MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR JANUARY 2015

						0900GMT		Temperature			Soil temperatures (depth in cm)																Rain	Fr.	Pch
DD	N	dd	ff	ww	VV	Temp	RH	Max	Min	Gmin	5	10	20	30	50	100	E	SS	Rain	Sun	S	L	H	T	G	F	Press	hrs	hrs	Evap
01	8	22	09	20	96	8.7	93	12.6	-2.9	-2.6	4.9	3.8	3.6	4.2	4.9	7.5	10	0	1.7	0.0	0	0	0	0	0	0	1030.0	2.7	0.0	1.0
02	5	27	05	02	97	7.4	75	9.2	7.4	3.6	5.6	5.9	6.4	5.6	5.4	7.4	10	0	10.1	5.5	0	0	0	0	0	0	1030.0	5.6	0.0	1.4
03	8	09	05	50	96	4.9	97	6.0	1.8	-3.1	4.4	4.2	4.8	5.5	5.8	7.5	20	0	3.2	0.0	0	0	0	0	0	0	1020.0	4.0	0.0	0.2
04	9	00	00	45	02	-0.7	99	4.7	-1.2	-5.0	2.1	2.6	3.9	5.3	5.8	7.4	40	0	0.1	0.0	0	0	0	0	0	1	1037.0	0.0	7.7	0.1
05	0	18	02	02	96	4.7	95	9.4	-0.7	-0.1	4.3	3.9	4.4	5.1	5.6	7.4	10	0	tr	0.0	0	0	0	0	0	0	1031.0	0.0	0.0	0.7
06	8	18	02	02	96	8.8	89	10.0	4.7	4.1	7.0	6.1	6.0	5.8	5.9	7.3	10	0	0.0	2.2	0	0	0	0	0	0	1019.0	0.0	0.0	0.5
07	6	22	02	03	97	-1.0	87	11.3	-1.8	-4.5	1.6	2.3	4.1	5.7	6.0	7.3	40	0	7.9	0.0	0	0	0	0	0	0	1026.5	6.0	7.3	1.2
08	8	27	05	61	95	8.7	87	11.1	-1.0	-3.5	7.2	6.6	6.5	6.0	5.9	7.4	20	0	9.0	3.1	0	0	0	0	0	0	1018.5	5.5	0.0	0.7
09	7	27	13	02	97	10.8	84	15.4	6.0	1.9	7.7	6.8	6.5	6.3	6.3	7.3	20	0	0.4	3.1	0	0	0	0	0	0	1019.5	1.5	0.0	2.2
10	7	27	13	60	97	12.7	92	13.1	10.7	7.5	10.1	9.1	8.5	7.4	6.9	7.5	10	0	0.8	2.4	0	0	0	0	0	0	1010.0	1.2	0.0	1.6
11	1	27	05	02	97	4.5	76	9.5	2.7	-1.1	3.2	3.8	5.4	7.0	7.1	7.6	10	0	0.6	3.5	0	0	0	0	0	0	1024.5	1.2	0.0	1.6
12	8	22	13	02	97	10.0	78	12.1	4.5	0.7	6.7	6.2	6.5	6.6	6.7	7.7	10	0	13.9	0.0	0	0	0	0	0	0	1011.0	12.0	0.0	0.8
13	8	27	05	02	97	6.3	86	9.3	6.3	6.9	7.3	7.7	7.9	7.5	7.1	7.8	20	0	3.8	4.6	0	0	0	0	0	0	1012.0	2.0	0.0	0.7
14	7	27	02	02	97	2.3	81	10.8	1.9	-0.9	3.4	3.9	5.6	7.0	7.2	7.8	10	0	12.9	6.4	0	0	0	0	0	0	1016.0	7.8	0.0	1.5
15	6	22	09	01	97	6.7	83	8.7	2.3	-0.4	6.4	6.6	6.8	6.6	6.7	7.8	20	0	0.0	4.4	0	0	0	0	0	0	990.5	0.0	0.0	1.8
16	8	27	02	02	97	5.1	77	7.0	3.1	-1.5	3.9	4.0	5.0	6.4	6.7	7.8	10	0	tr	3.8	0	0	0	0	0	0	1004.0	0.0	3.1	0.7
