

# STITHIANS WEATHER SUMMARY

## SEPTEMBER 2024

HIGHEST MAXIMUM TEMPERATURE	22.6C (01ST)
HIGHEST MINIMUM TEMPERATURE	16.1C (01ST)
LOWEST MAXIMUM TEMPERATURE	13.6C (27TH)
LOWEST MINIMUM TEMPERATURE	01.8C (13TH)
MEAN MAXIMUM TEMPERATURE	17.2C (10YR) 17.7C (36YR) 17.1C
MEAN MINIMUM TEMPERATURE	10.6C (10YR) 10.4C (36YR) 10.0C
MEAN TEMPERATURE FOR MONTH	13.9C (10YR) 14.0C (36YR) 13.5C
MAX DAILY TEMPERATURE RANGE	14.9C (13TH)
MEAN DAILY TEMPERATURE RANGE	06.2C
TOTAL RAINFALL FOR THE MONTH	135.4 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	110.7 MM
TOTAL RAINFALL (36 YRS LONG TERM AV)	94.9 MM
MAXIMUM RAINFALL IN 24 HOURS	36.2 MM (29TH)
RAIN DAYS (0.2MM OR MORE)	22
WET DAYS (1.0MM OR MORE)	16
DAYS WITH RAIN INCLUDED	22
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	1030.0 MB (13TH & 14TH)
MINIMUM ATMOSPHERIC PRESSURE	983.0 MB (26TH)
MEAN ATMOSPHERIC PRESSURE	1014.2 MB (37YR MEAN) 1016.8 MB
MEAN SW SEA TEMP	
SEPTEMBER 1986-2023 AV)	16.2C
10YR RUNNING MEAN SW SEA TEMP	16.4C
MEAN SW SEA TEMP SEPTEMBER 2024:	16.3C

### NOTES

SYNOPTIC SITUATION: ON THE 1ST PRESSURE FELL AS A WEAK WARM FRONT PERSISTED FROM CORNWALL TO WALES TO NE ENGLAND. A LOW (1006MB) AT 50N/11W WAS MOVING NORTHEASTWARDS.

BY THE 2ND THE LOW (1007MB) HAD MOVED TO SE SCOTLAND AS AN OCCLUSION AFFECTED SW ENGLAND. THIS CLEARED OVERNIGHT LEAVING A VERY WEAK RIDGE FOR THE 3RD.

THERE WAS LITTLE CHANGE ON THE 4TH. ON THE 5TH A LOW (1010MB) DRIFTED SOUTHWARDS TO NW BISCAY AS A NORTHEASTERLY AIRSTREAM ARRIVED.

ON THE 6TH THERE WAS A FLABBY AREA OF LOW PRESSURE WITH AN ALMOST STATIONARY WARM FRONT FROM SOUTH NORFOLK TO CARDIFF AND WSW TO 50N/10W.

ON THE 7TH A LOW (1007MB) SW BRITTANY PUSHED AN OCCLUSION SLOWLY NORTHWARDS.

THE 8TH SAW THE LOW (1002MB) OVER NE ENGLAND AS IT'S OCCLUSION LINGERED ALL DAY OVER DEVON AND CORNWALL. THE OCCLUSION MOVED AWAY OVERNIGHT LEAVING A FRESH N.W. AIRSTREAM FOR THE 9TH.

ON THE 10TH A WARM SECTOR COVERED S AND SW ENGLAND BEFORE A COLD FRONT CLEARED OVERNIGHT.

THE 11TH SAW A COOL, FRESH NW AIRSTREAM.

THERE WAS LITTLE CHANGE ON THE 12TH. BY THE 13TH A NEW HIGH (1031MB) HAD FORMED OVER SW ENGLAND WHICH DOMINATED THE WEATHER ACROSS THE UK AND IRELAND.

ON THE 14TH THE HIGH (1032MB) HAD MOVED TO NORMANDY AND THERE WAS LITTLE CHANGE ON THE 15TH AS PRESSURE DECLINED. A WEAK COLD FRONT EDGED IN FROM THE NW WHICH DIED OUT OVERNIGHT.

