

19.99 JANUARY	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND		RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE				W.O.	W.	DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	991.0	15.3	6.2	5.3	18	13	6	7	03	1		5.2	5.2	0.7	0.7	5.9	7.8
2	977.1	13.9	6.5	4.9	18	24	7	6	03	1		4.8	10.0	0.2	0.9	6.1	7.8
3	994.1	13.1	3.7	2.9	20	09	2	6	01	1		2.9	12.9	2.8	3.7	5.8	7.7
4	988.1	14.8	7.5	4.3	23	30	7	6	02	1		12.9	25.8	0.1	3.8	5.8	7.8
5	999.0	15.8	3.6	3.3	00	00	8	5	61	2		0.5	26.3	0.0	3.8	5.5	7.7
6	1004.9	16.6	5.2	4.7	23	02	6	6	01	1		h	26.3	2.3	6.1	5.8	7.6
7	1003.5	16.5	4.3	4.0	18	02	8	5	02	1		2.8	29.1	0.1	6.2	5.6	7.6
8	1003.3	15.5	-0.5	-0.7	00	00	1	5	01	5		0.2	29.3	1.5	7.7	5.1	7.5
9	1019.0	13.9	0.2	-0.1	00	00	4	7	01	5		0.1	29.4	1.2	8.9	4.6	7.4
10	1024.5	12.8	-3.5	-3.2	00	00	3	6	03	5		h	29.4	0.0	8.9	4.0	7.5
11	1022.5	13.6	-3.8	-4.0	00	00	1	8	02	4		9.3	38.7	4.9	13.8	3.2	7.2
12	998.9	13.8	3.4	3.1	23	02	7	7	60		2	2.6	41.3	1.2	15.0	2.9	7.0
13	1001.1	14.7	3.9	3.6	18	19	8	5	51	2		1.9	43.2	1.1	16.1	3.0	6.8
14	1003.4	15.1	2.9	2.1	20	19	7	7	60	1		4.7	47.9	0.0	16.1	3.7	6.6
15	982.2	15.0	9.3	8.3	20	24	8	5	51	1		5.4	53.3	0.0	16.1	4.3	6.6
16	984.4	13.0	1.5	0.6	20	24	5	6	70		4	1.2	54.5	0.0	16.1	4.6	6.5
17	990.9	10.8	3.0	2.0	20	24	8	5	02		1	1.1	55.6	2.4	18.5	3.7	6.5
18	998.4	13.5	5.2	4.3	18	19	8	5	61	2		7.2	62.8	0.9	19.4	3.6	6.5
19	991.4	16.2	8.3	7.7	20	13	8	4	65	3		7.2	70.0	4.3	23.7	4.6	6.5
20	998.5	16.1	5.4	4.9	20	09	3	8	03	1		h	70.0	5.7	29.4	5.0	6.5
21	1019.2	16.0	2.6	2.1	20	02	1	7	01	1		0.0	70.0	6.1	35.5	4.7	6.5
22	1024.0	15.8	3.7	2.3	23	13	7	7	02	5		0.9	70.9	1.0	36.5	4.1	6.6
23	1003.7	13.7	6.8	5.9	18	30	8	5	21	1		0.5	71.4	1.3	37.8	4.3	6.6
24	1010.6	13.9	5.0	4.2	23	09	6	7	02	1		21.0	92.4	0.0	37.8	4.6	6.5
25	1003.1	16.6	3.4	3.0	20	13	8	6	02	1		1.5	93.9	4.6	42.4	4.8	6.5
26	1004.3	15.9	4.1	3.5	23	09	7	6	80	1		0.7	94.6	2.5	44.9	4.6	6.5
27	1013.1	16.0	2.5	2.0	23	09	7	7	02	1		10.3	104.9	0.0	44.9	4.2	6.5
28	1014.5	17.5	7.6	6.6	32	02	7	7	02	1		0.1	105.0	0.3	45.2	5.1	6.5
29	1027.4	18.1	9.6	9.2	23	02	8	5	50	1		0.9	105.9	0.0	45.2	5.8	6.5
30	1035.6	17.5	8.4	8.3	25	02	8	2	40	1		1.3	107.2	0.1	45.3	6.5	6.5
31	1038.4	17.0	8.4	8.0	20	02	8	6	02	1		0.1	107.3	0.0	45.3	7.0	6.7

TEMPERATURE

JANUARY 1999

MAX.

MIN.

GRASS.
MIN.

REMARKS:

9.2	5.1	1.8	dry at obs., breezy / brief sun 1300"-1340", pr. 1010" & 1150", r. r. 2030"-2130", rr 2130"-2200", r. r. 2200"-2350"
7.2	5.0	4.0	rr 0450"-0540", ir 0540"-0720", r. r. 0720"-0800" / windy & morn., 11: SW wind 24, cum / alto cum, breezy aftn. SSW wind, ir. 1430", RR 1815"-19", rr 19"-1920"
10.0	3.4	0.7	cool & morn. / bc alto cum early aftn., rr 1625"-1900", ir 1900"-2030", windy evening and night.
7.8	3.3	1.4	windy & morn., gusting to gale at obs. / c day, 1115": SSW wind 24, 1240": high thin cloud, SW wind 24, 1440": wind diminishing, alto cum, & strat
8.9	1.2	0.2	ir 0040"-0135", rr 0135"-0330", rr 0345"-0800", rr 0820"-obs. / calm misty & morn., drizzle early aftn., 15": fog; ir 0900"-1120"
6.6	3.4	3.5	0-c morn., alto cum / str at obs. / 1130": c alto cum / str; sunny 1130"-1515"
4.7	2.9	-1.1	0 morn., slight mist / r. r. 0950"-1015", 0 morn., slight mist, rr 1015"-1150", r. r. 1150"-1300", d. r. 1300", calm & aftn., 1700" cloud clearing, clear even.
4.2	-0.6	-3.8	bc - b morn., slight mist / 040" mist thickening, 1120": fog, 1245": fog, 1400": visibility 6, 1600": misty, 1700": slight rain, id. 1910"
5.0	-0.7	-5.4	bc - c morn. / 1015": c strat, slight sun at noon and 1500".
-1.7	-3.5	-6.4	foggy morn. / foggy day, fog clearing during evening.
3.6	-5.2	-9.1	b-cold calm morn. / b morn., slight mist; b early aftn.; 1430": SW wind 02; 1530": b-bc alto str.; 1645": c; snow late evening
5.0	0.0*	-7.9	moderate precipitation (snow melting?) 0020"-0400"; ir 0630", 0810" & 0850", snow lying at obs. / c morn. & aftn., cum / str., some sun 1045"-1330", RR 1430", rr 1635", 1735"
9.2	2.2	-1.5	r. r. 0625"-0655", moderate prec. 0655"-0810", d. d. 0810"-obs., a little snow lying at obs. / c morn., 13: wind strengthening from W, c aftn., ir 1835"-1905", rr 2310"-2315"
9.5	2.0	-1.6	rr 0055", rr 0225"-0240", ir. at obs. / rr 0940"-1105", ir 1105"-1145", 0 breezy morn., c breezy aftn., ir 1520"-1540", RR 1745", slight prec. 2330"-2400"
11.6	2.9*	1.0	moderate precipitation 0030"-0040", slight precipitation 0610"-0735" / 0 windy morn. & early aftn., ir 0920"-1050", rr 1255"-1530", 1615": 0, slight rain, wind shd or
2.9	0.9	-1.2	bc cold windy morn., slight to mod. rain 0020"-1130" / moderate precipitation 2045"-2105"
6.2	0.3	-1.2	0, breezy at obs. / ir 1000"-1235", sunny 1315"-1530", clear evening.
9.4	2.3	-1.2	breezy 0 morn. / r. r. 9"-0950", ir 0950"-1135", r. r. 1135"-13", c morn., near gale, rr 1410"-1420", 1430": wind decreasing; 1510": b, fresh breeze; 16": bc cum / cir.; slight prec. 2350"
10.0	5.0	2.1	ir 0520"-0710", rr 0850"-0900" / RR 0900"-0940", bc - c day, breezy morn. easing in aftn., long sunny spells 10"-15"
8.4	4.9	-0.4	moderate precipitation 0350"-0500" & at 0610", b-bc morn. / bc / b day, sunny 0930"-1500"
7.8	1.5	-1.7	bc - b morn. / fine sunny morn., generally b day, 1545": bc cum / cir., clear evening
7.2	1.4	-1.9	c morn. / much high thin cloud during morn., brief sun 11"-14", 1630": c
9.6	2.6	0.0	rr 0630"-0650", ir 0650"-0850" / breezy morn., rr 1450", pr 1750", clear evening.
10.7	3.2	-0.5	0 morn. / 0 day, rr 1410"-1430", r. r. 1430"-1530", RR 1600"-1920", d. d. 1920"-2050", rr 2050"-2120", RR 2120"-2150", ir 2150"-2250", r. r. 2250"-2400"
6.1	2.4	2.0	r. r. 0000"-0020", 0 morn. / c / bc morn., rr 0915"-0950", pr 1250", b aftn., sunny spells 1045"-1600", thin cloud during evening.
5.6	3.1	-0.2	slight precipitation 0000"-0050", c morn. / rr 1100"-1125", 1135": 0, bc early aftn., sunny 1300"-1450", lt late aftn.
10.0	1.2	-2.4	cool & morn. / misty morn.; id. 1420"; 1700": 0, rain; rr 1850"-2400"
9.7	2.6	-0.1	rr 0000"-0015", r. r. 0015"-0130", moderate prec. 0315", c morn. / 1200": c, strat.; generally c day
11.1	6.8	3.2	0 mild morn. / 0 mild calm day, slight drizzle at 1720"
9.6	8.3	4.4	r. r. 0400"-0530" / r. r. 0920"-1120", rr 1120"
9.7	8.3	7.2	0 mild morn. / 1040": 0, drizzle

*: estimated from thermograph chart.

1999

JANUARY

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0^h-24^h

HAIL

THUNDER

FOG
0900FOG
0^h-24^hAIR
FROSTGROUND
FROST

GALE

JANUARY 1999

1

2

3

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5

6

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10

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TOTAL RAINFALL 107.3 mm (4.22 ins)

TOTAL SUNSHINE 45.3 hrs

MAX. TEMP. 11.6°C on 15th

MIN. TEMP. -5.2°C on 11th

LOWEST MAX. TEMP. -1.7°C on 10th

HIGHEST MIN. TEMP. 8.3°C on 30th & 31st

MEAN MAX. 7.6°C

MEAN MIN. 2.5°C

MEAN TEMP. FOR MONTH 5.1°C ✓

MIN. GRASS TEMP. -9.1°C on 11th

HIGHEST BAR M.S.L. 1038.4 mb on 31st

LOWEST BAR M.S.L. 977.1 mb on 2nd

HIGHEST DAILY SUNSHINE 6.1 hrs on 21st

HIGHEST DAILY RAINFALL 21.0 mm on 24th

2

2

3

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1

3

4

18

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19 ⁹⁹ FEBRUARY	BAR.	ATT. THER.	DRY	WET	ANEOM		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND		RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE				W.O.	W.	DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1039.9	18.1	6.1	5.1	20	02	5	6	03	1		0.0	0.0	3.4	3.4	7.1	6.9
2	1036.7	18.0	7.7	6.5	23	09	7	7	02	1		0.0	0.0	0.0	3.4	6.7	7.0
3 *	1031.3	18.5	10.3	9.0	20	19	8	7	02	1		1.6	1.6	0.0	3.4	6.9	7.2
4	1022.2	18.9	10.4	8.3	27	24	5	7	01	1		0.1	1.7	4.0	7.4	7.7	7.2
5	1025.0	18.9	6.5	5.2	32	19	6	8	02	1		0.1	1.8	2.8	10.2	7.3	7.4
6	1023.5	17.2	6.6	5.6	32	02	8	5	21	1		0.7	2.5	0.6	10.8	6.8	7.6
7	1020.0	14.1	0.5	0.0	32	02	3	7	03	1		0.9	3.4	3.0	13.8	6.2	7.5
8	1005.9	16.5	1.6	1.4	00	00	8	6	61	2		0.6	4.0	1.2	15.0	5.4	7.4
9	1015.4	15.5	-0.8	-1.2 †	36	02	1	8	01		6	0.2	4.2	4.2	19.2	4.5	7.4
10	1019.1	15.9	0.2	-0.3 †	27	02	7	8	70		7	0.1	4.3	0.6	19.8	3.9	7.1
11	1022.2	16.0	1.8	1.4	23	02	5	7	01	1		0.6	4.9	5.6	25.4	4.0	7.0
12	1022.4	16.0	5.8	5.4	20	05	8	6	20	1		0.0	4.9	0.7	26.1	4.5	6.8
13	1031.3	14.9	-2.2	-2.5	00	00	0	3	10	4		1.1	6.0	6.6	32.7	4.8	6.8
14	1025.2	15.0	8.0	7.7	23	02	8	5	02	1		0.1	6.1	0.3	33.0	5.3	6.7
15	1024.7	17.2	6.7	5.6	23	05	2	7	01	1		1.1	7.2	1.3	34.3	5.9	6.7
16	1018.9	17.8	5.5	3.4	23	02	7	7	02	1		0.1	7.3	1.1	35.4	6.1	6.8
17	1019.0	17.5	5.8	5.0	25	05	7	7	02	1		0.2	7.5	0.0	35.4	5.6	6.9
18	1016.5	18.6	8.9	8.3	25	09	8	6	50	1		2.5	10.0	0.0	35.4	6.4	6.9
19	1011.0	19.3	6.9	5.7	32	05	7	6	60	1		0.0	10.0	3.5	38.9	7.3	7.0
20	1014.0	16.3	4.5	3.5	23	09	3	7	02	1		1.5	11.5	1.2	40.1	6.7	7.1
21	1003.1	15.3	5.2	5.0	27	19	7	6	80	1		4.9	16.4	3.9	44.0	6.4	7.2
22	1012.7	17.0	2.8	1.8	32	02	7	7	23	2		1.7	18.1	5.0	49.0	5.6	7.2
23	1018.8	15.9	2.5	1.6	25	02	8	7	02	1		11.2	29.3	0.0	49.0	5.2	7.1
24	1011.3	16.9	4.5	4.1	07	02	8	6	02	1		0.1	29.4	2.3	51.3	5.4	7.1
25	1014.3	17.8	8.8	8.1	20	13	8	6	02	1		0.5	29.9	0.0	51.3	6.2	7.0
26	1006.7	18.1	6.2	5.1	20	13	5	8	01	1		1.6	31.5	5.2	56.5	6.9	7.1
27	1004.6	15.0	2.4	1.6	20	09	6	6	01			4.6	36.1	4.5	61.0	6.2	7.2
28	1005.3	14.8	7.7	6.4	20	24	8	5	02			14.8	50.9	1.3	62.3	5.7	7.1
29																	
30																	
31																	

† 9th: WET BULB FROZEN

* 10th:

* 3rd: New sunshine recorder tower erected 14.5 feet W and 1.5 feet N of old tower, New tower 2 metres higher.

TEMPERATURE

FEBRUARY 1999

MAX.

MIN.

GRASS.
MIN.

