

ROYAL OBSERVATORY, GREENWICH.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE,
AND
COMPUTATIONS
OF
APPARENT RIGHT ASCENSION.

1906.

GREENWICH OBSERVATIONS, 1906.

NOTES.

The observations here printed in detail are those of the Sun, Moon, Mösting A, Planets, Fundamental, Adjustment and Moon culminating Stars.

The observations of transits are usually made by the galvanic or chronographic method, and are referred to the Sidereal Standard Clock. The wires employed are generally O, P, Q, R, S, T, U, V, W, X; in reversed order for stars S.P.; or for close circumpolar stars, one of these wires set to bisect the star at the times recorded, the corresponding readings of the Transit-Micrometer being given in the notes. Occasionally the observations are made by eye and ear (E&E), the Clock Hardy being used. The wires then employed are M, N, O, T, X, Y, Z, for quickly moving stars; O, P, Q, R, S, T, U, V, W, X, for stars nearer the pole; or for close circumpolar stars, one of these wires set to selected readings of the Transit-Micrometer given in the notes.

The reading of the Transit-Micrometer is $35^{\text{r}}.600$ to January 9 and $36^{\text{r}}.000$ afterwards, except where otherwise noted.

One revolution of Transit-Micrometer = $37''.10$ to January 9.

One revolution of Transit-Micrometer = $37''.06$ February 9 to April 2 (after repolishing the object-glass).

One revolution of Transit-Micrometer = $36''.97$ from April 26 (after re-figuring the object-glass).

The letters *d* and *r* indicate cases where a reversion-prism eye-piece was used, the apparent motion of the star being towards the left and towards the right of the observer respectively.

The observations in the reversed direction have not been used in the determination of the Clock Error.

MONTH	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Jan. 3	1	Polaris.....	RC	24.3	45.8	51.1	2.5	8.6	17.2	28.8	33.5	37.9	50.5	1. 25. 15.18	+ 6.23	19.47	37.80	18.33	18.28	.....
	2	θ Ceti.....	RC	...	...	...	...	...	...	8.1	10.6	13.0	15.2	1. 19. 0.71	(- 8.16)	0.70	19.01	18.31	[+ 0.54]	.....
	3	η Piscium.....	RC	53.2	55.4	58.2	3.5	5.9	8.6	16.1	18.8	21.4	23.8	1. 26. 8.65	(- 2.66)	8.52	26.83	18.31	.....	.....
	4	δ I L.....	RC	22.1	...	...	47.7	50.2	53.0	0.4	2.8	5.3	7.7	1. 38. 52.86		52.76	...	...	1. 40. 12.46	.....
	5	Mösting A.....	RC	49.6	52.2	54.5	59.7	2.2	4.9	12.3	15.0	17.3	19.9	1. 40. 4.91		4.81	...	...	1. 40. 12.44	.....
	6	ν Ceti.....	RC	...	...	...	...	...	...	45.3	47.9	50.5	52.8	2. 30. 38.19		38.10	56.43	18.33	.....	.....
Jan. 4	7	λ Aquarii.....	JS	7.6	10.1	12.7	17.6	20.1	22.7	29.7	32.6	35.0	37.5	22. 47. 22.72	(- 9.57)	22.66	41.33	18.67	18.16	.....
	8	λ Aquarii..... (E&E)	JS	...	23.6	39.0	54.0	8.6	23.4	...	...	...	...	22. 47. 22.36		22.30	41.33	19.03	.....	.....
	9	α Pegasi.....	E	29.3	31.9	34.5	39.7	42.2	45.0	52.3	54.8	57.3	0.0	22. 59. 44.86		44.65	3.59	18.94	18.42	.....
Jan. 5	10	δ Arietis.....	W	40.4	43.0	45.3	51.0	53.3	56.1	3.7	6.5	8.9	11.6	3. 5. 56.14		55.90	15.36	19.46	19.42	.....
	11	δ I L.....	W	56.3	58.8	1.3	6.8	9.2	12.0	19.3	22.0	24.7	27.2	3. 13. 11.92		11.71	...	...	[+ 0.50]	3. 14. 33.98
	12	Mösting A.....	W	35.4	51.0	6.7	9.2	11.6	...	...	...	...	...	3. 14. 22.23		22.02	...	...	.....	3. 14. 33.92
	13	Jupiter 1 L.....	W	34.7	37.3	39.6	45.2	47.4	50.7	58.2	1.0	3.2	5.8	3. 38. 50.47		51.81	...	...	.....	3. 39. 11.31
	14	Jupiter 2 L.....	W	38.0	40.4	42.8	48.4	50.8	53.6	...	3.7	6.4	9.0	3. 38. 53.61			...	...	.....	3. 47. 47.80
	15	Mayer 136.....	W	13.0	15.4	17.9	23.2	25.8	28.4	36.1	38.7	41.3	43.9	3. 47. 28.53		28.30	...	...	.....	.....
	16	γ ¹ Eridani.....	W	4.1	6.6	9.1	14.4	16.8	19.5	26.8	29.3	32.0	34.6	3. 53. 19.48		19.47	38.99	19.52	.....	.....
Jan. 7	17	⊙ I L.....	B	58.5	1.1	3.6	9.2	11.6	14.7	22.5	25.1	27.8	30.6	19. 9. 14.63		...	...	...	.....	.....
	18	⊙ 2 L.....	B	20.0	22.5	25.1	30.8	33.1	36.1	43.8	46.7	49.2	51.7	19. 11. 36.06		...	...	...	.....	.....
Jan. 8	19	η Tauri.....	SD	17.1	19.7	22.5	28.1	30.7	33.4	41.3	44.1	46.7	49.3	3. 41. 33.46	+ 1.48	32.95	54.11	21.16	21.05	.....
	20	γ ¹ Eridani.....	SD	2.7	5.2	7.6	13.0	15.4	18.1	25.5	28.2	30.7	33.2	3. 53. 18.12	(- 8.52)	17.85	38.96	21.11	.....	.....
	21	α ¹ Tauri.....	SD	...	...	...	42.7	45.3	48.1	55.6	58.5	1.2	3.7	3. 58. 48.05	(- 1.98)	47.55	8.63	21.08	.....	.....
	22	ω ¹ Tauri.....	SD	5.3	7.9	10.6	15.9	18.5	21.2	28.8	31.4	34.1	36.7	4. 3. 21.20		20.72	41.73	21.01	.....	.....
	23	γ Tauri.....	SD	50.9	53.4	55.9	1.2	3.5	6.4	13.7	16.4	19.0	21.5	4. 14. 6.35		5.89	27.03	21.14	.....	.....
	24	ε Tauri.....	SD	31.5	34.3	36.9	42.3	44.7	47.3	55.0	57.6	0.5	2.9	4. 22. 47.46		46.98	8.11	21.13	.....	.....
	25	ε Tauri..... (E&E)	SD	...	51.6	7.7	23.2	38.8	54.7	...	...	...	...	4. 22. 47.48		47.00	8.11	21.11	.....	.....
	26	Aldebaran.....	SD	55.7	58.4	0.9	6.2	8.7	11.4	18.8	21.5	24.0	26.6	4. 30. 11.38		10.92	32.09	21.17	.....	.....
	27	Aldebaran..... (E&E)	SD	0.8	16.3	31.6	47.0	2.3	17.9	33.6	...	...	...	4. 30. 11.34		10.88	32.09	21.21	.....	.....
	28	τ Tauri.....	SD	59.8	2.5	5.0	10.7	13.3	16.0	23.7	26.7	29.2	31.7	4. 36. 16.03		15.52	36.71	21.19	.....	.....
	29	Mayer 211.....	SD	47.5	50.1	52.8	58.1	0.7	3.3	11.0	13.6	16.3	19.0	5. 15. 3.40		2.92	...	...	5. 15. 24.08	.....
	30	115 Tauri.....	SD	5.4	8.0	10.6	15.9	18.3	21.0	28.7	31.2	33.7	36.4	5. 21. 21.08		20.60	...	...	5. 21. 41.76	.....
	31	ε Orionis.....	SD	51.4	54.1	56.3	1.5	3.9	6.5	13.6	16.2	18.7	21.1	5. 31. 6.48		6.13	27.29	21.16	.....	.....
	32	δ I L.....	SD	18.5	21.2	23.7	29.3	31.9	34.7	42.4	45.3	47.8	50.5	5. 47. 34.69		34.21	...	...	5. 49. 1.85	.....
	33	Mösting A.....	SD	...	...	...	31.6	37.3	39.6	42.7	50.4	53.1	...	5. 48. 42.59		42.11	...	...	5. 49. 1.54	.....
	34	ν Orionis.....	SD	36.8	39.3	41.9	47.3	49.6	52.2	59.6	2.2	4.9	7.4	6. 1. 52.28		51.82	13.02	21.20	.....	.....
	35	δ Ursæ Minoris S.P.....	SD	28.7	36.0	42.3	55.7	0.0	5.1	19.2	24.0	29.0	44.3	6. 1. 52.37		56.38	17.65	21.27	.....	.....
	36	γ I Orionis.....	SD	43.3	45.8	48.3	53.8	56.4	59.2	6.6	9.3	12.0	14.7	6. 8. 59.10		58.62	...	...	6. 9. 19.80	.....
	37	β Canis Majoris.....	SD	57.8	0.4	3.0	8.5	11.0	13.5	21.0	23.6	26.3	29.0	6. 18. 13.57		13.33	34.53	21.20	.....	.....
	38	ν Geminorum.....	SD	47.2	49.6	52.3	57.6	0.2	3.0	10.7	13.2	15.9	18.7	6. 23. 3.00		2.52	23.69	21.17	.....	.....
	39	γ Geminorum.....	SD	41.3	43.8	46.6	51.6	54.3	57.0	4.6	7.1	9.5	12.1	6. 31. 56.95		56.49	17.69	21.20	.....	.....
	40	γ Geminorum..... (E&E)	SD	46.3	1.9	17.4	32.9	47.7	3.7	19.4	...	...	...	6. 31. 56.95		56.49	17.69	21.20	.....	.....
	41	Neptune.....	SD	18.1	20.7	23.3	28.8	31.3	34.1	41.6	44.8	47.3	50.1	6. 37. 34.18		33.68	...	...	6. 37. 54.87	.....
	42	ε Canis Majoris.....	SD	18.9	21.4	24.6	30.3	33.0	35.8	44.2	47.0	49.7	52.7	6. 54. 35.94		35.79	57.06	21.27	.....	.....
	43	Cephei 51.....	SD	19.7	25.2	31.1	35.6	53.3	58.6	3.0	16.2	20.0	24.3	6. 56. 46.07		40.23	1.62	21.39	.....	.....
	44	γ Canis Majoris.....	SD	54.8	57.3	59.7	5.2	7.6	10.3	17.7	20.3	22.8	25.4	6. 59. 10.27		10.01	31.29	21.28	.....	.....
	45	δ ¹ Cancri.....	JS	23.6	26.0	28.7	34.0	36.6	39.3	46.8	49.4	52.0	54.7	8. 17. 39.27		38.79	59.62	20.83	20.69	.....
	46	δ ¹ Cancri..... (E&E)	JS	27.9	43.5	59.4	15.1	30.5	46.0	1.9	...	...	...	8. 17. 39.03		38.55	59.62	21.07	.....	.....
	47	η Cancri.....	JS	...	43.2	45.9	51.4	53.9	56.7	4.5	7.1	9.6	...	8. 26. 56.70		56.21	17.10	20.89	.....	.....
	48	η Cancri..... (E&E)	JS	44.5	0.1	16.2	32.4	48.2	4.1	19.9	...	...	...	8. 26. 56.33		55.84	17.10	21.26	.....	.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 8, 25, 27, 40, 46, and 48, -91^m52: -95^m88: -95^m88: -95^m96: -96^m02: and -96^m02.

Corrections for passage of Semidiameter, Nos. 4, 11, and 32, +61^m38: +62^m78: and +66^m48.

- Observed over wire Q with the transit-micrometer set to readings 35^m22.1, 35^m40.0, 35^m46.0, 35^m54.0, 35^m57.7, 35^m66.5, 35^m76.2, 35^m80.7, 35^m84.2, 35^m94.8.
- Observed over wires N, R, S, T, U, V, W, and X. Cloudy.
- Observed over wire T with the transit-micrometer set to readings 35^m20.8, 35^m19.8, 35^m30.0, 35^m39.7, 35^m73.9, 35^m84.0, 35^m93.0, 36^m20.0, 36^m25.1, 36^m37.0.
- Observed over wire Q with the transit-micrometer set to readings 37^m38.3, 37^m19.7, 37^m05.1, 36^m73.0, 36^m63.8, 36^m50.9, 36^m18.2, 36^m06.9, 35^m94.0, 35^m58.6.
- Observed over wire T with the transit-micrometer set to readings 35^m20.8, 35^m19.8, 35^m30.0, 35^m39.7, 35^m73.9, 35^m84.0, 35^m93.0, 36^m20.0, 36^m25.1, 36^m37.0.
- The eye-tube rotated 90° for the purpose of examining the transit-micrometer screw; rotated back 8° 14.
- The object glass was removed for repolishing on Jan. 9, and was returned on Feb. 9, with the tarnished surfaces repolished. The figure having been affected, the aperture was reduced to six inches for all observations until Apr. 2, when the object glass was again removed.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock Appa- rently Slow.	Adopted Clock Slow at Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Feb. 12	1	ε Hydræ	W	55.0	57.4	59.6	4.8	7.3	9.8	17.1	19.6	22.3	24.7	8. 41. 9.88	+ 0.77	9.31	48.94	39.63	39.44	.....
	2	83 Cancri	W	50.5	53.0	55.6	0.8	3.4	6.1	13.7	16.3	18.9	21.5	9. 13. 6.10	(- 7.93)	5.49	45.18	39.69	[+ 0.50]	.....
	3	Groombridge 3548 S.P.	W	29.1	33.2	36.7	40.3	52.1	55.5	59.2	2.9	15.7	20.0	9. 17. 28.39	(- 4.95)	30.48	10.47	39.99		.....
	4	α Hydræ	W	5.0	7.3	9.9	15.0	17.5	20.1	27.3	30.0	32.5	35.0	9. 22. 20.08		19.57	59.25	39.68		.....
	5	ο Leonis	W	...	...	...	25.0	27.4	30.1	37.5	40.0	42.5	45.0	9. 35. 30.09		29.51	9.09	39.58		.....
	6	ε Leonis	W	36.7	39.3	42.1	47.6	50.3	53.0	3.0	3.6	6.6	9.2	9. 39. 53.06		52.44	32.05	39.61		.....
	7	Bradley 1672	SD	2.0	12.8	17.7	46.8	52.2	58.8	20.1	27.0	33.3	52.6	12. 14. 6.92		1.29	41.03	39.74	39.46	.....
	8	c Virginis	SD	41.0	43.4	45.9	51.1	53.4	56.0	3.3	5.8	8.4	10.8	12. 15. 56.02		55.46				12. 16. 35.18
	9	β Corvi	SD	32.2	35.0	37.5	43.1	45.7	48.7	56.5	59.1	1.6	4.6	12. 28. 48.52		48.07	27.76	39.69		.....
	10	γ ¹ Virginis	SD	0.3	...	5.1	...	...	15.2	...	24.9	...	29.6	12. 36. 15.13		14.59				12. 36. 54.31
	11	γ ² Virginis	SD	...	3.0	...	10.5	12.9	...	22.6	...	27.4	...	12. 36. 15.42		14.88				12. 36. 54.60
	12	δ ² L.	SD	28.3	30.9	33.4	38.5	41.1	43.5	51.0	53.6	56.2	58.8	12. 55. 43.64		43.11				12. 55. 15.46
	13	θ Virginis	SD	11.2	13.6	16.3	21.2	23.6	26.3	33.3	36.0	38.4	40.9	13. 4. 26.20		25.68	5.45	39.77		.....
	14	66 Virginis	SD	45.7	48.3	...	55.7	...	0.8	8.2	10.7	13.0	15.6	13. 19. 0.80		0.28				13. 19. 40.02
	15	Polaris S.P.	SD	13.3	19.6	25.7	31.6	52.7	57.9	5.4	23.4	33.3	40.1	13. 24. 10.07		17.01	56.01	39.00		.....
	16	ξ Virginis	SD	0.4	2.8	5.3	10.4	12.7	15.4	22.7	25.1	27.5	30.1	13. 29. 15.35		14.81	54.54	39.73		.....
Feb. 13	17	ξ Cygni	W	57.7	0.7	3.3	9.3	12.0	15.0	23.3	26.2	29.1	31.8	21. 8. 14.98	(- 8.28)	14.36	54.64	40.28	39.79	.....
Feb. 14	18	⊙ 1 L.	W	...	...	51.1	55.9	58.6	1.0	8.7	11.3	...	...	21. 47. 1.20	(- 3.45)					21. 48. 47.86
	19	⊙ 2 L.	W	...	...	...	9.6	12.2	14.8	22.3	25.0	27.3	30.0	21. 49. 14.83						.....
	20	β Andromedæ	W	29.2	32.1	35.0	41.3	44.3	47.4	56.3	59.3	2.3	5.4	1. 3. 47.40		46.74	27.05	40.31	40.29	.....
	21	Polaris	W	58.3	1.2	4.1	6.7	18.2	20.9	23.6	26.5	37.0	39.9	1. 24. 24.84		12.91	54.68	41.77		.....
	22	η Piscium	W	31.2	33.5	36.2	41.4	43.9	46.5	53.9	56.7	59.2	1.6	1. 25. 46.53		45.98	26.27	40.29		.....
	23	λ Ursæ Minoris S.P.	E	24.1	30.6	36.6	57.5	3.2	16.2	22.6	27.2	45.7	50.0	7. 13. 56.97		11.06	51.04	39.98	40.37	.....
	24	Procyon	E	28.8	31.1	33.6	38.8	41.3	43.6	51.0	53.6	56.1	58.5	7. 33. 43.76		43.26	23.79	40.53		.....
	25	Pollux	E	38.0	40.7	43.4	49.2	52.1	55.0	3.2	5.9	8.7	11.5	7. 38. 54.91		54.29	34.85	40.56		.....
	26	ξ Argūs	E	25.0	27.6	30.4	35.8	38.7	41.4	49.3	52.1	54.8	57.5	7. 44. 41.39		41.07	21.60	40.53		.....
	27	6 Cancri	E	48.9	51.6	54.6	0.2	3.0	5.9	14.0	17.0	19.7	22.6	7. 57. 5.89		5.27	45.73	40.46		.....
	28	Groombridge 1119	E	36.0	42.7	49.6	16.7	22.3	35.2	41.0	48.3	6.9	13.7	8. 4. 49.02		35.95	15.29	39.34		.....
	29	6 Cancri	E	30.9	33.3	35.8	41.0	43.2	46.0	53.3	55.9	58.4	0.8	8. 10. 45.98		45.46	26.05	40.59		.....
Feb. 15	30	51 Geminorum	JS	3.5	6.0	8.8	14.0	16.4	19.1	26.7	29.3	31.9	34.5	7. 7. 19.14		18.58	59.24	40.66	40.54	.....
	31	δ Geminorum	JS	35.2	37.7	40.6	45.8	48.7	51.3	59.1	1.7	4.7	7.2	7. 13. 51.33		50.74	31.41	40.67	[+ 0.51]	.....
	32	λ Ursæ Minoris S.P.	JS	14.3	28.4	35.2	41.1	55.3	0.3	8.2	23.1	27.8	33.6	7. 13. 58.22		11.26	51.76	40.50		.....
	33	β Canis Minoris	JS	8.8	11.2	13.6	18.9	21.2	23.6	31.2	33.6	36.2	38.7	7. 21. 23.82		23.31	4.06	40.75		.....
	34	6 Cancri	JS	48.8	51.4	...	0.0	2.8	5.7	13.7	...	19.3	22.3	7. 57. 5.61		4.99	45.73	40.74		.....
	35	Groombridge 1119	JS	4.3	11.0	17.1	24.7	30.7	42.2	50.7	59.0	8.0	15.7	8. 4. 47.37		34.30	14.84	40.54		.....
Feb. 19	36	β Ophiuchi	W	51.3	53.6	56.1	1.2	3.6	6.3	13.4	16.0	18.5	21.0	17. 38. 6.21	+ 1.44	5.76	48.96	43.20	42.80	.....
	37	μ Herculis	W	46.5	49.2	51.9	57.6	0.4	3.3	11.4	14.3	17.1	19.8	17. 42. 3.29	(- 8.40)	2.72	45.92	43.20	[+ 0.54]	.....
Feb. 20	38	⊙ 1 L.	E	58.4	0.9	3.4	8.7	11.2	13.6	21.0	23.6	26.1	28.7	22. 10. 13.68	(- 3.19)					22. 12. 2.92
	39	⊙ 2 L.	E	11.0	13.2	15.9	21.1	23.6	26.1	33.4	36.1	38.6	41.1	22. 12. 26.13						.....
	40	α ¹ Tauri	E	9.1	11.5	14.4	19.6	22.3	25.1	33.0	35.6	38.2	41.0	3. 58. 25.10		24.56	8.04	43.48	43.42	3. 59. 8.07
	41	ω ¹ Tauri	E	42.4	45.0	47.5	53.0	55.4	58.2	5.9	8.6	11.2	13.7	4. 2. 58.21		57.69	41.16	43.47		4. 3. 41.20
	42	ο ¹ Eridani	E	18.3	20.8	23.3	28.3	30.8	33.4	40.7	43.2	45.5	48.1	4. 6. 33.36		32.98	16.41	43.43		4. 7. 16.49
	43	κ Orionis	E	19.3	21.9	24.4	29.5	32.1	34.7	41.9	44.6	46.9	49.4	5. 42. 34.59		34.76	18.29	43.53		5. 43. 18.31
	44	α Orionis	E	6.5	8.8	11.3	16.4	18.9	21.5	28.8	31.3	33.9	36.3	5. 49. 21.49		21.85	5.38	43.53		5. 50. 5.41
	45	1 Geminorum	E	25.5	28.1	30.8	36.4	39.1	41.9	49.6	52.5	55.1	57.9	5. 57. 41.82		41.27	24.85	43.58		5. 58. 24.83
	46	δ Ursæ Minoris S.P.	E	54.8	1.5	7.3	27.7	33.6	46.7	50.9	56.3	13.5	19.7	6. 1. 39.63		42.65	26.05	43.40		.....
	47	θ Canis Majoris	E	51.6	54.1	56.6	1.7	4.3	6.8	14.2	16.8	19.4	21.8	6. 49. 6.85		6.49	50.09	43.60		6. 49. 50.07
	48	ε Canis Majoris	E	56.6	59.2	2.0	7.9	10.7	13.4	21.8	24.7	27.3	30.4	6. 54. 13.54		13.29	56.81	43.52		6. 54. 56.87
	49	Cephei 51	E	48.7	56.9	5.9	21.8	27.7	41.1	47.0	52.4	9.4	15.6	6. 56. 18.24		13.45	56.33	42.88		.....

