

STITHIANS WEATHER SUMMARY

AUGUST 2021

HIGHEST MAXIMUM TEMPERATURE	22.7C (26th)
HIGHEST MINIMUM TEMPERATURE	16.7C (20th)
LOWEST MAXIMUM TEMPERATURE	16.2C (18th)
LOWEST MINIMUM TEMPERATURE	05.7C (26th)
MEAN MAXIMUM TEMPERATURE	19.3C (10YR) 19.2C (33YR) 19.0C
MEAN MINIMUM TEMPERATURE	11.6C (10YR) 11.9C (33YR) 11.8C
MEAN TEMPERATURE FOR MONTH	15.4C (10YR) 15.5C (33YR) 15.4C
MAX DAILY TEMPERATURE RANGE	17.0C (26th)
MEAN DAILY TEMPERATURE RANGE	07.6C
TOTAL RAINFALL FOR THE MONTH	47.2 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	121.3 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	100.5 MM
MAXIMUM RAINFALL IN 24 HOURS	17.2 MM (06th)
RAIN DAYS (0.2MM OR MORE)	14
WET DAYS (1.0MM OR MORE)	08
DAYS WITH RAIN INCLUDED	17
DAYS WITH HAIL	00
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00
MAXIMUM ATMOSPHERIC PRESSURE	1030.0 MB (31st)

MINIMUM ATMOSPHERIC PRESSURE	996.0 MB (07th)
MEAN ATMOSPHERIC PRESSURE	1018.1 MB (33YR MEAN) 1016.5 MB
MEAN SW SEA TEMP (AUGUST 1986-2020 AV)	17.1C
10YR RUNNING MEAN SW SEA TEMP	(AUGUST 2011-2020) 17.1C
MEAN SW SEA TEMP AUGUST 2021:	16.8C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A WEAK COLD FRONT FROM NORFOLK-WALES-NW OF CORNWALL MOVED SLOWLY SE, BROKE UP AND CLEARED AS A LOW (994MB) PERSISTED OVER SW NORWAY BEFORE A WEAK RIDGE ARRIVED FOR THE 2ND.

BY THE 3RD A SLACK AREA OF LOW PRESSURE COVERED THE UK AS A WEAK OCCLUSION DIED OUT. THIS SITUATION CONTINUED TO PERSIST ON THE TH AS A WEAK RIDGE LINGERED AND A NEW LOW (991MB) WAS DEVELOPING AT 53N/26W AT 1200 GMT.

BY THE 5TH THE LOW (990MB) W OF IRELAND PUSHED AN OCCLUSION UP ACROSS THE REGION, LATER FOLLOWED BY A BENT-BACKED OCCLUSION.

THE 6TH SAW A SHOWERY SW AIRSTREAM WITH A LOW (990MB) NORTHERN IRELAND.

ON THE 7TH AN OCCLUSION MOVED EASTWARDS ACROSS THE REGION AS THE LOW (989MB) NORTH OF NORTHERN IRELAND PERSISTED.

BY THE 8TH THE LOW (993MB) HAD MOVED TO THE EAST OF FIFE AS OCCLUSIONS CIRCULATED AROUND IT.

ON THE 9TH THE LOW (1001MB) WAS TO THE NORTHEAST OF SCOTLAND AS AN OCCLUSION CLEARED AWAY.

THE 10TH SAW A HIGH PRESSURE RIDGE MOVE IN BEFORE A WEAK FRONTAL SYSTEM ARRIVED FOR 11TH. MEANWHILE, THERE WAS A

PRIMARY LOW (987MB) AT 53N/30W. THE COLD FRONT CLEARED MID-EVENING OF THE 1TH.

ON THE 12TH AN EARLY WEAK WAVE CLEARED LEAVING A MODERATE SW AIRSTREAM.

BY THE 13TH A WEAK OCCLUSION HAD RETURNED WHICH BROKE UP LATER AND A RIDGE OF HIGH PRESSURE DEVELOPED.

ON THE 14TH A WEAK RIDGE PERSISTED AS A LOW (1004MB) WAS AT 50N/19W.

ON THE 15TH A WEAK COLD FRONT CLEARED EARLY ON WHILST A LOW (1008MB) PERSISTED OVER SW IRELAND.

THE 16TH SAW A MODERATE W/NW AIRSTREAM WITH A HIGH (1030MB) MID-ATLANTIC AND A LOW (999MB) SW SWEDEN.

