

METEOROLOGISKE DATA FOR ÅS 2003

FELTSTASJON FOR AGROKLIMATISKE STUDIER, SØRÅS
INSTITUTT FOR MATEMATISKE REALFAG OG TEKNOLOGI
NORGES LANDBRUKSHØGSKOLE

ISBN 82-7636-015-7



Meteorologiske data for Ås 2003

Vidar Thue Hansen og Arne Auen Grimenes
Institutt for matematiske realfag og teknologi
Norges landbrukshøgskole

Ås, februar 2004
ISBN 82-7636-015-7

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 - normal

1961 - 1990	14
-------------------	----

Temperatur - normal

1961 - 1990	15
-------------------	----

Snødybde	16
----------------	----

VÆRET PÅ ÅS 2003.

Alle observasjoner er gjort på NLHs Feltstasjon for agroklimatiske studier, FAGKLIM, på Søråsfeltet ved Ås sentrum.

Koordinater: Breddegrad: 59° 40', Lengdegrad: 10° 51', m.o.h : 93.3

Årsmiddeltemperaturen lå 0.9 grader over normalen, mens nedbøren var omtrent som normalt. Året startet kaldt med januarmiddel på -4.8 grader (samme som normalen), men de tre påfølgende månedene var alle varmere enn normalt.

Perioden juni-september var også varmere enn normalt, og julitemperaturen var hele 1.8 grader høyere. Men noen rekorder ble det ikke.

Oktober var kald med middeltemperatur 3.4 grader under normalen. Desember var svært varm med middeltemperatur 0.3 grader, som er 3.7 grader høyere enn normalt. Dette er imidlertid ikke noe uvanlig, temperaturen i desember måned kan svinge svært mye fra år til år.

Når det gjelder nedbøren må vi tilbake til 1983 for å finne en mai måned med mer nedbør, og oktober skiller seg ut den andre veien med svært lite nedbør, 31 mm mot normalt 100 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 10m høyde. Kolonnen merket "max" m/s viser den maksimale vindhastigheten som er målt i løpet av døgnet.

Loggesystemet foretar en avlesning av alle variable hvert tiende sekund. Middelerdien 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 $\text{E}/\text{m}^2 = 6.02 \times 10^{23}$ 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 2003

2

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Mid	Hytte Min	Max	Jord(cm)					Mid (m/s)			Max (m/s)	Retn.	
				2	5	10	20	50	100					
01	-13.4	-17.5	-7.9	-0.1	0.1	0.5	0.8	2.4	3.3	89.1	991.2	0.6	1.9	N
02	-10.0	-11.2	-7.9	-0.1	0.2	0.5	0.8	2.5	3.3	87.4	986.4	2.7	3.6	N
03	-14.3	-20.4	-11.1	0.0	0.1	0.5	0.8	2.6	3.3	83.9	993.3	2.1	3.7	N
04	-20.8	-25.7	-16.6	0.0	0.2	0.5	0.8	2.6	3.3	85.4	999.1	0.9	3.5	Ø
05	-15.2	-19.2	-13.1	-0.1	0.1	0.5	0.8	2.6	3.2	82.8	1000.3	3.2	6.4	N
06	-18.3	-22.4	-14.2	-0.1	0.1	0.4	0.8	2.6	3.2	86.6	1009.6	0.7	1.9	Ø
07	-14.7	-19.4	-8.7	-0.1	0.1	0.5	0.8	2.6	3.2	88.9	1006.7	0.5	1.6	NØ
08	-14.6	-17.3	-11.0	-0.1	0.1	0.5	0.8	2.5	3.2	89.4	1007.4	0.6	1.3	NØ
09	-14.4	-20.2	-6.5	-0.1	0.1	0.4	0.7	2.6	3.2	89.3	1006.8	0.8	1.8	Ø
10	-9.6	-15.8	-6.2	-0.1	0.1	0.4	0.7	2.6	3.2	92.4	1015.7	1.5	5.2	SØ
11	-1.9	-6.2	2.2	-0.1	0.1	0.4	0.7	2.5	3.1	93.1	1005.6	2.8	4.7	S
12	-1.5	-7.5	2.1	-0.1	0.1	0.4	0.7	2.3	3.1	93.8	996.6	2.2	6.9	S
13	-1.0	-3.5	0.7	-0.1	0.1	0.4	0.7	2.5	3.0	83.9	993.1	2.0	4.5	S
14	3.7	-0.8	6.8	-0.1	0.1	0.4	0.7	2.3	3.0	64.7	984.7	5.2	11.0	S
15	3.5	1.6	5.0	0.0	0.1	0.5	0.7	2.2	3.0	87.7	981.6	4.8	7.5	S
16	2.8	-1.0	6.1	0.0	0.1	0.4	0.7	2.2	3.0	60.7	984.7	4.2	7.9	S
17	4.0	2.2	4.6	0.0	0.1	0.5	0.7	2.2	2.9	93.0	987.9	7.6	10.9	S
18	3.4	2.1	4.8	0.0	0.1	0.4	0.6	2.1	2.9	77.3	983.9	5.7	8.7	S
19	1.6	0.2	2.8	0.0	0.1	0.5	0.7	2.2	2.8	89.8	992.0	2.6	6.6	S
20	2.2	-0.1	3.5	0.0	0.1	0.5	0.7	2.1	2.7	95.7	982.8	4.9	8.2	S
21	3.2	2.6	3.6	0.0	0.1	0.3	0.4	1.8	2.7	96.6	978.1	4.3	7.2	S
22	2.1	1.3	2.6	0.0	0.1	0.3	0.4	1.7	2.6	97.2	984.6	1.1	3.2	Ø
23	-0.1	-5.2	1.4	0.0	0.1	0.4	0.5	1.8	2.5	80.6	1003.5	2.7	6.8	N
24	-3.1	-9.1	2.4	0.0	0.1	0.5	0.6	2.3	2.5	91.2	1014.5	3.2	8.0	S
25	3.0	2.2	3.9	0.0	0.1	0.4	0.5	2.1	2.5	96.0	999.3	4.2	7.3	S
26	1.7	-1.7	3.7	0.0	0.1	0.3	0.4	1.9	2.5	87.5	994.7	2.1	5.0	S
27	1.1	-2.2	6.3	0.0	0.1	0.4	0.5	1.9	2.4	88.7	988.7	1.2	3.8	Ø
28	-1.5	-2.9	1.1	-0.2	0.0	0.3	0.5	2.3	2.4	89.7	976.4	1.9	3.6	N
29	-3.9	-8.8	-1.4	-0.6	-0.1	0.2	0.4	2.2	2.4	81.3	986.0	2.1	6.2	N
30	-9.9	-13.7	-6.9	-2.2	-1.0	-0.1	0.4	2.3	2.4	80.3	993.2	1.8	3.8	N
31	-12.5	-16.6	-6.7	-4.3	-2.9	-1.5	0.2	2.6	2.4	80.6	1004.3	1.1	3.5	Ø
Mid.	-4.8	-8.3	-1.8	-0.3	0.0	0.3	0.6	2.3	2.9	86.6	994.6	2.6	5.4	

Høyeste temperatur: 6.8

Laveste temperatur: -25.7

Normal temperatur (1931-1960): -5.2

Normal temperatur (1961-1990): -4.8

DATO	STRÅLING										Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **
	MJ/m2			* %					E/m2				
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par	Albedo			
01	1.28	1.15	-0.02	4.8		37.0		58.2	2.7	0.70	-0.29		
02	0.50	0.49	-0.27	8.7		49.5		41.9	1.2	0.90	-0.29		0.7
03	0.91	0.70	-1.26	7.6		31.5		61.0	2.0	1.02	-0.28		0.7
04	1.63	0.87	-0.44	4.1		14.4		81.4	2.6	0.50	-0.28		
05	0.83	0.75	-1.08	6.9		46.3		46.8	1.8	0.89	-0.29		
06	1.33	0.86	-0.76	5.7		14.7		79.6	2.8	0.56	-0.29		0.1
07	1.01	0.67	-0.88	7.5		27.6		64.9	2.3	0.80	-0.29		0.0
08	1.40	0.64	-0.80						3.0	0.85	-0.29		0.0
09	1.19	1.04	0.06	6.0		41.2		52.8	2.6	0.65	-0.38		0.0
10	1.12	0.99	-0.02	6.1		43.4		50.5	2.4	0.73	-0.29		0.5
11	0.61	0.57	-1.20	7.3		49.3		43.4	1.4	0.82	-0.28		0.0
12	0.85	0.73	-1.75	5.8		38.2		55.9	1.6	0.78	-0.27		0.0
13	1.23	1.07	-1.52	6.5		35.4		58.1	2.6	0.66	-0.23		0.0
14	0.93	0.69	-3.09	7.0		35.4		57.5	2.0	0.82	-0.26		0.0
15	1.16	0.94	-2.69	6.8		42.7		50.5	2.6	0.76	-0.26		0.0
16	1.51	0.60	-4.24	5.9		18.5		75.5	3.2	0.70	-0.26		0.0
17	0.78	0.84	-0.57	6.1		44.0		50.0	1.8	0.71	-0.25		0.0
18	1.78	0.51	-4.53	5.5		20.6		73.8	3.8	0.61	-0.22		
19	0.60	0.66	-0.74	7.1		42.8		50.0	1.2	0.57	-0.22		
20	0.93	0.93	0.41	7.1		45.7		47.2	2.2	0.76	-0.22		15.8
21	0.34	0.35	0.48	8.9		51.8		39.3	0.9	0.64	-0.17		13.2
22	0.50	0.52	0.37	8.8		52.0		39.2	1.2	0.54	-0.12		3.8
23	0.93	0.82	-2.15	7.6		47.5		45.0	2.0	0.59	-0.14		0.9
24	0.51	0.55	-1.37	7.4		41.4		51.2	0.8	0.40	-0.15		
25	0.34	0.35	0.54	8.8		54.6		36.7	0.9	0.37	-0.16		
26	1.95	1.35	-0.84	5.7		30.2		64.1	3.8	0.25	-0.12		
27	2.42	0.69	-2.22	5.4		23.4		71.2	5.0	0.24	-0.15		17.4
28	2.11	1.62	-1.25	5.8		31.8		62.4	4.1	0.27	-0.20		0.0
29	1.66	1.27	-2.97	7.3		39.5		53.2	3.5	0.71	-0.28		0.1
30	2.09	1.56	-4.70	6.4		28.7		64.9	4.0	0.61	-1.79		0.2
31	3.02	1.05	-5.28	5.1		19.7		75.2	5.7	0.52	-2.81		0.0
Sum	37.4	25.8	-44.8						77.9		-11.54		53.4
Mid.	1.21	0.83	-1.44	6.7		36.6		56.7	2.5	0.64	-0.37		

Normal nedbør (1931-60): 55 mm

* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Normal nedbør (1961-90): 49 mm

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

Meteorologiske data for Ås
Februar 2003

3

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	-3.5	-13.9	0.0	-2.7	-2.3	-1.7	-0.1	2.0	2.4	94.7	994.9	5.2	8.6	S
02	0.1	-0.9	0.9	-1.0	-0.9	-0.7	-0.1	2.0	2.4	95.9	978.3	6.1	10.7	S
03	0.2	-0.6	1.1	-0.7	-0.6	-0.5	-0.1	1.8	2.4	93.9	968.0	2.8	5.5	SØ
04	-0.8	-2.2	0.1	-0.5	-0.5	-0.3	0.0	2.0	2.4	92.0	977.2	1.8	2.8	NØ
05	-6.8	-12.9	-1.9	-0.4	-0.4	-0.2	0.0	1.6	2.3	80.9	993.8	2.1	4.7	N
06	-11.0	-17.5	-7.6	-0.7	-0.5	-0.3	0.0	1.7	2.3	86.8	1002.9	1.2	2.9	Ø
07	-2.3	-7.5	0.5	-0.7	-0.6	-0.3	0.0	1.7	2.2	94.8	1001.5	2.4	5.0	S
08	1.3	0.4	2.1	-0.4	-0.4	-0.1	0.0	1.9	2.2	96.5	1005.3	4.4	6.3	S
09	0.9	-0.9	2.2	-0.3	-0.3	-0.1	0.0	1.7	2.2	94.7	1010.1	5.3	7.1	S
10	-1.2	-1.4	-0.8	-0.2	-0.2	0.0	0.1	1.9	2.2	90.9	1014.7	3.3	6.0	S
11	-0.9	-1.9	-0.3	-0.2	-0.2	0.0	0.1	1.8	2.2	84.9	1016.5	2.9	5.0	S
12	-0.7	-1.7	0.4	-0.2	-0.1	0.0	0.1	1.7	2.1	91.4	1021.1	1.4	3.3	S
13	-1.6	-4.3	-0.3	-0.2	-0.1	0.0	0.1	1.9	2.1	92.6	1022.2	1.6	2.7	NV
14	-3.9	-7.4	1.8	-0.2	-0.1	0.0	0.1	2.0	2.1	86.9	1022.7	1.6	3.0	N
15	-4.7	-8.3	-2.7	-0.6	-0.3	-0.1	0.1	2.0	2.1	94.6	1028.7	1.3	2.7	SØ
16	-3.1	-5.3	-2.1	-0.5	-0.4	0.0	0.1	2.1	2.1	89.6	1028.9	1.8	3.6	SV
17	-7.1	-11.6	-2.1	-0.8	-0.5	-0.1	0.1	1.9	2.1	86.3	1027.2	1.4	2.8	N
18	-6.6	-11.9	1.5	-1.5	-1.0	-0.4	0.1	1.9	2.1	83.2	1025.2	0.8	2.3	NØ
19	-5.2	-11.3	4.1	-1.9	-1.4	-0.8	0.0	1.9	2.1	82.2	1017.7	0.8	2.3	NØ
20	-3.8	-9.4	5.3	-2.0	-1.6	-0.9	-0.1	2.0	2.1	80.3	1014.2	0.9	2.6	N
21	-4.9	-12.0	1.8	-2.4	-1.9	-1.2	-0.3	1.8	2.1	88.6	1016.8	1.4	4.0	S
22	-1.3	-2.1	-0.9	-1.2	-1.1	-0.7	-0.3	1.8	2.1	89.7	1021.6	1.6	4.4	N
23	-2.6	-3.8	-1.8	-1.0	-0.9	-0.6	-0.2	1.7	2.0	87.3	1022.4	1.2	3.2	S
24	-2.9	-3.7	-1.9	-1.0	-0.9	-0.6	-0.2	1.7	2.1	84.9	1019.5	1.3	2.8	N
25	-4.1	-9.1	-1.3	-1.0	-0.9	-0.6	-0.2	1.7	2.1	91.3	1019.0	0.8	1.9	NØ
26	-4.0	-10.3	3.1	-1.8	-1.5	-1.0	-0.3	1.5	1.9	80.7	1015.3	1.2	3.7	N
27	-5.2	-8.5	-1.5	-2.1	-1.7	-1.1	-0.4	1.6	1.9	88.1	1011.6	1.5	3.6	SØ
28	-6.8	-8.4	-3.1	-2.0	-1.7	-1.3	-0.5	1.6	1.8	94.9	1013.8	1.0	2.0	SV
Mid.	-3.3	-6.7	-0.1	-1.0	-0.8	-0.5	-0.1	1.8	2.1	89.2	1011.1	2.1	4.1	

