

STITHIANS WEATHER SUMMARY

FEBRUARY 2022

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| HIGHEST MAXIMUM TEMPERATURE | 12.9C (16th) |
| HIGHEST MINIMUM TEMPERATURE | 11.0C (16th) |
| LOWEST MAXIMUM TEMPERATURE | 07.3C (24th) |
| LOWEST MINIMUM TEMPERATURE | -00.8C (11th) |
| MEAN MAXIMUM TEMPERATURE | 10.7C (10YR) 08.5C (34YR) 08.5C |
| MEAN MINIMUM TEMPERATURE | 06.2C (10YR) 03.3C (34YR) 03.4C |
| MEAN TEMPERATURE FOR MONTH | 08.4C (10YR) 05.9C (34YR) 05.9C |
| MAX DAILY TEMPERATURE RANGE | 10.3C (26th) |
| MEAN DAILY TEMPERATURE RANGE | 04.5C |
| TOTAL RAINFALL FOR THE MONTH | 148.7 MM |
| TOTAL RAINFALL (10 YRS RUNNING MEAN) | 146.3 MM |
| TOTAL RAINFALL (33 YRS LONG TERM AV) | 129.5 MM |
| MAXIMUM RAINFALL IN 24 HOURS | 25.2 MM (12TH) |
| RAIN DAYS (0.2MM OR MORE) | 25 |
| WET DAYS (1.0MM OR MORE) | 20 |
| DAYS WITH RAIN INCLUDED | 25 |
| DAYS WITH HAIL | 02 |
| DAYS WITH THUNDER | 00 |
| DAYS WITH SLEET OR SNOW | SLT 00 / SNW 01 |
| AIR FROSTS (-00.1C OR BELOW) | 01 |
| MAXIMUM ATMOSPHERIC PRESSURE | 1033.0 MB (11TH) |

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| MINIMUM ATMOSPHERIC PRESSURE | 991.0 MB (13th) |
| MEAN ATMOSPHERIC PRESSURE | 1017.5 MB (34YR MEAN) 1015.9 MB |
| MEAN SW SEA TEMP (FEBRUARY 1986-2021 AV) | 09.7C |
| 10YR RUNNING MEAN SW SEA TEMP (FEBRUARY 2012-2021) | 10.0C |
| MEAN SW SEA TEMP FEBRUARY 2022: | 10.7C |

NOTES

SYNOPTIC SITUATION: ON THE 1ST A WARM SECTOR COVERED SW ENGLAND AND SW IRELAND. A NW AIRSTREAM COVERED SCOTLAND AND NORTHERN IRELAND.

ON THE 2ND THERE WAS LITTLE CHANGE AS THE BROAD WARM SECTOR PERSISTED OVER THE UK AND IRELAND.

BY THE 3RD THE RIDGE HAD COLLAPSED AS A LOW (977MB) SE OVER ICELAND BROUGHT A MOIST SW AIRSTREAM TO THE UK AND IRELAND.

DURING THE EARLY HOURS OF THE 4TH, A COLD FRONT CLEARED SOUTHEASTWARDS, BEING FOLLOWED BY A COLDER WEST TO NORTHWESTERLY AIRSTREAM.

BY THE 5TH A Milder SOUTHWESTERLY HAD RETURNED.

ON THE 6TH A WAVING COLD FRONT EDGED DOWN ACROSS S AND SW ENGLAND BEFORE CLEARING LATE AFTERNOON.

ON THE 7TH A RIDGE (FROM A HIGH 1035MB AT 42N/19W) COVERED THE UK AS A WARM FRONT EDGED UP FROM THE SW.

ON THE 8TH A BROAD WARM SECTOR PREVAILED.

ON THE 9TH A COLD FRONT EDGED DOWN ACROSS S AND SW ENGLAND, FINALLY CLEARING EARLY ON THE 10TH AS A RIDGE ARRIVED.

ON THE 11TH A HIGH (1034MB) SW BRITTANY EXTENDED A RIDGE TO AND OVER THE UK, IRELAND AND FRANCE.

ON THE 12TH PRESSURE DECLINED AS AN OCCLUSION GRADUALLY SPREAD IN. ON THE 13TH AN ACTIVE LOW (990MB) AND FRONTAL SYSTEM MOVED UP FROM THE SW WHICH MOVED UP ACROSS N ENGLAND.

ON THE 14TH THE LOW (994MB) WAS IN THE CENTRAL NORTH SEA AS A SHOWERY WESTERLY AIRSTREAM AFFECTED ENGLAND.

ON THE 15TH A NEW FRONTAL SYSTEM CAME IN FROM THE SW. THE COLD FRONT THEN CLEARED AROUND MIDDAY BEFORE ANOTHER FRONTAL SYSTEM ARRIVED QUICKLY FROM THE WEST.

