MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR DECEMBER 2010

						0900GMT		Temperature			Soil temperatures (depth in cm)																		
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	Rain hrs	Fr. hrs	Pch Evap
01	8	09	13	02	97	-0.8	65	0.2	-1.3	-3.2	0.6	1.1	2.2	4.0	5.3	8.0	X1	<1	1.1	0.0	5	0	0	0	0	0	1010.5	1.5	23.0	0.0
02	8	05	09	70	95	-0.7	87	0.4	-1.2	-2.2	0.5	1.0	2.4	3.6	5.0	7.7	X3	1	tr	0.5	5	1	0	0	0	0	1009.0	0.0	22.5	0.0
03	8	36	05	02	96	-2.0	98	2.9	-4.7	-8.0	0.5	0.9	2.2	3.4	4.6	7.5	X2	<1	2.8	0.0	0	1	0	0	0	0	1015.0	2.5	20.0	0.0
04	8	21	02	42	09	2.3	98	4.1	-2.0	-6.2	1.1	1.0	2.1	3.2	4.5	7.2	X1	<1	1.4	0.0	0	0	0	0	0	1	1007.5	2.0	4.0	0.0
05	8	30	02	10	96	1.4	94	4.6	1.2	-1.2	2.6	2.2	3.1	3.9	4.4	7.0	10	0	0.0	3.7	0	0	0	0	0	0	1007.0	0.0	2.0	0.7
06	8	33	00	10	94	-1.7	94	-0.1	-2.0	-5.4	0.7	1.2	2.0	3.6	4.5	7.0	40	0	0.0	0.0	0	0	0	0	0	1	1004.5	0.0	24.0	0.0
07	8	05	02	02	95	-0.1	96	2.1	-2.1	-1.2	1.4	1.2	1.9	3.4	4.4	6.9	40	0	tr	0.6	5	0	0	0	0	0	1007.0	0.0	18.5	0.0
08	8	36	09	02	96	0.7	96	2.6	-0.9	-2.9	1.1	1.0	1.7	3.2	4.3	6.7	10	0	0.0	2.2	0	0	0	0	0	0	1012.0	0.0	7.0	0.7
09	7	32	09	03	97	-1.0	98	3.9	-2.4	-6.0	0.6	0.6	1.9	3.1	4.2	6.5	40	0	0.0	2.8	0	0	0	0	0	0	1031.5	0.0	11.7	0.7
10	8	30	02	02	97	3.5	86	6.8	-1.0	-4.5	1.0	0.7	2.0	2.9	4.0	6.5	40	0	0.0	0.0	0	0	0	0	0	0	1034.0	0.0	0.0	0.4
11	8	27	05	02	97	6.8	88	8.2	3.5	-0.1	3.9	3.3	3.5	3.8	4.3	6.3	10	0	0.0	0.0	0	0	0	0	0	0	1028.5	0.0	0.0	0.6
12	1	36	05	02	97	-0.5	98	6.2	-0.8	-4.0	1.9	1.9	3.1	4.3	4.5	6.3	40	0	0.0	4.8	0	0	0	0	0	0	1026.0	0.0	2.0	0.9
13	8	36	02	46	07	0.8	98	4.3	-0.5	-4.1	1.8	2.2	2.8	4.2	4.6	6.3	40	0	0.3	0.0	0	0	0	0	0	1	1029.0	2.2	2.0	0.5
14	8	36	02	21	96	4.3	96	5.0	-0.3	-3.1	2.9	2.8	3.1	4.1	4.7	6.4	10	0	0.0	0.1	0	0	0	0	0	0	1032.5	0.0	1.0	0.3
15	8	32	02	10	95	0.5	98	6.0	-0.5	-3.5	1.7	1.7	2.7	4.1	4.7	6.4	40	0	0.0	0.2	0	0	0	0	0	0	1038.0	0.0	4.5	1.0
16	8	33	09	03	96	6.0	86	7.0	0.5	-0.2	3.3	3.2	4.1	4.2	4.7	6.3	10	0	2.7	0.0	5	0	0	0	0	0	1012.5	5.5	0.0	0.6