Correction for passage of Semidiameter, No. 12, - 67^m.37.

3. Observed over wire T with the transit-micrometer set to readings 33^m.132, 33^m.070, 32^m.958, 32^m.912, 32^m.583, 32^m.512, 32^m.422, 32^m.350, 32^m.040, 31^m.937.
7. Observed over wire R with the transit-micrometer set to readings 34^m.941, 33^m.070, 35^m.132, 35^m.489, 35^m.577, 35^m.640, 35^m.911, 36^m.001, 36^m.094, 36^m.323.
9. Very diffused.
15. Observed over wire S with the transit-micrometer set to readings 36^m.470, 36^m.441, 36^m.377, 36^m.330, 36^m.162, 36^m.128, 36^m.051, 35^m.915, 35^m.822, 35^m.750.
18, 19. Ill-defined.
21. Observed over wire T with the transit-micrometer set to readings 34^m.264, 34^m.283, 34^m.312, 34^m.336, 34^m.430, 34^m.452, 34^m.475, 34^m.500, 34^m.580, 34^m.620.
23. Observed over wire Q with the transit-micrometer set to readings 36^m.469, 36^m.438, 36^m.404, 36^m.255, 36^m.210, 36^m.111, 36^m.052, 36^m.056, 35^m.905, 35^m.878.
28. Observed over wire T with the transit-micrometer set to readings 35^m.452, 35^m.490, 35^m.524, 35^m.740, 35^m.797, 35^m.900, 35^m.934, 36^m.006, 36^m.148, 36^m.186.
32. Observed over wire T with the transit-micrometer set to readings 35^m.058, 34^m.933, 34^m.882, 34^m.833, 34^m.751, 34^m.725, 34^m.633, 34^m.561, 34^m.517, 34^m.467.
35. Observed over wire T with the transit-micrometer set to readings 34^m.750, 34^m.811, 34^m.888, 34^m.908, 34^m.931, 35^m.058, 35^m.077, 35^m.182, 35^m.243, 35^m.277.
46. Observed over wire R with the transit-micrometer set to readings 36^m.220, 36^m.040, 35^m.913, 35^m.436, 35^m.301, 34^m.990, 34^m.877, 34^m.743, 34^m.326, 34^m.197.
49. Observed over wire T with the transit-micrometer set to readings 35^m.423, 35^m.575, 35^m.695, 36^m.085, 36^m.196, 36^m.465, 36^m.566, 36^m.681, 37^m.018, 37^m.141.

MONTH and DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	(Azimuth).					
				s	s	s	s	s	s	s	s	s	s								
														h m s	"	s	s	s	s	h m s	
1908																					
Feb. 20	1	51 Geminorum.....	E	0.7	3.1	5.8	11.1	13.5	16.1	23.5	26.2	28.8	31.4	7. 7. 16.14	+ 1.44	15.63	59.20	43.57	43.42	7. 7. 59.22	
	2	51 Geminorum... (E&E)	E	32.9	48.2	3.8	19.0	34.8	50.0	6.0	...	...	...	7. 7. 16.15	(- 8.40)	15.64	59.20	43.56	[+ 0.56]	.....	
	3	λ Ursæ Minoris S.P.	E	52.7	59.2	4.7	31.2	36.7	54.1	0.2	6.6	24.6	29.6	7. 14. 0.45	(- 3.19)	11.89	54.90	43.01	.....	.....	
	4	6 Cancri.....	E	45.8	48.6	51.3	57.0	59.7	2.9	10.8	13.6	16.7	19.3	7. 57. 2.71		2.14	45.71	43.57	.....	7. 57. 45.75	
	5	Groombridge 1119.....	E	30.3	36.0	43.3	5.3	11.1	27.0	32.6	38.4	58.1	3.0	8. 4. 40.55		28.95	13.05	44.10	.....	.....	
	6	83 Cancri.....	E	46.4	48.9	51.5	56.8	59.3	2.1	9.7	12.3	15.0	17.5	9. 13. 2.07		1.55	45.20	43.65	.....	9. 13. 45.18	
	7	α Hydræ.....	E	1.1	3.3	5.9	10.8	13.6	16.0	23.3	25.9	28.4	31.0	9. 22. 16.05		15.68	59.27	43.59	.....	9. 22. 59.32	
	8	α Hydræ..... (E&E)	E	34.3	49.4	4.4	19.3	34.1	48.8	4.0	...	...	...	9. 22. 16.15		15.78	59.27	43.49	.....	.....	
	9	ξ Leonis.....	E	55.4	58.0	0.4	5.6	8.2	10.8	18.1	20.7	23.2	25.6	9. 26. 10.72		10.24	53.86	43.62	.....	9. 26. 53.88	
	10	Regulus.....	E	24.7	27.2	29.6	34.8	37.3	40.0	47.3	49.8	52.1	54.9	10. 2. 39.89		39.41	23.08	43.67	.....	10. 3. 23.06	
	11	Regulus..... (E&E)	E	57.5	13.0	28.0	43.5	58.1	13.2	28.6	...	...	...	10. 2. 40.10		39.62	23.08	43.46	.....	.....	
	12	γ ¹ Leonis.....	E	49.2	52.0	54.7	0.1	2.7	5.3	13.1	15.5	18.4	21.0	10. 14. 5.32		4.79	48.55	43.76	.....	10. 14. 48.45	
Feb. 21	13	⊙ 1 L.....	W	...	...	...	...	...	3.7	11.0	13.6	16.2	18.7	22. 14. 3.71	(- 3.94)	9.30			43.37	22. 15. 53.17	
	14	⊙ 2 L.....	W	...	...	5.6	10.6	13.2	15.6	23.0	25.6	...	...	22. 16. 15.70					[+ 0.54]	.....	
	15	β Andromedæ.....	W	25.4	28.4	31.3	37.5	40.7	43.6	52.6	55.6	58.7	1.6	1. 3. 43.68		43.05	26.95	43.90	43.91	1. 4. 26.98	
	16	Polaris.....	W	27.1	30.2	33.1	35.9	51.0	53.6	56.8	0.4	12.2	14.9	1. 24. 14.71		5.57	48.85	43.28	.....	.....	
	17	β Arietis.....	W	...	...	...	...	...	42.6	50.3	53.1	55.7	58.4	1. 48. 42.68		42.12	25.93	43.81	.....	1. 49. 26.07	
	18	α Arietis.....	W	52.0	54.7	57.3	2.8	5.7	8.3	16.0	18.9	21.4	24.1	2. 1. 8.25		7.67	51.61	43.94	.....	2. 1. 51.63	
	19	β Tauri.....	W	20.6	23.5	26.4	32.1	34.9	37.6	46.1	48.9	51.6	54.6	5. 19. 37.77		37.17	21.25	44.08	.....	5. 20. 21.20	
	20	κ Orionis..... R	W	19.0	21.4	23.8	29.2	31.6	34.2	...	...	...	...	5. 42. 34.13		34.26	18.27	44.01	.....	5. 43. 18.30	
	21	α Orionis.....	W	6.7	9.2	11.6	16.8	19.3	21.6	29.0	31.5	34.0	36.6	5. 49. 21.75		21.25	5.36	44.11	.....	5. 50. 5.29	
	22	α Orionis..... (E&E)	W	40.2	54.8	10.2	2.52	40.0	54.6	9.7	...	...	...	5. 49. 21.61		21.11	5.36	44.25	.....	.....	
	23	1 Geminorum.....	W	...	...	...	...	38.7	41.3	49.2	51.9	54.6	57.3	5. 57. 41.34		40.76	24.83	44.07	.....	5. 58. 24.80	
	24	δ Ursæ Minoris S.P.	W	28.3	32.3	35.9	39.3	54.2	57.5	0.9	4.0	18.0	21.6	6. 1. 40.10		42.56	26.35	43.79	.....	.....	
	25	γ Geminorum.....	W	18.4	21.0	23.5	28.7	31.4	33.9	41.5	44.2	46.8	49.4	6. 31. 34.00		33.46	17.52	44.06	.....	6. 32. 17.52	
	26	γ Geminorum..... (E&E)	W	...	6.4	21.9	37.4	52.7	8.3	...	...	...	...	6. 31. 34.02		33.48	17.52	44.04	.....	.....	
	27	Cephei 51.....	W	22.0	26.0	29.3	33.0	46.5	49.4	53.6	57.3	8.9	12.7	6. 56. 16.35		11.03	56.06	45.03	.....	.....	
	28	λ Ursæ Minoris S.P.	W	47.3	52.7	58.1	2.7	15.0	18.9	22.3	25.7	39.6	43.4	7. 14. 2.11		11.75	55.60	43.85	.....	.....	
	29	Castor.....	W	36.0	38.9	41.6	47.6	50.6	53.6	2.1	5.1	7.9	10.9	7. 27. 53.57		52.95	37.10	44.15	.....	7. 28. 37.03	
	30	6 Cancri.....	W	45.2	48.0	50.8	56.5	59.4	2.1	10.5	13.4	15.9	19.0	7. 57. 2.22		1.62	45.70	44.08	.....	7. 57. 45.71	
Feb. 22	31	⊙ 1 L.....	RC	37.5	40.0	42.5	47.6	50.0	52.8	0.3	2.9	5.3	7.7	22. 17. 52.78	(- 8.05)	58.32			.....	22. 19. 42.73	
	32	⊙ 2 L.....	RC	49.4	51.6	54.6	59.3	2.1	4.7	12.1	14.7	17.1	19.6	22. 20. 4.64	(- 3.96)						
Feb. 23	33	Aldebaran.....	JS	31.8	34.4	36.8	42.0	44.7	47.3	...	...	...	...	4. 29. 47.30		46.78	31.52	44.74	44.66	4. 30. 31.53	
	34	β Tauri.....	JS	20.0	22.8	25.6	31.3	34.1	37.1	45.3	48.2	51.0	53.6	5. 19. 37.04		36.47	21.21	44.74	[+ 0.49]	5. 20. 21.24	
	35	δ Orionis.....	JS	13.3	15.8	18.3	23.3	25.7	28.4	35.5	38.0	40.4	43.0	5. 26. 28.28		27.84	12.49	44.65	.....	5. 27. 12.61	
	36	α Orionis.....	JS	6.1	8.4	10.9	...	...	21.0	...	30.9	33.3	35.6	5. 49. 21.00		20.53	5.33	44.80	.....	5. 50. 5.31	
	37	δ Ursæ Minoris S.P.	JS	36.7	42.3	48.2	3.1	8.2	15.0	29.1	34.2	39.6	49.4	6. 1. 39.52		41.69	27.02	45.33	.....	.....	
	38	ν Orionis.....	JS	13.2	15.5	18.1	23.3	25.7	28.6	35.9	38.6	41.1	43.6	6. 1. 28.48		27.98	12.70	44.72	.....	6. 2. 12.76	
	39	ν Geminorum.....	JS	23.3	25.7	28.6	33.9	36.7	39.2	47.0	49.6	52.3	54.8	6. 22. 39.23		38.69	23.46	44.77	.....	6. 23. 23.48	
	40	ν Geminorum..... (E&E)	JS	55.9	11.5	27.5	...	59.1	14.8	30.8	...	...	...	6. 22. 39.00		38.46	23.46	45.00	.....	.....	
	41	Cephei 51.....	JS	38.8	47.6	55.4	8.4	14.7	21.1	36.3	42.5	48.5	1.1	6. 56. 14.00		10.20	55.42	45.22	.....	.....	
	42	λ Ursæ Minoris S.P.	JS	17.2	24.0	29.4	45.6	52.9	58.6	15.9	23.2	30.8	43.1	7. 14. 5.88		14.48	57.25	42.77	.....	.....	
	43	β Canis Minoris.....	JS	4.7	7.1	9.4	14.7	17.2	19.6	26.9	29.5	32.0	34.5	7. 21. 19.68		19.20	3.98	44.78	.....	7. 22. 4.01	
	44	β Canis Minoris..... (E&E)	JS	38.8	53.7	8.8	23.8	38.4	53.4	8.8	...	...	...	7. 21. 19.36		18.88	3.98	45.10	.....	.....	
	45	ξ Argûs.....	JS	20.7	23.5	26.0	31.6	34.4	37.2	44.8	47.6	50.4	53.2	7. 44. 37.07		36.76	21.51	44.75	.....	7. 45. 21.58	
	46	α Cancri.....	JS	...	...	27.1	32.3	34.9	37.4	44.8	47.5	...	...	8. 52. 37.43		36.93	21.83	44.90	.....	8. 53. 21.77	
	47	Groombridge 3548 S.P..	JS	26.5	33.2	37.6	56.7	1.8	14.9	29.6	34.6	39.5	50.7	9. 17. 23.40		25.59	10.81	45.22	.....	.....	
	48	ξ Leonis.....	JS	54.2	56.7	59.3	4.5	7.0	9.5	16.8	19.5	22.0	24.4	9. 26. 9.51		9.02	53.86	44.84	.....	9. 26. 53.87	
	49	ε Leonis.....	JS	31.3	34.1	36.8	42.1	45.0	47.7	55.6	58.4	1.1	3.8	9. 39. 47.72		47.18	32.10	44.92	.....	9. 40. 32.04	
	50	ρ Leonis.....	JS	53.2	55.6	58.3	3.2	5.9	8.4	15.6	18.4	20.8	23.2	10. 27. 8.38		7.90	52.82	44.92	.....	10. 27. 52.77	
	51	α Leonis.....	JS	43.9	46.5	48.9	54.0	56.6	59.0	6.4	8.8	11.2	13.6	10. 54. 59.00		58.54	43.45	44.91	.....	10. 55. 43.42	

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 2, 8, 11, 22, 26, 40, and 44, - 123^h 17' - 123^h 12' - 123^h 11' :
- 123^h 43' - 123^h 43' - 124^h 37' and - 124^h 39'.

3. Observed over wire S with the transit-micrometer set to readings 35^h 794, 35^h 750, 35^h 719, 35^h 538, 35^h 485, 35^h 389, 35^h 323, 35^h 269, 35^h 148, 35^h 110.
5. Observed over wire R with the transit-micrometer set to readings 35^h 195, 35^h 227, 35^h 272, 35^h 456, 35^h 489, 35^h 623, 35^h 669, 35^h 705, 35^h 855, 35^h 899.
16. Observed over wire T with the transit-micrometer set to readings 37^h 622, 37^h 648, 37^h 680, 37^h 683, 37^h 803, 37^h 840, 37^h 865, 37^h 910, 38^h 000, 38^h 033.
24. Observed over wire Q with the transit-micrometer set to readings 36^h 062, 35^h 952, 35^h 860, 35^h 792, 35^h 433, 35^h 340, 35^h 278, 35^h 202, 34^h 860, 34^h 762.
27. Observed over wire W with the transit-micrometer set to readings 35^h 007, 36^h 041, 36^h 132, 36^h 380, 36^h 462, 36^h 553, 36^h 624, 36^h 850, 36^h 923.
28. Observed over wire Q with the transit-micrometer set to readings 35^h 963, 35^h 937, 35^h 854, 35^h 810, 35^h 720, 35^h 690, 35^h 642, 35^h 560, 35^h 501.
35. Very faint; cloudy.
37. Observed over wire X with the transit-micrometer set to readings 38^h 757, 38^h 623, 38^h 471, 38^h 111, 37^h 987, 37^h 818, 37^h 497, 37^h 384, 37^h 221, 37^h 031.
41. Observed over wire R with the transit-micrometer set to readings 34^h 950, 35^h 121, 35^h 278, 35^h 525, 35^h 667, 35^h 768, 36^h 084, 36^h 227, 36^h 340, 36^h 556.
42. Observed over wire S with the transit-micrometer set to readings 36^h 120, 36

