

METEOROLOGISKE DATA FOR ÅS 2002

FELTSTASJON FOR AGROKLIMATISKE STUDIER, SØRÅS
INSTITUTT FOR TEKNISKE FAG
NORGES LANDBRUKSHØGSKOLE

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Meteorologiske data for Ås 2002

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VÆRET PÅ ÅS 2002.

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

Både temperatur og nedbør lå over normalen med henholdsvis 0.9 °C og 124 mm. Vintermånedene januar, februar og mars var milde. Februartemperaturen på 0.5 °C er 5.3 °C høyere enn normalen. Siden 1990 har til sammen 4 år hatt februartemperaturen høyere enn 0.0 °C. Dette er samme antall som for hele perioden fra 1925 – 1989. Årets siste tre måneder var imidlertid vesentlig kaldere enn normalt.

Sommeren og forsommeren var preget av mye nedbør. Nedbøren i juli på 181 mm er 100 mm mer enn normalt, og vi må tilbake til 1960 for å finne en våtere juli måned.

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. Middelveidien 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.

Prosentfordelingen for den "blå" og den "grønne" delen av spekteret er slått sammen til et tall. Dette skyldes en usystematisk feil som er oppdaget på et av strålingsinstrumentene.

PAR-stråling (fotosyntetisk aktiv stråling) er angitt i E/m^2 (mol 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 14. viser snødybden.

Meteorologiske data for Ås
Januar 2002

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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	-16.9	2.0	-2.3	-2.0	-1.6	-0.7	1.6	3.1	82.4	996.8	3.3	6.8	S
02	-9.7	-15.0	-0.6	-2.5	-2.0	-1.6	-0.7	1.7	3.1	78.3	1020.6	1.9	10.8	SØ
03	-9.6	-15.6	-6.7	-2.4	-2.1	-1.6	-0.8	1.8	3.0	96.1	1022.7	0.8	1.7	NØ
04	-10.8	-13.9	-8.5	-2.2	-1.8	-1.3	-0.8	1.6	3.0	92.2	1020.0	0.9	2.1	Ø
05	-10.8	-13.9	-8.5	-2.3	-1.9	-1.3	-0.9	1.7	3.0	91.7	1015.1	0.9	2.3	Ø
06	-7.9	-11.6	-3.9	-2.3	-1.9	-1.3	-0.9	1.5	2.9	94.0	1013.0	0.6	1.6	NØ
07	-6.5	-11.7	-3.4	-2.2	-1.9	-1.6	-1.0	1.5	2.8	95.1	1015.3	0.6	1.4	N
08	-6.8	-11.0	-4.0	-2.0	-1.7	-1.4	-0.9	1.3	2.8	94.5	1013.3			SØ
09	-7.8	-11.2	-4.0	-2.2	-1.9	-1.3	-1.0	1.4	2.8	93.3	1017.2			SØ
10	-3.9	-8.6	-2.6	-1.6	-1.5	-1.1	-0.9	1.3	2.7	96.4	1013.0			S
11	-8.4	-11.4	-2.2	-2.1	-1.8	-1.4	-0.9	1.2	2.7	92.1	1009.8			V
12	-0.2	-4.7	2.7	-1.8	-1.6	-1.4	-1.0	1.3	2.6	97.1	1009.1	1.6	4.5	SØ
13	3.4	2.2	4.1	-0.7	-0.8	-0.7	-0.7	1.2	2.5	95.8	1008.9	4.3	6.9	S
14	4.3	3.8	4.6	-0.3	-0.4	-0.4	-0.5	1.3	2.4	94.4	1005.1	3.9	6.9	S
15	3.8	3.6	4.4	-0.2	-0.3	-0.2	-0.4	1.6	2.4	95.1	998.2	4.7	6.5	S
16	3.3	1.9	4.4	-0.2	-0.2	0.0	-0.3	1.6	2.3	92.0	996.7	3.8	7.4	S
17	3.4	1.5	4.8	-0.1	-0.2	0.0	-0.3	1.6	2.3	95.7	996.6	2.5	5.4	S
18	3.0	-2.2	5.7	-0.1	-0.1	0.1	-0.2	1.7	2.3	94.1	992.1	2.7	7.9	S
19	-0.9	-3.2	0.5	-0.1	-0.1	0.2	-0.2	1.7	2.3	95.0	988.6	1.0	3.0	Ø
20	0.7	-0.2	3.0	-0.1	-0.1	0.2	-0.2	1.8	2.2	95.5	982.3	1.4	3.3	SØ
21	0.1	-2.5	2.1	-0.1	-0.1	0.2	-0.2	1.5	2.2	92.7	981.8	1.1	2.7	N
22	0.5	-1.7	3.9	-0.1	-0.1	0.0	-0.1	1.3	2.2	94.8	974.5	1.7	6.0	S
23	-0.9	-4.3	3.7	-0.1	-0.1	0.1	-0.1	1.4	2.2	80.1	975.5	2.8	6.1	N
24	-5.6	-6.2	-4.2	-0.2	-0.1	0.2	-0.1	1.2	2.2	87.6	975.0	4.2	6.5	N
25	-6.3	-12.8	-2.9	-0.3	-0.2	0.2	-0.1	1.2	2.2	69.0	986.6	2.4	6.3	NV
26	-6.3	-10.4	-4.9	-0.4	-0.2	0.1	0.0	1.3	2.1	87.2	983.0	1.8	3.8	NØ
27	-6.6	-13.4	-3.2	-0.4	-0.2	0.1	0.0	1.4	2.2	87.4	982.1	2.1	4.5	N
28	-1.1	-12.4	3.3	-0.4	-0.3	0.0	0.0	1.2	2.3	94.7	971.8	3.0	7.0	S
29	0.2	-4.2	3.3	-0.2	-0.2	-0.1	-0.1	1.3	2.2	60.9	981.5	4.2	11.8	SV
30	-4.3	-10.1	-1.4	-0.3	-0.2	0.0	0.0	1.3	2.1	89.6	994.2	1.1	3.3	NØ
31	-2.1	-2.7	-1.4	-0.3	-0.2	0.1	0.0	1.3	2.1	95.1	987.0	1.6	4.0	NV
Mid.	-3.1	-7.0	-0.3	-1.0	-0.9	-0.5	-0.5	1.4	2.5	90.3	997.7	2.3	5.2	

Høyeste temperatur: 5.7

Laveste temperatur: -16.9

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				
01	0.62	0.49	-1.62	8.2					1.4		-0.60		
02	1.28	0.93	-2.87	4.8		19.3		75.9	2.3	0.67	-0.77		0.1
03	0.70	0.63	-0.03	6.4		39.0		54.6	1.5	0.58	-0.62		0.0
04	0.86	0.64	-0.14	6.4		35.2		58.3	1.7	0.74	-0.57		0.2
05	1.26	0.80	0.37	4.3		31.1		64.6	2.3	0.64	-0.57		
06	1.01	0.55	-0.75	5.8		31.0		63.2	2.0	0.56	-0.54		
07	0.77	0.64	0.00	6.2		43.1		50.7	1.5	0.51	-0.48		0.3
08	0.89	0.69	-0.02	6.2		48.1		45.7	1.9	0.64	-0.41		0.0
09	1.02	0.90	-2.19	5.8		39.5		54.7	2.0	0.61	-0.52		0.4
10	0.89	0.81		6.8		52.0		41.2	2.0	0.69	-0.24		0.2
11	0.96	0.80		6.7		23.9		69.4	2.0	0.58	-0.53		0.3
12	1.16	1.03		5.1		37.7		57.2	2.3	0.56	-0.27		
13	0.36	0.36		5.9		45.8		48.3	0.8	0.15	0.32		
14	0.39	0.39		7.6		44.2		48.1	0.8	0.16	0.32		0.4
15	0.17	0.18	0.13	7.6		65.7		26.7	0.4	0.15	0.27		1.0
16	1.11	0.90	-1.53	6.0		42.7		51.3	2.4	0.22	0.24		3.4
17	0.33	0.40	0.01	6.2		28.8		65.0	0.6	0.11	0.31		1.0
18	1.07	0.78	-0.38	5.5		35.5		59.0	2.2	0.23	0.22		17.1
19	0.46	0.43	0.17	7.1		42.7		50.2	1.0	0.04	0.18		
20	0.79	0.80	0.25	6.6		44.7		48.6	1.7	0.54	0.15		
21	1.39	0.75	-1.47	5.6		34.4		60.0	2.9	0.23	0.12		5.0
22	0.32	0.33	0.09	8.1		44.8		47.1	0.7	0.64	0.10		4.2
23	1.47	1.16	-1.37	6.0		34.2		59.8	2.9	0.20	0.08		8.1
24	0.77	0.75	-0.92	7.8		54.7		37.5	1.8	0.92	0.00		5.9
25	2.55	0.94	-4.53	5.0		21.9		73.1	4.9	0.85	-0.05		5.8
26	1.10	1.07	-0.46	6.5		42.5		51.0	2.3	0.65	-0.12		
27	1.39	1.33	-0.86	7.5		45.9		46.5	3.1	0.93	-0.12		
28	1.34	1.33	-0.21	5.8		51.1		43.1	3.2	0.81	-0.14		7.8
29	2.92	0.80	-4.41	4.9		24.3		70.8	5.8	0.76	0.03		0.6
30	1.60	1.28	-1.04	6.6		36.7		56.6	3.1	0.73	-0.15		0.0
31	1.49	1.49	0.02	7.8		48.6		43.6	3.4	0.76	-0.10		14.5
Sum	32.4	24.4	-24.5						66.8		-4.46		76.3
Mid.	1.05	0.79	-0.94	6.4		41.5		53.3	2.2	0.54	-0.14		

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 2002

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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	-0.1	-2.2	5.2	-0.3	-0.2	0.3	0.0	1.4	2.2	96.3	988.0	2.7	14.1	N
02	5.2	4.3	5.9	-0.2	-0.2	0.6	0.0	1.3	2.1	95.0	988.6	5.0	7.1	S
03	4.9	4.2	5.9	-0.2	-0.1	0.2	-0.1	1.5	2.1	93.4	995.1	3.4	5.4	S
04	3.5	0.3	5.3	-0.1	-0.1	0.2	0.0	1.5	2.1	90.6	984.2	3.1	6.0	S
05	4.1	0.1	6.7	-0.1	-0.1	0.2	0.0	1.3	2.1	92.4	979.3	4.6	7.8	S
06	2.8	1.7	4.4	-0.1	-0.1	0.2	0.0	1.4	2.1	95.8	982.1	1.9	3.9	S
07	0.9	-0.4	2.8	-0.1	-0.1	0.2	0.0	1.2	2.0	92.1	990.0	2.2	5.1	S
08	3.7	2.2	6.2	-0.1	0.0	0.6	0.0	1.4	2.1	83.7	982.8	3.0	5.9	SØ
09	4.5	2.4	6.1	-0.1	0.0	0.5	0.0	1.6	2.1	88.7	969.4	4.1	7.3	S
10	2.2	-1.2	5.1	-0.1	0.0	0.4	0.0	1.9	2.1	74.5	972.3	2.2	4.7	S
11	-1.0	-3.9	0.8	-0.1	0.0	0.1	0.0	1.7	2.0	93.8	970.3	1.7	4.5	Ø
12	-1.8	-5.1	1.3	-0.1	0.0	0.1	0.0	1.6	1.9	88.4	974.9	1.8	5.0	NV
13	-2.6	-7.6	3.0	-0.1	0.0	0.2	0.0	1.4	2.0	75.4	1003.1	2.0	5.1	NV
14	-5.4	-10.1	-1.2	-0.3	-0.1	0.2	0.0	1.4	2.0	85.2	1013.6	1.2	3.5	S
15	2.1	-2.7	4.9	-0.4	-0.2	0.1	0.0	1.4	2.0	69.5	1010.2	3.0	6.3	SV
16	4.1	2.1	6.2	-0.2	-0.2	0.2	0.0	1.4	2.0	76.8	1006.2	4.4	7.6	SV
17	3.9	0.8	6.0	-0.2	-0.1	0.3	0.0	1.7	2.0	86.8	997.4	3.7	9.4	SV
18	2.2	-1.2	5.9	-0.1	-0.1	0.3	0.0	1.8	2.0	77.2	985.5	2.9	8.0	SV
19	-1.0	-6.2	2.2	-0.1	-0.1	0.4	0.0	1.7	2.0	51.1	982.6	2.6	6.6	NV
20	-6.4	-10.9	-2.4	-1.1	-0.5	0.7	0.0	1.4	2.0	66.3	985.5	1.8	3.8	N
21	-3.6	-10.7	1.9	-1.6	-1.1	0.3	0.0	1.7	1.9	66.4	991.9	3.6	9.7	S
22	0.8	0.0	1.8	-0.4	-0.4	-0.2	0.0	1.8	2.0	92.3	958.0	6.1	12.1	S
23	0.2	-3.7	3.6	-0.2	-0.2	0.1	0.0	1.6	1.9	74.4	960.4	1.8	4.7	NV
24	-2.1	-7.9	1.0	-0.5	-0.3	-0.1	0.0	1.5	1.9	51.7	976.3	3.1	7.4	V
25	-3.4	-11.3	3.3	-1.0	-0.7	-0.3	0.0	1.3	1.9	73.3	981.4	2.2	3.9	S
26	-1.5	-2.3	-0.7	-0.8	-0.6	-0.2	0.0	1.4	2.0	89.3	971.3	3.0	4.6	NØ
27	-0.7	-1.5	1.0	-0.6	-0.4	-0.1	0.0	1.4	2.0	85.5	967.2	2.0	5.3	N
28	-1.7	-3.4	-0.6	-0.5	-0.3	0.2	0.0	1.4	2.0	82.5	976.1	3.1	5.6	N
Mid.	0.5	-2.7	3.3	-0.3	-0.2	0.2	0.0	1.5	2.0	81.7	983.7	2.9	6.4	

