

STITHIANS WEATHER SUMMARY

SEPTEMBER 2021

HIGHEST MAXIMUM TEMPERATURE	24.2C (07th)
HIGHEST MINIMUM TEMPERATURE	17.0C (09th)
LOWEST MAXIMUM TEMPERATURE	13.9C (29th)
LOWEST MINIMUM TEMPERATURE	05.2C (03rd)
MEAN MAXIMUM TEMPERATURE	18.7C (10YR) 17.2C (33YR) 16.9C
MEAN MINIMUM TEMPERATURE	11.1C (10YR) 10.2C (33YR) 09.9C
MEAN TEMPERATURE FOR MONTH	14.9C (10YR) 13.7C (33YR) 13.4C
MAX DAILY TEMPERATURE RANGE	13.4C (03rd)
MEAN DAILY TEMPERATURE RANGE	07.6C
TOTAL RAINFALL FOR THE MONTH	103.2 MM
TOTAL RAINFALL (10 YRS RUNNING MEAN)	97.8 MM
TOTAL RAINFALL (33 YRS LONG TERM AV)	92.2 MM
MAXIMUM RAINFALL IN 24 HOURS	29.2 MM (28th)
RAIN DAYS (0.2MM OR MORE)	16
WET DAYS (1.0MM OR MORE)	10
DAYS WITH RAIN INCLUDED	19
DAYS WITH HAIL	01
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	00
MAXIMUM ATMOSPHERIC PRESSURE	1032.0 MB (21st)

MINIMUM ATMOSPHERIC PRESSURE	1001.0 MB (27th)
MEAN ATMOSPHERIC PRESSURE	1018.7 MB (33YR MEAN) 1017.0 MB
MEAN SW SEA TEMP (SEPTEMBER 1986-2020 AV)	16.2C
10YR RUNNING MEAN SW SEA TEMP (SEPTEMBER 2011-2020)	16.1C
MEAN SW SEA TEMP SEPTEMBER 2021:	16.9C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A BLOCKING HIGH (1039MB) WAS TO THE NW OF SCOTLAND WHICH CONTINUED ON THE 2ND. BY THE 3RD THE HIGH (1026MB) HAD MOVED TO N SCOTLAND. BY THE 4TH THE HIGH (1026MB) HAD RETREATED TO SW NORWAY AS PRESSURE FELL. BY THE 5TH THERE WAS A HIGH (1028MB) S.E. SWEDEN WITH A WEAK RIDGE TO & OVER THE UK AND IRELAND AND THERE WAS A LOW (1005MB) AT 43N/15W AS A WEAK WARM FRONT APPROACHED SW IRELAND. ON THE 6TH THE HIGH (1029MB) HAD MOVED TO GERMANY AS A RIDGE WAS MAINTAINED OVER THE UK AND IRELAND. THIS SITUATION CONTINUED ON THE 7TH BUT, WITH THE HIGH (1031MB) MOVING TO THE BLACK SEA, SO PRESSURE FELL LATER. BY THE 8TH A LOW (1007MB) SW OF BISCAY PUSHED AN OCCLUSION UP ACROSS THE REGION. ON THE 9TH THE LOW (1004MB) WAS OVER WEST KERRY AS A SHOWERY, MOIST, WARM AIRSTREAM AFFECTED THE REGION AND THERE WAS AN OCCLUSION OVER N ENGLAND. BY THE 10TH THE LOW (1005MB) HAD MOVED TO NORTHERN IRELAND AND A WEAK COLD FRONT SAT OVER THE ISLES OF SCILLY WHICH MOVED SLOWLY NORTHEASTWARDS AND CLEARED. BY THE 11TH THE SLACK LOW (1006MB) WAS OVER SW NORWAY AND A WEAK RIDGE TRIED TO BUILD (FROM A HIGH 1021MB OVER W FRANCE). ON THE 12TH A WEAK WARM FRONT OVER THE ISLES OF SCILLY MOVED SLOWLY NORTHWARDS AS A RIDGE PERSISTED. PRESSURE FELL ON THE 13TH AS SHOWER TROUGHS AFFECTED THE REGION WHILE A WEAK HIGH

