

METEOROLOGISKE DATA FOR ÅS 2005

FELTSTASJON FOR AGROKLIMATISKE STUDIER, SØRÅS
INSTITUTT FOR MATEMATISKE REALFAG OG TEKNOLOGI
UNIVERSITETET FOR MILJØ- OG BIOVITENSKAP

ISBN 82-7636-017-3



Meteorologiske data for Ås 2005

Vidar Thue Hansen og Arne Auen Grimenes
Institutt for matematiske realfag og teknologi
Universitetet for miljø- og biovitenskap

Ås, januar 2006
ISBN 82-7636-017-3

Innhold :

Innledning	1
------------------	---

Månedstabell

Januar	2
Februar	3
Mars	4
April	5
Mai	6
Juni	7
Juli	8
August	9
September	10
Oktober	11
November	12
Desember	13

Nedbør	14
--------------	----

Temperatur	15
------------------	----

Snødybde	16
----------------	----

VÆRET PÅ ÅS 2005,

Alle observasjoner er gjort på UMBs Feltstasjon for agroklimatiske studier, FAGKLIM, på Søråsfeltet ved Ås sentrum. Koordinater: Breddegrad: 59° 40', Lengdegrad: 10° 51', m,o,h : 93,3

Fordampningsmålinger mangler for hele 2005-sesongen. Det skyldes en feil i måleinstrumentet.

Kalibreringskonstantene til hygrometeret som måler relativ luftfuktighet har endret seg noe over tid, uten at det har blitt oppdaget. Disse dataene er derfor tatt ut av tabellene og erstattet med data fra loggestasjonen til Bioforsk, som står i umiddelbar nærhet til IMTs stasjon.

Temperatur og nedbør

2005 føyer seg inn i rekken av varme år som vi har hatt siden slutten av 1980-årene. Årsmiddeltemperaturen på 6,8 C er 1,5 C over normalen. Det er særlig vintermånedene som drar opp årsmiddelet. Januartemperaturen var 1,5 C, som er 6,3 C høyere enn normalt. Vi må tilbake til 1989 for å finne en varmere januarmåned. Februartemperaturen på -1,5 C er 2,3 C høyere enn normalt, og temperaturen for november og desember lå henholdsvis 3,5 C og 1,5 C høyere enn normalt. Sommertemperaturene var mer som normalt, med juni en grad under og juli 1,7 grader over.

Den laveste minimumtemperaturen ble registrert til -19,9 C den 3.3, og den høyeste maksimumtemperaturen til 29,5 C den 9.7.

Den årlige nedbørsmengden var på 681.2 mm, mens normalen er på 785 mm.

Måle og loggerrutiner

- Lufttemperaturen og luftfuktighet er målt i standard meteorologisk hytte 2 m over bakken.
- Jordtemperaturen er målt under grasplen.
- Vindhastigheten og vindretning er målt i 10 m høyde. Kolonnen merket "max" m/s viser den maksimale vindhastigheten (10-minuttersmiddel) som er målt i løpet av døgnet.
- Loggesystemet foretar en avlesning av alle variable hvert tiende sekund. Middelverdien for hvert 10. minutt lagres i databasen.

Forklaring til tabellene

I strålingstabellen er angitt døgnsummer (MJ/m^2) av global stråling, diffus stråling og strålingsbalanse (=nettostråling), samt globalstrålingens spektrale fordeling. Grensene er satt slik at «uv» (ultrafiolett) refererer til bølgeintervallet 295-385 nm, «blå» til intervallet 385-495 nm, «grønn» til intervallet 495-630 nm, «rød» til intervallet 630-695 nm, og «irød» (infrarød) til intervallet 695-2800 nm. PAR-stråling (fotosyntetisk aktiv stråling) er angitt i E/m^2 (Einstein pr. kvadratmeter) summert over døgnet, der $\text{E/m}^2 = 6,02 \times 10^{23}$ fotoner/ m^2 . Albedo er forholdet mellom reflektert og innkommende globalstråling og måles over en grasplen. Kolonnen merket «jordvarmeflux» viser netto varmemengde (MJ/m^2) som pr. døgn transporteres i det øverste jordsjikt, målt med to varmefluxplater under en grasplen i 2 cm dybde. Positive tall betyr at jorda mottar energi, negative tall at energi avgis. Manglende tall i tabellene betyr at observasjonene mangler.

Figur 1. på side 14. viser månedlige nedbørsummer sammenlignet med normalen for perioden 1960 - 1990, og figur 2. på side 15. tilsvarende for månedsmiddeltemperaturen. Figur 3. på side 16. viser snødybden.

Meteorologiske data for Ås
Januar 2005

2

DATO				TEMPERATURER (°C)						FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)						rf(%)	(mbar)	Mid (m/s)	Max (m/s)	Retn.	
Mid	Min	Max	2	5	10	20	50	100							
01	0.4	-6.5	5.6	-0.2	0.1	0.3	0.8	2.6	3.4	94.6	993.2	3.4	10.0	S	
02	3.3	-0.4	4.9	-0.1	0.1	0.3	0.7	2.5	3.4	64.1	971.5	5.8	10.3	V	
03	1.9	-2.2	3.9	-0.2	0.1	0.3	0.7	2.6	3.3	51.3	987.7	4.9	10.5	V	
04	1.8	-1.0	6.2	-0.2	0.0	0.3	0.7	2.8	3.3	86.0	986.1	2.0	6.7	V	
05	2.5	-2.7	5.3	-0.2	0.0	0.3	0.7	2.9	3.3	73.4	990.2	3.9	8.2	S	
06	4.3	2.3	5.8	-0.1	0.1	0.3	0.7	2.5	3.2	72.0	987.8	4.6	8.3	S	
07	7.3	4.9	10.3	-0.1	0.1	0.4	0.8	2.2	3.2	73.9	978.9	5.8	8.5	S	
08	5.2	2.0	6.9	0.1	0.4	0.6	0.9	2.8	3.2	87.2	965.7	5.4	12.3	S	
09	3.5	0.1	6.2	0.2	0.4	0.6	1.0	3.1	3.1	60.2	982.0	3.8	9.9	V	
10	7.1	3.1	9.2	1.3	1.2	1.2	1.2	2.9	3.1	86.5	980.3	5.7	9.0	S	
11	5.9	4.4	7.2	1.9	1.9	1.9	1.8	2.9	3.0	77.6	992.0	5.9	9.5	S	
12	5.6	3.6	7.2	2.8	2.7	2.7	2.3	2.8	3.0	79.6	980.0	9.0	12.6	S	
13	4.4	-0.4	7.6	1.6	1.9	2.1	2.2	2.9	3.1	65.2	984.3	3.4	8.1	S	
14	-0.9	-6.3	4.1	0.4	0.7	1.1	1.6	2.8	3.1	74.6	1009.3	1.2	3.8	NØ	
15	-0.9	-6.8	4.4	0.0	0.3	0.6	1.1	2.6	3.2	87.0	1013.1	2.8	6.9	S	
16	5.5	4.4	6.1	0.2	0.4	0.6	1.0	2.5	3.2	90.8	1000.7	6.2	15.0	S	
17	6.2	5.8	6.5	2.6	2.3	2.2	1.7	2.7	3.2	92.0	987.1	7.0	10.0	S	
18	3.7	-0.1	6.4	3.0	2.9	3.0	2.6	2.8	3.1	91.9	973.5	4.0	7.5	S	
19	-0.1	-1.6	0.7	1.0	1.4	1.8	2.1	3.1	3.2	94.7	980.9	2.3	4.6	S	
20	-0.5	-4.3	0.5	1.0	1.2	1.5	1.8	3.2	3.2	95.4	965.4	2.6	4.5	SØ	
21	-3.9	-7.0	-0.7	0.6	0.8	1.2	1.6	3.5	3.2	91.1	975.6	1.4	3.1	NV	
22	-2.9	-8.0	0.8	0.2	0.5	0.8	1.3	3.2	3.3	72.1	992.2	2.2	4.2	NV	
23	-3.7	-8.3	-0.4	0.1	0.3	0.6	1.1	2.8	3.3	72.9	997.3	2.2	6.4	N	
24	-1.7	-6.2	1.2	0.0	0.2	0.5	0.9	2.6	3.2	58.9	1012.3	3.0	5.7	N	
25	-5.1	-7.6	-2.8	-0.1	0.1	0.4	0.8	2.5	3.2	77.0	1019.7	1.3	2.9	N	
26	-3.8	-5.6	-1.9	-0.2	0.0	0.4	0.7	2.4	3.1	85.4	1015.9	1.2	3.4	SØ	
27	-1.9	-5.5	0.2	-0.2	0.0	0.3	0.7	2.4	3.1	86.7	1005.4	0.8	1.7	Ø	
28	-1.0	-1.4	-0.5	-0.1	0.1	0.3	0.7	2.5	3.1	95.5	1005.0	1.1	2.1	SØ	
29	-1.1	-2.1	0.2	-0.1	0.1	0.3	0.7	2.5	3.0	98.1	1004.7	1.8	3.9	SØ	
30	0.7	-2.3	7.8	-0.1	0.1	0.3	0.7	2.6	3.0	92.6	996.6			S	
31	3.2	0.4	8.0	-0.1	0.1	0.4	0.7	2.7	2.9	44.1	992.5	4.8	9.6	NV	
Mid.	1.5	-1.8	4.1	0.5	0.7	0.9	1.2	2.7	3.2	79.8	991.2	3.7	7.3		

Høyeste temperatur: 10.3

Laveste temperatur: -8.3

Normal temperatur (1931-1960): -5.2

Normal temperatur (1961-1990): -4.8

DATO	STRÅLING									Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **
	Global	MJ/m2 Diffus	Balanse	UV	Blå	* % Grønn	Rød	IRød	E/m2 Par	Albedo		
01	0.43	0.49	-0.50	6.6		37.9		55.5	0.8		-0.34	
02	0.70	0.60	-3.78	6.9		47.4		45.8	1.4	0.32	-0.32	
03	0.99	0.58	-5.52	5.9		7.0		87.1	1.9	0.21	-0.32	4.3
04	0.22	0.19	-1.24	7.9		65.0		27.1	0.5	0.25	-0.32	2.2
05	1.30	0.94	-3.63	4.6		14.0		81.4	2.4	0.16	-0.30	0.0
06	1.15	0.33	-3.23	5.6		15.2		79.3	2.4	0.13	-0.31	0.1
07	0.72	0.55	-3.97	7.6		39.3		53.1	1.6	0.27	-0.28	0.0
08	0.26	0.28	-1.21	5.1		17.4		77.6	0.3	0.19	-0.09	
09	1.42	0.59	-4.35	4.8		11.1		84.1	2.8	0.24	-0.28	
10	0.41	0.38	-1.77	8.0		54.3		37.7	0.9	0.22	0.05	18.0
11	1.21	0.97	-3.22	5.4		24.4		70.2	2.4	0.21	0.11	0.0
12	0.94	0.71	-2.39	6.6		34.7		58.7	2.0	0.21	0.32	2.0
13	1.08	0.71	-4.22	6.5		27.1		66.4	2.1	0.26	-0.32	0.0
14	1.54	0.48	-3.92	5.2		11.8		83.0	3.2	0.12	-0.58	0.0
15	0.64	0.67	-0.93	6.9		37.1		56.0	1.2	0.08	-0.47	
16	0.55	0.56	0.11	7.3		43.8		48.9	1.2	0.13	-0.23	
17	0.32	0.33	-0.23	5.6		36.8		57.6	0.6	0.19	0.55	0.3
18	0.53	0.47	-1.47	7.4		52.9		39.6	1.1	0.09	0.17	0.2
19	0.78	0.80	-1.39	7.1		38.4		54.5	1.4	0.09	-0.52	2.8
20	0.82	0.75	-1.05	8.3		49.2		42.5	1.7	0.82	-0.25	6.9
21	1.91	1.44	-2.52	5.8		30.2		63.9	3.7	0.81	-0.38	0.1
22	2.16	0.55	-4.22	5.6		13.7		80.7	4.3	0.79	-0.43	0.0
23	1.37	1.06	-2.93	6.1		28.5		65.5	2.7	0.51	-0.39	0.0
24	1.80	1.42	-3.43	6.4		23.6		70.1	3.5	0.73	-0.36	0.0
25	2.01	1.45	-2.65	5.8		25.6		68.6	3.9	0.64	-0.35	0.0
26	1.24	1.24	-0.78	7.2		42.4		50.4	2.6	0.72	-0.33	0.0
27	1.66	1.65	-0.41	6.5		42.1		51.4	3.5	0.73	-0.31	0.0
28	1.32	1.16	-0.13	7.8		47.3		44.9	3.0	0.83	-0.29	3.1
29	1.19	1.16	0.02	8.0		46.4		45.5	2.7	0.83	-0.28	
30	2.50	1.89	-2.01	5.7		36.7		57.6	5.2	0.75	-0.27	
31	3.16	0.96	-5.30	5.0		20.5		74.5	6.0	0.72	-0.26	2.4
Sum	36.3	25.4	-72.3						73.1		-7.37	42.4
Mid.	1.17	0.82	-2.33	6.4		33.0		60.6	2.4	0.41	-0.24	

Normal nedbør (1931-60): 55 mm * Når innstrålingen er lav er usikkerhet i spektralstrålingen stor. Blå , grønn/gul og rød er slått sammen.

