

# STITHIANS WEATHER SUMMARY

## OCTOBER 2023

HIGHEST MAXIMUM TEMPERATURE	22.2C (09TH)
HIGHEST MINIMUM TEMPERATURE	16.7C (01ST)
LOWEST MAXIMUM TEMPERATURE	12.5C (29TH)
LOWEST MINIMUM TEMPERATURE	02.9C (15TH)
MEAN MAXIMUM TEMPERATURE	15.9C (10YR) 14.6C (35YR) 14.0C
MEAN MINIMUM TEMPERATURE	11.1C (10YR) 08.7C (35YR) 08.3C
MEAN TEMPERATURE FOR MONTH	13.5C (10YR) 11.6C (35YR) 11.1C
MAX DAILY TEMPERATURE RANGE	15.1C (08TH)
MEAN DAILY TEMPERATURE RANGE	04.8C
TOTAL RAINFALL FOR THE MONTH	167.4 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	154.3 MM
TOTAL RAINFALL (35 YRS LONG TERM AV)	146.0 MM
MAXIMUM RAINFALL IN 24 HOURS	22.8 MM (12TH)
RAIN DAYS (0.2MM OR MORE)	23
WET DAYS (1.0MM OR MORE)	19
DAYS WITH RAIN INCLUDED	24
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	1028.0 MB (03RD)
MINIMUM ATMOSPHERIC PRESSURE	976.0 MB (19TH)
MEAN ATMOSPHERIC PRESSURE	1005.7 MB (36YR MEAN) 1013.5 MB
MEAN SW SEA TEMP	
(OCTOBER 1986-2022 AV)	14.7C
10YR RUNNING MEAN SW SEA TEMP	14.7C
MEAN SW SEA TEMP OCTOBER 2023:	15.4C

### NOTES

SYNOPTIC SITUATION: ON THE 1ST THERE WAS A MOIST SW AIRSTREAM WHICH CONTINUED ON THE 2ND BEFORE A COLD FRONT CLEARED IN THE LATE EVENING.

ON THE 3RD A SHOWERY WESTERLY PREVAILED. ON THE 4TH A Milder SW AIRSTREAM ARRIVED AS A HIGH (1031MB) TOOK UP POSITION OVER NW FRANCE.

ON THE 5TH THE HIGH (1028MB) HAD MOVED TO NE FRANCE BRINGING A VERY MILD SW AIRSTREAM. THERE WAS LITTLE CHANGE ON THE 6TH WHILE A LOW (973MB) WAS SLOW MOVING AT 45N/33W.

THE 7TH SAW THE HIGH (1027MB) PERSISTING OVER CENTRAL FRANCE.

BY THE 8TH THE HIGH (1028MB) HAD MOVED INTO THE SOUTHERN NORTH SEA WHILE A LOW (992MB) WAS SLOW MOVING AT 45N/35W.

ON THE 9TH THE HIGH (1025MB) HAD MOVED TO SOUTHERN BRITTANY AS THE VERY WARM S TO SW AIRSTREAM CONTINUED.

THE 10TH SAW A MILD, BROAD WARM SECTOR COVERING THE UK AND IRELAND WHICH PERSISTED OVER SOUTHERN AND SW ENGLAND ON THE 11TH.

ON THE 12TH AN OCCLUSION AND A COLD FRONT STRETCHED FROM DOVER TO CORNWALL TO THE SW OF IRELAND. AN ACTIVE FRONTAL SYSTEM ARRIVED FROM THE SOUTHWEST DURING THE EVENING.

ON THE 13TH A LOW (997MB) SW OF THE ISLES OF SCILLY MOVED TO DOVER BY THE EVENING.

THE 14TH SAW A SLIGHTLY SHOWERY W/NW AIRSTREAM AS A HIGH (1030MB) FORMED AT 53N/21W.

BY 15TH THE HIGH (1028MB) HAD MOVED TO WATERFORD WHICH DOMINATED THE WEATHER OVER THE UK AND IRELAND.

ON THE 16TH THE EASTERLY GRADIENT INCREASED WITH A HIGH (1024MB) NORTH WALES LINKED TO A HIGH (1026MB) OVER THE BALKANS AND A LOW (981MB) NE OF AZORES PERSISTED.