Høyeste temperatur: 5.3

Laveste temperatur: -17.5

Normal temperatur (1931-1960): -4.6

Normal temperatur (1961-1990): -4.8

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **
	MJ/m2			* %						E/m2			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	0.87	0.91	-0.68	7.9		48.6		43.5	2.0	0.80	-1.05		
02	0.60	0.63	-0.09	8.6		53.4		38.0	1.5		-0.19		
03	1.30	1.30	-0.11	8.0		46.7		45.3	3.1	0.81	-0.11		28.3
04	2.08	2.02	-0.81	7.3		46.2		46.5	4.6	0.84	-0.19		3.1
05	3.13	2.00	-2.26	5.8		27.0		67.2	6.3	0.78	-0.06		1.0
06	2.34	1.99	-0.98	7.3		42.1		50.6	4.9	0.79	-0.29		0.0
07	1.12	1.09	0.16	8.2		53.6		38.3	2.8	0.84	-0.24		5.5
08	0.79	0.81	0.29	7.9		55.2		36.9	2.1	0.80	-0.06		
09	0.76	0.77	0.14	8.2		55.6		36.3	2.0	0.78	0.07		
10	0.83	0.80	-0.16	7.9		51.2		40.9	1.9	0.76	0.07		15.7
11	1.15	1.15	-0.57	7.9		48.9		43.2	2.7	0.80	0.06		0.0
12	2.04	2.08	0.16	7.3		49.6		43.1	4.6	0.76	0.05		0.0
13	1.28	1.31	-0.01	8.3		51.2		40.5	3.0	0.75	0.03		0.0
14	4.75	1.77	-1.45	5.3		29.9		64.8	9.2	0.71	0.00		0.0
15	2.74	2.52	0.12	7.0		44.2		48.9	5.7	0.67	-0.27		
16	1.95	1.99	-0.04	7.7		48.9		43.4	4.3	0.75	-0.23		
17	4.80	2.20	-1.50	5.4		31.8		62.8	9.6	0.76	-0.39		0.1
18	5.34	1.52	-1.05	5.2		29.1		65.7	10.5	0.71	-0.89		0.0
19	5.83	1.34	-1.11	4.9		27.0		68.0	11.5	0.70	-0.95		0.0
20	5.90	1.28	-1.60	5.0		27.2		67.9	11.7	0.71	-0.88		0.0
21	6.18	1.95	-0.31	4.8		27.1		68.2	11.7	0.63	-0.96		0.0
22	1.90	1.91	0.02	7.6		50.0		42.4	4.4	0.75	-0.25		
23	1.87	1.89	-0.10	7.7		49.7		42.6	4.4	0.73	-0.24		
24	3.12	3.15	-0.03	7.0		46.9		46.1	7.0	0.72	-0.25		0.1
25	3.27	3.10	-0.31	6.7		46.6		46.7	7.4	0.74	-0.29		0.0
26	6.66	2.62	0.02	5.1		33.8		61.1	13.6	0.67	-0.66		0.0
27	7.30	2.03	-1.22	5.0		30.0		65.0	14.4	0.71	-0.70		0.0
28	5.38	3.93	-0.03	5.9		39.8		54.3	11.6	0.73	-0.54		0.0
Sum	85.2	50.1	-13.5						178.5		-9.42		53.8
Mid.	3.04	1.79	-0.48	6.8		42.5		50.6	6.4	0.75	-0.34		

Normal nedbør (1931-60): 34 mm

* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Normal nedbør (1961-90): 35 mm

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

Meteorologiske data for Ås
Mars 2003

4

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	-7.7	-9.6	-5.5	-2.0	-1.7	-1.3	-0.6	1.5	1.9	94.3	1014.1	1.6	3.0	NØ
02	-5.7	-6.8	-4.4	-1.8	-1.5	-1.3	-0.6	1.3	1.9	89.5	1012.5	1.6	4.5	Ø
03	-5.8	-7.6	-3.7	-1.7	-1.5	-1.1	-0.6	1.4	1.9	85.4	1014.3	1.6	3.0	N
04	-4.2	-5.6	-2.7	-1.4	-1.2	-1.0	-0.5	1.3	1.9	82.9	1016.1	1.1	2.8	SØ
05	-2.5	-4.2	-1.0	-1.3	-1.1	-0.9	-0.5	1.4	1.9	88.1	1011.1	2.0	3.4	SØ
06	-0.5	-1.5	0.3	-1.0	-0.9	-0.7	-0.4	1.2	1.7	88.7	1002.6	5.0	7.8	S
07	0.6	-1.2	1.9	-0.7	-0.7	-0.5	-0.3	1.2	1.7	96.8	1001.2	4.1	6.2	S
08	0.7	0.1	1.9	-0.4	-0.5	-0.3	-0.3	1.4	1.7	95.8	997.1	2.7	5.8	Ø
09	1.0	-0.2	2.4	-0.3	-0.3	-0.2	-0.2	1.5	1.8	95.0	993.7	2.9	6.0	S
10	3.8	2.1	6.4	-0.2	-0.3	-0.1	-0.2	1.3	1.7	90.4	988.6	5.3	7.4	S
11	2.4	0.7	4.1	-0.2	-0.2	-0.1	-0.2	1.5	1.7	94.5	987.1	2.6	7.0	S
12	2.8	-1.8	6.3	-0.2	-0.2	-0.1	-0.1	1.5	1.6	55.2	1007.6	3.5	7.8	N
13	1.4	-4.6	9.8	-0.2	-0.2	0.0	-0.1	1.3	1.6	69.1	1024.8	0.9	2.7	SV
14	0.0	-6.4	8.0	-0.5	-0.4	-0.1	-0.1	1.2	1.6	78.6	1027.7	1.2	3.3	SV
15	0.6	-4.3	7.3	-0.6	-0.4	-0.2	-0.1	1.3	1.7	80.8	1031.0	0.7	1.8	SV
16	1.0	-5.6	8.4	-0.7	-0.5	-0.3	-0.1	1.4	1.6	77.3	1023.4	1.0	3.0	Ø
17	3.2	-2.9	10.4	-0.3	-0.3	-0.1	-0.1	1.3	1.6	69.9	1021.7	1.2	3.1	NØ
18	1.9	-3.3	11.0	-0.2	-0.2	-0.1	-0.1	1.4	1.6	80.4	1017.0	1.0	2.8	Ø
19	3.0	-3.1	10.9	-0.1	-0.2	0.0	-0.1	1.1	1.5	70.6	1010.9			
20	0.7	-2.8	3.7	-0.1	-0.1	0.0	0.0	1.2	1.5	63.5	1017.1	1.8	3.8	S
21	0.6	-2.8	3.6	-0.1	-0.1	0.1	0.0	1.6	1.5	86.3	1016.6	4.5	7.7	S
22	3.5	1.1	7.1	-0.1	-0.1	0.1	0.0	1.4	1.5	81.9	1010.1	3.6	4.8	S
23	4.7	-0.4	11.7	0.2	-0.1	0.1	0.0	1.4	1.5	74.1	1007.8	2.2	5.9	S
24	2.8	-2.8	10.5	0.3	0.0	0.2	0.0	1.4	1.5	83.6	1007.9	1.4	3.9	S
25	2.3	-1.7	10.6	1.4	0.5	0.3	0.0	1.3	1.5	86.3	1009.2	1.4	3.3	S
26	0.3	-1.7	1.5	0.4	0.2	0.3	0.0	1.3	1.5	96.9	1010.6	2.7	9.2	S
27	3.2	-0.8	11.0	2.0	1.3	0.9	0.0	1.5	1.5	85.4	1006.7	1.7	3.9	S
28	4.1	-3.3	11.8	1.3	0.9	0.9	0.0	1.3	1.5	66.8	1005.4	1.4	3.3	NØ
29	3.1	0.7	5.7	1.1	0.8	0.9	0.0	1.3	1.5	90.1	997.5	3.3	5.5	S
30	4.5	1.9	9.5	1.3	1.0	1.0	0.1	1.3	1.5	65.4	987.0	5.2	9.2	NV
31	4.4	1.0	9.7	1.2	0.9	0.9	0.3	1.3	1.5	55.1	1003.9	3.2	6.2	NV
Mid.	1.0	-2.5	5.4	-0.2	-0.2	-0.1	-0.2	1.3	1.6	81.3	1009.1	2.4	4.9	

Høyeste temperatur: 11,8

Laveste temperatur: -9,6

Normal temperatur (1931-1960): -1,2

Normal temperatur (1961-1990): -0,7

DATO	STRÅLING										Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **	
	MJ/m2			* %						E/m2 Par				Albedo
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød						
01	2.87	2.56	0.07	7.5		41.2	7.3	44.0	6.6	0.68	-0.60			
02	2.31	2.31	-0.14	7.5		40.9	8.9	42.8	5.4	0.78	-0.49			
03	4.01	3.97	-0.14	6.6		37.3	8.1	48.1	8.6	0.77	-0.38		0.4	
04	3.75	3.74	-0.19	6.9		37.9	7.9	47.3	8.4	0.77	-0.28		0.3	
05	2.40	2.38	-0.15	7.1		43.5	5.5	43.8	5.7	0.84	-0.23		0.6	
06	3.04	3.04	0.01	7.0		39.2	9.0	44.8	7.2	0.87	-0.11		6.0	
07	3.89	3.87	0.73	7.3		40.7	9.2	42.8	9.4	0.77	-0.03		4.9	
08	1.55	1.54	0.22	8.0		46.3	9.4	36.3	4.0	0.81	0.17			
09	4.19	4.16	1.07	7.2		40.7	8.0	44.1	9.9	0.72	0.16			
10	6.84	4.55	0.95	5.9		35.8	6.5	51.8	14.7	0.62	0.13		11.0	
11	4.33	4.28	0.94	7.1		36.7	9.4	46.8	9.7	0.51	0.11		0.0	
12	10.15	1.94	1.51	5.0		32.8	3.7	58.5	20.6	0.47	0.10		0.0	
13	10.20	1.96	1.11	4.9		33.9	4.2	57.0	21.1	0.41	0.07		0.0	
14	10.54	2.86	1.37	4.7		29.1	7.0	59.2	21.2	0.36	-0.14		0.0	
15	7.54	5.64	0.96	5.5		34.6	6.1	53.9	15.8	0.33	-0.12		0.0	
16	8.78	5.40	2.00	5.1		33.4	6.4	55.1	18.1	0.26	-0.26		0.0	
17	9.93	6.00	3.11	5.0		33.6	6.4	55.0	20.6	0.24	-0.04		0.0	
18	10.78	3.70	3.41	4.7		33.0	6.7	55.6	22.0	0.22	0.06		0.0	
19	11.52	2.63	5.48	4.6		33.0	6.7	55.7	23.3	0.21	0.09		0.0	
20	5.07	4.83	1.05	6.4		36.6	7.9	49.2	10.8	0.20	0.09		0.0	
21	10.62	6.01	3.09	5.2		33.2	5.6	56.0	22.0	0.24	0.07		0.0	
22	10.00	6.44	3.67	5.0		35.2	5.2	54.7	21.1	0.22	0.06		0.0	
23	12.56	2.80	4.54	4.5		33.8	4.9	56.8	25.8	0.23	0.12		0.0	
24	11.02	3.96	4.53	4.8		33.1	5.4	56.6	23.2	0.20	0.37		0.0	
25	10.53	4.34	4.87	4.9		34.3	7.0	53.8	22.1	0.22	1.09		0.1	
26	3.24	3.06	2.22	6.4		37.3	8.0	48.3	7.1	0.20	0.24		0.0	
27	9.64	6.38	4.31	4.9		35.1	7.3	52.7	20.1	0.23	1.03		0.1	
28	14.08	2.30	5.21	4.4		33.1	5.1	57.5	28.7	0.22	0.51		0.0	
29	5.13	4.74	1.69	5.7		35.6	8.0	50.7	11.1	0.22	0.41			
30	10.65	4.27	3.10	4.9		33.2	5.0	56.9	21.9	0.24	0.53			
31	14.53	2.94	5.18	4.5		32.3	5.1	58.1	29.3	0.25	0.44		0.5	
Sum	235.7	118.6	65.8						495.4		3.18		23.9	
Mid.	7.60	3.83	2.12	5.8		36.0	6.8	51.4	16.0	0.43	0.10			

Normal nedbør (1931-60): 27 mm

* Prosentfordelingen for den "blå" og den "grønne" delen av spekteret er slått sammen

