

STITHIANS WEATHER SUMMARY

SEPTEMBER 2020

HIGHEST MAXIMUM TEMPERATURE	22.3C (08th)
HIGHEST MINIMUM TEMPERATURE	15.6C (03rd)
LOWEST MAXIMUM TEMPERATURE	12.0C (24th)
LOWEST MINIMUM TEMPERATURE	03.9C (29th)
MEAN MAXIMUM TEMPERATURE	17.8C (10YR) 17.1C (32YR) 16.9C
MEAN MINIMUM TEMPERATURE	10.0C (10YR) 10.2C (32YR) 09.9C
MEAN TEMPERATURE FOR MONTH	13.9C (10YR) 13.6C (32YR) 13.4C
MAX DAILY TEMPERATURE RANGE	13.2C (10th)
MEAN DAILY TEMPERATURE RANGE	07.7C
TOTAL RAINFALL FOR THE MONTH	61.3MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	106.3MM
TOTAL RAINFALL (32 YRS LONG TERM AV)	93.2MM
MAXIMUM RAINFALL IN 24 HOURS	17.2MM (24th)
RAIN DAYS (0.2MM OR MORE)	13
WET DAYS (1.0MM OR MORE)	08
DAYS WITH RAIN INCLUDED	16
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	1027.0 MB (08th)
MINIMUM ATMOSPHERIC PRESSURE	991.0 MB (24th)
MEAN ATMOSPHERIC PRESSURE	1017.5 MB (32YR MEAN) 1016.9 MB
MEAN SW SEA TEMP (SEP 1986-2019 AV)	16.2C
10YR RUNNING MEAN SW SEA TEMP	(SEP 2010-2019) 16.1C
MEAN SW SEA TEMP SEPTEMBER 2020:	16.2C

NOTES

SYNOPTIC SITUATION: THE 1ST SAW A HIGH (1024MB) SCANDINAVIA PUSHING A RIDGE TO & OVER ENGLAND & S.W. ENGLAND. PRESSURE FELL ON 2ND AS A WARM FRONT ARRIVED FROM THE WEST LATER. ON 3RD A WARM SECTOR PERSISTED BEFORE A COLD FRONT CLEARED MID-AFTERNOON ALLOWING A RIDGE TO ARRIVE LATER. ON 4TH THE RIDGE PERSISTED BEFORE A WEAK COLD FRONT MOVED IN DURING THE EVENING. ON 5TH THE RIDGE INTENSIFIED AS A HIGH PERSISTED AT 36N/28W. THIS SITUATION CONTINUED ON 6TH AS A WEAK OCCLUSION CLEARED. ON 7TH THERE WAS A RIDGE OF HIGH PRESSURE (FROM A HIGH 1030MB N. OF AZORES). BY 8TH A NEW HIGH (1029MB) HAD FORMED W. OF BRITTANY & THIS DOMINTAED THE WEATHER ACROSS ENGLAND. MEANWHILE, SOUTHERN SCOTLAND WAS AFFECTED BY A WEAK WAVING COLD FRONT. ON 9TH THE WEAK S.E. SLOWLY MOVING COLD FRONT BROKE UP & CLEARED BY LATE AFTERNOON. A HIGH (1035MB) MID-ATLANTIC EXTENDED A RIDGE TO ENGLAND. THIS WEAKENED ON 10TH AS THE RIDGE PERSISTED OVER THE U.K. & THE NORTH SEA. BY 11TH THE RIDGE HAD WEAKENED AS A WEAK COLD FRONT CLEARED OVERNIGHT. THE RIDGE THEN STRENGTHENED ON 12TH AS A NEW HIGH (1024MB) FORMED WEST OF BRITTANY. THIS HIGH MOVED TO BELGIUM (1026MB) ON 13TH AS A RIDGE WAS MAINTAINED TO ENGLAND. THIS CONTINUED ON 14TH AS THE HIGH (1030MB) MOVED EASTWARDS TO GERMANY AND AN ISOBARIC TROUGH DEVELOPED IN S. BISCAY. BY 15TH THERE WAS A SLACK AREA OF LOW PRESSURE COVERING THE U.K. & A