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GOAMM. 6

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	[Azimuth].					
s	s	s	s	s	s	s	s	s	s	h m s	"	"	s	s	s	s	h m s				
Feb. 24	1	⊙ 1 L.....	E	13.6	16.2	18.7	23.6	26.1	28.8	36.2	38.8	41.3	43.8	22. 25. 28.83	+ 1.44 (- 8.05)	} 34.27		44.66 [+ 0.49]	22. 27. 19.41		
	2	⊙ 2 L.....	E	25.4	27.8	30.2	35.3	38.0	40.5	47.9	50.6	53.0	55.5	22. 27. 40.54	- 3.96						
Feb. 27	3	α Ceti.....	JS	20.0	22.7	25.0	30.0	32.6	35.2	42.3	44.9	47.3	49.7	2. 56. 35.08	+ 1.52 (- 8.65)	34.69	21.26	46.57	46.52		
	4	δ Arietis.....	JS	12.7	15.2	17.7	23.2	25.6	28.7	36.2	38.9	41.4	44.1	3. 5. 28.49	- 1.78	28.01	14.58	46.57	[+ 0.48]		
Feb. 28	5	⊙ 1 L.....	E	19.1	21.7	24.2	29.0	31.6	34.2	41.6	44.1	46.6	49.2	22. 40. 34.25	} 39.43				22. 42. 26.40		
	6	⊙ 2 L.....	E	...	...	...	40.2	42.6	45.3	52.6	55.1	57.4	0.1	22. 42. 45.23							
Mar. 2	7	ρ Argūs.....	W	28.9	31.3	34.0	39.7	42.3	45.0	53.2	55.7	58.6	1.3	8. 2. 45.13	} 52.70			48.24	.....		
	8	Groombridge 1119.....	W	27.5	31.3	34.9	38.1	55.9	0.6	5.0	8.6	20.3	24.7	8. 4. 32.84							
	9	δ ¹ Cancri.....	W	56.3	58.8	1.3	6.7	9.3	12.0	19.5	22.3	25.0	27.3	8. 17. 11.97	} 43.19			48.45	5. 2. 42.18		
	10	83 Cancri.....	W	41.6	44.2	46.8	51.9	54.7	57.2	5.0	7.5	10.1	12.8	9. 12. 57.30							
	11	83 Cancri..... (E&E)	W	17.5	33.0	48.8	4.3	19.9	35.4	51.2	...	...	...	9. 12. 57.35	} 48.45			48.45	5. 26. 42.17		
	12	Groombridge 3548 S.P.....	W	11.3	16.5	20.5	24.2	36.9	40.4	43.6	47.1	58.3	2.2	9. 17. 19.09							
	13	α Hydrae.....	W	56.1	58.7	1.1	6.2	8.7	11.2	18.6	21.0	23.4	26.0	9. 22. 11.22	} 47.97			47.97	21. 8. 54.79		
	14	α Hydrae..... (E&E)	W	...	48.3	3.2	18.2	33.1	47.9	...	...	...	...	9. 22. 11.21							
	15	6 Sextantis..... R.	W	...	29.9	32.3	37.3	39.7	42.6	...	...	...	...	9. 45. 42.39	} 47.97			47.97	21. 8. 54.79		
	16	B. D. + 30°, 1946..... R.	W	...	8.6	11.4	17.3	20.1	23.0	...	...	...	...	9. 53. 23.02							
	17	δ Leonis.....	W	3.6	6.3	9.0	14.5	17.0	19.6	27.4	30.2	32.8	35.3	11. 8. 19.70	} 47.97			47.97	21. 8. 54.79		
	18	ζ Cygni.....	JS	...	...	...	...	...	...	15.3	18.1	21.1	23.7	21. 8. 6.94							
Mar. 3	19	⊙ 1 L.....	JS	32.7	35.2	37.6	42.8	45.3	47.6	55.1	57.6	0.1	2.7	22. 51. 47.79	} 52.70			48.45	5. 2. 42.18		
	20	⊙ 2 L.....	JS	43.2	45.5	48.2	53.2	55.6	58.4	5.6	8.2	10.6	13.1	22. 53. 58.28							
	21	Venus 1 L.....	JS	28.0	...	33.1	...	...	43.4	...	53.3	...	58.1	23. 10. 43.31	} 43.19			48.45	5. 2. 42.18		
	22	Venus 2 L.....	JS	...	31.0	...	38.7	41.2	...	51.1	...	56.1	...	23. 10. 43.73							
	23	δ 1 L.....	JS	33.0	35.6	38.2	43.7	46.4	49.1	57.0	59.7	2.3	5.0	5. 0. 49.12	} 43.19			48.45	5. 2. 42.18		
	24	Rigel.....	JS	58.0	0.5	2.9	7.9	10.7	13.0	20.3	22.8	25.3	27.8	5. 9. 13.04							
	25	β Tauri.....	JS	...	18.8	21.6	27.4	30.2	33.1	41.2	44.2	47.0	...	5. 19. 33.06	} 43.19			48.45	5. 2. 42.18		
	26	119 Tauri.....	JS	38.4	40.9	43.4	48.8	51.4	54.1	1.6	4.6	7.0	9.4	5. 25. 54.08							
	27	ε Orionis.....	JS	23.5	26.0	28.6	33.5	36.1	38.7	45.6	48.5	50.8	53.3	5. 30. 38.57	} 43.19			48.45	5. 2. 42.18		
	28	ζ Tauri.....	JS	...	...	2.9	8.1	10.9	13.6	21.3	24.2	...	...	5. 31. 13.60							
	29	α Orionis.....	JS	1.8	4.5	6.9	12.0	14.6	17.0	24.3	26.9	29.2	31.9	5. 49. 17.03	} 43.19			48.45	5. 2. 42.18		
	30	δ Ursæ Minoris S.P.....	JS	17.7	7.3	13.1	17.4	22.3	27.1	33.7	38.5	43.2	48.4	6. 1. 36.83							
	31	η Geminorum.....	JS	8.4	10.9	13.6	19.0	21.6	24.6	32.2	35.0	37.6	40.3	6. 8. 24.45	} 43.19			48.45	5. 2. 42.18		
	32	η Geminorum..... (E&E)	JS	43.2	59.3	15.3	31.6	47.2	3.2	19.3	...	...	...	6. 8. 24.35							
	33	Neptune.....	JS	7.5	10.3	12.8	18.3	21.0	23.7	31.6	34.4	36.8	39.6	6. 32. 23.73	} 43.19			48.45	5. 2. 42.18		
	34	ξ Geminorum.....	JS	57.9	0.5	3.0	7.9	10.6	13.3	20.7	23.3	25.7	28.2	6. 39. 13.23							
	35	ξ Geminorum..... (E&E)	JS	34.3	49.8	5.0	20.1	35.1	50.2	5.7	...	...	...	6. 39. 13.08	} 43.19			48.45	5. 2. 42.18		
	36	Cephei 51.....	JS	10.9	15.9	21.1	26.0	30.9	36.6	41.1	45.3	49.1	53.7	6. 56. 8.99							
	37	Groombridge 1119.....	JS	35.7	42.7	48.6	54.5	59.3	9.0	14.6	20.0	27.7	33.8	8. 4. 32.57	} 43.19			48.45	5. 2. 42.18		
	38	γ Cancri.....	JS	47.6	50.3	52.9	58.3	0.9	3.6	11.3	14.2	16.7	19.3	8. 37. 3.63							
	39	Juno.....	JS	53.0	55.6	58.0	3.1	5.7	8.3	15.3	17.9	20.0	23.1	8. 41. 8.12	} 43.19			48.45	5. 2. 42.18		
	40	Groombridge 3548 S.P.....	JS	21.7	28.1	34.1	46.7	53.0	58.8	16.0	20.6	25.4	40.7	9. 17. 19.89							
	41	ρ Leonis.....	JS	5.7	8.3	10.8	15.9	18.4	21.0	28.3	30.8	33.3	35.7	9. 35. 20.94	} 43.19			48.45	5. 2. 42.18		
	42	ρ Leonis.....	JS	49.4	51.7	54.5	59.5	2.0	4.7	11.9	14.5	17.0	19.5	10. 27. 4.59							
	43	τ Leonis.....	JS	4.0	6.6	9.0	14.1	16.5	19.0	26.1	28.8	31.2	33.6	11. 22. 19.00	} 43.19			48.45	5. 2. 42.18		
	44	Bradley 3147 S.P.....	JS	23.3	29.7	34.6	50.9	55.9	0.7	14.3	18.9	23.3	35.0	11. 26. 41.73							
	45	ν Leonis.....	JS	6.0	8.5	10.9	15.9	18.2	20.8	28.3	30.8	33.1	35.5	11. 31. 20.91	} 43.19			48.45	5. 2. 42.18		
	46	ε Corvi.....	JS	14.2	16.8	19.3	24.8	27.3	30.3	37.9	40.7	43.3	46.1	12. 4. 30.19							
	47	Bradley 1672.....	JS	55.0	0.7	5.0	21.8	27.6	32.7	44.8	48.8	0.0	12.2	12. 14. 7.26	} 35.73			48.81	22. 57. 25.00		
Mar. 4	48	⊙ 1 L.....	AC	15.7	18.2	20.8	25.7	28.5	30.9	38.3	40.8	43.2	45.6	22. 55. 30.89							
	49	⊙ 2 L.....	AC	...	...	...	...	...	41.3	48.7	51.2	53.4	56.1	22. 57. 41.30	} 35.73			48.81	22. 57. 25.00		
				...	...	...	...	...	...	...	...	...	...	(- 2.67)							

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 11, 14, 32, and 35, - 127^s.03 : - 127^s.03 : - 127^s.03 : and - 127^s.03.
Correction for passage of Semidiameter, No. 23, + 64^s.99.

7. Very diffused. 8. Observed over wire T with the transit-micrometer set to readings 37^r.810, 37^r.840, 37^r.862, 37^r.864, 38^r.001, 38^r.042, 38^r.079, 38^r.103, 38^r.200, 38^r.211.
12. Observed over wire U with the transit-micrometer set to readings 36^r.086, 35^r.990, 35^r.890, 35^r.794, 35^r.512, 35^r.412, 35^r.342, 35^r.253, 34^r.971, 34^r.872.
19, 20. Very unsteady. 21, 22. Very ill-defined. 23. Correction to R.A. on true meridian, - 0^s.01.
30. Observed over wire T with the transit-micrometer set to readings 35^r.415, 35^r.264, 35^r.120, 35^r.018, 34^r.913, 34^r.822, 34^r.640, 34^r.513, 34^r.414, 34^r.293.
33. Faint; cloudy.
36. Observed over wire T with the transit-micrometer set to readings 36^r.034, 36^r.115, 36^r.253, 36^r.348, 36^r.425, 36^r.571, 36^r.627, 36^r.715, 36^r.800, 36^r.868.
37. Observed over wire V with the transit-micrometer set to readings 36^r.180, 36^r.240, 36^r.294, 36^r.353, 36^r.370, 36^r.452, 36^r.496, 36^r.545, 36^r.579, 36^r.668.
40. Observed over wire T with the transit-micrometer set to readings 37^r.397, 37^r.212, 37^r.076, 36^r.774, 36^r.617, 36^r.494, 36^r.096, 35^r.991, 35^r.876, 35^r.522.
44. Observed over wire T with the transit-micrometer set to readings 37^r.793, 37^r.628, 3

MONTH and DAY	No. for Reference	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.	
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	[Azimuth].						
																						s
Mar. 4	1	α Andromedæ.....	AC	...	...	...	36.0	38.8	41.6	...	52.8	55.6	58.2	0. 2. 41.65	+ 1.52		41.07	30.36	49.29	49.29	.....	
	2	α Orionis.....	E	1.2	3.8	6.3	11.3	13.8	16.3	23.6	26.2	28.7	31.1	5. 49. 16.35	(- 8.82)		15.90	5.19	49.29	[+ 0.48]	.....	
	3	δ I L.....	E	8.7	11.3	14.0	19.4	22.2	25.0	32.8	35.5	38.1	40.8	5. 53. 24.90	(- 2.67)		24.38		49.29	49.16	5. 55. 19.73	
	4	δ Ursæ Minoris S.P.....	E	49.7	54.1	0.0	22.6	27.7	39.1	42.9	47.2	4.7	9.0	6. 1. 37.18			40.86	30.17			.....	
	5	μ Geminorum.....	E	11.8	14.5	17.1	22.7	25.3	28.0	35.7	38.7	41.3	43.9	6. 16. 28.03			27.48	16.79	49.31		.....	
	6	β Canis Majoris.....	E	29.2	31.9	34.5	39.9	42.2	45.1	52.7	55.3	57.7	0.7	6. 17. 45.04			44.75	34.01	49.26		.....	
	7	ν Geminorum.....	E	18.6	21.1	23.8	29.2	31.9	34.7	42.3	44.9	47.5	50.3	6. 22. 34.55			34.03	23.31	49.28		.....	
	8	ξ Geminorum.....	E	57.2	59.6	2.1	7.3	9.9	12.4	19.8	22.6	25.0	27.5	6. 39. 12.46			11.99	1.30	49.31		.....	
Mar. 5	9	μ Geminorum.....	RC	11.5	14.1	16.9	22.3	25.0	27.6	35.4	38.3	40.9	43.6	6. 16. 27.69	+ 1.22		27.09	16.78	49.69	49.58	.....	
	10	δ I L.....	RC	0.4	16.4	43.2	46.0	48.6	...	...	...	...	...	6. 47. 48.68	(- 9.78)		48.11				6. 49. 45.00	
	11	Castor.....	RC	30.2	33.1	35.9	41.9	44.8	47.8	56.3	59.3	2.3	5.1	7. 27. 47.81	(- 1.97)		47.13	36.94	49.81		.....	
	12	β Cancri.....	RC	...	...	...	...	...	...	56.5	4.7	7.4	10.3	13.2	7. 56. 56.51			55.86	45.58	49.72		
	13	Groombridge 1119.....	RC	34.7	44.8	49.9	55.4	0.6	6.4	12.3	18.4	22.6	26.9	8. 4. 32.25			13.35	4.70	51.35		.....	
	14	γ Cancri.....	JS	46.8	49.4	52.0	57.3	0.0	3.0	10.6	13.3	15.9	18.7	8. 37. 2.82			2.23	51.78	49.55	49.36	.....	
	15	γ Cancri..... (E&E)	JS	3.8	19.7	35.5	51.8	7.5	23.4	39.4	...	...	...	8. 37. 2.55			1.96	51.78	49.82		.....	
	16	ϵ Hydræ.....	JS	44.8	47.2	49.7	54.8	57.3	59.8	7.2	9.6	12.2	14.7	8. 40. 59.85			59.37	48.86	49.49		.....	
	17	ϵ Hydræ..... (E&E)	JS	3.8	18.9	33.6	48.8	3.5	18.4	33.4	...	...	...	8. 40. 59.59			59.11	48.86	49.75		.....	
	18	Groombridge 3548 S.P.....	RC	50.3	56.8	1.8	6.7	12.8	17.1	21.2	27.6	32.4	37.1	9. 17. 16.41			21.81	12.07	50.26	49.58	.....	
	19	α Hydræ.....	RC	54.9	57.3	59.6	5.0	7.3	9.8	16.9	19.6	22.2	24.8	9. 22. 9.86			9.49	59.23	49.74		.....	
Mar. 6	20	$\odot$ I L.....	W	...	...	46.1	51.2	53.6	56.2	3.3	6.1	...	...	23. 2. 56.18	(- 10.69)	} 0.87				49.57	23. 4. 50.90	
	21	$\odot$ 2 L.....	W	51.3	53.6	56.2	1.3	3.6	6.6	13.6	16.1	18.7	21.1	23. 5. 6.33	(- 1.46)							
	22	Venus 1 L.....	W	16.8	...	21.7	...	...	...	31.9	...	...	...	23. 24. 31.91								
	23	Venus 2 L.....	W	...	20.1	...	27.3	29.8	...	39.7	...	44.7	...	23. 24. 32.43		} 31.77					23. 25. 21.81	
	24	Mercury (centre).....	W	...	59.8	2.3	7.0	9.7	12.6	19.6	22.5	24.8	...	23. 49. 12.42				11.99			23. 50. 2.03	
	25	Polaris.....	W	29.3	32.5	35.6	39.0	51.3	54.2	56.9	0.2	12.8	15.9	1. 24. 7.34				46.85	39.19		50.05	1. 24. 36.93
	26	β Arietis.....	W	...	...	...	...	...	...	49.3	52.0	7.7	23.9	1. 48. 36.37			35.76	25.77	50.01		1. 49. 25.85	
	27	α Arietis.....	W	...	...	...	56.6	59.3	2.0	9.8	12.6	15.2	...	2. 1. 1.99			1.35	51.42	50.07		2. 1. 51.44	
	28	α Ceti.....	W	16.6	19.0	21.4	26.7	29.0	31.6	38.9	41.5	43.9	46.5	2. 56. 31.62			31.15	21.15	50.00		2. 57. 21.26	
	29	ι Geminorum.....	W	18.9	21.3	24.2	29.6	32.3	35.0	43.0	45.6	48.5	51.0	5. 57. 35.06			34.42	24.60	50.18		5. 58. 24.59	
	30	ι Geminorum... (E&E)	W	35.5	51.7	7.8	23.9	39.9	56.1	12.4	...	...	...	5. 57. 34.99			34.35	24.60	50.25		.....	
	31	δ Ursæ Minoris S.P.....	W	23.1	26.1	29.4	32.6	46.3	49.9	52.8	55.6	6.7	10.2	6. 1. 34.02			40.52	30.82	50.30		18. 2. 30.69	
	32	μ Geminorum.....	W	11.1	13.6	16.2	21.6	24.3	27.1	35.0	37.7	40.6	43.0	6. 16. 27.15			26.51	16.76	50.25		6. 17. 16.69	
	33	β Canis Majoris.....	W	28.2	30.9	33.5	38.8	41.6	44.1	51.6	54.5	56.9	59.4	6. 17. 44.07			43.80	33.97	50.17		6. 18. 33.98	
	34	β Canis Majoris... (E&E)	W	46.3	1.7	17.2	33.0	48.4	3.9	19.4	...	...	...	6. 17. 43.93			43.66	33.97	50.31		.....	
	35	Neptune.....	W	59.7	2.6	5.2	10.8	13.2	16.0	23.7	26.7	29.2	32.0	6. 32. 16.04			15.41				6. 33. 5.59	
	36	Cephei 51.....	W	19.9	26.3	29.6	33.6	49.1	51.9	55.1	59.1	10.6	13.9	6. 56. 10.48			1.45	51.53	50.08		6. 56. 51.64	
	37	λ Ursæ Minoris S.P.....	W	6.8	11.3	16.7	20.8	31.9	35.5	38.7	42.4	53.3	56.7	7. 13. 54.32			17.55	7.67	50.12		19. 15. 7.74	
	38	56 Geminorum.....	W	...	...	...	29.6	32.3	35.0	42.9	45.5	48.3	50.8	7. 15. 35.09			34.47				7. 16. 24.67	
	39	61 Geminorum.....	W	19.1	21.5	24.1	29.6	32.1	34.9	42.7	45.4	47.9	50.7	7. 20. 34.92			34.30				7. 21. 24.50	
	40	Castor.....	W	29.7	32.7	35.5	41.6	44.6	47.4	55.9	58.9	1.9	4.8	7. 27. 47.44			46.72	36.93	50.21		7. 28. 36.92	
	41	Pollux.....	W	28.0	30.9	33.7	39.3	42.2	45.1	53.3	56.1	59.0	1.6	7. 38. 45.06			44.36	34.64	50.28		7. 39. 34.56	
	42	δ I L.....	W	...	27.1	30.2	35.5	38.2	40.9	48.7	51.3	53.8	...	7. 43. 40.83			40.24				7. 45. 38.32	
	43	Mösting A.....	W	...	32.3	35.0	40.7	43.3	45.9	53.8	56.7	59.2	...	7. 44. 46.98			45.39				7. 45. 38.38	
	44	Groombridge 1119.....	W	46.7	50.9	54.6	58.2	13.3	17.0	20.4	23.6	36.1	40.3	8. 4. 36.70			14.15	4.06	49.91		8. 5. 4.36	
	45	ξ Cancri.....	W	44.8	...	50.2	...	...	0.6	...	...	...	15.7	8. 6. 0.54			59.94				8. 6. 50.15	
	46	δ^1 Cancri.....	W	54.5	57.0	...	5.0	7.4	10.2	17.6	...	...	23.0	8. 17. 10.14			9.54	59.79	50.25		8. 17. 59.76	
	47	θ Cephei S.P.....	R. W	37.3	42.3	47.8	53.6	...	...	...	...	...	...	8. 27. 9.14			8.12				20. 27. 58.34	
	48	δ Hydræ.....	R. W	29.6	31.9	34.4	39.7	42.2	45.0	...	...	...	...	8. 34. 44.79			45.10				8. 35. 35.32	
	49	Juno.....	W	49.3	51.6	54.4	59.5	2.2	4.7	11.9	14.4	16.9	19.5	8. 40. 4.56			4.04				8. 40. 54.27	
	50	α Cancri.....	E	16.7	19.0	21.7	26.9	29.3	32.2	39.3	42.0	44.4	47.1	8. 52. 31.98			31.43	21.77	50.34	50.09	.....	
	51	Groombridge 3548 S.P.....	W	42.2	45.2	48.7	52.7	5.9	9.5	13.0	16.2	29.2	33.0	9. 17. 15.23			21.81	12.19	50.38	50.05	21. 18. 12.05	

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 15, 17, 30, and 34, $-169^s.12$: $-169^s.12$: $-108^s.99$: and $-108^s.99$.