Normal nedbør (1961-90): 48 mm

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

Meteorologiske data for Ås
April 2003

5

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	3.0	2.5	3.7	1.4	1.3	1.3	0.7	1.5	1.5	93.6	989.4	5.7	9.2	S
02	4.7	1.9	8.7	2.6	2.2	2.2	1.3	1.8	1.5	72.3	981.5	3.9	7.9	N
03	2.8	-3.1	7.3	1.6	1.6	1.8	1.5	1.9	1.5	48.1	1001.4	4.8	8.7	N
04	4.9	-3.5	13.1	1.8	1.7	1.8	1.5	2.0	1.6	52.9	1001.0	4.1	8.2	N
05	2.5	-2.3	5.5	0.9	1.1	1.4	1.5	2.2	1.7	46.1	1009.6	6.5	10.5	N
06	1.4	-1.1	4.5	0.6	0.7	1.0	1.1	2.3	1.8	45.5	1018.0	5.5	8.7	N
07	0.4	-5.6	5.9	0.9	0.9	1.1	1.1	2.2	1.8	54.7	1018.3	1.7	3.6	N
08	0.4	-7.1	6.6	0.7	0.9	1.1	1.1	2.5	1.9	58.1	1014.2	1.6	4.8	NØ
09	3.1	-5.1	9.3	0.8	0.9	1.1	1.1	2.3	2.0	50.6	1011.7	4.1	8.8	NØ
10	3.8	0.3	7.8	1.8	1.6	1.8	1.4	2.4	2.0	61.8	999.8	6.0	9.2	N
11	0.6	-0.7	1.9	1.5	1.6	1.8	1.6	2.6	1.9	89.3	997.6	3.4	5.0	Ø
12	1.8	0.3	3.6	1.7	1.7	1.8	1.6	2.7	2.0	91.1	1002.9	1.9	3.3	Ø
13	3.1	-3.9	11.6	3.1	2.8	2.7	2.0	2.8	2.0	83.8	1013.5	1.4	4.1	SV
14	4.2	-1.1	12.2	4.3	3.9	3.8	3.0	3.1	2.1	77.3	1020.5	1.4	4.2	SV
15	5.6	-0.8	11.6	4.4	4.1	4.1	3.5	3.5	2.2	69.7	1021.7	2.2	5.8	SV
16	6.9	-1.9	15.6	4.8	4.5	4.4	3.7	3.7	2.3	69.0	1022.0	2.2	6.2	S
17	8.6	-1.0	17.2	5.6	5.2	5.0	4.2	3.9	2.4	65.9	1026.9	1.5	4.6	NØ
18	9.2	2.3	16.1	6.6	6.1	6.0	4.9	4.3	2.6	62.7	1027.5	1.9	3.8	SØ
19	8.1	-1.3	15.4	6.8	6.5	6.4	5.4	4.7	2.8	63.7	1023.7	1.2	3.0	NØ
20	8.6	-1.2	16.2	6.6	6.4	6.4	5.6	4.8	2.9	61.4	1016.5	1.7	4.4	Ø
21	9.6	0.0	18.0	7.1	6.8	6.7	5.8	5.0	3.0	56.4	1013.5	1.3	4.0	NØ
22	11.0	0.2	20.1	7.3	6.9	6.9	6.1	5.3	3.2	55.5	1008.9	1.9	4.4	N
23	10.8	2.6	18.9	8.1	7.6	7.5	6.4	5.5	3.3	64.5	1007.4	1.4	3.5	NØ
24	5.4	1.4	8.8	6.9	7.0	7.2	6.6	5.9	3.5	69.8	1012.4	2.5	5.4	Ø
25	4.2	-1.9	9.0	6.4	6.4	6.6	6.1	6.1	3.7	83.7	1011.5	1.9	4.5	SØ
26	4.3	-0.4	9.4	5.4	5.6	5.9	5.8	6.2	3.9	85.4	1001.5	2.4	6.4	Ø
27	2.0	0.5	3.3	4.1	4.5	4.9	5.1	5.9	4.1	97.2	986.8	3.3	4.7	N
28	5.1	2.0	9.5	6.2	5.8	5.7	5.0	5.7	4.1	87.4	988.8	1.5	4.1	NV
29	4.5	4.0	5.7	5.7	5.8	6.0	5.6	6.0	4.2	93.2	987.6	2.3	4.3	NØ
30	8.7	4.2	12.5	7.5	7.0	6.8	5.9	6.1	4.3	87.7	989.9	5.1	9.4	S
Mid.	5.0	-0.7	10.3	4.1	4.0	4.0	3.6	3.8	2.6	70.0	1007.5	2.9	5.8	

Høyeste temperatur: 20.1

Laveste temperatur: -7.1

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			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	1.23	1.21	0.48	7.4	15.0	23.2	10.8	43.6	3.0	0.19	0.41		0.1
02	9.09	6.13	3.96	5.4	12.6	22.0	7.0	53.0	19.2	0.28	0.62		17.5
03	14.93	3.95	4.50	4.7	10.7	21.7	4.5	58.5	30.4	0.31	0.04		0.0
04	14.95	3.16	5.61	4.6	11.9	21.6	5.6	56.3	31.1	0.29	0.23		0.0
05	14.84	4.61	4.20	4.7	10.9	21.7	5.1	57.5	30.5	0.29	-0.25		0.0
06	16.68	2.76	4.80	4.6	10.2	21.7	4.6	59.0	34.0	0.31	-0.23		0.0
07	16.79	2.29	5.27	4.5	10.9	21.4	5.2	58.0	34.8	0.29	-0.05		0.0
08	17.17	2.51	6.06	4.4	10.7	21.4	4.9	58.6	35.1	0.30	-0.11		0.0
09	17.51	2.66	5.94	4.3	10.8	21.1	4.9	59.0	35.4	0.29	-0.05		0.0
10	12.46	6.87	5.29	4.8	11.6	21.9	4.8	57.0	25.7	0.29	0.20		0.0
11	3.96	3.67	1.26	6.7	14.6	23.3	7.6	47.8	8.9	0.44	-0.07		1.4
12	3.26	3.00	1.21	7.0	15.7	23.3	8.9	45.0	7.6	0.31	0.10		
13	17.03	4.66	7.63	4.5	11.8	22.2	6.0	55.5	35.6	0.26	0.56		
14	15.42	5.65	6.86	4.7	12.2	22.1	6.2	54.8	32.2	0.26	0.61		0.8
15	13.21	9.56	5.57	4.8	12.8	22.3	6.8	53.4	27.8	0.28	0.39		0.0
16	17.52	5.04	7.20	4.2	11.6	21.6	5.4	57.2	36.0	0.29	0.49		0.0
17	16.47	6.96	7.11	4.2	11.6	22.0	5.9	56.2	34.4	0.27	0.61		0.0
18	17.93	5.00	7.12	4.4	11.9	22.1	6.0	55.6	37.8	0.27	0.71		0.0
19	19.43	3.32	7.91	4.3	11.3	22.3	5.6	56.5	40.5	0.29	0.59		0.0
20	18.77	4.24	7.97	4.3	11.4	21.7	5.7	57.0	38.8	0.29	0.30		0.0
21	19.92	3.62	8.22	4.1	11.3	21.4	5.6	57.6	40.6	0.28	0.55		0.0
22	19.61	3.44	8.76	4.2	11.8	21.7	5.6	56.8	40.7	0.27	0.49		0.0
23	19.27	6.77	8.91	4.3	12.0	21.9	6.2	55.5	40.4	0.26	0.70		0.0
24	9.93	8.70	4.24	5.6	13.1	22.8	7.4	51.2	21.5	0.25	0.04		0.0
25	13.81	8.47	6.20	5.1	11.7	22.6	6.7	53.9	29.6	0.26	0.12		0.0
26	5.75	5.16	2.53	5.9	13.1	23.1	8.3	49.6	12.9	0.26	-0.17		
27	2.42	2.22	1.38	7.7	16.4	26.0	9.4	40.5	6.2	0.16	-0.46		
28	12.46	9.57	6.86	5.5	12.5	22.8	7.5	51.7	27.0	0.23	0.66		32.0
29	2.68	2.45	1.26	7.7	17.7	24.2	9.8	40.6	6.6	0.13	0.03		0.7
30	15.81	8.30	8.94	5.1	12.0	23.2	6.5	53.1	34.1	0.25	0.84		6.5
Sum	400.3	146.0	163.2						838.6		7.90		59.0
Mid.	13.34	4.87	5.44	5.1	12.4	22.3	6.5	53.7	28.0	0.27	0.26		

Normal nedbør (1931-60): 48 mm * Nytt gul/ grønt filter fra 1.4.03

Normal nedbør (1961-90): 39 mm

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

Meteorologiske data for Ås
Mai 2003

6

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)					Mid (m/s)			Max (m/s)	Retn.	
	Mid	Min	Max	2	5	10	20	50	100					
01	7.6	5.3	9.2	8.0	7.8	7.7	6.7	6.3	4.3	92.9	987.3	1.9	3.3	N
02	7.5	3.0	12.6	8.5	8.2	8.0	7.1	6.5	4.4	68.8	996.9	1.5	3.8	N
03	2.4	0.6	5.0	5.7	6.2	6.7	6.9	6.6	4.6	89.9	996.3	3.6	6.1	N
04	4.1	-0.4	8.0	6.3	6.1	6.2	5.9	6.8	4.7	84.8	1004.4	1.6	4.6	S
05	9.1	5.3	13.9	7.9	7.5	7.4	6.6	6.6	4.8	88.3	1000.0	3.2	7.9	S
06	9.0	5.7	12.3	8.8	8.4	8.3	7.4	6.8	4.9	82.2	997.0	4.3	7.4	S
07	9.3	3.4	13.5	8.5	8.2	8.2	7.5	6.9	5.0	61.9	1002.2	3.2	8.4	SV
08	6.9	2.7	9.3	7.5	7.5	7.7	7.4	7.1	5.1	84.7	998.5	4.0	7.7	S
09	10.5	5.1	15.6	8.7	8.3	8.2	7.4	7.2	5.2	57.0	996.5	4.5	7.3	V
10	8.3	4.1	12.9	8.5	8.3	8.4	7.8	7.4	5.3	77.2	1001.1	3.7	8.0	S
11	7.9	1.3	12.2	8.7	8.4	8.4	7.8	7.6	5.4	67.3	1007.8	3.2	7.8	S
12	8.7	6.4	12.8	8.7	8.5	8.6	8.1	7.8	5.5	85.9	1001.2	2.9	7.7	Ø
13	8.3	5.5	11.3	8.8	8.7	8.8	8.1	8.1	5.6	85.8	996.1	3.1	7.2	Ø
14	7.0	4.6	9.7	8.6	8.4	8.6	8.1	8.2	5.7	85.4	995.4	4.2	7.1	N
15	7.3	5.9	10.0	8.6	8.5	8.6	8.1	8.3	5.8	88.1	1001.3	2.0	4.6	N
16	7.6	3.8	11.6	9.1	8.9	8.9	8.3	8.4	5.9	76.5	1002.4	2.6	5.2	N
17	8.1	3.0	12.2	9.8	9.5	9.4	8.6	8.3	6.0	75.3	1002.4	2.3	5.5	SV
18	10.4	3.1	16.0	10.0	9.7	9.7	8.9	8.4	6.1	72.6	1000.0	1.9	5.4	Ø
19	11.0	9.2	13.9	11.2	10.7	10.6	9.5	8.7	6.2	90.6	994.7	2.3	6.0	SØ
20	9.8	7.8	13.0	11.4	11.0	10.9	9.9	8.9	6.3	86.2	993.7	2.0	4.2	SØ
21	9.4	6.4	12.4	10.8	10.6	10.6	9.9	9.2	6.4	89.6	995.2	3.2	5.8	S
22	10.5	2.8	15.7	11.2	10.8	10.7	9.9	9.4	6.6	74.4	1001.7	2.5	6.4	SV
23	8.8	6.2	10.8	10.7	10.7	10.7	10.2	9.6	6.7	93.4	994.0	2.1	3.2	Ø
24	11.3	8.7	13.9	11.6	11.2	11.1	10.2	9.7	6.8	86.8	996.8	2.3	5.7	S
25	12.8	10.9	15.5	12.3	11.9	11.8	10.8	9.8	7.0	92.8	1000.4	1.5	3.2	Ø
26	13.8	9.9	18.5	12.9	12.5	12.3	11.3	9.9	7.1	69.8	1001.8	3.4	5.5	V
27	13.0	5.6	18.1	12.5	12.2	12.2	11.4	10.2	7.3	60.3	1009.9	2.9	5.4	SV
28	12.5	4.1	19.3	12.8	12.5	12.4	11.5	10.3	7.4	59.9	1012.7	2.1	4.4	S
29	13.2	10.2	18.5	13.5	13.2	13.0	12.1	10.5	7.6	84.9	1007.9	3.2	6.6	S
30	15.3	8.0	20.5	13.9	13.5	13.3	12.3	10.8	7.7	63.2	1001.1	2.5	4.5	SV
31	14.3	8.2	21.1	13.8	13.5	13.4	12.6	10.9	7.9	49.1	999.9	2.1	5.3	NV
Mid.	9.5	5.4	13.5	10.0	9.7	9.7	9.0	8.4	6.0	78.2	999.9	2.8	5.8	

Høyeste temperatur: 21.1

Laveste temperatur: -0.4

Normal temperatur (1931-1960): 10.2

Normal temperatur (1961-1990): 10.3

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) *
	MJ/m2			%					E/m2	Albedo			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	5.29	4.73	2.84	6.6	14.8	24.1	8.7	45.8	12.2	0.18	0.57		
02	19.08	6.49	9.97	4.9	11.8	22.3	6.7	54.3	40.3	0.24	0.71		7.2
03	3.16	2.85	1.30	7.8	15.2	25.0	9.8	42.1	8.2	0.25	-0.63		4.4
04	10.95	8.25	5.90	5.6	12.4	23.4	7.3	51.3	24.0	0.22	0.25		
05	8.24	7.11	4.79	5.6	13.4	23.9	8.0	49.1	18.5	0.23	0.67		10.2
06	12.46	8.02	6.32	5.5	12.9	22.7	7.2	51.7	26.7	0.24	0.64		4.5
07	18.36	7.88	8.71	4.9	11.6	22.8	6.5	54.3	38.8	0.23	0.49		0.0
08	6.97	5.83	2.58	6.0	13.1	22.8	8.0	50.1	15.4	0.22	0.26		0.1
09	21.76	5.47	10.47	4.6	11.5	22.2	6.2	55.4	45.5	0.25	0.62		1.0
10	16.02	7.76	7.87	5.1	11.9	22.5	6.8	53.8	34.2	0.25	0.57	2.7	
11	22.29	5.41	12.56	4.7	11.3	22.7	6.3	55.0	47.1	0.24	0.75	6.5	
12	4.46	3.91	2.17	6.2	14.7	23.4	8.9	46.8	10.3	0.20	0.69	4.4	1.8
13	7.87	6.24	3.69	6.2	12.7	24.1	7.6	49.5	17.5	0.24	1.06	4.8	12.6
14	11.92	8.72	5.63	5.7	12.2	22.3	7.0	52.8	25.5	0.24	0.56	2.9	7.6
15	7.91	6.67	3.78	6.4	14.2	22.8	8.0	48.5	17.6	0.23	0.41	2.9	4.8
16	14.73	10.51	8.39	5.5	12.5	22.7	7.3	52.0	31.7	0.23	0.48	3.1	5.9
17	23.59	6.96	12.64	4.7	11.7	22.5	6.7	54.4	49.9	0.25	0.83	3.5	
18	12.84	8.46	7.63	5.1	12.8	22.5	7.6	52.0	27.5	0.22	1.01	2.1	
19	9.97	8.04	5.74	5.6	13.9	22.8	7.1	50.5	21.9	0.23	1.50	1.6	6.1
20	9.86	8.34	5.67	5.8	12.8	23.4	8.4	49.7	21.8	0.23	1.19	1.9	1.8
21	9.25	7.42	4.45	5.9	13.4	23.4	8.3	49.0	20.7	0.26	0.96	2.3	2.3
22	24.03	4.65	13.08	4.8	12.0	22.8	6.6	53.8	51.4	0.24	1.14	3.9	4.0
23	4.46	4.00	2.25	6.9	15.1	24.5	9.8	43.6	10.6	0.23	0.79	3.7	0.0
24	14.21	10.22	8.46	5.5	12.8	23.1	7.2	51.4	30.6	0.23	1.06	2.2	
25	5.87	5.14	3.33	6.5	16.0	24.7	7.0	45.8	13.6	0.22	0.92	1.9	
26	17.73	6.61	9.51	5.1	12.7	22.2	7.5	52.6	37.6	0.25	0.83	4.5	16.8
27	21.89	11.54	10.66	4.4	11.3	21.8	6.6	55.9	44.5	0.25	0.53	3.4	0.4
28	25.06	8.21	12.35	4.5	11.6	21.8	6.8	55.4	51.4	0.25	0.70	3.1	0.4
29	13.11	10.07	8.18	5.6	13.8	23.5	7.5	49.6	29.0	0.24	0.64	0.9	0.0
30	24.76	7.30	13.36	4.6	12.1	22.5	6.9	53.8	52.0	0.25	0.72	2.6	2.5
31	26.50	5.56	13.16	4.5	11.6	21.8	6.7	55.5	54.9	0.25	0.54	3.5	0.0
Sum	434.6	218.4	227.5						930.8		21.50	68.4	94.4
Mid.	14.02	7.04	7.34	5.5	12.9	23.0	7.4	51.1	30.0	0.24	0.69	3.1	

Normal nedbør (1931-60): 49 mm

Normal nedbør (1961-90): 60 mm

* Nedbør er registrert manuelt kl. 8 på hverdager.

