

STITHIANS WEATHER SUMMARY

JANUARY 2022

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| HIGHEST MAXIMUM TEMPERATURE | 13.6C (01st) |
| HIGHEST MINIMUM TEMPERATURE | 12.7C (01st) |
| LOWEST MAXIMUM TEMPERATURE | 06.2C (21st) |
| LOWEST MINIMUM TEMPERATURE | -04.4C (21st) |
| MEAN MAXIMUM TEMPERATURE | 09.5C (10YR) 08.6C (34YR) 08.2C |
| MEAN MINIMUM TEMPERATURE | 04.1C (10YR) 04.1C (34YR) 03.7C |
| MEAN TEMPERATURE FOR MONTH | 06.8C (10YR) 06.3C (34YR) 05.9C |
| MAX DAILY TEMPERATURE RANGE | 10.9C (28th) |
| MEAN DAILY TEMPERATURE RANGE | 05.4C |
| TOTAL RAINFALL FOR THE MONTH | 101.8 MM |
| TOTAL RAINFALL (10 YRS RUNNING MEAN) | 183.0 MM |
| TOTAL RAINFALL (33 YRS LONG TERM AV) | 161.2 MM |
| MAXIMUM RAINFALL IN 24 HOURS | 29.0 MM (08th) |
| RAIN DAYS (0.2MM OR MORE) | 19 |
| WET DAYS (1.0MM OR MORE) | 17 |
| DAYS WITH RAIN INCLUDED | 13 |
| DAYS WITH HAIL | 03 |
| DAYS WITH THUNDER | 00 |
| DAYS WITH SLEET OR SNOW | SLT 00 / SNW 00 |
| AIR FROSTS (-00.1C OR BELOW) | 00 |
| MAXIMUM ATMOSPHERIC PRESSURE | 1041.0 MB (12 th & 21st) |

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| MINIMUM ATMOSPHERIC PRESSURE | 999.0 MB (08th) |
| MEAN ATMOSPHERIC PRESSURE | 1026.3 MB (34YR MEAN) 1016.1 MB |
| MEAN SW SEA TEMP (JANUARY 1986-2021 AV) | 10.3C |
| 10YR RUNNING MEAN SW SEA TEMP (JANUARY 2012-2021) | 10.9C |
| MEAN SW SEA TEMP JANUARY 2022: | 11.2C |

NOTES

SYNOPTIC SITUATION: ON THE 1ST A VERY MILD SW AIRSTREAM COVERED ENGLAND AND SCOTLAND AND A LOW (958MB) PERSISTED AT 55N/18W.

THERE WAS LITTLE CHANGE ON THE 2ND ALTHOUGH AN OCCLUSION PASSED IN THE MORNING.

ON THE 3RD THE MOIST AND MILD SW AIRSTREAM PERSISTED.

ON THE 4TH AFTER AN EARLY OCCLUSION PASSED THROUGH A COLDER WNW AIRSTREAM ARRIVED.

THE 5TH SAW A RIDGE OF HIGH PRESSURE.

ON THE 6TH AN ACTIVE FRONTAL SYSTEM MOVED THROUGH, BEING FOLLOWED BY A SHOWERY WESTERLY AIRSTREAM.

ON THE 7TH A WARM FRONT ARRIVED TO BE FOLLOWED BY A WARM SECTOR.

ON THE 8TH A WAVING COLD FRONT WENT THROUGH, TO BE FOLLOWED BY A SHOWERY WESTERLY AIRSTREAM FOR THE 9TH.

THE 10TH SAW A BROAD WARM SECTOR AND A WEAK COLD FRONT EDGING AWAY AS PRESSURE ROSE WHICH CONTINUED ON THE 11TH.

THE 12TH SAW A NEW HIGH (1041MB) OVER SOUTHERN KERRY WHICH BECAME DOMINANT ON THE 3TH (AS THE HIGH 1047MB PERSISTED OVER N. ITALY) AND THE 14TH.