ON THE 17TH A LOW (980MB) AT 42N/12W EXTENDED A FRONTAL SYSTEM TO NW BISCAY.

THE 18TH SAW THE LOW (983MB) NORTH BISCAY MOVING NORTHEASTWARDS AS A STRONG SE/E AIRSTREAM WAS MAINTAINED.

THE 19TH SAW A LOW (967MB) AT 48N/12W (STORM 'BABET') MOVE OFF SOUTHWARDS AS IT'S OCCLUSIONS PUSHED UP OVER SCOTLAND & WHICH BECAME BLOCKED BY A HIGH (1028MB) OVER NW SCANDINAVIA.

ON THE 20TH A COMPLEX AREA OF LOW PRESSURE (974MB) PERSISTED OVER ENGLAND WHILE FOUR SEPARATE OCCLUSIONS WERE ALMOST STATIONARY OVER NORTHERN ENGLAND, SOUTH AND SOUTHWEST SCOTLAND.

ON THE 21ST A COMPLEX AREA OF LOW PRESSURE (978MB) COVERED SW TO NW ENGLAND.

THE 22ND SAW A SHOWERY SW AIRSTREAM.

ON THE 23RD A LOW (997MB) SW OF KERRY PUSHED AN OCCLUSION UP ACROSS CORNWALL.

ON THE 24TH THE LOW (994MB) HAD MOVED TO KERRY AS A SHOWERY SE/S AIRSTREAM CONTINUED BEFORE AN OCCLUSION ARRIVED IN THE LATE EVENING.

ON THE 5TH AN OCCLUSION PUSHED UP FROM THE SW WHICH CLEARED DURING THE EVENING.

ON THE 26TH A SHOWER TROUGH MOVED THROUGH DURING THE DAY.

THE 27TH SAW A SLOW MOVING PRIMARY LOW (977MB) WEST OF KERRY BRINGING IN A SHOWERY SW AIRSTREAM AND AN OCCLUSION MOVING THROUGH DURING THE EVENING.

ON THE 28TH A LOW (980MB) ISLES OF SCILLY PUSHED AN OCCLUSION THROUGH DURING THE MORNING.

ON THE 29TH A SHOWERY OCCLUSION PASSED THROUGH AS THE LOW (975MB) SOUTH OF KERRY PERSISTED.

ON THE 30TH THERE WAS LITTLE CHANGE IN THIS SITUATION.

THE ATLANTIC JET STREAM WAS MAINLY EITHER OVER, TO THE WEST OR SOUTHWEST OF THE UK.

OCTOBER TURNED OUT TO BE A WETTER AND MUCH MILDER MONTH THAN AVERAGE. IT WAS CHANGEABLE WITH RAIN OCCURRING ON MOST DAYS, APART FROM THE 5TH-9TH INCLUSIVE.

THE SECOND HALF OF THE MONTH SAW BELOW AVERAGE ATMOSPHERIC PRESSURE. IT WAS THE WETTEST OCTOBER SINCE 2021 WITH THE MEAN MIN. TEMPERATURE AND THE MEAN TEMPERATURE THE HIGHEST FOR ANY OCTOBER SO FAR RECORDED HERE.

THE 9TH SAW THE WARMEST OCTOBER DAY HERE SINCE 2011. THE HIGHEST MIN. TEMPERATURE IS ALSO A NEW RECORD FOR ANY OCTOBER.

THE MONTH SAW THE LOWEST PRESSURE IN ANY OCTOBER SINCE 2003 (AS WAS THE MAX/MIN PRESSURE RANGE ALSO). THE MONTH ALSO SAW THE LOWEST MEAN MONTHLY PRESSURE FOR ANY OCTOBER (IN CORNWALL) SINCE 1980.

THE MEAN SEA TEMPERATURE WAS EQUAL WITH OCTOBER 2019.

THE MAIN WIND DIRECTION WAS SOUTHWESTERLY, CLOSELY FOLLOWED BY WESTERLY. THE MAXIMUM RECORDED WIND GUST WAS 20KT (23 MPH) ON THE 17TH.

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)