

# STITHIANS WEATHER SUMMARY

## JULY 2024

|                                      |                                    |
|--------------------------------------|------------------------------------|
| HIGHEST MAXIMUM TEMPERATURE          | 27.1C (31ST)                       |
| HIGHEST MINIMUM TEMPERATURE          | 16.7C (20TH)                       |
| LOWEST MAXIMUM TEMPERATURE           | 16.3C (06TH)                       |
| LOWEST MINIMUM TEMPERATURE           | 06.0C (28TH)                       |
| MEAN MAXIMUM TEMPERATURE             | 19.4C (10YR) 20.4C (36YR)<br>19.3C |
| MEAN MINIMUM TEMPERATURE             | 12.3C (10YR) 12.3C (36YR)<br>11.9C |
| MEAN TEMPERATURE FOR MONTH           | 15.8C (10YR) 16.3C (36YR)<br>15.6C |
| MAX DAILY TEMPERATURE RANGE          | 16.6C (29TH)                       |
| MEAN DAILY TEMPERATURE RANGE         | 07.1C                              |
| TOTAL RAINFALL FOR THE MONTH         | 121.3 MM                           |
| TOTAL RAINFALL (10 YRS RUNNING MEAN) | 75.6 MM                            |
| TOTAL RAINFALL (36 YRS LONG TERM AV) | 83.8 MM                            |
| MAXIMUM RAINFALL IN 24 HOURS         | 34.2 MM (08TH)                     |
| RAIN DAYS (0.2MM OR MORE)            | 18                                 |
| WET DAYS (1.0MM OR MORE)             | 13                                 |
| DAYS WITH RAIN INCLUDED              | 23                                 |
| 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            | 1024.0 MB (28TH)                   |
| MINIMUM ATMOSPHERIC PRESSURE            | 1001.0 MB (05TH)                   |
| MEAN ATMOSPHERIC PRESSURE               | 1013.9 MB (37YR MEAN)<br>1016.8 MB |
| MEAN SW SEA TEMP<br>(JULY 1986-2023 AV) | 16.1C                              |
| 10YR RUNNING MEAN SW SEA TEMP           | 16.9C                              |
| MEAN SW SEA TEMP JULY 2024:             | 16.2C                              |

### NOTES

SYNOPTIC SITUATION: ON THE 1ST THERE WAS A RIDGE OF HIGH PRESSURE OVER ENGLAND AND A FRONTAL SYSTEM OVER NORTHERN ENGLAND AND SCOTLAND.

ON THE 2ND A HIGH (1034MB) WEST OF THE AZORES EXTENDED A RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 3RD A FRONTAL SYSTEM ARRIVED FROM THE WEST.

THE 4TH SAW A SHOWERY WESTERLY AIRSTREAM OVER THE UK AND IRELAND.

ON THE 5TH A SMALL LOW (1006MB) FORMED WEST OF THE ISLES OF SCILLY WHICH MOVED AWAY EASTWARDS AS A SHOWERY WESTERLY ARRIVED.

THERE WAS LITTLE CHANGE ON 6TH AND 7TH.

ON THE 8TH A LOW (1004MB) SW OF CORNWALL PUSHED AN ACTIVE FRONTAL SYSTEM NORTHEASTWARDS.

BY THE 9TH THIS LOW (1003MB) WAS OVER WEST WALES WITH A SHOWERY SOUTH TO SOUTHEASTERLY AIRSTREAM CIRCULATING AROUND IT.

BY THE 10TH THE LOW (1006MB) HAD MOVED TO THE ISLE OF MAN AS THE NORTHWESTERLY PERSISTED.

ON THE 11TH THERE WAS A WEAK HIGH PRESSURE RIDGE.

THE 12TH SAW AN OCCLUSION MOVE AWAY TO THE SOUTHWEST AND CLEAR.

ON THE 13TH A SLACK AREA OF LOW PRESSURE COVERED THE UK AND IRELAND.

THERE WAS LITTLE CHANGE ON 14TH.

ON THE 15TH A LOW (1004MB) OVER BRITTANY PUSHED AN ACTIVE FRONTAL SYSTEM UP ACROSS SOUTH AND SW ENGLAND.

