MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR DECEMBER 2009

						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	5	33	02	02	97	0.5	93	9.0	-0.8	-2.5	3.9	4.4	6.6	7.9	8.8	10.6	40	0	1.0	3.7	0	0	0	0	0	0	1014.5	2.0	3.0	0.5
02	8	15	02	02	97	9.0	97	10.5	0.5	-2.2	6.9	6.6	6.9	7.6	8.4	10.4	10	0	13.6	2.8	0	0	0	0	0	0	1001.5	9.3	0.0	0.2
03	8	27	05	21	96	7.4	97	7.5	7.2	4.5	7.2	7.2	7.6	8.1	8.5	10.4	10	0	0.5	0.2	0	0	0	0	0	0	998.5	1.0	0.0	0.4
04	0	27	02	02	97	2.0	94	9.9	0.9	-1.1	3.8	4.4	6.4	7.7	8.4	10.0	10	0	3.3	4.7	0	0	0	0	0	0	1010.0	4.4	0.0	0.5
05	2	22	02	01	96	6.5	97	12.6	2.0	-1.0	6.5	6.4	7.0	7.6	8.3	9.9	10	0	9.8	2.0	0	0	0	0	0	0	1000.5	8.6	0.0	0.7
06	8	27	02	61	96	9.7	92	10.7	6.5	2.1	9.0	8.9	8.6	8.2	8.3	9.9	20	0	0.3	3.8	0	0	0	0	0	0	993.0	0.3	0.0	1.1
07	8	18	13	80	97	10.6	83	10.9	6.8	2.9	6.7	7.1	7.6	8.3	8.5	9.8	10	0	3.3	0.0	0	0	0	0	0	0	1001.0	4.0	0.0	0.2
08	0	22	05	02	97	4.5	98	11.1	3.8	1.1	5.6	6.4	7.4	8.2	8.5	9.7	10	0	1.3	2.4	0	0	0	0	0	0	1011.5	2.5	0.0	0.8
09	8	18	02	41	07	6.9	99	12.0	4.5	1.1	6.7	7.3	7.9	8.4	8.6	9.3	10	0	0.4	0.0	0	0	0	0	0	1	1018.0	0.5	0.0	0.1
10	0	22	02	02	97	6.2	96	10.0	5.7	2.1	6.8	7.2	8.1	8.6	8.7	9.5	10	0	tr	6.0	0	0	0	0	0	0	1027.5	0.0	0.0	0.8
11	9	36	02	44	03	3.2	99	6.7	-0.9	-2.1	4.9	5.1	6.6	7.9	8.4	9.7	10	0	0.1	0.5	0	0	0	0	0	1	1033.5	0.1	2.0	0.5
12	8	35	02	02	96	5.9	88	8.5	3.2	0.1	5.7	5.7	6.6	7.5	8.3	9.6	10	0	0.0	4.0	0	0	0	0	0	0	1032.5	0.0	0.0	0.7
13	7	05	02	02	97	5.0	88	7.0	4.3	1.0	5.3	5.3	6.3	7.4	8.0	9.5	10	0	0.0	1.2	0	0	0	0	0	0	1029.5	0.0	0.0	0.6
14	7	36	02	02	97	3.3	90	5.4	1.9	-0.5	4.7	4.9	6.0	7.1	7.8	9.4	10	0	2.5	0.0	0	0	0	0	0	0	1024.0	7.2	0.0	0.2
15	8	14	02	02	95	2.3	94	2.4	2.2	1.5	6.0	5.1	6.0	7.0	7.5	9.4	10	0	0.9	0.0	5	0	0	0	0	0	1020.0	5.0	0.0	0.3
16	7	27	02	03	96	-1.8	99	4.0	-4.0	-5.0	2.2	2.8	4.6	6.1	7.2	9.1	40	0	3.2	0.0	5	0	0	0	0	0	1015.5	5.0	11.8	0.6
17	1	04	02	02	96	1.2	94	4.1	-1.8	-3.1	3.1	3.2	4.6	5.9	7.2	8.9	40	0	5.8	1.6	5	0	0	0	0	0	1011.0	9.0	2.0	0.3
18	3	02	09	01	96	-0.7	93	0.9	-0.7	-1.9	2.5	2.6	4.5	5.4	6.3	8.6	X7	16	tr	4.2	5	1	0	0	0	0	1015.5	0.0	16.0	0.4