Corrections for passage of Semidiameter, Nos. 3, 10, and 42, $+66^s.18$: $+67^s.19$: and $+67^s.90$.

3. Correction to R.A. on true meridian, $-0^s.01$.
4. Observed over wire R with the transit-micrometer set to readings $36^s.291$, $36^s.183$, $36^s.046$, $35^s.512$, $35^s.384$, $35^s.081$, $34^s.991$, $34^s.898$, $34^s.493$, $34^s.375$.
10. Very cloudy.
13. Observed over wire T with the transit-micrometer set to readings $35^s.603$, $35^s.648$, $35^s.670$, $35^s.694$, $35^s.741$, $35^s.802$, $35^s.851$, $35^s.891$, $35^s.920$, $35^s.959$.
18. Observed over wire U with the transit-micrometer set to readings $35^s.100$, $34^s.964$, $34^s.850$, $34^s.763$, $34^s.600$, $34^s.470$, $34^s.368$, $34^s.231$, $34^s.100$, $33^s.981$.
- 20, 21. Ill-defined.
24. A correction of $+0^s.036 \times .42 = +0^s.02$ for defect of illumination has been applied in forming the concluded transit.
25. Observed over wire T with the transit-micrometer set to readings $35^s.190$, $35^s.187$, $35^s.218$, $35^s.246$, $35^s.356$, $35^s.408$, $35^s.404$, $35^s.416$, $35^s.536$, $35^s.589$.
26. Observed over wires W, X, Y, and Z.
31. Observed over wire T with the transit-micrometer set to readings $36^s.268$, $36^s.192$, $36^s.122$, $36^s.028$, $35^s.708$, 35

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

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MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at oh Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.		
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		[Level].								
				s	s	s	s	s	s	s	s	s	s		h	m					s	[Azimuth].	
Mar. 6.	1	ξ Leonis.....	W	...	...	...	59.2	1.6	4.1	11.6	14.1	16.7	19.1	9. 26. 4.19	+ 1.22	3.64	53.84	50.20	50.05	9. 26. 53.88			
	2	o Leonis	E	4.3	6.6	9.2	...	16.8	19.3	26.7	29.2	31.7	34.3	9. 35. 19.35	(- 10.69)	18.82	9.12	50.30	50.09	.....			
	3	o Leonis.....(E&E)	E	23.2	38.1	53.4	8.4	23.3	38.2	53.2	...	...	...	9. 35. 19.38	(- 1.46)	18.85	9.12	50.27	50.09	.....			
	4	ε Leonis	E	26.1	28.8	31.3	37.1	39.7	42.5	50.4	53.1	55.7	58.6	9. 39. 42.46		41.81	32.09	50.28	50.09	.....			
	5	ε Leonis.....(E&E)	E	42.5	59.9	15.0	31.3	47.5	3.6	20.0	...	...	...	9. 39. 42.39		41.74	32.09	50.35	50.09	.....			
	6	γ ¹ Leonis.....	W	43.1	45.6	48.2	53.6	56.2	59.0	6.7	9.3	12.0	14.7	10. 13. 58.96		58.35	48.60	50.25	50.05	10. 14. 48.60			
	7	δ Leonis.....	W	38.7	41.1	43.6	48.8	51.2	53.6	0.9	3.5	5.9	8.4	10. 54. 53.68		53.21	43.53	50.32	50.05	10. 55. 43.48			
	8	ζ Cygni.....	JS	48.2	51.1	53.7	59.7	2.5	5.3	13.8	16.8	19.5	22.4	21. 8. 5.44	(- 11.07)	4.70	54.93	50.23	49.75	21. 8. 54.89			
	9	ε Pegasi	JS	28.1	30.4	33.1	38.2	40.6	43.3	50.6	53.0	55.7	58.1	21. 38. 43.23	(- 1.09)	42.71	32.93	50.22	[+ 0.50]	21. 39. 32.91			
Mar. 7	10	⊙ 1 L.....	JS	23.4	26.1	28.5	33.6	35.9	38.7	45.6	48.5	50.8	53.3	23. 6. 38.56		43.13				23. 8. 33.36			
	11	⊙ 2 L.....	JS	...	...	...	43.4	45.8	48.6	55.7	58.3	0.8	3.2	23. 8. 48.46		7.14				23. 29. 57.38			
	12	Venus 1 L.....	JS	52.1	...	57.3	...	...	7.3	...	17.2	...	22.1	23. 29. 7.32		40.57				23. 56. 31.01			
	13	Venus 2 L.....	JS	...	55.1	...	2.7	5.3	...	15.1	...	20.0	...	23. 29. 7.74		46.32	38.50	52.18	50.25	1. 24. 36.60			
	14	Mercury 1 L.....	JS	26.0	28.7	30.9	36.0	38.6	40.9	48.1	50.8	53.3	55.6	23. 55. 41.00		35.47	25.76	50.29	50.25	1. 49. 25.76			
	15	Polaris.....	JS	56.7	3.3	7.6	21.9	27.1	32.3	53.3	58.1	6.4	14.9	1. 24. 8.48		1.10	51.41	50.31	50.49	2. 1. 51.39			
	16	β Arietis.....	JS	20.2	22.7	25.3	30.9	33.3	36.1	43.7	46.7	49.2	51.6	1. 48. 36.09		1.51	52.10	50.59	50.49	.....			
	17	α Arietis.....	JS	45.5	48.3	51.0	56.2	59.0	1.7	9.5	12.4	15.1	17.6	2. 1. 1.76		38.18	28.76	50.58	50.25	5. 27. 12.25			
	18	ι Aurigæ.....	B	44.3	47.5	50.3	56.4	59.3	2.4	10.9	13.9	16.8	19.6	4. 50. 2.28		21.89	12.28	50.39	50.25	.....			
	19	ε Leporis.....	B	22.3	25.0	27.5	32.9	35.6	38.4	46.2	48.9	51.5	54.3	5. 0. 38.38		21.72	12.28	50.56	50.25	5. 36. 14.83			
	20	δ Orionis.....	JS	7.4	9.8	12.3	17.3	19.7	22.4	29.5	32.2	34.6	37.0	5. 26. 22.33		24.46	14.82	50.36	50.25	5. 58. 24.62			
	21	δ Orionis.....(E&E)	JS	26.4	41.1	56.0	10.9	25.6	40.3	55.4	...	...	...	5. 26. 22.16		34.25	24.59	50.34	50.25	.....			
	22	α Columbae.....	JS	...	...	...	...	...	33.3	36.2	39.2	42.3	...	5. 35. 24.52		33.94	24.59	50.34	50.25	.....			
	23	1 Geminorum.....	JS	18.7	21.2	24.0	29.4	32.2	34.9	42.8	45.5	48.1	51.0	5. 57. 34.91		40.52	31.15	50.63	50.25	18. 2. 30.90			
	24	1 Geminorum.....(E&E)	JS	34.6	51.0	7.4	23.4	39.3	55.3	11.6	...	...	...	5. 57. 34.60		13.48	...	...	50.40	6. 33. 3.87			
	25	δ Ursæ Minoris S.P.....	JS	45.1	50.3	54.3	59.0	3.2	7.8	12.7	16.8	21.0	25.2	6. 1. 33.44		59.46	49.86	50.40	50.40	6. 49. 49.85			
	26	Neptune.....	JS	58.0	0.7	3.2	8.7	11.4	14.1	21.9	24.7	27.3	30.0	6. 32. 14.13		0.24	51.19	50.95	50.40	6. 56. 50.63			
	27	θ Canis Majoris.....	JS	44.5	47.0	49.5	54.8	57.3	59.6	7.3	9.6	12.3	14.8	6. 48. 59.79		8.64	59.00	50.36	50.40	7. 7. 59.04			
	28	Cephei 51.....	JS	9.0	15.6	20.0	25.0	29.3	34.4	38.8	44.0	49.1	53.6	6. 56. 9.97		17.51	8.58	51.07	50.40	19. 15. 7.91			
	29	51 Geminorum.....	JS	53.6	56.2	58.8	4.0	6.7	9.2	16.7	19.4	21.9	24.6	7. 7. 9.23		13.94	3.41	49.47	50.40	8. 5. 4.36			
	30	λ Ursæ Minoris S.P.....	JS	59.6	8.2	13.1	18.3	24.3	29.4	34.7	39.4	45.5	50.6	7. 13. 52.31		59.66	...	...	50.40	8. 6. 50.08			
	31	Groombridge 1119.....	JS	21.6	29.6	35.7	40.9	46.3	51.9	57.4	3.7	10.7	17.0	8. 4. 38.33		9.35	59.77	50.42	50.40	8. 17. 59.77			
	32	ζ Cancri.....	JS	44.6	...	49.6	...	...	0.3	...	10.6	...	15.6	8. 6. 0.27		30.56	...	...	50.42	8. 42. 29.22			
	33	γ ¹ Cancri.....	JS	54.3	56.8	59.3	4.8	7.3	9.8	17.6	20.2	22.8	25.5	8. 17. 9.96		35.85	...	...	50.42	8. 42. 29.26			
	34	δ 1 L.....	JS	15.2	17.7	20.4	25.6	28.7	31.2	38.9	41.6	44.1	47.0	8. 40. 31.16		30.79	...	...	50.42	8. 52. 21.23			
	35	Mösting A.....	JS	20.4	23.0	25.8	31.1	33.7	36.6	44.2	46.9	49.5	52.1	8. 41. 36.45		13.06	...	...	50.42	9. 10. 3.50			
	36	o ² Cancri.....	JS	15.7	18.4	20.9	26.3	28.8	31.3	38.9	41.5	44.1	46.7	8. 51. 31.38		54.72	45.16	50.44	50.42	9. 13. 45.16			
	37	π ² Cancri.....	JS	58.1	0.7	3.1	8.6	11.1	13.6	21.1	23.7	26.4	28.8	9. 9. 13.64		21.94	12.30	50.36	50.42	21. 18. 12.38			
	38	83 Cancri.....	JS	39.5	42.2	44.8	49.9	52.7	55.4	3.0	5.6	8.2	10.8	9. 12. 55.33		43.47	33.92	50.45	50.42	10. 21. 33.94			
	39	Groombridge 3548 S.P.....	JS	46.7	52.9	57.2	2.6	34.1	45.2	50.0	2.6	7.3	12.1	9. 17. 14.77		56.92	47.41	50.49	50.42	10. 37. 47.39			
	40	μ Hydræ.....	JS	...	30.7	33.4	38.6	41.0	43.7	51.2	53.9	56.6	...	10. 20. 43.76									
	41	34 Sextantis.....	JS	42.5	44.7	47.3	52.5	54.9	57.4	4.7	7.2	9.6	12.1	10. 36. 57.40									
Mar. 8	42	δ 1 L.....	E	...	33.3	35.7	41.2	43.6	46.6	53.9	56.8	59.5	...	9. 37. 46.44	(- 10.42)	45.91	...	...	51.09	9. 39. 45.49			
	43	Mösting A.....	E	36.8	39.4	42.0	47.4	49.7	52.7	0.2	3.1	5.5	8.0	9. 38. 52.60	(- 1.14)	52.07	...	...	[+ 0.48]	9. 39. 45.62			
	44	μ Leonis.....	E	19.0	21.6	24.4	30.0	32.8	35.6	43.7	46.6	49.2	52.0	9. 46. 35.62		34.98	26.24	51.26	51.09	.....			
	45	Regulus.....	E	16.9	19.5	22.1	27.3	29.6	32.5	39.7	42.4	44.9	47.4	10. 2. 32.35		31.83	23.11	51.28	51.09	.....			
	46	37 Leonis.....	E	33.1	35.5	38.0	43.3	45.9	48.4	55.8	58.7	1.1	3.6	10. 10. 48.46		47.93	...	...	51.09	10. 11. 39.22			
	47	ρ Leonis.....	E	46.8	49.3	52.0	57.0	59.3	2.0	9.4	12.0	14.4	17.0	10. 27. 2.04		1.54	52.87	51.33	51.09	.....			
Mar. 9	48	δ Ursæ Minoris S.P.....	J	31.4	39.4	45.1	50.4	55.5	59.0	3.4	7.4	12.2	16.7	6. 1. 34.57	(- 9.15)	39.97	31.86	51.89	51.00	18. 2. 31.09			
	49	η Geminorum.....	J	...	8.3	10.9	16.5	19.1	21.8	29.6	32.6	35.0	...	6. 8. 21.85	(- 1.19)	21.32	12.44	51.12	51.00	6. 9. 12.44			
	50	μ Geminorum.....	J	9.9	12.7	15.2	20.8	23.3	26.0	33.9	36.8	39.3	42.0	6. 16. 26.12		25.59	16.70	51.11	51.00	6. 17. 16.72			
	51	Cephei 51.....	J	1.9	8.2	13.4	17.2	21.2	26.2	31.0	35.2	39.3	44.6	6. 56. 6.65		59.14	50.45	51.31	51.00	6. 56. 50.28			

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 3, 5, 21, and 24, - 108^s.96: - 108^s.96: - 108^s.73: and - 108^s.71.
Corrections for passage of Semidiameter, Nos. 14, 34, and 42, + 0^s.19: + 68^s.25:

MONTH And DAY.	No. for Reference	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
Mar. 9	1	ζ Geminorum.....	J	...	...	...	...	39.2	41.9	49.7	52.6	55.0	57.6	6. 57. 41.97	+ 1.22		41.45	32.52	51.07	51.00	6. 58. 32.59
	2	λ Ursæ Minoris S.P.....	J	14.3	19.1	26.9	40.1	44.4	49.7	55.1	59.3	2.8	8.0	7. 14. 0.16	(- 9.15)		19.47	10.55	51.08	[+ 0.48]	19. 15. 10.61
	3	β Canis Minoris	JS	57.7	0.2	2.7	7.7	10.3	12.8	20.2	22.7	25.2	27.6	7. 21. 12.83	(- 1.19)		12.41	3.80	51.39	51.24	.....
	4	Procyon	J	...	20.3	22.7	27.6	30.2	32.9	40.0	42.7	45.0	...	7. 33. 32.79			32.39	23.55	51.16	51.00	7. 34. 23.54
	5	Groombridge 1119	J	1.0	7.0	11.1	24.5	27.9	31.7	43.7	49.3	54.6	11.3	8. 4. 28.36			9.60	1.97	52.37		8. 5. 1.76
	6	d ¹ Cancri	J	53.4	55.9	58.7	3.8	6.6	9.1	16.7	19.3	22.0	24.8	8. 17. 9.15			8.65	59.75	51.10		8. 17. 59.81
	7	Groombridge 3548 S.P..	J	18.3	23.2	27.4	42.1	46.4	52.3	5.6	8.9	12.7	24.9	9. 17. 16.04			21.50	12.57	51.07		21. 18. 12.69
	8	δ ¹ Leonis	J	48.9	51.2	53.6	59.1	1.5	4.3	11.9	14.5	17.0	19.4	10. 35. 4.26			3.82				10. 37. 3.24
	9	l Leonis	J	14.3	16.7	19.0	24.3	26.8	29.3	36.7	39.2	41.6	44.5	10. 43. 29.36			28.92	20.15	51.23		10. 44. 20.13
	10	d Leonis	J	...	...	...	...	...	...	59.9	2.5	5.1	7.4	10. 54. 52.75			52.36	43.54	51.18		10. 55. 43.61
	11	τ Leonis	J	1.5	4.0	6.6	11.3	13.9	16.6	23.7	26.4	28.7	31.2	11. 22. 16.50			16.12	7.35	51.23		11. 23. 7.35
	12	Bradley 3147 S.P.....	J	5.9	9.6	14.1	27.7	31.7	36.6	49.3	53.0	57.1	10.8	11. 26. 36.73			42.45	32.91	50.46		23. 27. 33.68
	13	β Virginis	J	43.3	45.4	48.0	53.3	55.6	58.1	5.3	7.9	10.4	12.9	11. 44. 58.13			57.75	49.07	51.32		11. 45. 48.98
	14	β Virginis.....(E&E)	J	2.2	16.9	...	...	...	16.1	31.3	...	...	...	11. 44. 57.80			57.42	49.07	51.65		.....
	15	π Virginis.....	J	58.5	1.1	...	8.6	11.2	13.6	20.8	...	25.9	28.3	11. 55. 13.60			13.19	4.49	51.30		11. 56. 4.43
	16	π Virginis.....(E&E)	J	17.3	32.3	...	...	...	31.9	46.9	...	...	...	11. 55. 13.27			12.86	4.49	51.63		.....
	17	Bradley 1672	J	35.4	41.1	46.0	59.3	3.7	8.2	21.8	27.3	31.2	43.8	12. 14. 10.31			58.74	50.22	51.48		12. 14. 49.98
Mar. 11	18	ο Virginis.....	JS	19.2	21.6	24.1	29.3	31.7	34.3	41.7	44.2	46.8	49.3	11. 59. 34.34	(- 2.21)		33.86	26.39	52.53	52.24	.....
	19	ο Virginis.....(E&E)	JS	38.3	53.4	8.2	23.3	38.2	53.1	8.5	...	...	...	11. 59. 34.07			33.59	26.39	52.80		.....
	20	10 Virginis	JS	46.4	48.9	51.3	56.3	58.9	1.3	8.7	11.2	13.5	16.1	12. 4. 1.37			0.94				12. 4. 53.42
	21	Bradley 1672	JS	46.8	50.9	58.5	14.5	19.6	26.4	43.3	48.2	53.2	3.0	12. 14. 8.48			58.20	50.70	52.50		.....
	22	8 ² Corvi	JS	53.3	55.8	58.7	3.7	6.4	9.1	16.6	19.2	21.6	24.3	12. 24. 8.99			8.88	1.22	52.34		.....
	23	8 ² Corvi.....(E&E)	JS	11.3	27.0	42.3	58.0	13.5	28.8	44.4	...	...	...	12. 24. 8.68			8.57	1.22	52.65		.....
	24	Mösting A.....	JS	...	...	...	34.5	36.9	39.5	...	49.4	52.0	54.7	12. 30. 39.52			39.30				12. 31. 28.31
	25	κ ² L.....	JS	...	31.4	33.8	39.1	41.6	44.3	51.6	54.4	56.8	...	12. 31. 44.24			44.02				12. 31. 28.21
	26	γ ¹ Virginis	JS	47.6	...	52.7	...	...	2.6	...	12.3	...	17.1	12. 36. 2.58			2.17				12. 36. 54.66
	27	γ ² Virginis	JS	...	50.4	...	57.9	0.3	...	10.0	...	15.0	...	12. 36. 2.82			2.41				12. 36. 54.90
	28	35 Virginis.....	JS	58.1	0.7	3.2	8.2	10.6	13.3	20.4	23.0	25.3	27.7	12. 42. 13.16			12.71	5.30	52.59		.....
	29	35 Virginis.....(E&E)	JS	16.6	31.8	47.3	2.3	17.0	31.9	47.0	...	...	...	12. 42. 12.80			12.35	5.30	52.95		.....
Mar. 12	30	θ Canis Majoris.....	E	41.5	44.1	46.6	51.6	54.2	56.8	4.3	6.7	9.3	11.8	6. 48. 56.81	+ 1.74		56.58	49.77	53.19	53.09	.....
	31	ε Canis Majoris.....	E	46.3	49.2	51.9	57.6	0.5	3.4	11.6	14.6	17.3	20.1	6. 54. 3.38	(- 7.24)		3.26	56.43	53.17	[+ 0.43]	.....
	32	Cephei 51	E	49.9	56.7	1.6	20.8	27.3	40.4	44.7	48.3	4.5	9.2	6. 56. 1.34	(- 2.05)		57.33	49.18	51.85		.....
	33	λ Ursæ Minoris S.P.....	E	56.5	1.6	7.4	31.6	36.6	48.7	53.0	58.5	17.3	22.2	7. 14. 11.12			20.74	13.98	53.24		.....
	34	Groombridge 1119	E	13.2	20.3	25.5	49.5	54.6	10.8	15.0	19.3	37.7	43.1	8. 4. 14.13			4.41	59.30	54.89		.....
	35	β Cancri	E	17.6	20.4	22.8	27.9	30.5	33.0	40.3	42.8	45.3	47.8	8. 10. 33.96			32.62	25.85	53.23		.....
	36	d ¹ Cancri	E	51.2	53.5	56.5	1.5	4.3	6.9	14.4	17.3	19.6	22.3	8. 17. 6.87			6.48	59.72	53.24		.....
	37	d ¹ Cancri.....(E&E)	E	9.4	25.1	40.8	56.3	11.9	27.5	43.2	...	...	...	8. 17. 6.87			6.48	59.72	53.24		.....
	38	83 Cancri.....	E	36.5	39.2	41.6	46.9	49.5	52.3	59.9	2.4	5.1	7.7	9. 12. 52.23			51.84	45.13	53.29		.....
	39	83 Cancri.....(E&E)	E	54.9	10.6	26.0	41.6	57.0	12.9	28.5	...	...	...	9. 12. 52.15			51.76	45.13	53.37		.....
	40	Groombridge 3548 S.P..	E	19.7	24.2	28.4	45.6	51.2	3.7	8.6	12.6	20.2	34.2	9. 17. 17.92			20.51	13.14	52.63		.....
	41	α Hydre.....	E	51.1	53.4	56.1	1.1	3.6	6.2	13.5	16.1	18.7	21.2	9. 22. 6.22			5.98	59.19	53.21		.....
Mar. 14	42	ρ Leonis.....	E	44.8	47.3	49.7	55.0	57.2	59.7	7.2	9.7	12.2	14.8	10. 26. 59.88			59.54	52.87	53.33		.....
	43	ρ Leonis.....(E&E)	E	4.2	19.4	34.3	49.5	4.4	19.3	34.5	...	...	...	10. 26. 59.87			59.53	52.87	53.34		.....
	44	34 Sextantis.....	E	39.3	41.8	44.2	49.4	51.8	54.4	1.7	4.4	6.8	9.2	10. 36. 54.41			54.10	47.42	53.32		.....
	45	⊙ 1 L.....	S	5.9	8.4	11.0	15.9	18.6	...	28.1	30.8	32.9	35.3	23. 32. 20.90	(- 1.50)					53.51	23. 34. 19.34
	46	⊙ 2 L.....	S	15.2	17.8	20.4	25.2	27.6	30.3	37.6	40.1	42.5	45.0	23. 34. 30.28			25.35			[+ 0.47]	.....
	47	ε Orionis.....	S	16.9	19.4	21.6	27.0	29.4	32.1	39.2	...	44.2	46.7	5. 30. 32.69			32.45	26.52	54.07	53.98	.....
	48	κ Orionis.....	S	8.1	10.7	13.0	18.3	20.8	23.3	...	...	35.5	38.2	5. 42. 24.04			23.85	17.89	54.04		.....
	49	α Orionis.....	S	55.4	57.6	...	5.4	7.8	10.5	17.6	20.2	...	25.2	5. 49. 11.13			10.84	5.01	54.17		.....
	50	δ Ursæ Minoris S.P.....	S	41.4	50.7	58.3	4.2	8.9	20.3	26.7	33.2	39.2	51.4	6. 1. 36.63			39.69	33.80	54.11		.....
	51	η Geminorum.....	S	2.6	5.2	7.7	13.2	15.8	18.6	26.4	29.1	31.7	34.6	6. 8. 18.62			18.24	12.35	54.11		.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 14, 16, 19, 23, 29, 37, 39, and 43, - 108^s.93: - 108^s.93: - 108^s.30: - 108^s.30: - 108^s.27: - 108^s.52: - 108^s.57: and - 108^s.58.

