

STITHIANS WEATHER SUMMARY

MARCH 2022

HIGHEST MAXIMUM TEMPERATURE	16.3C (24 th & 25th)
HIGHEST MINIMUM TEMPERATURE	09.9C (22nd)
LOWEST MAXIMUM TEMPERATURE	06.8C (06th)
LOWEST MINIMUM TEMPERATURE	-00.7C (24th)
MEAN MAXIMUM TEMPERATURE	11.5C (10YR) 09.9C (34YR) 09.9C
MEAN MINIMUM TEMPERATURE	04.9C (10YR) 03.8C (34YR) 04.0C
MEAN TEMPERATURE FOR MONTH	08.2C (10YR) 06.8C (34YR) 06.9C
MAX DAILY TEMPERATURE RANGE	17.0C (24th)
MEAN DAILY TEMPERATURE RANGE	06.5C
TOTAL RAINFALL FOR THE MONTH	91.7 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	116.0 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	100.2 MM
MAXIMUM RAINFALL IN 24 HOURS	36.9 MM (01st)
RAIN DAYS (0.2MM OR MORE)	12
WET DAYS (1.0MM OR MORE)	09
DAYS WITH RAIN INCLUDED	15
DAYS WITH HAIL	01
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	04
MAXIMUM ATMOSPHERIC PRESSURE	1039.0 MB (18TH)

MINIMUM ATMOSPHERIC PRESSURE	993.0 MB (11th)
MEAN ATMOSPHERIC PRESSURE	1019.3 MB (34YR MEAN) 1016.5 MB
MEAN SW SEA TEMP (MARCH 1986-2021 AV)	09.5C
10YR RUNNING MEAN SW SEA TEMP (MARCH 2012-2021)	09.8C
MEAN SW SEA TEMP MARCH 2022:	10.5C

NOTES

SYNOPTIC SITUATION: ON THE 1ST AN ACTIVE WARM FRONT MOVED UP FROM THE SOUTH.

ON THE 2ND A LOW (1012MB) WAS JUST WEST OF THE ISLES OF SCILLY. THIS, TOGETHER WITH IT'S OCCLUSION, MOVED AWAY EASTWARDS ON THE 3RD.

THE 4TH SAW A RIDGE OF HIGH PRESSURE AND BY THE 5TH A HIGH (1034MB) WAS DOMINATING THE WEATHER ACROSS THE UK AND IRELAND. THIS SITUATION CONTINUED ON THE 6TH AS AN OCCLUSION CAME IN FROM THE EAST AND BROKE UP.

ON THE 7TH THE HIGH (1030MB) WESTERN NORTH SEA DECLINED AND MOVED AWAY EASTWARDS.

ON THE 8TH A COLD FRONT SLOWLY MOVED AWAY EASTWARDS. ON THE 8TH A COLD FRONT SLOWLY MOVED UP FROM THE SW BEFORE CLEARING IN THE AFTERNOON.

ON THE 9TH A LOW (997MB) WEST OF BISCAY MOVED NORTHWARDS JUST WEST OF CORNWALL WITH THE COLD FRONT CLEARING DURING THE EVENING.

BY THE 10TH THE LOW (1006MB) WAS OVER WESTERN SCOTLAND WITH A LINGERING WAVING COLD FRONT OVER CENTRAL SOUTHERN ENGLAND.

ON THE 11TH A COLD FRONT MOVED NORTHEASTWARDS AND CLEARED IN THE MORNING. A LOW (962MB) PERSISTED TO THE SW OF ICELAND.

ON THE 12TH A LOW (982MB) AT 48N/13W (SWAPPS) MOVED SLOWLY NORTHEASTWARDS WITH IT'S COLD FRONT CLEARING DURING THE EVENING.

ON THE 13TH THE LOW (980MB) OVER SOUTHERN GALWAY MOVED NORTHWARDS AS A SHOWERY SW AIRSTREAM SPREAD IN.