Normal nedbør (1961-90): 49 mm

** Nedbør er registrert manuelt kl. 8 på hverdager.

Meteorologiske data for Ås
Februar 2005

3

DATO				TEMPERATURER (°C)						FUKT.	TRYKK	VIND(10m)		
Hytte				Jord(cm)								Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)	(m/s)	(m/s)	
01	0.5	-5.8	4.8	-0.1	0.1	0.4	0.7	2.9	2.9	57.7	1003.1	1.6	4.1	V
02	1.0	-4.2	6.7	-0.1	0.1	0.4	0.6	2.7	2.9	76.8	1006.1	0.7	2.5	Ø
03	-3.0	-6.5	3.4	-0.2	0.0	0.3	0.6	2.5	2.9	92.5	1013.0	0.8	2.7	Ø
04	2.7	-1.0	4.0	-0.1	0.0	0.3	0.6	2.4	2.8	96.0	1009.2	4.4	7.3	S
05	4.0	2.9	4.9	-0.1	0.1	0.3	0.6	2.2	2.8	91.4	1009.3	5.1	9.0	S
06	0.9	-1.7	3.3	-0.1	0.1	0.4	0.6	2.4	2.7	85.4	1020.0	3.1	4.8	S
07	-1.9	-3.8	-0.5	-0.1	0.2	0.4	0.6	2.4	2.7	83.8	1021.5	2.0	3.2	SØ
08	-2.6	-3.8	-1.9	0.0	0.2	0.3	0.6	2.6	2.7	85.9	1018.6	2.4	4.5	SØ
09	-0.6	-2.6	0.9	-0.1	0.1	0.3	0.6	2.3	2.6	87.9	1008.4	4.5	8.0	S
10	2.5	-0.7	5.4	-0.1	0.1	0.3	0.6	2.5	2.7	80.8	984.2	5.7	10.0	S
11	1.1	-2.3	4.1	-0.1	0.1	0.3	0.5	2.4	2.6	57.5	993.6	3.1	6.1	V
12	0.0	-1.9	1.5	-0.1	0.1	0.3	0.5	3.2	2.6	90.4	984.1	1.9	3.5	S
13	-0.6	-1.5	0.4	-0.1	0.1	0.3	0.5	2.6	2.6	73.6	980.0	6.6	9.4	N
14	-1.4	-2.6	0.1	-0.3	0.0	0.2	0.5	1.9	2.5	62.6	994.8	6.4	8.8	N
15	-3.9	-9.4	-1.5	-0.6	-0.2	0.1	0.4	1.7	2.5	62.5	1014.1	4.0	6.5	N
16	-7.3	-11.0	-3.8	-1.0	-0.4	0.0	0.3	1.8	2.5	80.1	1017.6	1.1	5.2	SØ
17	-3.0	-7.6	1.7	-0.9	-0.5	-0.2	0.3	1.6	2.5	83.7	1008.4	2.1	4.3	SØ
18	1.1	-1.4	3.9	-0.4	-0.3	-0.1	0.2	1.6	2.5	93.9	989.4	3.3	8.7	S
19	1.2	-2.2	5.1	-0.3	-0.2	-0.1	0.2	1.6	2.5	77.2	989.1	2.4	6.8	N
20	0.8	-1.4	3.9	-0.6	-0.3	-0.1	0.2	1.6	2.5	59.3	999.4	3.2	5.9	N
21	0.1	-1.3	1.7	-0.4	-0.3	-0.1	0.2	1.6	2.4	77.0	1012.2	3.0	4.8	N
22	-4.7	-9.1	-0.6	-0.7	-0.4	-0.2	0.2	1.5	2.4	64.7	1019.6	5.2	7.5	NØ
23	-8.2	-10.6	-5.4	-1.8	-1.2	-0.6	0.1	1.4	2.3	65.5	1024.0	5.4	7.4	N
24	-6.9	-9.5	-3.1	-2.2	-1.6	-1.1	0.0	1.3	2.3	66.1	1020.0	3.6	6.4	N
25	-3.4	-12.6	4.2	-2.0	-1.6	-1.2	-0.1	1.3	2.3	70.5	1011.7	2.3	6.6	N
26	-2.0	-6.5	0.4	-1.4	-1.1	-0.8	-0.2	1.4	2.3	50.0	1012.5	4.4	7.7	N
27	-4.7	-12.0	-0.3	-2.0	-1.6	-1.2	-0.2	1.4	2.2	58.0	1014.6	1.9	4.5	N
28	-2.8	-6.7	1.3	-1.3	-1.1	-0.9	-0.3	1.2	2.2	81.5	999.3	2.1	5.6	Ø
Mid.	-1.5	-4.9	1.6	-0.6	-0.3	-0.1	0.3	2.0	2.5	75.4	1006.4	3.3	6.1	

Høyeste temperatur: 6.7

Laveste temperatur: -12.6

Normal temperatur (1931-1960): -4.6

Normal temperatur (1961-1990): -4.8

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **
	Global	MJ/m2 Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	E/m2 Par	Albedo			
01	3.06	1.37	-2.36	5.3		23.5		71.2	6.1	0.59	-0.26		0.0
02	2.29	1.39	-0.79	6.4		39.6		54.0	5.0	0.68	-0.25		0.0
03	3.11	1.01	-1.55	5.4		25.7		68.9	6.4	0.59	-0.26		0.0
04	1.86	1.86	0.36	6.8		43.5		49.8	4.0	0.47	-0.26		0.2
05	0.81	0.80	-0.24	7.2		47.2		45.5	1.8	0.24	-0.21		
06	1.52	1.51	0.19	6.3		43.1		50.6	3.1	0.21	-0.08		
07	1.42	1.43	-0.33	7.0		42.6		50.5	2.9	0.21	-0.23		0.7
08	0.71	0.74	-0.45	6.5		43.4		50.2	1.4	0.16	-0.24		0.0
09	0.41	0.44	-0.21	6.8		49.6		43.6	0.9	0.43	-0.24		0.0
10	3.44	1.96	-0.54	5.2		30.2		64.5	6.8	0.27	-0.23		15.8
11	4.12	1.23	-1.86	4.9		25.7		69.4	7.9	0.22	-0.23		0.0
12	1.53	1.47	-1.12	6.6		41.0		52.4	3.0	0.16	-0.24		
13	3.31	2.98	-1.29	5.8		40.1		54.1	6.7	0.29	-0.23		
14	3.39	2.80	-1.43	5.5		33.4		61.1	6.5	0.26	-0.26		1.2
15	2.94	2.46	-2.23	5.9		38.0		56.0	5.9	0.27	-0.29		0.0
16	4.23	3.21	-1.49	5.1		31.0		63.9	8.2	0.20	-0.63		0.0
17	3.99	2.45	0.42	5.3		34.2		60.5	8.1	0.27	-0.67		0.1
18	1.11	1.04	-0.05	6.6		40.3		53.2	2.5	0.29	-0.28		0.0
19	5.74	2.83	1.18	4.5		30.0		65.5	11.5	0.27	-0.17		
20	5.10	2.56	-0.37	4.7		27.8		67.5	9.9	0.22	-0.36		
21	1.97	1.86	-0.01	6.7		42.1		51.2	4.1	0.21	-0.24		0.2
22	4.44	3.44	0.08	5.1		36.5		58.5	8.9	0.25	-0.50		0.0
23	6.14	2.08	-1.44	4.6		28.0		67.5	11.9	0.28	-1.29		0.0
24	2.78	2.53	-1.80	6.4		40.0		53.6	5.9	0.23	-1.25		0.0
25	6.76	1.56	0.72	4.5		30.2		65.3	13.6	0.24	-0.91		0.0
26	6.96	1.84	-0.74	4.5		30.7		64.9	13.6	0.27	-0.53		0.0
27	5.94	3.50	0.11	4.7		29.7		65.6	11.7	0.22	-0.85		0.0
28	2.63	2.61	0.79	6.0		43.2		50.8	5.6	0.25	-0.35		1.5
Sum	91.7	54.9	-16.4						184.0		-11.53		19.7
Mid.	3.28	1.96	-0.59	5.7		36.1		58.2	6.6	0.30	-0.41		

Normal nedbør (1931-60): 34 mm

* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor. Blå , grønn/gul og rød er slått sammen.

Normal nedbør (1961-90): 35 mm

** Nedbør er registrert manuelt kl. 8 på hverdager. Avlest nedbør 1.3.05 kom som nedbør 28.2.05

Meteorologiske data for Ås
Mars 2005

4

DATO				TEMPERATURER (°C)							FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)										Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)		(m/s)	(m/s)		
01	-9.0	-15.0	-6.7	-1.3	-1.0	-0.8	-0.3	1.1	2.2	67.2	998.0		2.2	3.6	NØ	
02	-11.7	-17.5	-4.3	-2.0	-1.6	-1.2	-0.4	1.1	2.1	72.6	1000.6		1.0	2.3	N	
03	-10.5	-19.9	-2.2	-2.3	-1.9	-1.5	-0.6	1.1	2.1	77.2	1002.1		1.6	4.6	SØ	
04	-1.7	-5.9	0.9	-1.6	-1.4	-1.1	-0.6	1.1	2.0	82.5	994.7		5.8	8.8	S	
05	-3.8	-9.2	1.0	-1.3	-1.1	-0.9	-0.5	1.0	2.0	78.5	1005.1		1.5	4.2	Ø	
06	-3.5	-11.0	6.5	-1.6	-1.4	-1.1	-0.6	1.0	1.9	77.5	1006.9		1.0	2.7	Ø	
07	0.9	-6.6	9.6	-1.3	-1.1	-0.9	-0.6	1.0	1.9	68.8	1001.9		1.4	4.6	NV	
08	2.0	-2.6	5.1	-1.0	-0.9	-0.7	-0.5	0.9	1.9	65.0	1004.4		1.9	4.5	NØ	
09	-0.1	-4.9	5.6	-0.8	-0.7	-0.5	-0.4	1.0	1.9	59.0	1013.9		2.0	4.9	N	
10	-1.1	-7.9	5.5	-1.1	-0.9	-0.7	-0.4	0.9	1.8	73.7	1002.9		1.9	4.8	S	
11	0.9	-0.9	1.7	-0.4	-0.5	-0.4	-0.3	1.0	1.8	94.7	971.7		3.7	6.5	N	
12	-4.5	-7.6	-1.0	-0.7	-0.5	-0.4	-0.2	1.0	1.8	68.3	985.3		4.4	7.4	NØ	
13	-6.9	-10.3	-4.3	-1.5	-1.2	-0.8	-0.3	1.2	1.8	73.3	990.8		1.5	3.3	Ø	
14	-5.1	-7.5	-2.3	-1.3	-1.2	-0.9	-0.4	1.1	1.8	81.2	991.5		2.0	3.6	N	
15	-6.2	-14.4	-1.2	-1.3	-1.1	-0.8	-0.5	1.2	1.7	83.8	1001.1		1.4	3.0	Ø	
16	-2.1	-3.9	0.0	-1.0	-0.9	-0.7	-0.5	1.1	1.7	92.0	994.5		2.0	3.4	N	
17	0.3	-1.5	2.0	-0.7	-0.6	-0.5	-0.3	1.0	1.7	93.1	989.4		2.4	5.1	N	
18	-0.2	-3.6	3.9	-0.6	-0.5	-0.4	-0.3	1.0	1.7	57.6	1007.2		2.4	4.8	NØ	
19	-4.6	-10.8	0.4	-1.0	-0.8	-0.6	-0.3	0.9	1.7	60.2	1021.0		1.5	2.9	NØ	
20	-2.7	-7.0	2.5	-1.0	-0.9	-0.7	-0.4	1.0	1.6	73.2	1016.1		1.4	3.7	Ø	
21	-1.8	-6.4	3.9	-0.8	-0.7	-0.5	-0.3	1.0	1.6	89.9	1010.6		1.8	4.9	S	
22	-0.5	-5.3	5.1	-0.7	-0.6	-0.4	-0.3	1.0	1.6	83.4	1006.2		1.4	4.4	SØ	
23	-0.4	-5.4	3.7	-0.6	-0.5	-0.3	-0.2	0.9	1.6	91.3	1003.3		1.4	3.6	SV	
24	1.7	-2.2	9.2	-0.3	-0.3	-0.2	-0.2	0.8	1.6	91.3	1005.6		1.5	4.2	SV	
25	1.5	-1.6	8.4	-0.2	-0.2	-0.1	-0.2	1.0	1.6	96.1	1006.9		0.7	2.0	SV	
26	5.1	-2.8	13.5	-0.1	-0.2	-0.1	-0.1	1.1	1.6	75.6	1006.4		1.3	3.3	Ø	
27	5.2	-0.2	11.9	0.1	-0.2	-0.1	-0.1	1.0	1.6	71.9	1008.7		1.2	3.7	SV	
28	5.5	-0.7	11.8	0.4	-0.1	-0.1	-0.1	1.1	1.6	67.6	1008.8		1.4	3.6	SV	
29	6.0	3.1	9.0	0.6	0.0	0.0	0.0	1.0	1.5	66.6	1015.9		2.4	4.0	NØ	
30	4.4	-1.4	9.5	1.2	0.3	0.0	0.0	1.1	1.5	67.2	1019.3		1.5	3.3	SV	
31	3.0	-4.1	10.8	0.7	0.3	0.1	0.0	1.1	1.5	74.1	1020.1		1.5	4.5	SV	
Mid.	-1.3	-6.3	3.8	-0.8	-0.7	-0.6	-0.3	1.0	1.8	76.6	1003.6		1.9	4.2		

Høyeste temperatur: 13.5

Laveste temperatur: -19.9

Normal temperatur (1931-1960): -1.2

Normal temperatur (1961-1990): -0.7

DATO	STRÅLING										Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	Global	MJ/m2		UV	%			E/m2		Albedo			
		Diffus	Balanse		Blå	Grønn	Rød	IRød	Par				
01	6.81	3.47	-1.56	5.3	7.9	23.5	5.2	58.2	13.8	0.74	-0.43		0.0
02	8.27	1.42	-1.61	4.6	1.6	26.0	1.7	66.1	16.4	0.69	-0.78		0.0
03	8.24	1.85	-1.41	4.6	5.8	23.4	3.1	63.2	16.7	0.63	-0.88		0.0
04	1.33	1.33	-0.74	7.0	13.9	24.0	9.1	46.0	3.1	0.61	-0.38		0.0
05	7.94	2.97	-0.39	4.6	6.0	24.2	2.9	62.4	16.2	0.56	-0.27		0.0
06	8.17	3.35	1.53	4.4	4.3	25.4	6.1	59.7	17.0	0.34	-0.41		0.0
07	8.89	1.68	2.15	4.2	6.6	24.9	3.1	61.2	18.4	0.26	-0.26		0.0
08	3.78	3.50	0.57	5.6	12.9	23.2	8.2	50.2	8.0	0.16	-0.15		0.1
09	9.35	1.93	1.56	4.2	6.9	24.0	2.1	62.7	18.9	0.30	-0.12		0.0
10	6.83	4.64	1.75	4.9	9.5	23.9	4.7	57.1	14.2	0.25	-0.30		0.7
11	2.50	2.38	1.50	6.4	13.2	24.3	8.7	47.4	5.8	0.17	0.13		7.9
12	9.80	3.58	0.85	4.7	7.6	23.7	2.6	61.4	20.0	0.46	-0.11		0.0
13	5.32	4.90	0.08	5.6	11.2	22.9	7.1	53.2	11.2	0.40	-0.62		0.4
14	7.24	5.43	0.42	5.4	10.2	23.7	5.4	55.3	15.2	0.64	-0.34		2.6
15	10.53	3.49	-1.44	4.7	3.7	26.9	3.0	61.7	21.6	0.74	-0.33		0.0
16	5.16	4.86	0.12	6.5	13.7	24.6	9.1	46.2	12.1	0.82	-0.16		6.2
17	4.39	4.04	0.33	6.6	14.3	25.5	9.2	44.4	10.5	0.77	-0.05		0.0
18	9.94	3.90	0.00	4.7	9.9	22.7	6.8	56.0	20.7	0.66	-0.03		0.0
19	11.41	4.10	-1.05	4.6	7.5	23.4	4.5	60.1	23.3	0.60	-0.37		0.0
20	8.62	7.17	0.13	5.2	11.3	23.7	7.1	52.9	18.4	0.60	-0.25		0.0
21	8.60	4.96	0.90	5.0	11.3	23.1	7.3	53.5	18.4	0.50	-0.08		0.0
22	9.28	6.81	1.92	4.8	10.7	23.0	7.3	54.2	19.8	0.37	-0.09		0.0
23	5.94	5.12	2.61	5.1	10.9	23.8	7.4	52.9	12.9	0.24	0.01		0.0
24	11.08	4.05	5.94	4.3	10.8	22.5	7.2	55.3	23.0	0.22	0.11		0.0
25	6.70	4.88	3.08	5.0	11.3	23.6	7.9	52.3	14.3	0.24	0.11		0.1
26	13.47	3.34	6.73	3.8	9.3	23.7	5.7	57.4	27.7	0.23	0.10		0.0
27	12.58	3.09	5.80	4.1	10.3	22.9	6.8	56.0	25.9	0.21	0.11		0.0
28	13.76	2.04	6.35	3.9	9.5	23.8	5.4	57.5	28.4	0.22	0.15		0.0
29	7.04	5.69	3.90	5.2	12.9	23.0	7.1	51.7	14.9	0.20	0.44		0.0
30	13.52	4.32	6.14	4.1	10.2	23.1	6.0	56.6	27.7	0.24	1.10		0.0
31	14.70	2.18	5.30	3.9	7.9	23.8	5.3	59.0	30.0	0.23	0.55		0.0
Sum	261.2	116.5	51.5						544.3		-3.55		18.0
Mid.	8.43	3.76	1.66	4.9	9.4	23.9	5.9	55.9	17.6	0.43	-0.11		