Corrections for passage of Semidiameter, Nos. 8, and 25, + 68^s.22: and - 68^s.30.

- Observed over wire T with the transit-micrometer set to readings 35^s.492, 35^s.439, 35^s.397, 35^s.296, 35^s.256, 35^s.218, 35^s.179, 35^s.148, 35^s.124, 35^s.087.
- Observed over wire R with the transit-micrometer set to readings 35^s.533, 35^s.509, 35^s.591, 35^s.707, 35^s.739, 35^s.747, 35^s.833, 35^s.881, 35^s.909, 36^s.040.
- Observed over wire R with the transit-micrometer set to readings 35^s.106, 35^s.002, 34^s.927, 34^s.577, 34^s.469, 34^s.310, 34^s.001, 33^s.908, 33^s.859, 33^s.538.
- Correction to R.A. on true meridian - 0^s.01.
- Observed over wire Q with the transit-micrometer set to readings 36^s.703, 36^s.609, 36^s.513, 36^s.176, 36^s.077, 36^s.013, 35^s.699, 35^s.644, 35^s.552, 35^s.217.
- Observed over wire T with the transit-micrometer set to readings 37^s.074, 37^s.179, 37^s.223, 37^s.363, 37^s.424, 37^s.493, 37^s.652, 37^s.711, 37^s.773, 37^s.878.
- Observed over wire T with the transit-micrometer set to readings 34^s.333, 34^s.314, 34^s.365, 34^s.559, 34^s.623, 34^s.717, 34^s.903, 34^s.973, 35^s.038, 35^s.191.
- Reduction to D's centre at time of transit of Crater, - 3^s.34. A further correction of - 0^s.14 has been applied to reduce to time of transit of D's centre on true meridian.
- Observed over wire T with the transit-micrometer set to readings 35^s.788, 35^s.899, 36^s.008, 36^s.375, 36^s.510, 36^s.770, 36^s.844, 36^s.930, 37^s.276, 37^s.329.
- Observed over wire R with the transit-micrometer set to readings 36^s.397, 36^s.385, 36^s.355, 36^s.179, 36^s.128, 36^s.045, 36^s.018, 35^s.985, 35^s.848, 35^s.811.
- Observed over wire S with the transit-micrometer set to readings 35^s.185, 35^s.250, 35^s.275, 35^s.472, 35^s.496, 35^s.606, 35^s.650, 35^s.659, 35^s.835, 35^s.880.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	(Azimuth).					
				s	s	s	s	s	s	s	s	s	s		"	"	s	s	s	s	h m s
Mar. 16	1	α^1 Herculis.....	SD	11.4	13.7	16.5	21.6	24.0	26.8	34.2	36.9	39.4	42.0	17. 9. 26.77	+ 1.74		26.22	21.76	55.54	55.08	.....
	2	Mösting A.....	SD	10.7	13.3	16.0	21.4	24.3	27.1	34.8	37.6	40.4	42.9	17. 27. 26.97	(- 10.23)		26.67			[+ 0.52]	17. 28. 10.06
	3	δ 2 L.....	SD	9.6	12.3	14.8	20.7	23.3	26.0	33.7	36.5	39.3	42.0	17. 28. 25.94	(- 2.85)		25.64				17. 28. 10.26
	4	β Ophiuchi.....	SD	39.6	42.1	44.7	49.7	52.2	...	...	...	...	9.4	17. 37. 54.69			54.20	49.67	55.47		.....
	5	μ Herculis.....	SD	35.0	37.7	40.7	46.3	48.8	...	...	...	5.9	8.7	17. 41. 51.94			51.31	46.67	55.36		.....
	6	δ Herculis.....	SD	...	...	31.4	...	...	...	50.8	53.5	56.3	59.1	17. 50. 42.70			42.08	37.53	55.45		.....
	7	δ Ursæ Minoris.....	SD	17.6	23.2	28.1	42.4	46.8	52.3	6.7	10.8	17.0	31.2	18. 1. 44.80			39.18	34.65	55.47		.....
Mar. 17	8	$\odot$ 1 L.....	BE	3.2	5.6	8.0	13.2	15.5	18.2	25.4	27.9	30.3	32.7	23. 43. 18.11	[+ 0.44]		22.50			54.86	23. 45. 17.87
	9	$\odot$ 2 L.....	BE	12.3	14.8	17.3	22.5	25.0	27.3	34.5	37.3	39.6	42.3	23. 45. 27.40			21.61	17.12	55.51	55.38	.....
	10	γ Geminorum.....	BE	6.7	9.0	11.5	16.9	19.4	22.1	29.5	32.1	34.8	37.4	6. 31. 22.06			54.18	49.68	55.50		.....
	11	θ Canis Majoris.....	BE	39.2	41.6	44.0	49.2	51.6	54.4	1.6	4.4	6.8	9.4	6. 48. 54.34			0.95	54.78	53.83		.....
	12	Groombridge 1119.....	BE	5.8	6.13	0.27	1.55	7.13	7.28	6.35	6.49	0.16	6.29	8. 4. 24.67			30.24	25.78	55.54		.....
	13	β Cancri.....	BE	15.4	17.9	20.5	25.4	28.0	30.7	38.0	40.5	43.0	45.5	8. 10. 30.61			53.52	48.74	55.22	55.06	.....
	14	ϵ Hydrae.....	JS	38.8	41.3	43.7	48.8	51.4	53.9	1.2	3.6	6.1	8.7	8. 40. 53.87			26.40	21.68	55.28		.....
	15	α Cancri.....	JS	11.4	14.1	16.6	21.6	24.2	26.8	34.3	36.8	39.4	41.6	8. 52. 26.80			18.84	14.25	55.41	55.38	.....
	16	Groombridge 3548 S.P.....	BE	56.0	6.4	12.2	19.6	27.0	34.6	41.3	50.1	1.3	8.4	9. 17. 11.73			58.14	53.77	55.63		.....
	17	ξ Leonis.....	BE	43.3	45.6	48.1	53.4	56.0	58.7	5.9	8.6	11.1	13.5	9. 25. 58.54			37.83	33.04	55.21		.....
	18	Bradley 3147 S.P.....	BE	33.0	50.4	57.7	13.6	20.7	33.3	42.7	56.4	2.7	15.3	11. 26. 30.39			21.42	17.09	55.67		.....
	19	β Leonis.....	BE	6.3	8.8	11.4	16.7	19.3	21.8	29.3	32.1	34.6	37.0	11. 43. 21.85			53.45	49.13	55.68		.....
	20	β Virginis.....	BE	38.8	41.2	43.6	48.8	51.3	53.7	1.0	3.6	6.0	8.4	11. 44. 53.75			30.80	26.43	55.63		.....
	21	α Virginis.....	BE	16.0	18.6	20.9	26.0	28.6	31.3	38.6	41.0	43.5	46.0	11. 59. 31.17							.....
Mar. 18	22	π Leonis.....	SE	5.1	7.4	10.0	15.2	17.6	20.1	27.4	30.0	32.2	34.9	9. 54. 20.11	(- 9.47)		19.69	15.83	56.14	55.98	.....
	23	Regulus.....	SE	12.1	14.7	17.1	22.4	24.7	27.3	34.6	37.2	39.8	42.3	10. 2. 27.34	(- 1.72)		26.88	23.07	56.19		.....
	24	γ^1 Leonis.....	SE	37.0	39.5	42.3	47.9	50.2	53.0	0.6	3.2	5.9	8.3	10. 13. 52.91			52.40	48.57	56.17		.....
	25	χ Leonis.....	SE	0.4	2.8	5.4	10.6	13.2	15.4	22.6	25.4	27.8	30.3	10. 59. 15.51			15.09	11.26	56.17		.....
	26	δ Leonis.....	SE	56.0	58.7	1.2	6.7	9.3	12.1	20.0	22.4	25.2	27.7	11. 8. 12.05			11.53	7.77	56.24		.....
	27	Bradley 3147 S.P.....	SE	4.0	17.8	26.8	1.9	12.2	21.8	1.2	13.3	20.0	48.3	11. 26. 31.85			36.82	33.06	56.24		.....
	28	β Virginis.....	SE	38.5	40.7	43.1	48.4	50.7	53.3	0.6	2.9	5.7	7.9	11. 44. 53.29			52.91	49.13	56.22		.....
	29	ρ Virginis.....	SE	57.6	59.9	2.6	7.6	10.2	12.9	20.1	22.6	25.2	27.7	12. 36. 12.76			12.32	8.74	56.42		.....
Mar. 19	30	γ Tauri.....	JS	14.7	17.2	19.7	24.9	27.5	30.2	37.7	40.3	42.9	45.6	4. 13. 30.19	+ 1.78		29.81	26.01	56.20	56.15	.....
	31	λ Ursæ Minoris S.P.....	JS	33.8	41.3	46.7	52.8	3.3	8.0	13.0	26.2	31.3	36.3	7. 14. 12.21	(- 7.95)		25.21	21.49	56.28		.....
	32	β Canis Minoris.....	JS	52.6	55.0	57.5	2.5	5.2	7.7	15.0	17.6	20.1	22.5	7. 21. 7.69	(- 1.41)		7.35	3.64	56.29		.....
	33	β Canis Minoris (E&E).....	JS	11.6	26.7	41.5	56.7	11.5	26.5	41.8	...	...	...	7. 21. 7.31			6.97	3.64	56.67		.....
	34	Castor.....	JS	23.2	25.9	28.9	34.8	37.9	41.0	49.3	52.3	55.2	58.1	7. 27. 40.80			40.31	36.70	56.39		.....
	35	Castor.....(E&E).....	JS	37.1	54.4	12.5	30.0	47.2	4.8	22.4	...	...	...	7. 27. 40.48			39.99	36.70	56.71		.....
	36	Pollux.....	JS	21.6	24.4	27.0	32.8	35.6	38.7	46.7	49.7	52.6	55.3	7. 38. 38.58			38.13	34.42	56.29		.....
Mar. 20	37	$\odot$ 1 L.....	S	58.7	0.8	3.3	8.4	10.8	13.4	20.9	23.3	...	...	23. 54. 13.46	(- 7.60)		17.51			56.46	23. 56. 14.51
	38	$\odot$ 2 L.....	S	...	...	...	...	19.8	22.3	29.5	32.1	34.2	36.9	23. 56. 22.23	(- 2.68)		52.47	49.62	57.15	[+ 0.54]	.....
	39	θ Canis Majoris.....	S	37.5	40.0	42.3	47.7	50.2	52.8	0.2	2.8	...	...	6. 48. 52.75					57.00		.....
Mar. 21	40	$\odot$ 2 L.....	RC	45.5	48.0	50.3	55.3	57.9	0.3	...	...	...	...	0. 0. 0.40	(- 7.26)		59.98			57.63	23. 59. 53.12
	41	ϵ Hydrae.....	RC	36.1	38.7	41.3	46.1	48.8	51.3	58.6	1.2	3.6	6.3	8. 40. 51.32	(- 4.49)		50.88	48.69	57.81	[+ 0.52]	.....
	42	α Cancri.....	RC	...	...	...	...	...	...	31.7	34.3	36.7	39.4	8. 52. 24.32			23.86	21.63	57.77		.....
	43	δ 3 Cancri.....	RC	32.0	34.6	36.9	42.4	44.9	47.5	55.2	57.9	0.5	3.1	9. 12. 47.62			47.15	45.04	57.89		.....
	44	Groombridge 3548 S.P.....	RC	52.9	1.6	9.2	21.2	26.3	31.7	45.8	51.2	56.3	7.7	9. 17. 16.48			17.19	15.03	57.84		.....
	45	α Hydrae.....	JS	46.9	49.3	51.6	56.8	59.3	2.1	9.3	11.7	14.3	16.8	9. 22. 1.93			1.54	59.11	57.57	57.34	.....
	46	α Hydrae.....(E&E).....	JS	6.7	21.5	36.5	51.7	6.3	21.4	36.2	...	...	...	9. 22. 1.62			1.23	59.11	57.88		.....
	47	ξ Leonis.....	JS	...	...	46.3	51.5	54.0	56.7	4.3	6.7	...	...	9. 25. 56.68			56.22	53.73	57.51		.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 33, 35, and 46, - 109^s.38 : - 109^s.38 : and - 109^s.93.
 Corrections for passage of Semidiameter, Nos. 3, and 40, - 70^s.83 : and - 64^s.46.

2. Reduction to D's centre at time of transit of Crater, - 11^s.55. A further correction of - 0^s.52 has been applied to reduce to time of transit of D's centre on true meridian.
 3. Correction to R.A. on true meridian, - 0^s.01.
 4. Cloudy.
 5. Observed over wire O with the transit-micrometer set to readings 34^s.210, 34^s.341, 34^s.449, 34^s.809, 34^s.920, 35^s.039, 35^s.380, 35^s.477, 35^s.630, 35^s.975.
 12. Observed over wire T with the transit-micrometer set to readings 33^s.519, 33^s.630, 33^s.721, 33^s.942, 34^s.065, 34^s.212, 34^s.259, 34^s.340, 34^s.570, 34^s.662.
 16. Observed over wire T with the transit-micrometer set to readings 34^s.940, 34^s.716, 34^s.568, 34^s.390, 34^s.232, 34^s.037, 33^s.854, 33^s.675, 33^s.429, 33^s.225.
 18. Observed over wire T with the transit-micrometer set to readings 35^s.050, 35^s.547, 35^s.377, 35^s.017, 34^s.854, 34^s.562, 34^s.360, 34^s.054, 33^s.901, 33^s.636.
 27. Observed over wire V with the transit-micrometer set to readings 36^s.765, 36^s.437, 36^s.257, 35^s.462, 35^s.187, 34^s.981, 34^s.077, 33^s.852, 33^s.681, 33^s.051.
 31. Observed over wire R with the transit-micrometer set to readings 36^s.636, 36^s.538, 36^s.480, 36^s.447, 36^s.372, 36^s.331, 36^s.293, 36^s.226, 36^s.173, 36^s.145.
 44. Observed over wire T with the transit-micrometer set to readings 37^s.965, 37^s.780, 37^s.617, 37^s.319, 37^s.248, 37^s.069, 36^s.700, 36^s.540, 36^s.460, 36^s.210.
 40. Very cloudy.