ON THE 17TH A HIGH (1031MB) 43N/14W EXTENDED A RIDGE TO MID-ATLANTIC AS A BRISK W/NW AIRSTREAM AFFECTED ALL AREAS.

ON THE 18TH A RIDGE OF HIGH PRESSURE WAS COMBINED WITH A MOIST WESTERLY AIRSTREAM. A WEAK FRONTAL SYSTEM ARRIVED ON THE 9TH AS A MOIST SW AIRSTREAM PERSISTED. THIS CLEARED LEAVING SIMILAR CONDITIONS FOR THE 20TH.

ON THE 21ST A COLD FRONT, THEN AN OCCLUSION, CLEARED AS A LOW (1004MB) PERSISTED TO THE SOUTH OF ICELAND.

THE 22ND SAW A RIDGE OF HIGH PRESSURE (FROM A HIGH 1025MB 45N/12W). A HIGH (1030MB) HAD FORMED OVER NORTHERN SCOTLAND WHICH EXTENDED A RIDGE TO AND OVER THE UK, IRELAND AND BISCAY. BY 24TH THIS HAD INTENSIFIED, MOVED TO NE ENGLAND AND BECAME A BLOCKING FEATURE.

BY THE 25TH THIS HAD MOVED TO NW SCOTLAND WHICH SITUATION CONTINUED ON THE 6TH AS A WEAK COLD FRONT MOVED SW AND CLEARED THE REGION BY MIDNIGHT.

THE 27TH SAW THE HIGH (1029MB) FAEROES DOMINATING THE WEATHER ACROSS THE UK.

LITTLE CHANGE OCCURRED ON THE TH AS THE HIGH (1029MB) MOVED TO NORTHERN IRELAND.

BY THE 29TH THIS DOMINATING AND BLOCKING HIGH (1032MB) WAS TO THE NW OF SCOTLAND.

THE MAIN ATLANTIC JET STREAM, ALTHOUGH FRAGMENTED AT FIRST, SLOWLY BECAME MORE ORGANISED AND STRENGTHENED DURING THE MONTH. IT WAS TO THE NW ON THE 17TH AND 18TH AND 26TH-31ST. IT WAS TO THE WEST ON THE 2ND-4TH AND THE 19TH-25TH. IT WAS OVER THE UK FROM THE 12TH-16TH INCLUSIVE. IT WAS TO THE S.W. ON 1ST & 5TH & FROM 7TH-11TH INCLUSIVE. IT WAS TO THE SOUTH ON THE 6TH.

AUGUST WAS YET ANOTHER RATHER STRANGE MONTH!

WITH UNDER HALF OF THE NORMAL RAINFALL, IT WAS THE DRIEST AUGUST HERE SINCE 2003.

THE MEAN MAX. TEMPERATURE WAS SLIGHTLY ABOVE NORMAL.

THE MEAN MIN. TEMPERATURE WAS SLIGHTLY BELOW NORMAL.

THE MEAN TEMPERATURE WAS EQUAL TO THE LONG TERM AVERAGE FOR THE MONTH. (THE LATTER TWO WERE THE LOWEST IN ANY AUGUST SINCE 2017).

THE 'HIGHEST MAX'. TEMPERATURE WAS THE LOWEST IN AUGUST SINCE 2015 AND THE MEAN SW SEA. TEMP. WAS THE LOWEST IN AUGUST SINCE 2017.

THE FIRST THREE WEEKS SAW MOSTLY SMALL AMOUNTS OF RAIN NEARLY EVERY DAY.

IT TURNED DRY FOR THE REST OF THE MONTH AS HIGH PRESSURE BECAME DOMINANT. OFTEN, FOLLOWING SOME COLDER NIGHTS, CLOUDY OR OVERCAST SKIES LATER CLEARED LEAVING SUNNIER DAYS.

THE PREDOMINANT WIND DIRECTION WAS WESTERLY, CLOSELY FOLLOWED BY SOUTHWESTERLY, THEN NORTHEASTERLY AND THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 26KT (30 MPH) AT AROUND 1800 GMT ON THE 7TH.

THE SUMMER AS A WHOLE WAS THE DRIEST HERE SINCE 2018 WITH THE LEAST NUMBER OF DAYS WITH RAIN INCLUDED SINCE 2015. THE MEAN MAX. TEMPERATURE AND THE MEAN TEMPERATURE WERE THE

HIGHEST SINCE 2018 AND THE MEAN MIN. TEMPERATURE WAS THE SAME AS IN 2020.

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.