17	5	22	02	03	97	-0.9	99	5.6	-3.1	-7.0	1.2	2.0	3.5	5.6	6.4	7.7	40	0	2.0	2.8	5	0	3	0	0	0	1014.5	3.8	10.1	0.5
18	8	34	02	02	96	2.8	87	3.8	-0.9	-1.5	3.3	3.3	4.1	5.1	5.6	7.5	10	0	0.1	1.2	0	0	0	0	0	0	1012.5	0.4	5.3	0.3
19	8	34	02	02	97	0.9	83	5.0	-2.2	-5.6	2.3	2.3	3.4	4.9	5.4	7.4	10	0	0.0	6.6	0	0	0	0	0	0	1016.0	0.0	3.6	1.1
20	5	18	02	05	96	-4.8	81	3.7	-5.0	-8.1	0.4	1.1	2.5	4.3	5.1	7.2	40	0	0.2	4.6	0	0	0	0	0	0	1012.5	0.5	10.5	0.7
21	8	13	09	02	97	3.1	91	4.1	-4.8	-7.4	2.7	2.4	3.0	4.1	4.7	7.0	10	0	0.0	0.0	0	0	0	0	0	0	1007.0	0.0	0.0	0.5
22	1	04	02	01	95	0.0	86	5.6	-1.3	-5.5	1.1	1.7	3.0	4.4	4.6	6.8	40	0	0.0	5.0	0	0	0	0	0	0	1020.0	0.0	11.2	0.6
23	6	18	02	05	96	-5.2	81	8.1	-6.0	-8.0	-0.2	0.9	2.2	3.8	4.6	6.7	40	0	3.7	6.4	0	0	0	0	0	0	1027.5	3.5	11.4	1.0
24	2	31	02	02	96	0.9	85	7.4	-5.2	-6.0	1.1	1.6	2.5	3.7	4.2	6.5	40	0	0.0	6.9	0	0	0	0	0	0	1025.5	0.0	0.0	0.7
25	7	27	02	03	97	0.8	86	9.3	-1.3	-5.4	1.0	1.0	2.2	3.6	4.2	6.3	40	0	0.4	0.2	0	0	0	0	0	0	1032.0	0.5	6.4	0.6
26	8	27	02	02	97	9.2	88	10.0	0.8	0.2	5.6	4.6	4.5	4.2	4.4	6.2	10	0	0.0	0.1	0	0	0	0	0	0	1023.5	0.0	0.0	0.8
27	7	31	02	02	97	4.4	85	8.9	3.1	-1.6	3.0	3.1	3.9	4.7	4.7	6.2	10	0	0.1	1.7	0	0	0	0	0	0	1029.5	0.3	0.0	0.9
28	8	22	05	02	97	9.8	91	10.1	4.4	1.5	6.1	5.2	5.1	5.1	5.0	6.3	10	0	3.3	1.8	0	0	0	0	0	0	1003.5	1.2	0.0	0.9
29	1	27	05	02	97	1.8	84	7.0	1.0	-1.9	1.2	1.8	3.4	5.0	5.1	6.4	10	0	2.1	4.2	5	0	4	0	0	0	989.5	1.0	0.0	0.7
30	6	31	09	03	97	2.0	81	7.1	1.0	-1.7	2.3	2.4	3.4	4.5	4.9	6.4	10	0	2.1	3.0	0	0	0	0	0	0	982.0	0.6	1.6	0.5
31	7	27	05	02	06	1.8	86	5.3	-1.3	-5.8	1.4	1.6	2.8	4.4	4.7	6.4	X1	<1	1.4	0.1	5	0	0	0	0	0	983.0	0.6	3.7	1.5
Monthly means						4.1	86	8.4	0.7	-2.0	3.8	3.8	4.6	5.3	5.6	7.1											1015.4			
Monthly totals																			79.8	83.6								61.9	81.9	28.0
Highest values						12.7		15.4	10.7	7.5	10.1	9.1	8.5	7.5	7.2	7.8			13.9	6.9								12.0	11.4	2.2
Lowest values						-5.2	75	3.7	-6.0	-8.1	-0.2	0.9	2.2	3.6	4.2	6.2														
1981-2010 monthly climatological averages							90	7.8	1.9	-0.8	3.8	3.8	4.6	5.3	5.4	6.7			61.0	57.5							1017.1	62.2	87.2	23.7