Høyeste temperatur: 6.7

Laveste temperatur: -11.3

Normal temperatur (1931-1960): -4.6

Normal temperatur (1961-1990): -4.8

DATO	STRÅLING									Jord- varmeflux (MJ/m2)	Fordamp- ning (mm)	Nedbør (mm) **
	MJ/m2			* %								
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød				
01	1.19	0.98	-0.11	8.1		48.8		43.2	2.8	0.87	-0.06	
02	0.54	0.53	0.76	8.6		55.7		35.8	1.4	0.75	0.03	
03	0.65	0.66	0.24	7.0		48.2		44.8	1.4	0.12	0.04	
04	0.58	0.57	-0.83	6.7		51.2		42.1	1.3	0.15	0.05	17.7
05	1.88	1.74	0.52	5.0		38.1		56.9	3.6	0.19	0.06	0.1
06	0.95	0.97	0.31	6.8		43.3		50.0	1.9	0.15	0.08	1.9
07	1.26	1.24	0.52	6.7		44.4		48.9	2.6	0.17	0.08	1.9
08	2.44	1.67	-0.66	5.2		36.3		58.5	5.0	0.26	0.10	1.2
09	0.80	0.81	0.16	7.5		47.5		45.0	1.7	0.18	0.47	
10	3.35	1.53	-2.50	5.2		28.4		66.3	6.7	0.19	0.04	
11	1.25	1.09	-1.04	6.6		46.3		47.0	2.8	0.28	0.02	5.0
12	4.72	2.21	-2.00	4.6		34.3		61.1	9.0	0.56	0.07	5.1
13	4.97	1.25	-3.90	4.7		26.9		68.3	9.8	0.68	-0.01	0.3
14	3.88	2.85	-2.32	4.7		38.5		56.8	7.1	0.55	-0.15	0.0
15	3.57	2.32	-2.21	5.6		33.5		60.9	7.3	0.62	-0.32	0.0
16	4.15	3.16	-1.18	4.8		38.0		57.2	8.5	0.36	-0.10	
17	2.37	2.29	-0.52	5.6		42.5		51.9	4.9	0.19	-0.02	
18	5.18	2.09	-0.08	4.5		32.0		63.4	10.3	0.22	0.00	2.0
19	5.32	2.26	-2.42	4.4		29.6		66.0	10.2	0.26	-0.03	0.0
20	4.19	3.12	-3.02	5.4		34.3		60.3	8.2	0.23	-1.27	0.0
21	5.70	2.27	-1.24	4.3		28.4		67.3	10.9	0.24	-1.31	0.0
22	0.88	0.83	-0.05	7.9		49.4		42.7	2.2	0.54	0.07	5.6
23	6.33	1.83	-1.50	5.0		32.7		62.3	12.8	0.70	0.08	
24	6.99	1.81	-3.60	4.7		31.1		64.3	13.7	0.73	-0.31	
25	7.20	1.38	-3.96	4.7		31.1		64.3	14.4	0.68	-0.76	11.0
26	2.29	2.24	-0.31	7.0		48.3		44.7	5.2	0.74	-0.36	0.8
27	3.42	3.24	-0.07	6.4		46.1		47.5	7.5	0.73	-0.19	0.0
28	5.60	4.76	-0.80	5.9		41.6		52.4	11.9	0.79	-0.14	2.5
Sum	91.7	51.7	-31.8						184.7		-3.81	59.6
Mid.	3.27	1.85	-1.14	5.8		39.5		54.6	6.6	0.43	-0.14	

Normal nedbør (1931-60): 34 mm

Normal nedbør (1961-90): 35 mm

* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Meteorologiske data for Ås
Mars 2002

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	-3.4	-11.4	3.8	-0.7	-0.5	0.0	0.0	1.3	1.9	67.0	991.2	1.8	3.9	NV
02	-2.3	-5.9	0.0	-0.9	-0.6	-0.1	1.5	1.9	1.9	61.2	987.2	4.5	11.3	N
03	-3.3	-9.7	3.3	-1.3	-0.9	-0.1	1.5	2.0	2.0	75.1	988.4	2.8	6.6	S
04	3.1	-4.4	7.1	-1.0	-0.8	-0.2	1.7	2.0	1.9	78.1	986.8	5.1	9.9	S
05	3.6	0.5	6.3	-0.3	-0.3	-0.1	1.5	1.9	1.9	70.6	981.6	5.3	10.3	S
06	1.3	-1.2	3.4	-0.2	-0.2	-0.1	1.2	1.9	1.9	95.2	964.6	2.2	4.6	NV
07	0.3	-3.5	4.7	-0.2	-0.2	-0.1	1.3	1.9	1.9	68.3	976.1	2.4	5.7	V
08	2.8	0.0	4.7	-0.4	-0.2	0.0	1.4	1.9	1.9	65.5	993.9	4.4	10.4	S
09	4.5	1.9	6.8	-0.2	-0.1	0.0	1.6	1.9	1.9	63.2	975.2	5.7	11.2	S
10	2.4	-2.4	5.9	-0.2	-0.1	0.0	1.4	1.9	1.9	60.3	985.9	2.8	6.8	V
11	3.0	-0.4	7.3	-0.1	-0.1	0.0	1.4	1.9	1.9	80.7	987.6	4.6	8.9	S
12	4.2	1.5	7.9	-0.1	-0.1	0.0	1.5	1.9	1.9	80.9	993.8	4.9	7.5	S
13	1.4	-3.4	3.9	-0.1	-0.1	0.0	1.4	1.9	1.9	72.1	1002.6	3.4	7.1	N
14	-1.7	-7.5	5.6	-0.1	-0.1	0.0	1.4	1.8	1.8	69.2	1017.3	0.8	2.1	NØ
15	-0.9	-7.8	7.0	-0.2	-0.1	0.0	1.3	1.8	1.8	68.6	1019.0	1.2	3.3	NØ
16	-0.4	-4.6	1.4	-0.3	-0.2	0.0	1.3	1.9	1.9	74.5	1013.4	1.6	3.1	Ø
17	0.7	-0.9	2.0	-0.2	-0.1	0.0	1.3	1.9	1.9	95.2	1002.9	1.4	2.8	N
18	2.5	1.1	4.6	-0.1	-0.1	0.0	1.4	1.9	1.9	95.4	988.0	2.6	4.9	S
19	4.0	1.6	5.6	-0.1	-0.1	0.0	1.2	1.8	1.8	95.1	973.9	1.8	3.7	NV
20	2.6	0.2	6.0	-0.1	0.0	0.0	1.3	1.8	1.8	64.7	982.2	4.3	8.0	NV
21	2.9	-1.2	6.4	-0.1	0.0	0.0	1.4	1.8	1.8	55.5	993.0	3.1	6.4	N
22	3.3	0.0	7.5	0.0	0.0	0.0	1.4	1.8	1.8	64.5	1006.7	3.3	5.3	N
23	1.8	-4.0	4.9	0.1	0.0	0.0	1.3	1.8	1.8	68.1	1023.4	3.3	6.0	N
24	-0.6	-6.7	5.5	-0.1	0.0	0.0	1.2	1.8	1.8	74.9	1025.8	1.6	3.8	SV
25	2.0	-1.4	4.7	0.0	0.0	0.0	1.3	1.8	1.8	84.3	1016.7	4.1	6.4	S
26	4.7	1.2	11.5	0.9	0.0	0.0	1.5	1.7	1.7	83.7	1014.0	2.3	5.0	S
27	3.0	1.1	6.1	1.1	0.4	0.0	1.5	1.8	1.8	89.9	1015.8	4.1	7.5	S
28	5.9	0.4	12.4	1.8	1.1	0.2	1.4	1.8	1.8	71.4	1011.7	3.2	6.5	S
29	4.7	0.1	10.4	2.2	1.7	0.8	1.4	1.8	1.8	79.0	1011.1	2.7	5.7	S
30	2.8	-0.8	8.8	3.2	2.8	1.9	1.7	1.8	1.8	87.0	1007.2	1.4	3.8	NØ
31	2.8	1.0	7.6	3.7	3.3	2.4	2.0	1.9	1.9	89.2	1002.8	1.9	3.8	S
Mid.	1.9	-2.1	5.9	0.2	0.1	0.2	1.4	1.8	1.8	75.8	998.1	3.1	6.2	

Høyeste temperatur: 12.4

Laveste temperatur: -11.4

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			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par	Albedo			
01	7.73	2.00	-2.28	4.8		29.1	4.2	61.9	15.4	0.76	-0.38		0.0
02	5.29	3.92	-2.58	5.7		32.8	6.2	55.3	10.9	0.78	-0.51		
03	6.44	3.63	-2.16	5.1		31.2	7.2	56.5	13.4	0.77	-0.74		
04	6.21	3.92	-2.33	5.2		33.7	7.4	53.6	13.2	0.63	-0.27		0.2
05	7.01	4.23	0.67	4.6		30.8	4.9	59.7	14.3	0.24	0.11		0.0
06	1.97	1.91	0.90	6.6		40.5	7.4	45.5	4.6	0.15	0.12		0.1
07	8.84	2.54	0.13	4.6		29.5	4.8	61.2	17.8	0.37	0.08		4.2
08	6.31	4.37	1.52	4.8		31.3	5.5	58.4	13.1	0.16	-0.17		0.0
09	9.23	2.87	3.42	4.4		30.6	5.1	59.9	18.7	0.23	0.10		
10	9.59	2.23	2.63	4.3		28.9	4.5	62.3	19.3	0.21	0.08		
11	9.24	2.97	1.80	4.5		30.8	5.1	59.6	19.0	0.34	0.08		4.9
12	8.51	5.70	2.19	4.5		31.4	6.1	58.0	17.3	0.20	0.09		0.0
13	7.26	3.71	1.53	4.9		31.3	6.8	57.1	15.0	0.24	0.17		0.0
14	11.00	1.61	1.40	4.1		27.7	5.2	62.9	22.2	0.20	0.04		0.0
15	11.07	1.85	2.45	4.1		28.3	5.6	62.1	22.6	0.22	-0.05		0.0
16	3.24	3.15	0.51	6.0		36.5	8.0	49.5	6.9	0.09	-0.11		
17	2.80	2.71	1.68	6.2		38.3	8.9	46.6	6.2	0.22	-0.03		
18	2.13	2.06	1.53	6.5		39.4	9.6	44.5	4.9	0.18	0.03		1.2
19	2.04	2.00	1.49	6.6		41.1	8.8	43.5	4.8	0.13	0.22		10.9
20	6.20	5.50	0.63	5.6		35.9	7.7	50.9	13.4	0.58	0.10		9.3
21	8.34	4.96	2.71	4.7		31.0	5.7	58.6	17.3	0.19	0.08		0.0
22	10.97	3.91	3.66	4.4		30.7	6.0	58.9	22.5	0.21	0.48		0.0
23	11.86	3.95	4.02	4.2		29.5	6.2	60.1	24.0	0.23	0.38		0.0
24	12.66	3.86	3.00	4.3		29.6	6.2	60.0	25.8	0.20	0.04		0.0
25	7.68	6.68	2.98	5.0		34.0	8.2	52.8	16.3	0.20	0.15		0.0
26	9.44	5.41	4.26	4.5		32.7	7.9	54.8	20.1	0.22	1.38		0.6
27	7.96	6.28	3.50	5.2		34.5	8.2	52.1	16.9	0.21	0.92		0.0
28	13.52	4.54	4.93	4.1		31.3	6.7	57.9	28.2	0.23	1.01		0.0
29	14.16	3.14	5.48	4.1		30.0	6.1	59.8	28.8	0.21	0.75		0.0
30	8.51	4.89	3.92	4.6		31.5	7.9	55.9	17.5	0.23	0.65		0.0
31	8.30	5.93	4.22	4.8		32.5	7.7	55.1	17.1	0.21	0.64		0.0
Sum	245.5	116.4	57.8						507.4		5.42		31.4
Mid.	7.92	3.76	1.86	4.9		32.5	6.6	56.0	16.4	0.29	0.17		