19	0	36	02	02	97	-3.1	97	0.9	-3.3	-5.1	1.2	1.2	3.6	5.0	5.9	8.4	X4	9	1.7	6.4	5	1	0	0	0	0	1015.0	2.0	14.5	0.0
20	0	00	00	02	97	-3.0	93	1.2	-3.3	-4.9	1.7	1.9	3.2	4.6	5.6	8.1	X4	6	0.0	6.1	5	1	0	0	0	0	1001.5	0.0	17.5	0.0
21	3	18	02	03	97	-5.0	95	1.4	-5.9	-8.4	1.1	1.3	2.6	4.2	5.4	7.9	X4	6	15.0	0.2	5	1	0	0	0	0	995.0	7.0	13.3	0.0
22	8	22	05	02	97	0.2	98	0.4	-5.0	-6.9	1.7	1.7	3.1	4.0	4.9	7.6	X3	10	0.0	0.0	0	1	0	0	0	0	988.0	0.0	6.0	0.0
23	8	18	02	44	08	-4.0	96	2.7	-4.2	-4.9	1.1	1.2	2.1	3.9	4.7	7.4	X3	8	12.7	0.0	1	1	0	1	0	1	993.0	4.7	13.5	0.0
24	8	22	02	02	96	2.2	98	4.4	-4.0	-4.3	1.2	1.7	2.5	3.6	4.3	7.1	X3	5	1.0	0.0	0	1	0	0	0	0	990.5	1.3	0.0	0.1
25	8	27	02	02	97	1.6	98	6.8	1.5	0.1	2.5	2.1	2.9	3.6	4.3	6.8	X2	2	1.8	3.1	0	1	0	0	0	0	998.0	0.6	0.0	0.6
26	8	23	02	60	96	6.2	95	8.4	-1.1	-3.0	2.6	2.2	2.9	3.8	4.3	6.8	X1	<1	0.2	2.1	0	0	0	0	0	0	1001.5	0.1	1.5	0.4
27	3	22	09	02	97	5.0	86	7.0	0.7	-1.0	2.7	2.3	3.3	4.1	4.6	6.6	X1	<1	0.0	2.2	0	0	0	0	0	0	998.0	0.0	0.0	0.7
28	6	22	02	03	97	-2.6	95	5.0	-2.9	-4.7	1.2	1.6	2.9	4.1	4.6	6.6	40	0	0.3	4.7	0	0	0	0	0	0	1006.0	0.3	6.7	1.1
29	8	09	05	60	96	4.5	98	4.6	-2.6	-4.5	3.2	2.6	3.0	4.0	4.7	6.6	10	0	14.4	0.0	0	0	0	0	0	0	997.5	12.5	0.0	0.1
30	8	04	02	60	94	4.6	98	4.6	3.4	3.1	3.8	3.3	3.8	4.2	4.5	6.6	10	0	4.1	0.0	0	0	0	0	0	0	992.5	5.6	0.0	0.3
31	7	04	09	25	97	3.6	88	4.3	3.2	2.6	3.4	3.2	3.9	4.4	4.8	6.5	10	0	0.5	0.5	0	0	0	0	0	0	1001.0	0.2	0.0	0.9
Monthly means																														
						3.0	94	6.3	0.6	-1.4	4.0	4.1	5.1	6.1	6.7	8.6											1007.6			
Monthly totals																														
																			97.7	62.4								93.2	107.8	13.1
Highest values																														
						10.6		12.6	7.2	4.5	9.0	8.9	8.6	8.6	8.8	10.6			15.0	6.4								12.5	17.5	1.1
Lowest values																														
						-5.0	83	0.4	-5.9	-8.4	1.1	1.2	2.1	3.6	4.3	6.5														
1971-2000 monthly climatological averages																														
							90	8.3	2.6	0.4	4.6	4.8	5.7	6.3	6.7	8.1			65.6	40.9							1015.2	59.2	61.4	21.1