MONTH AND DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Mar. 22	1	☉ I L.....	W	14.5	17.2	19.4	24.6	27.0	29.6	36.8	39.4	41.7	44.1	0. 1. 29.54	+ 1.78	29.16			58.06	0. 3. 31.65
	2	Mercury I L.....	W	...	...	...	19.4	22.0	24.7	31.9	34.6	37.1	39.6	1. 2. 24.63	(- 7.26)	24.22			[+ 0.44]	1. 3. 22.59
	3	α Ceti.....	W	...	10.8	13.3	18.3	20.8	23.3	30.6	33.1	35.5	...	2. 56. 23.32	(- 3.76)	22.92	20.94	58.02		2. 57. 21.03
	4	α Ceti.....(E&E)	W	29.4	44.3	59.0	13.9	28.7	43.5	58.4	...	...	...	2. 56. 23.19		22.79	20.94	58.15		.....
	5	η Tauri.....	W	...	41.6	44.4	49.9	52.6	55.4	3.3	6.1	8.8	...	3. 40. 55.38		54.91	52.95	58.04		3. 41. 53.04
	6	η Tauri.....(E&E)	W	...	13.6	29.8	45.9	2.2	18.3	...	...	...	...	3. 40. 55.29		54.82	52.95	58.13		.....
	7	ο Leonis.....	W	55.9	58.4	1.0	6.1	8.7	11.3	18.6	21.1	23.5	26.1	9. 35. 11.19		10.77	9.02	58.25		9. 36. 9.01
	8	ε Leonis.....	W	17.7	20.5	23.2	28.7	31.4	34.1	42.1	44.9	47.6	50.3	9. 39. 34.18		33.71	32.00	58.29		9. 40. 31.95
	9	μ Hydræ.....	W	20.3	22.8	25.3	30.7	33.3	36.0	43.2	45.8	48.5	51.1	10. 20. 35.82		35.51	33.87	58.36		10. 21. 33.76
	10	ι Leonis.....	W	7.1	9.5	12.1	17.3	19.6	22.2	29.5	32.1	34.7	37.3	10. 43. 22.26		21.83	20.14	58.31		10. 44. 20.09
	11	δ Crateris.....R	W	...	28.6	31.0	36.4	38.9	41.3	49.0	51.3	54.1	...	11. 13. 41.44		41.53	39.76	58.23		11. 14. 39.80
	12	Bradley 3147 S.P.....R	W	31.7	35.4	39.9	43.6	5.9	13.7	17.4	21.0	...	...	11. 26. 45.96		34.41	33.11	58.70		.....
	13	Bradley 3147 S.P.....	W	30.0	32.8	36.4	39.6	56.0	59.2	2.1	5.6	20.6	23.4	11. 26. 33.85		35.20	33.11	57.91		.....
	14	β Virginis.....	W	36.3	38.8	41.2	46.3	48.9	51.3	58.6	1.0	3.4	5.9	11. 44. 51.28		50.89	49.15	58.26		11. 45. 49.17
	15	Bradley 1672.....	W	5.7	9.3	12.9	16.7	31.3	34.6	37.5	41.2	53.4	56.6	12. 13. 58.26		54.41	51.88	57.47		.....
Mar. 23	16	θ Canis Majoris.....	JS	36.3	38.7	41.2	46.4	49.0	51.4	59.0	1.4	4.0	6.7	6. 48. 51.53	(- 2.99)	51.25	49.56	58.31	58.22	.....
	17	θ Canis Majoris.(E&E)	JS	57.9	12.7	...	...	...	13.4	28.8	...	...	...	6. 48. 51.18		50.90	49.56	58.66	[+ 0.48]	.....
	18	Cephei 51.....	JS	18.7	25.7	30.0	35.0	39.9	45.2	50.0	55.1	9.2	...	6. 55. 49.78		46.56	44.78	58.22		.....
	19	ζ Geminorum.....	JS	18.4	21.1	23.6	29.0	31.6	34.4	42.2	44.9	47.3	50.0	6. 57. 34.37		34.41	32.27	58.33		.....
	20	51 Geminorum.....	JS	45.3	47.7	50.4	55.5	58.0	0.8	8.2	11.1	13.5	16.1	7. 7. 0.78		0.36	58.73	58.37		.....
	21	51 Geminorum.....(E&E)	JS	6.4	21.5	37.1	52.5	8.2	23.3	38.8	...	...	...	7. 7. 0.50		0.08	58.73	58.65		.....
	22	λ Ursæ Minoris S.P.....	JS	44.0	49.0	54.3	59.1	4.5	10.4	14.7	18.8	23.3	29.9	7. 14. 20.77		28.04	26.07	58.03		.....
	23	υ Geminorum.....R	JS	...	...	...	...	...	...	...	...	...	...	7. 29. 9.33		9.87	...	...		7. 30. 8.24
	24	Pollux.....R	JS	...	...	24.0	29.6	32.6	35.3	43.6	46.6	...	...	7. 38. 35.40		35.94	34.35	58.41		.....
	25	Groombridge 1374.....R	JS	2.8	11.9	20.8	39.6	48.9	...	...	...	...	...	7. 47. 57.68		0.03	...	...		7. 48. 58.41
Mar. 25	26	☉ I L.....	PM	8.2	10.7	13.0	18.1	20.6	23.2	30.5	32.8	35.4	37.6	0. 12. 23.12						.....
	27	☉ 2 L.....	PM	...	...	21.9	26.8	29.5	31.7	39.1	41.6	...	...	0. 14. 31.86						.....
Mar. 26	28	☉ I L.....	W	...	...	...	55.9	58.4	1.0	8.1	10.8	13.0	15.6	0. 16. 0.91						.....
	29	☉ 2 L.....	W	54.6	57.2	59.4	4.6	7.0	9.6	16.8	19.4	21.7	24.3	0. 18. 9.57						.....
Mar. 27	30	☉ I L.....	JS	23.9	26.7	28.6	33.8	36.3	38.8	46.1	48.7	51.0	53.5	0. 19. 38.85	+ 1.74				60.20	0. 21. 43.09
	31	☉ 2 L.....	JS	32.8	35.2	37.6	42.8	45.2	47.7	54.9	57.3	59.9	2.7	0. 21. 47.72	(- 7.57)	42.88			[+ 0.42]	.....
	32	Venus I L.....	JS	43.4	...	48.3	...	...	58.4	...	8.4	...	13.3	0. 59. 58.48	(- 3.87)	58.33				1. 0. 58.55
	33	Venus 2 L.....	JS	...	46.6	...	54.1	56.4	...	6.1	...	11.3	...	0. 59. 59.01						.....
	34	Polaris.....	JS	5.8	10.8	15.6	31.7	37.7	42.7	54.7	58.7	3.3	11.0	1. 23. 35.12		28.94	29.09	60.15		.....
	35	γ ¹ Leonis.....	JS	32.8	35.3	37.8	43.2	46.0	48.6	56.3	59.0	1.5	4.4	10. 13. 48.61		48.13	48.51	60.38		.....
	36	γ ¹ Leonis.....(E&E)	JS	58.2	13.5	29.8	...	1.5	17.3	33.0	...	...	...	10. 13. 48.32		47.84	48.51	60.67		.....
Mar. 28	37	☉ I L.....	E	1.2	3.6	5.9	11.1	13.4	16.2	23.2	25.8	28.3	30.9	0. 24. 16.07	(- 7.95)				0.97	0. 25. 21.12
	38	☉ 2 L.....	E	9.8	12.0	15.0	19.8	22.5	24.9	32.4	34.9	37.3	40.0	0. 26. 24.97	(- 3.00)	20.14				.....
	39	6 Cancri.....	E	27.7	30.6	33.3	39.1	41.6	44.7	52.8	55.6	58.5	1.2	7. 57. 44.65		44.13	45.21	1.08		.....
	40	Groombridge 1119.....	E	57.6	3.4	9.0	31.7	37.2	52.5	58.1	4.5	26.7	32.2	8. 4. 52.59		42.91	43.97	1.06		.....
	41	γ Cancri.....	E	34.8	37.3	40.1	45.3	48.1	50.8	58.6	1.3	4.0	6.7	8. 37. 50.82		50.34	51.49	1.15		.....
	42	ε Hydræ.....	E	32.9	35.3	37.7	42.9	45.3	47.8	55.2	57.6	0.2	2.7	8. 41. 47.88		47.47	48.60	1.13		.....
	43	α Cancri.....	PM	...	...	...	18.6	21.0	28.4	31.0	33.5	36.0	...	8. 53. 21.04		20.60	21.54	0.94	0.82	.....
	44	κ Cancri.....	PM	24.3	26.7	29.4	34.6	37.0	39.4	47.0	49.4	52.0	54.6	9. 2. 39.56		39.13	40.15	1.02		.....
Mar. 29	45	☉ I L.....	RC	38.7	41.6	43.6	49.0	51.3	54.1	1.2	3.6	6.3	8.7	0. 27. 53.92	(- 8.51)				1.42	0. 28. 59.35
	46	☉ 2 L.....	RC	47.8	50.2	52.8	57.6	0.3	2.9	10.2	12.7	15.2	17.6	0. 30. 2.84	(- 4.01)	57.92			[+ 0.48]	.....
	47	β Cancri.....	RC	9.4	12.0	14.2	19.4	21.9	24.7	31.9	34.7	37.2	39.3	8. 11. 24.59		24.11	25.60	1.49		.....
	48	Groombridge 1119.....	RC	24.3	32.8	37.6	42.7	49.5	4.7	10.6	15.8	26.3	32.3	8. 4. 50.05		40.94	42.89	1.95		.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 4, 6, 17, 21, and 36, -110^h78': -110^h78': -112^h12': -112^h12': and -117^h28.

Corrections for passage of Semidiameter, Nos. 1, 2, 23, and 25, +64^s43': +0^s28': -61^s32': and -61^s32'.

12. Observed over wire R with the transit-micrometer set to readings 35^s630, 35^s582, 35^s440, 35^s342, 34^s792, 34^s670, 34^s578, 34^s498.
 13. Observed over wire O with the transit-micrometer set to readings 33^s960, 33^s882, 33^s812, 33^s761, 33^s668, 33^s304, 33^s223, 33^s186, 32^s827, 32^s733.
 15. Observed over wire R with the transit-micrometer set to readings 35^s080, 35^s111, 35^s196, 35^s263, 35^s430, 35^s450, 35^s497, 35^s549, 35^s681, 35^s730.
 18. Observed over wire Q with the transit-micrometer set to readings 34^s717, 34^s844, 34^s946, 35^s044, 35^s135, 35^s235, 35^s345, 35^s426, 35^s722.
 22. Observed over wire R with the transit-micrometer set to readings 36^s151, 36^s107, 36^s058, 36^s041, 36^s012, 35^s971, 35^s958, 35^s902, 35^s881, 35^s801.
 26, 27, 28, 29. Kept for diameter only. No determination of the clock error having been made within 24^{hrs} of the observations.
 30, 31. Very unsteady and diffused.
 33. A correction of +0^s01 for defect of illumination has been applied in forming the concluded transit.
 34. Observed over wire Q with the transit-micrometer set to readings 35^s252, 35^s330, 35^s367, 35^s512, 35^s520, 35^s557, 35^s698, 35^s716, 35^s743, 35^s849.
 40. Observed over wire X with the transit-micrometer set to readings 36^s518, 36^s562, 36^s600, 36^s770, 36^s808, 36^s941, 36^s969, 37^s014, 37^s193, 37^s231.
 March 28th 0^h. The Sidereal Standard Clock put forward one minute.
 48. Observed over wire W with the transit-micrometer set to readings 35^s901, 35^s950, 36^s017, 36^s048, 36^s078, 36^s201, 36^s260, 36^s291, 36^s381, 36^s423.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
Mar. 29	1	γ Cancri	RC	34.3	36.9	39.4	45.0	47.5	50.4	58.2	1.0	3.5	6.3	8.37.50.37	+ 1.74		49.84	51.48	1.64	1.42	.....
	2	ϵ Leonis	RC	14.6	17.2	19.9	25.4	28.2	30.9	38.9	41.6	44.3	46.8	9.40.30.91	(- 8.51)		30.36	31.92	1.56	[+ 0.48]	.....
	3	μ Leonis	RC	8.3	11.1	13.7	19.4	22.4	25.0	33.0	35.9	38.8	41.3	9.47.25.02	(- 4.01)		24.46	26.07	1.61		.....
	4	Regulus	RC	6.6	9.2	11.5	16.8	19.3	21.9	29.2	31.9	34.3	37.0	10.3.21.89			21.39	22.99	1.60		.....
	5	ι Leonis	RC	3.6	6.3	8.7	13.9	16.3	19.1	26.4	28.8	31.3	33.7	10.44.18.93			18.44	20.11	1.67		.....
	6	Bradley 3147 S.P.	RC	44.7	52.3	58.3	11.5	17.4	22.1	34.6	40.1	46.6	56.9	11.27.29.79			32.11	33.84	1.73		.....
	7	ν Leonis	RC	53.2	55.6	58.0	3.2	5.7	8.1	15.4	17.9	20.5	22.7	11.32.8.14			7.70	9.37	1.67		.....
	8	σ Virginis	RC	10.2	12.7	15.1	20.3	22.9	25.5	32.8	35.2	37.5	40.2	12.0.25.36			24.88	26.48	1.60		.....
	9	Bradley 1672	RC	31.2	37.3	43.3	55.5	0.4	5.7	19.0	23.5	32.5	44.1	12.14.55.99			50.23	51.69	1.46		.....
	10	ρ Virginis	RC	52.3	54.9	57.3	2.6	5.2	7.7	15.0	17.4	20.0	22.5	12.37.7.61			7.12	8.82	1.70		.....
	11	ρ Virginis	(E&E) RC	21.4	36.6	51.4	7.0	21.9	36.8	52.2	...	...	...	12.37.7.46			6.97	8.82	1.85		.....
	12	35 Virginis	RC	49.3	51.6	54.1	59.2	1.7	4.3	11.6	14.0	16.3	18.8	12.43.4.20			3.74	5.47	1.73		.....
	13	Spica	SE	59.2	1.6	4.1	6.3	11.7	14.4	21.5	24.1	26.9	29.2	13.20.14.32			13.93	15.72	1.79	1.44	.....
	14	τ Virginis	SE	36.9	39.1	41.2	46.7	49.0	51.5	58.8	1.4	4.1	6.3	13.56.51.61			51.16	52.87	1.71		.....
	15	ζ Boötis	SE	49.2	51.6	54.2	59.4	2.1	5.0	12.6	15.3	17.9	20.4	14.22.4.89			4.35	6.09	1.74		.....
	16	ξ^2 Libræ	SE	24.6	27.3	29.7	34.6	37.3	39.9	47.2	49.6	52.3	54.8	14.51.39.85			39.46	41.08	1.62		.....
	17	ψ Boötis	SE	8.1	11.0	13.3	19.2	22.0	24.6	33.0	35.7	38.8	41.3	15.0.24.83			24.26	26.07	1.81		.....
	18	σ^2 Libræ	SE	31.4	33.7	36.3	41.6	44.3	46.9	...	56.7	59.2	2.1	15.17.46.76			46.39	48.16	1.77		.....
	19	ξ^1 Libræ	SE	...	43.8	46.3	51.6	54.3	57.0	4.6	7.2	9.8	...	15.22.56.95			56.59	58.25	1.66		.....
	20	α Coronæ	SE	...	...	30.7	36.6	39.4	42.1	50.2	53.3	...	...	15.30.42.16			41.59	43.37	1.78		.....
	21	α Serpentis	SE	22.8	25.2	27.7	32.6	35.4	37.7	45.2	47.7	50.0	52.7	15.39.37.82			37.35	39.11	1.76		.....
Mar. 31	22	ξ Leonis	JS	36.5	39.2	41.6	46.9	49.4	51.8	59.4	1.7	4.5	7.0	9.26.51.92			51.42	53.62	2.20	1.98	.....
	23	σ Leonis	JS	52.1	54.7	57.0	2.0	4.7	7.3	14.6	17.2	19.6	22.1	9.36.7.25			6.76	8.93	2.17		.....
	24	σ Leonis	(E&E) JS	23.5	38.3	53.2	8.3	23.1	38.3	53.4	...	...	...	9.36.7.06			6.57	8.93	2.36		.....
	25	ϵ Leonis	JS	13.7	16.4	19.2	24.7	27.4	30.3	38.2	41.9	43.6	46.3	9.40.30.30			29.75	31.90	2.15		.....
	26	ϵ Leonis	(E&E) JS	42.4	58.4	15.2	31.4	47.4	3.5	19.6	...	...	...	9.40.29.89			29.34	31.90	2.56		.....
	27	μ Leonis	PM	7.5	10.1	12.7	18.6	21.3	24.2	32.2	35.0	37.6	40.5	9.47.24.10			23.54	26.05	2.51	2.30	.....
	28	π Leonis	PM	58.6	1.1	3.6	8.7	11.1	13.6	21.1	23.6	26.1	28.5	9.55.13.72			13.24	15.73	2.49		.....
Apr. 27	29	η Cancri	JS	46.6	49.2	51.7	57.2	59.7	2.6	10.1	12.9	15.5	18.2	8.27.2.49	- 3.01		1.66	16.53	14.87	14.73	.....
	30	α Cancri	JS	51.6	54.2	56.8	1.7	4.3	6.9	14.3	16.8	19.3	21.8	8.53.6.89	(- 8.60)		6.14	21.08	14.94		.....
	31	α Hydræ	JS	29.3	31.6	34.3	39.2	41.7	44.3	51.6	54.2	56.7	59.1	9.22.44.32	(- 2.34)		43.69	58.60	14.91		.....
	32	ι Leonis	HF	50.3	52.8	55.3	0.4	2.9	5.4	12.7	15.3	17.8	20.3	10.44.5.44			4.70	19.85	15.15	14.90	.....
	33	ι Leonis	HF	14.0	16.6	18.8	23.9	26.3	28.8	36.1	38.7	41.2	43.6	10.55.28.91			28.21	43.30	15.09		.....
	34	χ Leonis	JS	41.7	44.3	46.7	51.7	54.3	56.9	4.0	6.6	9.1	11.6	11.0.56.81			56.08	11.02	14.94	14.73	.....
	35	τ Leonis	JS	38.1	40.6	42.9	47.8	50.4	53.0	0.2	2.8	5.2	7.6	11.23.52.97			52.27	7.23	14.96		.....
	36	Bradley 3147 S.P.	JS	5.6	13.1	19.1	24.1	29.2	36.3	42.8	49.6	55.1	59.4	11.27.15.49			24.85	39.80	14.95		.....
	37	Bradley 1672	JS	28.2	34.3	40.3	55.3	0.1	5.1	18.2	22.6	26.7	37.0	12.14.48.21			29.91	44.91	15.00		.....
	38	35 Virginis	JS	36.3	38.7	41.2	46.2	48.7	51.3	58.5	1.0	3.4	5.9	12.42.51.23			50.53	5.52	14.99		.....
Apr. 28	39	δ 1 L.	BE	15.9	18.7	21.3	26.7	29.4	32.2	40.1	42.8	45.4	48.1	6.6.32.18	(- 9.06)		31.33			15.66	6.7.52.68
	40	μ Leonis	BE	54.2	56.9	59.4	5.2	7.9	10.8	18.7	21.5	24.3	27.1	9.47.10.73	(- 2.79)		9.81	25.65	15.84	[+ 0.50]	.....
	41	π Leonis	BE	45.3	47.6	50.1	55.3	57.6	0.3	7.6	10.1	12.7	15.2	9.55.0.30			59.53	15.38	15.85		.....
	42	Regulus	S	52.3	54.7	57.3	2.4	5.0	7.5	14.9	17.5	19.9	22.5	10.3.7.52			6.72	22.64	15.92	15.71	.....
	43	Bradley 1672	BE	56.6	5.7	23.5	37.3	48.8	3.6	15.6	26.3	38.1	48.9	12.14.46.81			28.30	44.49	16.19	15.66	.....
	44	δ Virginis	BE	23.3	25.6	28.1	33.2	35.7	38.3	45.3	48.0	50.3	52.9	12.51.38.18			37.43	53.39	15.96		.....
	45	Polaris S.P.	BE	0.8	18.8	29.9	41.1	54.8	7.0	20.9	33.2	46.0	58.3	13.23.48.71			14.86	31.16	16.30		.....
	46	τ Boötis	BE	18.3	20.7	23.3	28.8	31.3	34.1	41.6	44.3	46.7	49.4	13.42.33.97			33.12	49.08	15.96		.....
	47	η Boötis	BE	43.1	45.6	48.2	53.6	56.2	59.0	6.6	9.3	11.7	14.4	13.49.58.89			58.04	13.92	15.88		.....
	48	ϵ^2 Boötis	BE	22.7	25.3	27.9	33.7	36.3	39.3	47.3	50.4	53.0	55.7	14.41.39.29			38.35	54.37	16.02		.....
	49	ψ Boötis	BE	54.7	57.5	0.1	5.9	8.7	11.5	19.6	22.6	25.2	28.0	15.0.11.51			10.57	26.52	15.95		.....
	50	ι^1 Libræ	BE	21.9	24.8	27.3	32.8	35.4	38.0	45.5	48.6	50.9	53.4	15.6.37.98			37.37	53.31	15.94		.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 11, 24, and 26, - 59^s.38 : - 61^s.32 : and - 61^s.32.
 Corrections for passage of Semidiameter, No. 39, + 65^s.58.

6. Observed over wire S with the transit-micrometer set to readings 36^r.685, 36^r.522, 36^r.375, 36^r.089, 35^r.940, 35^r.824, 35^r.565, 35^r.427, 35^r.252, 35^r.048.
 9. Observed over wire T with the transit-micrometer set to readings 36^r.458, 36^r.531, 36^r.603, 36^r.747, 36^r.809, 36^r.877, 37^r.038, 37^r.093, 37^r.197, 37^r.348.
 36. Observed over wire T with the transit-micrometer set to readings 37^r.605, 37^r.416, 37^r.276, 37^r.173, 37^r.057, 36^r.893, 36^r.747, 36^r.578, 36^r.454, 36^r.358.
 37. Observed over wire T with the transit-micrometer set to readings 36^r.495, 36^r.580, 36^r.653, 36^r.833, 36^r.908, 36^r.959, 37^r.131, 37^r.194, 37^r.250, 37^r.364.
 April 2. The object glass again removed for the correction of the figure, and finally remounted on April 26.
 39. Correction to R.A. on true meridian - 0^s.02.
 43. Observed over wire T with the transit-micrometer set to readings 34^r.596, 34^r.734, 35^r.039, 35^r.117, 35^r.254, 35^r.440, 35^r.600, 35^r.745, 35^r.890, 36^r.000.
 45. Observed over wire T with the transit-micrometer set to readings 33^r.355, 33^r.208, 33^r.120, 33^r.021, 32^r.891, 32^r.798, 32^r.680, 32^r.580, 32^r.466, 32^r.356.