17	7	27	05	03	97	-1.7	84	0.9	-3.8	-6.5	1.1	1.3	3.3	4.0	4.6	6.4	40	0	1.1	0.4	5	0	0	0	0	0	1001.5	2.0	20.5	0.0
18	8	09	05	85	97	-2.7	96	0.2	-7.4	-10.5	0.6	0.6	1.9	3.1	4.3	6.3	X3	1	9.7	0.0	5	1	0	0	0	0	994.0	4.5	22.5	0.0
19	8	04	02	02	97	-3.2	92	0.0	-5.8	-12.6	0.8	0.8	1.4	2.9	4.1	6.1	X7	15	0.0	0.0	0	1	0	0	0	0	995.5	0.0	23.8	0.0
20	7	03	02	03	95	-5.0	94	0.9	-9.9	-14.4	0.5	0.6	1.5	2.8	4.0	6.0	X7	15	1.6	0.0	5	1	0	0	0	0	1002.5	3.0	24.0	0.0
21	8	04	05	02	95	0.9	92	1.3	-5.0	-11.9	0.7	0.9	1.2	2.6	3.6	5.8	X3	13	0.5	0.0	5	1	0	0	0	0	1004.5	1.0	4.0	0.0
22	8	36	02	02	95	1.0	94	2.7	0.6	-5.0	0.6	1.1	2.2	2.6	3.5	5.6	X3	8	0.0	0.0	0	1	0	0	0	0	1007.5	0.0	1.5	0.0
23	8	38	05	02	96	0.0	80	2.1	-1.4	-3.2	0.6	0.5	1.6	2.5	3.4	5.5	X3	8	0.0	0.0	0	1	0	0	0	0	1012.0	0.0	11.0	0.0
24	7	36	05	03	96	-0.5	93	1.5	-1.4	-3.5	0.3	0.4	1.5	2.4	3.2	5.4	X3	7	0.0	0.2	0	1	0	0	0	0	1019.5	0.0	12.5	0.0
25	8	33	02	02	97	-1.3	94	-0.4	-2.4	-4.2	0.4	0.4	1.2	2.3	3.0	5.3	X3	7	0.0	2.5	0	1	0	0	0	0	1029.0	0.0	24.0	0.0
26	7	00	00	02	97	-4.9	94	2.8	-6.6	-8.5	0.2	0.1	1.1	2.1	3.0	5.2	X3	6	0.0	3.6	0	1	0	0	0	0	1030.5	0.0	20.5	0.0
27	8	18	02	02	97	2.7	90	4.2	-4.9	-7.1	0.2	0.1	1.1	2.0	2.8	5.1	X3	6	5.7	0.0	0	1	0	0	0	0	1019.0	4.2	0.0	0.5
28	8	15	01	50	94	3.1	98	6.0	2.3	0.6	0.5	0.4	0.9	2.0	2.7	5.0	X2	1	1.5	0.0	0	1	0	0	0	1	1014.5	3.0	0.0	0.1
29	9	00	00	44	06	6.0	98	8.5	3.1	0.8	3.3	2.7	2.2	2.8	3.2	4.9	40	0	1.7	0.0	0	0	0	0	0	1	1020.0	2.2	0.0	0.0
30	8	09	02	02	96	6.7	97	7.0	6.0	4.6	5.0	4.4	3.8	3.9	3.7	4.9	10	0	0.1	0.0	0	0	0	0	0	0	1025.0	0.1	0.0	0.1
31	8	04	02	02	96	5.6	09	6.8	5.1	4.0	4.7	4.7	4.0	4.5	4.4	5.1	10	0	0.0	0.0	0	0	0	0	0	0	1027.5	0.0	0.0	0.2
Monthly means						0.8	90	3.5	-1.5	-4.3	1.5	1.5	2.2	3.3	4.1	6.2											1016.4			
Monthly totals																			30.2	21.6								33.7	306.5	7.3
Highest values						6.8		8.5	6.0	4.6	5.0	4.7	4.1	4.5	5.3	8.0			9.7	4.8								5.5	24.0	1.0
Lowest values						-5.0	09	-0.4	-9.9	-14.4	0.2	0.1	0.9	2.0	2.7	4.9														
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

