α g		α Lacerta		Aquila[?]	
47	29	47	29	47	29
32	14	5	37	28	24
15	15	41	52	19	5
342	45	318	9	340	95
47	29	47	29	47	29
10	14	8	27	6	1
37	15	39	2	41	28
322	45	320	58	318	32
[illegible]		α Aq		[illegible]	

1841. I

1841 Januarius

												N	S	
Die 10a ☉	α Cassiop.	45.[illegible]	57.6	14.4	28.3	43.1	33	8.10.46	48	50	50	27.0	24.1	45.7
		54	59	4	9	14								
	α Ursae	7.7	29.5	20.5	26.5	37.0			5	7	6	6	28.0	23.8	46.0 27.416 +0.1 −6.0
		58	0	8	10									
	minoris	32.0	27.5	32.0	26.5			40.58.12	11	11	12	27.0	24.9	45.9
		$f = 6^h 6' 51''$		+32.9	−32.6				6	7	8	8	28.1	23.9 46.0
		$S = 1\ 27\ 30$		30.2	34.9									
	Stella polaris maxime [illegible] fuit								5	7	8	8	27.8	24.0 46.9
	et nimis [illegible]								12	11	12	11	26.8	25.4 45.6
	α Arietis	38.6	48.1	56.9	5.3	14.6	0	335.13.50	50	53	52	27.0	25.2	45.8 27.417 ±0.0 +5.6
	α Ceti	25.2	34.0	42.2	50.2	58.5	55	315.59.33	37	37	33	28.0	24.2	45.9
	α Persei	19.6	32.7	45.3	57.1	10.0	15	1.48.24	27	28	28	29.0	23.7	45.9 27.417 −0.4 −5.3

Die 10. Januarii $a = +1''.199$ $b = -0.151$ Seyf. $2^h 11'$ $x = -1' 42''.832$ Fertb. $6^h 7'$ $x = -1' 11''.64$

Die 26a ♂	α Aurigae	55.8	6.6	19.6	30.8	43.0	7	+						
	β Orionis	58.1	6.7	14.9	23.1	31.4	9	304.8.47	52	48	49	27.0	28.0	45.9
	β Tauri	17.4	27.4	34.5	45.4	55.4	18	340.59.18	20	20	20	27.0	28.0	45.9 27.573 −2.1 −5.3
	α Orionis	39.0	47.4	55.6	3.6	11.9	49	319.54.2	2	59	59	26.0	29.0	45.6
		20	23	25	27	30								
	δ Ursae min.	47.0	9.0	25.0	39.5	3.5			34	32	31	32	26.0	29.1 25.58
		22	23	27	29									
		42.5	4.0	15.0	6.0			45.54.20	22	22	22	26.0	28.8	16.20.45.9
		$f = 10^h 12' 9''$		+35.0	−32.9				26	26	25	26	26.0	29.0 18.20
		$S = 6\ 37.20$		31.5	36.2									
									30	30	29	28	25.9	29.0 20.47.45.6
									32	30	32	30	26.0	29.0 27. 4.45.4
														~~25. 58~~

