

1846 II.

B

Octob.		52	58	3	8	13		
22.	α Urv. min.	54.0	5.7	12.6	22.5	52.3	13	
		55	57	—	9	11		
		8.8	18.7		18.0	31.9		

Proxima Veneris ^{gocentri} (22° 57' 32.12" L. m. B.)
 $\alpha = 10^h 7^m 10.06$ (Red. L. II - 0".33).
 $\delta = -5^\circ 35' 39.7$ (par. hor. + 4".16).
 Errory ephem. *Heron*.
 $\Delta\alpha = +0".64$, $\Delta\delta = +0".9$.

Veneris L. II.	26.3	34.6	43.2	51.3	59.6	4	13
24. Solis L. I	17.2	26.0	34.4	42.6	51.0	50	13
	L. II	29.5	38.2	46.6	54.8	3.4	59
α Bootis.	54.2	3.4	12.0	20.7	29.5	6	14

27. fr
 fi
 fr
 fi
 fr
 fi

+ 22.2 - 23.7
 23.3 22.4

γ Aquila	9.7	18.5	26.8	—	43.7	36	19
α —	29.9	38.6	46.8	55.0	3.3	41	19
β —	58.7	7.5	15.7	23.8	31.9	45	19

				Med.	L.	N	S	P	L	e	i	II
13.	59.	9	10	10	12	10.25	+ 2.42	16.0	20.3	+ 17.02	114.	8 (43° 59' 29.35)
	10	11	11	12	11.00	2.88	15.7	20.8	14.75	115.	37	
	12	12	12	14	12.50	4.23	14.4	21.2	12.00	117.	18	
	15	14	15	16	15.00	4.62	14.0	22.2	9.67	118.	53	
	21	21	22	22	21.50	4.62	13.9	22.1	3.57	114.	20	
	25	25	24	26	25.00	4.62	13.9	22.1	27.462	+ 13.6	+ 13.20	59. 40
	30	30	27	27	4.23	14.3	21.8					Centr.
	30	31	31	31	2.48	15.6	20.0	27.452	+ 14.2	+ 13.80	51.	10 L. B.
	32	32	31	31	2.54	15.5	20.0		+ 14.02			
	32	32	32	32	+ 0.55	18.0	19.0					
	38	2	2	3	+ 2.80	15.1	22.0					
	35	33	32	34	+ 0.66	17.9	19.1					
	38	4	2	4	+ 2.98	15.9	21.3					
	35	33	32	34	+ 0.55	18.0	19.0					
	38	1	1	2	+ 3.14	15.9	21.6					
	32	35	36	36	+ 2.98	15.9	21.3					
	32	3	5	5	+ 3.09	15.9	21.5					
	31	48	46	48	+ 2.76	16.1	21.1	27.580	+ 12.9	+ 9.62		

Octob.

27. d' Capricor.	20.3	29.5	37.6	46.0	-	6
d ² —	25.4	33.1	41.5	49.7	18.1	7
Luna L. II.	17.5	26.5	35.3	43.8	52.7	19
α Cygni	17.3	29.7	41.0	52.3	3.7	34
α Cephei	48.0	6.5	24.0	40.8	58.3	12
β Cephei	19.5	15.1	8.5	32.0	55.7	
	29.7			45.4		21
Planeta Leverr.	37.3	46.0	54.4	2.6	11.1	49
α Aquarii	7.0	15.7	23.6	31.6	40.0	56
α Disc. austr.	20.5	30.2	39.7	49.1	58.6	47
α Pegasi	19.7	28.3	37.0	45.3	53.8	54
α Androm.	39.5	49.2	58.2	7.5	16.9	58
γ Pegasi	35.5	42.5	50.7	58.9	7.6	3
α Capriopetae	51.5	6.8	21.3	35.6	50.0	29
Urani Centr.	9.2	17.5	26.0	34.0	42.1	40
α Musae min.	51	35.7	4.0	13.5	25.0	12
	53	56.0	56	11.0	8	12.0
					10	21.0

Positio adparens Planet. Leverr:
 $7^h 28' 34.49$ l. m. B.
 $\alpha = 21^h 51' 26.34$ $\delta = -13^{\circ} 33' 44.19$
 Positio adparens Uranii:
 $10^h 19' 38.04$
 $\alpha = 0^h 42' 58.10$ $\delta = +3^{\circ} 51' 19.07$ ($\pi = +0.23$)
 aberr. $-2^h 36' 35.41$
 $dx = -9.45$ $dy = -52.86$