	2015	normal
Number of days with		
Snow/sleet falling	3	2.9
50% snow cover 09GMT	0	1.5
Hail or ice pellets	1	0.3
Thunder	0	0.4
Gale	0	0.3
Fog at 09GMT	1	1.8
Air frost	15	9.1
Ground frost	23	17.8
0.2mm precipitation	19	16.0
1.0mm precipitation	14	11.7
5.0mm precipitation	5	4.5
No sunshine	7	11.9

15.4C on the 9th was an unusually high January air temperature. Overall it was a wet and sunny month, often cold at night but slightly milder than normal by day. Snow was seen to fall on three days in the second half of the month and frosts were more common than normal.

Key

DD: date

07GMT observations

N cloud cover (oktas, 9=obscured)

dd wind direction (degrees/10)

ff wind speed (knots)

ww present weather code

1	cloud decreasing	50	intermittent slight drizzle
2	sky not changing	60	intermittent slight rain
3	cloud increasing	61	continuous slight rain
5	haze	63	continuous moderate rain
10	mist	80	slight rain shower
21	recent rain		

VV visibility (00-50 metres/100, 94 very poor, 95 poor, 96 moderate, 97 good)

Soil temperatures are for 0700GMT beneath bare soil (5, 10, 20cm) or grass (30, 50, 100cm)

09GMT observations

Temp temperature (degC)

RH relative humidity (%)

E state of ground (X1, X2 and X3 snow, 10 moist, 20 wet, 40 frozen)

SS snow depth (cm)

Press air pressure (mb)