$a = +0.555$ $b = -0''.089$ Seyf. $5^h 37'$ $x = -2' 19''.86$ Acc. $2''.29$

Fertb. $10^h 12'$ $x = -1' 2''.02$ Ref. $0''.59$

												N	S	
	α Can. maj.	12.6	21.4	30.1	38.7	47.4	40	296.2.36	36	34	34	26.5	28.5	45.4 27.519 −2.2 −5.5
		54	59	4	9	15								
27 / 8 / 7	α Ursae	26.0	42.0	53.0	50.0	5.7								
		58	0	8	10									
	min.	47.3	42.0	55.5	47.0			$S = 9^h 13' 59''$						
								$S = 5\ 43\ 5$						
	α Ariet.	18.3	27.3	36.1	44.6	53.6	0							
	α Aurigae	58.3	10.6	22.4	33.7	45.7	7	S =						
	β Orionis	1.1	9.8	18.0	26.1	36.1	9							
31 ☉	α Aurig.	8.4	21.0	32.3	44.1	52.3	7	$S = 6\ 16\ 7$						
	β Orion.	11.1	20.0	28.3	36.2	44.4	9	$S = 9\ 31\ 5$						
	β Tauri	30.5	40.3	49.4	58.6	8.1	19							
		20		25	27	30								
	δ Ursae	59.0	Nub.	33.0	54.0	18.0								
			23	27	28									
	minor.	Nub.	50.5	26.7	21.5	~~[illegible]~~								
		25.7	34.4	43.2	51.1	59.9	40							
		54	0	5	10	15								
17 Febr.	δ Ursae	59.9	20.5	25.0	26.0	39.0		$S = 6^h 36' 10''$						
		59	1	9	11									
	minoris	25.0	27.5	30.5	17.5	[illegible]		$S = 8\ 43\ 17$						
	β Tauri	18.5	28.3	37.5	46.3	56.0	19							
	α Orionis	39.6	48.3	56.4	4.5	12.8	50							
		~~46~~	24	26	28	31								
	δ Urs. min.	56	15.0	38.5	46.6	10.0								
			24		28	29								
		—	40.0	—	22.0	12.0								
	α Canis min.	13.6	22.6	31.2	39.3	48.1	41							

$a = +1.122$

Seyf. $4^h 6'$ $x = -2\ 22.80$ Acc. 3.14

Fertb. $9^h 14'$ $x = -1' 2''.07$

$a = +0''.9$

Seyf. $5^h 34'$ $x = -2' 33''.117$ Acc. $2''.54$

Fertb. $9^h 31'$ $x = -1' 0''.28$ Ref. $0''.44$.

$a = +0.32$ $b = -0''.089$

Seyf. $5^h 57'$ $x = -3' 20''.84$ Acc. d. $2''.80$

Fertb. $8^h 43'$ $x = -0' 50''.63$ Ref. dir. $0''.57$

N S

Februarii	β Tauri	22.7	32.6	42.0	51.0	0.5	20	
~~20~~ 19	α Orionis	44.6	52.7	1.0	9.2	17.6	50	a = +0.521 5h 57' x = − 3' 25.707 Acc. diur. 2.43
	δ Ursae min.	—	24 21.7	26 34.5	28 53.3	31 16.0		F = 8h 33' 49" Seyf. 8h 24' x = − 0' 49.05 Ret. d. 0.79. S = 6 34 40
		22 57.3	24 46.0	28 27.5	29 18.0			
	α Can. maj.	18.5	27.1	35.7	43.9	52.6	41	F = 8h 29' 53" S = 6 34 45
20.	β Tauri	25.3	35.1	43.9	53.6	2.6	20	
	α Orionis	46.6	54.3	3.1	11.6	19.7	50	a = +0.683 5h 57' x = − 3' 27.95 Acc. diur. 2.243
	δ Ursae min.	22 1.0	24 23.0	26 35.0	28 52.5	31 14.3		Fertb. 8h 30' x = − 48.20 Ret. diur. 0.85
		23 58.0	24 45.5	28 26.0	29 18.0			
	α Can. maj.	20.4	29.3	37.7	45.8	54.6	41	
26.	β Tauri	38.6	48.2	57.6	6.6	15.9	20	b = −0.089 a = +0.617 | S. 6h 33' 53" F. 8 5 10
	α Orionis	59.5	8.6	16.6	24.6	33.0	50	5h 57' x = − 3' 41.457 Acc. diur. 2.251
	δ Ur. min.	22 15.5	24 37.5	26 52.3	29 10.5	31 33.3		Fertb. 8h 5' x = − 0' 43.97 Ret. diur. 0.707
		24 13.0	25 5.0		28 48.0	29 36.0		Meridies 27a = 0h 0' 43.41
	α Can. mj.	34.3	42.8	51.6	59.4	8.6	42	
27 ♃	α Orionis	2.6	11.1	18.1	27.0	35.3	50	F = 8h 1' 25" + 30.8 − 32.9 S = 6 34 6 + 29.5 34.3
	δ Ursae min.	22 21.0	24 42.0	26 56.5	29 14.0	31 36.0		
		24 17.5	25 8.0	28 48.0	29 47.0			a = −0.157, b = −0.237, c = −0.237 } Seyf. 7h 5' x = − 3' 43.118 Fertb. 8h 1' x = − 42.68.
	α Can. maj.	36.4	45.1	53.7	2.0	10.8	42	
	α² Gemin.	33.1	3.5	12.9	22.4	32.4	28	
	α Can. min.	27.5	36.2	44.1	52.6	0.6	35	

