

St John's Vicarage, Spittal, Berwick-upon-Tweed

Monthly Return of Weather Observations for Spittal Weather Station

Month: JULY

Year: 2009

MEAN MAXIMUM TEMPERATURE 19.6°C

This is **1.9°C higher** than the long-term average

Highest Maximum 24.5 on 4th

Lowest Maximum 15.0 on 17th

MEAN MINIMUM TEMPERATURE 12.6°C

This is **1.3°C higher** than the long-term average

Highest Minimum 16.1 on 2nd

Lowest Minimum 8.8 on 31st

Number of days with airfrost : 0

TOTAL RAINFALL 181.9 mm (7.16")

This is approximately **371%** of the long-term average for this month

Wettest day **78.2 mm** on 17th

Number of days rainfall 0.2mm or greater 21

Number of days rainfall 1.0mm or greater 14

Number of days rainfall 5.0mm or greater 9

Number of days snow or sleet falling 0

Number of days snow lying at 0900 0

Number of days hail falling 0

Number of days fog at 0900 1

Number of days thunder heard 6

Average Atmospheric Pressure at 09.00 1008.8mb

Average Cloud Cover (%) at 09.00 63.3%

Average wind speed (based on Beaufort estimates) 5.6 mph

(Long-term averages derived using records for the former Berwick weather station with cross-reference to Dunbar weather station)

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NOTES

- The sequence of relatively dry months came to a spectacular end in July, with 181.9 mm of precipitation falling over the month, which is 3.7 times the long-term average. Much of this fell on two very wet days – the 5th (25.5mm) and the 17th (78.2mm). The latter was truly remarkable and resulted, not surprisingly, in local flooding. In the foothills of the Cheviot 24hr falls in excess of 125 mm were recorded. Much of the month's rain, however, fell in short sharp showers which were remarkably heavy at times and were often accompanied by thunder and lightning.
- In between the showers were long sunny spells and air temperatures topped 20 degC on 14 days. By the end of the month the maximum and minimum temperatures were well above the long-term average. The exception was a short spell of cooler weather between the 7th and 11h when the wind came from a cooler N/NE direction.
- Winds were generally light to gentle except on the 17th when there were some gusts approaching gale force.

SPITTAL WEATHER STATION

Summary of Daily Observations
Rev Dr S J Harrison

MONTH JULY
YEAR 2009

Day	Maximum m °C	Minimum m °C	Rainfall 24hr mm	Cloud Oktas	Pressure mb 0900	Wind Direction 0900	Wind Force 0900 (Beaufort)
01	23.2	14.5	1.7	3	1026	SE	1
02	21.7	16.1	0	1	1026	E	1
03	18.4	13.8	0.4	9	1015	E	1
04	24.5	13.0	0	5	1012	SE	1
05	20.2	13.7	25.5	6	1010	SE	1
06	18.8	12.6	11.0	5	1003	S	1
07	17.1	12.9	0	7	1002	N	3
08	17.0	12.5	0	7	1010	N	4
09	17.1	11.5	0	5	1014	N	4
10	17.1	12.2	0	5	1014	N	3
11	16.9	11.5	10.0	8	1014	NE	2
12	20.9	13.7	0.2	8	1000	S	2
13	21.7	12.7	7.3	5	1003	W	2
14	20.5	12.5	9.3	4	1004	SW	2
15	19.6	13.0	8.0	4	1005	S	1
16	21.3	12.6	7.7	3	1014	W	1
17	15.0	13.5	78.9	8	1011	NE	4
18	17.1	12.7	0.2	8	1005	NW	2
19	20.2	11.7	0.2	2	1003	W	2
20	21.0	11.5	0	3	1006	W	2
21	19.2	12.2	3.2	2	1007	SE	1
22	21.0	11.7	0.5	3	996	S	2
23	21.6	14.6	0.4	7	996	W	2
24	19.6	13.3	4.2	7	1000	SW	3
25	17.3	10.3	0	1	1015	W	2
26	19.7	11.6	2.4	8	1014	S	1
27	20.8	13.0	0.7	6	1005	SW	3
28	19.2	12.2	Trace	5	1008	SW	2
29	19.7	13.5	6.9	6	1008	S	1
30	19.2	11.2	0	5	1010	W	2
31	21.2	8.8	3.9	1	1016	W	1
Total	607.8	390.6	181.9	63.3%	===	==	mph
Mean	19.6	12.6	==	5.07	1008.8	==	5.6

Barometric pressure is from an aneroid barometer. The assistance of Paul Mooney (BBC), Perry Vassie (Berwick), Alan Johnston (Spittal) and Bill Reavley (Goswick) is acknowledged in compiling the record of observations between July 1st and 8th.