REMARKS:

9.8	6.1	1.8	b/bc morn. / b/bc morn., sunny 1015"-1300", c afternoon.
10.3	5.0	3.1	mild c morn. / slight rain 1040", overcast day.
11.7	7.6	6.3	mild o morn. / breezy overcast morning, dull o dry day.
10.6	9.8	7.2	RR 0630"-0645" c-bc morn. / 1030": b, windy morn., 1320": c, wind easing mid-afn., 1530": c
9.4	6.3	4.0	fresh c morn. / shower 1100", bc morn., sunny periods 1100"-1500", c afn.
8.0	5.3	2.2	o morn. / r, r, 0910"-1000", 1600": o, slight rain: 1600", 1620" & 1830"
8.0	0.5	-0.2	bc/c morn. / sunny spells during morn., 1300": slight snow pellets, much high cloud & cum-minbus afn., 2140": slight snow
2.9	0.6	-0.5	r, r, 0520"-0715", rr 0715"-0740", r, r, 0740"-obs, rain and sleet at obs. / r, r, 0900"-1000", r, r, 1130"-1350", 1530": bc; 1700": b; clear evening
4.5	-3.0	-5.2	cold bc-c morn. / 1040": snowing, sunny 9"-1020", bc/c morn., long sunny spells 11"-14", snow flurries throughout day, b-1700", bc evening
3.9	-1.5	-3.5	cold c morn., very slight snow falling at obs. / snow in raingauge melting 11", c morning and afternoon
8.3	0.2	-1.2	fine c-bc morn. / sunny 0915"-1430", b morn., bc afternoon with much high cloud.
9.3	1.6	-0.7	slight precipitation 0330"-0420", mild o morn. / o morn., 1245": slight mist, mid-afternoon: c
9.5	-2.6	-3.8	rainfall meter frozen, mist appeared after sunrise / sunny 0910"-1545"; 2100": o, S wind 13
9.8	-2.6	-3.0	moderate precipitation 0350"-0450" / much high cloud during morn.
9.4	5.7	1.0	c/b mild morn. / c morn., generally o day, 1700": drizzle, ir 1715", rr 2105"-2140", r, r, 2145"-2400"
6.8	4.7	0.7	c morn. / c morn., slight rain, c/bc afn., much high cloud, 1705": slight rain.
10.1	3.4	-0.2	mild c morn. / o morn. with some drizzle and rain, o drizzly day
11.3	5.9	5.4	o mild drizzly morn., very slight drizzle at obs. / o dull morn. with slight rain, o afn. with rain & drizzle from time to time.
9.6	6.4	3.7	c/bc morn., much high thin cloud / bc morn., b early afn., 1500": c
8.4	3.5	1.2	bc morn. / brief sunny spells 9"-15", 1330": c, ir 1600" & 1750"
6.9	4.2	2.7	slight precipitation 0130" & 0250", moderate precipitation 0550"-0620" / moderate to heavy intermittent precipitation 09"-22", snow flurry 2015"
7.7	1.6	-0.5	slight to moderate precipitation 04"-0835", ^{sleet or fine hail 0835"} c/bc morn. / rain & sleet 0945" & 1225", b/bc morn. & afn., PR 1400"-1410", bc evening
6.2	0.8	-2.8	o cool morn. / o morn., o rainy day and evening, r, r, 1200"-1500", ir 1500"-2400"
8.7	2.5	1.1	ir, 0100"-0120", o morn. / 1130": c, much thin high cloud early afn., sunny 13"-15", overcast 1600"
11.4	4.3	5.1	o mild morn. / o morn., overcast afn. with some drizzle at 1550", ir 1830"-1910", ir 2145"-2210"
8.8	5.7	2.8	moderate precipitation 0720", c-bc morn. / bc morn. & early afn., sunny 0915"-1300", PR 1330", c late afn., rr 1535"-1550", PH 1710"
7.6	2.0	-0.7	bc cold morn. / ss 1020", moderate precipitation 1020"-1120", long sunny spells 1145"-1645", heavy precipitation 1900"-1920"
9.9	1.0	0.2	slight continuous precipitation 0700"-0800" / breezy c morn., RR 1040"-1045", rr 1045"-1150", c afn., moderate precipitation 2210"-2400"

19.99 FEBRUARY	BAR.	ATT. THER.	DRY	WET	ANEOMETER					OF D W.	RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.						DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1039.9	18.1	6.1	5.1	20	14.5 ft W of old tower 1 1/2 ft N of old tower recorder 2m higher than old position.					0.0	0.0	3.4	3.4	7.1	6.9
2	1036.7	18.0	7.7	6.5	23						0.0	0.0	0.0	3.4	6.7	7.0
3 *	1031.3	18.5	10.3	9.0	20						1.6	1.6	0.0	3.4	6.9	7.2
4	1022.2	18.9	10.4	8.3	27						0.1	1.7	4.0	7.4	7.7	7.2
5	1025.0	18.9	6.5	5.2	32						0.1	1.8	2.8	10.2	7.3	7.4
6	1023.5	17.2	6.6	5.6	32						0.7	2.5	0.6	10.8	6.8	7.6
7	1020.0	14.1	0.5	0.0	32	0.9	3.4	3.0	13.8	6.2	7.5					
8	1005.9	16.5	1.6	1.4	00	0.6	4.0	1.2	15.0	5.4	7.4					
9	1015.4	15.5	-0.8	-1.2	36	0.2	4.2	4.2	19.2	4.5	7.4					
10	1019.1	15.9	0.2	-0.3	27	02	7	8	70	7	0.1	4.3	0.6	19.8	3.9	7.1
11	1022.2	16.0	1.8	1.4	23	02	5	7	01	1	0.6	4.9	5.6	25.4	4.0	7.0
12	1022.4	16.0	5.8	5.4	20	05	8	6	20	1	0.0	4.9	0.7	26.1	4.5	6.8
13	1031.3	14.9	-2.2	-2.5	00	00	0	3	10	4	1.1	6.0	6.6	32.7	4.8	6.8
14	1025.2	15.0	8.0	7.7	23	02	8	5	02	1	0.1	6.1	0.3	33.0	5.3	6.7
15	1024.7	17.2	6.7	5.6	23	05	2	7	01	1	1.1	7.2	1.3	34.3	5.9	6.7
16	1018.9	17.8	5.5	3.4	23	02	7	7	02	1	0.1	7.3	1.1	35.4	6.1	6.8
17	1019.0	17.5	5.8	5.0	25	05	7	7	02	1	0.2	7.5	0.0	35.4	5.6	6.9
18	1016.5	18.6	8.9	8.3	25	09	8	6	50	1	2.5	10.0	0.0	35.4	6.4	6.9
19	1011.0	19.3	6.9	5.7	32	05	7	6	60	1	0.0	10.0	3.5	38.9	7.3	7.0
20	1014.0	16.3	4.5	3.5	23	09	3	7	02	1	1.5	11.5	1.2	40.1	6.7	7.1
21	1003.1	15.3	5.2	5.0	27	19	7	6	80	1	4.9	16.4	3.9	44.0	6.4	7.2
22	1012.7	17.0	2.8	1.8	32	02	7	7	23	2	1.7	18.1	5.0	49.0	5.6	7.2
23	1018.8	15.9	2.5	1.6	25	02	8	7	02	1	11.2	29.3	0.0	49.0	5.2	7.1
24	1011.3	16.9	4.5	4.1	07	02	8	6	02	1	0.1	29.4	2.3	51.3	5.4	7.1
25	1014.3	17.8	8.8	8.1	20	13	8	6	02	1	0.5	29.9	0.0	51.3	6.2	7.0
26	1006.7	18.1	6.2	5.1	20	13	5	8	01	1	1.6	31.5	5.2	56.5	6.9	7.1
27	1004.6	15.0	2.4	1.6	20	09	6	6	01		4.6	36.1	4.5	61.0	6.2	7.2
28	1005.3	14.8	7.7	6.4	20	24	8	5	02		14.8	50.9	1.3	62.3	5.7	7.1
29																
30																
31																

14.5 ft
W of old tower
1 1/2 ft
N of old tower
recorder 2m higher than
old station.

† 9th: WET BULB FROZEN
* 10th:

* 3rd: New sunshine recorder tower erected

14.5 feet W and 1.5 feet N of old tower, New tower 2 metres higher.

1999

FEBRUARY

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0^h-24^h

HAIL

THUNDER

FOG
0900FOG
0^h-24^hAIR
FROSTGROUND
FROST

GALE

FEBRUARY 1999

1

2

3

4

5

6

7

8

9

10

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14

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16

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18

19

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21

22

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25

26

27

28

29

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31

TOTAL RAINFALL

50.9 mm (2.00 ins)

TOTAL SUNSHINE

62.3 hrs

MAX. TEMP.

11.7°C on 3rd

MIN. TEMP.

-3.0°C on 9th

LOWEST MAX. TEMP.

2.9°C on 8th

HIGHEST MIN. TEMP.

9.8°C on 4th

MEAN MAX.

8.5°C

MEAN MIN.

3.0°C

MEAN TEMP. FOR MONTH

5.8°C 5.75

MIN. GRASS TEMP.

-5.2°C on 9th

HIGHEST BAR M.S.L.

1039.9 mb on 1st

LOWEST BAR M.S.L.

1003.1 mb on 21st

HIGHEST DAILY SUNSHINE

6.6 hrs on 13th

HIGHEST DAILY RAINFALL

14.8 mm on 28th

2

1

2

1

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+

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4

10

19.99 MARCH	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND		RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE				W.O.	W.	DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1003.2	17.9	5.5	5.2	00	00	6	7	01	2		5.0	5.0	2.3	2.3	6.1	7.1
2	995.9	17.6	10.8	9.9	20	13	8	7	63	2		4.1	9.1	3.0	5.3	7.2	7.1
3	976.0	16.5	4.8	4.4	00	00	2	6	01	2		1.9	11.0	4.1	9.4	7.1	7.2
4	993.6	17.0	5.3	3.2	34	09	6	7	23	1		0.5	11.5	3.9	13.3	6.9	7.4
5	1003.3	18.2	2.1	1.5	34	02	1	8	26		1	1.3	12.8	6.2	19.5	6.2	7.4
6	1005.8	16.3	2.9	2.1	32	09	4	8	02	4		1.4	14.2	2.8	22.3	5.8	7.4
7	1007.7	16.4	2.2	1.8	34	02	7	8	02	4		0.1	14.3	4.1	26.4	5.7	7.4
8	1007.2	17.8	3.2	1.8	36	02	4	9	01	1		0.1	14.4	6.1	32.5	5.9	7.3
9	1010.9	18.8	2.2	1.8	36	02	4	7	02	1		0.0	14.4	5.6	38.1	6.0	7.2
10	1016.0	17.9	-0.1	-0.5	00	00	0	6	02	1		0.0	14.4	4.8	42.9	5.8	7.2
11	1011.1	17.0	4.6	2.9	18	09	7	6	02	1		0.9	15.3	0.0	42.9	5.6	7.2
12	1003.1	17.1	7.5	6.1	20	09	4	7	02	1		1.0	16.3	2.8	45.7	6.0	7.1
13	1006.3	17.2	5.5	4.1	23	19	6	7	01	1		0.0	16.3	2.1	47.8	6.3	7.1
14	1019.8	16.0	6.1	5.2	23	13	3	6	03	1		1.2	16.3	2.5	50.3	6.3	7.2
15	1022.0	16.0	9.9	8.1	20	19	7	7	02	1		0.2	16.5	1.1	51.4	6.9	7.2
16	1026.1	18.9	11.0	9.7	20	13	8	7	02	1		0.0	16.5	5.0	56.4	7.9	7.3
17	1029.1	19.3	9.0	7.6	23	19	8	6	01	1		0.6	17.1	7.4	63.8	8.5	7.4
18	1028.0	18.7	7.2	5.5	29	09	2	7	02	1		0.0	17.1	6.9	70.7	8.8	7.6
19	1030.9	18.3	7.3	6.1	29	02	7	7	20	1		0.1	17.2	1.3	72.0	8.2	7.8
20	1028.4	18.3	7.0	5.3	23	13	6	7	02	1		5.8	23.0	2.7	74.7	8.2	7.9
21	1005.5	17.8	7.0	5.2	27	24	8	6	62	2		0.4	23.4	4.7	79.4	8.3	8.0
22	1018.8	17.1	6.0	5.3	23	05	8	7	60	1		1.9	25.3	0.0	79.4	8.3	8.0
23	1010.8	17.8	10.1	9.4	25	13	7	7	20	1		0.5	25.8	1.7	81.1	8.4	8.1
24	1002.0	18.0	8.1	6.1	23	19	2	8	01	1		1.3	27.1	7.7	88.8	8.7	8.2
25	1001.5	18.1	4.2	3.0	20	05	1	8	02	1		0.3	27.4	7.0	95.8	8.2	8.3
26	998.3	16.6	5.2	3.6	25	19	4	8	03	1		0.1	27.5	7.9	103.7	7.7	8.3
27	1006.3	16.5	4.3	3.4	00	00	2	8	02	1		0.8	28.3	6.9	110.6	7.5	8.3
28	1002.7	16.2	7.0	6.1	20	24	8	6	61	2		9.3	37.6	0.0	110.6	7.6	8.2
29	1000.3	16.5	10.0	8.2	20	19	3	7	03	1		0.3	37.9	9.6	120.2	8.1	8.3
30	1009.9	17.8	8.4	6.9	23	13	6	8	03	1		0.8	38.7	8.0	128.2	8.4	8.3
31	1010.6	18.9	8.0	7.5	16	02	8	5	02	1		0.2	38.9	0.1	128.3	8.8	8.3

TEMPERATURE

MARCH 1999

REMARKS:

MAX.	MIN.	GRASS. MIN.	
11.3	5.2	2.8	moderate precipitation 0000"-0320", slight prec. 0530"-0630", heavy prec. 0630"-0655"/sunny 0915"-1030" & 1200"-1250", c. aftn., do do 1630", mod. prec. 2245"-2400"
11.2	5.6	5.9	moderate prec. 0000"-0020", mod. intermittent prec. 0020"-0130", rr 0800"-ols./c-0 morn., RR 1200", o/bc aftn., RR 1550", moderate prec. 1920"-1950", & 2145"
10.1	4.6	1.4	rr 0600"-0720", c-b cool calm morn./bc morn.; RR 1400", 1525" & 1610"; sunny spells throughout day 9"-15", intermittent rain throughout evening.
8.5	3.0	-1.2	slight sleet and hail at 0800", c morn./much high thin cloud morn., sunny morn. & sunny mid-late aftn., generally c day, pr 2230" & 2330"
8.0	0.3	-2.6	snow flurry 0755", c-bc morn./snow pellets 1220", bc aftn., hail 1520", long sunny spells throughout day.
7.5	0.7	-2.5	slight to moderate precipitation 0350"-0515"/c morn., rr 1250"-1300", bc aftn., moderate prec. 1615"-1625", brief sun throughout day
7.9	0.7	-2.6	cool c morn./high cloud during morn., sunny 0940"-1330", dry day.
7.0	1.7	-0.2	some sun before ols., thin high cloud/thin high cloud all morn., cloud thickening at 1300", sunny 0900"-1400"
7.6	1.0	-3.5	bc morn./b/bc morn., long sunny spells 0900"-1645", bc at 1700", bc evening.
8.1	-2.1	-5.0	cold b morn., sunny before ols., mist/ b-bc morn., sunny periods 0900"-1400", c aftn.
7.5	1.3	-1.5	cool c morn./c morn. with slight mist, ir 1700", r. r. 1830"-2030", ir 2030", r. r. 2035"-2135", ir 2135"
10.2	4.6	2.3	c/bc sunny morn./o-c morn., c aftn., heavy precipitation at 1700"
10.1	2.6	-1.0	bc-b morn./bc morn., c aftn., slight shower 1530", b at 1900"
11.4	4.2	0.1	some sun before ols./some sun 0915"-1030", overcast at 1440", dry day.
13.2	5.9	5.1	c mild morn./o/c morn., slight rain at 1120", c aftn., slight precipitation 2000", moderate precipitation 2240"
16.4	10.0	8.6	mild o morn./c morn., much high cloud weak sun during aftn.
16.0	7.6	3.5	mild morn./dry sunny day, b aftn., bc 1915"
11.9	4.8	0.1	heavy precipitation 0015", moderate intermittent precipitation 0020"-0040", b morn., sunny before ols./c high cloud during morn., slight showers 1015" ^{1135", c aftn., bc 1945"}
11.8	5.2	2.9	c morn./brief sunny spells 1000"-1345" and at 1715"
10.7	5.4	3.6	slight precipitation 0150"/brief sunny periods 0920"-1330", moderate precipitation 2050" and at 2330"-2400"
12.1	5.1	3.4	heavy precipitation 0235"-0245" and at 0315" and 0510"-0520"/c breezy morn., showers at 1250" and 1645", bc early aftn., long sunny periods 13"-18"
10.5	3.7	1.0	o cool morn./o dull drizzly day.
13.3	5.9	5.7	moderate precipitation 0200" and 0330"-0350", slight drizzle 0720"-0800"/mainly c day, bc 2000"
11.8	7.2	4.7	ir 0540"-0620", ir 0620"-0715"/long sunny periods 0900"-1600", PR 1505", PH 1645", c late aftn., pr 1820"-1905", & evening.
10.6	1.5	-0.7	cool b morn./sunny morn., c aftn. with broken sunshine till 1800", PR 1740"
10.9	1.3	-1.0	cool b morn./c with slight shower at 1100", sunny intervals 0900"-1330", sunny aftn. 1430"-1815"
10.6	-0.8	-2.5	cool b morn./brief sunny spells 0900"-1130", sunny aftn. 1340"-1810"
12.1	4.1	-0.9	slight to moderate rain 0750"-ols./o morn., slight to moderate rain 0900"-1050", o day, ir 1830"-1840", ir 1840"-2400"
14.0	6.4	5.5	ir 2400"-0420", mild b morn./c morn., breezy, bc-c aftn., breezy early aftn., PR 1250", fine sunny day, pr 1820"
13.2	6.1	3.1	b-c morn./bc/c morn., sunny 0900"-1300", pr 1400", generally bc aftn., sunny 1400"-1700", PR 2245"
14.1	4.7	1.0	o misty morn./o-c morn., generally o day, ir 1400", heavy precipitation at 2245"

19⁹⁹

MARCH

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0^h-24^h

HAIL

THUNDER

FOG
0900FOG
0^h-24^hAIR
FROSTGROUND
FROST

GALE

MARCH

1999

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TOTAL RAINFALL 38.9mm (1.53ins)

TOTAL SUNSHINE 128.3hrs

MAX. TEMP. 16.4°C on 16th

MIN. TEMP. -2.1°C on 10th

LOWEST MAX. TEMP. 7.0°C on 8th

HIGHEST MIN. TEMP. 10.0°C on 16th

MEAN MAX. 11.0°C

MEAN MIN. 3.8°C

MEAN TEMP. FOR MONTH 7.4°C ✓

MIN. GRASS TEMP. -5.0°C on 10th

HIGHEST BAR M.S.L. 1030.9 mb on 19th

LOWEST BAR M.S.L. 976 mb on 3rd

HIGHEST DAILY SUNSHINE 9.6hrs on 29th

HIGHEST DAILY RAINFALL 9.3mm on 28th

- - - 1 - - - 2 13 -

1999 APRIL	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND W.O. W.	RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE					DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1008.0	19.0	13.9	11.1	16	09	7	5	02	1	4.1	4.1	8.0	8.0	9.0	8.4
2	1010.3	18.4	10.8	9.7	11	09	4	6	02	1	0.0	4.1	8.0	16.0	10.2	8.5
3	1015.6	18.4	10.6	8.9	11	02	2	8	01	1	1.2	5.3	3.9	19.9	10.2	8.6
4	1018.0	19.2	13.2	12.0	18	05	7	6	03	1	3.8	9.1	0.7	20.6	10.5	8.9
5	1015.6	19.5	12.9	11.5	16	13	8	6	60	1	1.3	10.4	0.3	20.9	10.8	9.0
6	1010.5	18.3	12.0	9.6	23	19	6	6	03	1	2.3	12.7	5.3	26.2	11.0	9.4
7	1019.8	18.0	9.9	8.3	27	13	7	7	03	1	1.4	14.1	3.0	29.2	10.6	9.5
8	1024.1	18.0	11.5	10.8	23	13	8	7	02	1	0.0	14.1	0.4	29.6	10.7	9.5
9	1022.1	18.0	12.0	9.9	18	13	8	7	02	1	5.2	14.1	3.2	32.8	11.1	9.6
10	1013.4	18.0	9.2	6.9	27	13	7	6	03	1	0.7	14.8	8.2	41.0	11.4	9.7
11	1019.1	16.2	8.7	6.6	23	09	5	7	03	0	11.3	26.1	1.2	42.2	10.5	9.9
12	992.8	16.8	8.7	8.0	29	09	7	8	02	1	0.5	26.6	6.0	48.2	9.8	9.9
13	1007.2	17.1	2.7	2.0	34	19	8	6	87	1	0.6	27.2	4.0	52.2	9.6	9.8
14	1001.5	17.2	2.8	2.1	32	05	4	9	22	1	7.1	34.3	3.7	55.9	9.2	9.8
15	1003.1	17.1	6.2	4.4	34	09	5	8	03	1	2.8	37.1	9.8	65.7	8.5	9.6
16	1003.7	17.3	3.4	2.8	36	02	8	6	50	1	0.8	37.9	2.0	67.7	8.5	9.5
17	1013.6	16.9	5.5	4.0	23	02	2	8	02	1	0.0	37.9	6.6	74.3	8.5	9.5
18	1015.6	16.2	5.8	4.0	25	05	4	8	02	1	0.1	38.0	11.6	85.9	8.6	9.4
19	1017.8	17.2	7.3	5.4	14	05	5	8	03	1	5.1	43.1	8.9	94.8	8.7	9.4
20	992.8	18.7	6.1	5.6	09	13	8	5	65	2	11.8	54.9	1.2	96.0	9.1	9.4
21	975.2	16.9	9.8	9.2	16	19	8	5	51	2	3.5	58.4	0.5	96.5	9.2	9.4
22	992.8	17.0	9.2	7.5	20	19	7	8	02	1	1.2	59.6	8.2	104.7	9.7	9.4
23	1002.3	16.4	8.7	7.5	20	13	7	6	50	1	1.1	60.7	4.5	109.2	9.8	9.4
24	1016.4	16.8	10.5	9.0	20	02	3	7	03	0	1.1	61.8	10.1	119.3	10.5	9.5
25	1013.1	18.5	9.5	8.5	14	05	8	5	60	1	1.8	63.6	0.0	119.3	11.0	9.6
26	1020.0	16.9	9.8	8.8	07	02	8	5	02	1	5.2	63.6	7.7	127.0	10.6	9.8
27	1032.8	18.5	10.6	9.5	02	02	8	6	02	1	0.0	63.6	10.6	137.6	11.4	9.9
28	1033.7	19.0	13.0	10.5	36	02	4	6	02	1	0.0	63.6	12.6	150.2	12.1	10.0
29	1026.2	19.7	8.6	7.7	36	02	8	6	02	1	0.0	63.6	8.9	159.1	12.7	10.2
30	1020.4	20.3	10.4	9.0	02	02	8	7	02	1	0.0	63.6	1.7	160.8	13.3	10.5
31																

TEMPERATURE

APRIL 1999

MAX.	MIN.	GRASS. MIN.	REMARKS:
16.3	8.4	7.8	much thin cloud, hazy sunshine at obs./long sunny periods 0940"-1630", moderate intermittent precipitation 2240"-2400"
14.5	9.2	8.4	moderate intermittent prec. 0000"-0110", heavy intermittent prec. 0210"-0330", slight int. prec. 0540"-0710"/sunny day 1015"-1815"
13.8	6.7	1.6	mild & morn. / sunny morn. 0900"-1230"
16.4	9.4	6.5	moderate precipitation 0010"-0055" / heavy intermittent rain 1810"-1915"
14.5	11.2	9.2	mild & morn. / slight intermittent rain 1330"-1630"
14.3	9.2	7.2	heavy precipitation 0010"-0020", sunny morn. / sunny morn., heavy rain 130", mod. rain 1345", heavy rain 1630", mod. rain 1755"
13.2	7.5	5.3	mild & morn. / brief sunny spells 9"-1515", slight precipitation 2040"-2310"
14.9	9.1	3.5*	0 mild morn. / dry day with little sunshine
17.5	10.6	9.4	mild & morn. / brief sun in morn., sunny early aftn.
11.8	7.6	5.2	slight precipitation 0000"-0035", sunny morn. 0700"-0850" / long sunny spells 9"-17", pr 1040", 1720" & 1750"
10.6	4.0	0.5	brief sun before obs. / sunny 9"-0915", rr 14"-18", ir 18"-1820", ir 2045"-2115", hail in evening.
12.9	5.0	3.0	mod. to heavy rain 0020"-0045", mod. prec. 0230", ir 5"-0615", do rr 0700"/c morn., shower at 10", o/c aftn., sunny late aftn.
9.1	1.5	0.4	is. 0710", is 0800", small hail & snow at obs. / c morn., sunny 12"-15", c aftn.
8.4	-1.1	-1.9	snowing 0805"-0835", 0-bc morn. / bc morn., sunny 9"-12", o/c aftn., ir 1400"-1420", ir 1540"-1610", ir 1750"-1920", 0 breezy even., ir 2100"
10.6	2.3	-0.1	ir 0230", ir 0430", ir 0610", b-bc morn. / hail at 1000" (up to 7mm dia.), hail 1040", c/bc morn., long sunny spells 9"-19", clear evening.
7.1	-1.4	-2.0	cold & morn. / o morn., ir 1040" & 1320", generally c aftn., sunny spells 1600"-1830"
10.2	-0.3	-1.2	b morn. / bc (cum) morn., c early aftn. with hazy sunshine, sunny 9"-1430"
11.1	-0.1	-4.4	bc morn., sunny 0640"-0900" / long sunny periods 0900"-1915", slight sleet 1345" (with rain)
10.9	-1.6	-7.0	mild bc morn., sunny 0645"-9" / c early aftn., dry day, sunny 0900"-1600"
10.8	5.3	4.7	rr 0100"-0300", rr 0450"-0610", rr 0610"-0730", RR 0810"-obs. / o misty morn., RR 9"-0930", rr 0930"-1150", rr 1150"-1310", 0 drizzle early aftn., breezy
12.8	5.9	6.1	rr 0345"-obs. / o morn. drizzle & rain, o/c aftn. with rain & mist, ir 1615"-1630", rr 2015"-2120"
12.2	8.2	6.3	breezy c morn. / c morn., pr 1115", 1145" & 1310", bc aftn., sunny 14"-19", b evening, bc 2130"
14.5	6.0	4.1	o/c morn. / c morn., shower 1350", sunny 12"-16", PR 1650", moderate precipitation 1820"-1845"
14.5	8.1	5.7	sunny morn. 0640"-obs. / sunny 9"-1630", dry day.
9.5†	7.8	6.5	ir 0100"-0300", 0 morn. / ir 1030"-11" & 13"-14" & 1915"-20", ir 2145"-2315", 0 day.
16.4†	8.3	7.1	ir 0420"-0540", 0 morn. / slight rain 1025", bc aftn., hazy sun 11"-19"
18.5	7.2	4.7	0 mild morn. / bc-b day with hazy sunshine 1010"-1915"
18.2	5.5	3.6	warm sunny morn., much thin high cloud / bc day, hazy sunshine 0900"-1910"
18.9	7.4	7.5	mild & morn. / cloud breaking 1000", hazy & aftn., much thin high cloud, sunny 10"-19"
14.1	6.7	3.3	0 mild morn. / brief sun 1315"-1830"

*: grass cutting, thermometer moved before observation.

*: Dry bulb 55.7-6.0 but trying to reset max. therm. 6.0 → 6.8

†: estimated from thermogram max. thermometer Serial 55335/89 replaced by Serial 56070/95 on 27th.

19.99

APRIL

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0"-24"

HAIL THUNDER

FOG
0900FOG
0"-24"

AIR FROST

GROUND
FROST

GALE

APRIL

1999

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TOTAL RAINFALL

63.6mm (2.50 ins)

TOTAL SUNSHINE

160.8 hrs

MAX. TEMP.

18.9°C on 29th

MIN. TEMP.

-1.6°C on 19th

LOWEST MAX. TEMP.

7.1°C on 16th

HIGHEST MIN. TEMP.

11.2°C on 5th

MEAN MAX.

13.3°C

MEAN MIN.

5.8°C

MEAN TEMP. FOR MONTH

9.5°C 9.55

MIN. GRASS TEMP.

-7.0°C on 19th

HIGHEST BAR M.S.L.

1033.7mb on 28th

LOWEST BAR M.S.L.

975.2mb on 21st

HIGHEST DAILY SUNSHINE

12.6 hrs on 28th

HIGHEST DAILY RAINFALL

11.8mb on 20th

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6

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19.99 MAY	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND W.O. W.	RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE					DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1021.0	19.8	10.2	7.2	09	02	7	7	03	1	0.0	0.0	8.3	8.3	13.0	10.8
2	1021.5	18.7	10.9	9.2	09	02	8	6	02	1	0.0	0.0	0.5	8.8	13.0	10.9
3	1020.4	18.6	14.3	11.6	09	02	0	6	02	1	0.0	0.0	12.6	21.4	12.8	11.0
4	1019.8	19.9	15.6	13.3	16	02	7	5	02	0	0.0	0.0	5.3	26.7	13.6	11.1
5	1014.9	19.6	11.1	8.5	09	13	8	7	02	0	0.0	0.0	0.0	26.7	13.5	11.3
6	1011.5	20.0	10.6	9.9	09	05	8	5	02	1	0.1	0.1	0.0	26.7	13.2	11.4
7	1008.5	19.4	11.9	10.3	11	09	7	7	02	1	0.7	0.8	2.2	28.9	12.9	11.5
8	1003.1	-	13.6	11.1	20	13	8	6	03	1	6.4	7.2	2.1	31.0	12.7	11.5
9	1003.4	18.0	14.2	12.5	18	24	8	5	02	1	0.6	7.8	0.4	31.4	11.5	13.0
10	999.7	17.4	12.6	10.9	18	13	7	7	02	1	2.9	10.7	5.7	37.1	13.0	11.6
11	999.2	17.9	13.1	11.1	20	19	7	7	02	1	6.5	17.2	5.5	42.6	13.4	11.6
12	1002.6	19.0	12.6	11.0	20	02	7	7	01	1	4.8	22.0	1.1	43.7	13.5	11.8
13	1004.1	19.2	12.1	10.5	18	02	8	7	60	1	2.9	24.9	3.1	46.8	13.3	11.8
14	1013.2	18.9	10.9	10.0	14	02	8	6	02	1	0.0	24.9	1.0	47.8	13.6	11.9
15	1025.7	18.8	12.8	9.7	20	02	4	6	02	1	0.1	25.0	2.0	49.8	13.4	12.1
16	1029.3	17.2	10.7	9.4	18	02	8	5	02	1	0.0	25.0	2.1	51.9	13.4	12.1
17	1027.1	17.8	11.7	9.7	05	02	7	6	02	1	0.0	25.0	4.7	56.6	13.1	12.1
18	1024.1	18.3	12.1	9.5	05	09	1	8	01	1	0.0	25.0	11.2	67.8	13.3	12.1
19	1017.4	20.1	12.5	10.1	02	02	7	7	02	1	0.0	25.0	2.3	70.1	14.0	12.1
20	1015.8	20.2	13.2	11.1	02	02	6	8	02	1	0.8	25.8	8.3	78.4	14.1	12.3
21	1005.0	20.2	12.5	9.2	27	24	5	7	80	1	1.2	27.0	7.2	85.6	14.6	12.4
22	1014.0	18.8	11.5	6.9	27	24	4	7	02	1	0.1	27.1	3.9	89.5	13.6	12.5
23	1013.5	17.9	12.5	11.4	25	19	8	6	02	1	5.8	32.9	0.1	89.6	13.3	12.5
24	1013.0	17.8	11.7	9.5	23	19	5	8	01	1	0.2	33.1	11.2	100.8	13.1	12.5
25	1017.6	17.7	11.0	8.3	23	13	7	9	80	1	0.1 [†]	33.2	3.3	104.1	13.0	12.5
26	1012.0	18.1	14.3	12.6	23	19	7	6	52	1	0.0	33.2	1.8	105.9	13.3	12.5
27	1015.9	19.2	15.5	13.6	23	02	7	7	02	1	9.2	42.4	4.8	110.7	13.8	12.5
28	1011.2	20.1	13.2	12.9	00	00	8	4	59	2	5.8	48.2	0.0	110.7	15.0	12.6
29	1020.5	18.9	11.1	9.2	00	09	6	6	01	1	0.0	48.2	1.3	112.0	14.5	12.8
30	1023.0	18.7	9.9	7.9	09	09	8	6	02	1	0.0	48.2	0.0	112.0	14.4	12.8
31	1023.4	17.8	12.2	10.1	09	05	7	7	02	1	0.0	48.2	8.6	120.6	14.1	12.9

¹: estimated from barogram

[†]: auto rain gauge blocked at obs.

