

# STITHIANS WEATHER SUMMARY

## DECEMBER 2016

HIGHEST MAXIMUM TEMPERATURE	14.0C (07th)
HIGHEST MINIMUM TEMPERATURE	12.1C (08th)
LOWEST MAXIMUM TEMPERATURE	07.5C (18th)
LOWEST MINIMUM TEMPERATURE	-02.5C (29th)
MEAN MAXIMUM TEMPERATURE	10.2C (10YR) 08.7C (28YR) 08.6C
MEAN MINIMUM TEMPERATURE	05.3C (10YR) 04.4C (28YR) 04.2C
MEAN TEMPERATURE FOR MONTH	07.7C (10YR) 06.5C (28YR) 06.4C
MAX. DAILY TEMPERATURE RANGE	11.2C (30th)
MEAN DAILY TEMPERATURE RANGE	04.9C
TOTAL RAINFALL	85.1MM (10YR) 173.4MM (28YR) 167.6MM
MAXIMUM RAINFALL IN 24 HOURS	17.2MM (10th)
RAIN DAYS (0.2MM OR MORE)	20
WET DAYS (1.0MM OR MORE)	17
DAYS WITH RAIN INCLUDED	21
DAYS WITH HAIL	00
DAYS WITH THUNDER	00
DAYS WITH SLEET OR SNOW	SLT: 00 / SNW: 00
AIR FROSTS (-00.1C OR BELOW)	06
MAXIMUM ATMOSPHERIC PRESSURE	1041.0 MB (27th)
MINIMUM ATMOSPHERIC PRESSURE	1011.0 MB (15th)
MEAN ATMOSPHERIC PRESSURE	1025.0 MB (28YR MEAN): 1015.9 MB
MEAN SOUTHWEST SEA TEMPERATURE	
12.0C (DEC 1986-2015 AV)	11.4C

10YR RUNNING MEAN SW SEA

TEMPERATURE (DEC 2006-2015)

11.7C

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## NOTES

THE ATLANTIC JET STREAM WAS SITUATED OVER THE BRITISH ISLES ON THE 8<sup>TH</sup>, 10<sup>TH</sup>, 17<sup>TH</sup> AND FROM 21<sup>ST</sup> TO 26<sup>TH</sup>. OTHERWISE, IT WAS MOSTLY TO THE WEST, NORTHWEST OR NORTH.

SYNOPTICALLY, THE MONTH WAS DOMINATED BY HIGH PRESSURE, WHICH WAS POSITIONED OVER NEARBY EUROPE. ATLANTIC FRONTAL SYSTEMS WERE LARGELY KEPT AT BAY, BUT OCCASIONALLY THESE FRINGED INTO NORTHERN AND WESTERN AREAS OF THE BRITISH ISLES, BRINGING PATCHY RAIN INTO THE SOUTH AND HEAVIER OUTBREAKS OF RAIN TO THE NORTH.

DECEMBER TURNED OUT TO BE DRIER AND WARMER THAN AVERAGE, SO MUCH SO IN FACT THAT IT WAS THE DRIEST DECEMBER HERE SINCE 2010. THE MEAN MAX. TEMP WAS EQUAL HIGHEST WITH DECEMBER 1988 AND ALTHOUGH IT WAS WARMER THAN NORMAL, THE MEAN TEMPERATURE WAS 3C LOWER THAN IN DECEMBER 2015! THE HIGHEST MAX. TEMPERATURE WAS A NEW RECORD FOR ANY DECEMBER HERE.

THE MEAN ATMOSPHERIC PRESSURE IS THE HIGHEST FOR THE MONTH SINCE 1991. THE MAX/MIN PRESSURE RANGE IS ALSO A NEW 'LOWEST' FOR THE MONTH. THE 'MINIMUM' PRESSURE IS ALSO A NEW 'HIGHEST' VALUE FOR DECEMBER.

A WAVING WARM FRONT PRODUCED THE MONTH'S HEAVIEST 24HR RAINFALL AMOUNT OF 17.2MM DURING THE MORNING AND AFTERNOON OF THE 10<sup>TH</sup>.

THERE WAS A SCATTERING OF OVERNIGHT AIR FROSTS, NAMELY ON 1<sup>ST</sup>, 18<sup>TH</sup>, 27<sup>TH</sup>, 29<sup>TH</sup>, 30<sup>TH</sup> & 31<sup>ST</sup>.

THE MAXIMUM (ESTIMATED) WIND GUST FOR THE MONTH WAS 33KT (38MPH) DURING THE MID-AFTERNOON OF THE 23<sup>RD</sup>. THE PREDOMINANT WIND DIRECTION AT THE MORNING OBSERVATION WAS CALM, CLOSELY FOLLOWED BY EASTERLY.

2016 AS A WHOLE WAS THE WETTEST YEAR SINCE 2012 AND THE MEAN MAXIMUM AND THE MEAN TEMPERATURES WERE EXACTLY THE SAME AS 2015.

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ALL READINGS DONE BY PAUL RICHARDS AT 40 CRELOW FIELDS, STITHIANS.  
WE ARE A MET. OFFICE REGISTERED RAINFALL STATION (379547) THROUGH THE  
ENVIRONMENT AGENCY IN BODMIN. THE STATION HEIGHT IS AT 120M (396FT)  
ABOVE MSL. WE ALSO SUPPLY MONTHLY DATA TO THE WEATHER OBSERVER'S  
NETWORK IN ESSEX AND WEEKLY DATA TO THE WEATHERNET ORGANISATION IN  
BOURNEMOUTH.

