

STITHIANS WEATHER SUMMARY

OCTOBER 2022

HIGHEST MAXIMUM TEMPERATURE	18.2C (04th)
HIGHEST MINIMUM TEMPERATURE	15.7C (19th)
LOWEST MAXIMUM TEMPERATURE	14.3C (31st)
LOWEST MINIMUM TEMPERATURE	00.3C (11th)
MEAN MAXIMUM TEMPERATURE	16.1C (10YR) 14.3C (34YR) 13.9C
MEAN MINIMUM TEMPERATURE	10.6C (10YR) 08.4C (34YR) 08.3C
MEAN TEMPERATURE FOR MONTH	13.3C (10YR) 11.3C (34YR) 11.1C
MAX DAILY TEMPERATURE RANGE	15.8C (11th)
MEAN DAILY TEMPERATURE RANGE	05.5C
TOTAL RAINFALL FOR THE MONTH	120.5 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	160.0 MM
TOTAL RAINFALL (34 YRS LONG TERM AV)	146.7 MM
MAXIMUM RAINFALL IN 24 HOURS	18.9 MM (01st)
RAIN DAYS (0.2MM OR MORE)	24
WET DAYS (1.0MM OR MORE)	21
DAYS WITH RAIN INCLUDED	28
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	1029.0 MB (06th)

MINIMUM ATMOSPHERIC PRESSURE	993.0 MB (21 st ,23 rd & 31 st)
MEAN ATMOSPHERIC PRESSURE	1012.5 MB (34YR MEAN) 1013.6 MB
MEAN SW SEA TEMP (OCTOBER 1986-2021 AV)	14.6C
10YR RUNNING MEAN SW SEA TEMP	14.7C
MEAN SW SEA TEMP OCTOBER 2022:	14.9C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A SHOWERY WESTERLY AIRSTREAM COVERED THE UK, IRELAND AND MID ATLANTIC WHILE A DEEP LOW (961MB) PERSISTED OVER EASTERN ICELAND.

THE 2ND SAW AN EARLY OCCLUSION CLEARING AS A RIDGE OF HIGH PRESSURE ADVANCED FROM THE WEST.

ON THE 3RD THE RIDGE PERSISTED BEFORE A WARM FRONT RETURNED LATE AFTERNOON, BEING FOLLOWED BY A WARM SECTOR.

ON THE 5TH A LOW (989MB) NE SCOTLAND PUSHED A COLD FRONT EASTWARDS, BEING FOLLOWED BY A STRONG RIDGE FOR THE 6TH.

PRESSURE FELL ON THE 7TH AS A COLD FRONT EDGED IN FROM THE WEST BEFORE CLEARING LATE AFTERNOON.

ON THE 8TH A HIGH (1026MB) DOMINATED THE WEATHER ACROSS THE UK AND IRELAND.

THE 9TH SAW PRESSURE FALLING AS A COLD FRONT SLOWLY MOVED IN FROM THE WEST BEFORE CLEARING AROUND MIDNIGHT.

ON THE 10TH A HIGH (1029MB) AT 46N/20W EXTENDED A RIDGE TO AND OVER THE UK AND IRELAND.

BY THE 11TH A NEW HIGH (1027MB) HAD FORMED OVER THE ISLE OF WIGHT.

ON THE 12TH A FRONTAL SYSTEM MOVED IN FROM THE WEST BEFORE THE COLD FRONT CLEARED LATE EVENING.

THE 13TH SAW A WEAK RIDGE OF HIGH PRESSURE.

ON THE 14TH AN EARLY OCCLUSION CLEARED BEFORE ANOTHER ARRIVED DURING THE EVENING. THE OCCLUSION CLEARED EARLY ON THE 15TH BEFORE ANOTHER ARRIVED LATER.

ON THE 16TH A VERY WEAK RIDGE PREVAILED BEFORE A WARM FRONT ARRIVED FROM THE SOUTH BEFORE THE COLD FRONT CLEARED OVERNIGHT.