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 2002

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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	4.3	0.7	8.7	4.5	4.0		3.0	2.4	2.0	90.2	1005.5	1.1	2.0	NØ
02	7.3	5.1	9.7	5.4	4.9		3.7	2.8	2.1	98.9	1012.0	1.2	2.8	N
03	6.5	1.4	10.1	5.6	5.3		4.3	3.3	2.3	92.9	1016.1	0.6	2.1	N
04	6.8	0.4	13.8	6.1	5.5		4.4	3.6	2.4	84.0	1013.1	2.0	4.4	N
05	3.5	-2.2	6.8	5.4	5.4		4.9	4.0	2.6	75.5	1015.9	2.1	4.4	NØ
06	5.1	-4.0	13.0	4.2	4.2		4.1	4.2	2.8	72.1	1011.5	1.7	5.4	N
07	6.6	0.5	11.1	5.2	5.0		4.4	4.2	3.0	70.4	1013.7	2.0	4.7	N
08	4.7	0.1	9.0	5.0	4.9		4.5	4.2	3.1	82.6	1015.3	2.0	4.8	SØ
09	4.8	-0.6	9.1	5.8	5.5		4.7	4.4	3.2	77.3	1016.2	2.2	4.5	S
10	3.7	-3.6	10.7	4.5	4.5		4.5	4.4	3.3	70.9	1015.2	3.0	6.5	S
11	4.9	-1.6	11.2	4.7	4.7		4.4	4.5	3.5	66.8	1007.1	2.7	7.1	S
12	4.5	2.2	7.9	5.0	5.0		4.6	4.6	3.6	82.9	997.4	2.1	4.4	NØ
13	5.8	3.9	7.6	5.1	5.1		4.7	4.7	3.6	84.5	996.1	3.5	5.1	N
14	5.8	4.6	8.1	5.3	5.2		4.8	4.9	3.6	80.7	1001.5	2.9	4.9	N
15	6.5	3.3	10.6	6.3	6.0		5.1	4.8	3.8	60.0	1007.0	2.8	4.9	NØ
16	5.9	-0.3	10.9	6.3	6.2		5.5	5.0	3.9	53.9	1009.6	2.5	5.1	NØ
17	5.6	1.3	10.7	7.1	6.8		5.9	5.2	4.0	67.2	1010.2	2.2	4.5	NØ
18	5.2	-1.8	10.3	6.8	6.6		6.0	5.4	4.0	71.3	1008.8	1.4	3.8	N
19	7.3	3.4	12.6	7.9	7.5		6.5	5.6	4.1	74.2	1010.2	2.4	5.0	SØ
20	6.7	3.8	12.9	8.5	8.0		6.9	5.9	4.2	82.9	1018.1	2.3	4.5	S
21	7.2	3.9	13.5	8.7	8.3		7.3	6.2	4.5	81.9	1021.3	3.9	6.9	S
22	7.3	5.1	9.1	7.5	7.5		7.2	6.4	4.7	92.6	1012.1	4.8	7.7	S
23	10.5	5.5	17.2	9.0	8.5		7.3	6.5	4.8	65.9	1004.2	3.5	7.0	S
24	11.0	2.1	18.9	9.7	9.1		7.8	6.7	4.8	66.6	1007.6	2.0	5.7	NØ
25	6.8	3.7	8.3	8.3	8.4	8.4	8.0	7.1	4.9	95.3	1002.2	2.2	4.5	S
26	7.0	5.5	9.1	8.3	8.2	8.2	7.7	7.3	5.1	85.0	990.0	2.5	6.4	S
27	6.2	4.1	7.8	7.9	7.9	7.9	7.5	7.3	5.2	91.3	980.4	2.3	4.1	SØ
28	6.2	2.4	9.6	8.3	8.0	8.0	7.4	7.2	5.3	66.8	984.1	4.2	9.7	SV
29	5.7	4.7	7.2	7.3	7.4	7.5	7.4	7.2	5.4	90.7	984.3	3.7	5.9	Ø
30	6.6	4.4	9.7	7.8	7.6	7.5	7.1	7.2	5.5	85.8	988.0	3.8	8.2	S
Mid.	6.2	1.9	10.5	6.6	6.4		5.7	5.2	3.9	78.7	1005.8	2.5	5.2	

Høyeste temperatur: 18.9

Laveste temperatur: -4.0

Normal temperatur (1931-1960): 4.3

Normal temperatur (1961-1990): 4.1

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	5.52	5.03	3.25	5.4		36.7	8.5	49.5	11.8	0.19	0.69		
02	3.30	3.11	1.95	6.3		40.9	9.2	43.7	7.7	0.18	0.78		1.1
03	4.81	4.32	1.93	5.4		36.5	8.7	49.4	10.3	0.21	0.54		0.4
04	10.18	5.81	5.69	4.6		34.8	7.3	53.3	21.4	0.17	0.86		0.0
05	7.96	4.54	2.65	4.9		32.4	7.9	54.8	16.4	0.25	0.02		0.0
06	11.63	8.22	4.71	4.5		33.2	7.2	55.1	24.0	0.22	0.13		0.0
07	11.16	7.27	4.68	4.7		33.6	6.9	54.8	23.2	0.21	0.42		0.0
08	6.73	6.05	2.82	5.2		34.9	8.5	51.5	14.2	0.21	0.16		0.0
09	13.16	7.86	5.38	4.3		31.5	7.2	57.0	26.7	0.24	0.47		0.0
10	15.39	7.15	6.76	4.2		31.0	6.6	58.2	31.0	0.24	-0.06		0.0
11	16.72	3.74	7.20	4.1		30.7	6.7	58.5	34.0	0.23	0.17		0.0
12	5.06	4.56	2.70	5.4		37.2	8.3	49.1	11.0	0.20	0.16		0.0
13	3.16	2.87	1.66	6.2		39.1	8.9	45.8	7.1	0.19	0.20		
14	3.79	3.44	2.16	6.0		38.7	9.0	46.4	8.5	0.19	0.25		
15	14.40	9.75	7.38	4.6		33.7	7.8	53.9	30.1	0.22	0.61		5.4
16	15.74	8.25	7.59	4.4		32.4	7.2	55.9	32.7	0.21	0.40		0.0
17	15.72	9.21	8.00	4.4		32.8	7.2	55.6	32.9	0.22	0.58		0.0
18	13.20	9.28	6.35	4.6		32.8	7.7	54.9	27.6	0.20	0.36		0.0
19	17.71	5.72	8.09	4.2		32.3	6.8	56.7	36.9	0.23	0.69		0.0
20	14.35	5.75	7.12	4.4		33.0	7.8	54.7	30.1	0.23	0.72		0.0
21	16.45	5.47	8.10	4.4		32.8	7.5	55.3	34.3	0.23	0.58		0.0
22	3.42	3.19	1.66	6.4		38.5	9.0	46.1	8.0	0.20	0.07		0.0
23	14.68	7.04	7.81	4.5		34.9	7.9	52.7	31.1	0.21	0.78		0.8
24	19.77	3.70	9.76	4.2		33.6	7.8	54.4	42.5	0.21	0.89		0.0
25	3.41	3.09	1.60	6.4		37.9	9.6	46.1	7.6	0.20	-0.05		0.1
26	6.60	5.26	3.50	5.6		36.3	8.5	49.6	14.2	0.23	0.14		0.2
27	4.52	4.09	2.25	6.7		40.8	9.2	43.2	10.7	0.20	0.13		
28	20.30	5.98	10.74	4.7		32.6	7.6	55.1	42.2	0.23	0.20		
29	4.34	3.71	1.54	6.2		37.7	9.3	46.9	9.8	0.22	-0.15		10.1
30	9.69	7.70	5.30	5.4		35.7	8.8	50.1	20.9	0.22	0.23		18.2
Sum	312.8	171.2	150.3						658.8		11.01		36.3
Mid.	10.43	5.71	5.01	5.1		35.0	8.0	51.9	22.0	0.21	0.37		

Normal nedbør (1931-60): 48 mm

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

Normal nedbør (1961-90): 39 mm

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

Meteorologiske data for Ås
Mai 2002

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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	7.8	6.7	9.5	8.0	7.9	7.9	7.4	7.3	5.6	91.4	988.0	5.6	8.4	SØ
02	8.3	4.9	11.9	9.4	8.9	8.7	7.8	7.4	5.8	79.9	998.0	3.6	6.4	S
03	6.8	2.5	12.2	8.4	8.4	8.4	8.0	7.6	5.9	85.1	1002.3	1.4	3.2	N
04	9.1	0.7	14.9	8.8	8.5	8.4	7.8	7.6	6.0	67.1	1005.7	1.6	4.2	N
05	11.3	2.4	17.0	9.8	9.3	9.1	8.3	7.6	6.0	60.0	1012.2	3.0	6.3	NØ
06	11.7	3.1	18.3	10.9	10.3	10.0	9.0	7.9	6.1	56.0	1019.2	1.4	4.1	N
07	13.3	4.6	20.2	11.9	11.2	10.9	9.7	8.3	6.2	57.0	1016.9	1.5	3.7	SØ
08	12.1	3.5	17.5	11.3	11.0	10.8	10.0	8.5	6.3	62.0	1012.0	1.6	3.9	SV
09	13.5	8.8	17.9	11.8	11.4	11.2	10.2	8.8	6.5	64.3	1012.0	2.6	4.7	NØ
10	14.0	9.8	18.9	12.4	12.0	11.7	10.6	9.0	6.7	51.5	1010.0	2.4	4.5	Ø
11	14.7	4.0	21.5	12.3	11.9	11.6	10.7	9.3	6.7	61.1	1002.4	2.6	5.4	SØ
12	13.5	10.5	16.8	12.8	12.4	12.2	11.2	9.6	6.8	86.9	996.9	2.6	5.2	S
13	11.4	6.3	16.7	12.4	12.1	11.9	11.1	9.8	7.0	64.1	1001.8	2.5	5.0	NV
14	11.4	4.2	20.0	12.4	12.0	11.8	11.0	9.9	7.2	78.7	1000.3	2.6	7.9	S
15	12.0	7.9	15.7	12.3	12.1	12.0	11.3	10.1	7.3	77.9	1000.2	3.8	7.5	S
16	12.4	6.2	17.0	11.9	11.6	11.6	11.1	10.1	7.5	57.6	998.4	2.7	5.4	V
17	12.9	5.1	17.1	12.0	11.8	11.7	11.0	10.1	7.6	51.1	1001.5	3.3	7.3	N
18	10.9	2.0	19.4	11.9	11.6	11.5	10.9	10.2	7.7	58.7	1004.6	1.7	4.4	NØ
19	12.4	4.9	17.5	12.2	11.9	11.8	11.1	10.3	7.9	53.4	1006.4	2.7	5.5	Ø
20	11.5	10.1	14.2	11.8	11.7	11.7	11.2	10.4	8.0	87.1	1006.6	2.7	5.8	S
21	13.9	8.0	19.1	13.3	12.8	12.5	11.4	10.4	8.1	66.6	1004.3	2.5	5.3	S
22	15.7	5.2	22.0	13.0	12.6	12.4	11.7	10.6	8.2	59.4	999.5	2.5	5.9	SØ
23	17.5	13.5	22.1	14.4	13.8	13.4	12.2	10.8	8.3	64.2	996.0	2.4	7.1	SØ
24	12.9	10.8	14.4	13.6	13.3	13.3	12.5	11.2	8.3	92.5	993.2	2.7	5.3	S
25	11.7	8.1	15.6	13.1	12.8	12.8	12.1	11.3	8.5	86.5	994.9	3.7	6.8	SØ
26	12.1	6.4	16.9	14.0	13.3	13.0	12.1	11.3	8.6	76.1	1002.4	2.0	4.3	SØ
27	10.7	9.4	12.9	12.1	12.2	12.4	12.1	11.3	8.6	91.4	1001.0	2.4	4.4	NØ
28	10.9	9.8	11.7	11.9	11.9	12.0	11.6	11.2	8.8	94.0	1002.2	2.1	3.0	NØ
29	12.5	9.1	16.9	13.1	12.6	12.4	11.7	11.2	8.9	81.8	1003.2	1.6	3.6	N
30	12.5	9.6	15.7	13.6	13.3	13.1	12.2	11.3	8.9	82.1	1002.7	3.9	7.4	S
31	11.6	7.8	15.5	13.8	13.3	13.1	12.3	11.4	9.0	80.4	1005.4	2.7	5.0	S
Mid.	12.0	6.6	16.7	12.0	11.6	11.5	10.7	9.7	7.4	71.8	1003.2	2.6	5.4	

Høyeste temperatur: 22.1

Laveste temperatur: 0.7

Normal temperatur (1931-1960): 10.2

Normal temperatur (1961-1990): 10.3

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	5.96	4.88	3.32	5.8		37.5	8.5	48.2	13.3	0.22	0.21		26.3
02	17.35	6.61	9.14	4.7		33.5	9.2	52.6	36.5	0.24	0.61		1.3
03	7.37	6.19	2.98	5.6		36.9	9.4	48.1	16.4	0.22	0.06		0.6
04	16.98	8.78	8.84	4.6		34.0	7.7	53.6	35.9	0.22	0.42		0.0
05	22.21	5.80	11.43	4.3		32.8	8.9	54.0	46.7	0.22	0.66		0.0
06	21.44	7.23	10.07	4.3		33.0	7.8	54.9	45.0	0.23	0.85		0.0
07	23.18	2.99	11.68	4.3		32.9	9.5	53.4	49.8	0.24	1.09		0.0
08	15.68	9.36	7.48	4.8		34.1	7.7	53.4	33.4	0.21	0.42		0.0
09	16.92	8.13	9.50	4.7		34.3	9.8	51.2	36.5	0.23	0.66		0.0
10	22.02	7.01	11.55	4.5		33.0	9.5	52.9	47.0	0.25	0.71		0.0
11	21.43	7.72	11.06	4.4		33.2	8.9	53.6	45.7	0.24	0.67		0.0
12	8.95	7.10	4.73	5.3		35.4	8.2	51.1	19.7	0.24	0.55		1.4
13	24.15	3.72	11.50	4.6		32.5	9.1	53.8	50.9	0.24	0.57		0.0
14	21.25	5.61	11.75	4.5		33.9	9.2	52.4	45.4	0.21	0.59		0.5
15	16.73	10.51	8.91	5.1		34.3	9.8	50.8	35.9	0.24	0.39		0.5
16	20.27	7.42	9.99	4.6		33.2	8.3	53.8	43.2	0.25	0.24		0.0
17	23.51	4.63	12.03	4.6		31.8	9.7	53.9	49.9	0.25	0.19		0.0
18	26.02	3.05	12.58	4.4		31.6	9.7	54.3	55.0	0.24	0.36		0.0
19	23.09	9.52	11.32	4.5		32.8	8.9	53.8	49.0	0.24	0.40		0.0
20	7.35	5.55	3.61	5.7		36.0	9.7	48.6	16.3	0.25	0.20		1.0
21	21.74	6.31	12.15	4.7		33.4	10.6	51.3	47.0	0.24	0.72		0.0
22	18.63	10.69	9.98	4.7		34.2	8.7	52.4	40.0	0.23	0.44	2.9	0.0
23	17.41	10.00	9.78	4.8		35.7	8.3	51.2	37.8	0.23	0.78	2.4	0.0
24	5.50	4.86	2.50	6.8		41.5	8.4	43.3	13.0	0.21	0.32	0.9	3.3
25	12.20	9.77	6.38	5.7		36.4	8.5	49.4	26.7	0.23	0.32	1.6	3.6
26	19.95	9.19	10.35	5.0		33.7	9.3	51.9	42.9	0.23	0.63	2.5	0.9
27	3.03	2.70	1.32	7.7		43.2	8.6	40.6	7.5	0.16	-0.09	0.5	9.5
28	1.89	1.68	0.88	8.2		46.6	11.2	33.9	5.0	0.18	0.04	2.0	36.2
29	9.37	8.15	5.18	6.0		38.7	8.6	46.6	20.9	0.21	0.54	2.3	1.5
30	14.06	10.08	7.58	5.6		35.1	9.1	50.2	30.5	0.23	0.59	2.5	2.6
31	18.28	9.47	9.04	4.9		33.0	8.7	53.4	38.9	0.24	0.63	2.1	3.7
Sum	503.9	214.7	258.6						1081.7		14.80		92.9
Mid.	16.26	6.93	8.34	5.1		35.1	9.0	50.7	34.9	0.23	0.48		