(1021MB) NE ENGLAND MOVED AWAY INTO EUROPE. ON THE 14TH A SLACK AREA OF LOW PRESSURE COVERED THE UK WHICH CONTINUED ON THE 15TH. ON THE 16TH THERE WAS A RIDGE OF HIGH PRESSURE (FROM A HIGH 1027MB AZORES) BEFORE A COLD FRONT MOVED EASTWARDS AND BECAME SLOW MOVING OVER WEST CORNWALL ON THE 17TH. THIS SITUATION CONTINUED ON THE 18TH BEFORE THE COLD FRONT CLEARED LATER IN THE DAY. ANOTHER COLD FRONT CLEARED EARLY ON THE 19TH LEAVING A SHOWERY WESTERLY AIRSTREAM IN IT'S WAKE. ON THE 20TH A RIDGE INTENSIFIED OVER THE UK. ON THE 21ST A HIGH (1033MB) AT 45N/19W CONTINUED TO PUSH A STRONG RIDGE OVER THE UK, IRELAND AND NW EUROPE. THIS SITUATION CONTINUED ON THE 22ND. THE 23RD SAW THE RIDGE WEAKENING WHILE A WEAK COLD FRONT EDGED DOWN FROM THE NORTHWEST, BEFORE THIS BROKE UP AND DIED OUT. ON THE 24TH A MOIST SW AIRSTREAM COVERED THE UK AS A WEAK WARM FRONT GRADUALLY MOVED SOUTHEAST DOWN ACROSS THE REGION DURING THE AFTERNOON. ON THE 25TH A WEAK COLD FRONT LINGERED ALONG THE SW AND S OF ENGLAND COASTS. THE 26TH SAW A MOIST SW AIRSTREAM BEFORE AN ACTIVE COLD FRONT CLEARED EASTWARDS OVERNIGHT. ON THE 27TH THERE WAS A SHOWERY SW/W AIRSTREAM. THE 28TH SAW AN ACTIVE FRONTAL SYSTEM ARRIVING FROM THE SOUTHWEST. WHICH IN THE EARLY EVENING AS A SHOWERY WESTERLY AIRSTREAM ARRIVED. ON THE 29TH THERE WAS A RIDGE OF HIGH PRESSURE AND ON THE 30TH A FRONTAL SYSTEM AFFECTED ALL AREAS.

THE MAIN ATLANTIC JET STREAM VARIED, BUT GENERALLY BECAME STRONGER AND MORE ORGANISED AS THE MONTH PROGRESSED. IT WAS TO THE NW OF THE UK ON THE 1ST, 7TH, 21ST AND 22ND AND THE 24TH-26TH. IT WAS TO THE WEST FROM THE 2ND-6TH, 8TH-15TH, 17TH AND 18TH, 20TH AND 27TH. IT WAS SITUATED OVER THE UK ON THE 16TH, 19TH, 23RD AND 28TH-30TH.

SEPTEMBER WAS ANOTHER VERY INTERESTING MONTH! FOR THE FIRST THREE WEEKS RAINFALL AMOUNTS WERE FAIRLY SMALL BUT, AFTER THIS IT BECAME INCREASINGLY WET TO BECOME THE WETTEST SEPTEMBER SINCE 2019.

TEMPERATURES WERE ALSO ABOVE NORMAL FOR THE MONTH. THE MEAN. MAX TEMP, MEAN MIN TEMP AND THE HIGHEST 'MINIMUM' TEMPERATURES

WERE ALL THE HIGHEST RECORDED HERE SINCE 2006.THE HIGHEST MAXIMUM TEMP WAS THE HIGHEST IN SEPTEMBER SINCE 2004.

THE MEAN SW SEA TEMP WAS THE HIGHEST IN ANY SEPTEMBER SINCE 2016.

HAIL OCCURRED AT 1244 GMT ON THE 27TH WHICH IS THE FIRST SEPTEMBER HAIL TO BE RECORDED HERE SINCE 1992.

IT WAS NOT A PARTICULARLY WINDY MONTH WITH THE MAXIMUM (ESTIMATED) WIND GUST OF 27KT (31 MPH) AT 2300 GMT ON THE 26TH. THE PREDOMINANT WIND DIRECTION WAS NORTHEASTERLY, 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.