Normal nedbør (1931-60): 27 mm

Normal nedbør (1961-90): 48 mm

Meteorologiske data for Ås
April 2005

5

DATO				TEMPERATURER (°C)							FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)										Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)		(m/s)	(m/s)		
01	3.2	-2.2	9.4	1.0	0.5	0.3	0.0	1.1	1.5	78.8	1018.7		2.8	6.7	S	
02	4.6	-0.7	11.3	1.3	0.8	0.5	0.0	1.2	1.5	76.0	1015.0		3.4	7.5	S	
03	4.9	-2.7	11.9	1.4	1.0	0.8	0.0	1.1	1.5	68.8	1012.9		2.6	6.6	S	
04	5.8	0.6	9.6	1.6	1.2	1.0	0.1	1.0	1.5	80.1	1003.9		3.7	6.7	S	
05	6.0	1.4	9.5	2.9	2.3	1.9	0.4	1.1	1.5	76.6	995.0		5.3	8.6	S	
06	3.3	-3.1	8.1	1.5	1.3	1.3	0.7	1.2	1.5	74.7	996.3		4.5	9.1	S	
07	4.4	2.2	6.2	2.8	2.5	2.4	1.7	1.7	1.6	92.7	980.0		3.9	6.7	S	
08	3.6	1.1	7.8	3.6	3.3	3.1	2.3	2.1	1.6	83.9	982.2		2.0	4.2	SV	
09	4.4	1.2	9.9	4.3	3.8	3.7	2.9	2.4	1.7	65.0	995.0		3.1	5.2	N	
10	4.4	1.3	7.0	4.0	3.8	3.8	3.3	2.6	1.9	88.8	997.9		4.4	6.8	S	
11	10.5	4.7	16.7	5.6	5.1	4.8	3.8	2.8	2.0	59.8	997.8		5.3	10.3	SV	
12		8.1	4.1	13.8	5.9	5.6	5.6	4.6	3.1	2.2	67.0	996.1		5.3	8.3	S
13	5.7	1.9	9.5	5.4	5.2	5.2	4.6	3.5	2.4	72.0	995.5		4.0	7.0	S	
14	5.0	-0.6	9.5	5.9	5.7	5.6	4.9	3.9	2.6	76.8	997.3		1.3	2.8	SØ	
15	6.3	-2.3	14.4	5.6	5.3	5.3	4.7	4.2	2.8	70.3	1000.8		1.4	3.5	Ø	
16	6.8	1.8	9.8	5.7	5.6	5.6	5.1	4.3	2.9	86.1	1005.3		2.2	4.6	N	
17	7.3	5.5	10.0	6.1	5.9	5.9	5.2	4.5	3.1	74.8	1002.9		2.0	4.5	N	
18	7.2	4.6	10.6	6.4	6.1	6.1	5.4	4.6	3.2	54.9	1001.7		2.3	4.4	NØ	
19	6.1	-2.0	12.6	6.4	6.1	6.0	5.5	4.7	3.4	61.2	1003.6		1.4	3.1	NØ	
20	5.6	0.5	11.6	6.2	6.0	6.0	5.6	4.9	3.5	53.2	1008.2		2.1	4.9	NØ	
21	6.6	-1.3	13.5	6.0	5.8	5.9	5.5	5.0	3.7	51.3	1004.9		2.6	5.4	N	
22	5.1	-1.2	9.3	5.4	5.5	5.7	5.4	5.1	3.8	58.0	1006.6		1.5	3.7	N	
23	5.0	-2.4	12.0	5.8	5.6	5.7	5.3	5.0	3.9	63.9	1008.0		1.6	4.8	SV	
24	5.8	-3.1	12.6	5.7	5.6	5.8	5.3	5.0	4.0	61.1	1007.7		1.9	6.2	SV	
25	7.7	-2.4	15.7	6.4	6.1	6.1	5.5	5.1	4.1	60.6	1008.4		1.2	3.9	SV	
26	8.3	1.5	12.8	6.8	6.6	6.7	6.1	5.2	4.2	59.1	1009.6		2.3	6.4	SV	
27	7.1	-1.8	13.5	6.4	6.3	6.3	5.9	5.4	4.2	56.1	1007.3		2.1	5.3	Ø	
28	7.5	-1.5	14.5	6.7	6.4	6.4	6.0	5.4	4.3	52.8	1009.4		1.7	3.9	SØ	
29	7.5	5.7	9.2	6.4	6.4	6.5	6.2	5.6	4.4	75.4	1008.8		3.2	5.9	SØ	
30	8.5	7.0	12.0	8.1	7.7	7.4	6.6	5.7	4.5	87.3	1003.8		3.1	5.2	S	
Mid.	6.1	0.6	11.1	4.9	4.6	4.6	3.9	3.6	2.8	69.6	1002.7		2.8	5.7		

Høyeste temperatur: 16.7

Laveste temperatur: -3.1

Normal temperatur (1931-1960): 4.3

Normal temperatur (1961-1990): 4.1

DATO	STRÅLING										Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	MJ/m2			%					E/m2	Albedo			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	13.97	3.03	5.70	4.1	9.5	22.6	5.9	57.9	28.2	0.25	0.68		0.0
02	14.87	3.84	6.06	3.9	9.7	22.0	4.9	59.5	29.9	0.26	0.75		0.0
03	15.11	3.50	5.70	3.8	8.9	22.0	4.7	60.6	29.9	0.26	0.66		0.0
04	6.86	5.47	3.03	4.6	11.1	21.5	8.1	54.6	14.2	0.25	0.70		0.5
05	13.02	6.29	5.65	4.4	10.7	23.5	5.8	55.6	27.1	0.26	1.03		0.0
06	9.78	3.84	4.14	4.5	8.6	24.5	4.3	58.1	20.4	0.23	0.29		11.1
07	3.12	2.81	1.41	5.8	14.2	24.4	7.6	48.0	7.0	0.22	0.53		6.4
08	11.87	7.20	6.07	4.7	11.4	22.5	6.6	54.8	24.7	0.24	0.63		1.5
09	17.00	2.81	7.18	4.2	10.2	23.4	4.9	57.4	35.1	0.23	0.58		0.0
10	7.40	6.37	3.73	5.4	11.9	23.4	7.2	52.1	16.0	0.24	0.32		0.0
11	14.85	6.01	5.74	4.2	11.3	23.7	4.9	55.9	31.1	0.24	0.92		0.0
12	12.67	5.05	4.25	4.4	11.6	22.1	6.5	55.4	26.5	0.25	0.57		0.0
13	15.76	6.58	6.43	4.5	10.0	22.9	5.8	56.8	32.6	0.26	0.38		0.0
14	9.89	7.55	4.48	5.0	12.0	22.5	8.0	52.5	21.1	0.27	0.47		0.0
15	17.22	3.88	8.18	4.2	10.8	23.6	5.8	55.7	36.2	0.23	0.37		0.0
16	5.26	4.64	2.38	5.6	13.1	23.0	8.6	49.7	11.5	0.20	0.26		0.0
17	6.57	5.91	3.84	5.7	13.9	22.8	8.5	49.2	14.4	0.20	0.44		0.0
18	10.93	8.51	5.71	5.1	11.9	22.7	7.6	52.7	23.2	0.23	0.41		0.0
19	18.82	4.09	8.10	4.0	9.2	23.7	5.4	57.8	38.5	0.24	0.38		0.0
20	18.69	5.40	7.96	4.1	9.3	23.2	5.2	58.2	38.2	0.24	0.22		0.0
21	20.20	3.49	9.39	4.0	9.7	23.9	5.5	56.9	42.0	0.22	0.22		0.0
22	13.32	7.03	5.34	4.5	9.7	24.3	5.5	56.1	27.9	0.25	0.00		0.0
23	16.00	6.93	7.42	4.3	10.5	23.5	6.4	55.4	33.5	0.24	0.20		0.0
24	20.48	3.04	9.59	4.0	9.7	23.7	5.4	57.2	42.4	0.23	0.17		0.0
25	18.86	5.34	9.30	4.0	9.8	23.8	6.2	56.2	39.3	0.23	0.39		0.0
26	14.02	6.67	6.53	4.4	10.8	24.1	5.6	55.1	29.5	0.24	0.29		0.0
27	21.07	3.53	10.19	4.0	9.3	23.9	5.9	56.9	43.4	0.25	0.19		0.0
28	20.87	4.36	10.09	3.9	9.4	23.6	6.1	57.0	42.9	0.25	0.29		0.0
29	3.66	3.32	1.66	6.3	14.5	24.7	9.8	44.8	8.8	0.21	0.11		7.7
30	12.12	8.11	7.61	4.9	11.7	23.1	7.2	53.1	25.8	0.24	0.73		0.3
Sum	404.3	154.6	182.8						841.3		13.17		27.5
Mid.	13.48	5.15	6.09	4.6	10.8	23.3	6.3	55.0	28.0	0.24	0.44		

Normal nedbør (1931-60): 48 mm

Normal nedbør (1961-90): 39 mm

Meteorologiske data for Ås
Mai 2005

6

DATO				TEMPERATURER (°C)						FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)						rf(%)	(mbar)	Mid (m/s)	Max (m/s)	Retn.	
Mid	Min	Max	2	5	10	20	50	100							
01	9.2	6.5	14.1	8.9	8.5	8.3	7.3	6.0	4.6	82.3	1002.3	2.0	4.9	S	
02	8.4	6.8	9.3	8.0	7.9	7.9	7.4	6.4	4.7	90.6	1000.2	1.8	4.3	Ø	
03	10.0	7.9	14.8	9.4	8.9	8.6	7.7	6.5	4.8	90.3	997.5	2.1	5.0	S	
04	8.5	1.7	11.9	9.2	9.1	9.0	8.2	6.9	4.9	85.4	996.0	2.5	6.3	S	
05	6.7	-0.9	12.4	7.5	7.6	7.7	7.6	7.1	5.1	69.3	993.1	2.4	5.4	S	
06	7.6	0.2	13.9	7.8	7.7	7.7	7.3	7.0	5.2	64.2	986.2	2.0	7.0	SV	
07	6.6	0.2	12.1	7.7	7.6	7.8	7.4	7.0	5.3	60.1	983.7	2.3	8.0	SV	
08	5.2	-0.4	10.4	7.3	7.3	7.5	7.2	7.0	5.4	81.5	986.6	1.9	5.8	NØ	
09	6.4	2.8	10.7	7.5	7.5	7.6	7.2	7.0	5.5	75.9	993.3	2.0	5.5	N	
10	7.1	0.5	11.9	7.8	7.6	7.7	7.3	7.1	5.6	74.6	1000.7	1.9	7.0	N	
11	9.3	2.4	15.1	8.1	8.0	8.0	7.5	7.1	5.6	60.6	1004.3	2.6	6.1	SV	
12	10.7	2.5	16.8	8.6	8.3	8.3	7.7	7.2	5.7	48.2	1008.6	2.5	4.6	NV	
13	10.2	4.8	16.3	9.2	8.9	8.8	8.1	7.2	5.7	47.9	1012.0	2.4	4.5	N	
14	11.3	5.2	16.8	9.8	9.5	9.3	8.6	7.4	5.8	54.2	1006.7	3.0	6.3	S	
15	11.6	4.8	17.1	9.8	9.5	9.4	8.8	7.6	5.9	62.2	997.3	3.5	8.2	S	
16	5.7	3.6	9.8	8.9	8.9	9.0	8.8	7.9	6.0	77.8	991.1	4.5	7.8	N	
17	6.5	-2.0	11.9	7.9	7.9	8.1	8.0	7.9	6.1	60.6	996.8	2.8	7.2	S	
18	5.4	0.5	9.7	7.9	8.0	8.1	8.0	7.8	6.2	78.5	999.2	1.7	6.2	V	
19	7.7	-1.0	13.1	7.6	7.6	7.8	7.7	7.7	6.3	62.3	1006.3	3.6	7.3	S	
20	8.5	6.5	10.3	8.2	8.1	8.2	7.9	7.7	6.3	88.9	1006.6	3.4	6.6	SØ	
21	9.6	8.1	11.1	8.8	8.7	8.7	8.2	7.7	6.3	93.1	998.1	3.5	5.5	SØ	
22	11.7	8.2	16.9	10.2	9.8	9.6	8.7	7.8	6.4	85.5	998.7	2.9	5.0	S	
23	13.1	8.4	17.9	11.4	10.9	10.7	9.6	8.1	6.4	77.0	1001.1	3.0	5.8	S	
24	11.1	8.1	13.7	11.4	11.2	11.1	10.2	8.5	6.5	79.9	1003.0	4.8	8.7	S	
25	10.2	7.6	11.9	10.6	10.5	10.5	10.0	8.8	6.7	90.5	1005.6	2.8	4.5	S	
26	11.1	10.0	12.7	10.6	10.4	10.4	9.9	9.0	6.8	94.3	1000.1	5.1	8.7	S	
27	13.4	7.8	18.6	11.1	10.8	10.7	10.0	9.1	6.9	59.7	999.0	4.1	7.0	SV	
28	8.5	5.8	10.9	9.9	10.0	10.2	10.0	9.2	7.0	76.0	1003.4	1.8	3.5	N	
29	11.2	7.6	15.8	10.7	10.5	10.4	9.8	9.1	7.2	83.3	997.9	4.7	8.9	SV	
30	11.4	5.4	14.7	11.2	10.9	10.9	10.2	9.4	7.3	70.9	1000.8	2.2	4.9	NØ	
31	9.6	7.2	13.1	10.9	10.7	10.8	10.3	9.5	7.4	73.2	1003.3	2.7	4.4	NØ	
Mid.	9.1	4.4	13.4	9.2	9.0	9.0	8.5	7.7	6.0	74.2	999.3	2.9	6.2		