SHOWER TROUGH WAS AFFECTING CORNWALL. ON 16TH A NEW HIGH (1031MB) HAD FORMED OVER THE SHETLANDS & THIS EXTENDED A RIDGE TO & OVER THE U.K. THIS SITUATION CONTINUED ON 17TH. BY 18TH THE HIGH (1031MB) HAD MOVED TO THE NORTH SEA BRINGING A BRISK NE/E AIRSTREAM TO S. & S.W. ENGLAND & THIS SITUATION CONTINUED ON 19TH AS THE EAST TO NORTHEASTERLY WINDS DECREASED TO MODERATE. MEANWHILE, A COMPLEX LOW (1011MB) PERSISTED OVER BISCAY & N.W. PORTUGAL. THE HIGH (1031MB) CENTRAL NORTH SEA DECLINED DURING 20TH. OVERNIGHT, A COLD FRONT CLEARED SOUTHEASTWARDS BEING FOLLOWED BY A WESTERLY AIRSTREAM ON 23RD. ON 24TH A LOW (987MB) WATERFORD PUSHED A SHOWER TROUGH & AN OCCLUSION ACROSS THE REGION. OVERNIGHT THIS LOW (985MB) MOVED INTO THE S.E. NORTH SEA AS A SHOWERY WEST TO NORTHWESTERLY AIRSTREAM AFFECTED THE U.K. ON 25TH. BY 26TH A WEAK RIDGE & A COOL NORTHERLY AIRSTREAM PREVAILED & ON 27TH THERE WAS A RIDGE OF HIGH PRESSURE WHICH STRETCHED FROM A HIGH 1027MB OVER THE AZORES. ON 28TH A WEAK COLD FRONT EDGED IN FROM THE WEST & THIS CLEARED DURING THE EVENING. A WEAK RIDGE FOLLOWED FOR 29TH BEFORE A FRONTAL SYSTEM ARRIVED OVERNIGHT. THE 30TH SAW THE COLD FRONT CLEARING MID-AFTERNOON AS A SHOWERY WESTERLY AIRSTREAM SPREAD IN. THE MAIN ATLANTIC JET STREAM STRENGTHENED AND BECAME MORE ORGANISED DURING SEPTEMBER. IT WAS TO THE N.W. OF THE U.K. ON 5TH, 7TH & 8TH, 13TH & 14TH & FROM 16TH-22ND. IT WAS TO THE WEST ON 1ST & 2ND, 6TH, 10TH, 15TH, 24TH & 27TH-30TH. AND IT WAS OVER THE U.K. ON 3RD & 4TH, 9TH, 11TH & 12TH, 23RD & 25TH-26TH. THE FIRST THREE WEEKS OF SEPTEMBER WERE PREDOMINANTLY DRY BEFORE IT TURNED WETTER TOWARDS THE END OF THE MONTH. IT WAS THE DRIEST SEPTEMBER HERE SINCE 2014, AS WELL AS THE LOWEST NUMBER OF DAYS WITH RAIN SINCE THAT YEAR. ALTHOUGH TEMPERATURES FELL AWAY DURING THE FINAL WEEK, ALL MEAN TEMPERATURES WERE ABOVE THE LONG TERM AVERAGE. THE 24TH (WITH A MAX. TEMP. OF ONLY 12.0C) SAW THE COLDEST SEPTEMBER DAY RECORDED HERE SINCE 1993. THE MAX. (ESTIMATED) WIND GUST FOR THE MONTH WAS 34KT (39 M.P.H.)

DURING THE EARLY HOURS OF 25TH & THE MAIN WIND DIRECTION WAS AGAIN WESTERLY.

PLEASE NOTE THAT WE NOW HAVE A NEW WEBSITE WHICH CAN BE FOUND AT: www.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.