299.30.53	52	52	54	+2.26	16.9	21.0	27.583	+12.8	+9.44
297.24.21	18	20	20	+2.31	16.8	21.0		+9.06	20. h3
297.14.31	32	32	35	+3.20	16.0	21.8		+8.64	
11.26.30	29	29	31	+1.87	17.1	20.5	27.586	+12.6	+8.60
22.23.23	22	24	26	+2.20	16.9	20.9		+8.44	
298.57.59	56	58	59	+2.20	17.0	21.0	27.585	+12.5	+8.42
311.27.37	37	37	37	+1.60	17.4	20.3		+8.42	
282.18.20	20	21	20	+2.42	16.7	21.1	27.588	+12.3	+8.00
326.53.45	47	45	48	+1.49	17.7	20.4		+8.04	
340.45.11	14	12	13	+2.37	16.9	21.2	27.590	+12.0	
226.50.39	40	40	44	+1.49	17.9	20.6		+7.82	
8.11.49	50	50	53	+2.59	17.9	21.7	27.590	+11.9	+7.98
316.22.10	14	12	13	+2.81	16.8	21.9		+7.92	
40.58.36	54	53	58	+0.77	18.5	19.9	27.590	+11.9	+7.90
59.8.8	8	9	11	+0.99	18.2	20.0			45 19
7.7.8	7	8	10	+0.94	18.3	20.0			47 11
5.7.5	7	7		+0.88	18.4	20.0			48 52
57.57.57	60			+0.72	18.6	19.9			55 25

L. A.
 Punctum aequatoris
 e Jelliv. fundam.
 $312^{\circ} 30' 1.91$

October
 28^o α Urs. min. 52' " 58 3 8
 44.5 1.0 6.5 15.0 — — 13
 54 57
 58.5 11.0 — 9 11 26.5

α Virginis. 16.3 25.3 32.5 41.3 50.2 14 13 33.5
 α Bootis. 17.7 57.1 5.6 11.0 22.6 6 14
 29. Solis I 21.2 33.3 11.5 19.9 58.4 9 14
 II. 37.6 46.5 54.8 3.2 11.7 12
 α Mercurii I 34.3 43.4 52.1 0.5 9.3 2 15
 α Coronae bor. 18.1 27.7 36.9 46.0 55.4 25 15
 α Herculis. 17.7 56.7 5.2 13.4 21.8 5 17
 α Ophiuchi. 57.7 6.6 14.8 23.0 31.6 25 17

fh
 fi
 fh
 fi
 fh
 fi

Partis adparens Mercurii
 0^h 34^m 48.83.
 $\alpha = 15^{\circ} 4' 25.90$ ($\frac{1}{\text{and}} = +0.16$)
 $\delta = -18^{\circ} 40' 10.48$ $\pi = +5.67$, quare
 geoc. $\delta = -18^{\circ} 40' 4.81$
 (Aberr. 11' 26.90)
 $d\alpha = +2.94$ $d\delta = -11.12$

+22.4 - 24.0
 +20.7 - 22.6

	W	S	D	L	E	I	II
48° 59' 21" 20" 20" 23"	+4.67	15.7	23.0	27.710	+11.8	+8.06	
59' 3 2 2 5	+4.29	16.1	22.8				44 29
7 7 7 10	+4.41	16.0	22.9				46 27
9 9 10 12	+4.54	15.9	23.0				48 20
11 11 11 14	+4.54	15.9	23.0				49 51
19 18 18 21	+4.54	15.9	23.0				56 16
302 10 1 0 0 59	+4.22	16.0	22.6			+ 8.34	
332.29.29 31 29 31	+4.35	15.7	22.5				
298. 50.37 36 37 36	+2.56	17.0	21.0	27.711	+12.3	+ 9.40	10. 21 L. A.
293 51 59 58 56 56	+2.30	17.0	20.6	27.716	+12.6	+10.08	Centr.
339 44 28 31 32 32	+4.16	15.5	22.0			+10.60	
327. 4. 57 60 58 59	+4.03	15.5	21.8	27.715	+13.1	+10.06	
325. 11. 24 27 25 29	+4.29	15.2	21.9			+10.24	
262. 55. 19 50 50 51	+2.82	16.5	20.9				
58. 17 15 18 19	+4.03	15.6	21.9				
55. 50 50 51 52	+1.92	17.1	20.1				
58. 16 16 17 18	+4.22	15.4	22.0				
55. 51 50 51 52	+1.92	17.1	20.1				
58. 16 16 17 18	+3.97	15.7	21.9				