Normal nedbør (1931-60): 49 mm

Normal nedbør (1961-90): 60 mm

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

Meteorologiske data for Ås
Juni 2002

7

DATO	Hytte			TEMPERATURER (°C)						FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		
	Mid	Min	Max	2	5	Jord(cm)		50	100			Mid (m/s)	Max (m/s)	Retn.
01	13.8	5.0	20.8	15.7	14.8	14.2	12.9	11.6	9.1	69.4	1010.0	1.7	4.3	NØ
02	14.7	7.1	20.3	15.9	15.3	15.0	13.8	11.9	9.2	67.8	1011.5	3.0	6.6	S
03	15.7	8.2	22.3	16.4	15.7	15.3	14.0	12.4	9.3	66.4	1007.1	2.4	5.1	SV
04	18.0	8.9	24.4	17.1	16.4	16.0	14.6	12.6	9.4	57.5	1002.9	2.1	5.5	Ø
05	19.6	14.4	24.1	17.2	16.6	16.2	15.0	12.9	9.6	54.2	1005.3	2.7	6.4	Ø
06	19.3	10.5	24.7	17.8	17.1	16.6	15.3	13.1	9.8	57.9	1007.1	2.0	4.4	Ø
07	18.3	9.8	24.8	18.2	17.4	17.0	15.6	13.5	9.9	61.6	1004.7	1.7	4.4	Ø
08	18.5	8.3	25.6	18.3	17.5	17.1	15.8	13.7	10.1	63.0	1002.4	1.6	6.9	NØ
09	19.0	10.8	23.9	18.5	17.8	17.5	16.2	13.9	10.3	63.7	999.8	1.8	5.1	SV
10	16.1	11.1	21.1	17.5	17.1	17.0	16.1	14.2	10.5	82.5	997.9	2.0	5.4	Ø
11	13.9	10.9	16.0	16.0	16.0	16.0	15.6	14.2	10.7	91.2	995.9	2.4	5.8	S
12	13.5	10.3	16.4	16.0	15.7	15.6	15.1	14.1	10.8	73.3	997.5			
13	12.4	8.5	16.7	15.9	15.7	15.6	15.0	14.1	11.0	80.2	993.6	2.1	5.3	SØ
14	15.4	7.1	21.7	16.5	16.1	15.9	15.1	14.1	11.1	66.4	994.9	2.7	4.5	NV
15	13.0	10.4	16.0	15.4	15.4	15.5	15.1	14.2	11.1	89.0	994.9	2.1	4.6	Ø
16	17.1	8.7	22.7	16.9	16.3	16.0	15.0	14.1	11.2	62.1	994.6	2.7	5.7	V
17	15.1	10.9	17.4	16.0	15.8	15.8	15.3	14.1	11.3	81.7	1001.1	2.6	5.8	S
18	17.4	14.5	20.5	17.1	16.6	16.3	15.4	14.1	11.3	89.1	1000.4	3.7	7.9	S
19	15.8	10.5	19.5	16.9	16.6	16.5	15.7	14.3	11.4	68.6	1002.6	4.1	8.6	S
20	15.1	10.0	19.1	16.3	16.1	16.0	15.5	14.4	11.4	67.8	1007.1	3.2	6.3	S
21	15.3	9.6	20.6	17.2	16.8	16.6	15.7	14.4	11.5	71.5	1001.4	1.7	4.0	SØ
22	13.8	8.1	17.9	16.0	16.0	16.0	15.6	14.5	11.6	78.0	1000.8	2.8	7.1	S
23	13.5	10.5	16.5	15.5	15.4	15.5	15.3	14.4	11.6	89.4	990.9			
24	16.3	10.2	21.7	16.8	16.3	16.0	15.2	14.4	11.6	66.8	998.8	2.2	4.1	NV
25	14.8	10.5	18.8	16.2	16.1	16.1	15.6	14.5	11.7	63.0	1001.5	3.0	6.2	SV
26	12.1	8.8	14.5	14.4	14.6	14.8	14.9	14.5	11.8	84.1	997.5	3.5	5.5	S
27	12.5	6.9	16.8	15.2	15.0	15.0	14.6	14.3	11.9	77.9	988.6	2.4	5.3	S
28	11.8	4.1	17.1	14.2	14.2	14.3	14.3	14.2	11.9	84.3	988.5	2.1	5.4	NV
29	15.4	10.5	20.4	15.7	15.3	15.2	14.6	14.1	11.9	65.0	992.5	2.8	5.5	N
30	13.5	9.9	16.8	15.8	15.7	15.6	15.0	14.2	11.9	82.0	989.0	1.6	5.3	Ø
Mid.	15.3	9.5	20.0	16.4	16.0	15.9	15.1	13.8	10.9	72.5	999.4	2.4	5.6	

Høyeste temperatur: 25,6

Laveste temperatur: 4,1

Normal temperatur (1931-1960): 14,4

Normal temperatur (1961-1990): 14,8

DATO	STRÅLING										Jord-varmefflux (MJ/m2)	Fordampning (mm)	Nedbør (mm)
	MJ/m2			%				E/m2		Albedo			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	26.74	4.52	14.74	4.5		33.5	9.7	52.3	57.2	0.21	1.21	3.1	0.0
02	25.63	6.40	13.38	4.6		33.4	9.5	52.5	55.0	0.23	0.79	3.9	0.0
03	27.29	3.80	14.51	4.5		32.8	9.9	52.9	58.3	0.24	1.00	3.2	0.0
04	25.38	6.71	13.99	4.5		34.1	9.1	52.3	54.5	0.23	1.11	3.7	0.0
05	26.27	6.75	14.06	4.5		33.7	9.2	52.6	55.9	0.24	0.86	4.7	0.0
06	27.50	4.06	14.94	4.5		33.6	9.6	52.3	58.8	0.24	1.00	4.7	0.0
07	27.44	4.16	14.74	4.6		33.5	9.5	52.4	59.1	0.24	0.93	4.4	0.0
08	26.42	5.84	14.13	4.6		33.9	9.3	52.2	57.2	0.23	0.93	3.6	0.0
09	27.16	4.22	14.87	4.7		33.8	9.4	52.2	59.1	0.23	0.85	4.1	0.0
10	16.09	8.48	8.54	5.2		35.2	8.6	51.0	35.3	0.22	0.42	1.6	11.5
11	6.09	5.33	2.22	6.6		39.5	7.8	46.2	13.9	0.23	0.04	1.3	12.7
12	25.47	8.62	14.11	4.9		32.8	8.9	53.4	54.7	0.24	0.35		0.1
13	18.34	10.80	8.82	5.4		33.4	9.5	51.7	40.2	0.24	0.33	2.1	0.7
14	27.25	4.56	15.33	4.7		34.0	8.8	52.5	59.3	0.22	0.51	3.9	0.0
15	7.95	6.75	4.04	6.1		38.1	8.1	47.8	18.0	0.21	-0.02	1.0	3.6
16	26.29	5.03	15.33	4.8		34.2	8.8	52.3	57.7	0.23	0.71	3.4	0.0
17	9.51	8.27	4.83	6.0		37.9	8.7	47.4	21.4	0.20	0.15	1.7	0.1
18	15.32	10.36	9.05	5.1		36.5	7.4	50.9	34.0	0.21	0.76	1.2	10.1
19	25.32	8.30	13.81	4.9		33.8	8.7	52.5	55.4	0.23	0.36	4.6	0.0
20	23.61	9.41	12.91	4.9		35.0	7.8	52.2	51.4	0.21	0.26	3.9	0.2
21	19.45	9.07	10.78	5.2		35.5	8.0	51.3	42.5	0.20	0.59	2.4	0.7
22	17.72	12.99	9.61	5.3		35.4	8.4	51.0	38.8	0.22	0.10	3.2	0.0
23	11.95	8.42	6.33	5.4		36.7	6.7	51.2	26.1	0.22	-0.01	1.1	30.7
24	24.34	7.44	13.43	4.9		34.9	8.7	51.6	53.5	0.23	0.79	3.5	0.1
25	18.51	9.99	9.24	5.1		36.0	7.3	51.5	40.6	0.22	0.25	3.3	0.2
26	8.52	7.24	3.36	5.8		35.4	9.1	49.8	18.7	0.24	-0.31	1.7	2.7
27	22.21	8.35	11.81	5.0		34.0	8.6	52.4	48.2	0.23	0.38	2.4	1.5
28	12.93	9.61	6.74	5.5		36.0	8.4	50.1	28.9	0.22	-0.04	1.5	3.4
29	24.15	6.14	12.88	4.9		35.7	8.2	51.2	52.9	0.21	0.74	3.2	0.0
30	16.82	10.25	8.16	5.2		35.5	8.2	51.1	37.1	0.23	0.38	1.7	2.9
Sum	617.7	221.9	330.7						1343.8		15.40	84.1	81.2
Mid.	20.59	7.40	11.02	5.1		34.9	8.7	51.4	44.8	0.22	0.51	2.9	

Normal nedbør (1931-60): 70mm

Normal nedbør (1961-90): 68mm

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

Meteorologiske data for Ås
Juli 2002

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	13.3	7.4	16.6	15.2	15.1	15.2	14.9	14.3	11.9	78.1	985.4	2.9	5.7	S
02	12.8	10.4	16.0	14.6	14.7	14.8	14.7	14.3	11.9	85.7	982.1	4.2	7.5	S
03	13.3	9.8	16.9	14.7	14.7	14.7	14.5	14.3	11.9	80.8	988.2	3.9	6.2	S
04	14.1	12.2	16.2	15.5	15.3	15.2	14.8	14.2	12.0	90.8	993.2	1.7	3.4	NØ
05	15.7	12.5	19.3	16.5	16.1	16.0	15.2	14.3	12.0	76.5	993.5	3.2	6.2	S
06	14.8	11.1	18.3	15.8	15.8	15.8	15.4	14.5	12.0	74.5	996.4	3.9	6.7	S
07	15.1	11.6	18.9	15.9	15.8	15.8	15.4	14.6	12.1	74.4	998.2	3.9	7.3	S
08	13.9	12.6	14.9	15.3	15.4	15.5	15.3	14.7	12.1	90.5	999.9	3.2	5.5	S
09	17.6	14.7	21.9	16.6	16.2	15.9	15.3	14.7	12.2	91.3	1000.0	2.5	5.1	S
10	19.6	17.2	22.9	18.4	17.8	17.4	16.3	14.8	12.3	89.6	998.4	1.6	3.5	NØ
11	17.2	13.7	19.4	18.1	17.9	17.8	17.0	15.2	12.4	79.3	997.3	5.3	9.2	S
12	15.4	12.1	18.8	17.7	17.4	17.3	16.7	15.4	12.5	77.3	1008.6	4.0	6.5	S
13	16.4	10.7	22.1	18.5	18.0	17.7	16.8	15.5	12.7	72.5	1013.2	1.4	3.4	SV
14	17.0	11.4	22.4	18.9	18.4	18.2	17.3	15.7	12.8	77.1	1014.2	1.5	4.2	NV
15	18.1	11.6	23.7	19.1	18.8	18.5	17.6	15.9	12.8	75.2	1010.4	2.4	5.4	S
16	17.6	11.9	22.6	19.0	18.6	18.5	17.7	16.0	13.0	76.2	1006.7	2.2	4.8	S
17	18.8	13.6	23.1	19.6	19.2	19.0	18.0	16.2	13.1	71.9	1004.5	2.1	4.4	SV
18	17.0	12.2	21.5	18.2	18.1	18.2	17.8	16.4	13.2	85.4	1003.8	1.4	3.7	N
19	17.2	15.5	19.0	18.2	18.1	18.1	17.6	16.4	13.3	89.9	1001.9	2.3	4.0	N
20	18.7	16.2	22.0	18.9	18.5	18.4	17.6	16.4	13.4	86.2	999.4	1.9	3.1	NV
21	17.3	15.7	19.8	18.9	18.7	18.6	17.9	16.5	13.5	91.8	996.7	1.7	3.8	N
22	16.7	15.1	17.9	18.1	18.1	18.1	17.7	16.6	13.6	93.2	988.2	2.7	5.2	N
23	16.8	13.8	20.0	18.4	18.2	18.1	17.6	16.6	13.7	88.7	984.6	1.2	4.6	N
24	14.3	13.4	15.4	16.4	16.5	16.8	16.8	16.7	13.8	92.8	985.8	2.6	15.0	N
25	16.1	12.1	21.6	17.1	17.0	17.0	16.7	16.4	14.0	72.2	990.2	2.5	4.3	NV
26	16.1	9.9	21.6	17.3	17.2	17.1	16.8	16.3	14.1	75.6	992.1	2.3	5.3	S
27	16.4	11.2	21.3	17.4	17.3	17.3	17.0	16.3	14.1	63.9	1003.8	2.8	5.5	S
28	17.6	15.3	19.8	17.4	17.3	17.3	17.0	16.4	14.1	87.0	1009.4	4.0	6.4	S
29	19.9	16.0	24.0	19.4	18.9	18.5	17.6	16.4	14.1	78.9	1010.8	2.3	4.3	S
30	20.0	14.1	26.1	20.0	19.5	19.3	18.3	16.6	14.1	84.3	1009.0	1.2	4.3	N
31	19.3	13.9	23.2	19.7	19.4	19.2	18.5	16.9	14.1	79.3	1006.4	1.9	3.9	N
Mid.	16.6	12.9	20.2	17.6	17.4	17.3	16.7	15.7	13.0	81.6	999.1	2.6	5.4	

