

# STITHIANS WEATHER SUMMARY

## APRIL 2022

HIGHEST MAXIMUM TEMPERATURE	16.4C (20th)
HIGHEST MINIMUM TEMPERATURE	11.2C (13th)
LOWEST MAXIMUM TEMPERATURE	08.4C (01st)
LOWEST MINIMUM TEMPERATURE	-03.3C (03rd)
MEAN MAXIMUM TEMPERATURE	13.2C (10YR) 12.2C (34YR) 12.1C
MEAN MINIMUM TEMPERATURE	05.0C (10YR) 04.1C (34YR) 04.4C
MEAN TEMPERATURE FOR MONTH	09.1C (10YR) 08.1C (34YR) 08.2C
MAX DAILY TEMPERATURE RANGE	14.4C (29th)
MEAN DAILY TEMPERATURE RANGE	06.2C
TOTAL RAINFALL FOR THE MONTH	46.2 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	76.2 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	85.5 MM
MAXIMUM RAINFALL IN 24 HOURS	9.0 MM (06th)
RAIN DAYS (0.2MM OR MORE)	14
WET DAYS (1.0MM OR MORE)	10
DAYS WITH RAIN INCLUDED	15
DAYS WITH HAIL	02
DAYS WITH THUNDER	01
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	04
MAXIMUM ATMOSPHERIC PRESSURE	1031.0 MB (28 <sup>th</sup> & 29th)

MINIMUM ATMOSPHERIC PRESSURE	991.0 MB (07th)
MEAN ATMOSPHERIC PRESSURE	1015.7 MB (34YR MEAN) 1014.8 MB
MEAN SW SEA TEMP	
(APRIL 1986-2021 AV)	10.2C
10YR RUNNING MEAN SW SEA TEMP	
(APRIL 2012-2021)	10.4C
MEAN SW SEA TEMP APRIL 2022:	11.0C

### **NOTES**

SYNOPTIC SITUATION: ON THE 1ST A HIGH (1028MB) W OF IRELAND BROUGHT A COLD NORTHERLY AIRSTREAM WHILE A SHOWER TROUGH STRETCHED FROM WATERFORD TO ISLES OF SCILLY TO WEST BISCAY.

BY THE 2ND A SHOWERY OCCLUSION WAS AFFECTING THE REGION.

ON THE 3RD A HIGH (1031MB) PUSHED A RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 4TH PRESSURE FELL AWAY AS A WARM FRONT MOVED SE ACROSS THE REGION BEING FOLLOWED BY A WARM SECTOR WHICH SITUATION CONTINUED ON THE 5TH.

THE 6TH SAW A COLD FRONT CLEARING. A LOW (975MB) AT 58N/15W MOVED SE ACROSS S SCOTLAND TO BE 970MB CENTRAL WESTERN NORTH SEA AT 0600 GMT ON THE 7TH WHICH BROUGHT DOWN A COOL W/NW AIRSTREAM.

ON THE 8TH A LOW (992MB) W OF BREST MOVED AWAY INTO FRANCE, BEING FOLLOWED BY A SHOWERY WESTERLY.

ON THE 9TH A RIDGE OF HIGH PRESSURE PREVAILED.

ON THE 10TH A BRISK E/SE AIRSTREAM COVERED THE REGION AS PRESSURE SLOWLY FELL, WHILE THERE WAS ALSO A LOW (975MB) AT 47.5N/19.5W.

EARLY ON THE 12TH A SMALL LOW (1000MB) SW CORNWALL MOVED AWAY TO THE NW AS A SHOWERY SE AIRSTREAM ARRIVED.

ON THE 13TH THERE WAS A WEAK RIDGE OF HIGH PRESSURE WHICH CONTINUED ON THE 14TH.

ON THE 15TH A WEAK COLD FRONT LINGERED AS A RIDGE STRENGTHENED.

ON THE 16TH A WEAK WARM FRONT MOVED AWAY TO THE NW AS THE RIDGE (FROM A HIGH 1037MB DENMARK) BECAME DOMINANT.

ON THE 17TH TWO COLD FRONTS CLEARED, ONE IN THE AFTERNOON AND ONE IN THE EVENING.

ON THE 18TH A SHOWER TROUGH CLEARED MIDDAY LEAVING A SLACK 'COL' PRESSURE ON THE 19TH WHICH CONTINUED ON THE 20TH AND 21ST AS A LOW (1004MB) DEVELOPED AT 50N/15W AND MOVED SOUTHEASTWARDS.

BY THE 22ND THERE WAS A STRENGTHENING NORTHEASTERLY AIRSTREAM BETWEEN A HIGH (1038MB) EAST OF ICELAND AND A LOW (994MB) NW OF SANTANDER.

THIS SITUATION CONTINUED ON THE 23RD AS THE LOW (991MB) MOVED INTO S BISCAY.

ON THE 24TH A VERY WEAK OCCLUSION CLEARED AWAY TO THE SW IN A NORTHEASTERLY AIRSTREAM AND A WEAK RIDGE ARRIVED FOR THE 25<sup>TH</sup> WHICH STRENGTHENED ON THE 26TH AND 27TH.

THE 28TH SAW A UK AND IRELAND DOMINATING HIGH (1035MB) OFF NE ENGLAND AND THIS CONTINUED ON THE 29TH AND 30TH AS THE HIGH DECLINED AND MOVED TO PLYMOUTH.

THE MAIN ATLANTIC JET STREAM WAS MOSTLY TO THE WEST OF THE UK AND WEAKENED AND BECAME MORE FRAGMENTED AS THE MONTH PROGRESSED.

APRIL WAS SLIGHTLY WARMER THAN AVERAGE AND RAINFALL WAS AROUND HALF OF NORMAL VALUES. MOST OF THE RAINFALL OCCURRED IN THE FIRST HALF OF THE MONTH BEFORE IT BECAME PROGRESSIVELY DRIER.

HAIL OCCURRED ON THE 1ST AND 8TH AND THERE WAS THUNDER ON THE 11TH AT 0812 GMT WHICH STORM PRODUCED POWER OUTAGES IN FALMOUTH AND TRURO.

THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 28KT (32 MPH) DURING THE MID-EVENING OF THE 6<sup>TH</sup>.

THE PREDOMINANT WIND DIRECTION WAS NORTHEASTERLY. THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST IN ANY APRIL SINCE 2017.

PLEASE NOTE THAT WE HAVE A VERY INFORMATIVE AND MUCH MORE DETAILED WEBSITE WHICH CAN BE FOUND AT: [stithiansweather.co.uk](http://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