N S

	β Gemin.	2.3	11.7	21.2	30.3	39.9	39		F = 7h 37' 45" S = 6 34 20
Die 5a ♀	α Orion	16.4	25.1	33.2	41.6	49.7	50		
	δ Urs. min.	22 31.0	24 59.8	27 12.5	29 30.5	31 52.5			a = −0.185 b = −0.196
		24 36.3	25 23.0	29 5.0	29 57.0				Seyf. 6h 57' x = − 3' 57.422 Ac. 2.388 Fertb. 7 38 x = − 0' 39.23 Res. 0.61
	α Urs. maj.	50.5	59.6	8.2	16.5	24.6	42		
	~~α Gemin. minor~~ Can. min.	41.6	50.3	58.6	6.6	14.6	35		
	β Gemin.	16.3	26.2	35.1	44.1	53.9	39		W 29.3 O 34.0 30.9 31.9
Die 6a ♄	α Ursae min.	55' 23.5"	0 39.5" 59" 49.0	1' 45.0"					
Die 7a ☉	α Ursae minor	55' 35.2"	0' 44.9 59 53.0	} axe ~~[illegible]~~ Ost					W = 30.7 O = 31.8 28.9 33.2
				~~10' [illegible]~~ 9' 30.1	10' 45.5 11' 39.2	15' 58.8	} West		W 28.2 O 33.0 30.1 30.9
Die 9a ♂	α Urs. min.	55 25.2	0' 43.7 59 48.5	≥ 1' 42.0			~~Ost. West~~		W = 30.4 O 31.0 29.1 32.1 } Kreis W.
	δ Urs. min.				10 53.3 9' 58.0	16 14.5 11 50.2	} Ost.		W 29.6 O 31.0 W' 27.1 O' 33.2 } Kreis
	δ Urs. minor unt.	22' 15.8	24 39.4 24 14.4	25 6.0	29 57.0 29 32.2	32 17.1 30 20.0			W = 9.1 O 57.2 ‖ W 41.6 O 19.7 W' 14.8 O' 46.0 ‖ W' 39.9 O' 21.9
	δ Urs. min. ob.	22 36.65	24 55.4 24' 33.5	25 20.35	30" 14.5	32 38.0 30 39.0			W 39.4 O 22.8 W 18.9 W 43.3 W' 42.3 O' 19.9 12.0 50.6

Meridies 8a = 0h 0' 38.2

x = 0.0344

31.5 30.0
35.5 40
7.0 19

31.0 48.0 40.0
35.5 51.0 44.8
39.0 51.0 50.0
15.4 52.0 134.8
2.0 44.9
3.0

44 41 34 54
49 46 38 59
53 49.5 41 4
54.9 51.5 44 27
0.5

27 42 41 27
25.5 48.5 44.5 36
29 55 47.5 42
55 25.5 53.7 48
6
17.5

52 51 44
58.5 55 50
3.5 0 56.5
24.9 16 0.5

59.5

N S

1,057

1,047

1' 27.0
3 12.75
1 28.50
3 11.75
1 28.25
2 10.75

1,052

1,089

1,055

1,066

7.

