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Broom's Barn Weather 1983-84

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BROOM'S BARN WEATHER 1983-84

Latitude 52° 16' N; Longitude 0° 34' E; Altitude 75 m

	1984															
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
TEMPERATURE (°C)																
Mean screen maximum	14.2	10.0	7.7	6.2	5.8	7.3	12.7	12.9	18.8	21.2	23.2	16.9	14.9	10.6	7.9	13.2
Difference from average	0.0	+0.8	+1.1	+0.2	-0.4	-1.6	+1.1	-3.0	-0.3	+0.2	+2.1	-1.6	+0.7	+1.4	+1.3	0.0
Mean screen minimum	7.4	4.9	2.9	0.3	0.4	1.6	1.9	4.9	9.5	11.2	12.3	10.6	8.6	6.2	2.9	5.9
Difference from average	+0.2	+1.4	+1.2	-0.8	-0.5	-0.5	-1.8	-1.9	-0.2	-0.4	+0.7	+0.5	+1.4	+2.7	+1.2	+0.1
Soil at 10 cm	9.5	6.8	4.0	2.2	2.2	3.6	6.7	10.3	15.4	17.9	17.7	13.2	10.3	7.6	4.2	9.3
Dew point	7.9	5.5	3.4	1.0	0.7	2.3	2.6	5.4	10.7	11.9	13.8	10.6	8.9	6.6	3.8	6.5
No. of days with ground frost	6	6	13	21	17	18	17	7	0	0	0	0	1	2	13	96
RADIATION																
Sunshine (h per month)	129	39	58	91	75	36	221	125	194	213	193	87	115	53	79	1482
Difference from average	+20	-29	+11	+42	+13	-73	+81	-69	-7	+31	+17	-61	+6	-15	+32	-3
Mean daily radiation (MJ m ⁻² day ⁻¹)	6.36	2.69	2.06	2.96	4.24	6.14	16.20	13.45	18.04	18.03	14.98	7.83	6.39	2.67	2.13	9.42
Mean daily diffuse radiation (MJ m ⁻² day ⁻¹)	3.79	2.13	1.44	1.74	3.18	5.31	7.38	6.84	11.26	10.31	8.59	5.29	3.58	1.82	1.22	5.54
WIND (km day⁻¹)																
Wind run at 2 m	240	145	257	294	202	181	166	160	150	139	144	166	209	200	174	182
WATER (mm per month)																
Rainfall (5 inch gauge)	39	55	40	78	49	40	17	88	94	16	44	103	57	75	39	700
Difference from average	-11	-5	-13	+34	+15	-5	-28	+38	+43	-29	-9	+52	+7	+15	-14	+119
Rain days	15	10	16	20	12	17	6	9	12	10	8	19	12	16	19	160
Open water evaporation sunken tank	45	10	7	3	22	24	79	77	82	110	89	55	37	18	12	608
Difference from average	+8	-9	-3	-6	+7	-15	+17	-26	-40	-15	-31	-28	0	-1	+2	-136
Open water evaporation Class 'A' pan	47	11	11	5	14	27	89	77	96	123	110	55	42	17	10	665
Potential transpiration	25	7	2	3	10	25	64	65	93	98	85	40	26	5	0	514

NOTES ON THE TABLE

1. Except for potential transpiration, all quantities are measured.
2. Long period averages are: air temperature 1964-83; sunshine 1965-83; rainfall 1964-83; evaporation 1970-83.