

STITHIANS WEATHER SUMMARY

OCTOBER 2024

HIGHEST MAXIMUM TEMPERATURE	17.1C (07TH)
HIGHEST MINIMUM TEMPERATURE	14.6C (16TH)
LOWEST MAXIMUM TEMPERATURE	12.2C (11TH)
LOWEST MINIMUM TEMPERATURE	02.0C (23RD)
MEAN MAXIMUM TEMPERATURE	14.9C (10YR) 14.6C (36YR) 14.0C
MEAN MINIMUM TEMPERATURE	09.5C (10YR) 08.7C (36YR) 08.4C
MEAN TEMPERATURE FOR MONTH	12.2C (10YR) 11.6C (36YR) 11.2C
MAX DAILY TEMPERATURE RANGE	12.6C (23RD)
MEAN DAILY TEMPERATURE RANGE	05.4C
TOTAL RAINFALL FOR THE MONTH	137.3 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	150.3 MM
TOTAL RAINFALL (36 YRS LONG TERM AV)	146.6 MM
MAXIMUM RAINFALL IN 24 HOURS	22.5 MM (15TH)
RAIN DAYS (0.2MM OR MORE)	20
WET DAYS (1.0MM OR MORE)	15
DAYS WITH RAIN INCLUDED	25
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 (22ND & 23RD)
MINIMUM ATMOSPHERIC PRESSURE	984.0 MB (08TH)
MEAN ATMOSPHERIC PRESSURE	1011.7 MB (37YR MEAN) 1013.3 MB
MEAN SW SEA TEMP	
OCTOBER 1986-2023 AV)	14.7C
10YR RUNNING MEAN SW SEA TEMP	14.8C
MEAN SW SEA TEMP OCTOBER 2024:	14.7C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A LOW (1001MB) IN THE NORTH SEA WAS PRODUCING A SLIGHTLY SHOWERY NW AIRSTREAM.

ON THE 2ND THE LOW (1007MB) HAD MOVED TO NE FRANCE AND A HIGH (1025MB) WAS CENTRED OVER SCOTLAND WHICH EXTENDED A RIDGE TO AND OVER IRELAND.

BY THE 3RD THE HIGH (1026MB) HAD MOVED TO THE EAST OF ABERDEEN WHICH DOMINATED THE WEATHER OVER THE UK AND IRELAND.

THERE WAS LITTLE CHANGE ON THE 4TH AS THE HIGH (1023MB) MOVED TO SW NORWAY.

ON THE 5TH A FRESH SE AIRSTREAM DEVELOPED AS THE HIGH (1022MB) MOVED TO SOUTHERN DENMARK. AN ACTIVE OCCLUSION MOVED IN DURING LATE AFTERNOON AND EVENING, BEFORE CLEARING OVERNIGHT.

THE 6TH SAW A WAVING COLD FRONT MOVING EASTWARDS AND CLEARING DURING THE EVENING.

THE 7TH SAW A LOW (977MB) AT 50.5N/17W PUSHING AN OCCLUSION UP FROM THE SW BEFORE CLEARING DURING THE EVENING.

ON THE 8TH A LOW (984MB) MOVED SLOWLY EASTWARDS TO THE ISLES OF SCILLY WHILE PUSHING SHOWER TROUGHS AHEAD OF IT.

BY THE 9TH THE LOW (985MB) WAS OVER NORFOLK AND AN ISOBARIC TROUGH WAS STRETCHED TO SW ENGLAND.

ON THE 10TH THERE WAS A SLIGHTLY SHOWERY AND COOLER NW AIRSTREAM.

ON THE 11TH THERE WAS A WEAK RIDGE.

A WEAK COLD FRONT MOVED SE DURING THE EVENING OF THE 12TH.

THE 13TH SAW A WEAK RIDGE SOON DECLINE AS A WARM FRONT ARRIVED FROM THE SW DURING THE EVEING.

ON THE 14TH A FRONTAL SYSTEM MOVED UP ACROSS THE REGION, BEFORE OCCLUDING AND MOVING AWAY NORTHWARDS.

ON THE 15TH AN ACTIVE WARM FRONT MOVED NORTHWARDS FROM BRITTANY AND NE. FRANCE.