4,393

31,456

4,434

4,425

21908

4,322

II III IV V VI 0.5
58 52 46 48 38
64 56 51 51 45 8.0
66 58 53.5 54 48
69 62 57 58.5 51.5 175
17 2' 27 75 11'5 12' 22.5 4.4

44
47
49
51
31 47.7

78.53 17.2

12 | 5.75 | 4793

N S

σ Leonis 4.

c Leonis 4.5

3 Virg. 3.4

11 12 58 | 47 29 = 11 22 14 | 47 29 = 11 41'
5 13 | 6 54 | 5 13 | 2 8
11 18 11 | 40 35 | 11 27 27 | 49 32
319 25 | 310 24

12 11 49 | 47 29
5 13 | 0 13
12 17 2 | 47 16
312 45

4.6 4 18 5 = 4.6

4 29 = 4.7

β Leonis 337 59
γ Virg. 7° 5'!

13 26 13 | 47 29
5 13 | 7 45
13 31 26 | 55 16
304° 44'

ψ Virg. α Virg. 302° 12

12 31' { 47 29 / 7 32 / 55 1 / 46 / 55 47 / 304 83

12 46 8 | 47 29
5 14 | 8 41
12 51 22 | 56 9
303 51

7 37 | 7 43
47 29 | 47 29
55 5 | 55 12
304 55 | 304 49

	Sternwarte b	i	e	Sattler	Großstaab b	i	N H e	S M e	
13	27.431	+13.5	+13.2	27.479	27.575	+14.0	+13.2	+15.9	− 0.048
	27.427	+13.6	+12.9	27.480	27.576	+13.8	+13.0	+15.9	− 0.233 x
	~~27.415~~	~~+13.9~~	~~+12.4~~			~~+13~~	+12.9	+15.7	− 0.052 x
	27.415	+13.9	+12.4	27.467	27.560	+13.8	+12.0	+14.8	− 0.052 x
	27.410	+13.9	+13.5	27.462	27.554	+13.9	+13.1	15.9	− 0.042
	27.410	+14.0		27.452	27.543	+14.0			− 0.048
	27.426	13.9	+ 8.9	27.474	27.569	+13.8	8.9	10.9	− 0.039
	27.420	12.9		27.459	27.551	+12.5			− 0.050
	27.421	+12.4		27.471	27.565	+12.2			
				Tost. 8.8 R. 8.8 C. 10.9	8h ~~Ab~~				
14	~~27.477~~	~~+12.6~~			27.653	+12.2	27.544		
15	27.532	+12.0		27.562	27.674	+11.9			− 0.030
	27.535	+12.1		27.577	27.692	+12.0			− 0.042
	27.537	+12.1		27.601	27.721	12.1			− 0.064
	27.538	+12.1		27.598	27.716	12.1			− 0.050
	27.540	+12.1		27.600	27.720	12.1			− 0.060

13.

78.53

D. 14 Mai Vormittags

		Sternwarte				w. W. — No 1. Hof der Brunnmaschine			N S
~~9~~	~~0~~	~~27.475~~	~~+12.6~~	~~+12.7~~					
9h	15'	27.476	12.7	+13.16		27" 11.64	15.2	15.7	In der Nähe Sonnenschein.
	30	27.478	+12.9	+13.58		11.47	15.4	15.7	
	45	27.480	+12.9	+13.86		11.46	15.0	15.5	
10h	0'	27.480	+13.0	+14.06		11.54	15.0	15.7	
	15	27.480	+13.1	+14.38 *		11.640	15.0	15.6	
	30	27.480	+13.2	+14.94		11.73	15.1	15.9	
	45	27.478	+13.2	+15.34		11.75	15.1	16.5	
11	0	27.473	+13.3	+15.40		11.76	15.9	16.9	
	15	27.470	+13.4	+15.84		11.86	16.2	16.5	
	30	27.472	+13.5	+14.42	Anfang des Windes nach NW.	11.67	15.3	15.9	
	45	27.467	+13.5	+14.00		11.72	15.3	15.8	
12	0	27.468	+13.5	+14.90		11.62	15.1	15.6	
Nachmittags									
1h	0'	27.455	+13.5	+13.60					
	15	27.450	+13.5	+13.84					
	30	27.448	+13.5	+13.58		27 11.39	14.5	15.1	
	45	27.448	+13.5	+13.40		11.44	14.5	14.8	
2	0	27.449	+13.5	+13.54		11.46	14.5	14.9	
	15	27.445	+13.5	+13.40		11.36	14.5	14.7	
	30	27.448	+13.5	+13.40		11.47	14.4	14.6	
	45	27.448	+13.5	+13.40		11.42	14.2	14.6	