TEMPERATURE

MAY 1999

MAX.

MIN.

GRASS.
MIN.

REMARKS:

14.7	6.0	1.6*	c mild morn. / bc/c morn., long sunny period 11"-19"
15.9	3.6	-†	mild o morn. / o day.
19.9	7.4	-	warm b morn. / b day, sunny 0900"-1900"
17.7	9.4	-**	warm c hazy morn. / b morn., cloud breaking early aftn., hazy day, b evening, sunny 1415"-1900"
14.7	7.4	3.5	o mild morn. / c morn., c aftn., hazy day.
15.0	10.1	7.9††	o misty morn. / overcast misty day, slight rain 2020"
14.1	7.9	2.9	sunny periods 0620"-0800" / o-c morn., slight precipitation 1420"-1530", moderate precipitation 1530" & 1700"
16.1	8.4	4.2	little sun before obs. / c aftn., moderate to heavy precipitation 1920"-2030"
14.7	10.7	8.6	mild c morn. / o with rain at 1200", breezy early aftn., o at 1800", c at 2000"
16.7	10.6	6.7	c morn. / breezy c day, pr 1115", PR 1420", 1500", 1530" & 1630", moderate intermittent precipitation 2030"-2220"
16.9	10.5	8.6	slight precipitation 0330"-0400", breezy c morn. / breezy c morn., sunny spells 1000"-1500", PR 1145", 1230", 1515" & 1800"-1835"
14.3	9.2	6.7	o-c cool morn. / c morn., brief sunny spells 0900"-1315", showery morn., spells of moderate rain 1200"-1800"
15.8	10.0	7.7	o dull morn., slight rain began at obs. / mainly c day, rr 0915"-1020", PR 1630"-1645", sunny spells 1330"-1900"
15.0	7.1	5.0	o morn., slight rain / brief sun late aftn.
13.5	4.6	1.0	brief sunny spells 0520"-obs. / brief sun 0900"-0945", o at 1900"
13.4	8.4	7.4	o morn. / o morn. and aftn., bc even., sunny 1700"-1900"
13.5	6.4	4.0	o/c cool morn. / c morn., bc-c aftn.
17.2	5.6	1.5	bc-b morn. / mainly b morn., b-bc aftn. - cirrus, sunny day 0900"-1650"
17.9	8.3	6.2	sunny morn. 0615"-0800" / c morn. and aftn., slight haze.
19.2	9.9	6.0	bc/c morn., sunny 0600"-0830" / bc morn., sunny 0900"-1500", c aftn., PR 1545", breezy even. and night.
13.2	11.6	10.2	breezy c morn. / bc windy early aftn., c late aftn., wind easing at 1600", sunny 1200"-1830"
13.5	6.7	4.3	moderate precipitation at 0000" / o windy day, o breezy evening.
13.5	10.3	9.4	o morn. / o misty morn., auto rain gauge possibly blocked, o evening.
14.0	8.1	6.3 ²	bc/c breezy morn. / long sunny periods 0900"-1945"
15.3	6.2	4.1	c breezy morn. / brief sunny spells late morn., slight precipitation 2200"
18.9	10.7	11.1	o morn., id. at 0800", id. at obs. / generally c morn. & aftn., sunny spells 13"-15"
19.7	11.1	7.5	mild c morn. / o/c morn., long sunny spell 1030"-1600", c morn., bc/c aftn., hazy sunshine, sultry day.
16.4	12.4	10.1	rr 0450"-obs., mild o morn. / o misty morn., rr 0900"-1030", rr 1030"-1300", rr 1540"-1650", ir 1840"-1915", dull misty o aftn.
13.5	8.6	8.9	c morn. / o/c morn. and aftn., c evening.
12.8	8.4	8.6	o morn. / o morn., o aftn. & evening.
17.9	7.2	4.8	mild c morn. / bc morn. & aftn., sunny 0930"-1815"

*: grass min. thermometer disturbed before obs., probably not correct.

†: grass min. thermometer stolen.

2: grass min. thermometer may have been disturbed before obs."

**: Replaced grass min. thermometer with Serial 21270-68922/86

††: new grass min. thermometer Serial # 56070/95

19⁹⁹

MAY

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0^h-24^h

HAIL THUNDER

FOG
0900FOG
0^h-24^hAIR
FROSTGROUND
FROST

GALE

MAY

1999

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TOTAL RAINFALL

48.2mm (1.90 ins.)

TOTAL SUNSHINE

120.6 hrs

MAX. TEMP.

19.9°C on 3rd

MIN. TEMP.

3.6°C on 2nd

LOWEST MAX. TEMP.

12.8°C on 30th

HIGHEST MIN. TEMP.

12.4°C on 28th

MEAN MAX.

15.6°C

MEAN MIN.

8.5°C

MEAN TEMP. FOR MONTH

12.1°C 12.05

MIN. GRASS TEMP.

1.0°C on 15th

HIGHEST BAR. M.S.L.

1029.3 mb on 16th

LOWEST BAR. M.S.L.

999.2 mb on 11th

HIGHEST DAILY SUNSHINE

12.6 hrs on 3rd

HIGHEST DAILY RAINFALL

9.2 mm on 27th

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1999 JUNE	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND		RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE				W.O.	W.	DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1021.3	19.4	15.5	12.5	20	05	5	7	02	1		0.0	0.0	8.6	8.6	15.1	13.0
2	1010.4	20.0	12.2	11.0	18	02	8	6	02	1		6.4	6.4	0.0	8.6	15.7	13.0
3	1004.6	18.8	11.9	11.3	02	02	8	5	61	1		0.9	7.3	0.6	9.2	15.0	13.2
4	997.5	19.2	12.0	8.7	20	19	5	7	03	1		5.7	13.0	9.0	18.2	15.1	13.3
5	1007.8	17.9	11.8	8.8	00	00	2	7	02	1		0.6	13.6	9.5	27.7	14.5	13.5
6	1006.8	16.9	10.9	8.4	20	09	8	6	02	1		0.0	13.6	2.2	29.9	14.9	13.5
7	1012.9	18.0	11.1	8.3	36	13	5	9	02	1		0.2	13.8	7.8	37.7	14.1	13.4
8	1020.1	17.1	10.4	7.8	23	05	7	9	03	1		0.0	13.8	8.6	46.3	13.9	13.4
9	1026.7	17.6	12.1	10.0	25	02	7	6	50	1		0.0	13.8	3.3	49.6	14.0	13.3
10	1030.0	18.7	12.2	9.8	36	02	8	8	02	1		0.0	13.8	1.8	51.4	14.5	13.3
11	1030.0	18.8	12.1	9.9	36	02	8	8	02	1		0.0	13.8	0.0	51.4	14.5	13.3
12	1024.8	19.9	13.2	11.5	36	02	8	7	02	1		2.6	16.4	4.9	56.3	14.5	13.3
13	1023.3	18.9	11.6	11.1	25	09	8	6	61	2		2.2	18.6	0.0	56.3	15.0	13.4
14	1022.5	19.1	15.8	13.0	20	09	8	8	02	1		0.0	18.6	6.1	62.4	14.9	13.5
15	1025.3	19.8	14.9	11.0	20	05	7	8	01	1		1.0	19.6	3.3	65.7	15.2	13.5
16	1021.8	19.8	16.1	13.3	23	19	8	7	60	1		0.4	20.0	3.5	69.2	15.3	13.6
17	1025.4	19.7	13.4	10.3	25	09	7	8	02	1		0.0	20.0	7.4	76.6	15.2	13.7
18	1026.0	20.6	14.1	12.9	20	13	8	6	02	1		0.3	20.3	0.2	76.8	15.6	13.7
19	1018.4	20.1	14.8	13.9	20	24	8	5	61	1		6.4	26.7	0.0	76.8	15.5	13.8
20	1014.1	18.5	11.3	8.8	32	19	6	6	01	1		0.8	27.5	8.9	85.7	14.9	13.8
21	1022.4	18.9	11.2	9.1	32	09	4	8	01	1		0.0	27.5	4.6	90.3	14.9	13.9
22	1022.9	19.0	11.9	9.5	18	13	8	7	02	1		0.9	28.4	0.0	90.3	14.8	13.8
23	1022.2	18.6	13.1	12.6	20	02	8	6	20	1		5.2	28.4	0.0	90.3	14.7	13.8
24	1026.9	18.8	16.9	13.5	18	02	8	7	02	1		0.0	28.4	1.5	91.8	15.0	13.8
25	1021.8	19.9	18.3	14.0	20	05	5	7	02	1		0.0	28.4	13.7	105.5	15.5	13.8
26	1005.5	20.6	16.8	14.0	23	19	7	6	02	1		9.1	37.5	0.7	106.2	16.2	13.8
27	999.4	19.5	13.3	11.4	23	09	5	7	02	1		0.9	38.4	8.1	114.3	15.5	14.0
28	1001.4	19.1	11.4	9.8	23	13	7	8	62	2		1.8	40.2	6.5	120.8	15.5	14.0
29	1009.4	19.4	14.0	10.5	20	09	3	8	01	1		0.0	40.2	5.9	126.7	15.1	14.0
30	1015.1	19.6	13.4	10.9	23	13	8	8	01	1		0.0	40.2	0.2	126.9	15.1	14.1
31																	

TEMPERATURE

JUNE 1999

MAX.

MIN.

GRASS.
MIN.

REMARKS:

19.5	11.3	9.8	bc morn., slight haze, alt. cum./cirrus/bc aftn., long sunny spells 0900"-1700", c-o evening.
13.1	10.5	10.1	o hazy morn./o morn., slight/moderate rain & drizzle throughout day 1130"-2100", dull o misty day.
16.9	10.7	11.2	o morn., slight rain/o morn., c aftn. and evening.
13.1	9.2	7.8	slight to moderate precipitation 0210"-0350", fresh bc morn., sunny 0600"-obs./o/c morn., iR 1140", hail at 1255", ^[shells throughout day, bc evening] at 1410", sunny.
17.5	3.5	0.0	b-bc morn./c at 1200", c aftn. and evening, long sunny spells 0900"-1415" and 16"-17".
12.5	8.1	9.4	c morn./o morn. and aftn., sunny 1745"-1815"
13.8	4.7	4.2	cool bc morn./bc/c morn., ^Δ at 1105", c aftn., bc/c sunny evening, clear night.
15.2	3.6	-0.1	bc-c cool morn./sunny spells 0920"-1230", c aftn., sunny 1645"-1830"
16.7	4.3	2.3	o/c morn., very slight drizzle at obs./o/c morn., c aftn.,
16.1	10.6	10.2	o/c morn./o/c morn., sunny spells 1330"-1630"
14.3	9.7	9.8	dull, mostly o morn./o morn. & aftn., o/c evening.
16.9	9.2	5.5	o morn./c at 1010" hazy sunshine, brief sunny intervals 1240"-1400", long sunny spells 1500"-1900", dry day, bc early even., o late even.
17.4	9.5	9.8	rr 0515"-0700", rr 0700"-0830", rr 0830"-obs./rr 0900"-1130", o morn./c aftn., ir 1615"-1700", iR 1740", ir 2000" & 2130"-2150"
19.5	11.5	10.8	bc-o mild dry morn./o morn., cloud breaking early aftn., b late aftn., long sunny spells 1410"-1950", c evening.
17.7	10.0	6.8	mild c morn./generally c morn., sunny 0900"-1120", o early aftn., wind strengthening, o misty late aftn., iR 1615", rr 1620"-1750"
18.3	12.0	9.9	breezy c morn., sunny 0600"-0810"/generally o/c breezy dry day, a few brief sunny spells 10"-13"
17.9	9.7	8.5	ir 0045"-0110", c morn., much high cloud & cum./c morn. & early aftn., sunny 1230"-1900"
17.6	9.3	6.7	o morn./o breezy morn., o breezy dry day.
15.8	13.3	13.3	rr 0720"-obs./o morn. & aftn., breezy, rr 0900"-1115", rr 1340"-1710", rr 1710"-1820", ir 1820"-1830", ir 0915"-2000", iR 2020", ir 2025"-2120", clear first part of night
15.1	8.6	6.3	sunny 0500"-0730", bc morn./c morn.; pr 1045", 1236", & 1430"; PR 1515"-1525"; c aftn., sunny spells 0915"-1900", bc evening.
15.2	6.9	3.8	sunny 0500"-0540", 0800"-0835", bc/c morn., very slight rain before obs./c morn., brief sunny intervals 0900"-1530", o/c aftn. & early even., bc 2115"
13.2	7.5	2.9	fresh o morn./o morn. & aftn. with light rain, ir 1050", ir 1350" & 1525", rr 1950"-2100"
16.9	11.2	8.8	o misty morn., drizzle/calm dry overcast day.
18.9	12.7	12.5	warm mostly o morn./o morn. & aftn., bc early even., sunny spells 1730"-1945", c late even., hazy.
23.0	9.0	5.0	fine bc morn., sunny 0530"-obs./bc morn., wind strengthening during morn., sunny 0900"-1950"
17.9	14.4	11.1	a little sunshine before obs./o morn. & aftn., rr 1220"-1515", ir 1610"-1845", o evening, rr 1845"-2150", rr 2150"-2345"
17.1	8.5	5.5	rr 0000"-0100", long sunny spells 0600"-0900", bc morn./bc morn., long sunny periods 0900"-1700", c aftn., o even., ir 1750", 1920" & 2210"
16.4	8.2	5.8	cool c morn./c morn., breezy bc aftn., slight rain at 1200", PR 1525"-1625", c early evening, bc late evening.
16.2	7.5	4.5	bc morn., much high cloud becoming cum. at obs./bc-o morn., sunny 0900"-1120", o aftn. with slight rain.
16.5	10.8	9.9	fresh o morn./o morn., mainly o aftn., very slight rain at 1630", o early even., c late evening.

