMPERATURE WERE THE HIGHEST IN ANY APRIL SINCE 2011.

THE MAX TEMPERATURE AGAIN BROKE THE APRIL RECORD FOR THE SECOND YEAR RUNNING! THE MEAN SW SEA TEMPERATURE WAS EXACTLY THE SAME VALUE AS IT WAS IN APRIL 2019.

ALL READINGS DONE BY PAUL RICHARDS AT 40 CRELOW FIELDS, STITHIANS. MAIN OBSERVATIONS ARE CARRIED OUT AT 0900GMT & 2100GMT 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.

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

www.stithiansweather.co.uk