Høyeste temperatur: 18.6

Laveste temperatur: -2.0

Normal temperatur (1931-1960): 10.2

Normal temperatur (1961-1990): 10.3

DATO	STRÅLING										Jord-	Fordamp	Nedbør
	MJ/m2			%			E/m2				varmefflux	ning	(mm)
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par	Albedo	(MJ/m2)	(mm)	
01	12.71	7.83	6.93	4.9	12.0	22.9	7.2	53.0	27.3	0.24	0.71		0.0
02	2.12	1.96	1.09	7.0	16.4	25.3	9.9	41.5	5.3	0.11	0.21		3.6
03	11.01	8.23	7.15	5.2	13.1	23.1	7.5	51.2	23.8	0.22	0.82		0.1
04	7.67	5.62	3.72	5.4	12.3	23.3	8.2	50.7	16.7	0.26	0.39		0.1
05	13.54	9.65	6.46	5.0	11.1	23.9	6.8	53.3	29.1	0.23	-0.05		0.0
06	20.45	4.22	11.06	4.4	10.4	23.9	6.5	54.9	43.3	0.22	0.23		0.0
07	19.91	5.01	9.93	4.5	10.7	23.2	6.7	54.9	42.1	0.21	0.12		0.0
08	12.99	8.23	6.68	4.9	11.4	22.2	8.0	53.5	27.5	0.23	0.04		0.1
09	11.35	8.54	5.64	5.2	12.7	22.7	7.9	51.4	24.5	0.22	0.20		0.0
10	17.72	9.32	9.62	4.5	11.4	23.5	7.1	53.5	37.9	0.23	0.33		0.1
11	21.32	5.24	11.01	4.2	10.5	23.9	6.6	54.8	45.1	0.23	0.35		0.0
12	24.48	3.08	12.44	4.0	9.8	23.6	6.4	56.3	51.0	0.24	0.42		0.0
13	20.82	6.90	10.29				6.8	54.2	44.2	0.21	0.50		0.0
14	23.90	3.79	12.15				6.5	54.9	50.7	0.24	0.64		0.0
15	23.63	4.53	12.63				6.7	54.2	51.0	0.24	0.52		0.0
16	9.85	8.55	5.31				8.3	49.6	22.1	0.23	-0.12		4.0
17	24.25	4.07	12.04				6.6	55.5	51.1	0.25	0.10		0.0
18	12.24	8.61	5.50				7.3	52.8	26.5	0.24	0.06		0.8
19	21.28	4.81	10.51				6.6	55.1	45.2	0.26	0.12		0.2
20	3.05	2.73	1.50				9.8	43.4	7.3	0.24	0.15		10.6
21	2.69	2.41	1.55				8.7	43.9	6.5	0.20	0.36		18.0
22	14.50	8.86	8.12				7.1	52.4	30.8	0.24	0.90		0.0
23	21.91	9.26	12.80				6.9	53.8	46.6	0.24	1.02		3.6
24	22.96	7.32	12.25				6.8	53.9	48.6	0.25	0.59		0.0
25	6.08	5.33	2.97				8.8	49.1	13.5	0.21	0.24		2.8
26	2.82	2.52	1.26				8.6	44.7	6.7	0.23	0.29		7.3
27	23.79	8.10	13.33				6.1	54.3	50.5	0.24	0.66		0.0
28	4.88	4.09	2.12				10.6	48.5	11.1	0.20	-0.07		14.5
29	17.56	8.62	10.68				6.9	52.9	37.4	0.24	0.57		0.0
30	19.40	8.74	10.40				7.1	53.4	41.5	0.24	0.51		0.0
31	9.85	7.97	5.58				8.2	50.9	21.2	0.24	0.21		0.3
Sum	460.7	194.1	242.7						986.0		11.00		66.1
Mid.	14.86	6.26	7.83				7.5	51.8	31.8	0.23	0.35		

Normal nedbør (1931-60): 49 mm

Normal nedbør (1961-90): 60 mm

* P.g.a kalibrering mangler UV,blå og grønn/gul stråling fra 13.5.05

Meteorologiske data for Ås
Juni 2005

7

DATO	TEMPERATURER (°C)									FUKT.	TRYKK	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	9.8	1.4	15.9	10.8	10.7	10.7	10.2	9.5	7.5	65.8	1003.9	2.1	5.1	N
02	8.6	6.9	11.3	10.4	10.4	10.5	10.2	9.6	7.6	83.3	1000.2	2.8	6.7	S
03	9.9	7.6	11.5	10.6	10.4	10.4	10.0	9.6	7.6	88.2	996.5	1.5	2.7	Ø
04	11.7	10.6	13.2	11.3	11.0	10.9	10.3	9.7	7.7	93.6	989.0	1.7	3.3	NV
05	13.7	10.5	17.4	12.6	12.1	11.9	10.9	9.9	7.7	75.0	990.3	2.2	4.8	NV
06	10.0	7.0	12.6	11.6	11.6	11.7	11.3	10.1	7.8	50.1	999.8	3.8	6.0	N
07	11.0	5.3	16.5	11.2	11.0	11.1	10.8	10.0	7.9	46.3	1014.2	2.8	5.8	N
08	11.5	3.2	17.8	11.8	11.5	11.5	10.9	10.2	8.1	65.1	1018.8	1.6	4.3	SV
09	14.6	7.8	20.0	13.0	12.6	12.4	11.5	10.3	8.1	72.6	1010.3	3.2	6.7	S
10	13.6	9.0	17.6	12.5	12.4	12.4	11.8	10.5	8.2	44.4	999.4	3.7	6.4	N
11	11.9	7.8	16.1	12.6	12.3	12.3	11.7	10.6	8.3	63.8	995.8	2.8	5.5	N
12	10.9	9.8	13.5	12.5	12.3	12.4	11.8	10.8	8.4	86.0	990.4	2.7	5.2	N
13	10.9	9.4	14.6	12.8	12.6	12.5	11.9	11.3	8.5	84.4	994.5	2.4	5.8	NØ
14	11.0	8.5	13.2	12.5	12.4	12.4	12.0	11.7	8.7	84.3	1000.8	2.9	6.2	Ø
15	15.0	9.7	20.3	14.3	13.8	13.4	12.3	11.6	8.8	74.0	1006.9	2.3	4.8	SV
16	14.6	7.5	20.5	14.8	14.4	14.2	13.2	11.7	8.9	72.1	1007.9	2.1	6.4	SV
17	13.6	8.9	17.8	14.2	14.1	14.0	13.4	12.1	9.0	85.5	1004.1	2.4	6.5	S
18	14.7	9.2	21.1	15.1	14.6	14.3	13.3	12.0	9.2	57.2	1010.5	2.7	5.4	NV
19	15.9	7.0	21.9	15.7	15.2	14.9	13.9	12.3	9.3	62.1	1009.5	1.9	4.5	SV
20	16.5	11.4	20.6	16.0	15.6	15.4	14.4	12.5	9.4	78.9	1005.8	3.3	5.9	S
21	16.4	13.4	19.4	16.3	16.0	15.8	14.8	12.7	9.6	84.2	999.4	3.1	6.6	S
22	17.7	11.3	23.1	16.6	16.2	15.9	14.9	13.0	9.8	63.3	999.0	2.3	5.4	SV
23	17.0	10.0	22.6	16.6	16.2	16.0	15.1	13.2	9.9	73.4	1001.8	3.3	7.1	S
24	18.2	12.7	22.4	16.8	16.4	16.3	15.3	13.4	10.1	63.7	999.6	2.3	4.5	S
25	16.1	11.2	21.4	16.0	15.8	15.8	15.2	13.7	10.2	52.4	1002.8	3.0	6.1	N
26	15.3	9.0	21.0	15.9	15.6	15.5	15.0	13.8	10.4	53.7	1006.6	2.1	5.3	S
27	15.2	9.9	21.5	15.4	15.3	15.3	14.9	13.8	10.5	56.3	998.7	3.7	8.0	SV
28	15.6	9.7	20.3	15.5	15.2	15.1	14.7	13.7	10.7	48.4	999.2	3.1	5.2	NV
29	16.2	9.5	22.8	15.7	15.4	15.3	14.7	13.8	10.8	48.8	1000.5	2.5	6.4	N
30	17.2	8.2	22.8	16.3	15.9	15.9	15.0	13.9	10.9	59.6	1000.2	2.1	5.6	Ø
Mid.	13.8	8.8	18.3	13.9	13.6	13.5	12.8	11.7	9.0	69.6	1001.9	2.6	5.6	

Høyeste temperatur: 23.1

Laveste temperatur: 1.4

Normal temperatur (1931-1960): 14.4

Normal temperatur (1961-1990): 14.8

DATO	STRÅLING										Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	MJ/m2			%					E/m2	Albedo			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	20.23	9.94	10.10				7.5	54.2	42.3	0.25	0.33		0.0
02	9.13	7.90	4.79				8.6	50.0	20.1	0.23	-0.03		0.7
03	6.07	5.38	3.47				9.0	46.3	13.9	0.22	0.29		1.6
04	5.11	4.52	2.95				9.1	44.4	12.0	0.18	0.49		11.3
05	20.13	11.01	12.53				7.7	51.4	43.1	0.21	0.99		0.8
06	15.48	11.13	8.67				8.0	52.2	32.3	0.21	0.14		0.0
07	24.68	7.93	12.40				6.8	54.9	51.1	0.23	0.33		0.0
08	19.65	11.52	10.45				7.9	52.7	41.6	0.21	0.51		0.0
09	22.90	7.54	13.26				7.9	52.8	48.7	0.22	0.81		0.0
10	23.48	10.53	12.60				7.0	54.3	49.0	0.23	0.31		0.0
11	17.11	10.71	9.77				8.0	51.5	36.7	0.22	0.41		10.0
12	7.84	6.43	4.19				8.5	48.1	17.6	0.21	0.25		14.4
13	12.01	8.46	6.53				7.8	51.6	26.0	0.22	0.45		7.2
14	7.61	6.50	4.37				7.7	48.9	16.8	0.21	0.18		3.4
15	22.91	11.95	13.16				7.0	53.6	48.3	0.22	0.99		0.1
16	23.28	8.41	13.65				7.1	53.7	48.4	0.21	0.79		0.0
17	7.56	6.04	3.78				7.8	49.2	16.7	0.22	0.33		4.6
18	26.58	7.44	15.01				7.2	53.1	56.4	0.20	0.79		0.0
19	25.89	5.77	15.32				7.1	52.5	56.0	0.21	0.88		0.0
20	17.46	12.28	10.68				8.2	51.6	37.6	0.23	0.74		0.0
21	14.60	11.55	9.15				7.7	52.7	30.6	0.24	0.71		0.1
22	24.72	5.96	14.40				7.3	52.5	53.3	0.22	0.74		0.2
23	25.53	5.49	14.95				8.5	51.5	55.7	0.22	0.72		0.0
24	21.29	9.93	12.15	5.0	12.9	21.5	8.2	52.3	45.7	0.22	0.72		0.0
25	25.49	6.34	13.97	4.8	12.2	21.6	7.5	53.9	54.2	0.24	0.34		0.0
26	25.68	7.25	13.91	4.7	12.6	21.6	7.8	53.3	55.0	0.21	0.49		0.0
27	21.43	4.97	11.87	4.8	12.5	21.7	8.2	52.8	45.7	0.23	0.15		0.3
28	26.58	7.61	14.35	4.6	12.6	21.7	7.8	53.3	57.2	0.22	0.30		0.0
29	27.57	2.91	14.67	4.5	12.1	22.0	7.8	53.6	59.2	0.23	0.45		0.0
30	26.06	7.71	14.58	4.4	12.9	21.6	7.8	53.3	56.2	0.22	0.57		0.0
Sum	574.1	241.1	321.7						1227.6		15.16		54.7
Mid.	19.14	8.04	10.72				7.8	51.9	40.9	0.22	0.51		

Normal nedbør (1931-60): 70 mm

Normal nedbør (1961-90): 68 mm

* P.g.a kalibrering mangler UV,blå og grønn/gul stråling fram til 23.6.05

Meteorologiske data for Ås
Juli 2005

8

DATO				TEMPERATURER (°C)						FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)									Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)		(m/s)	(m/s)	
01	16.1	8.6	22.1	16.2	15.9	15.9	15.2	14.0	11.0	69.5	1003.1		1.1	2.9	Ø
02	17.8	10.8	22.9	17.2	16.7	16.5	15.6	14.0	11.0	70.0	1006.0		2.3	5.7	SV
03	17.7	12.8	22.2	17.3	16.9	16.8	15.9	14.1	11.1	73.2	1007.4		2.2	4.9	SØ
04	19.7	14.8	24.6	17.6	17.2	17.1	16.2	14.4	11.2	66.2	1004.1		2.0	4.9	Ø
05	20.3	15.5	24.9	17.3	17.0	16.9	16.2	14.5	11.4	52.1	1001.0		3.1	7.0	SØ
06	20.4	15.2	26.5	18.0	17.6	17.4	16.5	14.7	11.5	59.5	999.4		2.7	5.9	SØ
07	21.4	14.1	27.6	18.7	18.2	18.0	16.9	14.9	11.6	58.8	1001.8		2.0	5.9	NØ
08	21.8	11.8	28.9	19.1	18.5	18.3	17.2	15.1	11.8	58.2	1007.1		1.5	3.6	SV
09	22.4	13.8	29.5	19.3	18.8	18.6	17.5	15.3	11.9	54.9	1010.6		1.9	6.1	SV
10	20.9	13.6	26.8	19.0	18.6	18.4	17.5	15.5	12.0	65.1	1012.2		1.3	2.7	V
11	23.0	15.6	29.2	19.7	19.1	18.9	17.7	15.7	12.2	54.3	1016.1		2.5	5.4	N
12	21.2	15.9	27.0	19.6	19.1	19.0	17.9	15.9	12.3	73.3	1012.4		3.9	7.2	S
13	20.1	14.3	25.0	19.1	18.8	18.7	17.9	16.0	12.4	56.2	1003.9		3.3	6.7	NV
14	17.1	11.3	23.0	17.6	17.4	17.5	17.1	16.0	12.6	53.1	1002.0		2.6	5.8	NV
15	15.4	14.2	17.3	16.5	16.5	16.7	16.6	15.9	12.7	87.6	996.5		1.8	3.5	S
16	15.5	14.0	17.0	17.1	17.0	16.9	16.4	15.7	12.7	90.7	992.2		2.4	4.6	NV
17	17.1	13.9	21.8	17.7	17.4	17.2	16.6	15.7	12.8	76.1	994.5		2.0	4.6	NV
18	19.3	10.8	25.3	18.7	18.2	18.0	17.0	15.8	12.8	69.7	995.1		1.8	4.3	S
19	16.9	14.1	20.6	18.6	18.4	18.3	17.6	16.0	12.9	86.6	991.4		2.2	5.0	Ø
20	15.9	14.0	18.4	18.2	18.0	18.0	17.4	16.2	12.9	89.7	987.7		1.4	3.7	S
21	16.9	12.0	21.3	18.7	18.4	18.3	17.5	16.4	13.0	81.9	990.6		2.2	5.1	N
22	17.5	10.9	21.6	18.4	18.1	18.0	17.5	16.5	13.1	74.7	994.0		2.3	5.2	N
23	15.6	13.0	17.9	17.8	17.8	17.8	17.4	16.5	13.2	69.8	988.2		2.8	6.4	N
24	15.0	8.2	19.0	17.2	17.1	17.1	16.8	16.4	13.2	74.7	987.8		1.7	3.2	N
25	13.6	9.6	15.6	16.6	16.7	16.8	16.7	16.5	13.3	86.7	988.7		2.6	5.8	SØ
26	14.7	8.4	19.8	16.6	16.5	16.5	16.3	16.1	13.3	78.9	991.4		1.8	4.8	N
27	16.0	12.1	20.4	17.3	17.0	17.0	16.5	15.9	13.3	81.6	995.0		2.3	5.3	SV
28	14.6	10.7	16.8	16.4	16.5	16.6	16.5	16.0	13.3	78.5	1001.1		2.5	5.1	S
29	15.4	7.9	21.2	16.4	16.3	16.3	16.0	15.9	13.3	71.3	1003.5		1.2	3.1	NØ
30	16.8	10.9	21.2	16.6	16.5	16.5	16.2	15.8	13.3	76.6	999.2		2.1	5.1	Ø
31	14.5	9.6	17.2	15.9	15.9	16.1	16.0	15.7	13.3	85.7	996.3		2.2	3.8	NØ
Mid.	17.8	12.3	22.3	17.7	17.5	17.4	16.8	15.6	12.5	67.9	999.4		2.2	4.9	

