

# STITHIANS WEATHER SUMMARY

## MAY 2024

HIGHEST MAXIMUM TEMPERATURE	21.9C (19TH)
HIGHEST MINIMUM TEMPERATURE	13.0C (27TH & 28TH)
LOWEST MAXIMUM TEMPERATURE	12.9C (26TH)
LOWEST MINIMUM TEMPERATURE	00.6C (04TH)
MEAN MAXIMUM TEMPERATURE	16.5C (10YR) 15.7C (36YR) 15.0C
MEAN MINIMUM TEMPERATURE	09.2C (10YR) 07.2C (36YR) 07.1C
MEAN TEMPERATURE FOR MONTH	12.8C (10YR) 11.4C (36YR) 11.0C
MAX DAILY TEMPERATURE RANGE	15.0C (21ST & 23RD)
MEAN DAILY TEMPERATURE RANGE	05.6C
TOTAL RAINFALL FOR THE MONTH	66.0 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	73.1 MM
TOTAL RAINFALL (36 YRS LONG TERM AV)	70.7 MM
MAXIMUM RAINFALL IN 24 HOURS	19.7 MM (12TH)
RAIN DAYS (0.2MM OR MORE)	12
WET DAYS (1.0MM OR MORE)	09
DAYS WITH RAIN INCLUDED	18
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 (08TH)
MINIMUM ATMOSPHERIC PRESSURE	991.0 MB (14TH)
MEAN ATMOSPHERIC PRESSURE	1011.6 MB (37YR MEAN) 1016.6 MB
MEAN SW SEA TEMP (MAY 1986-2023 AV)	11.6C
10YR RUNNING MEAN SW SEA TEMP	12.2C
MEAN SW SEA TEMP MAY 2024:	13.3C

### NOTES

SYNOPTIC SITUATION: ON THE 1ST A SLACK AREA OF LOW PRESSURE COVERED THE UK AND IRELAND, WHILE A LOW (1001MB) WAS OVER CENTRAL FRANCE AND A LOW (1003MB) WAS OVER SE FRANCE AS A WARM FRONT EXTENDED TO CENTRAL UK.

THE 2ND SAW THE LOW (997MB) NORTH OF ITALY EXTEND AN ISOBARIC TROUGH TO AND OVER THE UK WITH TWO NW/SE ORIENTATED WARM FRONTS SW ENGLAND TO THE NW OF IRELAND.

ON THE 3RD A LOW (1003MB) SOUTHERN NORTH SEA EXTENDED A WARM FRONT FROM NORFOLK TO POWYS TO DUBLIN TO GALWAY AMID AN AREA OF FLABBY LOW PRESSURE ACROSS THE UK AND IRELAND. THERE WAS LITTLE CHANGE ON THE 4TH.

THE 5TH SAW A LOW (999MB) SW OF THE ISLES OF SCILLY WHICH PUSHED AN OCCLUSION UP ACROSS THE REGION.

BY THE 6TH THE LOW (1005MB) HAD MOVED TO SOUTHERN BRITTANY AS A WEAK RIDGE MOVED IN.

ON THE 7TH A LARGE HIGH (1026MB) FORMED OVER THE UK, IRELAND AND BISCAY TO THE WEST OF PORTUGAL.

BY THE 8TH THE HIGH (1030MB) OVER SE NORFOLK DOMINATED THE WEATHER ACROSS THE UK AND IRELAND.

THERE WAS LITTLE CHANGE ON THE 9TH AS THE HIGH (1028MB) MOVED TO NORTH WALES.

ON THE 10TH THE HIGH (1027MB) DRIFTED INTO THE MID NORTH SEA WHILE MAINTAINING A RIDGE TO AND OVER THE UK AND IRELAND.

THERE WAS LITTLE CHANGE ON THE 11TH AS THE HIGH (1027MB) MOVED TO SOUTHERN SWEDEN AND PRESSURE SLOWLY DECLINED.

ON THE 12TH A SMALL LOW (1011MB) FORMED NW OF THE ISLES OF SCILLY.

ON THE 13TH A NEW LOW (991MB) CAME UP FROM THE SW WITH THE COLD FRONT CLEARING BY EARLY AFTERNOON.