f.h. = 262 55 52.80
 f.i. = 262 58 20.99
 Δ = 2' 28.19

Orlob.							
29	γ Aquila	7.7	16.3	24.7	32.6	41.3	36 19
	α —	27.6	36.6	44.5	52.6	1.1	41 19
	β —	56.6	5.5	13.6	21.7	29.7	45 19
	α Capricor.	18.4	27.3	35.5	43.7	—	
	α^2 —	—	51.0	59.3	7.6	16.0	7 20
	α Cygni	15.3	27.4	38.6	50.0	1.6	34 20
	α Cephei	45.5	4.4	21.5	38.6	55.9	12 21
	β Cephei	17.3	43.0	5.8	29.4	53.4	24 21
		27.7			43.4		
	β Leverrier	32.4	41.7	49.9	58.3	6.5	49 21
	α Aquarii	—	13.6	21.8	29.8	38.1	53 21
	Luna L.I	44.7	54.0	2.7	10.7	19.5	15 22
	α Andromedae	—	—	55.4	5.4	14.6	58 23
	γ Begasii	31.0	40.0	48.5	56.7	5.5	3 0
	α Cassiop.	49.3	4.4	18.5	33.2	48.0	29 0
	Uranicent.	50.6	59.5	7.6	13.7	24.1	40 0
	α Urae min.	51	36.0	57	4.5	13.5	7 19
		53	52.0	56	6.0	2.0	8 19

Posilio adparens Plante Leverrier:
 $7^h 20' 40.32$
 $\alpha = 21^h 51' 23.94 \delta = -13^{\circ} 33' 56.00$

Posilio Urani adparens:
 $10^h 12' 29.97$
 $\alpha = 0^h 42' 41.93 \delta = +3^{\circ} 49' 37.95$

$\pi = +0.28$
aberr. 2^h 37' 2.4
 $dx = -9.65 \quad d\delta = -54.72$

Luna limbi undulantes.

α Ur. min. undulans.

322	45	37	40	35	39	+3.84	15.9	21.9									
320	59	4	4	4	6	+4.03	19.7	22.0									
318	32	43	45	45	47	+3.84	15.9	21.9	27.711	+12.0	+8.76						
299	40	55	52	53	55	+3.26	16.1	21.2	27.710	+12.5	+8.44						
357	14	30	32	33	35	+3.78	16.0	21.9	27		+8.60						
14	20	28	28	27	31	+3.71	16.1	21.9	27.641	+12.3	+7.96						
22	23	25	23	23	27	+1.22	18.0	19.9			+7.96						
298	57	47	45	45	45	+3.84	16.0	22.0	27.645	+12.3	+7.96						
311	27	32	32	32	32	+3.84	16.0	22.0			+7.80						
305	30	18	15	16	16	+1.41	17.9	20.1	27.648	+12.2	+7.40	16.	14	S.A.			
340	45	13	12	11	12	+2.62	17.0	21.1									
326	50	39	40	39	42	+3.98	16.1	22.0	27.641	+12.0	+6.36						
8	11	51	51	51	54	+2.62	17.0	21.1			+6.60						
316	20	32	35	33	36	+1.22	18.2	20.1			+6.54						
40	58	57	56	55	58	+0.13	19.4	19.6	27.630	+11.7	+6.46						
59	12	12	12	14		+0.19	19.1	19.4				44	52				
9	8	8	12			0.00	19.2	19.2				46	51				
67	5	5	8			0.00	19.3	19.3				48	58				

Punctum equatoris
ex omnibus illis fundam.
 $312^{\circ} 30' 2.44$

1 1

Calobr.

30. γ Aquila	6.4	15.2	23.6	31.8	40.1	36	19
α —	26.7	35.3	43.6	51.7	0.0	41	19
β —	55.5	5.8	12.1	20.2	28.6	45	19
α Capricor.	17.1	26.0	34.5	42.7	—	—	—
α —	—	19.8	58.2	6.6	14.7	7	20
α Lygni	13.8	26.0	37.6	48.9	0.5	34	20
α Cephei	44.6	3.4	20.2	37.0	55.0	12	21
β Cephei	16.5	41.5	4.7	28.4	52.4	24	21

Nov.