MONTH	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation (Level). (Azimuth).	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow.	Adopted Clock Slow at Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Apr. 29	1	D I L.....	E	23.0	25.6	28.1	33.6	36.5	39.3	47.1	49.6	52.5	55.0	6. 59. 39.15	- 3.01	38.29			16.07	7. I. 0.70
	2	β Canis Minoris.....	E	32.5	34.9	37.4	42.3	45.0	47.6	54.8	57.3	59.7	2.3	7. 21. 47.50	(- 9.06)	46.73	2.96	16.23	[+ 0.45]	.....
	3	Castor.....	E	3.1	5.9	8.8	14.7	17.6	20.7	29.3	32.2	35.0	37.8	7. 28. 20.65	(- 2.79)	19.67	35.90	16.23		.....
	4	Procyon.....	E	52.3	54.7	57.2	2.1	4.8	7.3	14.6	17.1	19.4	21.9	7. 34. 7.26		6.51	22.71	16.20		.....
	5	Pollux.....	E	1.4	4.3	7.0	12.7	15.4	18.4	26.6	29.5	32.3	35.0	7. 39. 18.42		17.49	33.66	16.17		.....
Apr. 30	6	D I L.....	RC	14.7	17.4	19.9	25.3	28.3	30.9	38.7	41.4	44.0	46.7	7. 53. 3.85	(- 8.76)	30.00			16.50	7. 54. 53.26
	7	ε Hydræ.....	RC	17.2	19.6	21.9	27.2	29.6	32.3	39.5	41.8	44.5	46.9	8. 41. 32.17	(- 3.53)	31.39	48.09	16.70	[+ 0.44]	8. 41. 48.05
	8	α Cancri.....	RC	49.9	52.5	55.0	0.1	2.7	5.2	12.5	15.2	17.7	20.2	8. 53. 5.22		4.42	21.04	16.62		8. 53. 21.08
	9	π Leonis.....	RC	44.3	46.8	49.3	54.4	56.7	59.3	6.7	9.4	11.6	14.3	9. 54. 59.40		58.61	15.35	16.74		9. 55. 15.29
	10	Regulus.....	RC	51.3	54.0	56.6	1.6	4.3	6.8	14.0	16.7	19.3	21.8	10. 3. 6.76		5.96	22.61	16.65		10. 3. 22.64
	11	γ Leonis.....	RC	16.3	19.0	21.6	27.2	29.5	32.4	40.1	42.7	45.2	47.8	10. 14. 32.30		31.44	48.12	16.68		10. 14. 48.13
	12	β Bootis.....	RC	34.7	37.4	39.8	45.3	47.9	50.6	58.3	0.8	3.6	5.9	14. 21. 50.55		49.69	6.43	16.74		14. 22. 6.45
	13	ψ Bootis.....	RC	53.9	56.7	59.4	5.0	7.9	10.9	18.7	21.4	24.4	27.3	15. 0. 10.69		9.78	26.54	16.76		15. 0. 26.56
	14	Groombridge 2283.....	RC	27.2	35.3	40.2	51.4	56.1	2.3	14.3	19.7	24.1	33.9	15. 7. 36.55		24.06	40.78	16.72		.....
	15	γ Serpentis.....	RC	36.7	39.3	41.6	46.9	49.4	52.0	59.6	2.1	4.8	7.4	15. 51. 52.10		51.26	8.05	16.79		15. 52. 8.05
	16	γ Serpentis..... (E&E)	RC	22.4	38.0	53.3	9.2	24.0	39.6	54.8	...	...	...	15. 51. 52.08		51.24	8.05	16.81		.....
	17	β ¹ Scorpii.....	RC	27.8	30.4	33.1	38.4	40.9	43.7	...	...	...	...	15. 59. 43.65		43.01	59.77	16.76		15. 59. 59.80
	18	β ¹ Scorpii..... (E&E)	RC	13.2	28.9	44.4	0.5	...	...	...	...	...	...	15. 59. 43.64		43.00	59.77	16.77		.....
May 1	19	ι Leonis.....	W	48.3	50.8	53.2	58.4	0.9	3.4	10.8	13.3	15.7	18.3	10. 44. 3.43	(- 8.31)	2.70	19.81	17.11	16.94	.....
	20	α Leonis.....	W	12.0	14.3	16.7	21.7	24.3	26.8	34.1	36.5	39.0	41.4	10. 55. 26.79	(- 2.28)	26.10	43.26	17.16		.....
	21	χ Leonis.....	W	39.6	42.1	44.6	49.5	52.1	54.6	1.8	4.4	6.9	9.3	10. 59. 54.61		53.90	10.98	17.08		.....
	22	Bradley 3147 S.P.....	W	49.4	53.6	57.6	1.2	13.7	17.7	21.4	24.8	37.5	41.4	11. 27. 14.32		23.28	40.90	17.62		.....
	23	ν Leonis.....	W	37.7	40.2	42.6	47.6	50.1	52.6	59.9	2.4	4.9	7.4	11. 31. 52.65		51.99	9.20	17.21		.....
	24	ο Virginis.....	W	...	...	...	...	7.5	9.8	17.3	19.7	22.2	24.7	12. 0. 9.90		9.18	26.39	17.21		.....
	25	Bradley 1672.....	W	25.9	30.3	34.1	37.6	51.6	54.8	57.9	1.3	13.0	15.5	12. 14. 43.84		26.29	43.35	17.06		.....
	26	ε ² Bootis.....	W	21.5	24.1	26.7	32.6	35.2	38.0	46.2	48.9	51.8	54.5	14. 40. 38.08		37.22	54.40	17.18		.....
	27	Groombridge 2283.....	W	25.8	30.7	35.0	39.4	53.0	57.6	1.5	5.9	19.2	23.4	15. 7. 36.00		22.92	40.83	17.91		.....
	28	α Coronæ.....	W	10.8	13.6	16.3	22.0	24.7	27.5	35.6	38.6	41.2	44.0	15. 30. 27.56		26.70	43.95	17.25		.....
	29	α Serpentis.....	W	8.2	10.6	13.0	18.3	20.6	23.2	30.6	33.0	35.4	38.0	15. 39. 23.21		22.51	39.70	17.19		.....
May 3	30	⊙ I L.....	E	...	7.9	10.6	15.9	18.6	21.0	28.6	31.1	33.7	...	2. 37. 21.05	(- 10.13)	26.31			17.90	2. 38. 44.26
	31	⊙ 2 L.....	E	...	...	22.7	28.2	30.7	33.2	40.7	43.3	...	...	2. 39. 33.23	(- 1.54)				[+ 0.48]	.....
	32	Regulus.....	E	50.1	52.3	54.9	0.0	2.6	5.3	12.6	15.2	17.7	20.3	10. 3. 5.22		4.43	22.57	18.14		.....
	33	β Leonis.....	E	...	8.4	11.1	16.1	18.8	21.3	28.7	31.4	34.0	...	10. 11. 21.34		20.52				10. 11. 38.62
	34	ρ Leonis.....	E	19.8	22.5	24.9	30.0	32.5	35.2	42.4	45.0	47.3	49.9	10. 27. 35.07		34.30	52.43	18.13		.....
	35	D I L.....	E	46.7	49.4	51.7	57.0	59.6	2.4	9.8	12.6	14.9	17.5	10. 37. 2.28		1.51				10. 38. 26.72
	36	Möstring A.....	E	50.6	53.1	55.6	1.1	3.4	5.8	13.6	16.2	18.8	21.3	10. 38. 6.07		5.30				10. 38. 26.68
	37	χ Leonis.....	E	38.6	41.0	43.5	48.6	51.2	53.6	0.9	3.4	5.9	8.4	10. 59. 53.63		52.87	10.96	18.09		.....
	38	Piazzi XI. 12.....	E	37.3	39.6	42.2	47.3	49.7	52.4	59.6	2.1	4.6	7.3	11. 8. 52.33		51.57				11. 9. 9.69
	39	Bradley 3147 S.P.....	E	17.5	23.9	29.8	51.4	56.4	11.8	17.3	24.3	43.0	49.2	11. 27. 12.06		23.23	41.44	18.21		.....
	40	β Leonis.....	E	44.2	46.7	49.3	54.6	57.1	59.7	7.2	9.7	12.2	14.8	11. 43. 59.67		58.84	16.94	18.10		.....
	41	β Virginis.....	E	16.8	19.0	21.4	26.6	29.1	31.6	38.7	41.2	43.6	46.2	11. 45. 31.53		30.82	49.02	18.20		.....
	42	Polaris S.P.....	E	42.5	50.4	56.0	17.1	22.0	35.6	42.2	48.3	8.7	14.6	13. 23. 44.26		15.20	32.84	17.64		.....
	43	τ Bootis.....	E	16.2	18.8	21.3	26.7	29.2	31.7	39.3	42.0	44.6	47.2	13. 41. 31.82		30.97	49.09	18.12		.....
	44	μ Herculis.....	JS	14.3	17.0	19.7	25.4	28.3	31.4	39.3	42.1	44.8	47.7	17. 42. 31.14		30.17	48.01	17.84	17.52	.....
	45	89 Herculis.....	JS	5.4	8.0	10.9	16.3	19.1	21.7	29.8	32.8	35.4	38.3	17. 51. 21.90		20.96	38.88	17.92		.....
May 4	46	Bradley 3147 S.P.....	SE	42.3	59.2	12.2	23.6	37.0	48.5	0.3	10.2	26.3	37.1	11. 27. 14.91	(- 10.72)	23.83	41.72	17.89	18.42	.....
	47	D I L.....	SE	...	5.0	7.3	12.7	15.2	17.5	25.1	27.6	30.2	...	11. 32. 17.69	(- 2.29)	17.02				11. 33. 43.17
	48	β Leonis.....	SE	43.8	46.0	48.3	53.6	...	...	6.6	9.0	11.5	14.0	11. 43. 58.92		58.17	16.93	18.76		.....
	49	β Virginis.....	JS	16.6	19.0	21.3	26.3	28.9	31.3	38.7	41.2	43.5	46.0	11. 44. 31.39		30.74	49.02	18.28	18.08	.....
	50	b Virginis.....	SE	...	38.8	41.0	46.1	48.3	51.2	58.4	0.7	3.2	...	11. 54. 51.07		50.41			18.42	11. 55. 9.07

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 16, and 18, -76^s.70: and -76^s.70.
 Corrections for passage of Semidiameter, Nos. 1, 6, 35, and 49, +66^s.23: +66^s.63: +67^s.12: and +67^s.52.

1, 6, 35, 49. Correction to R.A. on true meridian, -0^s.02.

6. Observed through cloud.

14. Observed over wire T with the transit-micrometer set to readings 36^s.853, 37^s.009, 37^s.085, 37^s.262, 37^s.339, 37^s.468, 37^s.658, 37^s.740, 37^s.857, 37^s.998.

22. Observed over wire U with the transit-micrometer set to readings 36^s.398, 36^s.284, 36^s.192, 36^s.100, 35^s.800, 35^s.718, 35^s.633, 35^s.583, 35^s.274, 35^s.180.

25. Observed over wire O with the transit-micrometer set to readings 32^s.749, 32^s.800, 32^s.868, 32^s.918, 33^s.098, 33^s.130, 33^s.186, 33^s.214, 33^s.340, 33^s.383.

27. Observed over wire T with the transit-micrometer set to readings 37^s.870, 37^s.949, 38^s.038, 38^s.100, 38^s.343, 38^s.407, 38^s.490, 38^s.560, 38^s.757, 38^s.822. Very faint; cloudy.

36. Reduction to D's centre at time of transit of Crater, +3^s.17. A further correction of +0^s.10 has been applied to reduce to time of transit of D's centre on true meridian.

May 3^d 22^h. The eye-tube rotated 90° for the purpose of examining the transit-micrometer screw, rotated back at May 4th 1^h.

39. Observed over wire T with the transit-micrometer set to readings 35^s.865, 35^s.749, 35^s.609, 35^s.101, 35^s.011, 34^s.637, 34^s.516, 34^s.341, 33^s.925, 33^s.781.

44. Observed over wire O with the transit-micrometer set to readings 36^s.447, 36^s.410, 36^s.346, 36^s.157, 36^s.126, 35^s.991, 35^s.967, 35^s.895, 35^s.740, 35^s.691.

48. Observed over wire X with the transit-micrometer set to readings 36^s.272, 35^s.873, 35^s.604, 35^s.340, 35^s.026, 34^s.753, 34^s.482, 34^s.280, 33^s.928, 33^s.666.

190806AM...88A...1C

[14]

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908 MAY 11. 48

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 31, 34, 46, and 48, -81^m92 : -81^m92 : -82^m52 : and -82^m52.
Corrections for passage of Semidiameter, Nos. 24 and 40, +70^s74 : and +0^s43.

- 4. Observed over wire T with the transit-micrometer set to readings 38^m433, 38^m740, 38^m983, 39^m523, 39^m709, 40^m024, 40^m201, 40^m309, 40^m663, 40^m803.
- 9. A correction of +0^s04 for defect of illumination has been applied in forming the concluded transit.
- 13. Observed over wire U with the transit-micrometer set to readings 36^m508, 36^m348, 36^m229, 35^m763, 35^m659, 35^m341, 35^m235, 35^m106, 34^m734, 34^m616.
- 17. Observed over wire Q with the transit-micrometer set to readings 36^m055, 36^m122, 36^m195, 36^m461, 36^m534, 36^m726, 36^m800, 36^m840, 37^m115, 37^m144.
- 19. Observed over wire T with the transit-micrometer set to readings 37^m335, 37^m293, 37^m247, 37^m031, 36^m980, 36^m871, 36^m836, 36^m779, 36^m608, 36^m571.
- 24. Correction to R.A. on true meridian -0^s02.
- 25. Reduction to D's centre at time of transit of Crater -4^m78. A further correction of -0^s23 has been applied to reduce to time of transit of D's centre on true meridian.
- 29. Observed over wire U with the transit-micrometer set to readings 35^m551, 35^m629, 35^m735, 36^m160, 36^m269, 36^m485, 36^m586, 36^m670, 37^m047, 37^m123.
- 37. Observed over wire T with the transit-micrometer set to readings 36^m432, 36^m468, 36^m516, 36^m637, 36^m693, 36^m707, 36^m822, 36^m855, 36^m910, 36^m948.
- 50. Observed over wire V with the transit-micrometer set to readings 36^m744, 36^m605, 36^m446, 36^m346, 36^m237, 36^m145, 36^m059, 35^m936, 35^m842, 35^m724.

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
May 8	1	ν Leonis.....	WB	34.7	37.1	39.3	44.6	47.1	49.4	56.7	59.2	1.6	4.3	11.31.49.51	- 1.04	48.92	9.14	20.22	20.07	.....
	2	β Leonis.....	JS	42.1	44.8	47.2	52.4	55.0	57.6	5.1	7.6	10.2	12.8	11.43.57.60	(- 12.38)	56.84	16.90	20.06	19.90	11.44.16.96
	3	Bradley 1672.....	JS	54.1	1.3	5.9	21.0	25.6	33.8	48.1	53.3	58.1	6.4	12.14.43.77	(- 0.15)	20.38	40.14	19.76	.....	.....
	4	η Virginis.....	JS	32.6	34.9	37.2	42.6	45.0	47.6	54.8	57.2	59.6	2.1	12.14.47.47		46.88	6.97	20.09		12.15.7.00
	5	τ Bootis.....	JS	14.0	...	19.2	24.2	27.1	29.8	37.3	40.0	...	45.2	13.42.29.71		28.91	49.09	20.18		13.42.49.06
	6	ϵ^2 Bootis.....	JS	18.4	21.1	23.8	29.6	32.4	35.2	43.3	46.2	48.8	51.6	14.40.35.17		34.25	54.44	20.19		14.40.54.42
	7	ξ^1 Libræ.....	JS	43.4	45.7	48.2	53.3	55.8	58.4	6.0	8.6	10.8	13.5	14.48.58.48		58.02				14.49.18.19
	8	ξ^2 Libræ.....	JS	6.8	9.2	11.6	16.8	19.3	21.9	29.1	31.6	34.3	36.8	14.51.21.85		21.38	41.62	20.24		14.51.41.55
	9	18 Libræ.....	JS	15.3	17.6	20.0	25.2	27.8	30.2	37.7	40.4	42.8	45.3	14.53.30.34		29.87				14.53.50.04
	10	Groombridge 2283.....	JS	29.9	34.1	38.7	43.0	47.7	51.5	55.2	59.2	4.6	8.6	15.7.37.14		19.74	40.86	21.12		.....
	11	β Libræ.....	SD	23.4	25.7	28.3	33.4	35.8	38.7	45.6	48.3	50.8	53.3	15.11.38.44		37.95	58.46	20.51	20.19	.....
	12	α^2 Libræ.....	SD	13.3	15.9	18.5	23.6	26.2	28.8	36.3	39.0	41.4	44.0	15.17.28.81		28.39	48.82	20.43		.....
	13	Mösting A.....	JS	...	39.1	41.6	47.0	49.8	52.4	0.2	2.8	5.5	...	15.29.52.41		51.99			19.90	15.30.4.51
	14	δ 2 L.....	JS	...	...	...	...	4.7	7.3	9.8	12.7	28.3	44.3	15.30.56.94		56.52				15.30.4.55
	15	49 Libræ.....	JS	20.2	31.6	34.5	39.6	42.2	44.9	52.3	55.0	57.6	0.1	15.54.44.82		44.41				15.55.4.60
	16	δ Ophiuchi.....	JS	52.2	54.5	57.0	2.1	4.6	7.0	14.2	16.8	19.2	21.6	16.9.7.03		6.48	26.66	20.18		16.9.26.68
	17	W.B. XVI. 140.....	JS	...	1.9	4.6	9.7	12.2	14.8	22.4	24.9	27.5	...	16.10.14.86		14.44				16.10.34.64
	18	γ Herculis.....	JS	12.8	15.2	17.7	23.2	25.6	28.3	36.1	38.8	41.3	44.0	16.17.28.42		27.61	47.89	20.28		16.17.47.81
May 11	19	ι Leonis.....	S	43.3	45.6	48.2	53.4	55.8	58.6	5.9	8.3	10.9	13.4	10.43.58.45	(- 10.63)	57.78	19.69	21.91	21.68	.....
	20	α Leonis.....	S	7.0	9.5	11.7	17.0	19.3	21.8	29.1	31.6	34.0	36.6	10.55.21.87	(- 1.05)	21.27	43.15	21.88	[+ 0.48]	.....
	21	χ Leonis.....	JS	34.8	37.3	39.7	44.8	47.3	49.7	...	...	...	...	11.0.49.81		49.17	10.87	21.70	21.48	.....
	22	χ Leonis.....	JS	...	...	...	...	...	...	57.2	59.6	2.1	4.7	11.0.49.86		49.22	10.87	21.65		.....
	23	δ Leonis.....	JS	30.5	33.2	35.6	41.1	43.6	46.5	...	...	...	...	11.8.46.42		45.66	7.37	21.71		.....
	24	δ Leonis.....	JS	...	...	...	...	...	...	54.2	57.0	59.5	2.1	11.8.46.49		45.73	7.37	21.64		.....
	25	δ Crateris.....	BE	2.5	5.1	7.4	12.7	15.3	17.9	25.2	27.7	30.5	32.9	11.14.17.83		17.38	39.40	22.02	21.78	.....
	26	τ Leonis.....	BE	31.0	33.1	35.4	40.6	43.1	45.6	53.0	55.5	57.9	0.4	11.22.45.67		45.07	7.10	22.03		.....
	27	Bradley 3147 S.P.....	BE	21.4	30.6	37.6	42.9	51.5	57.5	3.2	11.5	18.0	23.6	11.27.11.86		21.69	44.17	22.48		.....
	28	Polaris S.P.....	BE	41.2	52.8	0.0	6.3	13.8	20.7	26.7	35.0	42.7	52.2	13.23.48.56		15.60	37.34	21.74		.....
	29	m Virginis.....	BE	5.6	...	...	15.6	18.1	20.7	27.7	30.4	33.0	35.4	13.36.20.61		20.11	42.14	22.03		.....
	30	τ Bootis.....	BE	11.9	14.7	17.3	22.7	25.2	27.7	35.2	38.1	40.5	43.2	13.42.27.77		27.04	49.09	22.05		.....
	31	Groombridge 2283.....	BE	27.0	40.9	44.4	0.4	11.3	25.0	44.3	51.5	37.2	...	15.7.32.24		17.92	40.48	22.56		.....
	32	δ 2 L.....	J	...	17.2	20.0	25.5	28.3	31.0	39.3	41.8	44.6	...	18.45.31.08		30.70			21.13	18.44.39.60
	33	ϵ Aquilæ.....	J	46.3	48.9	51.2	56.5	59.2	1.6	...	...	...	...	18.55.1.69		0.99	22.52	21.53		.....
	34	ζ Aquilæ.....	J	30.4	33.0	35.3	40.6	43.2	45.7	53.2	55.7	58.3	0.8	19.0.45.73		45.04	6.52	21.48		.....
May 12	35	β Leonis.....	S	39.7	42.1	44.8	50.0	52.6	55.1	2.7	5.3	7.7	10.2	11.43.55.14	(- 10.94)	54.45	16.86	22.41	22.18	11.44.16.86
	36	α Virginis.....	JS	49.7	52.2	54.7	59.6	2.3	4.9	12.1	14.7	17.2	19.6	12.0.4.81	(- 0.50)	4.17	26.30	22.13	21.89	.....
	37	α Virginis..... (E&E)	JS	45.5	0.8	15.7	30.9	45.3	0.5	15.8	...	...	...	12.0.4.50		3.86	26.30	22.44		.....
	38	Bradley 1672.....	S	31.5	42.3	52.1	56.8	4.6	9.6	27.2	33.0	40.1	45.3	12.14.36.21		15.75	37.95	22.20	22.18	.....
	39	θ Virginis.....	S	29.6	31.8	34.4	39.4	41.9	44.3	51.6	54.2	56.7	59.1	13.4.44.41		43.91	6.30	22.39		13.5.6.35
	40	Polaris S.P.....	S	0.1	11.3	19.6	27.1	36.1	42.6	50.3	0.3	5.3	11.2	13.23.46.41		15.51	37.92	22.41		.....
	41	ζ Virginis.....	S	18.7	21.3	23.6	28.8	31.1	33.6	40.7	43.4	45.8	48.3	13.29.33.64		33.09	55.58	22.49		13.29.55.54
	42	τ Bootis.....	S	11.6	14.3	16.8	22.1	24.8	27.4	35.0	37.6	40.1	42.8	13.42.27.37		26.65	49.09	22.44		13.42.49.10
	43	γ Herculis.....	S	10.4	12.9	15.5	21.0	23.4	26.3	33.7	36.6	39.2	41.6	16.17.26.18		25.44	47.94	22.50		16.17.47.94
	44	ζ Herculis.....	S	7.0	9.9	12.7	18.7	21.5	24.6	33.1	36.1	38.9	41.6	16.37.24.54		23.65	46.18	22.53		16.37.46.16
	45	β Ophiuchi.....	S	14.1	16.7	19.2	24.2	26.8	29.2	36.4	39.0	41.5	43.8	17.38.29.20		28.60	51.13	22.53		17.38.51.13
	46	μ Herculis.....	S	9.6	12.5	15.1	21.0	23.6	26.6	34.7	37.6	40.2	43.1	17.42.26.53		25.68	48.21	22.53		17.42.48.21
	47	δ Sagittarii.....	W	31.5	34.0	36.7	41.8	44.7	47.1	54.9	57.5	0.0	2.8	19.11.47.22		46.86			22.04	19.12.9.28
	48	λ Ursæ Minoris.....	W	3.2	7.3	10.8	13.9	17.2	30.4	33.6	36.4	39.6	42.7	19.16.36.18		0.38	22.94	22.56		.....
	49	50 Sagittarii.....	W	...	...	...	...	29.6	32.3	35.0	37.6	53.5	9.7	19.20.21.84		21.50				19.20.43.93
	50	h^2 Sagittarii.....	W	...	24.2	27.2	32.8	35.6	38.2	46.3	49.0	51.7	...	19.30.38.25		37.94	0.34	22.40		.....
	51	γ Aquilæ.....	W	11.5	13.8	16.5	21.5	23.9	26.7	33.7	36.5	38.9	41.5	19.41.26.56		25.91	48.42	22.51		.....
	52	Mösting A.....	W	57.5	0.3	3.0	8.7	11.2	13.7	21.6	24.5	27.2	30.1	19.47.13.90		13.55				19.47.21.05