Høyeste temperatur: 26.1

Laveste temperatur: 7.4

Normal temperatur (1931-1960): 16.8

Normal temperatur (1961-1990): 16.1

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	21.95	10.49	12.44	5.0		33.9	8.9	52.2	47.8	0.24	0.18	3.5	0.0
02	13.30	8.57	7.42	5.5		34.4	9.0	51.0	29.2	0.24	-0.01	1.5	17.5
03	21.47	9.77	11.81	5.0		33.8	8.7	52.5	46.8	0.25	0.32	2.8	0.3
04	9.25	7.85	5.14	6.0		38.4	7.6	47.9	20.8	0.22	0.40	1.5	2.6
05	24.61	6.45	13.80	4.8		34.7	8.9	51.6	53.8	0.24	0.84	3.6	1.2
06	23.40	7.72	12.24	4.9		33.8	9.6	51.7	50.9	0.25	0.40	4.1	0.1
07	22.90	9.53	12.92	4.9		33.8	9.6	51.7	49.9	0.25	0.50	4.2	0.2
08	6.69	5.73	3.51	6.3		39.5	7.7	46.5	15.5	0.24	-0.03	0.9	18.0
09	8.78	7.49	5.05	5.8		37.8	8.8	47.6	19.7	0.25	0.71	0.4	7.6
10	10.34	8.51	5.82	5.6		38.0	8.5	47.8	23.3	0.24	1.09	0.1	14.8
11	17.56	8.09	9.82	5.4		34.7	10.1	49.7	38.3	0.24	0.41	2.0	1.0
12	25.26	6.79	13.64	4.9		34.0	8.8	52.3	54.8	0.24	0.43	4.5	0.0
13	23.43	8.39	12.33	4.7		33.5	9.7	52.1	50.9	0.23	0.81	2.9	0.0
14	19.52	10.21	10.87	5.1		35.1	10.1	49.8	43.3	0.22	0.76	2.5	0.3
15	23.46	5.95	13.42	4.7		34.3	9.7	51.3	51.3	0.23	0.63	3.5	0.0
16	23.63	6.25	13.32	4.8		34.1	10.1	51.0	51.8	0.23	0.55	3.7	0.0
17	24.49	7.16	14.27	4.7		34.6	9.7	51.0	54.1	0.22	0.79	3.8	0.0
18	8.42	7.31	4.37	6.3		39.5	8.2	45.9	19.4	0.21	0.12	1.1	0.2
19	6.73	5.94	4.11	6.7		38.9	8.4	46.0	15.5	0.19	0.22	1.1	19.3
20	11.92	9.20	7.19	5.8		36.5	9.3	48.4	26.7	0.24	0.65	0.6	6.4
21	7.27	6.35	4.40	6.6		39.2	8.1	46.1	16.6	0.22	0.40	0.0	7.5
22	6.09	5.27	3.24	6.8		39.5	9.0	44.8	14.5	0.21	0.12	0.9	21.2
23	12.32	10.31	6.88	6.1		38.0	8.6	47.3	27.9	0.23	0.58	1.0	21.4
24	5.14	4.55	2.59	7.2		41.0	8.4	43.4	12.3	0.21	-0.40	5.8	39.6
25	21.16	5.89	11.69	5.3		34.7	8.9	51.1	46.4	0.24	0.49	3.3	0.7
26	19.61	8.97	11.11	5.0		34.9	10.2	49.9	42.9	0.24	0.36	2.8	0.3
27	23.44	4.25	12.10	4.7		34.4	9.0	51.8	51.7	0.23	0.29	3.5	0.2
28	8.14	7.01	3.89	5.9		37.8	8.4	47.9	18.1	0.24	0.18	1.8	0.4
29	21.33	6.29	12.16	4.6		34.5	9.6	51.3	46.8	0.25	0.96	1.9	0.0
30	14.82	8.62	8.50	4.8		36.9	7.9	50.3	33.0	0.23	0.71	1.5	0.2
31	15.45	10.48	8.93	4.8		34.9	8.3	52.0	34.6	0.25	0.44	2.7	0.0
Sum	501.9	235.4	279.0						1108.7		13.92	73.6	181.0
Mid.	16.19	7.59	9.00	5.4		36.1	9.0	49.5	35.8	0.23	0.45	2.4	

Normal nedbør (1931-60): 79 mm

Normal nedbør (1961-90): 81 mm

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

Meteorologiske data for Ås
August 2002

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DATO	Hytte			TEMPERATURER (°C)						FUKT.	TRYKK	VIND(10m)		
	Mid	Min	Max	2	5	Jord(cm)			rf(%)	(mbar)	Mid (m/s)	Max (m/s)	Retn.	
01	22.4	16.4	27.4	20.9	20.3	19.9	18.8	17.0	14.2	72.0	1003.5	2.3	4.4	NØ
02	20.8	18.4	23.5	20.3	20.1	19.9	19.2	17.3	14.3	76.5	1006.8	2.4	4.7	NØ
03	18.6	14.4	22.9	19.8	19.6	19.5	18.9	17.4	14.4	76.3	1007.6	1.6	2.8	NØ
04	19.3	12.0	25.3	19.5	19.2	19.1	18.6	17.4	14.5	74.6	1005.8	1.0	3.1	NØ
05	17.4	12.0	25.5	19.1	19.0	18.9	18.5	17.4	14.5	68.4	1007.8	1.5	4.0	SØ
06	19.2	12.4	25.0	19.1	18.9	18.9	18.4	17.3	14.6	74.6	1007.6	1.6	3.7	S
07	19.8	13.0	25.9	19.4	19.2	19.1	18.5	17.3	14.7	71.9	1005.8	1.9	5.1	SV
08	18.9	13.7	23.8	19.1	19.0	19.0	18.5	17.4	14.7	73.0	1003.4	2.0	4.4	Ø
09	18.5	11.5	25.5	18.5	18.4	18.4	18.2	17.4	14.8	73.6	1000.6	1.5	5.3	S
10	19.0	14.0	24.7	18.8	18.5	18.5	18.1	17.3	14.8	70.9	1000.1	1.5	5.2	Ø
11	18.1	14.8	23.1	18.7	18.5	18.5	18.1	17.3	14.8	85.4	995.5	1.7	4.8	N
12	17.6	14.6	21.5	18.2	18.1	18.2	18.0	17.4	14.8	92.8	993.5	1.4	4.3	Ø
13	19.5	13.2	25.4	19.3	18.9	18.7	18.0	17.3	14.9	78.5	996.6	1.7	4.2	SØ
14	20.0	13.5	26.9	19.9	19.6	19.4	18.6	17.4	14.9	74.5	1001.3	1.3	4.2	V
15	19.8	14.7	24.8	20.3	20.0	19.8	19.0	17.6	15.0	80.9	1005.7	1.7	4.4	S
16	19.7	15.8	25.8	20.5	20.2	20.0	19.3	17.8	15.0	82.3	1008.7	1.6	3.1	SØ
17	20.8	14.9	27.3	20.8	20.4	20.2	19.4	18.0	15.1	78.5	1010.2			
18	20.1	14.5	25.6	20.1	20.0	20.0	19.5	18.1	15.2	72.6	1011.2			
19	18.9	12.1	25.6	19.3	19.2	19.2	19.0	18.1	15.2	76.8	1010.6			
20	17.3	11.9	22.5	18.6	18.6	18.7	18.6	18.0	15.3	87.6	1008.5			
21	14.7	12.6	19.3	17.6	17.8	18.1	18.3	17.9	15.4	95.5	1007.2			
22	18.9	9.9	26.7	18.7	18.6	18.6	18.3	17.8	15.4	70.9	1008.5			
23	18.7	11.0	26.1	18.5	18.4	18.4	18.2	17.7	15.4	72.5	1010.7			
24	18.9	11.3	25.7	18.4	18.3	18.3	18.0	17.6	15.4	75.2	1012.5			
25	18.4	11.6	24.4	18.6	18.4	18.4	18.0	17.6	15.4	80.4	1012.5			
26	18.0	11.1	24.8	18.2	18.1	18.2	18.0	17.5	15.4	75.2	1011.9			
27	16.7	10.0	22.0	17.8	17.7	17.7	17.7	17.5	15.4	87.4	1006.0	2.3	6.7	S
28	17.6	12.2	23.7	18.0	18.0	18.0	17.7	17.4	15.4	73.7	1001.3			
29	16.2	8.9	22.1	17.1	17.1	17.2	17.2	17.3	15.3	84.8	999.4	2.9	7.5	S
30	16.5	13.2	18.9	16.9	17.0	17.1	17.2	17.1	15.3	75.6	997.0	3.7	6.5	S
31	17.1	10.9	20.8	17.0	17.0	17.1	17.0	17.0	15.3	68.8	992.8	5.2	8.1	S
Mid.	18.6	12.9	24.3	18.9	18.8	18.7	18.3	17.5	15.0	77.5	1004.9			

Høyeste temperatur: 27,4

Laveste temperatur: 8,9

Normal temperatur (1931-1960): 15,6

Normal temperatur (1961-1990): 14,9

DATO	STRÅLING										Jord-varmeflux (MJ/m2)	Fordampning (mm)	Nedbør (mm)
	MJ/m2			%				E/m2		Albedo			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	19.59	8.66	11.82	4.6		34.5	9.0	51.9	43.6	0.23	0.94	3.2	0.0
02	11.64	8.91	6.50	5.6		36.1	9.3	48.9	26.2	0.24	0.41	2.5	0.0
03	13.78	9.98	6.92	5.4		35.5	9.6	49.4	31.0	0.24	0.31	2.5	0.0
04	18.68	5.66	10.39	4.8		33.1	9.8	52.2	41.7	0.23	0.31	2.4	0.0
05	21.55	3.83	12.19	4.6		33.5	9.6	52.2	48.0	0.25	0.28	3.4	0.0
06	19.31	6.55	10.59	4.7		34.5	8.9	52.0	42.9	0.23	0.35	2.5	0.0
07	21.34	4.74	12.23	4.6		33.9	9.3	52.3	47.5	0.22	0.42	3.3	0.0
08	18.36	8.37	10.13	4.8		33.9	9.7	51.6	40.5	0.22	0.25	2.8	0.2
09	17.15	6.31	9.66	4.8		34.1	8.5	52.6	37.9	0.22	0.15	2.8	0.0
10	17.14	9.23	9.88	4.8		34.3	9.4	51.5	37.9	0.23	0.30	2.7	0.0
11	8.89	7.38	5.08	5.6		36.9	8.5	49.0	20.1	0.20	0.22	1.0	3.8
12	4.65	4.09	2.48	6.1		39.3	8.3	46.3	10.7	0.20	0.00	0.6	53.5
13	20.43	3.50	11.32	4.9		33.6	9.2	52.3	45.5	0.22	0.73	2.8	0.2
14	19.19	3.40	10.71	5.0		33.8	9.1	52.2	43.2	0.21	0.65	3.3	0.0
15	18.95	3.64	10.48	4.9		34.0	8.9	52.1	42.3	0.21	0.63	2.2	0.1
16	14.97	6.18	8.55	5.1		34.0	9.7	51.2	33.4	0.22	0.52	1.3	0.0
17	17.82	6.10	10.60	4.8		34.0	8.9	52.3	39.6	0.21	0.66	1.4	0.3
18	12.61	7.14	6.34	5.5		33.8	9.2	51.5	28.0	0.25	0.17	1.5	0.0
19	17.60	5.61	9.56	4.8		32.3	9.2	53.7	38.9	0.23	0.11	1.4	0.0
20	8.69	6.08	4.67	5.3		35.0	7.7	52.0	19.3	0.21	-0.09	1.3	1.4
21	2.65	1.30	1.38	4.7		35.3	6.0	53.9	5.5	0.20	-0.19	1.4	0.0
22	18.32	4.19	10.63	4.5		31.2	8.2	56.1	39.7	0.21	0.13	1.2	0.0
23	17.91	3.89	10.38	4.6		31.7	8.6	55.0	39.0	0.22	0.03	1.1	0.0
24	15.48	5.93	8.92	4.8		32.6	8.2	54.4	34.0	0.22	0.14	1.3	0.0
25	16.34	6.88	9.36	4.7		32.4	8.1	54.8	35.5	0.22	0.21	1.4	0.0
26	17.04	4.11	9.50	4.7		31.3	8.4	55.6	37.3	0.23	0.03	1.2	0.0
27	12.99	8.28	6.92	4.9		33.0	7.7	54.5	27.6	0.22	-0.04	1.1	0.1
28	12.19	7.70	6.15	5.4		33.7	8.6	52.3	27.2	0.25	-0.11	1.9	0.1
29	13.07	7.81	7.76	5.3		34.5	8.4	51.7	29.1	0.21	-0.10	1.7	1.9
30	9.67	7.27	4.43	5.7		35.3	7.8	51.2	21.6	0.22	-0.21	2.2	0.1
31	14.54	5.57	7.76	5.1		32.8	8.9	53.2	32.4	0.24	-0.09	3.3	4.6
Sum	472.5	188.3	263.3					1047.2			7.13	62.7	66.3
Mid.	15.24	6.07	8.49	5.0		34.0	8.7	52.3	33.8	0.22	0.23	2.0	