Meteorologiske data for Ås
Juni 2003

7

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	14.1	7.0	19.4	13.8	13.5	13.5	12.7	11.2	8.0	57.4	1004.7	2.3	5.9	SV
02	15.0	7.5	20.4	13.9	13.7	13.6	12.8	11.4	8.2	65.1	1004.8	3.0	7.3	S
03	15.8	6.7	24.5	13.7	13.5	13.5	12.8	11.5	8.4	69.1	1005.2	1.6	4.6	NØ
04	17.3	13.8	22.6	15.5	14.9	14.6	13.3	11.6	8.5	81.0	1003.7	1.2	3.0	SV
05	16.8	11.3	22.4	15.1	14.8	14.7	13.8	11.9	8.6	75.5	996.8	3.1	7.1	V
06	15.4	7.4	20.5	14.6	14.3	14.2	13.6	12.1	8.8	64.4	1000.2	2.6	5.3	SV
07	15.6	12.0	19.1	15.0	14.7	14.5	13.8	12.3	9.0	76.9	1000.6	3.5	6.8	S
08	15.8	12.7	19.9	15.3	14.9	14.8	14.0	12.4	9.1	72.1	999.8	2.4	5.5	S
09	14.4	11.9	18.9	14.5	14.4	14.4	13.9	12.5	9.3	78.5	991.2	3.4	5.9	NV
10	15.0	9.5	19.1	14.8	14.5	14.4	13.8	12.6	9.4	78.4	1000.3	2.1	6.2	S
11	13.8	10.5	17.8	14.9	14.6	14.5	13.9	12.6	9.6	86.4	997.5	2.1	6.0	S
12	13.8	7.4	19.0	14.2	14.1	14.1	13.7	12.7	9.7	74.8	997.8	2.1	6.0	N
13	14.5	8.7	18.9	14.6	14.4	14.2	13.6	12.7	9.8	67.3	999.9	2.4	5.8	NV
14	14.7	7.7	20.3	14.7	14.4	14.3	13.7	12.7	9.9	66.6	1003.5	1.8	3.8	N
15	13.5	9.1	18.2	14.8	14.5	14.4	13.9	12.9	9.9	70.9	1003.4	1.7	5.0	N
16	14.2	7.6	20.1	14.7	14.4	14.3	13.8	12.9	10.0	66.3	1002.9	1.6	3.4	N
17	14.9	9.2	18.8	14.5	14.3	14.2	13.8	12.9	10.1	78.2	1004.0	3.6	7.5	S
18	15.8	12.2	19.5	14.9	14.6	14.5	13.9	13.0	10.1	80.2	1002.3	4.1	7.6	S
19	16.0	12.9	20.7	15.3	15.0	14.8	14.2	13.0	10.2	67.3	989.5	4.4	7.5	V
20	15.7	11.2	20.6	15.3	14.9	14.7	14.1	13.1	10.3	57.4	986.1	3.0	5.9	NV
21	14.2	8.1	19.4	14.7	14.5	14.4	14.0	13.2	10.4	73.4	993.9	2.1	5.1	N
22	14.6	10.7	19.9	15.8	15.3	15.1	14.3	13.3	10.4	76.9	997.5	1.5	3.6	V
23	12.1	11.2	14.2	14.4	14.4	14.5	14.3	13.5	10.5	91.7	995.0	2.4	4.2	SØ
24	13.4	11.5	17.2	14.7	14.4	14.4	13.9	13.4	10.6	91.3	988.8	2.7	5.1	N
25	16.9	12.1	22.8	16.4	15.7	15.4	14.4	13.4	10.7	70.6	1005.3	2.5	4.8	N
26	18.6	13.1	23.9	18.0	17.3	16.9	15.5	13.7	10.8	61.8	1009.8	2.4	4.5	N
27	19.2	10.5	24.9	18.8	18.0	17.6	16.3	13.9	10.9	63.3	1008.7	1.5	3.4	N
28	17.7	14.1	22.6	18.8	18.4	18.1	16.9	14.5	11.0	78.8	1004.5	1.6	4.6	NØ
29	15.5	13.1	18.9	18.1	17.8	17.7	16.9	15.0	11.2	77.0	1003.3	1.9	4.1	NØ
30	14.4	11.6	17.9	17.4	17.2	17.1	16.5	15.0	11.4	76.5	1001.7	2.0	4.0	NØ
Mid.	15.3	10.4	20.1	15.4	15.0	14.9	14.2	12.9	9.8	73.2	1000.1	2.4	5.3	

Høyeste temperatur: 24.9
 Laveste temperatur: 6.7
 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 Par				Albedo
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød						
01	26.10	6.31	13.27	4.6	12.0	22.1	6.7	54.6	54.9	0.24	0.56	3.4	0.0	
02	25.48	5.54	14.27	4.6	12.2	22.4	6.8	53.9	54.2	0.26	0.49	3.9	0.0	
03	18.24	5.81	10.19	4.7	12.0	22.9	6.9	53.6	39.2	0.24	0.50	1.9	3.1	
04	16.85	9.70	9.76	5.0	12.9	22.5	7.8	51.8	36.4	0.25	1.13	1.4	0.8	
05	14.65	7.20	8.36	5.0	12.8	22.2	7.5	52.5	31.0	0.24	0.53	2.9	1.3	
06	23.56	8.03	13.29	4.9	12.3	22.7	6.7	53.3	49.8	0.22	0.49	4.2	0.0	
07	21.86	10.76	11.83	5.0	12.1	22.7	7.1	53.1	46.5	0.25	0.56	3.7	0.2	
08	19.53	10.07	11.18	5.1	12.2	23.0	6.6	53.1	41.6	0.23	0.62	3.1	1.5	
09	12.96	9.41	7.51	5.9	13.3	22.7	7.8	50.4	28.3	0.25	0.20	2.3	10.6	
10	16.61	10.90	9.26	5.4	12.3	23.5	7.0	51.9	36.4	0.23	0.48	2.1	0.0	
11	14.89	9.41	8.56	5.4	12.7	22.5	7.3	52.1	32.1	0.24	0.50	1.5	0.9	
12	18.80	11.94	10.86	5.3	12.2	23.0	6.9	52.6	40.8	0.22	0.22	3.5	3.9	
13	22.84	9.47	13.11	5.1	12.3	22.3	6.9	53.4	48.8	0.22	0.64	3.5	0.0	
14	25.16	7.84	14.07	4.8	11.9	22.1	6.7	54.5	53.7	0.23	0.61	3.1	0.0	
15	18.21	12.75	10.01	5.4	12.4	22.6	7.2	52.5	39.5	0.23	0.50	3.1	0.0	
16	24.34	11.33	13.78	4.9	12.1	22.3	6.9	53.8	52.0	0.23	0.53	3.6	0.0	
17	19.81	13.96	10.89	5.2	12.4	22.2	7.5	52.7	42.4	0.25	0.32	3.7	0.0	
18	20.48	11.44	12.48	5.1	12.5	22.2	6.7	53.5	44.0	0.24	0.55	3.1	0.8	
19	20.13	8.42	12.25	5.1	12.9	22.3	6.7	53.1	43.5	0.22	0.55	3.8	3.3	
20	25.35	8.98	14.67	4.9	12.2	22.7	6.5	53.7	54.4	0.22	0.58	4.3	0.2	
21	18.16	12.00	9.75	5.5	12.8	22.3	7.1	52.3	39.4	0.22	0.32	2.8	4.0	
22	18.42	7.85	10.03	5.4	13.1	22.6	7.3	51.6	40.4	0.22	0.73	2.3	1.2	
23	6.42	5.71	3.08	6.6	13.8	23.1	8.7	47.8	14.7	0.24	-0.05	1.0	23.9	
24	9.77	7.70	5.93	6.2	13.8	22.6	8.2	49.2	21.8	0.20	0.42	0.8	15.8	
25	21.32	10.30	13.61	5.1	12.6	22.8	7.3	52.4	46.7	0.21	1.16	3.2	0.0	
26	25.25	8.77	15.31	4.9	12.5	22.7	7.3	52.7	55.0	0.22	1.27	4.4	0.0	
27	26.54	5.97	15.70	4.7	12.5	22.7	7.0	53.1	58.4	0.21	1.27	4.1	0.0	
28	15.58	9.79	8.94	5.6	12.7	22.8	7.3	51.6	34.6	0.23	0.86	1.9	4.9	
29	12.97	8.46	7.72	5.8	12.6	22.8	7.1	51.8	28.4	0.21	0.47	3.3	0.0	
30	14.85	10.35	8.21	5.9	12.7	22.7	7.0	51.6	32.2	0.23	0.36	2.8	0.0	
Sum	575.1	276.2	327.9						1241.1		17.38	88.7	76.4	
Mid.	19.17	9.21	10.93	5.2	12.6	22.6	7.2	52.5	41.4	0.23	0.58	3.0		

Normal nedbør (1931-60): 70 mm
 Normal nedbør (1961-90): 68 mm

Meteorologiske data for Ås
Juli 2003

8

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	14.3	9.3	16.9	16.3	16.3	16.4	16.1	15.0	11.5	82.1	994.2	2.4	4.5	NØ
02	14.9	13.3	17.3	16.5	16.3	16.2	15.7	14.8	11.7	90.5	990.4	2.2	3.9	NØ
03	18.2	14.1	24.5	17.8	17.3	17.0	16.1	14.7	11.7	80.0	988.4	3.4	6.7	N
04	17.6	13.1	21.4	17.8	17.5	17.4	16.5	14.8	11.8	72.4	991.2	3.2	6.6	NØ
05	18.1	11.3	25.2	18.7	18.1	17.8	16.7	14.9	11.9	79.5	994.2	1.3	3.6	N
06	16.1	12.3	20.6	18.3	18.0	17.9	17.1	15.2	11.9	75.4	1000.1	2.3	5.0	NØ
07	16.4	12.7	19.3	17.9	17.7	17.6	17.0	15.4	12.0	86.9	1002.9	2.5	5.3	N
08	15.2	11.1	21.0	17.4	17.2	17.2	16.7	15.4	12.2	87.3	1000.6	1.8	6.6	SØ
09	15.8	8.7	21.7	17.9	17.5	17.3	16.6	15.3	12.3	76.7	1000.6	1.9	5.7	N
10	17.3	10.2	23.0	18.7	18.3	18.0	17.1	15.4	12.3	64.6	1004.4	2.2	4.8	S
11	15.7	13.7	17.5	17.4	17.4	17.5	17.1	15.6	12.4	92.4	997.5	3.1	5.2	S
12	16.7	11.6	21.5	18.1	17.7	17.5	16.8	15.6	12.5	64.8	996.5	3.3	6.8	N
13	19.3	12.7	25.8	19.4	18.8	18.5	17.3	15.6	12.6	66.2	1007.3	1.7	3.9	NV
14	20.3	11.5	26.7	20.2	19.6	19.2	18.1	15.8	12.7	69.4	1010.2	1.3	3.8	SV
15	21.8	12.7	29.3	20.6	20.1	19.7	18.5	16.1	12.8	67.6	1009.0	0.9	2.5	Ø
16	23.1	16.3	28.3	21.2	20.7	20.3	19.1	16.5	12.9	72.2	1008.8	1.6	3.7	Ø
17	21.7	16.6	28.0	21.2	20.7	20.5	19.4	16.9	13.0	80.9	1007.3	1.7	5.4	N
18	20.8	14.8	26.6	21.4	20.9	20.6	19.5	17.1	13.2	83.9	1005.7	1.5	4.2	N
19	19.1	15.9	21.9	21.1	20.7	20.5	19.6	17.3	13.4	80.7	1006.3	3.7	6.0	S
20	19.2	14.4	24.7	20.9	20.4	20.2	19.3	17.4	13.6	79.2	1005.2	1.9	4.5	S
21	18.6	14.1	21.4	19.9	19.6	19.6	19.1	17.4	13.7	88.4	1003.1	1.7	3.7	Ø
22	18.3	14.5	21.9	19.8	19.6	19.5	18.9	17.4	13.8	77.2	1002.3	3.4	5.7	S
23	17.9	11.7	22.2	19.2	19.0	19.0	18.5	17.3	13.9	78.0	1000.7	2.9	7.0	S
24	18.6	13.9	22.8	19.1	18.8	18.8	18.3	17.2	14.0	74.2	1001.1	3.3	6.3	S
25	16.8	14.3	19.9	18.3	18.2	18.2	18.0	17.2	14.0	89.1	999.0	2.0	4.1	Ø
26	16.9	13.3	19.8	18.3	18.2	18.1	17.8	17.0	14.1	88.4	997.8	2.5	4.3	SØ
27	16.5	13.3	19.6	18.3	18.2	18.1	17.8	16.9	14.1	87.3	996.7	1.8	3.3	SØ
28	17.6	12.6	22.5	19.1	18.8	18.6	17.9	16.9	14.1	78.6	1001.3	2.4	6.2	S
29	16.4	9.1	22.6	18.5	18.4	18.3	17.9	16.9	14.2	70.0	1010.2	1.7	3.9	SV
30	17.1	8.3	24.1	18.8	18.5	18.4	17.9	16.9	14.2	69.7	1008.6	1.3	2.9	SV
31	18.2	10.4	23.4	18.7	18.5	18.5	18.0	16.9	14.2	66.6	1007.1	2.1	4.9	S
Mid.	17.9	12.6	22.6	18.9	18.6	18.5	17.7	16.2	13.0	78.1	1001.6	2.2	4.9	

