

STITHIANS WEATHER SUMMARY

JULY 2022

HIGHEST MAXIMUM TEMPERATURE	28.7C (19th)
HIGHEST MINIMUM TEMPERATURE	17.5C (24th)
LOWEST MAXIMUM TEMPERATURE	17.4C (03rd)
LOWEST MINIMUM TEMPERATURE	05.8C (27th)
MEAN MAXIMUM TEMPERATURE	21.5C (10YR) 20.4C (34YR) 19.3C
MEAN MINIMUM TEMPERATURE	12.5C (10YR) 12.1C (34YR) 11.8C
MEAN TEMPERATURE FOR MONTH	17.0C (10YR) 16.2C (34YR) 15.5C
MAX DAILY TEMPERATURE RANGE	15.4C (11th)
MEAN DAILY TEMPERATURE RANGE	09.0C
TOTAL RAINFALL FOR THE MONTH	26.8 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	75.8 MM
TOTAL RAINFALL (34 YRS LONG TERM AV)	83.6 MM
MAXIMUM RAINFALL IN 24 HOURS	10.9 MM (23rd)
RAIN DAYS (0.2MM OR MORE)	09
WET DAYS (1.0MM OR MORE)	07
DAYS WITH RAIN INCLUDED	12
DAYS WITH HAIL	00
DAYS WITH THUNDER	01
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00
MAXIMUM ATMOSPHERIC PRESSURE	1035.0 MB (08th)

MINIMUM ATMOSPHERIC PRESSURE	1009.0 MB (19th)
MEAN ATMOSPHERIC PRESSURE	1022.1 MB (34YR MEAN) 1016.8 MB
MEAN SW SEA TEMP (JULY 1986-2021 AV)	16.1C
10YR RUNNING MEAN SW SEA TEMP (JULY 2012-2021)	16.6C
MEAN SW SEA TEMP JULY 2022:	17.3C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A VERY WEAK RIDGE COVERED ENGLAND AND IRELAND.

ON THE 2ND A COLD FRONT CLEARED DURING THE MORNING, BEING FOLLOWED BY A SHOWERY WESTERLY AIRSTREAM AND SLOWLY RISING PRESSURE.

THE 3RD SAW A SLIGHTLY SHOWERY WESTERLY AIRSTREAM AS A RIDGE STRENGTHENED. THE RIDGE CONTINUED TO BUILD ON THE 4TH, 5TH AND 6TH AS THE HIGH PERSISTED IN THE SOUTHWEST APPROACHES.

ON THE 7TH A WEAK COLD FRONT MOVED AWAY SOUTHWARDS AND CLEARED. A HIGH (1040MB) AT 47.5N/22W AND A STRONG RIDGE PERSISTED ACROSS THE UK, IRELAND AND FRANCE.

THERE WAS LITTLE CHANGE IN THIS SITUATION ON THE 8TH. BY THE 9TH THE HIGH (1035MB) WAS JUST WEST OF IRELAND WITH RIDGES TO AND OVER THE UK, IRELAND, FRANCE AND BISCAY.

BY THE 10TH THE HIGH (1028MB) HAD MOVED TO THE ISLE OF MAN AND HAD BECOME THE DOMINANT FEATURE.

BY THE 11TH THE HIGH (1026MB) HAD MOVED TO HOLLAND AS A WEAKENING RIDGE PERSISTED IN THE SOUTHWEST APPROACHES.

ON THE 12TH THE HIGH (1025MB) OVER HOLLAND STRETCHED A RIDGE ACROSS THE UK AND IRELAND TO A NEW HIGH (1029MB) AT 47.5N/24W.

ON THE 13TH A HIGH (1030MB) AT 49N/20W EXTENDED A RIDGE TO AND OVER THE UK AS A WEAK COLD FRONT DIED OUT.

BY THE 14TH THE HIGH (1030MB) AT 50N/13W HAD PUSHED A RIDGE OVER IRELAND, THE UK AND NORTH SEA.