	2009	normal
Number of days with		
Snow/sleet falling	8	1.7
50% snow cover 09GMT	8	1.0
Hail or ice pellets	0	0.3
Thunder	1	0.2
Gale	0	0.2
Fog at 09GMT	3	1.9
Air frost	14	7.9
Ground frost	19	15.3
0.2mm precipitation	23	15.1
1.0mm precipitation	16	11.2
5.0mm precipitation	6	4.9
No sunshine	10	14.7

The undoubted features of the month were the snowfalls of the 17th/18th and 21st. The former led to the greatest depth of lying snow locally (16cm) since 1982 while the latter caused local traffic chaos in the afternoon and evening.Overall it was the coldest December since 1995 while sunshine and precipitation totals were above average.

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	41	fog patches
2	sky not changing	45	fog
3	cloud increasing	50	intermittent slight drizzle
10	mist	60	intermittent slight rain
21	recent rain	61	continuous slight 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 (10 moist, 20 wet, 40 frozen, X1-X7 snow)	SS	snow depth (cm)
Press	air pressure (mb)		

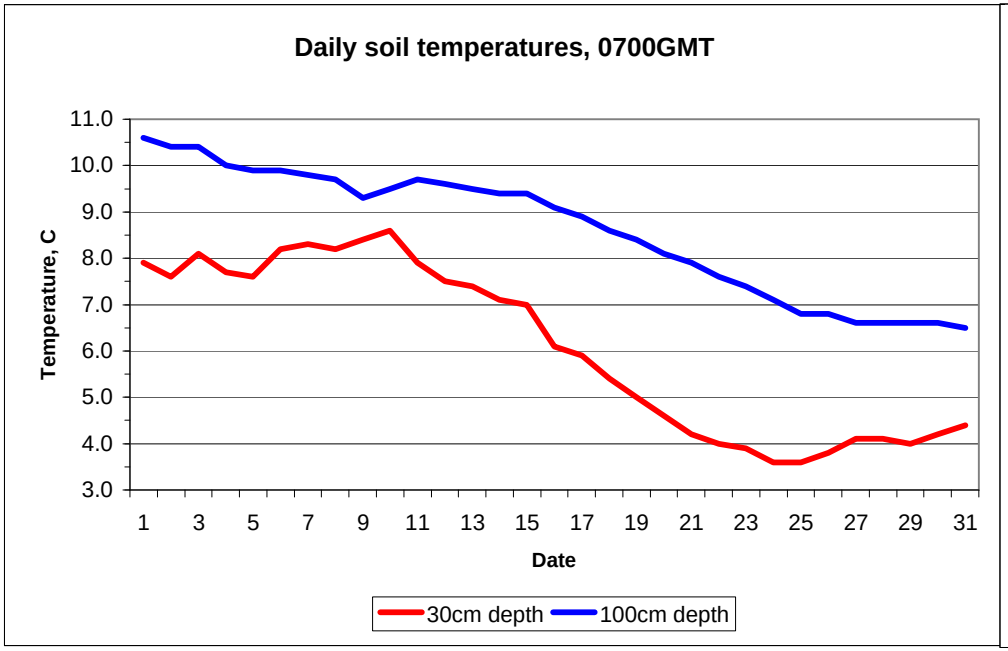
24 hour readings

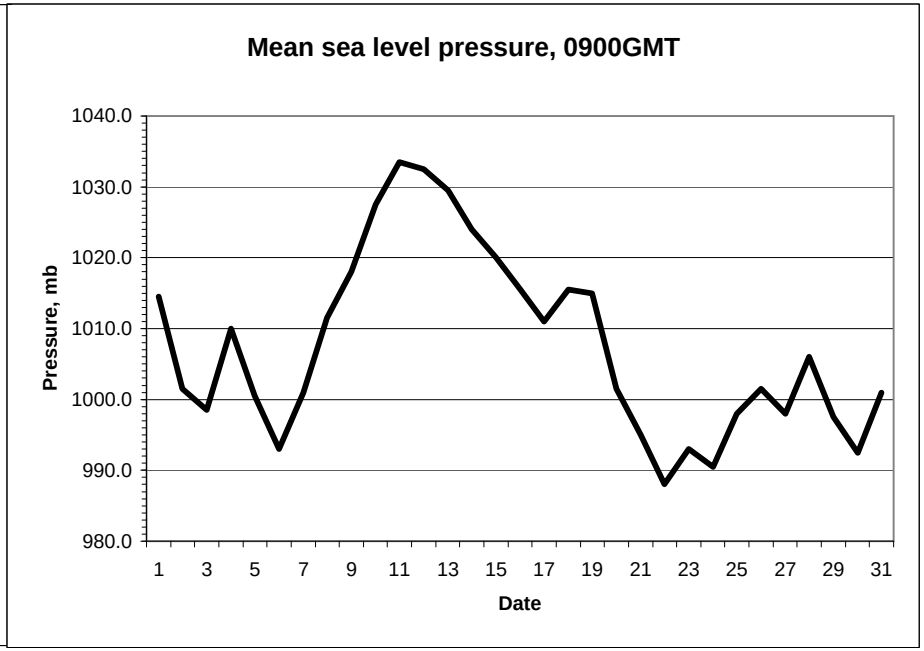
Max	maximum temperature (degC) beginning 09GMT	Min	minimum temperature (degC) ending 09GMT
Gmin	grass minimum temperature (degC) ending 09GMT	Rain	precipitation beginning 09GMT
Sun	sunshine (hours) sunrise-sunset	Rain hrs	hours of rainfall (>0.1mm/h) 09-09GMT
Fr. Hrs	hours of air frost (00-24GMT)	Pch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