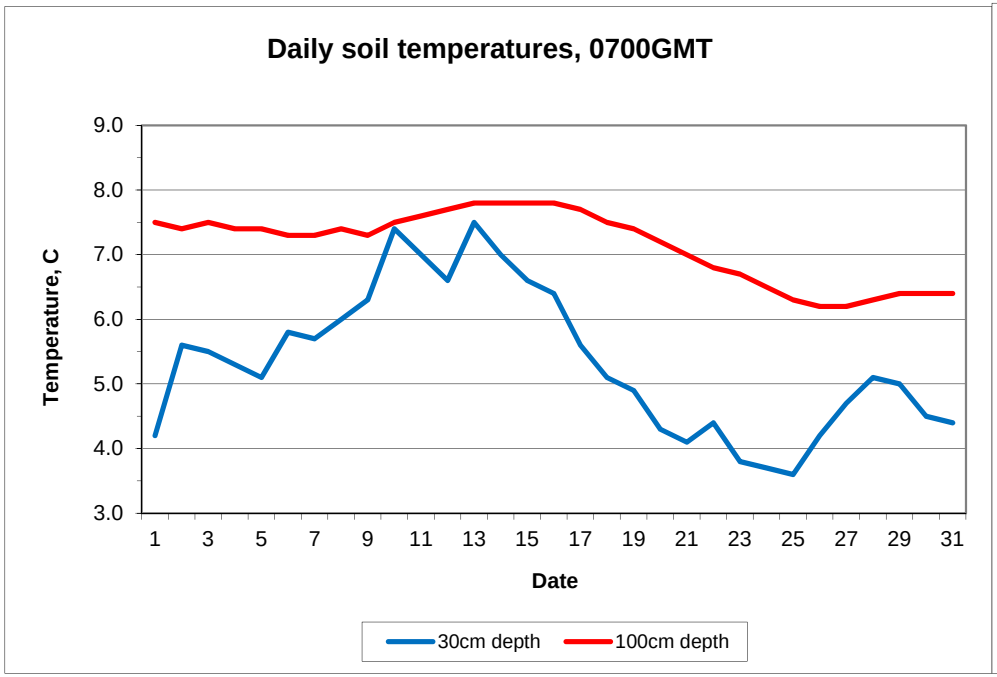
24 hour readings

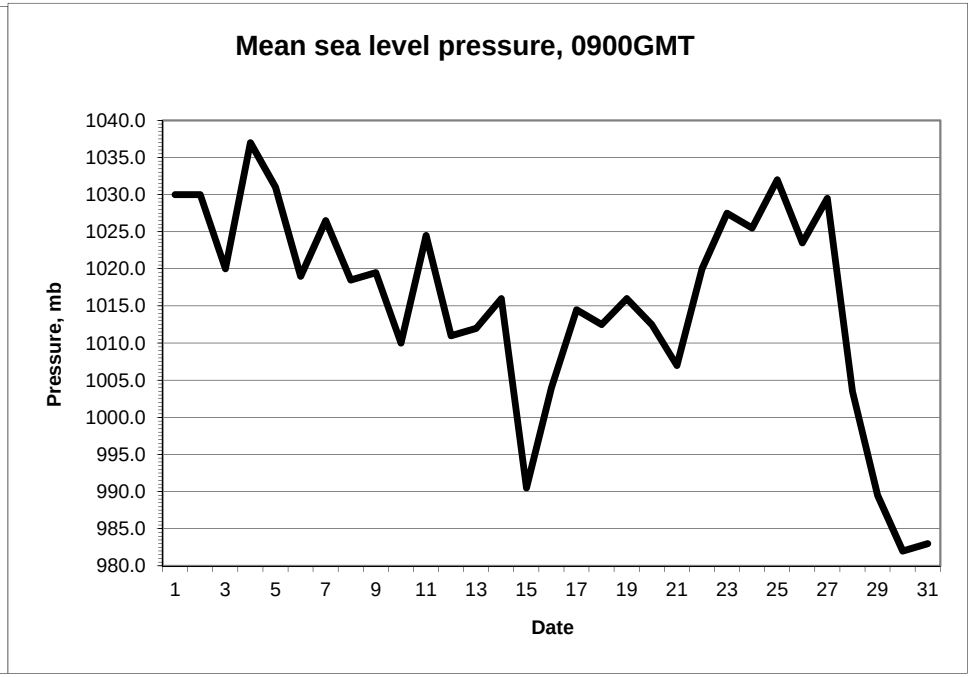
Max	maximum temperature (degC) beginning 09GMT	Min	minimum temperature (degC) ending 09GMT
Gmin	grass minimum temperature (degC) ending 09GMT	Rain	precipitation beginning 09GMT
Sun	sunshine (hours) sunrise-sunset	Rain hrs	hours of rainfall (>0.1mm/h) 09-09GMT
Fr. Hrs	hours of air frost (00-24GMT)	Pch Evap	Piche evaporation (ml) beginning 09GMT

Days with

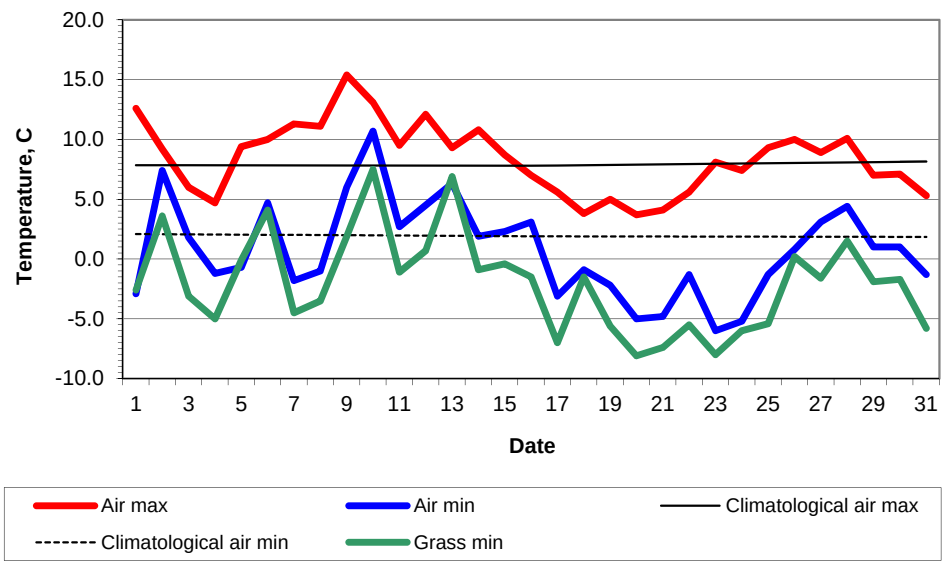
S	snow(5) or sleet(1) falling	L	50% snow cover at 09GMT	H	hail or ice pellets
T	thunder heard	G	gale	F	fog at 09GMT

This information (and data for earlier months) is also available at http://www.met.reading.ac.uk/~brugge