1. α Urs. min.	26.6	52	58	3	8	—	13
	48.5	2.0	5.0	12.5	—	—	—
	55	57	—	9	11	—	—
	7.5	7.5	—	15.0	25.0	—	—

Veneris II	20.7	29.5	37.5	45.7	54.4	46	13
α Bootis	42.7	52.0	0.7	9.0	18.0	6	14
2. Mercurid. I	—	—	—	1.3	10.2	26	15
α Spini. I	52.7	1.7	9.8	18.1	26.6	25	17
γ Draconis	55.5	9.0	22.0	35.2	48.3	50	17

+23.1 - 25.1
25.0 25.1
Observationum navigatione propter nebulam ad terre superficiem non conspicuam.

Positio apprensus Veneris:
23° 4' 8.18 α = 13° 49' 15.97 δ = 9° 53' 25.21
($\frac{1}{\cos} = 0.33$, $\pi \text{ par} = +4.29$)

Positio apprensus Mercurii:
0° 43' 21.24 α = 15° 28' 21.51 δ = 20° 36' 25.64
($\frac{1}{\cos} = 0.17$, $\pi \text{ par} = 25.94$)

N P B L C I II

58	59	59	58	59	+0.13	19.3	19.5	55	11
322	45.37	37	36	38		16.6	22.1		
320	59.9	6	6	7		16.4	22.4		
318	52.44	15	14	17		16.4	22.4	27.599	+11.5 +6.20
299	30.59	55	56	56		19.1	20.1	27.593	+11.2 +5.50
257	14.35	55	57	57		19.2	21.6		+5.60
14	26.28	27	28	31		18.2	22.4	27.601	+10.5 +5.48
22	23.24	23	22	26		18.9	21.9		+5.40
18	16	18	18		+1.52	20.0	23.0	27.5920	+9.12 +1.32
43	59.4	2	2	4	-0.20	21.6	21.2		43.54 altitudini barometra novi 0.10 mil. addendum.
5	2	4	6		+0.40	21.1	21.9		45.34
6	4	5	7		+1.26	20.3	22.8		47.10
8	6	7	10		+1.52	20.0	23.0		48.51
17	16	15	16		+1.37	20.2	22.9		56.22
302	38.8	4	6	6	-0.56	22.2	21.1	52.430	+9.2 +2.20
332	29.27	29	29	29	+1.67	20.0	23.3		+2.20 -29.54
291	55.48	47	47	48	+0.36	21.0	21.7	753,000	+10.1 +4.06 Centra.
325	11.23	27	24	28	+1.22	20.0	22.4	752.61	+10.1 +10.4+0.9 +4.28 -40.66
4.0	46	47	49	51	+0.87	20.4	22.1	752.67	+10.4 +4.20 +4.12

Nov. 2. fh							
fi							
fh							
fi							
fh							
fi							
γ Aquila	2.6	11.3	19.6	27.7	36.0	36	19
α —	22.5	51.2	39.4	47.6	56.0	40	19
β —	51.4	0.2	8.4	16.4	25.6	45	19
α Capric.	13.1	22.0	30.6	38.7	—		
α^2 —	—	26.0	54.4	2.5	11.0	7	20
α Cygni.	9.6	22.2	33.4	44.6	56.6	33	20
α Lephei	40.5	58.7	16.2	33.0	50.5	12	21
β Lephei.	11.6	36.6	0.5	23.8	48.0	24	21
	22.3			37.6			
Plan. Lirien	24.4	33.3	41.7	50.0	58.6	48	21
α Aquarii	59.7	8.4	16.6	24.7	32.7	55	21
α Androm.	32.4	42.0	51.2	0.2	9.3	58	23
γ Pegasi.	26.0	35.0	43.4	52.0	0.0	3	0
Uranibent.	14.5	23.7	32.0	39.6	48.3	39	0

124.6^b

Positiv adhaerens Plan. Lirien.
 $7^h 4' 53.67$
 $\alpha = 21^{\circ} 51' 20.72$ $\delta = -13^{\circ} 24' 12.39$
 Urani:
 $9^h 55' 15.85$ $\alpha = 0^h 42' 11.06$ $\delta = +3^{\circ} 46' 28.65$

25.8 - 28.2
 28.0 26.1.