19.99

JUNE

SNOW
OR
SLEET

SNOW
LYING
0900

SNOW
LYING
0"-24"

HAIL

THUNDER

FOG
0900

FOG
0"-24"

AIR
FROST

GROUND
FROST

GALE

JUNE 1999

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TOTAL RAINFALL 40.2 mm (1.58 ins.)

TOTAL SUNSHINE 126.9 hrs

MAX. TEMP. 23.0 C on 25th

MIN. TEMP. 3.5C on 5th

LOWEST MAX. TEMP. 12.5C on 6th

HIGHEST MIN. TEMP. 14.4C on 26th

MEAN MAX. 16.5C

MEAN MIN. 9.2C

MEAN TEMP. FOR MONTH 12.9C 12.85

MIN. GRASS TEMP. -0.1C on 8th

HIGHEST BAR. M.S.L. 1030.0 mb on 10th & 11th

LOWEST BAR. M.S.L. 997.5 mb on 4th

HIGHEST DAILY SUNSHINE 13.7 hrs on 25th

HIGHEST DAILY RAINFALL 9.1 mm on 26th

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1999 JULY	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND W.O. W.	RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE					DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1013.3	19.9	16.5	14.0	20	02	7	7	01	1	5.1	5.1	3.8	3.8	15.0	14.1
2	1012.2	20.5	18.3	16.9	16	02	7	7	02	1	5.1	10.2	2.7	6.5	15.8	14.0
3	1004.3	21.4	17.9	15.5	27	05	6	7	02	1	2.5	12.7	4.4	10.9	16.9	14.2
4	1004.2	21.3	17.5	14.7	25	09	8	7	03	1	0.4	13.1	6.4	17.3	17.0	14.3
5	1009.6	21.9	18.3	15.6	16	02	5	8	03	1	0.0	13.1	8.8	26.1	17.4	14.5
6	1015.7	22.2	15.1	14.3	20	02	8	6	02	1	0.2	13.3	2.3	28.4	18.0	14.7
7	1022.5	22.5	16.4	14.9	20	05	8	6	60	1	5.1	13.3	0.2	28.6	18.0	14.9
8	1030.7	22.4	17.3	15.6	20	05	8	7	02	1	0.0	13.3	10.5	39.1	17.7	15.0
9	1029.3	23.2	23.3	19.0	16	13	0	8	02	1	0.4	13.7	12.3	51.4	18.7	15.2
10	1028.8	24.2	18.4	17.3	14	02	8	5	02	1	0.0	13.7	0.0	51.4	19.3	15.4
11	1029.7	22.1	16.0	14.5	36	02	8	5	02	1	0.0	13.7	8.9	60.3	18.2	15.6
12	1025.2	22.9	15.9	15.3	36	02	7	5	01	1	2.4	16.1	7.1	67.4	18.6	15.8
13	1009.6	23.0	13.0	12.4	23	09	8	5	80	1	0.7	16.8	2.6	70.0	19.1	15.8
14	1008.2	22.0	13.0	11.5	20	09	7	7	60	1	1.3	18.1	7.1	77.1	17.8	15.9
15	1010.7	22.0	13.4	12.0	20	13	8	7	60	1	2.7	20.8	4.4	81.5	17.5	15.9
16	1015.2	21.8	15.5	13.4	23	09	7	7	02	1	0.5	21.3	4.1	85.6	17.4	15.9
17	1011.8	20.7	15.9	14.6	20	13	8	6	02	1	0.0	21.3	5.0	90.6	17.3	15.9
18	1012.8	21.1	14.7	13.8	00	00	8	3	40	0	9.1	30.4	0.0	90.6	17.5	15.8
19	1004.5	21.3	16.8	14.8	20	19	8	6	60	1	5.8	36.2	0.0	90.6	17.3	15.8
20	1000.2	21.6	15.4	13.8	23	19	7	8	02	1	2.3	38.5	1.3	91.9	17.1	15.7
21	1009.4	20.8	12.8	11.6	23	13	7	7	25	2	1.0	39.5	3.6	95.5	16.6	15.7
22	1024.3	20.7	13.5	11.0	36	05	7	8	02	1	0.0	39.5	7.7	103.2	16.0	15.6
23	1026.4	21.0	16.1	14.7	20	09	8	7	02	1	0.0	39.5	8.0	111.2	16.6	15.5
24	1022.4	21.7	17.2	15.7	27	05	8	7	02	1	0.1	39.6	1.7	112.9	17.2	15.5
25	1025.3	21.1	15.2	12.0	09	02	6	8	01	1	0.0	39.6	0.9	113.8	16.9	15.5
26	1028.7	20.4	16.2	13.5	07	02	1	8	02	1	0.0	39.6	15.2	129.0	16.4	15.5
27	1028.4	21.6	16.7	13.1	07	02	1	8	02	1	0.0	39.6	13.6	142.6	16.8	15.5
28	1026.9	22.1	17.2	13.7	09	05	4	7	02	0	0.0	39.6	13.1	155.7	17.3	15.6
29	1023.9	21.8	18.0	15.4	18	05	1	6	02	0	0.0	39.6	14.9	170.6	17.4	15.6
30	1018.8	22.5	18.6	15.6	16	02	4	6	02	0	0.0	39.6	9.6	180.2	17.7	15.7
31	1017.1	22.7	18.8	16.7	18	02	5	5	02	0	0.0	39.6	7.1	187.3	18.3	15.8
														(187.3)		

TEMPERATURE

JULY 1999

MAX.

MIN.

GRASS.
MIN.

REMARKS:

19.0	10.4	6.8	fine warm sunny morn, b-c morn, sunny 0545"-0800" & 0830"-obs./c morn, o/c after, early even, slight to moderate rain 1850"-2400"
22.2	13.5	13.8	ir 0000"-0155", warm sultry c morn, with slight mist/o morn, iR 1245", sunny 1030"-1130" & 1400"-1630", o after & even, ir 2145"-2240", iR 2240"
21.5	15.0	14.1	warm c morn./c morn, sunny intervals 1000"-1500" & 1740"-1830", iR 1420"-1430", iR 1605", o/c evening.
21.0	14.7	14.1	c-o morn./o/c morn, sunny intervals 1045"-1200" & 1230"-1530", iR 1600", sunny 1740"-2000"
23.5	13.4	11.1	fine b-bc morn./bc morn, long sunny periods 0900"-1310", bc after, sunny spells 1430"-1750", c evening.
20.6	13.4	11.7	thick mist during morn./c morn, o/c after, short hazy sunny spells 0930"-1500", o evening, ir 2110"-2120"
20.4	14.5	13.2	o morn, very slight rain at obs./o morn, rain at times, generally o day.
26.8	15.2	12.6	sunny 0500"-0540", warm o morn./c-b morn, b after & evening, sunny 1010"-2010", clear night.
26.7	12.8	10.0	hot b morn, sunny 0530"-obs./b morn, b-bc after, sunny 0900"-1840", dry day, o/c evening.
19.4	15.8	15.7	iR 0340", warm o morn./o morn. & after, slight drizzle 1230", o-bc evening, clear first part of night.
23.4	11.6	8.3	o mild morn./o-bc morn, b after, sunny 1000"-2000", clear first part of night.
23.9	13.2	8.6	o/c hazy morn./c-bc morn, bc after, sunny 0945"-1700", dry day.
17.7	12.6	12.6	rr 0610"-0850", o morn./o morn, brief sunny intervals 1215"-1900", a few showers in after, o/c evening.
17.7	10.7	10.6	r, r, 0450"-0615", c morn./PR 0925" & 1010", c-bc morn, sunny 1000"-1600", brief sunny intervals 1620"-1945", o/c late after & evening.
18.5	10.9	9.7	ir 0010", fresh o morn./c morn, PR 1035"-1050", PR 1250", pr. 1255"-1320", long sunny spells 1315"-1720", c after & even, ir 2050"-2110"
19.1	12.9	12.0	mild o/c morn./o/c morn. & after, breezy at times, brief sun 1015"-1230" & 15"-19", dry day, c late after & evening.
21.5	14.7	12.5	ir 0040"-0200", 0400" & 0455", o morn, breezy, drizzle/rain before obs./o morn, o-c after, long sunny spells 1200"-1615", brief sun 1700"-1930"
16.9	12.8	9.7	o morn./o morn, after & evening, dull day with continuous rain & drizzle.
18.0	14.2	14.1	o mild morn./o morn. & after, r, r, 1250"-1450", iR 1515", r, r, 1640"-1840", ir 1845", ir 1920"-2000", ir 2000"-2030", rr 2030"-2210"
17.1	13.5	12.7	ir 0350", brief sunny spells 0520"-0720", c breezy morn./breezy c morn, brief sun 1045"-1340", generally o and breezy day, slight rain in evening.
15.2	10.5	9.3	ir 0000"-0200", pr 0530", PR 0750", pr 0850"/o morn, ir 1200"-1230", slight mist, breezy, c after, PR 1620" & 1640", brief sunny spells 1030"-1700"
18.5	10.9	10.9	c morn./o morn, bc after, long sunny periods 1045"-2000"
23.2	11.5	8.5	mild o morn./bc late morn, hazy sunshine, breezy bc after, sunny 1100"-1930", bc-b evening.
17.3	13.8	11.6	warm o morn./o morn, breezy, misty late morn, ir 1300"-1340", sunny 1730"-1900"
18.0	11.4	8.6	o/c morn./o/c morn. & after, bc-b evening, brief sunny spells 1730"-2000"
20.9	8.3	5.7	b morn./b morn. & after, b evening, sunny 0900"-2000", clear night.
21.6	7.4	4.4	fine b morn, a little cirrus/b morn. & after, sunny 0900"-1900", b evening, some cirrus throughout day and evening.
19.2	10.1	6.1	b-bc morn./bc-c morn, sunny 0900"-1145", sunny 1300"-1915", hazy sunshine, much cirrus.
22.2	11.1	7.8	sunny 0530"-obs, b morn./b hazy morn, b after, with some cirrus, bc evening, sunny 0900"-1930"
25.4	8.8	6.6	bc morn, sunny 0630"-obs./hazy morn. with much thin high cloud, bc-c after, hazy, sunny 0900"-1830"
26.1	13.3	10.5	sunny 0715"-obs./bc hazy morn, bc after & early evening hazy, sunny 1100"-1800"

1999

JULY

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0"-24"

HAIL

THUNDER

FOG
0900FOG
0"-24"AIR
FROSTGROUND
FROST

GALE

JULY 1999

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2

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31

TOTAL RAINFALL

39.6mm (1.56ins)

TOTAL SUNSHINE

187.3 hrs

MAX. TEMP.

26.8°C on 8th

MIN. TEMP.

7.4°C on 27th

LOWEST MAX. TEMP.

15.2°C on 21st

HIGHEST MIN. TEMP.

15.8°C on 10th

MEAN MAX.

20.7°C

MEAN MIN.

12.4°C

MEAN TEMP. FOR MONTH

16.5°C 16.55

MIN. GRASS TEMP.

4.4°C on 27th

HIGHEST BAR. M.S.L.

1030.7mb on 8th

LOWEST BAR. M.S.L.

1000.2mb on 20th

HIGHEST DAILY SUNSHINE

15.2 hrs on 26th

HIGHEST DAILY RAINFALL

9.1mm on 18th

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19 ⁹⁹ AUGUST	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND		RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE				W.O.	W.	DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1015.4	22.8	18.8	15.5	18	13	4	7	02	0		0.7	0.7	12.5	12.5	18.7	16.0
2	1014.0	23.2	16.7	16.0	16	02	8	7	21	1		5.0	5.7	1.1	13.6	18.8	16.2
3	1011.6	22.9	16.9	16.4	00	00	8	6	63	2		0.5	6.2	2.3	15.9	18.5	16.2
4	1011.8	22.2	17.4	16.3	00	00	8	7	02	1		19.7	25.9	2.3	18.2	18.4	16.3
5	1009.2	22.3	15.5	15.1	05	02	8	5	61	2		0.2	26.1	1.1	19.3	18.5	16.3
6	1009.7	22.1	18.1	16.5	14	09	7	6	03	1		11.6	37.7	4.5	23.8	17.9	16.4
7	1008.0	22.0	15.7	15.4	09	09	8	5	63	2		1.3	39.0	0.1	23.9	18.4	16.4
8	1006.2	20.9	14.6	12.5	07	09	8	6	03	1		5.2	39.0	1.7	25.6	17.7	16.4
9	1007.5	19.4	13.0	11.3	07	09	8	7	02	1		0.0	39.0	1.4	27.0	17.4	16.4
10	1016.8	19.8	14.1	10.9	05	02	1	8	03	1		0.0	39.0	6.8	33.8	16.7	16.4
11	1019.5	20.0	14.5	12.4	00	00	8	6	02	1		0.2	39.2	0.1	33.9	16.7	16.2
12	1020.7	19.8	16.3	15.7	00	00	8	5	02	1		0.2	39.4	1.4	35.3	16.7	16.1
13	1010.7	20.1	17.1	15.9	18	01	8	7	52	1		6.5	45.9	0.1	35.4	17.1	16.0
14	1001.2	19.8	14.8	13.2	18	02	7	8	03	2		1.9	47.8	5.6	41.0	16.9	16.0
15	1005.9	19.5	14.5	11.2	25	05	2	8	03	1		0.0	47.8	9.6	50.6	16.6	16.0
16	1007.5	19.9	14.2	11.6	20	02	1	8	03	1		1.9	49.7	10.1	60.7	16.3	16.0
17	997.9	19.2	13.0	12.2	14	02	8	6	62	1		1.1	50.8	3.0	63.7	16.3	15.8
18	997.2	19.8	17.1	14.5	16	01	5	6	03	1		0.0	50.8	8.6	72.3	16.5	15.9
19	1012.8	19.9	16.1	13.4	00	02	8	8	03	0		0.0	50.8	5.1	77.4	16.6	15.9
20	1022.7	19.5	14.0	12.5	00	02	8	7	03	0		0.0	50.8	1.2	78.6	16.3	15.9
21	1026.7	18.9	15.0	12.3	00	02	2	8	02	0		0.0	50.8	9.1	87.7	16.2	15.9
22	1024.5	18.0	16.2	13.5	00	02	4	7	03	0		0.0	50.8	9.4	97.1	15.9	15.7
23	1020.6	19.2	15.0	12.9	05	05	7	6	01	0		0.1	50.9	2.4	99.5	16.0	15.6
24	1017.8	19.1	14.1	12.7	07	13	8	7	21	1		1.3	52.2	0.8	100.3	16.1	15.5
25	1010.3	19.2	15.0	14.5	09	02	8	5	51	2		3.9	56.1	0.3	100.6	16.1	15.5
26	1004.4	19.9	16.5	14.9	20	19	7	8	60	1		1.2	57.3	4.4	105.0	16.3	15.5
27	1016.4	20.0	14.0	13.1	20	05	8	6	60	1		0.0	57.3	4.7	109.7	16.5	15.5
28	1024.4	19.5	15.7	12.0	18	02	7	6	02	0		0.0	57.3	3.6	113.3	16.3	15.5
29	1016.1	19.5	16.5	14.5	20	05	8	5	60	1		7.6	64.9	2.8	116.1	16.4	15.5
30	1019.6	19.4	14.2	12.5	23	09	8	5	02	1		0.1	65.0	0.0	116.1	16.0	15.5
31	1019.9	19.6	15.4	14.8	23	05	8	5	51	1		0.1	65.1	1.8	117.9	15.9	15.5