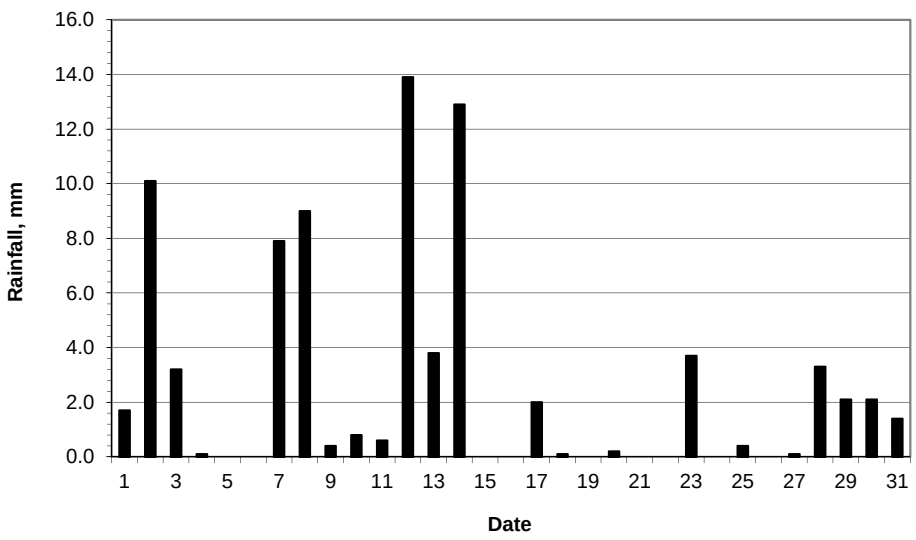




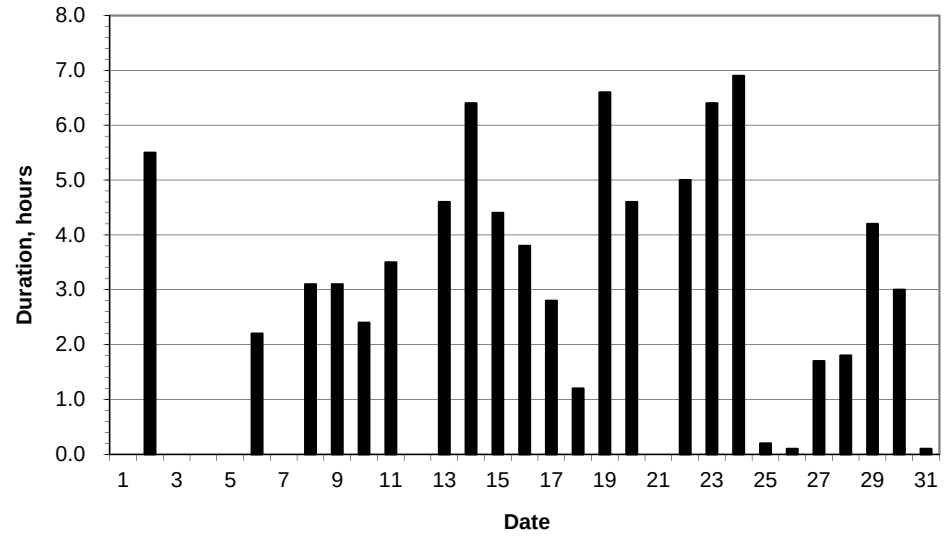
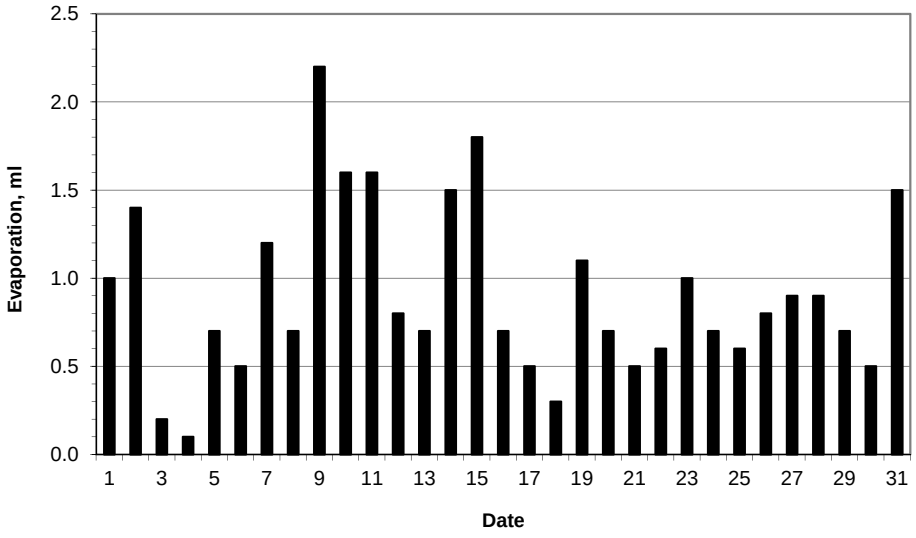
Daily temperature extremes



Daily rainfall



Daily sunshine



Daily evaporation