262.55.48	46	48	49	+0.56	20.9	22.0			
58.39	40	41	42	+1.21	20.2	22.4			
55.48	47	50	51	-0.61	22.1	20.9			
58.42	40	43	45	+0.71	20.7	22.1			
55.50	48	51	51	-1.27	22.8	20.3			
58.45	42	45	48	+0.35	21.2	21.9			
322.45.37	39	38	38	+1.52	20.0	23.0			-44.67
320.59.3	4	6	7	+1.42	20.2	23.0			-47.61
318.32.46	47	47	48	+1.37	20.3	23.0	752.40	+9.3	+2.20
								+9.3	
299.30.59	59	59	59	-0.35	22.1	21.4	752.45	+9.3+	-1'43.68
								+9.4+	+2.80
357.14.30	30	32	35	+1.15	20.8	23.1			+2.80
14.26.27	25	25	29	+1.20	20.7	23.1	752.76	+9.0	+2.72
								+8.9	
22.23.20	20	20	23	+1.10	20.8	23.0			+2.50
									+24.34
							752.76	+8.9	
298.57.33	31	31	32	+1.05	20.9	23.0	752.76	+8.9	+2.54
311.27.33	34	32	34	+0.95	21.1	23.0			-1 6.69
340.45.11	10	13	12	+0.20	22.0	22.4			-20.68
326.50.38	40	40	43	+0.23	22.0	22.5	752.40	+8.7	+1.56
								+8.6	
316 17 26 27	26	27		-2.15	24.8	20.4	752.280	+8.1	+1.00
								8.2	

Punctum aequatoris:
 $312^{\circ} 29' 58.96$.

Nov.									
2. α Ulf. min.	51.22	56.2	3.0	7	12.0	24.5			
	53.42	55.5		8	0.5	9.0			

α Ulf. min.	52.39	57.55	3.5	8	11.0				
	54.53	57.10		9	9.0	25.0			

α Virginis	10.3	19.0	27.2	35.5	43.7	14	13		
Veneris L. II	3.5	12.4	20.6	28.6	37.4	51	13		
α Bootis	41.4	50.6	59.5	7.9	16.6	6	14		
β Solis L. I	50.4	59.2	7.8	16.0	24.8	29	14		
L. II	5.2	14.2	22.5	30.6	39.4	31			
α Coronae br.	11.7	21.6	30.7	39.7	49.2	25	15		
Mercurius L. I	35.3	44.8	53.6	2.2	11.1	32	15		
γ Draconis	53.5	7.7	20.7	32.7	47.1	50	17		

Positiv apparans Veneris:
 $23^{\circ} 4' 55.72'' \alpha = 13^{\circ} 54' 0.31'' \delta = -10^{\circ} 21' 48.65''$
 $(\frac{h}{\cos \delta} = 0.33, \pi \sin z = +4.32)$

Positiv apparans Mercurii:
 $0^{\circ} 45' 12.23'' \alpha = 15^{\circ} 24' 39.67'' \delta = -21^{\circ} 3' 13.72''$
 $(\frac{h}{\cos \delta} = +0.17, \pi \sin z = +5.96)$

40	58	54	52	52	53	-1.47	24.0	21.0	752.110	+8.0	+1.24		
59	9	8	9	11		-1.91	24.7	20.8				44	24
	7	5	6	8		-1.91	24.7	20.8				46	10
	4	3	4	6		-1.81	24.6	20.9				47	58
58	57	53	55	56		-1.47	24.0	21.0				54	37
63	59	15	15	17	17	+3.24	18.6	25.1				42	44
58	59	58	57	59		+1.10	20.9	23.1				42	11
59	0	58	59	60		+1.78	20.3	23.9				44	8
	1	1	1	2		+2.79	19.2	24.8				45	54
	3	3	3	5		+3.09	18.9	25.1				47	25
	5	6	6	8		+3.24	18.7	25.2				49	18
	10	11	10	12		+3.24	18.6	25.1	751.724	+8.9	+2.56	54	2
302	10	0	1	0	0	+2.51	19.2	24.2					+1' 33.29
202	10	23	22	22	23	+0.86	20.9	22.6	751.910	+9.4	+3.22		Centrum
332	29	25	27	27	28	+2.57	19.1	24.2					-30.54
297	45	59	59	58	59	+2.26	19.4	23.9	751.710	+9.7	+3.70	29	48
										+9.4			L. B.
339	44	27	27	27	28	+3.46	18.1	24.9	751.700	+9.9	+4.58		-21.54
291	29	10	10	10	11	+2.65	18.8	24.0					Centr.
4	0	47	49	48	50	+0.97	20.2	22.1	751.380	+10.4	+3.26		+4.10

Nov.