	2010	normal
Number of days with		
Snow/sleet falling	8	1.7
50% snow cover 09GMT	13	1.0
Hail or ice pellets	0	0.3
Thunder	0	0.2
Gale	0	0.2
Fog at 09GMT	5	1.9
Air frost	23	7.9
Ground frost	27	15.3
0.2mm precipitation	12	15.1
1.0mm precipitation	10	11.2
5.0mm precipitation	2	4.9
No sunshine	19	14.7

The coldest December since 1890 with a long spell of lying snow from the 18th to 28th. The month was dry and also unusually dull with 19 sunless days; it was the dullest December since 1969. Winds were predominantly from a northerly quarter.

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)		

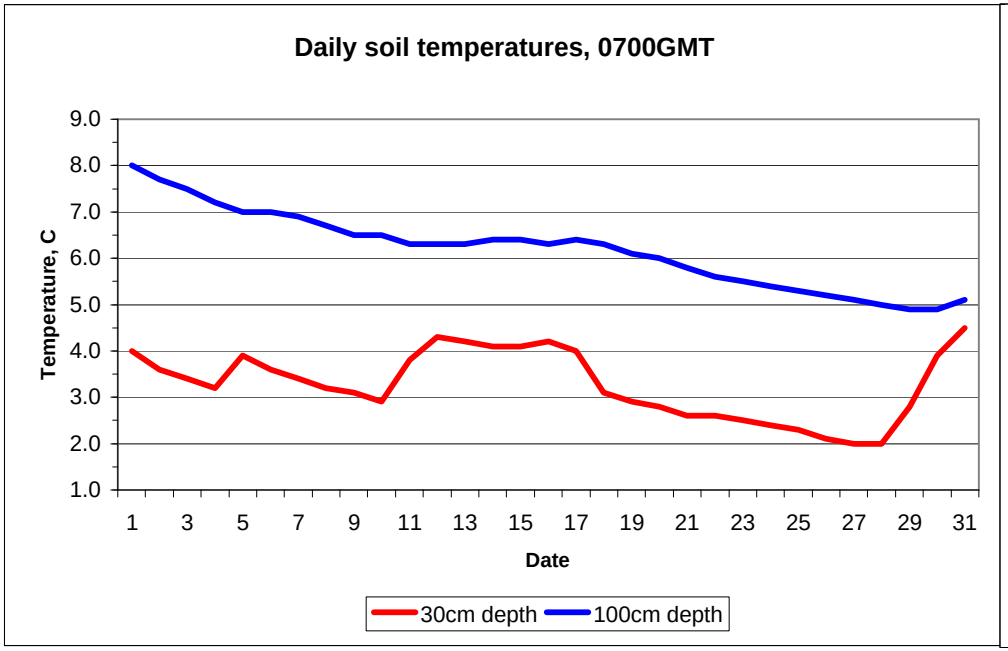
24 hour readings

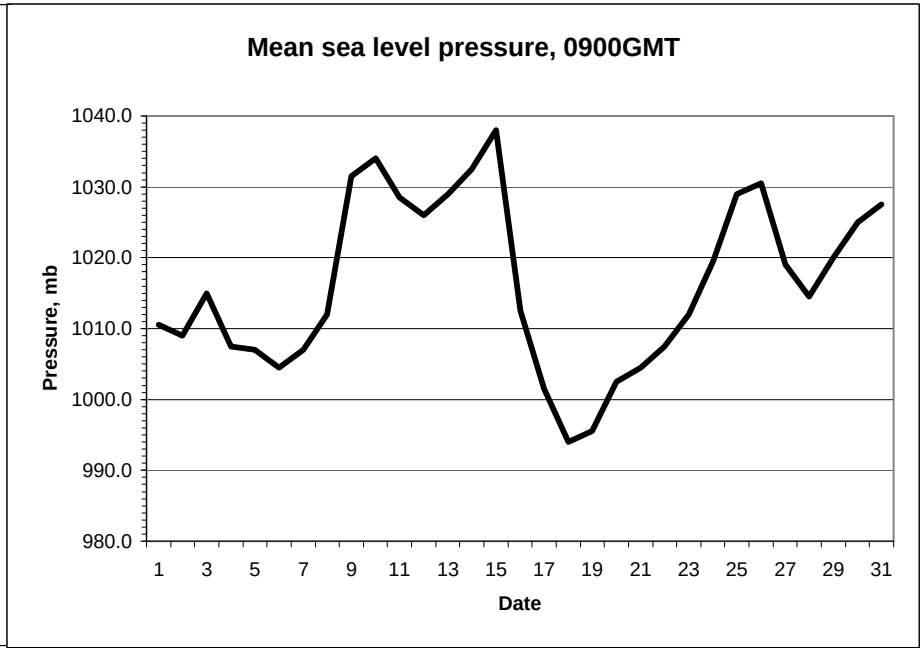
Max	maximum temperature (degC) beginning 09GMT	Min	minimum temperature (degC) ending 09GMT
Gmin	grass minimum temperature (degC) ending 09GMT	Rain	precipitation beginning 09GMT
Sun	sunshine (hours) sunrise-sunset	Rain hrs	hours of rainfall (>0.1mm/h) 09-09GMT
Fr. Hrs	hours of air frost (00-24GMT)	Pch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