Days with

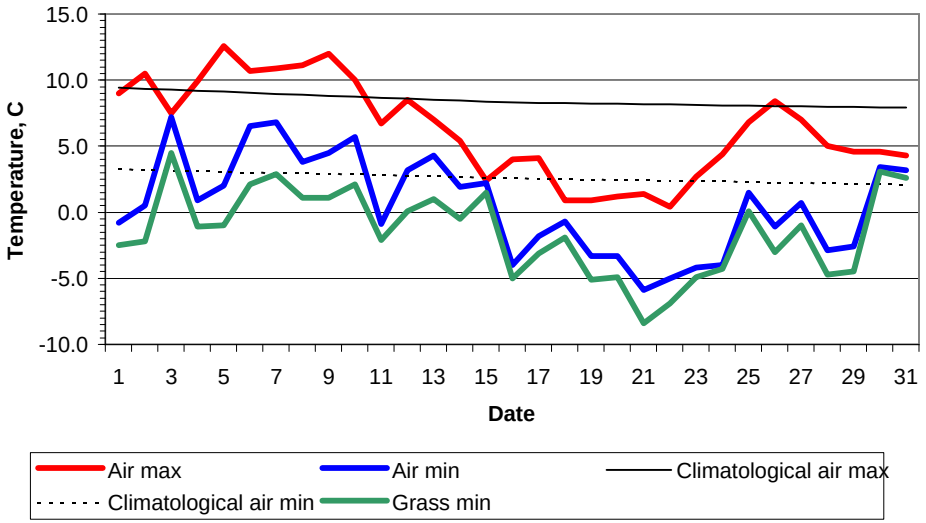
S	snow(5) or sleet(1) falling	L	50% snow cover at 09GMT	H	hail or ice pellets
T	thunder heard	G	gale	F	fog at 09GMT

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

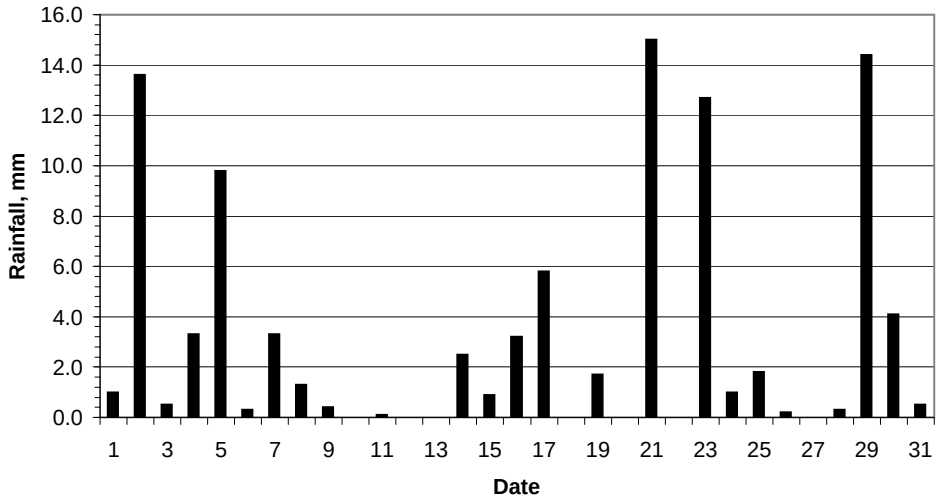




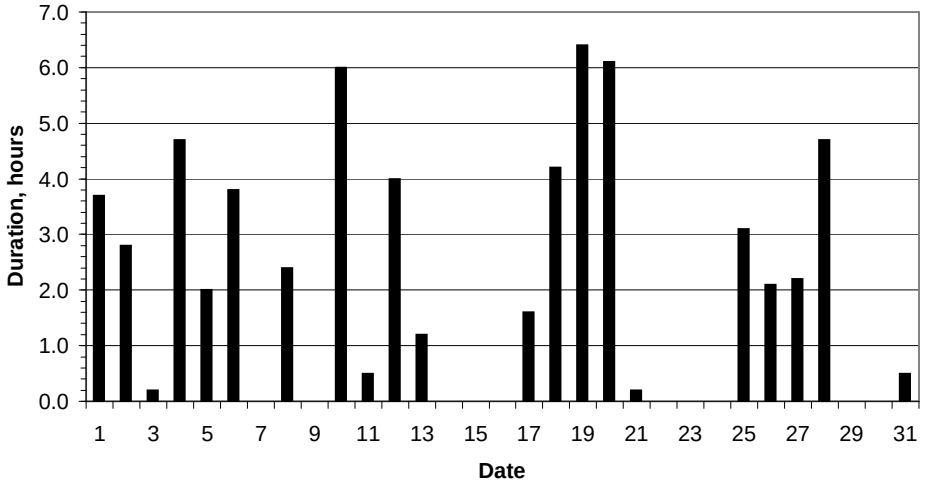
Daily temperature extemes



Daily rainfall



Daily sunshine



Daily evaporation