1 h.

3. f.h.							
f.i.							
f.h.							
f.i.							
f.h.							
f.i.							
γ Aquila	1.2	9.9	18.2	26.4	34.6	36	19
δ —	21.2	29.9	38.1	46.3	54.7	40	19
β —	49.9	58.8	7.0	15.1	23.3	45	19
α Capricorn	12.0	20.7	29.1	37.4	—	—	—
α^2 —	—	44.5	53.0	1.0	9.7	7	20
α Lygni	8.5	20.6	32.1	43.5	54.7	33	20
α Cephei	38.4	47.3	14.5	21.6	49.0	12	21
β Cephei	10.4	35.7	59.2	22.3	46.7	24	21
	20.5			35.9			
Plan. Leverrier	22.5	31.3	39.6	48.0	56.3	46	21
α Aquarii	58.6	7.3	15.3	23.4	31.6	55	21
α Androm.	30.3	40.4	49.6	58.6	8.0	58	23
γ Pegasi	24.7	33.7	42.0	50.1	58.7	2	0
α Capripuja	—	57.6	12.7	26.5	41.2	29	0

+28.0 - 25.0
25.7 27.8

Positio adparens Plan. Leverrier
 $\gamma^h o' 56.98 \alpha = 21^h 51' 20.06 \delta = -13^{\circ} 34' 16.30$
 Urani
 $\gamma 51 12.75 \alpha = 0^h 42' 3.96 \delta = +3^{\circ} 45' 40.52$

262° 55' 49" 48 49 50	+0.51	20.9	21.9				
58 47 45 48 48	+2.24	19.0	23.4				
55 49 47 50 50	+0.87	20.3	22.0				
58 47 45 47 48	+2.39	19.0	23.7				
55 49 48 50 50	+0.61	20.8	22.0				
58 48 46 50 51	+2.09	19.1	23.2				
222.45.36 37 38 38	+2.14	19.2	23.4				-44.49
20.59.5 6 6 7	+2.54	19.0	24.0				-47.42
18.32.44 46 44 46	+2.49	19.0	23.9	751.42+10.0+10.0	+3.76		-51.69
99.30.58 55 55 56	+1.12	20.4	22.6	751.39+10.0+10.0	+3.44		-1' 43" 22
57.14.30 30 31 33	+2.68	20.0	23.3		+2.40		-1.13
4.26.25 25 25 28	+1.29	20.6	23.2	751.47+9.0+9.0	+2.00		+15.16
22.23.29 22 21 26	-0.79	22.8	21.2		+2.00		+24.24
99.57.28 26 28 28	+0.89	21.2	23.0	751.43+8.7+8.7	+2.00		
311 27 33 34 34 33	+1.09	21.0	23.2		+3.00		-1' 6" 43
40.45.12 11 12 12	+1.19	20.7	23.1				-20.56
26.50.58 39 38 40	+1.98	20.0	24.0	751.63+9.0+8.9	+2.52		-38.47
2.11.49 48 49 52	+0.45	21.8	22.7		+2.40		+8.51

Punctum equatoris e felis
 fundam.
 312° 29' 58.88

Nov. 3. Uranus	6.6	15.0	25.5	31.3	39.4	39	0
	51	56	2	7	12		
α Urs. min.	24.0	52.0	4.0	7.5	22.8		
	55	55		6	10		
	42.5	58.0		0.5	6.0		

4. γ Aquile	59.6	8.6	16.7	24.7	33.3	36	19
α —	19.6	28.5	36.7	44.7	52.9	40	19
β —	48.7	57.0	5.5	13.7	21.8	45	19
α Aquiloni	10.3	19.2	27.6	35.8			
α^2 —		43.3	51.6	59.7	8.3	7	20
α Cygni	7.0	19.2	30.6	41.6	53.5	30	20
α Cephei	37.5	55.6	13.0	20.2	47.5	12	21
β Cephei	8.6	33.5	57.5	20.5	45.0	24	21
	19.3			34.8			