ON THE 15TH THE HIGH (1027MB) HAD MOVED TO SW IRELAND WHILE A RIDGE PERSISTED OVER THE UK AND IRELAND.

BY THE 16TH THE HIGH (1026MB) HAD MOVED TO ANGLESEY WHICH DOMINATED THE WEATHER OVER THE UK AND IRELAND.

BY THE 17TH THE HIGH (1028MB) HAD MOVED TO HOLLAND WITH A RIDGE TO AND OVER THE UK.

ON THE 18TH THE HIGH (1024MB) HAD MOVED TO GERMANY AS THE RIDGE WEAKENED AND A HOT AIRFLOW CAME UP FROM SPAIN AND FRANCE.

BY THE 19TH PRESSURE FELL AWAY AS A THUNDERY SHOWER TROUGH CLEARED EARLY MORNING, BEFORE THE VERY WARM AIRFLOW RETURNED DURING LATE MORNING.

ON THE 20TH A WEAK COLD FRONT LINGERED BEFORE CLEARING DURING THE EVENING.

THE 21ST SAW A RIDGE OF HIGH PRESSURE WHICH CONTINUED ON THE 22ND.

A FRONTAL SYSTEM EDGED IN ON THE 23RD BRINGING A MILD, DAMP SW AIRSTREAM.

ON THE 24TH A COLD FRONT CLEARED DURING THE EVENING, BEING FOLLOWED OVERNIGHT BY AN OCCLUSION.

THE 25TH SAW A SHOWERY WESTERLY AIRSTREAM AND ON THE 26TH A HIGH (1025MB) AT 45N/14W PUSHED A RIDGE TO & OVER THE UK.

ON THE 27TH THE RIDGE WEAKENED AS A WEAK WARM FRONT EDGED EASTWARDS AND CLEARED LATER IN THE DAY.

ON THE 28TH A QUASI-STATIONARY OCCLUSION OVER THE ISLES OF SCILLY BROKE UP AND DIED OUT.

ON THE 29TH THERE WAS A SLACK AREA OF LOW PRESSURE.

ON THE 30TH A WEAK WARM FRONT PUSHED ACROSS CORNWALL TO BE FOLLOWED BY A BROAD WARM SECTOR.

THE 31ST SAW A COLD FRONT GRADUALLY CLEARING.

THE MAIN ATLANTIC JET STREAM WAS MOSTLY EITHER OVER, OR TO THE NORTHWEST OF THE UK DURING THE FIRST THREE WEEKS BEFORE TRANSFERRING TO THE WEST OR SOUTHWEST FOR THE FINAL WEEK.

JULY WAS CHARACTERISED AS BEING A VERY DRY AND WARM MONTH, GENERALLY WITH A GOOD DEAL OF SUNSHINE.

IT WAS THE DRIEST JULY HERE SINCE 1999 AND THE MEAN MAX AND MEAN MIN TEMPERATURES WERE THE HIGHEST HERE IN ANY JULY SINCE 2018.

THE 19TH SAW THE SECOND HIGHEST TEMPERATURE EVER RECORDED HERE (28.7C) AND THERE WAS NO MEASURABLE RAIN BETWEEN THE 3RD & 17TH INCLUSIVE.

ON THE 19TH THERE WAS FREQUENT DISTANT THUNDER TO THE WEST AND SOUTHWEST AT 0645 GMT AND AGAIN AT 0730 GMT WHEN THERE WAS A THUNDERSTORM 3-4 MILES TO THE WEST AND SOUTHWEST, ACCOMPANIED BY HEAVY RAIN.

THE MAIN WIND DIRECTION FOR THE MONTH WAS WESTERLY, FOLLOWED BY NORTHEASTERLY AND THE MAXIMUM (ESTIMATED) WIND GUST WAS 24KT (27 MPH) ON THE 24TH.

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