

STITHIANS WEATHER SUMMARY

MAY 2019

HIGHEST MAXIMUM TEMPERATURE	21.1C (30th)
HIGHEST MINIMUM TEMPERATURE	12.8C (31st)
LOWEST MAXIMUM TEMPERATURE	11.2C (04th)
LOWEST MINIMUM TEMPERATURE	-02.5C (05th)
MEAN MAXIMUM TEMPERATURE	15.2C (10YR) 15.2C (31YR) 14.9C
MEAN MINIMUM TEMPERATURE	06.6C (10YR) 07.2C (31YR) 07.2C
MEAN TEMPERATURE FOR MONTH	10.9C (10YR) 11.2C (31YR) 11.0C
MAX. DAILY TEMPERATURE RANGE	16.7C (22nd)
MEAN DAILY TEMPERATURE RANGE	08.6C
TOTAL RAINFALL	20.1MM (10YR) 66.7MM (31YR) 70.9MM
MAXIMUM RAINFALL IN 24 HOURS	11.0MM (07th)
RAIN DAYS (0.2MM OR MORE)	10
WET DAYS (1.0MM OR MORE)	05
DAYS WITH RAIN INCLUDED	16
DAYS WITH HAIL	01
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT 00 / SNW 00
AIR FROSTS (-00.1C OR BELOW)	03
MAXIMUM ATMOSPHERIC PRESSURE	1037.0 MB (13th)
MINIMUM ATMOSPHERIC PRESSURE	989.0 MB (08th)
MEAN ATMOSPHERIC PRESSURE	1017.8 MB (31YR MEAN) 1016.4 MB
MEAN SOUTHWEST SEA TEMPERATURE	12.0C (MAY 1986-2018 AVE) 11.5C
10YR RUNNING MEAN SW SEA TEMP	(MAY 2009-2018) 11.8C

NOTES

SYNOPTIC SITUATION: ON THE 1ST A COLD FRONT CLEARED EASTWARDS BY MIDDAY BEING FOLLOWED BY A WEAK RIDGE. ON THE 2ND THE RIDGE WEAKENED AS AN OCCLUSION ARRIVED DURING THE EVENING. THIS CLEARED OVERNIGHT TO LEAVE A WEAK RIDGE ON THE 3RD BEFORE A WEAK COLD FRONT CLEARED THROUGH DURING THE EARLY HOURS OF THE 4TH.

A RIDGE (FROM A HIGH 1033MB AT 60N/14W) SLOWLY INTENSIFIED AND CONTINUED ON THE 5TH AS A NEW HIGH (1029MB) FORMED SOUTH OF W CORNWALL. ON THE 6TH, THE HIGH (1024MB), NOW OVER WEST NORMANDY, DECLINED. PRESSURE FELL STEADILY DURING THE 7TH AND A FRONTAL SYSTEM ARRIVED DURING THE EVENING. THIS CLEARED OVERNIGHT, LEAVING A SHOWERY SW AIRSTREAM ON THE 8TH WHICH VEERED WEST TO NORTHWESTERLY ON THE 9TH AS PRESSURE ROSE SLOWLY.

BY THE 10TH THERE WAS A SLACK AREA OF LOW PRESSURE AS A SHOWERY OCCLUSION MOVED IN FROM THE WEST CLEARED OVERNIGHT TO LEAVE A RIDGE OF HIGH PRESSURE ON THE 11TH.

BY THE 12TH A HIGH (1038MB) NORTH OF NORFOLK BECAME THE DOMINANT FEATURE WHICH CONTINUED ON THE 13TH, 14TH, 15TH & 16TH AS THE HIGH MOVED AWAY NORTHWARDS AND PRESSURE SLOWLY DECLINED.

ON THE 17TH A WEAK WARM FRONT AND AN OCCLUSION ARRIVED FROM THE NORTHEAST AS LOW PRESSURE BECAME ESTABLISHED. ON THE 18TH, A SLACK AREA OF LOW PRESSURE PERSISTED WHICH CONTINUED ON THE 19TH AS A WEAK OCCLUSION CLEARED AWAY TO THE SOUTHWEST DURING THE MORNING.

ON THE 20TH A WEAK RIDGE MOVED IN AND INTENSIFIED AS A HIGH 1022MB FORMED WEST OF THE ISLES OF SCILLY ON THE 21ST WHICH SITUATION CONTINUED ON THE 22ND BEFORE PRESSURE SLOWLY BEGAN TO FALL ON THE 23RD.

ON THE 24TH A SLIGHT RIDGE PERSISTED, WHILST TO THE WEST OF THE ISLES OF SCILLY THERE WAS AN OCCLUSION. ON THE 25TH A WEAK WARM FRONT EDGED IN LATE IN THE DAY AS AN EMBEDDED RIDGE PERSISTED. PRESSURE FELL LATE ON THE 25TH ALLOWING A WEAK COLD FRONT TO EDGE IN ON THE 26TH WHICH CLEARED BY LATE AFTERNOON.

BY THE 27TH A SHOWERY WESTERLY AIRSTREAM HAD ARRIVED WHICH PERSISTED DURING THE FIRST HALF OF THE DAY BEFORE A RISE IN PRESSURE LATER AND INTO THE 28TH.

EARLY ON THE 29TH A WARM FRONT ARRIVED, LATER INTRODUCING A BROAD WARM SECTOR WHICH SITUATION PERSISTED ON THE 30TH & 31ST, WHILE A RIDGE OF HIGH PRESSURE ALSO STAYED IN PLACE.

THE MAIN ATLANTIC JETSTREAM WAS TO THE NORTH OF THE BRITISH ISLES ON THE 12TH, TO THE NW ON THE 13TH & 14TH. IT WAS TO THE WEST ON THE 1ST, 11TH, 15TH, 16TH & 21ST. IT WAS OVER THE UK ON THE 3RD, 4TH, 6TH & 25TH-31ST INCLUSIVE. IT WAS TO THE SW ON THE 2ND, 5TH, 17TH-20TH & 22ND-24TH AND IT WAS TO THE SOUTH FROM THE 7TH TO THE 10TH INCLUSIVE.

MAY WAS VERY NOTABLE FOR IT'S LACK OF RAINFALL. IT TURNED OUT TO BE THE DRIEST MAY HERE SINCE 1992 AND WAS ALSO VERY SLIGHTLY COOLER THAN NORMAL. MANY OF THE DAYS WERE DRY AND (APART FROM THE 7TH) THE REMAINING RAINFALL WAS LIGHT IN NATURE.

THE MEAN TEMPERATURE WAS EQUAL TO MAY 2015 AND THE LOWEST MIN. TEMP. WAS A NEW 'LOWEST' FOR ANY MAY EVER RECORDED HERE.

HAIL WAS RECORDED ON THE 10TH AT 1318 GMT.

THE MAIN WIND DIRECTION FOR THE MONTH WAS WESTERLY, FOLLOWED BY EASTERLY AND THE MAXIMUM (ESTIMATED) WIND GUST WAS 33KT (38 MPH) DURING THE MID-EVENING PERIOD OF 14TH. IT WAS THE WETTEST SPRING SINCE 2017 DESPITE THE DRY MAY WHILE THE MEAN TEMPERATURES WERE CLOSE TO NORMAL.

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.