Days with

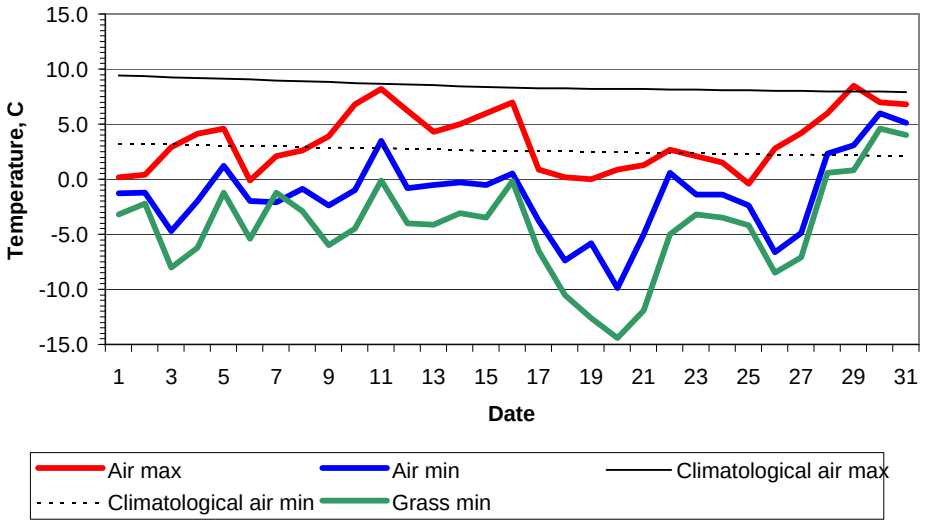
S	snow(5) or sleet(1) falling	L	50% snow cover at 09GMT	H	hail or ice pellets
T	thunder heard	G	gale	F	fog at 09GMT

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

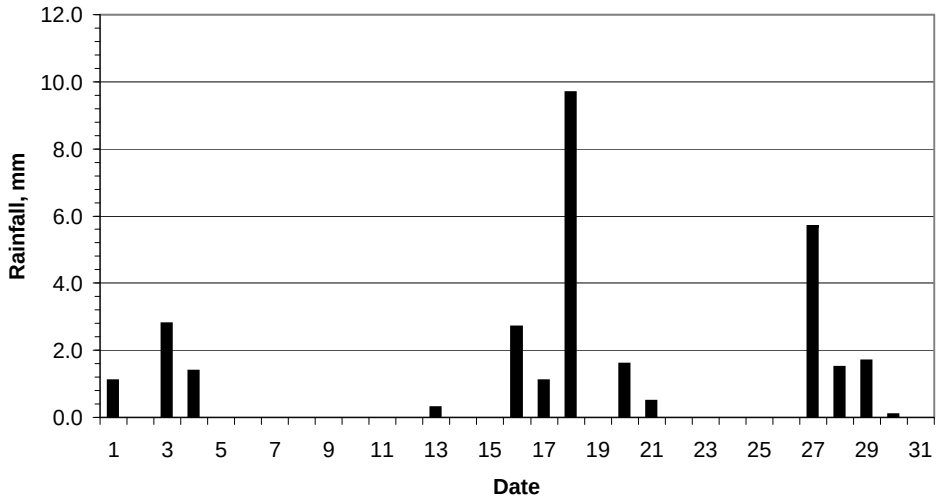




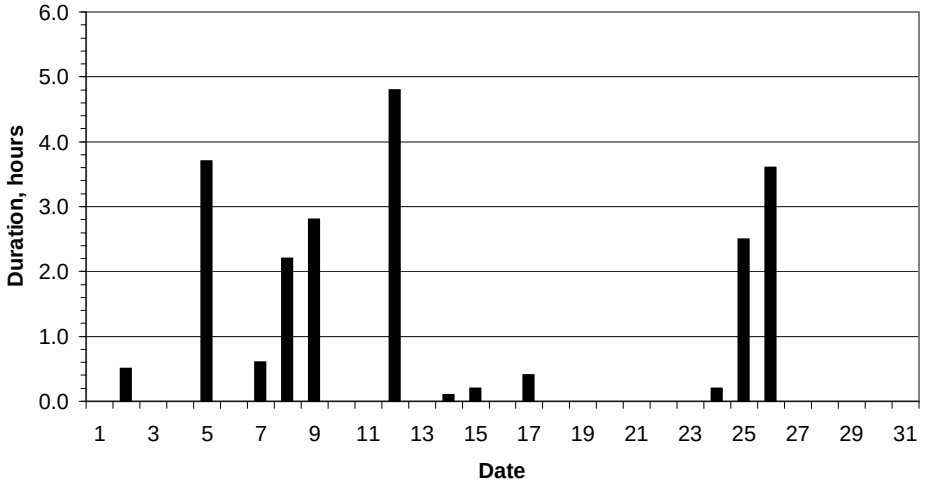
Daily temperature extemes



Daily rainfall



Daily sunshine



Daily evaporation