Høyeste temperatur: 29.3

Laveste temperatur: 8.3

Normal temperatur (1931-1960): 16.8

Normal temperatur (1961-1990): 16.1

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)	
	MJ/m2			%						E/m2				Albedo
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par					
01	11.75	8.77	6.33	5.8	12.3	23.1	7.1	51.7	25.9	0.23	0.01	2.2	5.8	
02	9.16	8.02	5.35	6.4	13.7	23.6	8.0	48.3	20.6	0.22	0.39	0.8	3.8	
03	17.48	10.87	10.87	5.5	13.1	22.8	7.3	51.3	38.6	0.22	0.82	1.8	2.8	
04	16.15	10.38	9.27	5.4	12.6	22.7	7.8	51.5	35.3	0.25	0.49	3.4	0.0	
05	20.35	8.78	11.94	5.2	13.2	22.9	7.6	51.2	44.8	0.21	1.01	2.6	0.0	
06	17.84	9.27	10.57	5.4	12.6	22.4	7.4	52.2	38.9	0.25	0.39	3.2	0.0	
07	12.52	9.01	7.32	5.7	13.5	22.2	7.6	51.0	27.3	0.24	0.44	2.3	0.0	
08	14.95	8.14	9.06	5.5	13.1	22.7	7.5	51.2	32.9	0.24	0.26	1.5	18.6	
09	24.02	7.81	14.24	5.1	13.6	22.7	7.2	51.4	52.1	0.22	0.77	3.3	0.6	
10	26.96	3.66	14.69	4.8	12.4	22.8	6.9	53.2	58.8	0.23	0.93	4.4	0.0	
11	4.98	4.23	1.89	6.2	14.2	21.8	9.3	48.5	11.1	0.23	-0.06	1.1	1.9	
12	26.06	8.84	15.73	4.9	12.2	22.9	7.0	53.0	56.9	0.24	0.71	5.0	0.0	
13	25.44	4.55	15.07	4.7	12.6	23.1	7.3	52.3	56.5	0.22	1.22	3.7	0.0	
14	25.94	3.79	15.10	4.7	12.5	23.3	7.3	52.3	57.7	0.22	1.06	3.6	0.0	
15	22.66	6.64	13.23	4.8	12.8	23.1	7.7	51.6	50.6	0.24	1.05	3.1	0.0	
16	21.63	8.87	13.25	4.9	12.6	23.0	7.3	52.2	48.0	0.25	1.04	3.3	0.0	
17	17.07	8.58	10.11	5.2	12.7	23.5	6.9	51.7	38.1	0.22	0.77	2.5	0.9	
18	17.05	8.97	10.25	5.4	12.8	23.7	7.2	51.0	38.4	0.21	0.89	2.1	0.4	
19	22.46	8.77	13.82	5.3	12.5	23.0	7.1	52.1	49.6	0.22	0.42	4.9	0.4	
20	21.52	5.66	13.14	5.2	12.9	22.8	7.6	51.6	47.7	0.21	0.66	3.8	0.0	
21	11.28	8.73	6.28	5.4	12.9	22.8	7.3	51.6	24.8	0.22	0.26	1.6	4.7	
22	18.75	10.73	10.31	5.4	12.5	22.8	6.9	52.4	41.2	0.23	0.33	3.9	0.0	
23	21.33	6.73	12.46	5.2	12.5	22.7	6.9	52.6	46.7	0.22	0.37	3.9	0.0	
24	22.44	6.50	13.45	5.0	12.3	22.5	6.8	53.5	49.0	0.23	0.43	4.2	0.0	
25	8.89	6.40	4.24	6.1	14.0	22.6	9.0	48.4	20.3	0.25	0.09	6.0	25.2	
26	9.95	8.29	5.19	6.1	13.3	23.7	7.8	49.2	22.5	0.24	0.33	2.6		
27	11.00	7.71	6.17	5.8	13.1	23.8	7.0	50.3	24.4	0.23	0.20	5.0		
28	22.13	6.16	12.92	5.2	12.6	22.7	7.0	52.5	48.7	0.24	0.56	4.3	25.5	
29	23.23	4.96	13.24	4.9	12.0	22.4	7.1	53.6	50.4	0.23	0.32	4.3	0.0	
30	23.74	4.42	13.61	4.8	11.1	23.2	6.5	54.4	52.0	0.22	0.49	3.7	0.0	
31	22.92	3.91	13.54	4.9	11.9	22.7	6.5	54.0	50.4	0.23	0.35	4.7	0.0	
Sum	571.6	228.1	332.6						1260.2		17.02	102.8	90.6	
Mid.	18.44	7.36	10.73	5.3	12.8	22.9	7.4	51.7	40.7	0.23	0.55	3.3		

Normal nedbør (1931-60): 79 mm

Normal nedbør (1961-90): 81 mm

25 - 28.7.03: Nedbør er registrert manuelt

Meteorologiske data for Ås
August 2003

9

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	18.3	15.2	21.6	18.3	18.2	18.2	17.9	17.0	14.2	81.9	1006.2	2.8	5.2	S
02	17.9	14.9	22.4	18.8	18.6	18.5	17.9	16.9	14.2	81.0	1004.6	3.0	6.2	S
03	17.7	11.7	22.2	19.0	18.7	18.7	18.1	17.0	14.3	71.7	1006.3	2.0	5.3	S
04	16.8	8.2	23.9	17.9	17.8	17.9	17.7	17.0	14.3	59.8	1009.3	2.4	5.4	NV
05	17.4	9.5	24.0	17.8	17.6	17.6	17.4	16.9	14.3	60.6	1013.8	1.8	4.6	N
06	18.3	11.7	24.1	18.3	18.1	18.0	17.5	16.8	14.3	70.4	1013.1	2.4	5.0	S
07	20.9	15.6	27.2	19.6	19.1	18.8	18.0	16.8	14.3	69.7	1008.7	1.7	3.5	NV
08	19.5	12.1	26.1	19.3	19.0	18.9	18.2	16.9	14.3	67.6	1008.6	1.3	3.1	NØ
09	19.4	11.8	25.4	19.2	18.9	18.8	18.3	17.0	14.4	70.2	1010.1	2.1	5.4	N
10	20.8	13.3	26.0	19.6	19.2	19.0	18.4	17.1	14.4	73.4	1008.5	2.2	5.4	SØ
11	20.7	16.6	26.1	20.2	19.8	19.5	18.8	17.2	14.4	83.1	1006.0	1.5	4.6	Ø
12	20.5	14.2	27.0	19.8	19.4	19.3	18.7	17.4	14.5	68.6	1003.8	1.7	3.7	NØ
13	16.3	11.9	18.7	18.2	18.3	18.5	18.4	17.5	14.6	88.1	996.7	2.0	6.0	Ø
14	13.7	12.0	15.9	16.4	16.7	16.9	17.3	17.3	14.6	81.8	983.7	3.9	6.6	NV
15	15.9	11.1	21.2	17.0	16.8	16.8	16.8	16.9	14.7	72.0	989.5	2.8	5.1	NV
16	16.6	11.1	21.0	16.9	16.7	16.8	16.7	16.6	14.6	71.0	999.5	2.5	5.1	N
17	17.3	10.3	23.0	17.8	17.6	17.4	17.0	16.5	14.6	70.1	1004.9	1.5	3.8	N
18	16.9	11.3	21.5	17.6	17.5	17.5	17.2	16.6	14.5	80.4	1004.1	1.8	5.7	SØ
19	15.7	11.3	19.9	17.0	17.1	17.2	17.1	16.6	14.5	90.0	997.0	2.4	4.4	SØ
20	15.5	9.4	21.9	16.5	16.6	16.7	16.7	16.5	14.5	69.0	994.8	2.8	5.9	SV
21	14.6	9.6	17.3	16.1	16.2	16.3	16.4	16.3	14.5	85.8	993.9	2.5	4.9	SV
22	16.6	12.4	21.6	16.9	16.8	16.8	16.5	16.2	14.4	80.8	987.6	3.4	5.1	S
23	15.1	10.5	20.3	16.0	16.1	16.3	16.3	16.2	14.4	71.6	992.8	2.8	7.1	NV
24	17.2	11.4	22.6	16.3	16.2	16.2	16.1	16.0	14.4	62.7	1004.6	2.8	5.9	N
25	14.7	8.2	20.1	16.3	16.2	16.2	16.1	15.9	14.3	67.9	1005.4	1.5	3.6	N
26	12.2	8.2	17.0	15.6	15.7	15.9	16.0	15.9	14.3	82.7	995.9	2.0	5.4	N
27	10.2	5.5	16.5	14.3	14.6	14.8	15.2	15.7	14.2	75.3	991.3	3.1	8.5	N
28	11.4	3.8	17.9	14.0	14.1	14.2	14.5	15.4	14.2	74.9	993.9	1.9	5.2	NV
29	12.4	8.1	17.9	14.7	14.7	14.7	14.7	15.2	14.1	70.5	995.5	1.7	4.0	N
30	12.1	6.5	16.7	13.9	14.1	14.4	14.6	15.1	14.0	67.8	995.1	2.7	5.6	N
31	11.0	6.7	16.4	13.4	13.6	13.8	14.1	14.9	13.9	70.5	997.9	2.6	7.1	N
Mid.	16.2	10.8	21.4	17.2	17.1	17.1	16.9	16.5	14.4	73.9	1000.7	2.3	5.2	

Høyeste temperatur: 27.2

Laveste temperatur: 3.8

Normal temperatur (1931-1960): 15.6

Normal temperatur (1961-1990): 14.9

DATO	STRÅLING										Jord- varmefflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm)
	MJ/m2			%						E/m2			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	8.72	7.52	5.11	5.9	13.3	22.9	8.0	49.8	19.4	0.23	0.20	1.7	9.0
02	17.73	7.92	10.25	5.5	12.8	22.6	6.9	52.2	38.9	0.23	0.54	3.0	1.3
03	22.44	4.79	12.95	4.9	12.1	22.9	6.6	53.5	49.1	0.23	0.51	4.3	0.1
04	21.80	4.76	12.05	4.9	12.0	22.6	6.9	53.6	47.6	0.24	-0.15	4.7	0.0
05	22.95	3.12	12.74	4.8	11.8	22.5	6.6	54.3	50.2	0.24	-0.02	3.8	0.0
06	21.81	3.82	12.78	4.9	12.4	23.0	6.6	53.1	48.5	0.23	0.40	4.2	0.0
07	20.50	5.24	12.03	4.8	12.5	23.0	6.8	52.8	45.7	0.22	0.71	3.2	0.0
08	20.61	4.29	12.29	4.9	12.3	22.9	6.6	53.3	45.8	0.23	0.38	3.6	0.0
09	20.98	4.06	12.27	4.9	12.5	22.9	6.8	53.0	46.8	0.22	0.44	3.9	0.0
10	20.92	3.66	12.63	4.9	12.9	23.1	6.7	52.5	47.0	0.22	0.56	3.8	0.0
11	12.85	8.38	7.91	5.3	13.2	22.7	8.1	50.6	28.8	0.19	0.63	1.9	0.0
12	19.24	4.93	12.24	5.0	12.4	23.2	6.5	52.9	42.8	0.19	0.36	3.4	0.0
13	5.15	4.52	2.52	6.6	14.7	24.5	8.1	46.2	12.1	0.18	-0.24	1.6	21.7
14	4.99	4.45	1.99	7.3	14.3	24.7	9.2	44.5	11.8	0.18	-0.59	2.0	6.3
15	18.84	6.10	11.02	5.2	11.6	22.9	6.4	53.9	41.7	0.22	-0.01	2.6	1.8
16	16.65	6.54	9.31	5.3	12.1	23.4	6.1	53.1	37.6	0.21	0.02	2.4	1.1
17	19.30	4.63	10.99	5.0	11.9	23.6	6.2	53.3	43.4	0.22	0.43	2.9	0.0
18	12.42	9.59	6.72	5.8	12.9	23.3	6.9	51.1	27.8	0.22	0.22	2.1	0.0
19	5.67	4.24	2.26	6.0	13.6	22.6	8.7	49.0	13.0	0.27	-0.03	0.9	14.2
20	18.65	4.67	9.93	5.0	11.8	22.8	6.2	54.1	41.2	0.23	-0.09	3.6	0.0
21	9.04	7.24	4.79	6.1	13.8	22.9	6.8	50.4	20.6	0.20	-0.12	1.1	0.4
22	11.32	6.76	6.10	5.5	12.9	22.5	7.6	51.5	25.3	0.24	0.26	1.7	8.8
23	10.59	6.81	5.35	5.8	12.3	23.4	6.7	51.8	23.9	0.25	-0.26	2.1	0.3
24	17.44	3.42	9.65	5.1	12.0	23.3	5.8	53.8	38.9	0.23	0.18	3.3	0.0
25	14.33	8.98	7.41	5.3	11.9	22.6	6.8	53.4	31.6	0.23	0.07	2.1	0.0
26	9.82	7.27	4.51	5.7	12.4	23.2	6.5	52.2	21.8	0.22	-0.33	1.8	4.0
27	12.87	5.28	6.11	5.3	11.9	22.7	6.3	53.8	28.4	0.25	-0.49	2.0	2.8
28	17.32	3.82	9.44	5.0	11.0	23.1	5.6	55.4	38.3	0.24	-0.25	2.4	0.0
29	16.15	3.71	8.69	5.0	11.4	22.8	6.1	54.7	35.8	0.23	-0.06	2.1	1.3
30	13.34	8.94	7.02	5.4	11.7	22.9	6.7	53.3	29.6	0.25	-0.46	2.9	0.0
31	15.46	6.82	7.99	5.0	11.1	22.9	5.7	55.3	34.3	0.25	-0.38	2.6	0.7
Sum	479.9	176.3	267.0						1067.6		2.44	83.7	73.8
Mid.	15.48	5.69	8.61	5.3	12.4	23.0	6.8	52.3	34.4	0.23	0.08	2.7	