Saturnid. I	4.5	13.5	21.6			45	21
L. II			31.6	40.2	45		

Plan. Leverrier	20.4	29.5	37.5	46.0	54.4	49	21
α Aquarii	57.0	5.6	13.7	21.7	29.8	55	21
α Androm.	29.3	39.0	48.2	57.5	6.6	58	23
γ Pegasi	23.5	32.3	40.6	48.6	57.6	2	0

+29.0 - 26.5
+27.0 - 28.9
Pofilio adpariens Plan. Leverrier:
 $6^h 57^m 0.61^s \alpha = 21^h 51^m 19.54^s \delta = -13^{\circ} 34' 15.97''$
Saturni:
 $6^h 53^m 45.00^s \alpha = 21^h 48^m 4.39^s \delta = -14^{\circ} 56' 42.39''$

16. 16. 33	35	35	37	+0.74	21.4	22.9	7.	+2.40	Centr.
58. 55	53	53	55	-0.89	23.0	21.2	751.70+8.3+8.3+2.00		
1. 59. 8	7.	7	9	+1.09	21.0	23.2		44. 42	
6	4	6	7	+0.79	21.3	22.9		46. 35	
3	2	4	5	-0.35	22.6	21.9		48. 16	
58. 57	55	56	58	-0.50	22.9	21.9		54. 35	
22. 45. 37	38	35	37	+2.05	19.8	23.9			-44.50
20. 59. 5	6	7	7	+1.56	20.1	23.2			-47.43
18. 32. 45	45	44	47	+1.46	20.3	23.2	751.70+9.0+9.0+3.61		-51.70
99. 30. 59	58	59	59	+0.63	21.3	22.6	751.726+9.0+9.0+3.68		-1' 43.13
57 14 29	30	33	34	+1.94	20.0	23.9		+3.60	-1.13
4 26 25	24	26	28	+1.83	20.3	24.0	751.86+8.9+8.8+3.32		+15.16
2 23 21	21	21	23	+1.44	20.8	23.7		+3.32	+24.22
17 35 11	7	7	10	+0.44	22.0	22.9			Centr.
8 57 29	29	29	29	+0.39	22.0	22.8	751.80+8.5+8.4+3.20		Punctum aequilonis: 312° 29' 59.59.
1 27 35	34	35	36	+0.54	21.9	23.0		+3.20	-1' 6.41
0. 45. 10	10	12	12	+1.99	20.0	24.0			-20.64
6. 50. 44	39	40	42	+1.68	20.5	23.9	751.99+8.5+8.4+1.88		-38.61

Nov.

α Capricorni	41.5	56.5	10.7	25.3	40.0	29	0
α Utae min.	53	57	3'	8	14.0	—	13
	54	53.0	57	9.5	9	6.5	14.5

α Virginis	7.6	16.2	24.5	32.5	41.3	14	13
Veneris L. II	32.4	41.2	49.4	57.6	6.3	1	14
α Bootis	39.0	48.2	56.7	5.4	13.8	6	14
S. Solis L. I	42.5	51.0	59.7	8.3	16.7	37	14
L. II	57.5	6.5	14.8	23.2	31.5	39	
α Coronae	9.2	18.8	27.9	37.0	46.3	25	15
Mercurii L. I	36.4	—	54.6	3.5	12.4	44	15
α Cygni	18.7	57.3	6.2	14.0	22.5	25	17
γ Draconis	51.0	5.0	17.8	30.6	44.3	50	17

Positio Veneris adspiciens:
 $23^{\circ} 6' 33.98'' \alpha = 14^{\circ} 3' 31.84'' \delta = -11^{\circ} 15' 15.23''$
 $\frac{1}{\sin} = 0.33 \quad \pi \sin z = +4.36$

Positio adspiciens Mercurii:
 $0^{\circ} 49' 22.35'' \alpha = 15^{\circ} 46' 37.49'' \delta = -21^{\circ} 53' 16.16''$
 $(\frac{1}{\sin} = +0.18 \quad \pi \sin z = +8.18)$
 $+26.1 - 28.3$
 $28.1 \quad 26.1$

Signi in meridione propter
 nebulam vultu Semulans.