BY THE 14TH THE LOW (989MB) WAS CENTRED OVER THE ISLES OF SCILLY AND IT'S WRAPPED AROUND OCCLUSION WAS SLOW MOVING.

ON THE 15TH THE LOW (994MB) WAS SW OF THE ISLES OF SCILLY WITH A SLIGHTLY SHOWERY AIRSTREAM AROUND IT.

THE 16TH SAW THE LOW (1001MB) MOVING TO THE SW OF BRITTANY AND A SHOWER TROUGH WAS SLOW MOVING FROM DARTMOOR TO THE NORTH OF THE ISLE OF WIGHT.

ON THE 17TH A SLACK AREA OF LOW PRESSURE COVERED THE UK AND IRELAND.

THERE WAS LITTLE CHANGE ON THE 18TH AND 19TH.

A 'COL' AREA COVERED THE UK AND IRELAND ON THE 20TH.

THE 21ST SAW LOW PRESSURE AND A SHOWER TROUGH FROM FALMOUTH TO NEWQUAY TO SE DARTMOOR.

ON THE 22ND A NEW LOW (999MB) DEVELOPED OFF OF NE ENGLAND WHICH BECAME SLOW MOVING.

ON THE 23RD THE LOW (1002MB) OVER NE ENGLAND DRIFTED SLOWLY NE WHILE A NW AIRSTREAM COVERED WESTERN AND SOUTHERN PARTS OF THE UK.

ON THE 24TH THE LOW (1015MB) HAD MOVED TO E SCOTLAND AS A SLACK AREA OF LOW PRESSURE LINGERED OVER THE UK AND IRELAND.

FROM THE 25<sup>TH</sup> TO THE 29<sup>TH</sup> A SLOW MOVING LOW MOVED ACROSS ENGLAND INTO THE NORTH SEA AND A NW AIRSTREAM COVERED THE UK AND IRELAND. A HIGH (1030MB) WAS WEST OF IRELAND.

THE 31<sup>ST</sup> SAW A HIGH (1031MB) WEST OF IRELAND PUSH A RIDGE ACROSS IRELAND AND SCOTLAND. AN OCCLUSION STRETCHED FROM SW NORWAY TO LINCOLNSHIRE TO NORTHERN FRANCE.

THE MAIN ATLANTIC JET STREAM WAS TO THE SOUTH OR SW OF THE UK DURING THE FIRST WEEK. THERAFTER IT VARIED FROM THE WEST TO NORTHWEST BEFORE SPREADING FROM THE NORTHWEST INTO SOUTHERN ENGLAND AROUND THE END OF THE MONTH.

MAY WAS DRIER THAN PREVIOUS MONTHS WITH TOTAL RAINFALL BEING ONLY SLIGHTLY BELOW NORMAL.

THERE WERE ONLY TWO REALLY WET DAYS, NAMELY, THE 12<sup>TH</sup> WITH 19.7MM AND THE 13<sup>TH</sup> WITH 10.4MM.

IT WAS ALSO WARMER THAN AVERAGE WITH ALL MEAN TEMPERATURES BEING ABOVE AVERAGE. THE MEAN MIN. TEMP AND THE MEAN TEMPERATURE WERE BOTH NEW HIGHEST VALUES FOR ANY MAY HERE.

THE MAIN WIND DIRECTION WAS SOUTHEASTERLY, FOLLOWED CLOSELY BY NORTHWESTERLY AND THE MAXIMUM (MEASURED) WIND GUST WAS 26KT (30 MPH) ON THE 25<sup>TH</sup>.

THE MEAN SW SEA TEMPERATURE WAS THE SAME AS IN MAY 2022.

THE SPRING AS A WHOLE WAS THE WARMEST ON RECORD HERE WITH THE MEAN MIN TEMP AND THE MEAN TEMPERATURE AGAIN BOTH BEING NEW 'HIGHEST' READINGS FOR ANY SPRING HERE SO FAR.

THE TOTAL DAYS WITH RAIN WAS ALSO A NEW RECORD 'HIGH' OF 69 FOR THE THREE MONTHS AND THE SPRING WAS, AGAIN, LIKE 2023, WET WITH ONLY 7MM OF RAIN MORE IN TOTAL!

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)