

STITHIANS WEATHER SUMMARY

MAY 2021

HIGHEST MAXIMUM TEMPERATURE	19.0C (29th)
HIGHEST MINIMUM TEMPERATURE	10.8C (29th)
LOWEST MAXIMUM TEMPERATURE	10.1C (06th)
LOWEST MINIMUM TEMPERATURE	-02.7C (01st & 07th)
MEAN MAXIMUM TEMPERATURE	13.5C (10YR) 15.4C (33YR) 14.9C
MEAN MINIMUM TEMPERATURE	06.0C (10YR) 07.1C (33YR) 07.1C
MEAN TEMPERATURE FOR MONTH	09.7C (10YR) 11.2C (33YR) 11.0C
MAX DAILY TEMPERATURE RANGE	15.3C (02nd)
MEAN DAILY TEMPERATURE RANGE	07.5C
TOTAL RAINFALL FOR THE MONTH	161.0 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	64.8 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	68.9 MM
MAXIMUM RAINFALL IN 24 HOURS	26.5 MM (23rd)
RAIN DAYS (0.2MM OR MORE)	23
WET DAYS (1.0MM OR MORE)	18
DAYS WITH RAIN INCLUDED	27
DAYS WITH HAIL	01
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	03
MAXIMUM ATMOSPHERIC PRESSURE	1027.0 MB (29th)

MINIMUM ATMOSPHERIC PRESSURE	993.0 MB (09th)
MEAN ATMOSPHERIC PRESSURE	1010.7 MB (33YR MEAN) 1016.6 MB
MEAN SW SEA TEMP (MAY 1986-2020 AV)	11.5C
10YR RUNNING MEAN SW SEA TEMP	(MAY 2011-2020) 11.9C
MEAN SW SEA TEMP APRIL 2021:	11.4C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A WEAK, SLACK RIDGE COVERED THE UK BEFORE A HIGH (1022MB) FORMED AT 49N/10W ON THE 2ND.

ON THE 3RD A LOW (985MB) AT 56N/13W MOVED ESE TO BE OVER CUMBRIA (985MB) LATE EVENING.

BY THE 4TH THE LOW (982MB) WAS IN THE NORTH SEA AS A BRISK W/NW AIRSTREAM COVERED THE UK.

ON THE 5TH THERE WAS A SLIGHTLY SHOWERY WESTERLY AIRSTREAM WITH A LOW (984MB) N DENMARK AND A HIGH (1030MB) S GREENLAND.

ON THE 6TH A SMALL LOW (1002MB) FORMED TO THE SW OF CORNWALL WHICH SOON CLEARED EASTWARDS AS A COOLER NORTHERLY AIRSTREAM ARRIVED.

ON THE 7TH THERE WAS A WEAK RIDGE AND A DEEPENING LOW (981MB) AT 50N/28W WHICH PUSHED A WARM FRONT IN DURING THE EVENING.

ON THE 8TH A WARM FRONT GAVE WAY TO A WAVING COLD FRONT FROM THE WEST WHICH CLEARED OVERNIGHT.

ON THE 9TH THERE WAS A SLIGHTLY SHOWERY SOUTHERLY AIRSTREAM AS THE LOW (972MB) PERSISTED AT 52.5N/14W. THIS SITUATION CONTINUED ON THE 10TH AS THE LOW FILLED TO 981MB AND MOVED TO THE WEST OF GALWAY. THIS LOW THEN FILLED FURTHER TO 993MB BY THE 11TH AS A SHOWERY OCCLUSION PUSHED UP FROM THE SOUTHWEST AND LATER CLEARED.

ON THE 12TH ANOTHER SHOWERY OCCLUSION ARRIVED FROM THE SW AS A SLACK AREA OF LOW PRESSURE PERSISTED. THE LOW (1003MB) W OF IRELAND CONTINUED TO FILL. THE LINGERING OCCLUSION AND SMALL LOW (1004MB) CLEARED AWAY EASTWARDS DURING LATE AFTERNOON.

ON THE 13TH THE LOW (1003MB) WAS IN MID ENGLISH CHANNEL AND A WESTERLY AIRSTREAM COVERED THE SW REGION.

ON THE 14TH THERE WAS A WEAK RIDGE BEFORE A FRONTAL SYSTEM MOVED EASTWARDS AND CLEARED OVERNIGHT.