Høyeste temperatur: 29.5

Laveste temperatur: 7.9

Normal temperatur (1931-1960): 16.8

Normal temperatur (1961-1990): 16.1

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	Global	MJ/m2		%				E/m2		Albedo			
		Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	17.17	12.72	9.21	5.2	13.9	21.4	8.6	51.0	37.2	0.23	0.48		0.0
02	25.33	6.84	14.31	4.5	13.1	21.6	7.9	52.9	54.8	0.22	0.81		0.0
03	19.73	12.07	11.53	4.9	13.3	21.2	8.5	52.1	42.7	0.22	0.70		0.0
04	15.96	10.65	9.20	5.3	14.0	21.8	8.8	50.2	35.0	0.22	0.71		0.4
05	25.03	4.68	14.68	4.6	12.4	21.7	8.3	53.1	53.7	0.22	0.60		0.0
06	24.13	9.26	14.83	4.5	12.5	21.7	8.1	53.2	51.8	0.22	0.76		0.8
07	26.44	4.73	16.04	4.4	12.6	21.9	8.1	53.0	57.0	0.22	0.85		0.3
08	26.09	4.04	15.57	4.4	12.7	21.6	8.5	52.9	56.7	0.20	0.83		0.0
09	24.04	8.26	14.45	4.5	12.8	21.7	8.5	52.5	52.4	0.20	0.74		0.0
10	15.11	11.56	8.67	5.3	13.1	21.9	9.1	50.6	33.2	0.19	0.62		0.0
11	25.75	3.53	15.30	4.6	12.6	22.0	8.0	52.8	56.2	0.20	0.78		0.6
12	25.15	4.04	15.67	4.7	12.6	22.1	8.6	52.1	55.7	0.21	0.65		0.0
13	23.96	5.61	13.73	4.6	12.8	21.6	8.1	52.8	51.7	0.20	0.41		0.0
14	20.58	7.98	11.93	4.8	12.5	21.5	8.5	52.7	44.2	0.18	0.10		0.0
15	4.01	3.53	1.68	6.6	15.2	22.5	10.2	45.5	9.5	0.14	-0.11		37.4
16	9.21	7.85	5.74	6.3	13.3	23.1	9.5	47.8	21.1	0.19	0.32		5.4
17	14.56	10.39	8.94	5.7	13.1	22.2	8.5	50.4	32.5	0.19	0.49		0.0
18	24.54	6.36	15.97	4.5	11.8	22.4	8.9	52.4	54.0	0.19	0.83		0.0
19	11.44	9.27	6.82	5.9	13.3	21.8	10.6	48.4	25.8	0.20	0.37		7.6
20	9.15	7.96	5.49	6.3	13.7	23.0	9.7	47.3	20.8	0.20	0.36		2.2
21	17.20	10.73	10.90	5.3	12.6	22.1	9.2	50.8	38.0	0.21	0.49		2.5
22	19.72	10.08	12.03	4.8	11.9	22.2	8.7	52.4	43.3	0.22	0.40		0.0
23	8.50	7.35	4.57	6.0	13.4	22.2	10.0	48.3	19.2	0.21	0.02		0.0
24	16.04	10.85	9.24	5.2	12.1	22.3	8.7	51.7	35.1	0.22	0.18		0.0
25	10.79	8.98	5.83	5.8	12.2	22.3	9.5	50.2	24.2	0.25	-0.03		3.8
26	15.49	10.82	8.87	5.0	12.1	21.7	9.0	52.1	34.0	0.23	0.14		0.0
27	17.91	9.28	10.58	4.9	12.3	22.2	9.5	51.0	39.6	0.21	0.27		0.0
28	10.87	8.80	6.06	5.4	12.5	20.8	10.1	51.2	23.5	0.24	-0.11		0.0
29	21.09	6.27	12.19	4.6	11.7	22.3	8.5	52.9	46.4	0.23	0.28		0.0
30	12.88	8.24	7.91	5.0	12.7	22.3	8.1	51.9	28.4	0.21	0.20		0.0
31	4.37	3.77	2.27	6.8	14.4	24.5	10.4	43.9	10.4	0.22	-0.09		22.5
Sum	542.2	246.5	320.2						1188.2		13.05		83.5
Mid.	17.49	7.95	10.33	5.2	12.9	22.1	8.9	51.0	38.3	0.21	0.42		

Normal nedbør (1931-60): 79 mm

Normal nedbør (1961-90): 81 mm

Meteorologiske data for Ås
August 2005

9

DATO				TEMPERATURER (°C)						FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)									Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)		(m/s)	(m/s)	
01	15.3	8.3	20.8	16.1	15.9	15.9	15.7	15.6	13.3	84.2	997.0		1.3	3.8	Ø
02	15.9	14.4	18.7	17.0	16.8	16.8	16.3	15.6	13.3	87.4	1002.3		2.0	4.9	SØ
03	15.1	12.8	17.3	16.5	16.5	16.5	16.2	15.5	13.3	82.2	1000.7		3.6	6.9	S
04	15.3	10.5	19.7	16.5	16.4	16.4	16.1	15.4	13.3	73.6	997.5		2.7	6.7	S
05	14.6	9.9	18.8	15.8	15.7	15.8	15.7	15.3	13.3	69.9	996.3		3.9	6.7	S
06	12.2	11.1	14.0	15.1	15.2	15.4	15.4	15.2	13.3	89.4	993.4		2.4	5.5	N
07	13.3	10.9	15.6	15.3	15.2	15.3	15.1	15.0	13.3	86.3	993.5		2.4	4.6	NØ
08	13.5	8.8	17.7	15.5	15.4	15.5	15.2	14.9	13.2	88.8	996.8		1.6	3.9	SØ
09	14.5	7.4	19.1	14.9	14.9	15.0	15.0	14.8	13.2	81.5	995.4		2.4	5.0	N
10	19.3	15.4	24.7	16.8	16.4	16.2	15.5	14.8	13.2	77.4	987.0		3.1	7.1	NV
11	17.8	15.2	22.5	17.9	17.5	17.3	16.4	15.0	13.2	80.6	987.4		1.8	3.8	N
12	17.4	14.0	20.6	18.1	17.8	17.7	16.9	15.3	13.1	75.5	990.8		2.0	3.9	NV
13	16.0	12.4	19.1	17.3	17.2	17.2	16.8	15.6	13.2	67.1	996.5		2.1	4.5	N
14	16.5	11.0	22.6	17.3	17.1	17.0	16.5	15.6	13.3	68.2	1000.4		1.9	3.8	N
15	17.0	13.1	21.5	17.5	17.3	17.3	16.7	15.6	13.3	79.6	1001.9		2.6	6.1	S
16	15.8	9.9	21.2	17.0	16.9	17.0	16.6	15.7	13.4	64.4	1002.0		2.4	6.4	NV
17	14.3	6.3	19.8	15.8	15.8	15.9	15.9	15.6	13.4	71.1	1007.0		1.8	3.9	S
18	16.2	14.5	18.8	16.5	16.4	16.4	16.1	15.5	13.5	83.3	1008.7		3.2	5.8	S
19	17.7	12.0	23.8	17.4	17.1	17.0	16.4	15.5	13.5	74.3	1008.4		1.4	3.2	SØ
20	17.3	9.8	25.3	17.1	16.9	16.9	16.5	15.6	13.5	75.3	1007.5		1.1	4.0	SV
21	18.4	11.9	24.4	17.9	17.6	17.5	16.9	15.7	13.5	76.0	1007.8		1.4	3.5	N
22	17.8	14.0	22.8	17.5	17.4	17.3	16.9	15.8	13.6	82.7	1003.6		2.8	6.5	S
23	15.8	12.1	16.9	17.1	17.1	17.1	16.9	15.9	13.6	93.0	999.0		2.9	5.4	S
24	14.7	11.9	17.4	16.3	16.3	16.4	16.3	15.8	13.7	80.7	995.8		3.4	6.5	S
25	12.3	9.0	13.8	15.1	15.3	15.5	15.7	15.7	13.7	91.2	986.1		3.5	5.9	SØ
26	12.5	7.5	17.6	14.9	14.9	15.0	15.1	15.4	13.7	76.9	988.0		2.8	6.9	S
27	12.0	7.3	16.3	14.2	14.4	14.6	14.8	15.2	13.7	71.6	995.6		3.6	6.9	S
28	12.0	4.3	16.9	13.6	13.8	14.0	14.3	15.0	13.6	80.2	998.5		3.3	7.2	S
29	16.7	12.0	21.0	15.2	15.0	15.0	14.7	14.7	13.6	73.8	995.5		6.0	9.6	S
30	13.7	7.5	19.2	14.3	14.4	14.5	14.6	14.7	13.5	59.9	1008.3		3.2	7.3	SV
31	11.8	3.9	18.2	13.9	13.9	14.1	14.2	14.6	13.4	80.7	1012.5		2.1	5.3	S
Mid.	15.3	10.6	19.5	16.2	16.1	16.1	15.9	15.4	13.4	71.8	998.7		2.6	5.5	

Høyeste temperatur: 25.3

Laveste temperatur: 3.9

Normal temperatur (1931-1960): 15.6

Normal temperatur (1961-1990): 14.9

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	Global	MJ/m2		%				E/m2		Albedo			
		Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	14.74	9.87	9.23	5.2	12.4	21.8	9.6	51.0	32.7	0.22	0.27		0.0
02	8.10	6.91	5.43	6.0	13.0	22.1	8.9	50.1	18.0	0.22	0.32		0.1
03	11.89	9.31	7.23	5.6	12.1	22.6	8.7	51.0	26.5	0.22	0.02		0.3
04	19.70	4.60	11.50	4.8	11.6	22.3	8.0	53.3	43.2	0.21	0.13		0.0
05	20.95	5.50	12.19	4.6	11.2	22.2	8.1	53.9	46.0	0.22	-0.10		0.0
06	6.28	5.42	3.64	6.3	13.4	22.8	9.4	48.1	14.5	0.19	-0.22		5.7
07	9.93	8.02	5.97	5.5	13.0	22.4	9.7	49.5	22.4	0.21	0.03		2.2
08	10.04	7.08	6.18	5.4	12.4	22.8	9.9	49.4	22.7	0.25	0.15		9.9
09	11.11	7.77	6.66	5.3	12.3	23.5	7.6	51.4	24.8	0.20	-0.04		0.2
10	14.24	8.43	9.32	4.8	12.0	22.4	8.1	52.8	31.6	0.21	0.69		2.9
11	15.58	9.35	9.75	4.9	12.2	22.7	8.1	52.2	34.6	0.21	0.71		1.8
12	16.62	10.22	10.56	4.9	11.9	22.2	8.2	52.7	36.7	0.21	0.57		0.2
13	12.66	9.40	7.34	5.3	12.0	21.9	9.1	51.7	28.0	0.22	0.13		0.1
14	19.08	4.88	11.57	4.7	11.4	22.2	8.3	53.4	42.2	0.21	0.41		0.0
15	18.74	6.02	10.66	4.7	11.1	22.4	8.0	53.8	41.4	0.22	0.46		0.0
16	18.70	5.04	11.12	4.6	10.8	22.4	7.7	54.4	40.6	0.23	0.07		0.0
17	14.45	9.00	8.16	5.0	11.6	22.5	8.3	52.7	32.1	0.20	0.02		0.0
18	7.98	6.69	5.63	5.8	12.5	22.1	8.4	51.2	17.6	0.22	0.27		0.0
19	15.85	7.87	9.33	4.6	11.5	22.3	8.1	53.5	34.9	0.22	0.65		0.0
20	16.63	6.70	10.44	4.6	11.3	22.5	8.1	53.5	36.6	0.21	0.42		0.2
21	15.62	7.44	9.29	4.7	11.0	22.6	7.7	53.9	34.4	0.21	0.52		0.0
22	12.84	8.72	7.86	4.9	11.0	22.0	7.7	54.3	28.0	0.21	0.26		3.9
23	2.89	2.56	1.55	7.1	15.2	23.0	8.7	46.1	6.7	0.20	0.00		16.0
24	15.17	5.22	9.05	5.2	11.1	22.6	6.7	54.5	33.1	0.22	-0.03		0.0
25	2.49	2.17	0.82	6.6	14.2	23.3	10.0	45.9	5.9	0.24	-0.45		21.3
26	16.49	3.99	8.64	4.9	10.8	22.1	6.8	55.4	35.5	0.22	0.00		0.0
27	16.01	5.25	7.72	4.9	10.2	22.3	6.4	56.2	34.4	0.24	-0.30		0.0
28	12.47	5.75	7.12	5.2	11.3	22.5	6.5	54.5	27.3	0.22	-0.24		0.0
29	12.25	5.05	6.54	5.0	12.0	22.9	6.9	53.2	27.3	0.25	0.33		4.1
30	14.06	8.02	6.19	4.9	11.0	22.7	6.2	55.2	30.5	0.23	-0.17		0.0
31	16.03	4.00	8.12	4.6	10.2	22.4	6.7	56.1	35.1	0.24	-0.19		0.0
Sum	419.6	206.2	244.8						925.2		4.68		68.9
Mid.	13.54	6.65	7.90	5.2	11.9	22.5	8.1	52.4	29.8	0.22	0.15		