Mai Nachmittags

N S

3h 0	27.449	+13.6	+13.46 *	27	11.34	14.1	14.5
15	27.452	+13.5	+13.20		11.36	14.0	14.3
30	27.453	+13.5	+12.96		11.41	13.9	14.1
45	27.452	+13.5	+13.14		11.44	13.9	14.2
4 0	27.451	+13.5	13.06		11.37	13.8	14.1
15	27.450	13.5	12.98		11.44	13.7	14.0
30	27.450	13.4	12.72		11.51	13.5	13.8
45	27.450.	13.4	12.72		11.58	13.5	13.7
5 0	27.450	13.3	12.84		11.47	13.6	13.9
15	27.454	+13.3	12.80		11.41	13.5	13.7
30.	27.457	+13.3	12.52		11.49	13.3	13.5.

Stand des Wassers 9' 1".

Stand des Barometers gegen den Nullpunct tiefer um:

Vom Nullp. bis auf das Niveau des heutig. Wasserstandes 2° 3' 3". W. M.

Aus der Vergleichung der Barometer ergibt sich, beyde auf 0° R. reducirt:

	Sternwarte	Sattler	Differenz	
Mai 13.	27."376	27."393	−0.017	−0."0178
	27.352	367	−15	
	27.369	389	−20	
	27.368	382	−14	
	27.372	395	23	
Mai 15.	27.485	27.487	−0.002	−0.0204
	487	502	−15	
	489	525	36	
	490	513	23	
	492	524	32	

Im arithmetischen Mittel erfolgt daher

Barom. Sternw = Sattler − 0."0191

= Sattler − 0."229

	Sternwarte	Therm.		Wassermaschine	Temp.		Sterngasse
1	27.425	+13.4	+12.8	. . . 27.876	+15.5	68.465	27.443
2	426	12.8	13.2	861	15.5	66.001	444
3	428	13.2	13.5	862	15.3	65.917	446
4	427	13.5	13.8	869	15.5	67.308	445
5	427	13.8	14.1	877	15.4	68.555	445
6	426	14.1	14.6	27.884	15.7	69.900.	444
7	424	14.6	15.0	886	16.0	70.775	442
8	420 (418b)	15.6	15.1	882	16.7	70.858	438
9	416 (415)	15.1	15.5	889	16.3	72.588	434
10	417	15.5	14.1	878	15.7	70.327	435
11	412	14.1	13.7	27."882	15.6	71.930	430
V. 12	413	13.7	14.6	875	15.4	70.562	431
N. 13	393	14.6	13.2	859	14.9	70.958.	411
14	393	13.2	13.0	863	14.6	71.478	411
15	394	13.0	13.1	865	14.7	71.814	412
16	390	13.1	13.0	27.857	14.5	71.056	408
17	393	13.0	13.0	866	14.4	71.948	411
18	393	13.6	13.0.	863	14.4	71.445	411
19	393	13.0	13.1	857	14.3	70.537	411
20	397	13.1	12.8	859	14.1	70.152	415
21	398	12.8	12.6	27.864	13.9	70.690	416
22	397	12.6	12.7	867	14.0	71.427	415
23	396	12.7	12.7	861	13.9	70.505	414
24	395	12.7	12.6	868	13.8	71.780	413
25	395	12.6	12.3	27.875	13.6	72.800	413
26	395	12.	12.3	27.881	13.5	73.687	413
27	396		12.4	871	13.7	72.030	414
28	400		12.4	866	13.5	70.592	418
29.	403.		12.1	874	13.3	71.208.	421

N S

Mittel aus allen 29 Höhenbestimmungen:

toisen

H = 70,5963t oder

= 72.573 Wr. Klaftern

.024
12
48
24
288

3.438

876
438

72° 3' 5"; Barom

3 4. 0° Scala.

75° 3'. von 0° Scala bis mittl Wassersp.

78.5