Normal nedbør (1931-60): 96mm

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

Normal nedbør (1961-90): 83mm

Fordampning 14.8 til 16.8 er registrert manuelt

Meteorologiske data for Ås
September 2002

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DATO	TEMPERATURER (°C)									FUKT. rf(%)	TRYKK (mbar)	VIND(10m)		Retn.
	Hytte			Jord(cm)								Mid (m/s)	Max (m/s)	
	Mid	Min	Max	2	5	10	20	50	100					
01	14.8	6.9	22.1	15.5	15.6	15.8	16.2	16.8	15.2	63.6	1009.5	2.1	4.2	NV
02	16.2	12.3	20.0	15.9	15.9	16.0	16.1	16.6	15.2	75.7	1013.7	3.5	7.1	S
03	15.9	9.2	21.8	16.0	16.0	16.0	16.0	16.4	15.1	77.0	1013.1	2.1	5.7	S
04	17.2	10.6	22.5	16.2	16.2	16.2	16.1	16.3	15.0	75.0	1005.1	2.2	4.1	Ø
05	16.2	13.2	18.4	16.7	16.6	16.7	16.5	16.3	14.9	83.2	996.2	3.8	7.7	S
06	15.5	13.0	18.7	16.0	16.0	16.1	16.2	16.3	14.9	83.7	994.5	3.7	6.6	S
07	15.2	11.3	17.9	16.0	15.9	16.0	16.0	16.3	14.8	91.5	996.7	3.0	5.3	SØ
08	16.7	12.4	21.7	17.2	16.9	16.8	16.4	16.2	14.8	87.4	1005.7	1.9	3.6	SØ
09	17.1	12.3	23.2	17.3	17.2	17.1	16.7	16.3	14.7	82.2	1012.8	1.2	3.4	N
10	16.0	10.1	22.0	16.4	16.4	16.5	16.5	16.4	14.7	71.2	1013.4	1.5	3.4	NØ
11	14.4	7.6	22.1	15.8	15.9	16.0	16.1	16.2	14.7	74.9	1020.0	0.9	2.8	NØ
12	15.0	7.0	24.4	15.6	15.6	15.7	15.7	16.1	14.7	79.3	1019.3	0.9	2.6	NØ
13	16.8	8.7	26.4	16.1	16.0	16.0	15.8	16.0	14.6	70.7	1012.2	1.5	4.5	NØ
14	13.9	9.3	18.2	14.5	14.9	15.2	15.6	16.0	14.6	57.3	1009.7	4.0	8.6	N
15	10.6	3.8	16.6	13.5	13.8	14.1	14.6	15.7	14.5	67.9	1009.9	1.5	3.8	N
16	12.9	8.2	20.0	14.6	14.6	14.6	14.6	15.5	14.5	81.5	1001.3	1.0	2.6	Ø
17	11.8	6.2	17.4	14.1	14.4	14.5	14.7	15.4	14.4	85.2	996.7	0.9	3.4	NØ
18	11.7	5.7	17.9	13.4	13.6	13.8	14.2	15.3	14.3	69.4	998.3	1.6	4.0	N
19	9.7	4.9	13.6	12.8	13.1	13.4	13.8	15.0	14.2	74.4	1002.2	1.2	2.8	N
20	8.3	3.9	14.3	12.0	12.4	12.8	13.4	14.7	14.1	81.8	1001.0	1.4	3.7	NØ
21	7.2	4.3	11.9	11.3	11.7	12.0	12.7	14.4	14.0	87.1	1002.9	1.2	2.9	NØ
22	7.3	5.0	9.8	10.9	11.3	11.7	12.4	14.2	13.9	85.5	1007.1	2.7	5.2	N
23	5.9	-0.6	11.1	10.4	10.8	11.1	11.9	13.8	13.7	78.8	1011.9	1.6	3.7	S
24	9.6	3.2	16.6	11.1	11.2	11.4	11.8	13.5	13.5	81.0	1003.5	1.3	3.9	Ø
25	8.7	5.5	11.1	11.2	11.4	11.6	12.0	13.4	13.4	63.5	1000.7	1.9	3.9	N
26	5.3	-0.9	11.5	10.0	10.5	11.0	11.7	13.3	13.2	77.5	1003.7	1.3	3.3	N
27	6.2	-2.4	13.7	9.1	9.5	9.8	10.7	12.9	13.1	85.0	1007.7	1.4	3.5	S
28	9.8	2.2	17.0	10.1	10.3	10.5	10.9	12.7	12.9	77.0	1006.2	1.6	5.9	SV
29	11.6	5.6	18.3	10.7	10.8	10.9	11.2	12.6	12.8	73.4	1006.3	1.6	4.2	V
30	11.7	7.3	15.3	11.2	11.2	11.3	11.4	12.5	12.6	86.4	1005.4	2.6	5.7	S
Mid.	12.3	6.9	17.9	13.7	13.9	14.0	14.3	15.1	14.2	77.6	1006.2	1.9	4.4	

Høyeste temperatur: 26.4

Laveste temperatur: -2.4

Normal temperatur (1931-1960): 10.9

Normal temperatur (1961-1990): 10.6

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	16.74	2.03	7.52	4.9		31.3	8.2	55.6	37.4	0.21	-0.31	2.5	0.0
02	11.77	8.18	5.48	5.4		34.0	9.1	51.5	26.7	0.25	-0.11	2.1	0.0
03	16.26	2.24	8.24	4.8		31.5	8.9	54.8	36.6	0.24	0.02	2.2	0.0
04	13.20	5.73	6.72	4.9		31.9	8.1	55.2	29.1	0.24	0.08	1.8	0.0
05	10.08	6.80	5.14	5.5		34.6	7.6	52.3	22.5	0.24	0.05	1.7	7.8
06	8.31	6.32	3.78	5.8		34.6	8.9	50.8	18.6	0.23	-0.09	1.5	0.0
07	6.39	5.54	3.01	6.0		37.0	8.7	48.3	14.6	0.23	0.00	0.3	14.3
08	10.01	6.93	5.30	5.5		34.5	8.6	51.4	22.6	0.27	0.40	0.8	1.0
09	13.37	4.39	7.27	4.7		30.7	8.4	56.2	29.6	0.25	0.26	1.4	0.0
10	14.15	2.00	7.21	4.9		30.7	8.5	55.9	31.9	0.25	-0.13	2.2	0.0
11	14.42	1.65	7.09	4.8		29.8	8.8	56.7	32.2	0.24	-0.24	1.9	0.0
12	13.70	2.30	7.22	4.7		30.8	8.6	55.9	30.9	0.23	-0.14	1.8	0.0
13	13.14	3.50	6.69	4.8		31.8	8.9	54.5	29.6	0.23	0.10	1.8	0.1
14	13.25	2.98	4.98	4.8		28.5	8.8	57.8	28.9	0.27	-0.65	3.9	0.2
15	13.02	2.91	4.95	4.9		29.3	8.3	57.6	28.6	0.24	-0.56	1.9	0.0
16	11.07	4.89	5.36	5.1		31.5	9.2	54.2	25.1	0.23	-0.01	0.7	0.7
17	8.66	6.01	4.39	5.6		34.2	8.4	51.7	19.6	0.24	-0.31	0.0	0.0
18	12.62	2.60	6.21	4.8		28.8	8.6	57.8	27.8	0.24	-0.44	0.0	0.0
19	8.49	6.01	2.90	5.5		32.1	8.1	54.3	18.9	0.22	-0.45	0.0	0.0
20	10.02	4.76	4.74	4.9		28.4	8.8	57.9	22.3	0.25	-0.63	0.0	0.0
21	6.98	5.44	3.42	5.8		33.9	7.9	52.4	15.6	0.22	-0.51	4.6	4.6
22	8.24	5.49	3.55	5.5		32.2	8.8	53.5	18.4	0.26	-0.67	14.1	14.1
23	11.30	3.30	4.24	4.8		27.0	8.9	59.3	24.6	0.24	-0.72	0.0	0.0
24	8.65	5.72	3.47	5.2		31.7	8.9	54.1	19.5	0.24	-0.30	0.0	0.0
25	7.60	6.10	3.66	5.6		33.4	8.7	52.3	17.1	0.23	-0.29	0.0	0.0
26	9.35	4.14	3.27	5.0		28.4	9.8	56.7	20.5	0.28	-0.77	0.0	0.0
27	9.02	3.78	4.15	5.1		30.3	8.9	55.7	20.2	0.23	-0.66	0.1	0.1
28	7.99	4.59	3.47	5.2		30.9	9.5	54.3	17.9	0.24	-0.33	0.0	0.0
29	8.78	4.11	3.27	4.8		29.8	9.4	56.0	19.6	0.24	-0.20	0.0	0.0
30	5.61	4.69	2.27	5.4		35.5	8.2	50.9	12.7	0.22	-0.06	1.5	1.5
Sum	322.2	135.1	149.0						719.6		-7.65		44.4
Mid.	10.74	4.50	4.97	5.2		31.6	8.7	54.5	24.0	0.24	-0.25		

Normal nedbør (1931-60): 86 mm

Normal nedbør (1961-90): 90 mm

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

Meteorologiske data for Ås
Oktober 2002

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	10.0	8.9	11.3	11.3	11.4	11.5	11.6	12.5	12.5	81.0	1011.4	1.3	2.4	N
02	9.7	7.4	11.9	11.6	11.6	11.7	11.7	12.6	12.4	86.7	1011.6	0.9	2.2	N
03	10.8	9.5	13.1	12.0	12.0	12.0	12.0	12.7	12.4	87.4	1004.6	1.5	4.1	S
04	8.5	5.7	10.1	11.2	11.5	11.6	11.9	12.8	12.3	96.0	1001.8	1.4	3.0	NØ
05	5.8	1.5	8.2	10.2	10.6	10.9	11.4	12.7	12.3	88.9	1004.8	1.5	3.7	NØ
06	3.8	0.6	6.3	8.9	9.4	9.8	10.6	12.5	12.2	75.7	1011.2	1.8	3.0	NØ
07	2.0	-1.1	5.0	7.2	7.9	8.5	9.7	12.2	12.1	73.7	1013.1	2.4	5.2	NØ
08	3.2	1.7	5.2	7.0	7.5	8.0	9.0	11.7	12.0	73.7	1013.6	2.9	5.1	NØ
09	3.0	-2.6	5.6	7.0	7.5	8.0	8.8	11.5	11.9	76.6	1015.5	2.4	4.3	NØ
10	2.2	-3.2	5.9	6.0	6.6	7.1	8.2	11.0	11.7	76.4	1017.4	1.8	5.5	N
11	2.8	2.2	4.0	6.0	6.5	7.0	8.0	10.5	11.5	70.7	1021.0	2.1	3.5	NØ
12	3.1	2.1	4.5	6.0	6.5	6.9	7.7	10.3	11.3	70.0	1020.7	2.2	3.1	NØ
13	3.1	2.4	3.7	5.6	6.2	6.6	7.5	10.1	11.1	76.9	1018.3	3.0	4.3	NØ
14	2.8	0.7	3.8	5.6	6.1	6.5	7.3	9.8	10.9	86.1	1011.4	3.3	5.0	NØ
15	1.5	0.7	2.3	5.0	5.6	6.0	7.0	9.6	10.8	92.1	1004.2	3.6	5.9	N
16	1.2	-0.1	3.9	4.9	5.4	5.8	6.7	9.3	10.6	79.8	996.4	2.2	3.9	N
17	0.5	-0.6	1.3	4.4	4.9	5.4	6.5	9.1	10.4	78.1	990.4	3.5	5.3	N
18	-0.3	-2.3	1.4	4.0	4.6	5.0	6.1	8.9	10.2	75.7	994.8	2.4	4.6	N
19	-1.8	-6.1	2.2	3.0	3.7	4.3	5.5	8.6	10.0	79.3	998.2	1.6	3.7	N
20	-1.0	-5.2	1.7	3.3	3.7	4.1	5.1	8.2	9.9	95.2	998.8	1.3	3.2	SØ
21	-0.1	-2.9	1.4	3.9	4.2	4.6	5.3	8.2	9.7	94.4	997.4	1.2	2.4	NØ
22	0.4	-1.1	1.8	3.9	4.3	4.6	5.4	8.0	9.5	88.9	990.9	2.9	4.5	NØ
23	4.1	0.7	7.0	3.5	3.8	4.0	4.6	7.4	9.3	94.3	973.1	4.4	8.1	Ø
24	4.6	2.3	7.2	4.2	4.4	4.6	4.9	7.2	9.0	77.6	979.6	4.7	7.8	S
25	5.4	2.5	8.9	4.5	4.7	4.8	5.1	7.2	8.8	92.2	978.4	4.8	9.6	S
26	6.9	1.9	9.7	6.5	6.6	6.6	6.4	7.2	8.6	76.3	970.5	4.1	9.1	S
27	4.2	1.2	7.4	4.6	4.9	5.3	5.9	7.3	8.4	74.9	979.4	2.2	5.4	S
28	2.2	-2.4	8.8	3.3	4.0	4.4	5.3	7.3	8.2	76.6	990.7	1.4	3.4	NV
29	0.4	-3.7	7.3	2.2	2.8	3.3	4.4	7.0	8.2	87.5	998.3	1.0	3.3	NØ
30	-1.6	-6.3	5.8	0.9	1.7	2.3	3.6	6.8	8.1	86.5	1001.2	0.9	4.0	SØ
31	3.4	0.0	8.1	1.7	2.1	2.4	3.2	6.4	8.0	80.3	997.0	2.7	6.0	S
Mid.	3.2	0.5	6.0	5.8	6.2	6.6	7.3	9.6	10.5	82.2	1000.5	2.4	4.7	