Normal nedbør (1931-60): 96 mm

Normal nedbør (1961-90): 83 mm

Meteorologiske data for Ås
September 2005

10

DATO				TEMPERATURER (°C)						FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)									Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)		(m/s)	(m/s)	
01	14.1	6.1	20.7	14.3	14.2	14.2	14.2	14.5	13.4	79.4	1010.0		1.5	3.5	Ø
02	14.1	12.5	16.1	14.4	14.4	14.5	14.4	14.5	13.3	89.7	1009.5		2.2	4.2	SØ
03	13.5	7.5	19.1	14.7	14.6	14.7	14.5	14.5	13.2	74.8	1017.9		1.9	5.1	NV
04	13.2	6.7	18.5	14.0	14.0	14.2	14.2	14.5	13.2	83.4	1014.1		3.1	7.0	S
05	15.2	10.5	21.1	14.8	14.7	14.6	14.4	14.4	13.2	80.0	1005.3		2.7	4.9	S
06	15.8	9.9	21.4	15.2	15.0	15.0	14.7	14.4	13.1	81.0	999.7		2.8	5.9	SØ
07	15.3	14.2	16.2	15.1	15.1	15.1	14.8	14.5	13.1	92.3	990.9		4.6	7.0	S
08	15.3	10.3	18.5	14.8	14.8	14.9	14.7	14.6	13.1	80.4	990.6		4.9	9.0	N
09	10.1	2.6	16.4	13.2	13.4	13.7	14.0	14.5	13.1	68.4	1003.1		1.4	4.0	Ø
10	10.5	4.0	16.1	12.8	13.0	13.2	13.6	14.3	13.1	67.1	1008.9		1.8	3.7	NØ
11	9.9	1.9	15.7	12.0	12.2	12.5	12.9	14.0	13.0	79.1	1005.8		2.0	5.2	S
12	13.2	5.3	19.1	12.9	12.9	13.1	13.1	13.8	12.9	64.4	999.9		2.6	5.5	NV
13	9.7	3.4	14.6	11.3	11.6	11.9	12.4	13.8	12.9	86.6	1003.9		3.1	7.6	S
14	15.9	12.4	19.5	13.6	13.4	13.4	13.0	13.4	12.8	69.0	984.2		6.1	9.4	S
15	9.8	4.3	13.6	12.2	12.4	12.7	12.9	13.6	12.7	66.9	991.9		2.3	6.8	N
16	6.9	1.1	13.6	10.8	11.1	11.5	12.0	13.5	12.6	70.2	996.6		1.4	3.3	N
17	7.3	-1.1	13.1	9.5	9.9	10.3	11.1	12.9	12.5	69.4	1002.4		2.8	7.1	S
18	12.6	8.8	15.5	11.2	11.2	11.3	11.4	12.7	12.4	81.2	1001.1		3.7	6.6	SV
19	14.3	9.7	18.2	12.4	12.2	12.2	12.0	12.6	12.3	77.6	1006.7		4.3	8.5	S
20	13.8	7.6	17.0	12.8	12.8	12.8	12.6	12.8	12.2	79.5	1003.7		4.9	7.7	S
21	11.3	6.7	16.1	11.8	12.0	12.1	12.3	12.9	12.1	70.9	1009.3		2.2	3.9	S
22	12.4	9.5	15.1	11.9	12.0	12.1	12.1	13.0	12.1	87.0	1009.9		3.9	6.9	S
23	13.6	10.9	16.3	12.6	12.6	12.6	12.5	12.8	12.0	86.3	1005.2		2.8	5.5	S
24	12.6	2.5	16.8	12.6	12.7	12.8	12.7	12.9	12.0	69.1	1002.1		3.0	5.6	S
25	7.7	0.6	11.6	10.6	10.9	11.2	11.7	13.0	12.0	89.9	1003.5		1.0	2.6	N
26	13.4	11.4	16.2	12.5	12.4	12.3	12.1	12.7	12.0	89.1	1001.2		2.9	5.2	S
27	13.4	12.3	14.2	12.7	12.6	12.7	12.5	12.7	11.9	89.5	996.1		5.0	8.2	S
28	10.9	6.4	14.7	12.1	12.3	12.4	12.4	12.8	11.9	81.7	994.7		3.4	6.7	S
29	9.3	3.9	13.5	10.8	11.1	11.3	11.7	12.9	11.9	86.4	995.0		3.0	7.1	SØ
30	10.4	8.8	12.8	11.4	11.5	11.6	11.7	12.8	11.8	88.3	1000.4		2.9	6.6	S
Mid.	12.2	7.0	16.4	12.7	12.8	12.9	13.0	13.5	12.6	78.3	1002.1		3.0	6.0	

Høyeste temperatur: 21.4

Laveste temperatur: -1.1

Normal temperatur (1931-1960): 10.9

Normal temperatur (1961-1990): 10.6

DATO	STRÅLING										Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	Global	MJ/m2 Diffus	Balanse	UV	Blå	% Grønn	Rød	IRød	E/m2 Par	Albedo			
01	15.63	3.49	8.26	4.6	10.4	22.9	6.4	55.8	34.3	0.23	0.13		0.0
02	1.80	1.69	0.70	6.6	14.6	20.8	11.8	46.3	4.2	0.17	-0.03		10.1
03	15.57	3.04	8.60	4.7	10.4	22.6	6.6	55.7	33.9	0.26	0.07		0.0
04	11.75	7.19	5.89	5.0	11.3	22.6	6.9	54.2	25.5	0.24	-0.07		0.0
05	13.60	5.68	6.73	4.6	10.8	22.5	6.8	55.4	29.7	0.26	0.28		0.0
06	14.04	4.14	7.29	4.4	10.1	22.2	6.1	57.2	30.0	0.26	0.24		0.0
07	2.84	2.57	0.92	6.7	15.9	23.5	8.1	45.7	6.8	0.22	0.09		4.3
08	4.53	3.51	1.10	6.0	13.2	22.6	8.5	49.7	10.3	0.27	-0.02		0.2
09	12.65	4.14	5.38	4.9	9.5	21.9	6.2	57.5	27.0	0.22	-0.46		0.0
10	14.59	1.58	6.71	4.6	9.9	22.4	6.0	57.1	31.5	0.26	-0.29		0.0
11	9.67	6.68	5.29	5.2	10.9	21.5	7.8	54.6	21.0	0.22	-0.41		0.0
12	13.87	1.68	6.53	4.6	9.9	23.0	5.5	57.0	30.2	0.27	-0.14		0.0
13	3.63	3.28	1.53	6.4	12.6	21.7	9.7	49.5	8.2	0.20	-0.49		5.4
14	9.15	9.36	4.70	4.9	11.4	23.1	6.4	54.2	20.1	0.26	0.29		1.0
15	9.80	5.57	4.39	5.2	10.0	21.9	6.9	55.9	21.2	0.26	-0.50		0.0
16	13.32	1.68	5.39	4.5	8.9	22.4	5.8	58.4	28.3	0.25	-0.65		0.0
17	13.04	1.77	5.22	4.5	8.7	22.4	5.6	58.8	27.8	0.27	-0.67		0.0
18	5.57	4.30	2.43	5.1	12.2	22.8	7.5	52.3	12.5	0.24	0.07		7.2
19	11.88	2.61	5.33	4.6	9.9	23.7	6.0	55.8	26.4	0.26	0.27		0.0
20	6.25	5.05	2.00	5.5	11.9	22.6	7.3	52.7	13.8	0.26	0.14		0.0
21	8.66	5.35	2.68	5.0	10.8	22.5	6.8	54.8	18.9	0.23	-0.23		0.0
22	5.02	4.40	1.62	6.0	12.9	21.9	6.8	52.5	11.1	0.24	-0.05		0.0
23	4.97	4.09	1.79	5.5	10.6	22.7	7.5	53.7	10.7	0.28	0.14		0.0
24	10.67	1.92	4.49	4.6	9.4	23.0	5.2	57.7	23.0	0.28	-0.05		0.1
25	3.43	3.06	1.73	5.9	11.4	22.9	7.5	52.3	7.4	0.17	-0.51		0.0
26	5.28	4.14	2.66	5.5	11.8	21.1	7.8	53.8	11.4	0.26	0.32		0.5
27	1.56	1.53	0.18	6.9	13.9	20.0	11.6	47.6	3.7	0.24	0.10		5.3
28	9.51	2.24	2.56	4.8	9.5	22.1	4.9	58.7	20.4	0.27	-0.14		0.2
29	4.04	3.55	1.25	5.9	11.4	20.1	9.2	53.4	8.7	0.22	-0.41		1.6
30	5.03	3.93	2.50	5.5	10.8	24.3	5.5	53.9	10.7	0.24	-0.01		8.6
Sum	261.3	113.2	115.8						568.8		-2.97		44.5
Mid.	8.71	3.77	3.86	5.3	11.2	22.3	7.2	54.1	19.0	0.24	-0.10		

Normal nedbør (1931-60): 86 mm

Normal nedbør (1961-90): 90 mm

Meteorologiske data for Ås
Oktober 2005

11

DATO				TEMPERATURER (°C)						FUKT.		TRYKK	VIND(10m)		
Hytte				Jord(cm)									Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)		(m/s)	(m/s)	
01	11.3	8.9	12.7	11.6	11.7	11.8	11.8	12.5	11.8	91.9	992.7		5.1	8.5	S
02	8.8	4.3	13.4	11.0	11.2	11.4	11.6	12.6	11.8	93.5	1000.9		1.7	3.5	S
03	9.7	4.4	17.2	10.4	10.6	10.8	11.3	12.3	11.7	83.1	1009.8		2.0	5.7	S
04	10.0	2.7	18.1	10.0	10.2	10.4	10.9	12.1	11.6	80.4	1018.0		1.6	3.4	S
05	10.2	5.7	13.6	10.8	10.8	11.0	11.0	12.0	11.6	91.3	1017.8		2.2	4.3	S
06	9.5	3.0	15.2	9.9	10.1	10.3	10.7	11.8	11.5	86.5	1016.0		2.5	4.8	S
07	11.9	10.3	13.7	11.3	11.2	11.2	11.1	11.8	11.4	90.3	1016.4		2.5	3.9	S
08	10.9	7.7	13.7	11.3	11.3	11.4	11.3	11.9	11.4	91.5	1008.4		2.3	4.2	Ø
09	12.3	8.6	14.3	11.8	11.7	11.8	11.6	11.8	11.3	79.5	1002.0		4.0	8.3	S
10	12.2	9.5	14.2	11.3	11.3	11.4	11.5	11.9	11.3	81.6	1009.3		4.5	8.2	S
11	12.9	6.7	16.7	11.9	11.9	11.9	11.7	11.9	11.3	82.4	1011.6		3.1	6.3	S
12	9.8	4.6	13.8	10.8	11.0	11.2	11.5	12.0	11.3	86.0	1011.5		1.9	3.8	Ø
13	9.8	3.4	12.9	10.2	10.3	10.5	10.9	11.8	11.3	90.8	1009.6		2.3	4.6	Ø
14	9.5	4.9	12.8	10.0	10.3	10.5	10.9	11.7	11.2	61.5	1012.9		2.7	5.2	NV
15	3.9	-1.5	12.8	7.5	8.1	8.7	9.7	11.4	11.2	74.7	1022.5		1.0	3.1	NØ
16	2.4	-2.5	10.8	6.1	6.8	7.3	8.5	11.0	11.1	82.3	1025.7		0.6	1.8	NØ
17	1.3	-3.8	9.8	5.0	5.7	6.3	7.6	10.4	11.0	85.3	1023.7		0.7	2.4	NØ
18	0.6	-2.4	3.1	5.5	5.9	6.2	7.1	9.9	10.8	98.3	1018.6		0.9	1.8	Ø
19	1.8	-0.6	3.8	6.2	6.5	6.7	7.3	9.6	10.6	98.3	1010.7		1.1	2.1	Ø
20	2.4	-0.9	5.8	6.2	6.4	6.7	7.3	9.3	10.4	98.4	993.8		1.6	3.8	N
21	7.2	1.8	11.1	6.8	6.9	7.1	7.4	9.2	10.2	91.1	986.1		2.6	6.2	S
22	4.0	1.5	8.1	6.7	6.9	7.1	7.6	9.0	10.0	93.2	982.0		3.8	6.6	N
23	1.0	0.3	2.0	5.6	5.9	6.3	7.0	8.9	9.8	90.0	992.4		2.6	4.5	N
24	-0.9	-5.2	5.1	3.6	4.3	4.9	6.1	8.6	9.7	80.9	1004.8		1.3	4.0	Ø
25	0.5	-2.0	1.6	3.0	3.4	4.0	5.1	8.1	9.5	92.7	985.1		2.0	3.8	NØ
26	2.1	-1.4	8.7	3.7	4.0	4.4	5.1	7.6	9.3	89.3	986.4		1.0	3.0	V
27	1.7	-2.4	4.1	3.3	3.7	4.1	4.8	7.4	9.0	94.0	1007.4		0.6	1.4	NØ
28	10.0	4.1	12.5	6.0	5.8	5.7	5.5	7.2	8.8	89.0	1006.6		4.3	7.7	S
29	10.7	10.0	11.6	8.1	7.8	7.7	7.1	7.4	8.6	95.3	1004.2		4.0	6.7	S
30	9.7	9.4	10.4	8.4	8.3	8.2	7.8	7.9	8.4	96.0	1004.0		2.5	3.9	SØ
31	10.3	9.6	10.7	8.8	8.6	8.6	8.2	8.2	8.4	96.4	1000.9		3.3	5.3	S
Mid.	7.0	3.2	10.8	8.2	8.3	8.6	8.9	10.3	10.6	79.3	1006.2		2.3	4.6	