Normal nedbør (1931-60): 96 mm

Normal nedbør (1961-90): 83 mm

Meteorologiske data for Ås
September 2003

10

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	9.6	2.8	15.3	12.7	13.0	13.3	13.7	14.7	13.8	64.1	1005.4	2.6	5.4	N
02	9.0	0.0	16.9	11.8	12.0	12.3	12.9	14.4	13.7	82.2	1007.9	2.1	5.6	S
03	12.9	4.8	20.2	13.1	13.1	13.1	13.1	14.0	13.6	72.6	1007.6	1.5	4.7	NV
04	14.1	7.3	22.9	14.0	13.8	13.8	13.6	14.0	13.4	74.6	1011.2	1.3	4.6	Ø
05	13.4	6.4	19.5	14.3	14.1	14.2	13.9	14.0	13.3	86.5	1012.2	2.1	5.2	S
06	15.1	12.0	19.5	15.0	14.8	14.8	14.4	14.1	13.2	76.3	1009.7	2.4	4.7	SØ
07	13.1	11.7	14.3	14.0	14.1	14.3	14.3	14.3	13.2	89.9	1004.7	2.7	4.2	SØ
08	14.8	13.5	18.4	14.6	14.6	14.5	14.3	14.3	13.1	82.9	1003.1	2.0	2.9	Ø
09	14.9	11.5	17.6	14.4	14.4	14.4	14.3	14.3	13.1	73.7	1003.8	3.1	5.6	Ø
10	14.0	11.7	16.8	14.4	14.4	14.5	14.4	14.3	13.1	72.4	1004.3	2.9	5.3	Ø
11	13.5	10.3	16.8	14.2	14.2	14.3	14.2	14.3	13.1	78.2	1007.8	2.0	3.5	NØ
12	13.2	11.1	16.7	14.3	14.2	14.3	14.1	14.2	13.1	90.6	1009.2	1.2	3.9	Ø
13	14.1	11.1	18.7	14.7	14.6	14.6	14.3	14.2	13.0	76.9	1015.9	2.1	4.2	NV
14	14.4	10.7	18.2	14.1	14.1	14.3	14.2	14.2	13.0	83.1	1012.7	4.7	8.3	S
15	16.3	14.0	20.6	14.6	14.5	14.6	14.3	14.2	13.0	74.9	1004.8	5.4	8.8	SV
16	14.3	7.6	19.9	14.6	14.6	14.6	14.3	14.2	13.0	70.9	1003.1	1.4	3.5	S
17	10.9	3.8	15.1	13.0	13.2	13.4	13.8	14.2	13.0	84.3	1003.7	2.4	6.4	S
18	16.2	13.9	19.6	14.4	14.2	14.2	13.9	14.0	13.0	83.2	994.3	5.8	8.4	S
19	12.1	7.9	15.4	14.1	14.1	14.2	14.1	14.1	12.9	88.3	996.9	1.8	7.4	S
20	8.2	1.9	12.3	12.8	13.0	13.2	13.5	14.0	12.9	82.1	1010.3	1.5	4.0	N
21	12.1	8.9	16.8	13.5	13.4	13.5	13.4	13.8	12.9	89.1	996.7	1.8	4.2	Ø
22	15.2	10.5	17.8	13.8	13.7	13.7	13.6	13.7	12.8	87.1	983.4	7.1	10.8	S
23	9.8	5.5	15.0	13.0	13.2	13.4	13.6	13.8	12.8	65.3	981.8	3.9	11.1	NV
24	7.5	-0.9	12.5	10.6	11.1	11.5	12.3	13.6	12.8	67.9	1006.9	3.5	7.6	S
25	12.8	10.4	15.1	11.5	11.6	11.7	12.0	13.2	12.7	79.1	1005.7	4.7	8.5	S
26	12.2	10.6	13.5	11.8	11.9	12.0	12.2	13.0	12.6	86.2	999.6	4.3	7.5	S
27	8.5	5.6	11.6	11.0	11.3	11.6	12.0	12.9	12.5	65.2	998.2	4.4	9.4	N
28	4.7	-1.6	11.3	9.2	9.6	10.0	10.9	12.6	12.4	70.9	1002.3	1.4	4.3	N
29	4.5	-0.6	10.5	8.7	9.1	9.4	10.1	12.2	12.3	85.6	1001.4	1.0	3.2	Ø
30	6.9	-0.1	12.3	8.6	8.9	9.1	9.8	11.8	12.2	90.3	1002.8	2.3	6.6	S
Mid.	11.9	7.4	16.4	13.0	13.1	13.2	13.3	13.8	13.0	79.2	1003.6	2.9	6.0	

Høyeste temperatur: 22.9

Laveste temperatur: -1.6

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		UV	%				E/m2 Par	Albedo			
	Diffus	Balanse	Blå		Grønn	Rød	IRød						
01	17.59	2.50	8.24	4.8	10.1	22.7	4.7	57.8	38.3	0.25	-0.54	3.1	0.0
02	12.06	8.17	6.32	5.3	12.0	22.6	6.7	53.4	26.9	0.25	-0.58	1.8	0.0
03	15.35	5.95	8.26	4.8	11.3	23.2	5.7	55.0	34.3	0.25	-0.02	2.1	0.0
04	14.15	5.40	7.05	4.9	11.9	23.2	6.2	53.8	31.7	0.21	0.18	1.4	0.0
05	13.98	3.84	7.50	4.9	12.1	22.2	6.1	54.7	30.9	0.24	0.13	1.5	0.1
06	12.11	5.93	6.42	5.2	11.9	22.6	6.4	54.0	26.7	0.25	0.25	1.3	0.0
07	1.79	1.65	0.36	7.1	14.9	22.7	10.9	44.4	4.3	0.23	-0.21	0.3	11.5
08	6.03	4.89	2.61	5.9	13.0	23.3	7.4	50.3	13.4	0.26	0.19	0.5	0.0
09	9.97	5.69	4.30	5.3	11.1	23.2	5.3	55.1	21.9	0.24	0.00	2.1	0.0
10	11.55	6.22	5.66	5.3	10.8	23.1	5.6	55.2	25.3	0.24	0.00	2.4	0.0
11	6.94	5.28	3.41	5.8	12.1	22.9	7.3	51.9	15.5	0.24	-0.01	1.5	0.0
12	5.83	4.91	3.20	6.1	12.9	23.1	7.5	50.4	13.1	0.21	0.11	0.3	0.0
13	11.06	5.63	5.15	5.3	11.4	23.4	6.3	53.8	24.9	0.21	0.19	1.5	0.0
14	9.65	5.00	4.15	5.3	11.7	23.6	4.7	54.7	21.6	0.22	-0.06	1.3	0.1
15	7.88	6.02	3.06	5.5	12.4	23.4	6.4	52.3	17.5	0.22	0.11	1.6	0.1
16	11.56	3.55	6.04	5.1	11.1	22.7	6.7	54.3	25.8	0.21	0.15	1.4	0.4
17	7.24	5.24	4.06	5.4	11.5	23.5	5.8	53.8	16.5	0.18	-0.40	1.1	1.3
18	7.66	6.36	3.51	5.6	12.8	22.7	6.4	52.5	17.2	0.21	0.27	1.1	0.1
19	4.04	3.56	1.32	6.3	13.7	24.2	7.7	48.2	9.3	0.19	-0.07	0.8	6.2
20	10.05	8.70	3.99	5.3	10.8	23.3	4.4	56.2	22.1	0.22	-0.35	1.2	1.9
21	6.00	5.45	2.33	5.3	11.5	23.5	6.5	53.1	13.5	0.26	0.08	0.3	8.7
22	4.43	3.96	2.26	6.5	11.7	24.2	7.6	50.1	10.1	0.22	0.15	0.8	1.4
23	10.79	10.44	5.10	5.0	11.1	22.3	5.1	56.5	23.3	0.24	-0.41	2.3	3.0
24	11.70	11.57	4.50	4.8	10.2	20.9	4.4	59.7	24.8	0.22	-0.96	2.8	1.4
25	3.77	3.38	1.00	6.4	12.9	23.4	7.7	49.6	8.5	0.21	-0.19	0.8	0.1
26	2.15	1.95	0.63	6.6	13.6	24.0	7.5	48.2	4.9	0.20	-0.19	0.4	6.0
27	9.31	8.81	3.72	5.3	10.7	22.2	5.7	56.1	20.3	0.27	-0.54	2.3	0.7
28	10.69	10.77	3.35	4.9	9.4	21.9	3.6	60.2	22.9	0.24	-0.85	1.8	0.0
29	5.56	4.88	1.83	6.0	11.3	21.7	7.4	53.5	12.2	0.23	-0.66	0.3	0.2
30	4.20	3.65	1.75	6.2	11.9	22.6	7.8	51.5	9.3	0.20	-0.51	0.3	10.1
Sum	265.1	169.4	121.1						587.1		-4.76	40.4	53.3
Mid.	8.84	5.65	4.04	5.5	11.8	22.9	6.4	53.3	19.6	0.23	-0.16	1.3	

Normal nedbør (1931-60): 86 mm

Normal nedbør (1961-90): 90 mm

Meteorologiske data for Ås
Oktober 2003

11

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	9.9	5.2	14.6	10.1	10.1	10.2	10.2	11.5	12.0	85.1	998.5	1.8	3.8	S
02	8.4	2.3	15.7	9.7	9.8	10.0	10.3	11.5	11.8	77.8	995.7	1.3	3.3	SØ
03	9.8	6.6	13.4	9.9	10.0	10.1	10.3	11.4	11.7	90.3	987.4	3.4	6.9	S
04	6.4	1.0	13.9	9.0	9.3	9.6	10.1	11.4	11.5	80.0	982.9	1.0	2.6	NØ
05	6.6	0.4	12.4	8.0	8.3	8.7	9.4	11.2	11.4	66.4	987.3	2.3	3.6	NV
06	4.5	-2.6	9.9	7.3	7.6	8.0	8.8	10.9	11.3	84.6	982.3	1.8	4.7	NØ
07	6.3	0.1	7.6	8.3	8.4	8.6	9.0	10.6	11.2	90.1	978.6	2.7	4.6	Ø
08	3.4	-2.3	8.4	7.0	7.3	7.7	8.5	10.4	11.0	91.3	980.4	1.0	3.4	NØ
09	6.3	1.0	12.8	7.0	7.3	7.6	8.2	10.2	10.9	75.9	985.9	1.8	3.6	NV
10	8.4	2.8	13.3	8.1	8.1	8.2	8.4	10.0	10.7	82.9	980.4	2.3	4.6	S
11	6.9	0.3	12.7	8.0	8.2	8.4	8.8	9.9	10.6	71.6	992.4	2.2	5.3	NV
12	5.6	-0.5	13.2	6.5	6.9	7.2	8.0	9.9	10.5	72.7	1010.7	1.7	4.1	NV
13	2.8	-2.6	8.6	5.2	5.7	6.2	7.2	9.6	10.4	75.8	1020.7	1.9	5.2	N
14	1.2	-3.9	9.9	4.1	4.6	5.1	6.3	9.1	10.2	85.5	1024.9	0.6	2.2	NØ
15	1.2	-3.3	9.6	3.7	4.1	4.6	5.7	8.7	10.1	85.0	1025.9	0.8	2.6	NØ
16	1.0	-4.0	9.6	3.1	3.6	4.1	5.2	8.3	9.9	87.3	1024.4	0.7	2.2	NØ
17	-0.6	-3.9	1.8	3.4	3.7	4.0	4.9	7.9	9.7	97.6	1016.8	1.1	4.0	N
18	1.1	-2.7	3.7	4.0	4.2	4.5	5.1	7.7	9.4	90.8	1008.7	1.4	4.3	N
19	-0.6	-5.5	4.0	3.1	3.6	4.1	5.0	7.7	9.2	75.8	1006.0	1.6	5.2	NØ
20	-1.9	-7.7	4.4	1.5	2.1	2.6	4.0	7.3	9.0	82.0	1002.0	0.8	3.1	NØ
21	-1.2	-3.4	1.7	1.7	2.1	2.5	3.6	7.0	8.9	83.2	1008.7	2.2	3.9	NØ
22	-3.7	-8.3	1.4	0.8	1.4	1.9	3.2	6.6	8.7	82.1	1015.4	1.3	3.4	N
23	-5.9	-10.1	1.1	0.4	0.9	1.4	2.6	6.2	8.4	83.0	1008.9	0.8	2.5	NØ
24	-3.4	-10.4	5.7	0.1	0.6	1.1	2.2	5.9	8.2	82.8	997.6	1.0	3.0	Ø
25	1.1	-3.2	5.3	0.1	0.6	1.0	2.0	5.6	8.0	63.0	994.0	2.6	6.6	N
26	-1.7	-6.8	5.5	0.1	0.5	0.9	1.9	5.4	7.7	74.4	1001.5	1.2	3.6	Ø
27	3.3	-3.2	8.6	0.1	0.5	0.8	1.8	5.1	7.5	86.7	994.7	2.6	5.5	S
28	7.2	1.0	11.0	0.9	1.1	1.3	1.9	5.1	7.3	76.7	987.9	3.8	8.5	S
29	2.3	-0.3	5.6	1.7	1.9	2.0	2.3	5.0	7.1	94.7	984.8	1.4	4.6	NØ
30	0.3	-2.6	2.0	1.5	1.8	2.0	2.6	5.1	6.9	95.1	983.0	1.2	3.2	NØ
31	1.2	0.5	1.9	2.0	2.2	2.3	2.7	5.2	6.7	95.5	983.0	1.9	3.3	N
Mid.	2.8	-2.1	8.0	4.4	4.7	5.1	5.8	8.3	9.6	82.8	998.4	1.7	4.1	