Høyeste temperatur: 13.1

Laveste temperatur: -6.3

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				
01	3.28	3.19	1.51	6.5		38.5	7.6	47.4	7.5	0.19	-0.11		0.0
02	3.50	3.39	1.71	6.5		38.0	8.0	47.5	7.9	0.22	-0.03		0.0
03	4.05	3.66	1.88	6.3		36.8	8.0	48.9	9.1	0.24	0.01		0.0
04	1.82	1.76	0.68	7.2		40.1	10.5	42.2	4.4	0.23	-0.31		11.1
05	3.72	3.30	1.16	6.5		37.6	7.5	48.5	8.4	0.24	-0.62		0.2
06	4.46	3.80	0.96	5.6		33.2	7.4	53.7	9.7	0.24	-0.80		0.1
07	8.12	1.81	2.05	4.9					17.5	0.24	-1.17		0.1
08	3.67	3.50	1.18	6.1		35.3	7.8	50.9	8.0	0.23	-0.84		0.0
09	4.04	3.73	1.06	6.2		36.3	7.4	50.1	9.0	0.24	-0.76		0.0
10	4.41	3.78	1.39	5.9		32.3	7.6	54.2	9.6	0.22	-0.94		0.1
11	1.74	1.68	0.19	7.0		37.7	8.3	47.0	3.9	0.23	-0.76		0.0
12	2.54	2.44	0.67	6.6		36.9	7.7	48.7	5.7	0.24	-0.64		0.0
13	1.63	1.59	-0.09	7.0		37.9	7.0	48.1	3.7	0.24	-0.73		0.0
14	1.27	1.23	0.17	7.3		39.6	7.8	45.2	3.0	0.24	-0.76		2.4
15	1.65	1.64	0.36	7.2		37.6	7.5	47.7	3.9	0.22	-0.80		2.1
16	4.22	2.81	0.69	6.2					9.5	0.24	-0.74		0.0
17	2.24	2.19	0.49	7.3		37.3	8.6	46.7	5.0	0.22	-0.83		0.0
18	3.39	3.00	0.14	6.4		32.8	7.4	53.4	7.5	0.24	-0.85		0.0
19	6.03	1.43	-0.18	4.8					12.8	0.25	-1.13		0.0
20	2.99	2.63	-0.45	7.5		36.1	7.8	48.5	7.3	0.92	-0.69		1.6
21	2.11	2.10	0.15	7.7		39.0	8.3	45.0	5.1	0.77	-0.55		1.6
22	1.28	1.25	-0.18	8.4		40.6	10.2	40.8	3.3	0.80	-0.58		7.2
23	0.59	0.59	0.21	8.0		44.9	5.7	41.3	1.5	0.29	-0.49		43.0
24	3.98	2.28	-1.44	5.1					8.6	0.27	-0.34		0.0
25	0.57	0.63	-0.55	7.0					1.3	0.13	-0.14		33.3
26	4.60	1.93	0.09	4.9					9.9	0.31	0.01		3.0
27	3.45	2.25	-1.71	5.4					7.5	0.20	-0.61		0.0
28	4.65	1.13	-1.19	4.7					10.2	0.26	-0.91		0.0
29	3.07	2.56	-0.38	5.4					6.6	0.24	-1.03		0.0
30	4.98	1.34	1.17	4.0					9.4	0.22	-1.29		0.0
31	3.65	1.46	-1.31	5.0					8.1	0.29	-0.55		0.0
Sum	101.7	70.1	10.4						224.8		-19.99		105.8
Mid.	3.28	2.26	0.34	6.8		37.1	7.9	48.1	7.3	0.29	-0.64		

Normal nedbør (1931-60): 86 mm

Normal nedbør (1961-90): 100 mm

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

Meteorologiske data for Ås
November 2002

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	0.6	-3.7	6.1	1.1	1.7	2.2	3.2	6.1	7.8	78.3	1001.7	1.9	5.4	N
02	-3.5	-7.3	2.8	0.4	1.0	1.5	2.6	5.7	7.6	87.7	1012.4	0.7	2.3	NØ
03	-4.1	-8.9	-0.8	0.0	0.5	1.1	2.2	5.3	7.4	89.0	1011.3	1.5	2.9	NØ
04	-2.1	-6.8	1.0	0.1	0.6	1.0	2.0	5.0	7.3	84.7	1010.5	1.4	3.4	S
05	-5.9	-9.9	-2.6	-0.1	0.4	0.9	1.8	4.9	7.1	99.0	1011.5	0.7	1.5	NØ
06	3.3	-2.6	5.6	0.0	0.4	0.8	1.7	4.7	6.9	93.0	1001.1	5.0	7.2	S
07	4.4	2.5	5.6	1.8	1.8	1.9	2.1	4.3	6.7	96.1	992.2	2.2	6.4	N
08	2.0	1.2	3.0	2.6	2.7	2.8	2.9	4.4	6.4	92.5	990.4	1.7	2.5	N
09	0.4	-2.4	1.7	2.1	2.4	2.8	3.1	4.7	6.3	81.9	993.7	3.3	5.4	N
10	-4.3	-5.9	-2.5	0.7	1.2	1.7	2.6	4.6	6.2	68.3	1002.2	3.0	5.1	NØ
11	-8.2	-11.0	-5.0	0.1	0.6	1.1	2.0	4.5	6.1	81.9	999.6	1.8	3.2	N
12	-7.4	-9.8	-6.3	-0.3	0.2	0.6	1.6	4.2	6.0	90.6	995.4	2.2	4.3	N
13	-5.1	-6.2	-3.9	-0.1	0.3	0.6	1.5	4.1	5.9	82.0	983.8	4.2	5.4	N
14	-2.5	-4.1	-1.6	0.0	0.4	0.7	1.4	3.8	5.8	85.5	986.6	3.6	5.4	N
15	-0.1	-1.7	0.8	0.1	0.5	0.8	1.5	3.7	5.7	96.3	987.7	2.3	3.4	N
16	0.7	0.3	1.5	0.2	0.6	0.9	1.5	3.7	5.6	96.5	994.7	0.7	2.0	NØ
17	0.9	0.2	2.4	0.4	0.8	1.1	1.6	3.7	5.5	96.5	992.5	1.1	2.3	N
18	-0.6	-3.6	1.1	0.9	1.1	1.4	1.8	3.7	5.3	88.1	998.2	2.1	3.7	NV
19	-4.0	-9.4	-0.5	1.0	1.2	1.5	1.9	3.7	5.3	76.1	1007.8	2.2	4.5	NV
20	-5.6	-11.0	-0.9	0.6	0.9	1.3	1.8	3.7	5.2	86.6	1005.8	1.6	3.4	N
21	-1.3	-2.9	0.0	0.5	0.8	1.1	1.6	3.6	5.2	79.5	1003.5	3.6	5.4	NØ
22	-2.7	-3.4	-2.2	0.7	0.9	1.2	1.7	3.6	5.1	87.8	1004.7	3.1	4.6	NØ
23	-1.4	-2.7	-0.4	0.9	1.1	1.3	1.8	3.6	5.0	87.5	1006.7	3.3	5.2	NØ
24	-1.1	-1.5	-0.6	1.0	1.2	1.5	1.9	3.6	5.0	96.5	1006.8	2.8	4.0	N
25	-0.2	-1.1	0.7	1.1	1.3	1.5	1.9	3.5	4.9	97.5	1003.5	1.7	2.6	N
26	1.2	-2.4	2.4	1.1	1.3	1.5	1.9	3.6	4.9	93.8	997.8	2.8	4.5	N
27	-4.6	-9.0	-2.3	1.0	1.2	1.5	1.9	3.5	4.8	96.5	1006.2	0.8	11.9	NØ
28	-1.4	-2.5	-0.2	1.0	1.2	1.5	1.9	3.5	4.8	94.5	1010.2	1.9	3.5	N
29	0.0	-2.5	1.3	1.0	1.2	1.5	1.9	3.5	4.7	88.6	1014.9	3.3	4.4	NØ
30	-3.8	-4.3	-2.6	1.0	1.2	1.4	1.9	3.5	4.7	84.2	1019.7	3.5	4.5	NØ
Mid.	-1.9	-4.4	0.1	0.7	1.0	1.4	2.0	4.1	5.8	88.6	1001.8	2.3	4.3	

Høyeste temperatur: 6.1

Laveste temperatur: -11.0

Normal temperatur (1931-1960): 0.9

Normal temperatur (1961-1990): 0.4

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	4.05	0.88	-0.99	4.7		21.8		72.8	8.8	0.30	-0.95		1.2
02	4.32	0.91	0.44	4.2		24.2		70.8	8.5	0.24	-1.08		0.1
03	3.53	1.55	0.95	3.7		40.7		62.3	5.8	0.15	-0.98		0.2
04	2.36	2.04	-0.74	5.9		58.1		54.2	5.1	0.27	-0.81		0.0
05	1.41	1.40	0.29	6.7		65.7		51.4	3.1	0.13	-0.84		0.2
06	0.30	0.31	0.13	7.9		93.1		36.4	0.7	0.50	-0.69		22.3
07	0.69	0.69	0.36	6.9		68.1		49.3	1.5	0.13	0.20		4.1
08	1.10	1.10	0.36	6.2		68.9		49.7	2.5	0.20	-0.05		0.0
09	0.71	0.69	-0.69	7.7		80.8		43.7	1.6	0.23	-0.39		0.1
10	2.75	1.35	-2.13	5.1		27.6		68.8	5.8	0.23	-0.92		5.7
11	2.79	1.14	-2.77	5.0		21.2		70.8	5.8	0.27	-0.87		5.5
12	0.78	0.75	-0.27	7.2		75.3		45.3	1.7	0.69	-0.83		6.7
13	0.82	0.82	-0.13	7.2		74.6		42.4	2.1	0.90	-0.66		4.9
14	1.20	1.20	-0.13	8.5		71.8		45.1	2.8	0.82	-0.57		1.1
15	0.78	0.79	0.06	9.1		75.2		41.4	2.0	0.78	-0.53		14.1
16	0.78	0.79	0.24	9.1		85.4		36.3	2.0	0.78	-0.45		0.2
17	1.09	1.07	0.15	8.0		74.4		44.5	2.6	0.73	-0.30		0.1
18	1.62	1.17	-2.27	6.9		43.2		59.6	3.6	0.87	-0.27		1.5
19	2.19	0.65	-4.10	5.5					4.7	0.74	-0.38		0.0
20	1.92	1.00	-2.20	5.9					4.2	0.75	-0.53		0.0
21	0.48	0.48	-0.37	9.2					1.3	0.73	-0.45		0.0
22	0.45	0.46	-0.40	10.2					1.2	0.79	-0.35		0.0
23	0.25	0.27	-0.31	10.0					0.6	0.81	-0.31		6.8
24	0.26	0.25	-0.16	10.0					0.7	0.84	-0.28		9.6
25	0.46	0.46	-0.02	9.5		85.8		34.3	1.2	0.81	-0.31		1.2
26	0.77	0.75	-0.53	7.1		83.6		40.2	1.9	0.81	-0.32		0.5
27	2.03	0.94	-0.31	4.2		44.5		60.0	3.3	0.43	-0.35		0.0
28	0.25	0.22	-0.10	9.9					0.7	0.67	-0.33		1.1
29	0.66	0.68	-0.32	7.4		82.4		39.6	1.6	0.80	-0.33		2.1
30	0.37	0.37	-0.41	10.0		76.8		39.4	0.9	0.85	-0.33		2.2
Sum	41.1	25.2	-16.4						88.3		-15.26		91.5
Mid.	1.37	0.84	-0.55	7.3		63.1		49.7	2.9	0.57	-0.51		

Normal nedbør (1931-60): 83 mm

Normal nedbør (1961-90): 79 mm

* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Meteorologiske data for Ås
Desember 2002

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	-3.1	-4.0	-2.4	1.0	1.2	1.5	1.9	3.5	4.6	82.5	1009.3	2.3	3.1	NØ
02	-2.3	-2.9	-1.4	1.0	1.2	1.5	1.9	3.4	4.6	90.2	1001.5	2.6	3.6	N
03	0.0	-1.4	1.0	0.9	1.2	1.5	1.8	3.4	4.6	94.2	1011.8	2.5	4.1	N
04	-0.3	-1.2	0.6	0.9	1.1	1.4	1.8	3.3	4.5	92.5	1014.6	2.3	3.1	NØ
05	-1.8	-3.0	-1.0	0.9	1.1	1.4	1.8	3.3	4.5	86.3	1025.4	2.8	3.5	NØ
06	-2.7	-3.2	-2.1	0.9	1.1	1.4	1.8	3.3	4.4	84.7	1035.7	2.8	4.0	NØ
07	-4.0	-4.4	-3.1	0.9	1.1	1.4	1.8	3.4	4.4	84.5	1038.3	2.3	3.8	NØ
08	-6.8	-13.2	-4.2	0.9	1.1	1.4	1.8	3.2	4.4	88.6	1036.6	1.1	2.3	N
09	-12.4	-17.0	-6.5	0.7	0.9	1.2	1.7	3.1	4.3	92.5	1029.2	1.1	2.7	N
10	-9.7	-13.1	-5.0	0.4	0.6	1.0	1.6	3.2	4.3	92.8	1027.1	1.2	3.4	N
11	-11.7	-15.2	-9.0	0.2	0.5	0.8	1.4	3.2	4.3	93.2	1024.8			S
12	-13.0	-15.3	-10.8	0.2	0.4	0.7	1.3	3.1	4.2	91.7	1020.6			S
13	-8.3	-13.9	-5.0	0.1	0.4	0.7	1.3	2.9	4.2	94.1	1022.0			NV
14	-4.9	-5.8	-4.2	0.1	0.4	0.7	1.2	2.7	4.1	96.3	1022.9	0.6	1.7	N
15	-6.2	-9.0	-4.7	0.1	0.4	0.7	1.2	2.9	4.1	95.3	1020.9	0.9	1.6	N
16	-5.8	-9.9	-4.2	0.1	0.4	0.7	1.2	2.8	4.0	94.7	1014.9	1.6	3.3	N
17	-10.4	-14.6	-6.3	0.1	0.4	0.6	1.2	3.0	4.0	91.4	1008.9	1.2	2.6	SØ
18	-14.0	-16.3	-10.2	0.1	0.3	0.6	1.1	2.8	3.9	89.7	1012.7	0.7	1.9	NØ
19	-7.2	-15.0	-0.8	0.0	0.2	0.6	1.0	2.7	3.8	94.2	1009.8	1.2	3.6	SØ
20	-1.8	-9.5	2.0	0.0	0.2	0.6	1.0	2.6	3.8	92.9	997.0	2.3	6.5	S
21	-12.7	-15.9	-8.0	0.0	0.2	0.5	1.0	2.7	3.8	91.6	1004.2	0.5	1.2	NØ
22	-17.0	-20.8	-14.2	-0.1	0.1	0.5	1.0	2.8	3.7	87.6	1011.5	0.5	1.4	NØ
23	-12.0	-15.2	-9.8	-0.2	0.0	0.4	0.9	2.7	3.7	89.9	1016.7	0.8	2.4	NØ
24	-11.4	-16.5	-5.7	-0.3	0.0	0.3	0.8	2.6	3.6	88.6	1017.4	1.6	5.1	N
25	-5.2	-6.1	-4.0	-0.3	-0.1	0.2	0.8	2.6	3.6	90.0	1010.3	0.8	2.2	N
26	-3.3	-4.1	-2.5	-0.2	0.0	0.3	0.7	2.4	3.5	95.8	1002.0	1.6	3.3	N
27	-3.1	-3.8	-2.6	-0.1	0.0	0.3	0.7	2.3	3.5	92.9	995.2	2.6	3.5	NØ
28	-3.0	-4.0	-2.2	-0.1	0.1	0.4	0.7	2.3	3.5	93.5	990.9	3.3	4.2	N
29	-5.7	-8.1	-4.1	-0.1	0.1	0.4	0.8	2.4	3.5	85.2	992.5	3.7	5.2	N
30	-13.5	-23.4	-8.1	-0.1	0.1	0.4	0.8	2.5	3.4	79.6	1001.5	2.5	5.0	N
31	-21.2	-26.4	-14.7	-0.1	0.1	0.4	0.8	2.5	3.3	84.9	1004.9			Ø
Mid.	-7.6	-10.7	-5.0	0.3	0.5	0.8	1.2	2.9	4.0	90.4	1013.9	1.8	3.3	

