

STITHIANS WEATHER SUMMARY

JUNE 2019

HIGHEST MAXIMUM TEMPERATURE	23.7C (26th)
HIGHEST MINIMUM TEMPERATURE	15.5C (27th)
LOWEST MAXIMUM TEMPERATURE	10.5C (11th)
LOWEST MINIMUM TEMPERATURE	02.4C (06th)
MEAN MAXIMUM TEMPERATURE	17.1C (10YR) 18.3C (31YR) 17.5C
MEAN MINIMUM TEMPERATURE	10.3C (10YR) 09.8C (31YR) 09.6C
MEAN TEMPERATURE FOR MONTH	13.7C (10YR) 14.0C (31YR) 13.5C
MAX. DAILY TEMPERATURE RANGE	14.9C (06th)
MEAN DAILY TEMPERATURE RANGE	06.8C
TOTAL RAINFALL	124.4MM (10YR) 72.6MM (31YR) 73.7MM
MAXIMUM RAINFALL IN 24 HOURS	34.9MM (07th)
RAIN DAYS (0.2MM OR MORE)	20
WET DAYS (1.0MM OR MORE)	16
DAYS WITH RAIN INCLUDED	22
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	1025.0 MB (26th)
MINIMUM ATMOSPHERIC PRESSURE	997.0 MB (07th)
MEAN ATMOSPHERIC PRESSURE	1013.9 MB (31YR MEAN) 1017.3 MB
MEAN SOUTHWEST SEA TEMPERATURE	14.5C (JUN 1986-2018 AVE) 13.7C
10YR RUNNING MEAN SW SEA TEMP	(JUN 2009-2018) 14.3C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A RIDGE OF HIGH PRESSURE COLLAPSED DURING THE DAY AS A HIGH (1022MB) HOLLAND ALSO DECLINED AND A COLD FRONT APPROACHED FROM THE WEST.

ON THE 2ND IT CLEARED AROUND MIDDAY, BEING FOLLOWED BY A SLIGHTLY SHOWERY SW AIRSTREAM AND CONTINUED ON THE 3RD. A LOW (1001MB) MOVED UP TO BE OVER CO KERRY AT 1200 GMT ON THE 4TH. IT'S ASSOCIATED COLD FRONT CLEARED EASTWARDS DURING THE AFTERNOON AS A SHOWERY W AIRSTREAM MOVED IN WHICH PERSISTED ON THE 5TH & 6TH.

LATE ON THE 6TH A WARM FRONT MOVED NORTHWARDS FROM N BISCAY AS A LOW (997MB) AT 1200 GMT AT SW BISCAY DEEPENED AND MOVED NE TO BE 990MB (EX-STORM 'MIGUEL') AT MID-BISCAY BY 0600 GMT THE ON 7TH WHILE PUSHING IT'S ACTIVE WARM FRONT AND FRONTAL SYSTEM NORTHWARDS.

THIS LOW MOVED AWAY NORTHEASTWARDS OVERNIGHT LEAVING A SHOWERY W AIRSTREAM IN IT'S WAKE ON THE 8TH. THIS REGIME PERSISTED ON THE 9TH & 10TH. ON THE 11TH A LOW (1008MB) N NORMANDY PUSHED AN OCCLUSION ACROSS THE REGION FROM THE NE.

THE 12TH SAW A LOW (1008MB) S NORMANDY AND A SLACK AREA OF LOW PRESSURE ACROSS THE REGION. ON THE 13TH AN OCCLUSION MOVED SE & CLEARED DURING THE AFTERNOON. ANOTHER OCCLUSION CLEARED ON THE 14TH BEFORE YET ANOTHER OCCLUSION MOVED AWAY OVERNIGHT.

ON THE 15TH THERE WAS A SLIGHTLY SHOWERY SW AIRSTREAM. BY THE 16TH A MOIST SW AIRSTREAM WAS COVERING THE REGION WHICH CONTINUED ON THE 17TH AS A WEAK COLD FRONT LINGERED TO THE NW OF CORNWALL.