Høyeste temperatur: 15.7

Laveste temperatur: -10.4

Normal temperatur (1931-1960): 5.7

Normal temperatur (1961-1990): 6.2

DATO	STRÅLING										Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **
	MJ/m2			* %						E/m2			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par	Albedo			
01	9.08	3.36	3.97	5.0	9.9	22.9	4.4	57.9	20.0	0.25	-0.03	0.5	0.0
02	9.52	1.42	3.52	4.8	9.4	23.1	2.9	59.8	21.1	0.24	-0.29	0.9	0.2
03	3.74	3.19	0.80	6.1	12.6	22.6	7.2	51.6	8.3	0.25	-0.16	0.0	1.3
04	9.25	1.38	3.56	4.8	9.3	22.8	3.0	60.1	20.1	0.23	-0.59	1.1	
05	9.22	1.39	2.09	4.8	9.9	22.2	2.0	61.1	19.9	0.21	-0.71	1.0	
06	6.90	3.82	3.34	5.1	10.8	21.3	5.6	57.2	14.7	0.22	-0.68	0.5	0.0
07	2.43	2.29	0.81	6.8	14.2	23.5	7.2	48.3	5.4	0.21	-0.30	0.0	8.5
08	5.51	4.39	2.39	5.5	11.3	23.2	6.0	54.0	11.8	0.21	-0.70	0.2	0.1
09	8.05	1.29	2.52	4.8	10.7	21.7	2.7	60.2	17.5	0.26	-0.54	0.3	0.5
10	6.91	3.67	1.82	4.9	10.3	22.0	5.2	57.6	15.1	0.23	0.01	0.3	0.2
11	7.45	2.46	1.24	4.8	9.6	22.3	2.5	60.8	16.2	0.28	-0.45	1.0	
12	7.66	1.12	0.46	4.6	9.4	21.6	2.5	61.9	16.6	0.27	-0.81		
13	7.45	1.15	0.20	4.6	8.4	21.5	1.5	63.9	16.0	0.27	-1.06		0.1
14	7.15	1.72	1.30	4.5	10.0	20.4	3.5	61.6	14.7	0.24	-1.11		0.0
15	7.09	1.97	1.33	4.4	8.8	21.6	3.6	61.6	14.9	0.25	-0.96		0.0
16	7.04	1.25	1.20	4.3	9.4	20.3	3.9	62.1	14.3	0.23	-1.00		0.0
17	2.40	2.26	1.28	6.4	9.2	23.1	5.4	55.8	5.3	0.15	-0.71		0.0
18	1.85	1.71	0.50	6.7	14.1	24.3	6.4	48.5	4.2	0.25	-0.52		
19	6.28	1.10	-0.86	4.7	8.2	22.1	0.1	64.9	12.8	0.27	-0.93		
20	6.29	1.51	0.38	4.3	8.6	18.9	5.0	63.3	11.9	0.25	-1.22		3.5
21	3.94	3.05	-0.89	5.4	10.1	22.7	2.6	59.2	8.0	0.26	-0.89		0.0
22	5.67	1.49	-0.85	4.6	6.9	19.9	0.4	68.2	11.3	0.26	-1.15		0.0
23	5.31	2.12	-0.27	4.5	2.6	24.3	3.9	64.7	10.6	0.24	-1.11		0.0
24	5.50	1.79	-0.28	4.4	9.8	21.6	2.1	62.1	10.9	0.24	-1.02		0.0
25	4.59	2.03	-1.32	4.9	8.8	21.8	1.8	62.7	9.5	0.27	-0.88		
26	4.98	1.07	-1.62	4.5	7.2	20.7	-0.3	67.9	10.1	0.21	-0.87		
27	4.25	1.08	-0.39	4.9	9.8	21.2	3.3	60.8	9.6	0.27	-0.78		0.7
28	1.86	1.69	-0.98	5.4	12.0	23.5	3.6	55.4	4.0	0.20	-0.46		0.0
29	0.85	0.84	-0.02	6.8	17.6	24.6	6.9	44.2	2.0	0.09	-0.23		0.0
30	1.11	0.89	0.15	4.8	20.5	15.7	15.5	43.6	1.7	0.00	-0.54		8.7
31	0.45	0.45	0.17	7.7	13.4	26.4	7.7	44.7	1.1	0.13	-0.29		7.8
Sum	169.8	59.0	25.6						359.9		-20.98		31.6
Mid.	5.48	1.90	0.83	5.2	10.4	22.1	4.1	58.3	11.6	0.22	-0.68		

Normal nedbør (1931-60): 86 mm

* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Normal nedbør (1961-90): 100 mm

** Nedbør er registrert manuelt kl. 8 på hverdager. 31.10.03 registrert nedbør kl. 00-24

Meteorologiske data for Ås
November 2003

12

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	Retn.
	Mid	Min	Max	2	5	10	20	50	100					
01	2.7	1.8	4.3	2.8	2.8	2.9	3.1	5.2	6.6	94.9	981.3	2.1	3.6	N
02	4.6	0.7	7.5	3.4	3.4	3.4	3.5	5.3	6.5	92.8	981.9	2.6	6.0	SØ
03	7.9	6.2	9.7	5.2	5.0	4.8	4.4	5.3	6.4	93.4	981.6	3.5	6.3	S
04	3.6	-1.3	9.2	4.5	4.7	4.8	4.9	5.6	6.3	92.2	1000.7	0.8	1.9	Ø
05	7.3	-1.1	10.0	4.5	4.4	4.4	4.5	5.6	6.3	93.8	1015.2	3.7	7.7	S
06	7.7	6.1	9.3	6.1	6.0	5.9	5.5	5.9	6.3	90.5	1023.6	3.4	6.8	S
07	5.0	2.7	7.6	5.6	5.7	5.7	5.7	6.1	6.3	89.8	1033.1	1.4	3.1	N
08	3.0	1.0	5.6	4.6	4.9	5.0	5.4	6.3	6.4	88.4	1031.4	2.4	4.0	N
09	1.3	-1.7	4.6	3.1	3.5	3.8	4.5	6.3	6.5	90.7	1025.2	1.9	4.7	N
10	3.0	2.3	3.9	3.9	4.0	4.1	4.4	6.0	6.5	95.2	1023.3	0.9	1.9	N
11	2.6	1.8	3.3	4.1	4.3	4.3	4.6	6.0	6.5	92.1	1020.9	1.5	2.9	SØ
12	1.6	0.3	2.5	3.7	4.0	4.1	4.5	6.1	6.5	93.7	1017.1	1.4	3.1	Ø
13	1.1	-0.4	2.2	3.5	3.8	3.9	4.4	6.0	6.4	95.0	1012.6	1.8	3.0	Ø
14	2.1	0.1	5.0	3.3	3.5	3.7	4.1	6.1	6.4	96.5	1007.5	1.3	2.7	S
15	3.3	2.5	5.0	3.9	4.0	4.1	4.2	6.0	6.3	92.5	998.7	2.0	2.9	Ø
16	2.8	1.8	3.9	3.8	3.9	4.0	4.3	6.0	6.3	93.0	994.3	2.0	3.9	N
17	0.7	-2.7	4.9	2.9	3.3	3.6	4.1	6.0	6.3	93.7	995.5	0.6	1.8	Ø
18	-0.8	-2.5	1.2	2.1	2.4	2.7	3.5	5.8	6.2	96.5	993.0	1.2	2.9	Ø
19	2.9	0.9	6.5	2.3	2.6	2.8	3.3	5.7	6.1	86.9	986.3	2.1	5.4	S
20	0.2	-3.1	4.5	1.1	1.6	2.0	2.9	5.7	6.1	89.5	996.6	1.1	4.1	NØ
21	0.8	-0.1	1.5	1.3	1.6	1.8	2.5	5.5	6.0	95.0	995.6	1.5	2.6	N
22	0.7	0.1	1.6	2.0	2.3	2.3	2.7	5.2	5.9	92.9	996.6	1.0	2.9	N
23	0.1	-3.3	0.7	1.9	2.2	2.3	2.8	5.0	5.8	90.6	993.3	3.7	5.9	N
24	-4.4	-8.7	-2.0	1.6	1.9	2.1	2.7	4.9	5.7	95.4	996.5	1.0	7.3	Ø
25	-0.6	-2.8	0.6	1.7	1.9	2.1	2.6	4.9	5.6	95.5	996.3	1.6	4.2	Ø
26	1.4	0.0	2.7	1.8	2.1	2.2	2.6	5.0	5.5	94.6	996.3	2.4	4.3	Ø
27	3.5	2.8	4.3	2.5	2.6	2.6	2.8	4.7	5.4	94.9	990.5	1.7	3.8	Ø
28	2.3	0.9	3.3	3.0	3.1	3.1	3.2	4.7	5.3	95.8	994.4	1.6	4.2	S
29	3.8	1.0	5.9	3.3	3.3	3.3	3.4	5.0	5.2	94.2	1000.6	3.2	5.6	S
30	4.6	1.9	6.3	3.7	3.7	3.7	3.7	5.3	5.2	93.4	997.0	3.3	5.1	SØ
Mid.	2.5	0.2	4.5	3.2	3.4	3.5	3.8	5.6	6.1	93.1	1002.6	2.0	4.2	

Høyeste temperatur: 10.0

Laveste temperatur: -8.7

Normal temperatur (1931-1960): 0.9

Normal temperatur (1961-1990): 0.4

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	0.53	0.54	0.19	7.9	48.7		43.4	1.3	0.17	-0.06			
02	2.96	1.69	0.77	5.1	29.4		65.4	6.1	0.23	0.05			
03	1.33	1.32	0.60	6.3	44.9		48.8	2.9	0.17	0.51		30.7	
04	3.73	1.10	-0.21	4.7	31.5		63.8	7.7	0.21	-0.28		0.8	
05	0.87	0.88	0.54	7.2	42.8		50.0	1.9	0.14	0.14		0.4	
06	1.13	1.14	0.23	6.7	44.9		48.4	2.5	0.23	0.33		0.2	
07	1.68	1.69	0.45	6.8	44.2		49.0	3.8	0.19	-0.01		0.0	
08	3.04	0.97	-0.85	4.9	27.7		67.3	6.4	0.26	-0.45			
09	2.61	1.00	0.22	5.2	30.8		64.1	5.3	0.24	-0.72			
10	0.53	0.57	0.17	8.3	48.3		43.4	1.3	0.14	-0.18		0.8	
11	1.33	1.31	0.36	6.5	42.7		50.7	2.8	0.23	-0.19		0.6	
12	0.94	0.96	0.01	7.0	42.1		50.9	2.0	0.24	-0.34		0.0	
13	0.61	0.62	-0.10	7.5	45.3		47.2	1.3	0.20	-0.37		0.0	
14	1.11	1.09	0.45	6.5	43.0		50.5	2.3	0.19	-0.36		1.2	
15	0.36	0.35	-0.12	8.0	46.9		45.2	0.8	0.36	-0.15			
16	0.88	0.86	0.13	6.7	45.0		48.3	1.9	0.15	-0.22			
17	2.13	0.74	-0.43	5.3	25.4		69.4	4.7	0.20	-0.63		16.9	
18	0.40	0.37	0.17	8.5	46.4		45.1	1.0	0.37	-0.65		0.0	
19	0.71	0.66	-0.89	7.1	48.9		44.0	1.6	0.37	-0.51		5.0	
20	1.92	0.80	-1.00	5.2	19.6		75.2	4.1	0.15	-0.91		0.0	
21	0.51	0.54	0.30	6.8	42.5		50.7	1.2	0.14	-0.46		0.7	
22	0.44	0.45	-0.12	8.7	46.6		44.6	1.0	0.25	-0.26			
23	0.55	0.53	-0.54	8.4	49.0		42.7	1.4	0.99	-0.36			
24	1.37	1.07	-0.05	6.0	38.3		55.7	2.6	0.55	-0.47		5.6	
25	0.46	0.45	-0.06	8.4	48.7		42.9	1.0	0.65	-0.33		0.1	
26	0.59	0.59	0.30	6.9	45.7		47.4	1.3	0.59	-0.30		0.0	
27	0.15	0.14	0.02	7.1	40.2		52.7	0.3	0.05	-0.01		10.9	
28	0.49	0.47	0.19	6.2	40.0		53.8	0.9	0.17	-0.06		0.6	
29	0.47	0.45	0.03	7.0	50.1		42.9	1.0	0.24	0.03			
30	0.11	0.15	-0.09	8.9	22.6		68.5	0.3	0.23	0.05		20.8	
Sum	33.9	23.5	0.7					72.7		-7.20		95.3	
Mid.	1.13	0.78	0.02	6.9	40.7		52.4	2.4	0.28	-0.24			

Normal nedbør (1931-60): 83 mm

* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Normal nedbør (1961-90): 79 mm