41	48	46	47	51	+1.88	20.3	24.1		+2.20	+8.53			
59	16	14	15	16	+3.08	19.0	25.2						
58	58	59	58	59	+1.78	20.3	23.9		43	43			
59	1	1	1	2	+2.74	19.3	24.8		45	35			
3	1	2	3		+2.99	19.0	25.0		47	8			
4	3	4	6		+2.99	19.0	25.0		48	47			
12	11	11	12		+3.04	19.0	25.1	752.944	+8.3 8.3	+1.88	56	8	
10	1	59	1	59	+2.64	19.5	24.8		+2.14			-1' 33" 89	
15	48	48	47	47	+2.94	19.1	25.0	752.930	+8.6+8.5	+3.26		Centz	
29	22	25	24	26	+3.04	19.0	25.1					-30" 67	
7	9	1	59	0	+1.64	20.2	23.6	752.860	+9.0+9.0	+3.62	37	40	L. B.
44	25	25	26	27	+3.90	18.0	25.8		+4.58			-21.60	
39	17	15	16	15	+1.30	20.4	23.0	753.630	+9.5+9.4	+4.20			
5	11	21	24	22	+3.64	17.9	25.1	752.43	+10.0+9.8	+4.52			-40.68
0	47	46	48	50	+1.83	19.6	23.2	752.38	+10.0+9.8	+4.64			+41" 20
55	49	47	48	48	+1.52	20.0	23.0						
58	31	27	28	29	+2.58	19.0	24.1						
55	49	47	49	50	+1.47	20.1	23.0						
54	23	20	22	23	+2.63	19.0	24.2						

γ Aquila	58.5	7.0	19.3	23.6	31.9	36	19
α -	18.6	27.2	35.5	43.5	51.8	40	19
β -	47.3	56.0	4.1	12.2	20.6	45	19
δ Capricor.	9.1	18.0	26.3	34.5	41.9		
α^2 -	-	41.9	58.0 7.6	7.0	7	20	
α Erynnis	6.0	18.3	29.6	41.0	52.5	33	20
α Cephei	36.5	54.6	11.9	29.3	46.7	12	21
β Cephei	7.6	32.6	56.3	19.5	43.8	24	21
Saturni L.I	6.0	44.8	23.7	33.2 4	45	21	
L.II			33.2	41.7	45		
Blanclevens	19.0	28.0	36.2	44.6	53.0	48	21
α Aquarii	55.6	4.2	12.6	20.5	28.7	55	21
α Androm.	23.0	27.6	47.2	56.1	5.5	58	23
γ Pegasi	21.7	20.8	39.4	44.5	56.4	2	0
α Capricor.	40.2	55.4	9.8	24.2	39.0	29	0
Uranus etc.	49.1	58.0	6.1	14.0	22.3	39	0

Positio apparent Plan. Leverrier.
 β 53' 4.50 $\alpha = 21$ 31' 19.30 $\delta = 13$ 34' 16.77.
 Uranus
 γ 43' 6.46 $\alpha = 0$ 42' 49.44 $\delta = + 9$ 44' 14.46
 Saturnus
 θ 49' 52.37 $\alpha = 21$ 48' 7.12 $\delta = - 14$ 56' 21.71

55. 49	46	48	49	+0.86	21.8	22.5		
58. 27	34	36	37	+2.52	19.0	24.0		
2. 45. 34	37	35	36	+2.97	18.9	24.8		-44.76
0. 59. 4	4	5	5	+3.12	18.7	24.9		-47.71
32. 43	46	44	45	+2.41	19.2	24.0	753.24 + 9.2 + 9.2 + 3.00	-52.01
1. 20. 58	55	55	56	+1.41	20.3	25.1	753.256 + 9.0 + 9.0 + 3.00	-1' 43.72
7. 14. 30	29	29	32	+2.92	19.0	24.8	+3.04	-1.13
26. 29	25	24	29	+1.41	20.3	25.1	753.210 + 9.1 + 9.0 + 2.64	+15.23
23. 21	20	20	23	+2.01	19.9	25.9	+2.36.	+24.38
35 28	27	27	26	+2.72	19.0	24.4		Centr.
				+2.57				Punctum equatoris: 312° 29' 58.95.
57 27	25	25	26	+2.57	19.5	24.2	+2.64	
27. 35	33	32	32	+2.26	19.5	24.0	753.504 + 9.0 + 9.1 + 2.64	-1' 6.74
45. 11	41	42	43	+2.06	19.9	24.0		-20.69
50. 40	41	41	43	+2.52	19.2	24.2	753.69 + 8.9 + 8.8 + 2.80	-38.71
1. 51	50	51	53	-0.15	22.3	22.0	+1.60.	+8.56
15. 8	10	9	10	+0.94	21.1	23.0	+1.44	

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