THE 17TH SAW A WEAK RIDGE AND ON THE 18TH ANOTHER WARM FRONT MOVED NORTHWARDS BRINGING A MOIST AND MILD SE AIRSTREAM WHILE A DEEP LOW (987MB) BECAME SLOW MOVING AT 46N/19W. THIS LOW DEEPENED TO 980MB ON THE 19TH AS A STRONG SE/E AIRSTREAM PERSISTED OVER UK AND IRELAND.

ON THE 20TH THE LOW WAS 978MB AT 45N/15W.

BY THE 21ST THE LOW (981MB) HAD MOVED TO SHANNON (SEA AREA) WHICH NOW DOMINATED THE WEATHER ACROSS UK AND IRELAND.

ON THE 22ND A VERY WEAK RIDGE WAS FOLLOWED BY A SMALL WAVE LOW LATER.

ON THE 23RD A NEW LOW (986MB) WEST OF MID BISCAY PUSHED AN OCCLUSION UP ACROSS THE REGION. THE LOW MOVED NORTHWARDS OVERNIGHT LEAVING A SHOWERY SW AIRSTREAM FOR THE 24TH.

A WEAK RIDGE ON THE 25TH SOON GAVE WAY TO A FRONTAL SYSTEM MOVING UP FROM THE SOUTH.

THE 26TH SAW A COLD FRONT CLEARING EARLY BEING REPLACED BY A BRISK SHOWERY SW AIRSTREAM WHILE A LOW (977MB) PERSISTED TO THE WEST OF IRELAND.

ON THE 27TH A WAVE LOW (1004MB) CELTIC SEA MOVED NORTHWARDS AS THE COLD FRONT EDGED IN WHICH CLEARED IN THE EVENING.

ON THE 28TH ANOTHER WAVING COLD FRONT AND OCCLUSION CLEARED EARLY, BEING FOLLOWED BY A BRISK SW/W AIRSTREAM.

ON THE 29TH TWO WARM FRONTS MOVED NORTHWARDS AS A LOW (993MB) PERSISTED AT 47.5N/20W.

THE 30TH SAW AN EARLY OCCLUSION CLEARING, BEING FOLLOWED BY A BRISK, SHOWERY SW AIRSTREAM.

THIS CONTINUED ON THE 31ST, THEN STORM 'CLAUDIO' ARRIVED (LOW 994MB JUST WEST OF THE ISLES OF SCILLY AT 1800 GMT), THIS THEN MOVED QUICKLY UP ACROSS ENGLAND OVERNIGHT.

THE MAIN ATLANTIC JET STREAM WAS OFTEN OVER, OR JUST TO THE WEST OF THE UK, WITH THIS MOVING MORE TO THE SOUTHWEST AND STRENGTHENING AS THE MONTH PROGRESSED.

OCTOBER WAS A LOT WARMER AND DRIER THAN NORMAL.

IT WAS THE DRIEST OCTOBER HERE SINCE 2018.

THE MEAN MAX TEMP AND THE MEAN TEMPERATURE WERE NEW RECORD HIGHS FOR ANY OCTOBER RECORDED HERE SO FAR, AS ALSO WAS THE LOWEST MAX TEMPERATURE.

FOR THE FIRST TIME EVER RECORDED HERE, ALL OF THE MAXIMUM TEMPERATURES WERE ABOVE AVERAGE. FAIRLY SMALL AMOUNTS OF RAINFALL WERE RECORDED ON MOST OF THE DAYS AND FOR THE MOST PART, IT WAS A CHANGEABLE MONTH.

THE PREDOMINANT WIND DIRECTIONS WERE EQUALLY SPREAD BETWEEN EASTERLY AND SOUTHWESTERLY.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 36KT (41 MPH) DURING THE LATE EVENING OF THE 31ST. (STORM 'CLAUDIO')

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

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

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