THE 16TH SAW THE HIGH (1031MB) MOVE TO THE ISLE OF MAN WHICH DOMINATED THE WEATHER ACROSS THE UK AND IRELAND.

THERE WAS LITTLE CHANGE ON 17TH AS THE HIGH (1035MB) MOVED INTO THE CENTRAL NORTH SEA.

THE 18TH SAW LITTLE CHANGE AS THE HIGH (1036MB) MOVED TO OSLO WHILE MAINTAINING A RIDGE TO AND OVER IRELAND, UK AND SWAPPS.

THE 19TH SAW THE HIGH (1034MB) MOVE TO MID-BALTIC AS AN EASTERLY AIRSTREAM COVERED THE UK AND IRELAND.

PRESSURE DECLINED FURTHER AND THE EASTERLY AIRSTREAM PERSISTED ON THE 20TH.

ON THE 21ST A THUNDERY SHOWER TROUGH PASSED THROUGH EARLY IN THE DAY AS PRESSURE DECREASED FURTHER.

ON THE 2ND A LOW (1009MB) MOVED UP FROM THE SOUTH TO WEST DORSET.

THE 23RD SAW THE LOW (1003MB) MOVING TO NORFOLK AS A SHOWERY NW AIRSTREAM PERSISTED AND AN OCCLUSION MOVED THROUGH LATE-EVENING.

ON THE 24TH A LOW (997MB) IN THE CENTRAL NORTH SEA INTRODUCED A COOLER NW AIRSTREAM.

ON THE 25TH AN OCCLUSION MOVED IN FROM THE SW WHICH MOVED THROUGH AROUND MIDDAY.

THE 26TH SAW A SHOWERY WESTERLY AIRSTREAM AS A LOW (982MB) AFFECTED THE ISLES OF SCILLY.

ON THE 27TH THE LOW (981MB) MOVED INTO THE SOUTHERN NORTH SEA AS A SHOWERY NW AIRSTREAM WAS DRAWN DOWN.

THE 28TH SAW A HIGH (1027MB) NE BISCAY DOMINATE THE WEATHER OVER THE UK AND IRELAND.

A LOW (992MB) AT 47.5N/25W WAS MOVING ENE AND BY THE 29TH THE LOW (984MB) HAD MOVED TO THE SW OF IRELAND BY 0600 GMT AS IT'S FRONTAL SYSTEMS PUSHED UP FROM THE SOUTHWEST.

BY THE 30TH THE LOW (996MB) HAD MOVED TO BRISTOL AS A SHOWERY NW AIRSTREAM MOVED IN BEHIND IT.

THE MAIN ATLANTIC JET STREAM WAS STRONG AND MAINLY BETWEEN THE NW AND SW OF THE BRITISH ISLES.

SEPTEMBER TURNED OUT TO BE WETTER THAN AVERAGE WITH NEAR NORMAL MEAN TEMPERATURES.

IT WAS AN UNSETTLED MONTH WITH ONLY A FEW DRY DAYS. HEAVIEST 24HR RAINFALL TOTALS INCLUDED 15.8MM ON THE 5TH, 21.3MM ON THE 7TH, 12.3MM ON THE 25TH AND 36.2MM ON THE 29TH.

THE 21ST SAW THUNDERSTORMS, MAINLY TO THE W AND SW BETWEEN 0805 GMT AND 0906 GMT.

THE MAIN WIND DIRECTION IN SEPTEMBER WAS NORTHWESTERLY, FOLLOWED BY SOUTHEASTERLY AND THE MAXIMUM (MEASURED) WIND GUSTS FOR THE MONTH WERE 20KT (23 MPH) ON THE 29TH AND 30TH.

IT WAS THE WETTEST SEPTEMBER SINCE 2022.

THE 13TH SAW THE COLDEST SEPTEMBER NIGHT SINCE 2018 WITH A MINIMUM TEMPERATURE OF 01.8C RECORDED.

THE MEAN MAXIMUM TEMPERATURE WAS EQUAL WITH SEPTEMBER 2019 AND THE MEAN TEMPERATURE WAS EQUAL WITH SEPTEMBER 2020.

THE MEAN SW SEA TEMPERATURE WAS THE LOWEST IN SEPTEMBER SINCE 2021.

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)