Høyeste temperatur: 2.0

Laveste temperatur: -26.4

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			
	Global	Diffus	Balanse	UV	Blå	Grønn	Rød	IRød	Par				
01	0.46	0.47	-0.32	8.4					1.1	0.86	-0.33		
02	0.32	0.33	-0.21	8.3					0.8	0.82	-0.33		2.8
03	0.24	0.23	-0.02	10.1		52.2		37.7	0.6	0.83	-0.33		0.8
04	0.22	0.23	-0.25	10.1		53.4		36.6	0.6	0.81	-0.33		0.1
05	0.64	0.65	-0.48	8.2		49.2		42.6	1.5	0.82	-0.33		1.9
06	0.38	0.39	-0.59	8.9		45.8		45.3	0.9	0.80	-0.32		1.2
07	0.50	0.51	-0.47	7.8		47.3		44.8	1.2	0.82	-0.42		
08	0.79	0.76	-0.51	7.6		46.2		46.2	1.8	0.90	-0.32		0.0
09	1.24	1.11	-1.30	5.6		10.4		84.0	2.6	0.61	-0.42		0.1
10	1.16	1.09	-1.36	5.9		13.1		81.1	2.5	0.81	-0.48		0.3
11	0.78	0.78	-0.01	7.6		39.7		52.8	1.9	0.59	-0.46		0.2
12	0.84	0.67	-0.49	7.7		21.8		70.5	2.1	0.99	-0.43		0.1
13	0.78	0.77	-0.14	7.3		40.5		52.2	1.7	0.60	-0.42		
14	0.32	0.32	-0.20	8.9		48.3		42.8	0.8	0.77	-0.39		
15	0.52		-0.55						1.6		-0.35		0.4
16	0.49		-0.88						1.5		-0.34		0.2
17	1.11	0.70	-1.56	5.8		12.7		81.6	2.4	0.84	-0.35		0.0
18	1.01	0.71	-0.68	6.3		17.9		75.8	2.3	0.87	-0.37		0.0
19	0.68	0.56	-0.22	5.5		32.8		61.6	1.4	0.68	-0.37		0.0
20	0.50	0.49	-1.21	9.5		58.3		32.2	1.2	1.00	-0.35		0.0
21	1.50	0.51	-0.80			11.0		85.4	2.2	0.65	-0.35		
22	1.01	0.65	-0.26	5.5		17.1		77.4	1.9	0.58	-0.46		
23	0.60	0.57	-0.57	8.6		44.6		46.7	1.3	0.75	-0.38		0.4
24	0.97	0.68	-0.81	6.1		11.0		82.9	1.9	0.63	-0.38		
25	0.44	0.45	-0.16	8.6		49.9		41.6	1.1	0.73	-0.35		
26	0.31	0.31	-0.05	10.3		56.2		33.6	0.8	0.76	-0.33		0.2
27	0.30	0.29	-0.10	11.1		55.3		33.6	0.8	0.94	-0.31		1.7
28	0.37	0.38	-0.11	7.6		43.0		49.4	0.9	0.80	-0.31		
29	0.70	0.70	-0.49	7.6		45.9		46.5	1.6	0.87	-0.29		
30	1.00	0.64	-2.11	6.5		19.9		73.6	2.1	0.99	-0.29		32.0
31	1.12	0.95	-0.03	5.4		39.1		55.5	2.3	0.51	-0.29		
Sum	21.3	16.9	-16.9						47.2		-11.18		42.4
Mid.	0.69	0.58	-0.55	7.7		36.4		56.1	1.5	0.78	-0.36		

Normal nedbør (1931-60): 72 mm

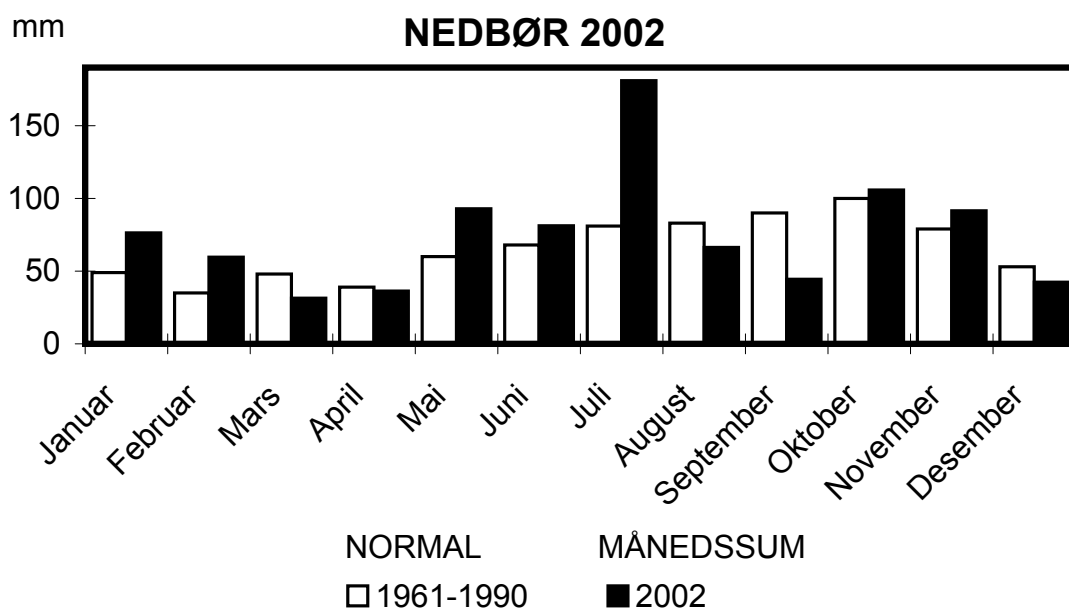
* Når innstrålingen er lav er usikkerhet i spektralstrålingen stor

Normal nedbør (1961-90): 53 mm

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

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

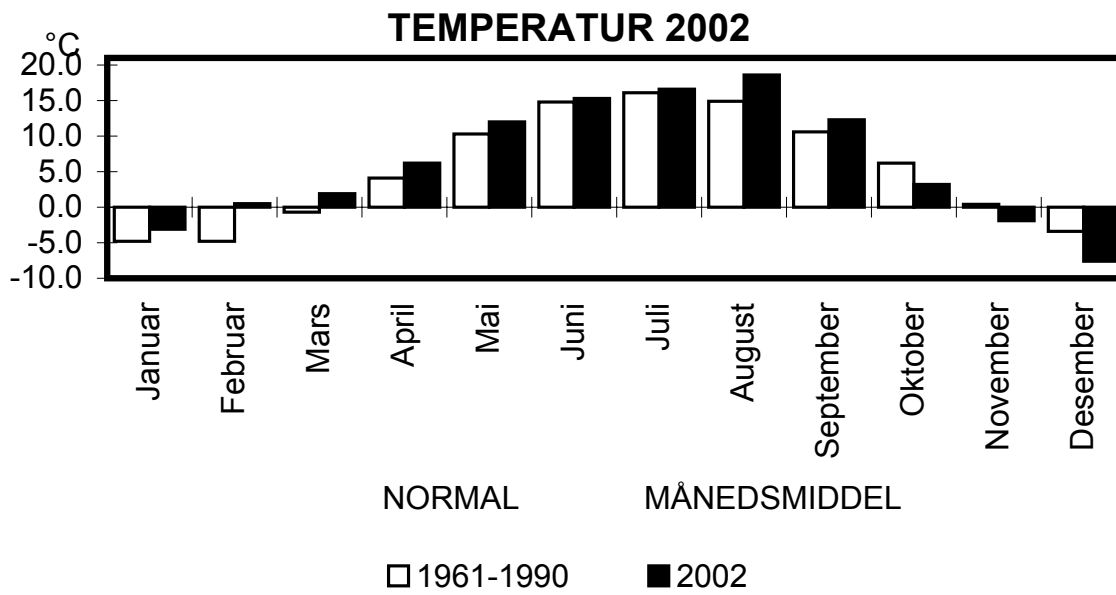
Måned	Nedbør mm	
	1961-1990	2002
Januar	49	76.3
Februar	35	59.6
Mars	48	31.4
April	39	36.3
Mai	60	92.9
Juni	68	81.2
Juli	81	181.0
August	83	66.3
September	90	44.4
Oktober	100	105.8
November	79	91.5
Desember	53	42.4
Året	785	909.1



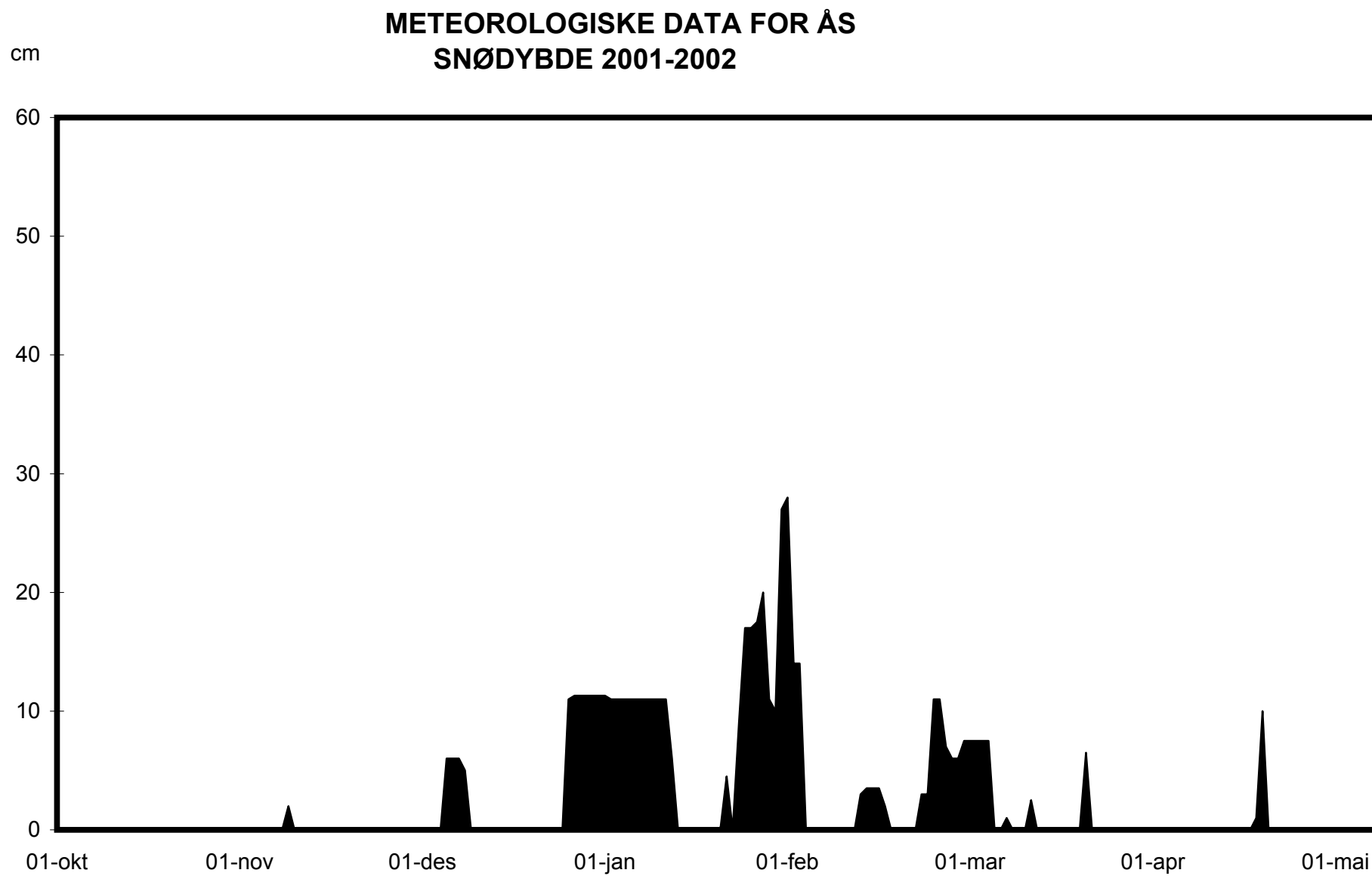
Figur 1.

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

Måned	Temperatur °C	
	1961-1990	2002
Januar	-4.8	-3.1
Februar	-4.8	0.5
Mars	-0.7	1.9
April	4.1	6.2
Mai	10.3	12.0
Juni	14.8	15.3
Juli	16.1	16.6
August	14.9	18.6
September	10.6	12.3
Oktober	6.2	3.2
November	0.4	-1.9
Desember	-3.4	-7.6
Året	5.3	6.2



Figur 2.



Figur 1.