BY THE 14TH A RIDGE FROM A HIGH (1028MB) AZORES HAD ARRIVED WHICH CONTINUED ON THE 15TH BEFORE A SLOW PRESSURE DECLINE LATER.

ON THE 16TH A COLD FRONT CLEARED SLOWLY AWAY EASTWARDS BEING FOLLOWED BY A RIDGE (FROM A HIGH 1035MB AZORES). THE RIDGE CONTINUED TO BUILD ON THE 17TH AS A NEW ANTICYCLONE DEVELOPED.

BY THE 18TH THE HIGH (1046MB) S NORTH SEA HAD BECOME A BLOCKING FEATURE WHICH DOMINATED THE WEATHER ACROSS THE UK, IRELAND, SWAPPS, PORTUGAL AND SPAIN.

ON THE 19TH THE HIGH HAD INTENSIFIED TO 1050MB (N DENMARK) AND THE BLOCKING CONTINUED. A STRONG EASTERLY GRADIENT INCREASED AS A LOW (996MB) PERSISTED IN THE MID-ATLANTIC.

ON THE 20TH THIS SITUATION CONTINUED.

BY THE 21ST THE HIGH (1040MB) E BALTIC WAS STATIONARY AS THE EAST TO SOUTHEASTERLY AIRSTREAM CONTINUED.

THERE WAS LITTLE CHANGE ON THE 22ND AS THE HIGH (1042MB) MOVED TO EASTERN EUROPE.

BY THE 23RD THE HIGH (1037MB) SW NORWAY LINKED TO A HIGH (1037MB) N ITALY WHILST A RIDGE PERSISTED OVER THE UK AND IRELAND.

THIS SITUATION LINGERED ON THE 24TH.

ON THE 25TH A NEW HIGH (1032MB) FORMED NE ENGLAND WHICH BECAME A BLOCKING FEATURE ALSO.

BY THE 26TH AND 27TH THERE WAS LITTLE CHANGE AS THE HIGH (1036MB) MOVED TO SCOTLAND AND LATER INTO THE WESTERN NORTH SEA.

PRESSURE DECLINED ON THE 28TH.

A SLACK AREA OF LOW PRESSURE PERSISTED ON THE 29TH.

ON THE 30TH A LOW (1003MB) BROUGHT A LIGHT NW FLOW.

ON THE 31ST A WEAK COLD FRONT CLEARED EARLY LEAVING A BRISK, COLD NORTHERLY AIRFLOW IN IT'S WAKE. A HIGH (1026MB) WAS SOUTH OF ICELAND WHICH WAS BRINGING A FLOW DIRECTLY FROM THE ARCTIC.

THE MAIN ATLANTIC JET STREAM WAS PREDOMINANTLY TO THE WEST OF THE BRITISH ISLES, ALTHOUGH FROM MID-MONTH ONWARDS IT DID TEND TO MOVE TO THE NORTH-WEST OF THE UK.

MARCH TURNED OUT TO BE WARMER AND DRIER THAN AVERAGE AND IT BECAME NOTICEABLY DRIER AFTER MID-MONTH AS HIGH PRESSURE BECAME MORE DOMINANT.

THERE WERE A SCATTERING OF SLIGHT AIR FROSTS THROUGHOUT.

THE MONTH SAW THE HIGHEST MEAN MAX TEMP IN ANY MARCH SINCE 2012.

THE MEAN MIN TEMP, THE MEAN TEMP, THE AND THE HIGHEST MIN TEMP WERE ALL THE HIGHEST IN ANY MARCH HERE SINCE 2017.

THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST IN ANY MARCH SINCE 2007.

A 1MM DIAMETER HAIL SHOWER OCCURRED ON THE 31ST AT 1729 GMT.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 36 KT (41 MPH) DURING THE MID-AFTERNOON OF THE 12TH.

THE PREDOMINANT WIND DIRECTION WAS EASTERLY, CLOSELY FOLLOWED BY NORTHEASTERLY.

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