ON THE 15TH PRESSURE DECLINED AS A SHOWER TROUGH EDGED UP FROM THE SW CLEARING OVERNIGHT LEAVING A RIDGE FOR THE 16TH.

ON THE 17TH A NEW HIGH (1038MB) FORMED IN THE CELTIC SEA WHICH MOVED TO NE FRANCE (1040MB) BY THE 18TH.

ON THE 9TH A WEAK COLD FRONT MOVED GRADUALLY SOUTHWARDS AS A NEW HIGH (1040MB) FORMED AT 52.5N/20W WHICH BECAME THE DOMINANT FEATURE THE 20TH AND 21ST AS IT TRANSFERRED TO SW KERRY. THIS SITUATION PERSISTED ON THE 22ND AND 23RD AS THE HIGH (1036MB) MOVED TO THE ISLE OF WIGHT.

BY THE 24TH THE HIGH (1038MB) HAD MOVED TO EAST GERMANY WHILE MAINTAINING A RIDGE TO AND OVER THE UK AND IRELAND.

ON THE 25TH THE HIGH (1038MB) HAD MOVED TO N ITALY WHILE MAINTAINING A RIDGE TO AND OVER THE UK, IRELAND AND SPAIN.

THE 26TH THE HIGH (1036MB) WAS OVER W FRANCE WITH A RIDGE STILL OVER ENGLAND AND IRELAND.

THE 27TH SAW A WEAK COLD FRONT MOVE SOUTHWARDS AND CLEAR, LEAVING A RIDGE FOR THE 28TH AND A HIGH (1039MB) NW BISCAY.

ON THE 29TH WITH A HIGH (1039MB) NW BISCAY A MOIST SW AIRSTREAM COVERED ALL AREAS. ALSO ON THE 29TH A LOW (988MB) STORM 'MALIK' NW OF THE WESTERN ISLES AT 0600 GMT DEEPENED RAPIDLY SWEEPED ENE TO BECOME 966MB OVER SE SWEDEN BY 1800 GMT ON THE 30TH. A SW AIRSTREAM COVERED THE UK TOGETHER WITH A WEAKENING RIDGE (FROM A HIGH 1036MB W. OF BRITTANY). BY 1800 GMT ON THE 30TH A LOW (994MB) STORM 'CORRIE' WAS OVER NW SCOTLAND.

ON THE 31ST A BRISK W/NW AIRSTREAM ARRIVED.

THE MAIN ATLANTIC JET STREAM STRENGTHENED DURING THE MONTH, BUT IT WAS OFTEN TO THE WEST OR NORTHWEST OF THE UK

JANUARY WAS DRIER AND WARMER THAN NORMAL WITH LIMITED AMOUNTS OF SUNSHINE ON OFFER. THE SECOND HALF OF THE MONTH

SAW PERSISTENT HIGH PRESSURE AND THERE WAS A SHORT DRY SPELL FROM THE 20TH-25TH INCLUSIVE.

HAIL WAS RECORDED THE 4TH, 7TH AND 8TH.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 31KT (35 MPH) DURING THE EVENING OF THE 8TH AND THE MAIN WIND DIRECTION FOR THE MONTH WAS WESTERLY FOLLOWED BY CALM.

IT WAS THE DRIEST JANUARY SINCE 2017 (ALSO WITH THE SAME NUMBER OF DAYS WITH RAIN). THE MEAN MAX TEMPERATURE WAS THE HIGHEST IN JANUARY SINCE 2008 AND THE MEAN TEMPERATURE WAS THE HIGHEST IN ANY JANUARY SINCE 2018.

THE HIGHEST MAX TEMPERATURE WAS THE HIGHEST IN JANUARY SINCE 1998 AND THE HIGHEST MIN. TEMPERATURE SAW A NEW RECORD 'HIGH' SET FOR ANY JANUARY ON RECORD SO FAR. IT WAS THE HIGHEST MEAN PRESSURE IN ANY JANUARY SINCE 2000 AND THE MEAN SW SEA TEMPERATURE WAS THE HIGHEST SINCE JANUARY 2015.

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