BY THE 16TH THE LOW (1005MB) WAS OVER THE NORTH SEA AS A RIDGE OF HIGH PRESSURE MOVED IN.

ON THE 17TH A HIGH (1021MB) DEVELOPED IN THE EASTERN ENGLISH CHANNEL WHICH DOMINATED THE WEATHER ACROSS THE UK.

ON THE 18TH THE HIGH (1023MB) MOVED TO SOUTHEAST DENMARK AS A WEAK RIDGE PERSISTED OVER S E ENGLAND.

ON THE 19TH THE WEAK RIDGE COLLAPSED AS A WEAK COLD FRONT ARRIVED FROM THE SOUTHWEST.

THE 20TH SAW AN ACTIVE FRONTAL SYSTEM MOVE UP FROM THE SOUTHWEST BEFORE CLEARING DURING THE EVENING.

THE 21ST SAW A WEAK RIDGE BEFORE A FRONTAL SYSTEM ARRIVED DURING THE EVENING. THIS CLEARED OVERNIGHT LEAVING A VERY MILD AND MOIST SOUTHWESTERLY BEFORE A NEW FRONTAL SYSTEM ARRIVED DURING MID-AFTERNOON OF THE 22ND. THIS CLEARED OVERNIGHT.

ON THE 23RD THERE WAS A HIGH PRESSURE RIDGE.

THE 24TH SAW A FRONTAL SYSTEM ARRIVE FROM THE SOUTHWEST.

THE 25TH SAW A WAVING COLD FRONT AFFECTING THE REGION BEFORE CLEARING LATE IN THE EVENING.

ON THE 26TH THERE WAS A SLIGHTLY SHOWERY WESTERLY AIRSTREAM.

ON THE 27TH A WEAK OCCLUSION EDGED IN FROM THE WEST AND BROKE UP. PRESSURE ROSE OVERNIGHT AS A HIGH (1027MB) FORMED OVER SE NORFOLK WHICH DOMINATED THE WEATHER ACROSS THE UK AND IRELAND ON THE 28TH.

ON THE 29TH THERE WAS A SLACK AREA OF LOW PRESSURE AS THE HIGH (1025MB) S DENMARK MOVED AWAY TO THE S E.

ON THE 30TH A NEW HIGH (1021MB) FORMED TO THE SOUTHWEST OF IRELAND WHICH EXTENDED A RIDGE TO AND OVER NORTHERN IRELAND.

THE 31ST SAW A SLACK AREA OF LOW PRESSURE.

THE MAIN ATLANTIC JET STREAM WAS EITHER OVER THE UK OR TO THE WEST OR SOUTHWEST AND GENERALLY STRENGTHENED DURING THE MONTH.

JULY WAS A WET AND RATHER COOL MONTH WITH BELOW AVERAGE PRESSURE AND VERY LITTLE IN THE WAY OF HIGH PRESSURE AROUND.

THE FINAL THIRD OF THE MONTH SAW TEMPERATURES RECOVERING WITH THE MAXIMUM TEMPERATURE OF 27.1C OCCURRING ON THE 31ST.

THERE WERE FOUR DRY DAYS FROM THE 28TH-31ST INCLUSIVE.

THE PREDOMINANT WIND DIRECTION WAS NORTHWESTERLY.

THE MAXIMUM (MEASURED) WIND GUST WAS 16KT (18 MPH) ON THE 6TH.

THE MEAN MAXIMUM TEMPERATURE WAS THE SAME AS JULY 2023.

THE MEAN TEMPERATURE WAS THE LOWEST IN JULY SINCE 2020, AS WAS ALSO THE MEAN SOUTHWEST SEA TEMPERATURE.

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) THIS NOW INCLUDES A DIRECT LINK FOR OUR STITHIANS WEATHER STATION LIVE WEATHER DATA FEED (VIA WUNDERGROUND).

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. A  
LIVE WEATHER DATA FEED FROM OUR STITHIANS WEATHER STATION IS  
NOW ALSO SENT TO: [www.wunderground.com](http://www.wunderground.com)