TEMPERATURE

AUGUST 1999

PP-1

MAX.	MIN.	GRASS. MIN.	REMARKS:
23.7	13.4	9.8	b-bc morn, sunny 0540 ^h -obs./bc morn. & aftn., sunny 0900 ^h -1900 ^h , c evening, dry day.
21.5	13.8	11.2	iR 0645 ^h , ir. 0650 ^h -0850 ^h , O morn./mainly O morn. & aftn., some sun 1115 ^h -1150 ^h , rain at times.
20.2	15.3	15.3	O morn. with rain/misty sultry O morn., O aftn. close, r. 0900 ^h -1020 ^h , sunny intervals 1630 ^h -2000 ^h
22.3	13.1	10.0	O misty morn./O misty morn., O hazy early aftn., O/c late aftn. & hazy, sunny 1440 ^h -1610 ^h , dry day.
19.7	14.9	14.9	RR 0010 ^h -0240 ^h , thunder at 0100 ^h , rr 0240 ^h -0800 ^h with heavy bursts at 0430 ^h , 0540 ^h & 0755 ^h /ir. 0930 ^h & 1140 ^h , O aftn., c early even., sunny 16 ^h -1740 ^h , bc, late even.
21.6	12.6	10.4	bc-c morn./brief sunny intervals morn. sunny periods from late aftn. p. 21 ^h
17.8	15.4	15.4	rr 0.20-08.20/ dull c day ir 17.40-22.00
16.7	12.0 *	17.8	c, some brief sunny intervals/ sunny periods a.m.
16.6	11.9	17.0	O at obs./ mainly c or O, some brief sunny periods aftn.
24.6	6.0 *	16.7	sunny from 6.0 GMT. Maximum thermometer broken./sunny a.m. some brief sunny periods from bef. noon, low clouds constant, formation during the day.
16.4	10.0 *	11.8	cldy/ cloudy dull day, p. 10.30
20.2	11.8 *	17.2	ip. 6.10-6.40/ sunny periods before noon., otherwise dull & cldy.
19.6	14.9	19.3	ir. 22.10-23 ^h / 713.40, p. 15.20 dull day.
19.6	12.0	- **	rr 7.15-8.30, some sunny periods before obs./ p. 10.30, 12.15, 14.45, 15.15, p. 17.30, 19.30, scattered sunny periods all day.
18.5	9.7	7.5	sunny from ~6.00 am/cont. sunshine morn. sunny periods aftn. & even.
17.2	9.7	7.5	sunny before obs./ sunny periods all day, 13.40, p. 16.40
18.1	10.3	8.5	ir. 7.30-obs./ ir. until 9.40, p. 10.40, p. 12.45, 15.40, some sunny periods aftn. & even.
19.0	11.6	10.5	sunny period at obs./ warm sunny day.
17.9	7.9	7.7	mainly sunny from early a.m./sunny intervals 0900 ^h -1500 ^h , c-bc evening, b at 2200 ^h
16.8	9.7	5.2	generally c morn./ c morn., c aftn. & evening.
18.0	7.7	4.7	sunny 0730 ^h -obs./bc morn., sunny periods 0900 ^h -1100 ^h , long sunny periods 1300 ^h -1900 ^h , b even., clear at 2300 ^h
18.8 [†]	4.4	1.5	bc morn. much high cloud, sunny periods 0700 ^h -obs./bc morn., sunny 0900 ^h -1620 ^h , bc aftn.
17.5	11.1 ^{††}	8.1	O-c morn., sunny at obs./ O/c morn. & aftn., breezy aftn., brief sunny intervals 0900 ^h -1400 ^h , dry day.
17.7	13.9	11.5	dull O breezy cool morn./O breezy morn., O early aftn. with rain at times, light breeze, c late aftn. slight mist, hazy sunshine 1545 ^h -
19.7	13.6	13.0	ir 0130 ^h -0140 ^h , do do 0140 ^h -obs., O drizzly morn./do do 0900 ^h -1020 ^h , iR 1020 ^h -1035 ^h , id. 1035 ^h -1115 ^h , iR 1200 ^h , 1255 ^h & 1745 ^h , O humid aftn., drizzle at times
19.9	14.5	11.3	mild c-O morn./c aftn., O even., ir 2000 ^h -2010 ^h , ir 2010 ^h -2045 ^h , ir 2045 ^h -2055 ^h , sunny intervals 1030 ^h -1700 ^h
20.1	11.0	8.3	c-O morn./c-O morn., slight rain at times, O/c aftn., long sunny spells 1330 ^h -1830 ^h
18.3	10.3	6.0	O/c morn., slight sun before obs./bc morn., sunny 0930 ^h -1115 ^h , c aftn., brief sunny intervals 1300 ^h -1845 ^h , b even. much cirrus.
17.6	13.8	10.5	O/c morn./ O morn., iR 0930 ^h -1000 ^h , rr 1000 ^h -1140 ^h , sunny 1300 ^h -1540 ^h
15.6	10.8	8.5	O dull morn./ O morn., O misty aftn., dry day.
19.7	13.9	12.9	r. 0620 ^h -0730 ^h / brief sunny intervals 1115 ^h -1710 ^h

*: Air min. temperature estimated from thermogram.

*: bubbles in grass min. thermometer - shaken and put back.

†: checked serial no. of max. thermometer: 55664/90

††: checked serial no. of min. thermometer: 71652/96

!: tempered with before observation.

1999

AUGUST

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0"-24"

HAIL

THUNDER

FOG
0900FOG
0"-24"AIR
FROSTGROUND
FROST

GALE

AUGUST 1999

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TOTAL RAINFALL

65.1 mm (2.56 ins)

TOTAL SUNSHINE

117.9 hrs

MAX. TEMP.

24.6°C on 10th

MIN. TEMP.

4.4°C on 22nd

LOWEST MAX. TEMP.

15.6°C on 30th

HIGHEST MIN. TEMP.

15.4°C on 7th

MEAN MAX.

19.1°C

MEAN MIN.

11.6°C

MEAN TEMP. FOR MONTH

15.4°C 15.38

MIN. GRASS TEMP.

1.5°C on 22nd

HIGHEST BAR. M.S.L.

1026.7 mb on 21st

LOWEST BAR. M.S.L.

997.2 mb on 18th

HIGHEST DAILY SUNSHINE

12.5 hrs on 1st

HIGHEST DAILY RAINFALL

19.7 mm on 4th

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1999 SEPTEMBER	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND		RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE				W.O.	W.	DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1020.0	20.4	18.4	17.2	23	09	8	4	02	0		0.0	0.0	0.0	0.0	16.4	15.5
2	1020.5	20.4	16.2	14.9	23	13	8	5	02	0		0.0	0.0	3.5	3.5	16.8	15.5
3	1019.4	21.1	18.8	16.1	23	09	4	6	01	0		tr	0.0	4.1	7.6	16.9	15.6
4	1021.8	21.5	19.3	18.0	20	02	8	6	51	0		0.0	0.0	0.6	8.2	17.4	15.6
5	1017.2	21.5	20.3	18.6	20	02	8	5	02	0		2.1	2.1	2.0	10.2	17.6	15.7
6	1009.1	21.8	18.1	17.1	20	09	8	5	61	2		38.7	40.8	0.0	10.2	17.8	15.7
7	1006.9	20.5	13.4	12.0	23	13	2	8	01	1		2.1	42.9	9.2	19.4	17.1	15.9
8	1001.5	20.0	17.6	14.8	16	24	8	7	60	1		11.4	54.3	2.0	21.4	16.8	15.9
9	1019.9	19.0	13.2	10.1	20	19	1	8	02	1		0.0	54.3	11.1	32.5	15.7	16.0
10	1020.7	*	14.1	*	*	*	6	*	02	1		13.6	67.9	2.0	34.5	15.8	15.9
11	1009.6	19.4	12.8	12.1	00	00	8	5	65	2		6.7	74.6	1.2	35.7	15.9	15.7
12	1013.1	17.5	8.8	8.4	00	00	3	8	02	1		4.5	79.1	4.5	40.2	14.9	15.6
13	1007.8	17.0	11.4	9.9	20	13	4	6	03	1		0.7	79.8	8.4	48.6	14.4	15.5
14	1014.6	16.7	11.7	10.0	20	05	1	8	02	1		0.0	79.8	10.8	59.4	14.1	15.3
15	1011.0	17.8	14.9	12.9	16	13	7	8	02	1		12.0	91.8	1.0	60.4	14.4	15.1
16	1001.6	18.4	11.8	11.4	20	09	7	7	01	1		tr	91.8	6.3	66.7	15.0	15.0
17	998.6	17.9	12.4	10.6	23	05	7	7	02	1		3.9	95.7	7.9	74.6	14.7	15.0
18	988.9	17.7	14.5	13.4	11	24	8	5	63	2		11.7	107.4	1.1	75.7	14.6	15.0
19	992.1	17.6	13.8	13.0	07	05	8	7	02	1		8.0	115.4	0.5	76.2	14.8	14.9
20	989.7	17.8	14.3	14.0	34	05	8	5	65	2		24.2	139.6	0.0	76.2	14.8	14.9
21	986.9	17.5	12.5	11.9	20	13	8	6	61	2		0.1	139.7	2.7	78.9	14.8	14.9
22	997.0	17.5	14.4	13.6	07	05	6	7	01	1		3.0	142.7	2.6	81.5	14.3	14.8
23	993.9	18.0	15.7	14.0	09	05	4	7	21	1		2.3	145.0	5.5	87.0	14.7	14.8
24	1000.4	18.6	14.2	12.9	23	13	5	7	01	1		1.1	146.1	3.2	90.2	15.0	14.7
25	1004.9	17.4	13.1	11.8	18	02	8	6	02	1		3.1	149.2	0.2	90.4	14.6	14.8
26	1003.6	17.2	12.1	11.0	00	00	8	8	02	1		1.4	150.6	3.5	93.9	14.4	14.7
27	995.2	17.7	11.9	11.4	07	02	8	6	21	2		tr	150.6	4.4	98.3	14.4	14.6
28	1000.3	17.8	10.3	9.9	18	02	7	7	03	1		5.2	155.8	1.4	99.7	14.0	14.6
29	989.5	19.7	13.7	12.4	20	05	7	7	02	2		0.1	155.9	5.8	105.5	13.9	14.5
30	997.3	21.2	11.3	10.1	25	09	7	8	25	1		3.0	158.9	1.4	106.9	14.4	14.5
31																	
* NOT	NOTED																

TEMPERATURE

SEPTEMBER 1999

MAX.	MIN.	GRASS. MIN.	REMARKS:
20.9	16.4	15.3	warm morn. / warm dry O day.
21.0	15.2	11.6	mild O morn. / long sunny spell 1430"-1845"
21.4	15.6	11.8	sunny 0630"-0725" & 0810"-0900", warm / brief sunny intervals 0900"-1200", 1430"-1520" & 1745"-1800"
21.4	17.2	16.5	O warm morn. / O morn., O/c late morn. & early aftn., O late aftn.
23.4	17.9	16.5	O warm humid morn. / O/c morn. & aftn., c late aftn. & early even., iR 2025"-2030", iR 2345"
18.0	17.1	16.3	r _o during morn., O warm morn. / O dull rainy morn., iR 0900"-0950", iR 0950"-1030", iR 1030"-1120", RR 1120"-1220", RR 1220"-1320", RR 1320"-1530"
18.9	12.1	10.1	c-b fresh morn. / bc morn. & aftn., long sunny periods 0900"-1810", dry day.
19.7	12.2	8.4	iR 0430"-0515", r _o r _o 0550"-0730", O breezy morn. / O windy morn. & aftn., iR 1230", RR 1245"-1350", RR 1350"-1530", wind easing late aftn., clear even. & night
18.3	9.3	5.9	fresh b morn. / b-bc morn., sunny day till 1830"
19.1	10.8	*	sunny 0650"-obs. / c morn. & aftn., c early even., dry day.
13.2	11.4	7.6	dull O rainy morn., r _o r _o 0200"-0315", RR 0530"-obs. / rr 0900"-1050", iR 1050"-1135", iR 1135"-1250", iR 1215"-1220", O morn., O-c aftn., c-bc evening.
14.7	5.1	1.1	bc morn., much high cloud, misty / bc morn. c-O aftn., sunny 0900"-1230", O-bc evening, iR 1540"-1605", iR 1605"-1615", iR 1615"-1705", r _o r _o 1705"-1830"
14.7	6.4	2.6	bc misty morn. / c morn., c-b aftn., sunny intervals 0900"-1515", PR 1455", sunny 1530"-1820", bc evening.
16.6	6.9	3.0	c-b fresh morn., sunny 0715"-obs. / b-bc morn., bc aftn., sunny 0900"-1815", bc-b even., clear at 2330"
16.7	10.7	7.4	breezy c morn. / c morn., O windy aftn. & early evening, drizzle 1800", iR 2225"-2245"
17.1	11.8	11.9	iR 0030"-0150", iR 0345"-0400", iR 0500"-0520", iR 0615", O morn. / O morn., c-bc aftn., c-b evening, sunny 1100"-1730", b 2230"
17.3	9.9	7.6	fresh c morn. / c morn., c-bc aftn., iR 1520"-1535", long sunny spells 0900"-1815", thunder 1715", stormy overnight
17.0	10.9	7.9	O windy morn., rr 0530"-obs. / iR 1150"-1215", O morn., rr 1240"-1350", iR 1430"-1515", O-c aftn., iR 2150"-2245", iR 2300"-2330", iR 2330"-2350", sunny 1530"-1630"
16.0	12.7	12.4	iR 0250", rr 0330"-0530", r _o r _o 0530"-0740", O morn. / O/c morn., iR 1130"-1140", iR 1210", c-bc even., sunny interval 1730"-1800"
16.0	12.1	8.7	rr 0450"-obs., dull O morn. / O morn., RR 0900"-1030", rr 1030"-1230", r _o r _o 1230"-1410", iR 1430"-1440", dull O day.
17.5	12.4	12.0	r _o r _o 0000"-0100", iR 0100"-0830", rr 0830"-obs., dull O morn. / O morn., O-bc aftn., sunny spells 1430"-1730", bc evening.
17.5	8.6	6.7	fine c-bc morn. / O/c morn., sunny 0900"-1045", O/c aftn., slight rain 1430", iR 1830", iR 1835"-1915", iR 2225" & 2305"
18.1	12.4	9.5	iR 0010", c-bc morn., iR 0745", iR 0745"-0755" / iR 1115" & 1310", c/bc aftn., iR 1740"-1830", long sunny spells 0900"-1530"
18.2	13.0	11.8	iR 0100"-0130", c-bc morn. / bc-c morn., slight rain 1200", sunny 0900"-1045", brief sunny intervals 1200"-1450", iR 1500"-1540", bc evening.
15.0	8.7	6.1	O morn. / O/c morn., aftn. & early evening, iR 1800"-1815"
16.3	9.0	4.8	c morn. / c morn. & aftn., sunny intervals 1150"-1700", iR 1620"-1625"
16.6	8.6	5.6	iR 0750"-0800", dull O ^{misty} morn. / O-c morn., c-bc aftn., long sunny spells 1130"-1700", mainly b even., clear night.
13.7	7.2	5.3	b-bc morn., cirrus developing, slight mist / O/c morn., iR 1300", iR 1500"-1700", O aftn., mainly O even., iR 1820" & 1955", bc 2200", iR 2230"-2235", iR 2235"-2300"
18.5	10.8	10.7	iR 0410", 0610", & 0655", O-c mild morn., sunny 0800"-obs., cirrus / c morn., bc-c aftn., sunny intervals 0900"-1715"
12.6	10.7	6.7	pr 0830", c morn. / c-O morn., O-c aftn., little sun 0920"-1000", iR 1140"-1500", iR 1545"-1550", iR 1750" & 1825", sunny intervals 1515"-1650"

19.99

SEPTEMBER

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0ⁿ-24ⁿ

HAIL

THUNDER

FOG
0900FOG
0ⁿ-24ⁿAIR
FROSTGROUND
FROST

GALE

SEPTEMBER 1999

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TOTAL RAINFALL

158.9mm (6.26 ins)

TOTAL SUNSHINE

106.9 hrs

MAX. TEMP.

