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Broom's Barn Weather 1984-85

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BROOM'S BARN WEATHER 1984-85
 Latitude 52° 16' N; Longitude 0° 34' E; Altitude 75 m

	1985												Year			
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
TEMPERATURE (°C)																
Mean screen maximum	14.9	10.6	7.9	2.8	4.2	8.0	12.6	14.6	16.8	21.2	19.7	19.6	15.1	6.6	8.6	12.5
Difference from average	+0.7	+1.4	+1.3	-3.3	-2.0	-1.0	+1.0	-1.0	-2.3	+0.2	-1.5	+1.3	+0.8	-2.6	+1.9	-0.7
Mean screen minimum	8.6	6.1	2.9	-2.9	-1.5	1.2	4.7	6.8	8.5	12.1	10.9	10.7	7.4	1.0	4.7	5.3
Difference from average	+1.4	+2.6	+1.2	-3.3	-2.4	-0.9	+1.2	+0.2	-1.2	+0.5	-0.8	+0.6	0.0	-2.6	+2.9	-0.5
Soil at 10 cm	10.3	7.5	4.2	0.9	1.2	3.2	8.1	11.2	14.2	18.6	15.1	14.1	10.2	3.4	5.8	8.8
Dew point	8.9	6.6	3.7	-1.2	-0.9	2.2	4.8	7.9	9.3	12.9	11.6	12.0	8.8	1.4	5.2	6.2
No. of days with ground frost	1	2	13	26	21	18	5	3	0	0	0	0	9	19	4	105
RADIATION																
Sunshine (h per month)	115	53	79	43	89	95	147	145	163	233	183	137	132	103	35	1504
Difference from average	+6	-15	+32	-8	+27	-11	+3	-45	-38	+49	+6	-8	+23	+35	-14	+19
Mean daily radiation (MJ m ⁻² day ⁻¹)	6.39	2.67	2.13	2.63	5.22	7.86	12.86	13.89	16.91	18.14	13.86	10.25	6.40	3.70	1.70	9.48
Mean daily diffuse radiation (MJ m ⁻² day ⁻¹)	3.58	1.82	1.22	1.80	3.36	5.25	7.50	8.10	8.88	9.15	8.17	6.05	3.18	1.65	1.26	5.36
WIND (km day⁻¹)																
Wind run at 2 m	209	200	174	180	222	180	229	174	166	160	215	167	124	167	248	186
Difference from average	+13	-41	-79	-74	-13	-71	0	-31	-17	-13	+43	-26	-73	-72	-5	-29
WATER (mm per month)																
Rainfall (5 inch gauge)	57	75	39	47	9	49	34	62	87	39	50	15	13	42	72	519
Difference from average	+7	+15	-14	-1	-26	+6	-8	+9	+35	-4	-1	-41	-39	-20	+18	-74
Rain days	12	16	19	20	5	22	14	14	21	16	16	9	7	15	19	178
Open water evaporation sunken tank	37	18	12	6	7	22	59	65	83	114	90	68	39	20	14	590
Difference from average	0	-1	+2	-3	-9	-15	-4	-36	-36	-10	-28	-13	+2	+1	+4	-143
Open water evaporation Class 'A' pan	42	17	10	2	4	24	73	74	86	119	102	79	40	21	19	643
Potential transpiration	26	5	0	1	11	26	60	65	85	99	77	51	18	2	2	497

NOTES ON THE TABLE

1. Except for potential transpiration, all quantities are measured.
2. Long term averages are 1965-84 except evaporation—1970-84.