ON THE 18TH A SHOWERY & SLACK LOW PRESSURE AREA PERSISTED BEFORE A WEAK HIGH PRESSURE RIDGE ARRIVED ON THE 19TH. DURING THE 20TH A WEAK OCCLUSION MOVED SOUTHWARDS AND DIED OUT AS A RIDGE OF HIGH PRESSURE ARRIVED. A HIGH (1023MB) W. BRITTANY PUSHED A RIDGE UP ACROSS THE UK ON THE 21ST WHICH PERSISTED ON THE 22ND.

BY THE 23RD A LOW (999MB) AT 47.5N/16W PUSHED A NUMBER OF FRONTS INTO CORNWALL & DEVON. A SLACK 'COL' AREA COVERED THE REGION ON THE 24TH, BEFORE A WEAK RIDGE ARRIVED & PERSISTED ON 25TH.

A WEAK WARM FRONT CLEARED BY MIDDAY ON THE 26TH HERALDING A WARMER, MORE CONTINENTAL AIRMASS. THIS PERSISTED ON THE 27TH AS THE EASTERLY GRADIENT INCREASED. ON THE 28TH A HIGH (1029MB) OFF NORTHEAST ENGLAND

PUSHED A RIDGE ACROSS THE REGION AS A WEAK COLD FRONT BECAME SLOW MOVING SW OF THE ISLES OF SCILLY. MEANWHILE, THE STRONG EASTERLY GRADIENT GRADUALLY EASED DURING THE DAY. THIS WAS THE DAY WHEN AN ALL-TIME MAXIMUM TEMPERATURE OF 46.1C (115F) (SOME REPORTS SUGGEST 45.9C OR 114F!) WAS RECORDED IN FRANCE. THIS WAS PART OF A WEEK-LONG HEATWAVE AFFECTING NORTHWEST EUROPE WHICH SAW STEADILY INCREASING DAYTIME TEMPERATURES, AS WELL AS FOREST FIRES IN PARTS OF SPAIN AND FRANCE.

BY THE 29TH A WEAK COLD FRONT MOVED AWAY EASTWARDS AND BROKE. ON THE 30TH THERE WAS A RIDGE OF HIGH PRESSURE.

THE MAIN ATLANTIC JETSTREAM BECAME WEAKER DURING THE MONTH AND FRAGMENTED FROM THE 16TH-19TH INCLUSIVE. IT WAS TO THE WEST ON THE 29TH WAS OVER THE UK FROM THE 1ST-5TH, 16TH-18TH, 24TH-25TH & 30TH. IT WAS TO THE S.W. ON THE 6TH, 9TH, 10TH, 21ST-22ND & 26TH-28TH INCLUSIVE AND IT WAS TO THE SOUTH ON THE 7TH, 8TH, 11TH-15TH & 19TH, 20TH & 23RD.

JUNE WAS GENERALLY A RATHER UNSETTLED MONTH BUT WITH A DRY SPELL DURING THE FINAL WEEK. IN A MONTH DOMINATED BY FAIRLY LOW PRESSURE, RAINFALL WAS ABOVE AVERAGE, WITH MUCH OF THE RAIN FALLING ON TWO DAYS, NAMELY THE 3RD (28.0MM) & 7TH (34.9MM). THE FIRST THREE WEEKS SAW LIGHTER AMOUNTS WITH RAIN RECORDED ON ALMOST OF THE DAYS.

IT WAS THE WETTEST JUNE HERE SINCE 2012. TEMPERATURES WERE A LITTLE STRANGE WITH THE MEAN MAX BEING A LITTLE BELOW AVERAGE (LONG TERM), THE MEAN MIN SLIGHTLY ABOVE THE LONG TERM AVERAGE AND THE MEAN TEMP 0.2C ABOVE THE LONG TERM NORMAL VALUE.

THE MAXIMUM (ESTIMATED) WIND GUST WAS 30KT (34MPH) DURING THE MID-AFTERNOON OF 7TH & THE MAIN WIND DIRECTION FOR THE MONTH WAS SOUTHWESTERLY.

ALL READINGS DONE BY PAUL RICHARDS AT 40 CRELOW FIELDS, STITHIANS. OBSERVATIONS ARE DONE AT 0900GMT & 2100GMT DAILY THROUGHOUT THE YEAR. WE ARE A MET.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 & WEEKLY DATA TO THE WEATHERNET ORGANISATION IN BOURNEMOUTH