23.4°C on 5th

MIN. TEMP.

5.1°C on 12th

LOWEST MAX. TEMP.

12.6°C on 30th

HIGHEST MIN. TEMP.

17.9°C on 5th

MEAN MAX.

17.5°C

MEAN MIN.

11.4°C

MEAN TEMP. FOR MONTH

14.5°C 14.45

MIN. GRASS TEMP.

1.1°C on 12th

HIGHEST BAR. M.S.L.

1021.8mb on 4th

LOWEST BAR. M.S.L.

986.9mb on 21st

HIGHEST DAILY SUNSHINE

11.1 hrs on 9th

HIGHEST DAILY RAINFALL

38.7mm on 6th

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19 ⁹⁹ OCTOBER	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND W.O. W.	RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE					DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	995.0	20.2	9.7	8.7	20	13	8	5	61	2	2.9	2.9	0.0	0.0	13.5	14.5
2	991.0	18.9	9.2	7.9	07	09	6	5	02	2	1.7	4.6	5.9	5.9	12.4	14.5
3	1009.0	19.0	11.1	9.0	20	09	3	5	03	1	0.7	5.3	5.8	11.7	12.2	14.2
4	1020.5	18.9	8.0	7.1	20	05	6	8	03	1	0.2	5.5	6.4	18.1	11.8	14.0
5	1027.4	17.6	6.9	5.5	23	02	7	8	02	1	0.0	5.5	6.8	24.9	11.5	13.9
6	1027.3	17.8	10.3	8.6	23	0	7	7	02	1	0.1	5.6	4.7	29.6	11.6	13.6
7	1023.0	19.8	10.6	9.5	20	09	8	7	02	1	3.2	8.8	0.0	29.6	12.2	13.4
8	1019.3	19.9	13.9	13.3	23	13	8	6	51	2	1.5	10.3	0.0	29.6	12.6	13.4
9	1018.9	20.1	14.4	13.9	14	13	8	5	02	2	0.0	10.3	0.4	30.0	13.2	13.4
10	1017.2	20.1	14.5	12.9	23	19	8	6	02	1	tr	10.3	2.8	32.8	13.8	13.4
11	1026.2	19.5	7.6	6.4	23	02	7	7	03	1	0.0	10.3	5.6	38.4	12.8	13.4
12	1029.7	19.2	8.3	7.3	23	05	4	7	02	1	0.0	10.3	7.4	45.8	12.1	13.5
13	1030.0	19.6	9.7	8.1	23	09	7	7	02	1	0.0	10.3	0.1	45.9	11.7	13.4
14	1030.0	20.0	12.7	11.9	14	02	7	7	02	1	0.0	10.3	0.1	46.0	12.3	13.3
15	1022.3	19.9	10.3	9.9	05	05	7	6	03	1	1.0	11.3	2.7	48.7	12.4	13.2
16	1026.0	20.2	12.0	11.6	07	02	8	3	02	2	1.8	13.1	0.0	48.7	12.6	13.2
17	1025.5	19.9	12.4	12.0	07	02	8	3	02	2	tr	13.1	1.4	50.1	12.6	13.2
18	1021.2	19.7	10.9	8.5	07	13	5	7	03	1	0.0	13.1	7.8	57.9	12.4	13.2
19	1018.6	19.2	9.7	7.2	09	09	7	7	02	1	0.0	13.1	5.6	63.5	11.7	13.1
20	1012.3	17.8	8.9	6.4	07	13	6	7	03	1	0.5	13.6	2.4	65.9	10.9	13.0
21	999.5	18.6	9.5	7.9	07	24	8	6	02	2	2.5	16.1	0.0	65.9	10.9	12.9
22	1004.6	19.2	11.8	10.7	09	09	2	6	02	2	2.8	18.9	6.4	72.3	10.9	12.7
23	983.9	19.9	11.9	11.5	05	05	8	5	61	2	4.6	23.5	0.9	73.2	11.4	12.5
24	981.8	18.9	7.6	7.4	02	02	7	4	02	2	0.1	23.6	2.8	76.0	11.3	12.5
25	992.8	18.9	10.9	10.3	23	02	8	5	02	2	1.7	25.3	0.6	76.6	11.2	12.5
26	1014.5	18.7	10.2	9.1	23	05	8	7	02	1	tr	25.3	0.9	77.5	11.3	12.4
27	1016.7	19.6	11.0	9.4	23	13	8	7	02	1	1.3	26.6	0.0	77.5	11.4	12.4
28	1021.4	19.3	7.7	6.7	23	02	2	7	02	1	tr	26.6	6.1	83.6	11.2	12.3
29	1024.4	17.8	8.9	7.9	20	13	3	7	02		0.3	26.9	2.8	86.4	10.4	12.3
30	991.5	17.5	14.6	13.1	23	19	8	4	02	1	2.8	29.7	0.7	87.1	11.1	12.3
31	1006.7	16.0	10.5	8.4	02	19	1	7	02	1	0.8	30.5	5.5	92.6	10.7	12.1

TEMPERATURE

OCTOBER 1999

MAX.

MIN.

GRASS.
MIN.

REMARKS:

11.6	8.5	5.9	dull o morn, r, r. 0820-obs./r, r. 0900-1020, o morn, o blustery after, iR 1445"-1500"
12.5	4.9	3.1	bc morn, ir, morn./ir 1120"-1225", c morn, bc breezy after. -wind 32, ir 1725" & 1800", sunny periods 0910"-1100" & 1300"-1700"
12.9	6.8	4.5	ir, 0310"-0450", bc morn./bc/c breezy morn, sunny periods 0900"-1700", bc after. blustery showers, bc evening.
13.5	3.8	0.7	mainly b morn, sunny 0815"-obs./bc morn, ph. 1143", pr 1340", long sunny spells 0900"-1545"
12.6	3.0	0.1	cool c morn./mainly c morn, long sunny periods 0930-1700, parhelion to east of sun 1603, much cirrus during after.
15.2	4.3	1.1	c morn / sunny 1100-1500, bc after
14.0	9.3	7.5	c-o morn, slight mist / o morn, ir 1220 & 1515. r, r. 1825-2400
14.7	10.7	10.4	ir 0000-0010, r, r. 0010-0510, ir 0530-0540, o drizzly morn/c after, ir 1240-1500, ir 1555-1610, drizzle.
17.0	12.9	12.1	dull o morn, slight drizzle at times / mainly o after and early even.
14.8	13.8	12.4	c-o morn / ir 1130-1135. bc after, sunny spells 1335-1700, b early even. bc late even.
13.6	5.2	0.1	cool c morn / o late morn, sunny 1000-1420, o3 at 1430, bc after, sunny spells. bc even.
14.2	4.9	1.2	cool bc-c morn, sunny / bc after, sunny. c even.
13.8	6.5	2.1	c morn / o3 at 1100. c after, c even.
14.4	9.9	9.5	c morn, calm / c-o after. c-o even.
14.4	8.6	4.1	o-c morn, misty / misty until 1100. bright after, sunny spells. o even, id 2345-2400
12.8	10.5	8.0	o morn / id 1200-1210, id 0150-0910
14.1	11.0	10.6	c-o morn, sunny periods / o after. o even.
12.4	8.6	6.2	bc morn, cool breeze / bc after, sunny, breezy. bc early even. b late even.
12.0	6.5	1.6	c morn, cool, bright / becoming windy 1015. bc-c after, 19 wind, sunny. bc early even, calmer. o late even.
10.1	6.8	1.9	c morn, cool, breezy, sunny spells / o late morn. c after, breezy. c-o even., ir 2215-2225
11.7	8.8	5.4	id 0250-0315, o morn, breezy / ir 1150-1200. o after, breezy, do do 1415-1550. o even do do 2230-0155
15.4	8.8	6.1	b morn, sunny / c early after, breezy. bc late after
13.3	10.4	6.6	c morn, short sunny spells / rr 0933-1100, id 1100-1210, c after, bright spells, id 1235-1320, id 1320-1330. b late even
14.0	5.4	3.6	o-c morn, misty / o-bc after, sunny. bc even. b late even, calm
13.5	7.6	4.8	c-o morn / rr 0900-1010, calm. c-o after, bright spells. c even, calm
13.2	8.9	4.4	c-o morn, cool / sunny spells late morn. o after, mild, bc-c even
13.3	10.0	7.9	o morn, cool, breezy / wind increase late morn. o after, breezy. id 1820-1835, id 1920-2010, id 2010-2020, b late even
12.8	6.4	3.2	b morn, sunny / b after, sunny. b-bc even, cool.
15.1	5.9	1.3	b-bc morn, sunny / o late morn. o after. o-c even, id 2345-0020
15.0	8.8	7.0	o morn, windy / rr 0927-1115. o even, windy
14.2	8.0	4.9	o-bc morn, some sun, windy / bc early after, sunny. c late after, windy. id 1800-1810. b late even, windy

1999

OCTOBER

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0^h-24^h

HAIL

THUNDER

FOG
0900FOG
0^h-24^hAIR
FROSTGROUND
FROST

GALE

OCTOBER 1999

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TOTAL RAINFALL 30.5mm (1.20 ins)

TOTAL SUNSHINE 92.6 hrs

MAX. TEMP. 17.0°C on 9thMIN. TEMP. 3.0°C on 5thLOWEST MAX. TEMP. 10.1°C on 20thHIGHEST MIN. TEMP. 13.8°C on 10th

MEAN MAX. 13.6

MEAN MIN. 7.9

MEAN TEMP. FOR MONTH 10.7°C

MIN. GRASS TEMP. 0.1°C

HIGHEST BAR. M.S.L. 1030.0 mb on 13th & 14thLOWEST BAR. M.S.L. 0981.8 mb on 24thHIGHEST DAILY SUNSHINE 7.8 hrs on 18thHIGHEST DAILY RAINFALL 4.6 mm on 23rd

OCT. 1999.

MEAN TEMP FOR MONTH MISCALCULATION.

INCORRECT CALCULATION → 10.5°C

CORRECT CALCULATION → 10.7°C

RECORDS ADJUSTED.

1999 November	BAR.	ATT. THER.	DRY	WET	SUNSHINE								EARTH TEMPERATURE			
					DIR.	FORCE	CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND W.O. W.	DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	994.4	16.1	10.2	9.2	23	09	7	7	02	2	0.8	0.8	3.3	3.3	10.7	12.1
2	1012.5	18.6	6.5	5.0	20	19	1	8	02	1	0.0	0.8	6.3	9.6	10.0	12.0
3	1022.1	18.2	11.1	9.8	20	13	6	6	02	1	0.4	1.2	2.0	11.6	10.3	11.9
4	1011.0	17.2	11.9	10.0	20	24	7	7	03	2	25.8	27.0	0.0	11.6	10.7	11.8
5	989.2	16.8	8.0	7.8	23	02	7	5	53	1	5.2	32.2	1.3	12.9	10.5	11.8
6	1019.6	15.9	6.0	4.5	23	02	4	7	02	2	0.4	32.6	5.1	18.0	9.5	11.7
7	1022.1	14.8	10.3	9.5	32	13	8	5	02	2	0.6	33.2	0.8	18.8	9.3	11.6
8	1030.0	15.2	10.9	10.3	23	02	8	6	52	2	0.2	33.4	0.0	18.8	10.1	11.5
9	1041.6	18.7	6.2	5.8	09	02	7	7	02	1	0.0	33.4	0.1	18.9	9.7	11.4
10	1044.1	16.8	7.4	6.4	23	02	6	7	02	1	tr	33.4	2.5	21.4	9.7	11.4
11	1043.4	15.5	6.4	5.9	∞	∞	8	5	02	1	0.0	33.4	0.0	21.4	9.4	11.3
12	1037.1	15.9	7.0	6.1	05	02	8	6	02	1	0.0	33.4	0.0	21.4	9.5	11.2
13	1033.2	18.7	8.7	8.3	05	05	8	4	02	1	0.0	33.4	0.0	21.4	9.7	11.1
14	1030.8	16.6	6.4	5.8	34	02	7	5	01	1	0.3	33.7	0.5	21.9	9.4	11.1
15	1024.1	16.1	8.2	7.6	29	05	6	7	02	2	0.0	33.7	3.7	25.6	9.6	11.0
16	1020.0	15.0	3.9	2.9	25	02	1	7	02	1	0.5	34.2	4.0	29.6	9.1	11.0
17	1022.8	17.7	4.9	3.9	25	02	6	7	02	2	5.9	40.1	0.0	29.6	8.4	10.9
18	1017.8	17.5	3.9	3.7	05	02	1	7	02	2	0.1	40.2	1.9	31.5	8.4	10.8
19	1029.6	16.8	3.9	1.9	05	02	1	7	02	2	0.0	40.2	4.8	36.3	7.7	10.7
20	1032.5	16.0	0.8	0.3	20	02	5	7	02	4	0.0	40.2	3.9	40.2	6.8	10.5
21	1024.0	16.1	1.4	0.9	23	02	4	7	02	4	0.2	40.4	0.6	40.8	6.5	10.3
22	1016.9	16.9	4.2	3.6	23	05	2	7	02	2	0.5	40.9	1.3	42.1	6.7	10.1
23	1015.2	17.9	10.2	8.6	23	13	8	6	03	2	1.8	42.7	0.2	42.3	7.4	9.9
24	1011.2	18.9	8.8	8.2	23	05	7	7	51	2	0.5	43.2	2.9	45.2	8.3	9.8
25	1017.7	17.8	7.7	6.9	20	13	8	5	02	1	6.8	50.0	0.0	45.2	8.2	9.8
26	1001.2	17.3	5.8	5.1	23	13	8	6	63	2	2.4	52.4	2.8	48.0	8.7	9.8
27	1012.3	16.9	4.5	3.7	20	13	4	7	02	2	22.4	74.8	0.2	48.2	7.7	9.8
28	995.8	17.8	11.0	10.2	23	24	8	6	63	2	2.8	77.6	0.0	48.2	8.2	9.8
29	1019.8	15.9	3.0	2.1	23	05	6	7	02	1	tr	77.6	4.2	52.4	7.7	9.7
30	1014.7	17.7	11.7	10.3	23	30.	8	6	02	1	2.1	79.7	0.0	52.4	7.6	9.7
31																

TEMPERATURE

REMARKS:

MAX.	MIN.	GRASS. MIN.	REMARKS:
13.0	8.2	8.0	c morning / rr 0900-1005. bc bright late mom. ir 1340-1350, sunny aftr. b even.
12.1	5.1	1.7	b mom, cool / b aftr., sunny, breezy. bc - c even.
14.1	6.4	4.1	c mom, breezy / bc late mom., sunny spells. sunny spells early aftr. id 1625-1630. b late even.
13.1	10.7	8.6	id 0455-0510 + 0600-0610. c mom, windy / wind approaching gale force late mom. o aftr. and even., prolonged rain mostly rr 1530-0900
9.2	7.7	6.5	o rainy mom., calm. / rr 0900-1325. o aftr., calm. ir 1735-1830. late aftr., sunny. cool b even.
10.9	3.7	-0.5	bc mom, cool, calm. / sunny late mom., sunny early aftr. clouding over. o even, cold.
12.9	5.1	0.0	o mom. / ir 1135-1145 + 1210-1220. c early aftr., sunny mid aftr., calm. c even.
12.3	10.3	7.7	o mom, calm / id 0900-0912. o aftr. cool even.
10.4	2.7	-1.6	c mom, calm / bright spells late mom. c early aftr. b late aftr., calm. c even.
12.1	5.9	0.8	c mom, bright, cool / bc early aftr., sunny. c - o late aftr. b even.
8.9	2.9	-1.1	c - o mom, cold. o aftr., cold. o even, calm.
8.7	6.1	6.1	o mom, misty, calm, chilly. o aftr., calm. o even, chilly.
9.3	6.8	6.8	o mom, cold. c aftr., cold. c even, cool.
11.3	5.1	1.6	c mom / bc late mom, cool. bc aftr., some sunny bursts. c - o even.
10.8	6.2	5.4	c mom / bc late mom, sunny. c aftr., breezy early aftr. c even.
8.3	2.8	-0.8	b mom, cool / c late mom., id 1140-1200. pr 1525-1530 + 1610-1615, id 1735-1740, bc aftr. c even, overcast.
7.1	3.7	-0.3	c mom, cool / o early aftr., cool. 15.5 - rr 1525-2155. overcast even.
7.8	3.2	-0.6	Early mom - hemids not noted due to overcast. b mom at obs. c late mom. bc aftr., sunny. bc even.
8.1	1.4	-3.1	b mom, calm, sunny. / b aftr., sunny. bc even, cold.
8.2	-0.6	-4.2	bc mom, cool / bc late mom., sunny. bc aftr., sunny. c even, cold.
6.5	0.0	-5.1	c mom, cool / some sunny spells late mom. id 1300-1325, id 1438-1447, c aftr. bc late even.
10.3	1.2	-1.6	b mom, cool / id 1030-1035, sunny late mom. id 1300-1325, id 1438-1447, c aftr. bc late even.
11.4	3.9	1.5	o mom, breezy, mild / ir 0956-1000. c early aftr., becoming windy, b late aftr. late even, windy, cold.
11.3	8.6	6.4	del 0400-0500, ir 0500-0520, 15.5, 0755-0925, bc mom. / bc late mom., sunny. o aftr., ir 1625-1635. b early even, mild, c late even.
12.8	5.9	2.3	o mom, breezy / o late mom, light drizzle, ir 1150-1207. o aftr., light drizzle, blowy. rr 1810-1925. bc late even, gale, ir 2310-2325
8.8	5.7	4.9	RR - rr 0805-1025, o mom / c late mom, bright spells. bc aftr., sunny, windy. b late even, blustery.
12.1	3.4	0.2	bc mom, bright cold, breezy / o aftr., windy. c early evening, windy. rain late even, windy.
13.1	4.3	2.3	rr - RR 0000-1235. o mom, blowy / c late mom. sky clearing during evening. b late even, cold.
11.6	1.9	1.9	bc mom, chilly / sunny spells late mom. bc aftr., sunny spells. c even, cool, windy.
12.3	2.7	1.3	o mom, very windy / mostly o aftr., strong winds esp. late aftr., ir 1550-1610. b late even, windy.

AIR FROST & GROUND FROST SUMMARY

Nov. 1999.

Recordings omitted but now included are as follows:-

Air Frost - 20th

1999

NOVEMBER.

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0"-24"

HAIL

THUNDER

FOG
0900FOG
0"-24"AIR
FROSTGROUND
FROST

GALE

NOVEMBER 1999

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2

3

4

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TOTAL RAINFALL 79.7mm (3.14 ins)

TOTAL SUNSHINE 51.9 hrs.

MAX. TEMP. 14.1°C

MIN. TEMP. -3.4°C on 27thLOWEST MAX. TEMP 6.5°C on 21stHIGHEST MIN. TEMP 10.7°C on 4th

MEAN MAX. 10.6°C

MEAN MIN. 4.7°C

MEAN TEMP. FOR MONTH 7.7°C

MIN. GRASS TEMP. -5.1°C on 21stHIGHEST BAR M.S.L. 1044.1 on 10thLOWEST BAR M.S.L. 0989.2 on 5thHIGHEST DAILY SUNSHINE 6.3hr on 2ndHIGHEST DAILY RAINFALL 25.8mm on 4th

19 ⁹⁹ . DECEMBER	BAR.	ATT. THER.	DRY	WET	ANEOMETER		CLOUD	VIS.	PRESENT WEATHER	STATE OF GROUND W.O. W.	RAINFALL		SUNSHINE		EARTH TEMPERATURE	
					DIR.	FORCE					DAILY	TOTAL	DAILY	TOTAL	30cm.	100cm.
1	1018.9	18.3	6.5	4.7	25	19	2	6	02	1	0.7	0.7	2.1	2.1	8.1	9.7
2	1020.7	17.0	4.8	3.4	23	19	8	7	02	2	21.9	22.6	0.0	2.1	7.3	9.6
3	1020.5	17.4	5.3	3.2	27	24	7	7	03	2	2.6	25.2	3.0	5.1	7.5	9.0
4	1014.2	16.5	3.0	1.7	23	09	2	6	02	4	0.6	25.8	4.3	9.4	6.5	9.5
5	1026.6	15.8	3.0	2.1	20	02	8	6	02	4	2.0	27.8	0.0	9.4	5.6	9.4
6	1006.5	16.9	11.1	10.3	23	24	8	6	02	2	1.8	29.6	0.0	9.4	6.8	9.1
7	1002.3	17.2	4.7	3.3	23	13	3	7	03	1	4.2	33.8	3.2	12.6	7.1	9.0
8	987.6	17.0	7.8	5.7	23	24	3	7	03	2	15.8	49.6	2.6	15.2	6.4	9.0
9	980.4	20.6	5.8	5.2	23	09	4	5	02	2	0.1	49.7	1.2	16.4	6.5	8.9
10	1000.3	22.3	3.2	2.6	23	05	6	7	02	1	11.0	60.7	0.0	16.4	6.2	8.8
11	981.3	23.0	8.8	8.0	23	09	6	6	01	2	6.1	66.8	0.3	16.7	6.3	8.7
12	991.0	23.5	5.0	4.4	23	09	8	6	60	2	0.1	66.9	0.0	16.7	6.3	8.6
13	1000.3	23.2	6.8	0.4	23	05	4	5	02	1	0.0	66.9	0.4	17.1	6.0	8.6
14	1002.4	16.9	-0.2	-0.5	25	02	4	7	02	0	tr	66.9	2.8	19.9	5.1	8.5
15	1026.5	15.6	1.6	0.8	25	02	5	7	03	1	0.1	67.0	2.3	22.2	4.3	7.9
16	1027.6	16.3	4.4	3.5	23	09	7	7	02	1	5.9	72.9	0.3	22.5	4.1	8.2
17	1006.3	16.7	6.7	5.2	25	05	6	7	02	1	0.0	72.9	1.9	24.4	5.3	7.9
18	1015.1	16.0	-1.3	-1.8	16	02	7	7	02	0	0.0	72.9	0.1	24.5	4.8	7.9
19	1026.8	15.5	0.1	-0.5	16	02	8	7	02	0	tr	72.9	0.0	24.5	4.0	7.8
20	1025.0	15.1	2.5	1.1	11	05	8	7	02	0	5.3	78.2	0.0	24.5	4.0	7.6
21	1011.9	16.4	4.6	4.0	16	02	1	7	02	1	24.4	102.6	3.2	27.7	4.7	7.5
22	998.2	17.4	9.8	9.0	16	24	8	5	63	2	3.1	105.7	0.0	27.7	5.6	7.4
23	1003.0	17.3	4.7	3.5	18	13	2	7	02	1	4.9	110.6	0.0	27.7	6.1	7.4
24	987.8	17.2	5.9	4.1	23	19	2	7	02	1	22.1	132.7	0.4	28.1	6.6	7.4
25	977.9	15.9	1.4	0.8	23	19	5	7	03	2	3.6	136.3	1.2	29.3	5.3	7.4
26	979.2	15.2	2.8	2.0	23	09	5	7	02	1	5.2	141.5	1.5	30.8	4.8	7.4
27	990.3	15.0	1.6	1.2	23	02	4	7	02	2	0.7	142.2	0.0	30.8	4.4	7.4
28	1004.2	14.6	0.7	0.4	23	02	2	7	02	0	0.0	142.2	4.4	35.2	4.0	7.3
29	1018.4	15.0	1.9	1.4	09	02	3	7	02	0	8.8	151.0	3.9	39.1	3.5	7.1
30	1011.1	14.9	6.8	6.4	23	02	8	7	21	2	1.3	152.3	0.0	39.1	3.9	7.0
31	1014.7	16.0	7.7	7.3	23	09	8	6	02	1	1.3	153.6	0.0	39.1	4.8	6.8

TEMPERATURE

MAX.

MIN.

GRASS.
MIN.

REMARKS:

9.5	3.9	2.2	ir 0235-0320, o mom, breezy / bc late mom, early afn, calm. c-b even, cold.
11.3	3.4	-0.1	c mom, cold breezy / c afn, windy, cool, some slight rain. overcast even, r.s. - rr 1850-0000, windy, cold.
5.7	3.5	2.3	RR 0000-0250, gale winds early mom, c-bc mom / bc early afn, sunny, some sleet. some sleet late even, cold.
6.4	0.3	-1.5	bc mom, cold / bc early afn, cold breeze, ir 1405-1425. b early evening, cold.
11.4	0.4	-4.2	c mom, cold / c afn, breezy. c even, cloud blowing over, mild. cold late even, windy
11.9	0.7	0.9	windy early mom, c mom at obs, windy. r.s. 1000-1100, ir 1310-1315, some further slight rain, calm, mild afn. b late even.
8.5	2.2	0.8	bright before obs. bc mom, cool breezy / ir 1215-1230, bc afn, sunny periods, windy, cold. bc-b even, cool
7.6	0.8	0.7	strong winds, gales and rain in early hrs. bc mom at obs. o afn, strong winds / gales, rr 1535-2230. strong winds in even, cool.
8.2	2.4	2.3	bc mom, cool breezy / c afn, mild. bc even, cool.
8.8	2.7	-1.2	c mom, cool / c afn, mild, ir 1610-1645. RR 1900-2130. bc even, cool.
9.4	2.8	0.8	c mom / PH 1245-1300, r.s. 1435-1535, c afn. r.s. - rr 2010-0115, c even.
6.2	4.9	3.7	c mom, cold / c afn, cool. b even, cold.
1.9	0.3	3.7	c mom, cold, frost on grass / o afn, cold. c night, cold, frost overnight.
5.1	-1.6	-6.6	bc mom, bright, frosty / bc afn, cold, sunny. bright, cold, frosty -
4.8	-0.8	-7.9	bc mom, cool, frosty / milder late mom, sunny. bc afn, colder, sunny spells. bc even.
11.1	1.4	-1.9	c mom, cool, frosty / c afn, mild becoming windy. c even, windy, rr 1955-0000
7.5	4.2	2.1	bc mom, bright / sunny spells late mom. bc afn, sunny spells, cool. b late even, cool.
2.1	-1.8	-7.2	c mom, cold, frosty / c afn, cool. bc even, cold.
2.4	-2.6	-9.1	c mom, cold, frosty / c afn, cold. c-bc even, cold.
8.4	-0.2	-4.2	o mom, cold / c late mom, becoming windy. strong winds in afn. gales in even. r.s. 1820-0000
10.4	2.4	0.2	mostly rr 0025-0210. b mom, mild, sunny. c afn, cool. c even, r.s. - rr 1930-0000
10.4	4.3	-0.3	RR 0000-0140, rr 0140-1150. o mom, breezy / o afn, breezy, mild. bc even, cool
9.4	3.8	2.2	b mom, breezy / c late mom, windy. r.s. mostly 1420-2225. c afn, gales. b even, windy
7.3	4.4	2.5	b mom, breezy, cool / bc late mom, sunny spells, breezy. c afn, breezy. bc even, windy.
3.4	0.9	0.3	bc mom, cold / snow after obs. sunny spells late mom. bc afn, sunny spells. bc even.
5.6	0.5	-1.6	c mom, cold / sunny spells late mom. bc afn, sunny spells, ir 1420-1630. bc even, cool, ir 2300-2320
2.5	1.4	-1.0	ir 0155-0225, ir 0350-0430. bc mom, bright, calm / o afn, calm. b even, cold, frosty.
5.2	-0.2	-4.0	bc mom, cold, frosty / b late mom, sunny. b afn, sunny, cold, calm. b even, frosty.
6.6	0.4	-4.3	b mom, bright frosty / bc afn, sunny, cool, calm. bc even, cold.
8.4	1.8	-2.2	r.s. 0000-0900. c mom, mild / r.s. 0900-1015. c afn, mild, bright. bc even, cold.
10.3	4.9	-0.5	c mom, calm, mild / c afn, ir 1505-1540, ir 1720-1730. b even, cool.

N.B. -

DEC. 1999.

MEAN MIN CALCULATED INCORRECTLY

INCORRECT READING 2.1°C CORRECT READING 1.7°C MEAN TEMP. FOR MONTH - INCORRECT CALCULATION $\rightarrow 4.3^{\circ}\text{C}$
CORRECT CALCULATION $\rightarrow 4.5^{\circ}\text{C}$

RECORDS ADJUSTED.

Air Frost & Ground Frost Summary.

Dec. 1999.

Recordings omitted but now included:-

Air Frost - 15th, 19th, 20th, 28thGround Frost - 31st.

1999

DECEMBER.

SNOW
OR
SLEETSNOW
LYING
0900SNOW
LYING
0^h-24^h

HAIL

THUNDER

FOG
0900FOG
0^h-24^hAIR
FROSTGROUND
FROST

GALE.

DECEMBER.

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TOTAL RAINFALL 153.6 mm (6.05 ins)

TOTAL SUNSHINE 39.1 hrs

MAX. TEMP. 11.9°C on 6thMIN. TEMP. -2.6°C on 19thLOWEST MAX. TEMP. 1.9°C on 13thHIGHEST MIN. TEMP. 4.9°C on 12th & 31st

MEAN MAX. 7.3°C

MEAN MIN. 1.7°C

MEAN TEMP. FOR MONTH 4.5°C

MIN. GRASS TEMP. -9.1 on 19thHIGHEST BAR. M.S.L. 1027.6 mb on 16thLOWEST BAR. M.S.L. 977.9 mb on 25thHIGHEST DAILY SUNSHINE 4.4 hrs on 28thHIGHEST DAILY RAINFALL 24.4 mm on 21st