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

Meteorologiske data for Ås
Desember 2003

13

DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Hytte			Jord(cm)					Mid (m/s)			Max (m/s)	Retn.	
	Mid	Min	Max	2	5	10	20	50	100					
01	6.1	5.2	6.8	4.6	4.6	4.5	4.3	5.3	5.2	94.1	1005.2	2.3	6.1	S
02	4.9	4.6	5.3	4.5	4.6	4.5	4.5	5.6	5.2	95.6	1014.1	0.7	1.5	N
03	4.4	3.9	4.8	4.5	4.6	4.6	4.6	5.8	5.2	95.9	1016.7	1.5	4.1	S
04	3.9	1.9	6.3	4.1	4.3	4.4	4.5	5.7	5.2	90.2	1008.8	2.8	6.4	S
05	2.4	-0.9	5.8	2.2	2.6	3.0	3.8	5.6	5.3	69.3	1001.0	2.7	13.1	N
06	-0.5	-5.6	1.6	0.9	1.4	1.9	2.8	5.1	5.4	51.9	1013.5	5.4	12.3	N
07	-1.2	-6.3	7.9	0.3	0.7	1.1	2.1	4.7	5.3	79.7	1009.9	1.6	4.7	SØ
08	1.3	-2.4	8.2	0.2	0.6	0.9	1.8	4.4	5.3		1005.7	0.9	3.0	Ø
09	-1.4	-3.5	2.8	0.2	0.5	0.8	1.6	4.0	5.1		1004.4	1.4	6.1	N
10	4.8	2.8	6.8	0.8	1.0	1.1	1.6	4.2	5.0		999.0	5.1	7.5	S
11	3.2	-3.6	6.5	2.3	2.4	2.4	2.4	4.5	4.9		987.0	3.3	6.9	S
12	-2.9	-5.2	-0.3	0.5	0.9	1.3	2.0	4.6	4.8		1000.7	1.4	4.0	Ø
13	0.2	-2.1	1.0	0.2	0.5	0.8	1.6	4.6	4.7		982.7	2.5	5.3	SØ
14	1.2	0.0	2.6	0.2	0.5	0.8	1.4	4.0	4.7		970.7	3.2	7.6	NV
15	1.0	-1.3	3.1	0.2	0.5	0.8	1.4	3.9	4.6		987.6	5.8	9.6	NV
16	-2.3	-7.4	1.5	0.1	0.3	0.6	1.2	3.4	4.4		1003.7	2.4	6.1	S
17	2.8	1.5	6.0	0.1	0.3	0.6	1.2	3.4	4.4		995.4	2.1	4.2	S
18	5.5	4.5	6.7	0.1	0.4	0.6	1.2	3.3	4.4		994.2	4.8	10.3	S
19	4.5	-0.8	6.3	0.7	0.8	1.0	1.3	3.4	4.2		990.2	4.6	7.3	SV
20	-1.5	-3.0	1.7	0.2	0.4	0.7	1.3	3.2	4.2	90.3	994.5	1.4	4.4	Ø
21	-2.2	-3.6	-1.5	0.1	0.3	0.6	1.1	3.3	4.1	85.7	982.4	7.2	10.1	N
22	-7.3	-12.9	-3.5	0.0	0.3	0.5	1.0	3.1	4.0	62.0	998.7	3.2	8.2	N
23	-10.9	-15.3	-4.7	-0.1	0.1	0.4	0.8	2.8	3.9	97.7	1005.7	0.9	2.4	Ø
24	4.2	-4.6	6.5	-0.1	0.0	0.3	0.7	2.8	3.9	97.8	994.1	6.0	9.9	S
25	5.0	3.1	6.2	-0.1	0.1	0.3	0.7	2.9	3.8	93.1	986.7	4.7	9.3	S
26	2.7	0.2	6.4	-0.1	0.2	0.3	0.7	2.9	3.7	95.9	984.9	2.5	7.8	SØ
27	4.8	2.5	6.3	0.6	0.6	0.7	0.9	2.8	3.7	95.9	965.0	6.3	8.9	S
28	0.2	-2.4	4.0	0.5	0.7	0.8	1.1	2.8	3.5	85.7	976.6	2.8	5.3	NØ
29	-4.3	-9.5	-1.3	0.1	0.3	0.5	0.9	2.9	3.5	79.4	986.9	2.1	5.6	N
30	-9.7	-11.2	-6.2	-0.4	0.0	0.3	0.7	2.5	3.4	96.0	1004.0	0.8	3.0	NØ
31	-10.5	-13.1	-5.1	-1.3	-0.4	0.0	0.5	2.4	3.4	94.9	1016.1	0.7	2.3	NØ
Mid.	0.3	-2.7	3.2	0.8	1.1	1.3	1.8	3.9	4.5		996.3	3.0	6.6	

Høyeste temperatur: 8.2

Laveste temperatur: -15.3

P.g.a kalibrering er lufttemperaturen tatt fra termgram 9.12 14:00 - 10.12.03 18:00

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	0.21	0.20	0.01	6.1					0.4		0.24		3.6
02	0.13	0.15	0.03	9.9					0.3		0.04		0.2
03	0.30	0.29	0.06	8.0					0.6	0.21	0.02		0.1
04	0.40	0.37	-1.44	6.3					0.9	0.38	-0.27		0.0
05	0.43	0.45	-2.34	6.7					0.7	0.19	-0.82		0.0
06	1.30	0.59	-4.61	4.9					2.2	0.26	-0.98		0.0
07	1.35	0.92	-1.38	4.3					2.5	0.13	-0.85		0.0
08	1.04	0.88	-0.79	4.8					2.0	0.11	-0.67		0.0
09	0.55	0.47	0.18	6.4					1.2	0.21	-0.62		0.0
10	0.50	0.51	-0.08	4.7					1.0	0.23	-0.25		0.4
11	0.38	0.31	-1.19	7.1					0.8	0.29	-0.02		0.5
12	0.87	0.64	-2.36	5.7					1.8	0.23	-0.80		0.3
13	0.15	0.16	-0.05	9.6					0.4	1.05	-0.60		
14	0.48	0.43	-1.13	7.5					1.0	0.59	-0.50		
15	0.92	0.69	-4.03	5.7					1.8	0.48	-0.47		7.5
16	1.07	0.93	-2.01	5.1					2.0	0.33	-0.49		0.0
17	0.31	0.27	-0.54	7.1					0.6	0.45	-0.45		1.2
18	0.95	0.74	-2.06	4.9					1.9	0.09	-0.39		0.0
19	0.95	0.32	-3.63	5.6					1.9	0.25	-0.29		0.0
20	0.73	0.64	-1.90	6.6					1.4		-0.46		
21	0.35	0.34	-1.20	8.3					0.8	0.93	-0.42		
22	0.99	0.40	-3.89	5.9					2.0	0.59	-0.41		0.8
23	1.04	0.72	-1.45	5.3					2.0	0.29	-0.45		0.8
24	0.18	0.14	-1.36	8.8					0.4	0.58	-0.37		
25	0.31	0.31	-2.41	7.0					0.6	0.20	-0.35		
26	0.53	0.51	-1.35	6.7					1.0	0.23	-0.33		
27	0.41	0.38	-0.61	9.7					1.0	0.28	-0.24		
28	0.51	0.44	-1.45	7.8					1.0	0.20	-0.26		
29	0.82	0.61	-2.69	6.3					1.7	0.27	-0.32		37.6
30	1.04	0.50	-1.41	5.3					2.2	0.11	-0.53		0.0
31	1.43	0.55	-0.32	3.8					2.2	0.23	-1.47		0.0
Sum	20.6	14.9	-47.4						40.6		-13.79		53.0
Mid.	0.67	0.48	-1.53	6.5					1.3	0.34	-0.44		

Normal nedbør (1931-60): 72 mm

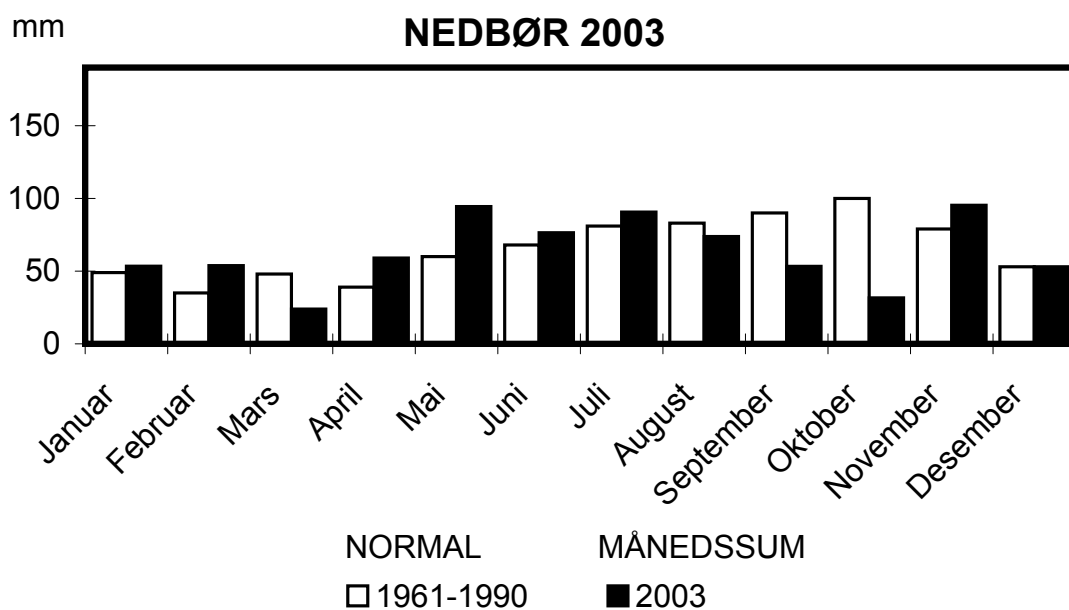
* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Normal nedbør (1961-90): 53 mm

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

METEOROLOGISKE DATA FOR ÅS NORMALER FOR ÅS (perioden 1961-1990)

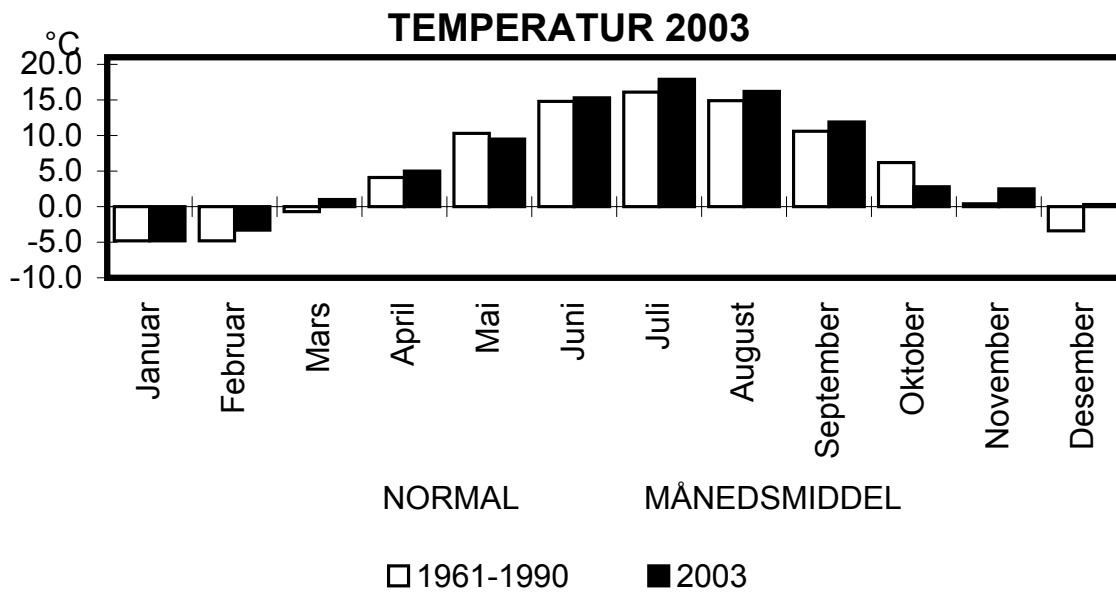
Måned	Nedbør mm	
	1961-1990	2003
Januar	49	53.4
Februar	35	53.8
Mars	48	23.9
April	39	59.0
Mai	60	94.4
Juni	68	76.4
Juli	81	90.6
August	83	73.8
September	90	53.3
Oktober	100	31.6
November	79	95.3
Desember	53	53.0
Året	785	758.5



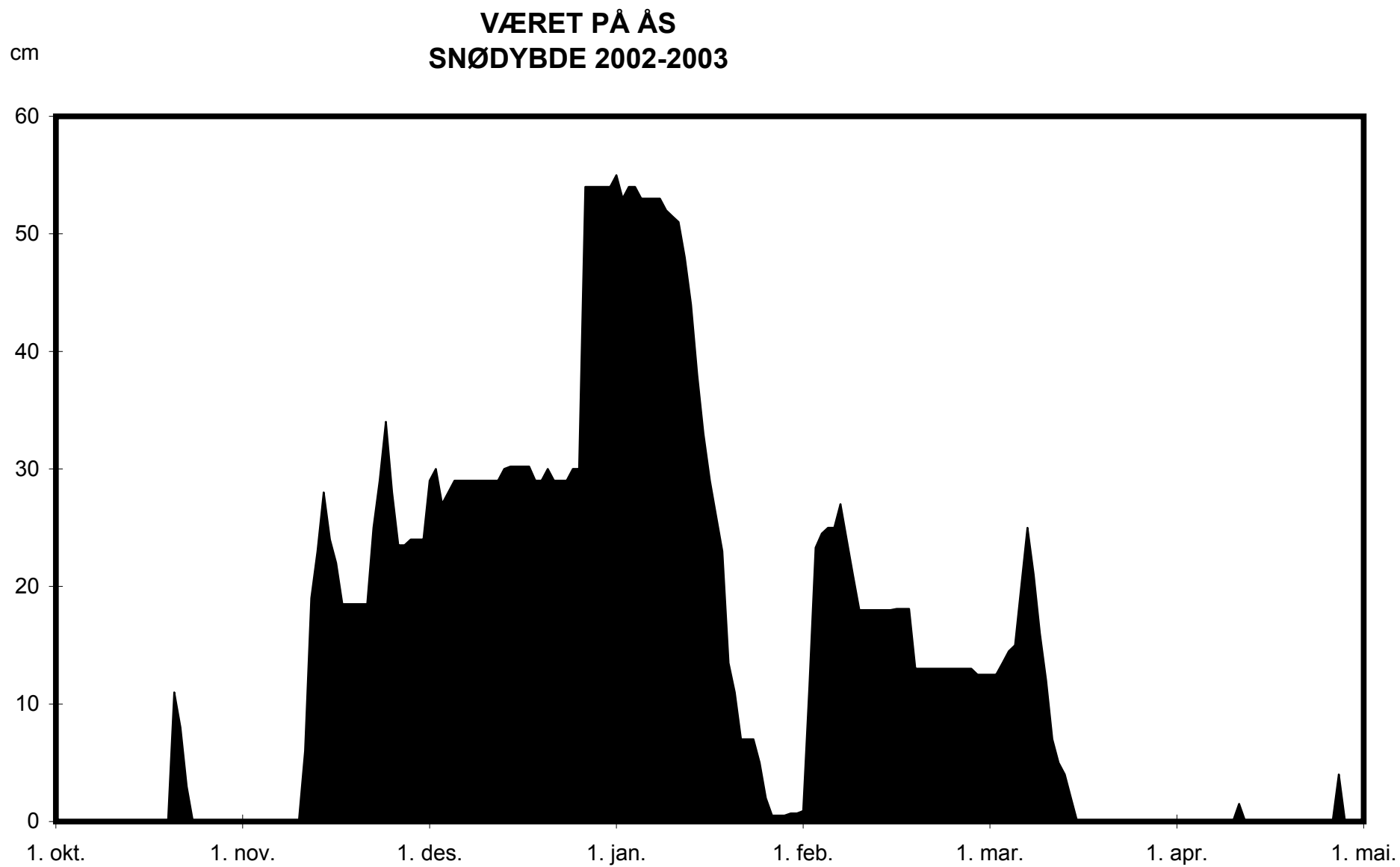
Figur 1.

METEOROLOGISKE DATA FOR ÅS NORMALER FOR ÅS (perioden 1961-1990)

Måned	Temperatur °C	
	1961-1990	2003
Januar	-4.8	-4.8
Februar	-4.8	-3.3
Mars	-0.7	1.0
April	4.1	5.0
Mai	10.3	9.5
Juni	14.8	15.3
Juli	16.1	17.9
August	14.9	16.2
September	10.6	11.9
Oktober	6.2	2.8
November	0.4	2.5
Desember	-3.4	0.3
Året	5.3	6.2



Figur 2.



Figur 3.