Høyeste temperatur: 18.1

Laveste temperatur: -5.2

Normal temperatur (1931-1960): 5.7

Normal temperatur (1961-1990): 6.2

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	Global	MJ/m2 Diffus	Balanse	UV	Blå	% Grønn	Rød	IRød	E/m2 Par	Albedo			
01	1.71	1.44	-0.03	6.3	14.3	26.4	7.0	46.1	4.1	0.29	-0.07		28.7
02	5.29	4.09	2.07	5.8	11.1	21.3	7.2	54.5	11.2	0.28	-0.24		0.2
03	8.22	1.82	2.88	4.8	9.2	23.2	4.9	57.9	17.7	0.27	-0.41		0.0
04	8.46	1.61	2.81	4.7	8.5	23.2	5.4	58.3	18.5	0.27	-0.37		0.0
05	4.29	3.50	1.30	5.6	12.3	21.4	6.9	53.8	9.2	0.27	-0.08		0.2
06	8.24	3.04	3.66	4.5	10.4	25.7	1.8	57.7	17.1	0.24	-0.33		0.0
07	2.07	1.99	0.99	6.4	13.0	23.7	6.9	50.1	4.6	0.23	0.16		0.0
08	1.72	1.67	0.87	6.6	11.7	22.6	8.4	50.7	3.8	0.26	0.01		0.0
09	5.51	5.67	1.42	4.9	10.0	23.0	4.3	57.8	11.8	0.28	0.09		1.6
10	4.50	3.99	1.59	5.4	11.5	21.9	6.8	54.4	9.7	0.25	-0.01		0.0
11	4.36	3.86	0.88	5.0	10.0	22.4	6.1	56.5	9.3	0.29	0.09		0.0
12	4.79	4.31	1.49	4.8	8.4	18.9	6.2	61.8	9.6	0.26	-0.30		0.0
13	2.39	2.18	0.98	6.1	10.9	22.8	7.6	52.6	5.0	0.18	-0.28		0.6
14	6.57	4.55	0.88	4.8	8.7	24.3	3.3	58.8	13.8	0.29	-0.48		0.0
15	6.67	1.70	0.68	4.5	6.5	22.2	4.1	62.6	13.7	0.26	-1.06		0.0
16	6.58	1.10	1.22	4.5	6.0	24.2	4.0	61.3	13.8	0.27	-1.11		0.3
17	6.31	1.19	1.34	4.6	5.3	26.5	1.8	61.8	13.3	0.26	-1.16		0.2
18	2.43	2.41	1.30	6.1	10.2	22.5	8.1	53.1	5.0	0.09	-0.68		0.3
19	1.86	1.83	0.92	6.5	13.3	22.5	7.0	50.6	4.0	0.22	-0.41		0.4
20	0.76	0.76	0.37	7.4	11.2	25.2	8.4	47.7	1.8	0.18	-0.52		16.7
21	4.87	2.29	1.20	4.9	8.4	22.4	3.7	60.7	10.3	0.27	-0.17		0.0
22	0.88	0.90	0.06	7.3	18.4	16.6	11.0	46.7	2.1	0.13	-0.52		14.0
23	2.29	2.20	0.14	6.7	12.3	22.7	7.8	50.7	5.0	0.22	-0.70		0.9
24	5.36	1.02	-0.96	4.5	2.6	24.1	3.5	65.4	10.6	0.27	-1.23		0.2
25	0.59	0.56	-0.31	7.6	10.9	18.5	20.4	42.5	1.8	0.67	-0.91		18.7
26	4.67	1.03	0.19	5.0	6.6	23.9	3.5	61.1	10.1	0.42	-0.52		1.6
27	1.39	1.24	0.47	6.0	21.9	20.8	7.0	44.3	2.7	0.12	-0.63		1.0
28	0.34	0.33	0.20	7.4	22.4	17.6	11.1	41.5	0.8	0.44	0.57		2.8
29	0.42	0.43	0.28	7.5	13.1	29.7	4.8	44.9	1.0	0.18	0.68		13.4
30	0.39	0.40	0.22	6.7	15.1	24.7	7.4	46.1	0.9	0.21	0.32		1.2
31	0.39	0.38	0.07	6.4	18.9	22.2	6.9	45.6	0.9	0.20	0.34		0.7
Sum	114.3	63.5	29.2						243.0		-9.91		103.7
Mid.	3.69	2.05	0.94	5.8	11.4	22.8	6.6	53.5	7.8	0.26	-0.32		

Normal nedbør (1931-60): 86 mm

Normal nedbør (1961-90): 100 mm

Meteorologiske data for Ås
November 2005

12

DATO				TEMPERATURER (°C)						FUKT. TRYKK		VIND(10m)		
Hytte				Jord(cm)						rf(%)	(mbar)	Mid (m/s)	Max (m/s)	Retn.
Mid	Min	Max	2	5	10	20	50	100						
01	8.6	7.4	11.2	8.4	8.4	8.5	8.4	8.4	8.4	93.0	997.0	2.4	3.9	SØ
02	9.1	7.1	11.3	8.4	8.5	8.5	8.5	8.6	8.5	89.4	998.6	3.2	6.1	S
03	10.2	7.7	12.8	8.8	8.6	8.6	8.5	8.6	8.5	93.0	994.4	4.3	7.7	Ø
04	11.5	9.9	12.4	10.3	10.1	10.1	9.6	9.0	8.6	91.7	993.1	5.5	7.7	S
05	9.1	5.0	10.7	9.4	9.5	9.6	9.5	9.3	8.7	93.8	996.4	1.9	3.8	SØ
06	8.5	4.7	11.7	8.8	8.9	9.0	9.1	9.4	8.8	94.6	998.7	2.9	8.7	S
07	9.7	5.9	11.3	9.3	9.4	9.5	9.3	9.4	8.9	89.4	998.8	4.7	8.9	S
08	8.8	4.4	10.9	8.3	8.4	8.6	8.9	9.4	8.9	88.5	1003.8	5.5	8.9	S
09	9.9	5.9	11.1	9.1	9.1	9.2	9.1	9.3	9.0	89.1	1002.4	4.6	7.3	S
10	7.3	3.3	10.1	7.7	8.0	8.3	8.7	9.3	9.0	85.5	1000.5	5.3	9.3	S
11	6.1	2.6	10.6	6.8	7.2	7.5	8.1	9.2	9.0	85.7	998.6	2.6	5.7	SØ
12	9.3	7.4	11.2	7.8	7.9	8.0	8.1	8.9	9.0	79.5	991.6	5.7	9.6	S
13	6.5	1.1	9.7	6.9	7.2	7.5	7.9	8.8	8.9	81.5	997.8	3.5	8.5	S
14	8.3	2.4	10.8	6.7	6.8	7.0	7.4	8.7	8.9	77.8	985.4	8.8	12.9	S
15	5.6	-2.2	11.5	6.1	6.6	6.9	7.4	8.5	8.8	54.6	975.2	4.0	9.3	NV
16	0.0	-4.4	4.4	3.6	4.3	4.8	6.1	8.3	8.8	68.4	982.5	1.9	4.2	NV
17	-2.5	-5.9	3.0	1.5	2.3	3.0	4.6	7.8	8.7	81.5	993.5	1.0	2.9	NV
18	-1.1	-5.3	3.9	1.0	1.6	2.2	3.6	7.2	8.5	71.2	1005.8	1.8	4.5	NV
19	-1.8	-5.5	3.9	0.7	1.3	1.9	3.1	6.6	8.3	84.9	1009.0	0.6	1.9	Ø
20	-1.0	-4.9	2.7	0.6	1.2	1.7	2.8	6.0	8.1	87.5	1011.3	1.0	2.1	Ø
21	0.8	-0.4	2.1	0.8	1.3	1.7	2.6	5.6	7.8	92.3	1019.0	2.4	5.0	SØ
22	1.6	0.7	2.5	2.0	2.2	2.4	2.9	5.3	7.5	98.3	1023.0	0.9	3.1	N
23	1.2	0.0	2.3	2.8	2.9	3.1	3.4	5.2	7.3	99.1	1017.2	1.2	5.3	N
24	4.6	1.6	6.0	3.7	3.7	3.8	3.8	5.3	7.1	96.3	987.9	3.7	7.9	S
25	2.5	1.0	4.8	3.8	4.0	4.2	4.2	5.4	6.9	90.2	983.3	3.1	6.3	NØ
26	0.8	-0.4	1.6	2.8	3.1	3.5	3.9	5.6	6.7	89.1	987.2	2.7	4.7	N
27	-0.3	-1.4	0.7	2.3	2.7	3.0	3.6	5.5	6.7	94.8	987.0	0.8	2.1	Ø
28	-2.4	-7.4	-0.1	1.8	2.2	2.7	3.3	5.3	6.6	93.4	984.9	1.1	2.7	NØ
29	-7.6	-10.1	-4.6	0.5	1.0	1.6	2.6	5.1	6.5	95.2	983.4	0.7	1.7	Ø
30	-6.5	-10.2	-1.0	0.0	0.5	1.0	2.0	4.8	6.4	88.1	987.5	1.1	3.0	Ø
Mid.	3.9	0.7	6.7	5.0	5.3	5.6	6.0	7.5	8.1	87.2	996.5	3.0	5.8	

Høyeste temperatur: 12.8

Laveste temperatur: -10.2

Normal temperatur (1931-1960): 0.9

Normal temperatur (1961-1990): 0.4

DATO	STRÅLING										Jord-	Fordamp	Nedbør
	MJ/m2			* %					E/m2		varmeflux	ning	(mm)
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par	Albedo	(MJ/m2)	(mm)	**
01	0.24		-0.09	7.5		46.0		46.5	0.6	0.02	0.01		0.7
02	3.47	1.13	-0.01	5.1		32.5		62.4	7.3	0.27	0.02		14.1
03	0.31	0.35	0.09	8.1		46.3		45.6	0.7	0.15	0.28		12.9
04	0.92	0.90	-0.13	7.5		48.0		44.5	2.0	0.27	0.39		29.6
05	1.07	1.08	-0.45	6.5		38.7		54.8	2.2	0.22	-0.12		
06	1.49	1.43	0.49	6.5		41.5		52.0	3.1	0.18	-0.12		
07	2.55	1.41	-1.13	5.7		36.5		57.9	5.4	0.26	0.04		11.1
08	0.40	0.49	-0.78	5.5		22.8		71.7	0.6	0.21	-0.24		0.0
09	0.40	0.37	-0.39	7.7		53.2		39.1	0.9	0.17	0.08		1.4
10	0.43	0.44	-2.57	7.0		33.5		59.4	0.9	0.23	-0.52		4.2
11	1.98	1.67	-0.94	5.6		35.4		58.9	3.9	0.22	-0.58		2.4
12	1.51	1.23	-1.62	6.0		43.3		50.7	3.2	0.24	-0.08		
13	1.70	1.02	-2.34	5.1		27.3		67.6	3.4	0.16	-0.47		
14	0.91	0.93	-1.70	7.3		45.6		47.1	1.9	0.16	-0.30		4.9
15	1.58	1.34	-2.92	5.6		33.3		61.1	3.0	0.29	-0.75		0.0
16	2.20	0.78	-2.37	5.0		27.7		67.3	4.4	0.24	-1.32		0.0
17	2.21	0.67	-2.34	4.9		25.8		69.3	4.4	0.16	-1.55		0.0
18	2.14	0.57	-2.80	4.8		24.7		70.5	4.3	0.20	-1.28		0.0
19	2.00	0.96	-1.32	4.7		26.4		68.9	4.0	0.08	-1.10		
20	1.55	1.23	-0.88	5.6		32.9		61.5	3.1	0.17	-0.96		
21	0.31	0.31	0.15	6.7		46.9		46.4	0.6	0.24	-0.73		0.1
22	0.69	0.67	0.40	7.0		43.1		49.8	1.4	0.20	-0.31		0.4
23	0.57	0.57	0.31	7.5		43.0		49.5	1.2	0.16	-0.20		0.6
24	0.25	0.26	0.00	8.1		45.9		46.1	0.6	0.26	0.04		0.7
25	0.24	0.21	-0.54	7.0		58.6		34.4	0.5	0.38	-0.25		28.5
26	0.78	0.77	-1.32	7.4		38.9		53.7	1.6	0.20	-0.56		
27	0.68	0.66	-0.70	6.7		41.9		51.4	1.4	0.25	-0.58		
28	0.58	0.54	-1.25	7.1		46.0		46.9	1.2	0.44	-0.67		0.2
29	1.38	1.07	0.30	5.4		36.0		58.6	2.5	0.24	-1.02		0.5
30	1.37	0.52	-1.71	5.6		20.5		73.9	2.8	0.30	-0.87		0.0
Sum	35.9	23.6	-28.6						73.0		-13.69		112.3
Mid.	1.20	0.81	-0.95	6.3		38.1		55.6	2.4	0.22	-0.46		

Normal nedbør (1931-60): 83 mm * Når innstrålingen er lav er usikkerhet i spektralstrålingen stor. Blå , grønn/gul og rød er slått sammen.

Normal nedbør (1961-90): 79 mm

** Nedbør er registrert manuelt kl. 8 på hverdager.

Meteorologiske data for Ås
Desember 2005

13

DATO	TEMPERATURER (°C)									FUKT.	TRYKK	VIND(10m)		
	Hytte			Jord(cm)								Mid	Max	Retn.
	Mid	Min	Max	2	5	10	20	50	100	rf(%)	(mbar)	(m/s)	(m/s)	
01	-2.6	-9.2	0.3	-0.1	0.4	0.8	1.7	4.4	6.2	95.7	992.2	0.8	3.3	Ø
02	1.0	-0.7	3.0	0.1	0.4	0.9	1.6	4.2	6.1	94.5	997.2	1.6	4.0	Ø
03	0.0	-0.3	0.2	0.2	0.5	0.9	1.6	4.0	6.0	88.5	996.7	1.7	3.4	NØ
04	0.5	0.1	0.7	0.3	0.6	1.0	1.6	3.8	5.8	92.7	994.1	2.8	3.7	NØ
05	1.0	0.5	1.5	0.4	0.7	1.1	1.6	3.7	5.7	93.3	995.4	2.9	4.3	NØ
06	1.3	0.7	1.8	0.6	0.9	1.3	1.6	3.7	5.5	93.6	999.2	3.7	5.3	N
07	0.8	0.2	1.1	0.9	1.1	1.4	1.7	3.6	5.4	93.3	1003.8	3.1	4.2	N
08	-0.5	-5.7	0.4	1.2	1.4	1.7	1.9	3.6	5.3	93.6	1014.5	2.3	3.3	N
09	-4.9	-8.4	-3.2	1.0	1.2	1.6	1.9	3.6	5.1	96.9	1024.0	0.9	9.2	Ø
10	-0.1	-5.0	3.7	1.0	1.2	1.6	1.8	3.5	5.1	97.9	1016.6	3.7	14.8	S
11	4.2	1.8	6.9	1.5	1.6	1.9	2.0	3.5	5.0	91.3	1006.0	2.3	6.5	SV
12	2.2	-2.8	6.9	1.0	1.3	1.8	2.1	3.5	4.9	62.5	1010.8	2.2	4.9	SV
13	0.1	-2.4	3.4	0.4	0.7	1.2	1.7	3.5	4.9	81.3	1007.8	0.9	3.4	Ø
14	-0.8	-4.2	4.1	0.3	0.6	1.0	1.5	3.3	4.8	89.8	998.5	1.6	6.7	NØ
15	0.3	-5.6	5.3	0.2	0.5	0.9	1.3	3.2	4.7	81.1	980.7	1.7	8.1	N
16	-3.8	-7.7	-0.5	-0.1	0.3	0.7	1.2	3.1	4.6	77.7	977.8	1.4	3.4	NV
17	-4.6	-9.4	0.4	-0.5	0.0	0.4	1.0	3.0	4.6	78.0	987.4	1.7	7.0	N
18	-5.1	-10.6	0.4	-0.6	-0.1	0.3	0.9	2.9	4.5	84.1	996.6	1.2	5.1	NØ
19	-4.4	-11.0	-0.3	-0.6	-0.2	0.2	0.8	2.8	4.4	95.3	995.9	0.9	2.6	V
20	-8.9	-12.3	-4.4	-0.4	-0.2	0.2	0.7	2.7	4.3	94.1	1006.9	7.7	29.4	NØ
21	-4.5	-8.7	-1.1	-0.4	-0.2	0.2	0.6	2.6	4.2	96.6	1006.3	2.6	26.7	SØ
22	-2.1	-6.9	0.0	-0.2	-0.1	0.2	0.7	2.5	4.2	98.4	1001.3	3.1	30.0	N
23	-0.8	-6.8	2.7	-0.2	-0.1	0.3	0.7	2.5	4.1	98.0	998.4	1.9	5.3	S
24	-1.1	-6.5	1.8	-0.2	-0.1	0.4	0.7	2.5	4.1	90.4	996.8	1.6	4.4	N
25	-1.7	-6.8	3.0	-0.6	-0.2	0.3	0.6	2.5	4.0	71.7	1003.7	2.4	7.9	NV
26	-1.9	-4.4	2.0	-0.6	-0.3	0.2	0.6	2.4	3.9	64.6	1012.6	6.0	8.6	N
27	-5.9	-8.4	-4.3	-0.9	-0.5	0.0	0.4	2.3	3.8	76.1	1021.1	4.0	6.0	N
28	-6.3	-7.8	-5.4	-1.1	-0.6	-0.1	0.3	2.3	3.7	81.2	1017.5	4.2	5.8	N
29	-4.9	-5.5	-4.4	-1.1	-0.8	-0.3	0.2	2.2	3.7	80.9	1007.2	5.9	7.9	N
30	-4.0	-5.9	-3.0	-0.7	-0.5	-0.1	0.2	2.1	3.6	92.7	994.7	2.0	5.8	N
31	-2.3	-3.4	-1.4	-0.6	-0.4	0.0	0.2	2.0	3.6	89.4	992.0	2.5	5.1	NØ
Mid.	-1.9	-5.3	0.7	0.0	0.3	0.7	1.1	3.1	4.7	87.6	1001.7	2.6		