OVERNIGHT THE COLD FRONT LINGERED AS ANOTHER FRONTAL SYSTEM ARRIVED ON THE 16TH (LOW 977MB STORM 'DUDLEY') WITH THE COLD FRONT FINALLY CLEARING DURING THE EVENING. BY 1800 GMT ON 16TH A NEW LOW (1024MB) HAD FORMED JUST NW OF THE AZORES.

ON THE 17TH A STRONG WESTERLY AIRSTREAM CONTINUED AS A NEW STORM (STORM 'EUNICE') WAS DEVELOPING AT 46N/26W (1012MB) AT 0600 GMT. BY 1200 GMT IT WAS 1002MB AT 48N/22W. BY 1800 GMT IT WAS 986MB AT 50N/19.5W. AND AT 0000 GMT IT WAS 975MB AT 51N/15W.

ON THE 18TH STORM 'EUNICE' WAS BLASTING THE UK AND AT 0600 GMT IT WAS 974MB OVER SW KERRY. BY 1200 GMT IT WAS 975MB OVER NE ENGLAND. BY 1800 GMT STORM 'EUNICE' WAS 967MB IN THE CENTRAL NORTH SEA WITH A SHOWER TROUGH FROM MID WALES TO WEST CORNWALL. A SHOWER TROUGH WAS ALSO (ORIENTATED N/S) OVER CENTRAL IRELAND.

THE 19TH SAW AN OCCLUSION CLEARING EASTWARDS DURING THE MORNING, BEING FOLLOWED BY A BRISK WESTERLY AIRSTREAM. ON THE 20TH A BROAD WARM SECTOR COVERED THE WHOLE OF THE UK AND IRELAND BEFORE THE COLD FRONT CLEARED DURING THE EVENING.

ON THE 21ST STORM 'FRANKLIN' (978MB AT 0600 G.M.T.) HAD MOVED INTO THE WESTERN CENTRAL NORTH SEA BRINGING GALE FORCE W/NW WINDS ACROSS THE UK AND IRELAND. DURING THE EVENING AND OVERNIGHT A RIDGE OF HIGH PRESSURE ARRIVED.

ON THE 22ND A COLD FRONT CLEARED AROUND MIDDAY, BEING FOLLOWED BY A BRISK WESTERLY AIRSTREAM. THERE WAS A LOW (954MB) WESTERN ICELAND.

A RIDGE OF HIGH PRESSURE ON THE 23RD DECLINED AS A MOIST SW AIRSTREAM MOVED IN.

OVERNIGHT A COLD FRONT CLEARED TO THE SE, SOON BEING FOLLOWED BY A SHOWER TROUGH, THEN A COLD W/NW AIRSTREAM ON THE 24TH.

THERE WAS A RIDGE OF HIGH PRESSURE ON THE 25TH AND 26TH AS A HIGH (1036MB) N FRANCE PERSISTED.

THE 27TH SAW THE HIGH (1040MB) RETREAT TO THE S BALTIC AS PRESSURE SLOWLY DECLINED AND A COLD FRONT EDGING IN FROM THE WEST DIED OUT.

ON THE 28TH AN OCCLUDING FRONTAL SYSTEM ARRIVED FROM THE WEST BEFORE THE COLD FRONT CLEARED DURING THE EVENING. THE RETURNING WARM FRONT THEN LINGERED IN THE SOUTHERN ENGLISH CHANNEL ON THE 28TH.

THE MAIN ATLANTIC JET STREAM WAS MAINLY TO THE WEST OF, OR OVER THE UK AND IT STRENGTHENED DURING THE MONTH.

FEBRUARY WAS A CHANGEABLE MONTH WITH ABOVE AVERAGE TEMPERATURES AND RAINFALL.

IT WAS THE WARMEST FEBRUARY ON RECORD HERE WITH ALL MEAN TEMPERATURES BEING NEW 'HIGHS' FOR THE MONTH.

THE 11TH SAW A NEW 'HIGHEST' FOR THE LOWEST MINIMUM TEMPERATURE FOR ANY FEBRUARY.

THE MEAN SW SEA TEMPERATURE WAS ALSO A NEW 'HIGHEST' FOR FEBRUARY.

HAIL WAS RECORDED ON THE 18TH AND 24TH AND ALSO ON THAT DAY A FEW SNOW FLURRIES OCCURRED.

THE HEAVIEST FALLS OF RAIN WERE 25.2MM ON 12TH AND 23.9MM ON THE 28TH.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 45KT (51MPH) AT AROUND 0846 GMT ON THE 18TH.

THE PREDOMINANT WIND DIRECTION WAS SOUTHWESTERLY, FOLLOWED BY WESTERLY.

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 PASSED TO THE WEATHERNET ORGANISATION IN BOURNEMOUTH