THE 16TH SAW A COLD FRONT CLEARING NORTHEASTWARDS DURING THE EVENING, BEING FOLLOWED BY A SW AIRSTREAM FOR THE 17TH.

THE 18TH SAW A WARM SECTOR MOVING UP FROM THE SW AS A LOW (953MB) WAS SLOW MOVING SOUTH OF ICELAND.

ON THE 19TH A WEAK RIDGE PREVAILED. A LOW (979MB) STORM 'ASHLEY' WAS AT 50N/25W AT 1200 GMT, AT 1800 GMT (962MB) AT 50.5N/20W AND AT 0000 GMT (950MB) AT 53N/20W.

ON THE 20TH AT 0600 GMT STORM 'ASHLEY' (LOW 952MB) WAS AT 53N/18W, AT 1200 GMT (959MB) AT 55N/13W &AND AT 1800 GMT (962MB) AT 57.5N/09W. THIS SYSTEM PUSHED FRONTS UP ACROSS THE UK, CLEARING FROM CORNWALL DURING LATE MORNING.

THE 21ST SAW A MOIST SW AIRSTREAM.

ON THE 22ND A SLOW MOVING FRONTAL SYSTEM WAS OVER SW ENGLAND WHILE A MOIST SW AIRSTREAM PERSISTED.

THE 23RD SAW A HIGH (1036MB) GERMANY EXTEND A WEAKENING RIDGE TO AND OVER THE UK.

ON THE 24TH THERE WAS A SE AIRSTREAM AS PRESSURE FELL AND THE HIGH (1038MB) OVER UKRAINE DECLINED.

ON THE 25TH A COLD FRONT CLEARED EARLY HOURS AS A LOW (994MB) PERSISTED TO THE WEST OF THE ISLES OF SCILLY.

THE 26TH SAW THE LOW MOVING OFF TO THE SOUTH AS A SLACK AREA OF LOW PRESSURE COVERED THE REGION.

ON THE 27TH THERE WAS A HIGH PRESSURE RIDGE BEFORE A WEAK WARM FRONT EDGED IN LATE EVENING.

ON THE 28TH A MOIST AND VERY MILD WARM SECTOR PERSISTED.

ON THE 29TH PRESSURE ROSE STEADILY RESULTING IN A HIGH (1030MB) FORMING OVER WESTERN WALES ON THE 30TH.

THERE WAS LITTLE CHANGE ON THE 31ST AS THE HIGH (1028MB) DOMINATED THE WEATHER OVER UK AND IRELAND.

OCTOBER TURNED OUT TO BE AN UNSETTLED MONTH, OFTEN WITH CLOUDY OR OVERCAST SKIES.

IT WAS WARMER THAN AVERAGE WITH THE MEAN TEMPERATURE 1C ABOVE NORMAL.

RAINFALL WAS SLIGHTLY BELOW NORMAL BUT DESPITE THIS, THERE WERE SOME WET DAYS, INCLUDING THE 5TH (13.3MM), THE 6TH (15.1MM), THE 7TH (17.4MM), THE 13TH (18.4MM), THE 15TH (22.5MM) AND THE 19TH (15.2MM).

AFTER THE 20TH, RAINFALL AMOUNTS WERE LIGHTER AND MORE SPORADIC.

THE MAXIMUM (MEASURED) WIND GUST FOR THE MONTH WAS 19KT (21 MPH) ON THE 20TH AND THE MAIN WIND DIRECTION (AT 0900 GMT) WAS EQUALLY SPLIT BETWEEN SOUTHEASTERLY AND CALM.

THE MEAN MAX TEMPERATURE WAS THE LOWEST IN OCTOBER SINCE 2019.

THE MEAN MIN. TEMPERATURE WAS THE LOWEST IN OCTOBER SINCE 2021 AND THE MEAN TEMPERATURE WAS EQUAL WITH OCTOBER 2021.

THE MEAN SW SEA TEMPERATURE WAS THE LOWEST IN OCTOBER SINCE 2020.

PLEASE NOTE THAT WE HAVE A VERY INFORMATIVE AND MUCH MORE DETAILED WEBSITE WHICH CAN BE FOUND AT: 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