Høyeste temperatur: 6.9

Laveste temperatur: -12.3

Normal temperatur (1931-1960): -2.3

Normal temperatur (1961-1990): -3.4

DATO	STRÅLING									Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **
	MJ/m2			* %				E/m2	Albedo			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par			
01	0.25	0.29	-0.09	7.3		46.9		45.8	0.4		-0.75	2.9
02	0.39	0.37	-0.55	8.6		47.6		43.8	0.8	0.61	-0.64	2.0
03	0.18	0.18	-0.34	9.1		46.2		44.7	0.4	0.49	-0.58	
04	0.27	0.28	-0.20	9.0		52.5		38.5	0.6	0.74	-0.53	
05	0.22	0.24	-0.15	9.6		65.2		25.2	0.5	0.80	-0.48	3.4
06	0.30	0.30	-0.04	8.1		47.9		44.0	0.7	0.49	-0.38	5.6
07	0.45	0.43	-0.12	7.6		43.4		49.0	0.9	0.38	-0.27	5.1
08	0.52	0.52	-0.61	9.2		48.4		42.4	1.2	0.78	-0.24	2.7
09	0.67	0.59	0.05	6.6		47.8		45.6	1.6	0.43	-0.42	0.0
10	0.33	0.33	0.11	8.1		42.2		49.7	0.7	0.61	-0.35	
11	0.60	0.55	-1.21	5.4		43.1		51.5	1.2	0.36	-0.14	
12	1.02	0.60	-4.14	5.5		13.2		81.3	2.0	0.11	-0.53	5.6
13	0.70	0.68	-1.32	6.9		38.0		55.1	1.4		-0.57	0.0
14	1.03	0.76	-2.00	4.6		27.1		68.3	1.9	0.16	-0.52	0.0
15	1.03	0.77	-2.78	5.0		22.2		72.7	2.0	0.28	-0.48	0.0
16	0.87	0.74	-2.75	5.7		37.7		56.6	1.7	0.31	-0.52	0.0
17	1.23	0.91	-2.56	3.7		19.7		76.6	1.9	0.15	-0.56	
18	0.92	0.73	-2.27	6.0		23.0		71.0	1.9	0.32	-0.54	
19	0.44	0.43	-0.09	6.7		43.1		50.2	0.8	0.32	-0.61	0.4
20	1.01	0.38	-0.37	5.2		51.8		43.0	2.0	0.84	-0.49	3.0
21	0.58	0.60	-0.04	8.0		47.3		44.7	1.2	0.67	-0.45	0.0
22	0.73	0.51	0.19	6.5		32.8		60.7	1.6	0.61	-0.30	2.5
23	0.22	0.23	0.15	8.0		49.0		42.9	0.5		-0.32	0.4
24	1.00	0.33	-2.56	5.4		18.8		75.8	2.0	0.38	-0.22	
25	0.98	0.30	-3.47	5.6		21.7		72.7	2.0	0.32	-0.39	
26	0.89	0.37	-3.79	6.3		25.9		67.8	1.8	0.46	-0.52	
27	0.45	0.41	-2.06	7.5		46.5		46.1	0.9	0.45	-0.73	1.1
28	0.52	0.51	-0.96	7.7		43.9		48.4	1.1	0.51	-0.81	0.0
29	0.42	0.43	-0.61	7.6		43.9		48.5	0.9	0.50	-0.70	0.0
30	0.55	0.53	-0.59	7.8		47.7		44.5	1.2	0.78	-0.36	2.9
31	0.35	0.34	-0.68	8.9		54.3		36.8	0.8	0.89	-0.24	
Sum	19.1	14.6	-35.9						38.5		-14.65	39.7
Mid.	0.62	0.47	-1.16	7.0		40.0		53.0	1.2		-0.47	

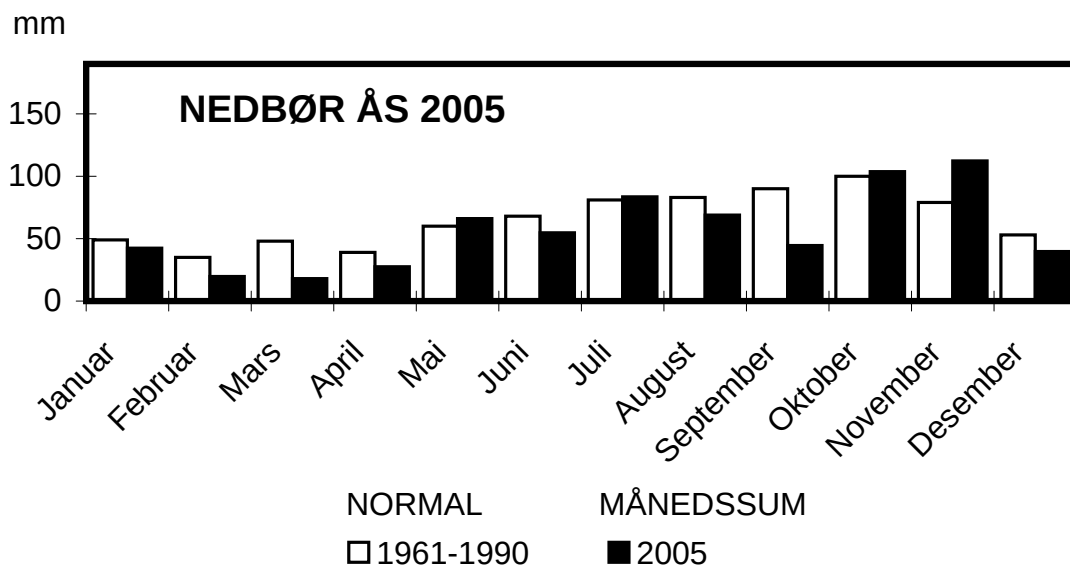
Normal nedbør (1931-60): 72 mm * Når innstrålingen er lav er usikkerhet i spektralstrålingen stor. Blå , grønn/gul og rød er slått sammen.

Normal nedbør (1961-90): 53 mm

** Nedbør er registrert manuelt kl. 8 på hverdager. Avlest nedbør 2.1.06 på 3.6mm kom 2.6 mm fra 30.12 kl.8 til 31.12.05 kl.24

NEDBØR 2005 OG NORMAL 1961-90

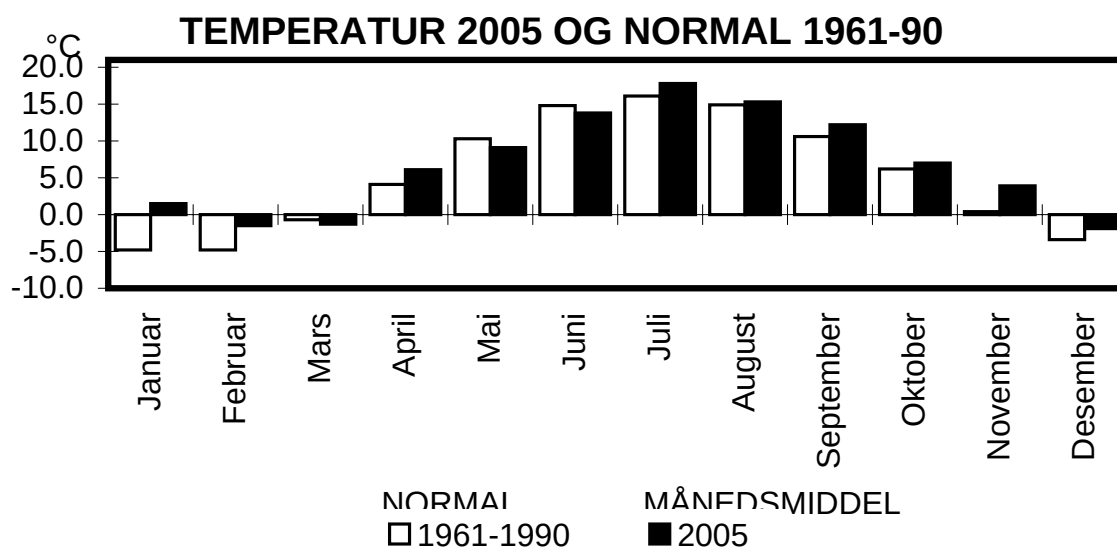
Måned	Nedbør mm	
	1961-1990	2005
Januar	49	42.4
Februar	35	19.7
Mars	48	18.0
April	39	27.5
Mai	60	66.1
Juni	68	54.7
Juli	81	83.5
August	83	68.9
September	90	44.5
Oktober	100	103.7
November	79	112.3
Desember	53	39.7
Året	785	681.0



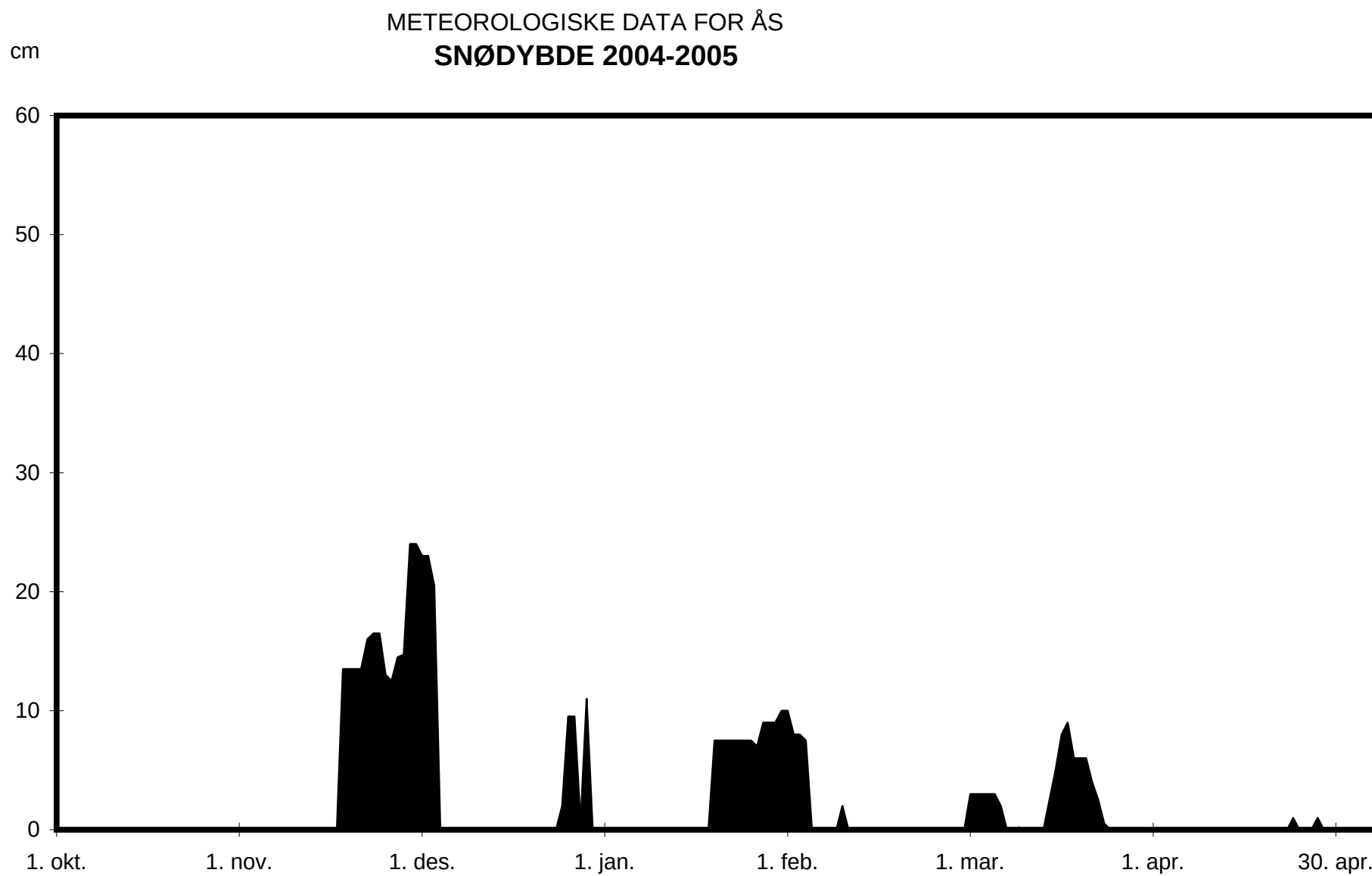
Figur 1.

TEMPERATUR 2005 OG NORMAL 1961-90

Måned	Temperatur °C	
	1961-1990	2005
Januar	-4.8	1.5
Februar	-4.8	-1.5
Mars	-0.7	-1.3
April	4.1	6.1
Mai	10.3	9.1
Juni	14.8	13.8
Juli	16.1	17.8
August	14.9	15.3
September	10.6	12.2
Oktober	6.2	7.0
November	0.4	3.9
Desember	-3.4	-1.9
Året	5.3	6.8



Figur 2.



Figur 3.