ON THE 15TH A SHOWERY SW AIRSTREAM PREVAILED. THE 16TH SAW A LOW (994MB) NW OF CORNWALL WITH A SHOWERY SW AIRSTREAM.

BY THE 17TH THE LOW (998MB) HAD MOVED TO BELGIUM AS THE SHOWERY WESTERLY PERSISTED AND CONTINUED ON THE 18TH.

ON THE 19TH THERE WAS A RIDGE OF HIGH PRESSURE. ON THE 20TH A VIGOROUS LOW (983MB) SW OF IRELAND PUSHED A FRONTAL SYSTEM UP FROM THE SOUTHWEST WHICH SOON CLEARED.

BY THE 21ST THE LOW (982MB) HAD MOVED TO THE ISLE OF MAN AS THE SOUTHWESTERLY GALES CONTINUED.

ON THE 22ND THERE WAS A SHOWERY W/NW AIRSTREAM AS THE LOW (987MB) MOVED INTO THE EASTERN NORTH SEA.

THE 23RD SAW A LOW (987MB) AT 55N/21W ADVANCE AN OCCLUSION EASTWARDS WHICH CLEARED LATE AFTERNOON. ON THE 24TH THERE WERE TWO SHOWERY LOWS (998MB) W WALES & (992MB) ABERDEEN.

ON THE 25TH A WEAK RIDGE GAVE WAY TO A SE MOVING RUNNER LOW (1017MB) WHICH CLEARED LATE AFTERNOON.

ON THE 26TH THERE WAS A VERY WEAK RIDGE AND THE SAQW 27TH A VERY SLACK PRESSURE AREA (COL) PERSIST.

THE 28TH SAW A RIDGE OF HIGH PRESSURE. BY THE 29TH THE RIDGE HAD STRENGTHENED AND BY THE 30TH A HIGH (1032MB) HAD FORMED IN THE MID NORTH SEA WHILE MAINTAINING A RIDGE OVER THE UK. THIS SITUATION CONTINUED ON THE 31ST.

THE MAIN ATLANTIC JET STREAM HAD A STRAIGHT W/E (ZONAL) FLOW FROM THE 11TH TO THE 22ND INCLUSIVE.

IT WAS TO THE WEST ON THE 2ND, 28TH, 29TH & 30TH. IT WAS OVER THE U. ON THE 3RD TO THE 5TH, 8TH-10TH, 20TH & 24TH-27TH.

IT WAS TO THE SW ON THE 1ST, 11TH, 14th, 19th, 21ST, 23RD AND 31ST AND IT WAS TO THE SOUTH OF THE UK ON THE 6TH, 7TH, 12TH, 13TH, 15TH-18TH & 22ND.

AFTER A VERY DRY APRIL, MAY WAS A TOTALLY DIFFERENT STORY! IN A MONTH WHICH WAS DOMINATED BY LOW PRESSURE IT TURNED OUT TO BE THE SECOND WETTEST MAY EVER RECORDED HERE (THE PREVIOUS RECORD WAS 168.0MM IN MAY 1993). THE MONTH SAW THE LOWEST MEAN ATMOSPHERIC PRESSURE IN ANY MAY (IN CORNWALL) SINCE 1983.

WITH 27 DAYS WITH RAIN, THIS WAS A NEW RECORD HIGH FOR ANY MAY HERE.

IT WAS ALSO A LOT COLDER THAN NORMAL WITH THE MEAN TEMPERATURE BEING EQUAL TO MAY 2013.

NOTABLE FALLS OF RAIN INCLUDED 24.5MM ON THE 7TH AND 20.8MM ON THE 8TH.

A LINE SQUALL OCCURRED ON THE 4TH AT 2145 GMT AND HAIL WAS RECORDED ON THE 15TH AT 1010 GMT.

ON THE 23RD ANOTHER LINE SQUALL WENT THROUGH FROM THE WEST BETWEEN 1435 GMT AND 1440 GMT.

THE PREDOMINANT WIND DIRECTION WAS WESTERLY, FOLLOWED BY EASTERLY AND THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 37KT (42 MPH) AT 1230 GMT ON THE 21ST.

IT WAS ALSO THE LOWEST MEAN SW SEA TEMPERATURE IN ANY MAY SINCE 2013.

THE SPRING AS A WHOLE WAS THE COLDEST HERE SINCE 2013 AND DESPITE THE VERY DRY APRIL, IT WAS THE WETTEST SPRING RECORDED HERE SINCE 2019!

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