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, No. 37, - 86^s.22.
Corrections for passage of Semidiameter, Nos. 14 and 32, - 72^s.13; and - 72^s.60.

- Observed over wire R with the transit-micrometer set to readings 35^s.878, 35^s.976, 36^s.035, 36^s.209, 36^s.282, 36^s.392, 36^s.548, 36^s.627, 36^s.703, 36^s.796.
- Observed over wire R with the transit-micrometer set to readings 35^s.866, 35^s.916, 36^s.014, 36^s.058, 36^s.143, 36^s.203, 36^s.284, 36^s.371, 36^s.447, 36^s.508.
- Reduction to δ 's centre at time of transit of Crater - 7^s.31. A further correction of - 0^s.35 has been applied to reduce to time of transit of δ 's centre on true meridian.
- Correction to R.A. on true meridian - 0^s.02. Observed over wires U, V, W, X, Y and Z.
- Observed over wire T with the transit-micrometer set to readings 35^s.768, 35^s.777, 35^s.781, 35^s.790, 35^s.794, 34^s.961, 34^s.840, 34^s.647, 34^s.510, 34^s.366.
- Observed over wire T with the transit-micrometer set to readings 34^s.520, 34^s.435, 34^s.391, 34^s.331, 34^s.262, 34^s.188, 34^s.159, 34^s.075, 34^s.005, 33^s.944.
- Observed over wire T with the transit-micrometer set to readings 35^s.882, 36^s.140, 36^s.177, 36^s.480, 36^s.680, 36^s.921, 37^s.245, 37^s.336, 38^s.140.
- Correction to R.A. on true meridian - 0^s.01.
- Observed over wire T with the transit-micrometer set to readings 36^s.705, 36^s.829, 36^s.957, 36^s.995, 37^s.095, 37^s.175, 37^s.389, 37^s.479, 37^s.551, 37^s.636.
- Observed over wire V with the transit-micrometer set to readings 36^s.000, 35^s.910, 35^s.840, 35^s.775, 35^s.697, 35^s.640, 35^s.576, 35^s.500, 35^s.442, 35^s.400.
- Observed over wire T with the transit-micrometer set to readings 36^s.618, 36^s.650, 36^s.670, 36^s.698, 36^s.732, 36^s.800, 36^s.850, 36^s.870, 36^s.892.
- Observed over wires U, V, W, X, Y and Z.
- Reduction to δ 's centre at time of transit of Crater, - 14^s.30. A further correction of - 0^s.64 has been applied to reduce to time of transit of δ 's centre on true meridian.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

19980604MM1.1

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Lossing Rate].	Apparent R.A. of Centre from the Observation.	
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
													h m s	"	s	s	s	s	h m s		
May 12	1	D 2 L.....	W	53.6	56.2	58.9	4.3	7.1	9.7	17.7	20.6	23.2	26.1	19. 48.	9.86	- 1.04	9.51		22.04	19. 47. 20.96	
	2	θ Aquilæ.....	W	51.5	53.7	56.3	1.2	3.8	6.3	13.5	15.9	18.5	20.9	20. 6.	6.27	(- 10.94)	5.73	28.13	22.40	[+ 0.48]	.....
																- 0.50					
May 13	3	⊙ 1 L.....	B	44.6	47.2	49.9	55.2	57.7	0.3	7.9	10.6	13.2	15.8	3. 16.	0.36	(- 11.64)	6.53		22.58	3. 17. 29.18	
	4	⊙ 2 L.....	B	58.4	1.0	3.6	8.9	11.4	14.2	21.7	24.3	27.1	29.6	3. 18.	14.14	[+ 0.78]			[+ 0.49]		
	5	Spica.....	B	38.2	40.7	43.1	48.3	50.8	53.4	0.8	3.3	5.9	8.3	13. 19.	53.39			53.00	15.87	22.87	.....
	6	Polaris S.P.....	B	9.7	15.0	20.8	25.7	39.0	44.1	49.2	2.2	8.8	13.6	13. 23.	42.18			15.63	38.48	22.85	.....
	7	ζ Virginis.....	B	18.4	20.7	23.3	28.2	30.8	33.3	40.5	43.0	45.4	47.9	13. 29.	33.26			32.75	55.58	22.83	.....
	8	Mösting A.....	JS	24.3	26.9	29.6	35.0	37.7	40.6	48.1	50.9	53.6	56.2	20. 46.	40.41			40.11		22.34	20. 46. 47.53
	9	D 2 L.....	JS	17.6	20.2	23.0	28.6	31.2	34.0	41.8	44.7	47.2	49.6	20. 47.	33.91			33.61			20. 46. 47.52
	10	ζ Cygni.....	JS	17.6	20.5	23.3	29.3	31.8	34.8	43.2	46.0	48.8	51.6	21. 8.	34.82			33.93	56.76	22.83	.....
	11	ε Pegasi.....	JS	...	...	...	...	...	...	19.7	22.3	24.7	27.2	21. 39.	12.39	- 0.89		11.78	34.52	22.74	.....
																(- 11.80)					
May 14	12	⊙ 1 L.....	SD	39.6	...	45.0	50.3	52.9	55.4	3.2	5.6	...	11.0	3. 19.	55.49	(- 11.80)	1.82		23.00	3. 21. 24.89	
	13	⊙ 2 L.....	SD	53.9	56.4	58.9	4.4	6.9	9.6	17.3	19.8	22.3	25.1	3. 22.	9.58	[+ 0.78]					
	14	Aldebaran.....	SD	52.7	55.2	57.7	3.0	5.6	8.0	15.7	18.3	21.0	23.5	4. 30.	8.19			7.50	30.59	23.09	.....
	15	Venus 1 L.....	SD	35.3	38.0	40.6	46.1	48.8	51.7	59.6	2.3	4.9	7.6	4. 54.	51.61			50.82			4. 55. 14.36
May 16	16	⊙ 1 L.....	SE	31.7	34.6	36.8	41.9	44.6	47.5	55.3	57.9	0.3	3.2	3. 26.	47.50						.....
	17	⊙ 2 L.....	SE	...	...	...	56.6	59.2	1.8	9.4	12.1	14.6	17.2	3. 29.	1.78						.....
May 19	18	ρ Boötis.....	E	...	...	...	17.3	20.3	23.1	31.6	34.6	37.2	40.2	14. 27.	23.16	(- 9.99)	22.36	48.26	25.90	25.57	.....
	19	ε Boötis.....	E	12.6	15.3	18.1	23.8	26.7	29.4	37.5	40.3	43.1	45.8	14. 40.	29.39	(- 0.34)	28.63	54.47	25.84		.....
	20	ψ Boötis.....	E	44.7	47.4	50.2	55.8	58.7	1.6	9.6	12.5	15.2	17.8	15. 0.	1.48			0.72	26.64	25.92	.....
	21	λ Libræ.....	E	12.3	14.8	17.4	22.7	25.3	28.2	35.7	38.3	41.0	43.4	15. 6.	28.03			27.71	53.51	25.80	.....
	22	Groombridge 2283.....	E	42.3	47.9	54.9	15.7	21.3	34.1	38.7	44.9	2.8	9.1	15. 7.	27.86			13.93	39.79	25.86	.....
	23	ε Serpentis.....	d	29.2	31.5	33.9	39.0	41.6	44.1	...	...	...	...	15. 45.	44.05			43.52	9.42	25.90	.....
	24	ε Serpentis.....	r	...	...	...	...	...	...	51.3	53.9	56.3	58.8	15. 45.	44.10			43.57	9.42	25.85	.....
	25	γ Serpentis.....	r	27.7	30.1	32.7	37.8	40.4	43.1	...	...	...	...	15. 51.	43.08			42.45	8.27	25.82	.....
	26	γ Serpentis.....	d	...	...	...	...	...	...	50.5	53.0	55.6	58.2	15. 51.	42.96			42.33	8.27	25.94	.....
	27	ζ Herculis.....	E	3.6	6.5	9.4	15.3	...	21.2	29.7	32.5	35.6	38.7	16. 37.	21.21			20.40	46.27	25.87	.....
	28	ζ Herculis.....(E&E)	E	1.6	19.0	36.3	54.0	11.2	28.4	46.0	...	...	...	16. 37.	21.02			20.21	46.27	26.06	.....
	29	κ Ophiuchi.....	E	34.3	36.7	39.3	44.4	46.8	49.3	56.7	59.3	1.6	4.2	16. 52.	49.37			48.79	14.72	25.93	.....
	30	κ Ophiuchi.....(E&E)	E	37.1	52.2	7.2	22.4	37.0	52.0	7.2	...	...	...	16. 52.	49.38			48.80	14.72	25.92	.....
	31	ε Herculis.....	E	0.6	3.5	6.4	12.4	15.2	18.2	26.5	29.5	32.4	35.3	16. 56.	18.13	- 1.63		17.33	43.26	25.93	.....
																(- 6.28)					
May 28	32	D 1 L.....	RC	25.7	28.4	31.1	36.5	39.0	41.7	49.4	52.3	54.9	57.3	8. 29.	41.75	(- 6.28)	41.32		29.89	8. 31. 17.64	
	33	α Hydræ.....	RC	13.3	15.7	18.2	23.3	25.9	28.6	35.7	38.3	40.8	43.3	9. 22.	28.42	[+ 0.84]	28.17	58.18	30.01	[+ 0.42]	.....
	34	δ Leonis.....	JS	21.8	24.7	27.1	32.6	35.3	37.8	...	...	...	...	11. 8.	37.89			37.43	7.16	29.73	29.53
	35	δ Leonis.....	r	...	...	...	...	...	...	45.6	48.2	50.9	53.4	11. 8.	37.82			37.36	7.16	29.80	.....
	36	δ Crateris.....	JS	54.3	56.7	59.3	4.7	7.1	9.6	...	...	...	...	11. 14.	9.66			9.44	39.21	29.74	.....
	37	δ Crateris.....	JS	...	...	...	...	...	...	17.0	19.7	22.2	25.0	11. 14.	9.69			9.47	39.21	29.74	.....
	38	υ Leonis.....	RC	24.4	26.7	29.2	34.3	36.7	39.2	46.4	49.2	51.3	53.8	11. 31.	39.23			38.92	8.93	30.01	29.89
	39	Bradley 1672.....	RC	51.2	0.5	6.7	19.2	25.4	30.8	44.7	51.1	56.9	9.5	12. 14.	14.58			59.21	28.87	29.66	.....
	40	η Virginis.....	S	22.1	24.5	27.0	...	...	37.0	...	46.8	49.1	51.6	12. 14.	36.99			36.68	6.81	30.13	29.95
	41	δ ² Corvi.....	S	15.7	18.1	20.8	26.1	28.5	31.1	38.8	41.4	43.7	46.4	12. 24.	31.18			30.97	1.15	30.18	.....
	42	δ Virginis.....	d	8.5	11.1	13.4	18.5	21.0	23.5	...	...	...	...	12. 25.	23.49			23.15	53.24	30.09	29.89
	43	δ Virginis.....	r	...	...	...	...	...	...	30.8	33.3	35.6	38.0	12. 50.	23.47			23.13	53.24	30.11	.....
	44	ε Virginis.....	r	46.1	48.6	51.0	56.1	58.6	1.3	...	...	...	...	12. 57.	1.24			0.86	31.01	30.15	.....
	45	ε Virginis.....	d	...	...	...	...	...	...	8.6	11.0	13.5	16.1	12. 57.	1.15			0.77	31.01	30.24	.....
	46	Polaris S.P.....	RC	34.8	41.3	46.0	58.1	3.6	8.4	23.9	29.0	34.2	47.9	13. 23.	56.95			19.21	48.97	29.76	.....
May 29	47	⊙ 1 L.....	W	34.1	36.6	39.3	44.7	47.3	50.0	57.8	0.6	3.1	5.9	4. 19.	50.06	(- 6.87)	57.61		30.29		
	48	⊙ 2 L.....	W	50.1	52.9	55.4	0.8	3.5	6.1	14.0	16.7	19.4	21.9	4. 22.	6.20	[+ 0.89]			[+ 0.48]	4. 21. 27.99	

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 28 and 30, - 92^m 86^s; and - 92^m 86^s.
 Corrections for passage of Semidiameter, Nos. 1, 9, 15, and 32, - 70^m 98^s; - 68^m 84^s; + 0^m 44^s; and + 66^m 29^s.

1, 9, 32. Correction to R.A. on true meridian - 0^m 01^s.

6. Observed over wire T with the transit-micrometer set to readings 34^m 223, 34^m 186, 34^m 155, 34^m 102, 33^m 989, 33^m 948, 33^m 908, 33^m 795, 33^m 745, 33^m 704.

8. Reduction to D's centre at time of transit of Crater, - 14^m 72^s. A further correction of - 0^m 62^s has been applied to reduce to time of transit of D's centre on true meridian.

12, 13. Limbs boiling violently.

15. Very unsteady; cloudy.

16, 17. Kept for diameter only. No determination of the clock error having been made within 24^{hrs} of the observation.

22. Observed over wire T with the transit-micrometer set to readings 36^m 248, 36^m 352, 36^m 478, 36^m 812, 36^m 915, 37^m 120, 37^m 177, 37^m 303, 37^m 615, 37^m 715.

39. Observed over wire Q with the transit-micrometer set to readings 35^m 263, 35^m 388, 35^m 459, 35^m 610, 35^m 680, 35^m 748, 35^m 926, 36^m 010, 36^m 077, 36^m 241.

46. Observed over wire U with the transit-micrometer set to readings 35^m 810, 35^m 752, 35^m 740, 35^m 633, 35^m 575, 35^m 538, 35^m 402, 35^m 352, 35^m 310, 35^m 187.

May 21^d to 28^d. The western Y taken out and cleaned. A piece of tin-foil placed underneath in order to reduce the level error. The friction wheels showing signs of wear were re-turned.

MONTH DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
May 29	1	Venus 1 L.....	W	14.1	16.7	19.5	25.0	27.7	30.6	38.6	41.3	44.1	46.7	6. 14. 30.55	- 1.63	30.01			30.29	6. 15. 0.88
	2	Castor.....	W	48.0	51.0	53.7	59.8	2.7	5.8	14.4	17.2	20.0	22.8	7. 28. 5.67	(- 6.87)	5.05	35.54	30.49	[+ 0.48]	7. 28. 35.49
	3	Procyon.....	W	37.5	39.8	42.3	47.3	49.7	52.4	59.6	2.1	4.8	7.1	7. 33. 52.37	[+ 0.89]	51.98	22.38	30.40		7. 34. 22.42
	4	Pollux.....	W	...	...	...	57.7	0.6	3.4	11.7	14.7	17.3	19.9	7. 39. 3.45		2.88	33.30	30.42		7. 39. 33.32
	5	♂ 1 L.....	W	59.6	2.3	4.9	10.1	12.8	15.5	23.2	25.8	28.6	31.0	9. 23. 15.50		15.04				9. 24. 51.70
	6	♂ Virginis.....	W	21.1	23.5	25.9	31.0	33.4	35.9	...	...	...	...	13. 4. 35.97		35.66	6.20	30.54		13. 5. 6.21
	7	♂ Virginis.....	W	...	...	...	...	...	...	43.3	45.7	48.2	50.7	13. 4. 36.00		35.69	6.20	30.51		13. 5. 6.24
	8	Spica.....	W	30.4	32.8	35.3	40.4	43.0	45.5	52.8	55.3	57.8	0.4	13. 19. 45.48		45.21	15.81	30.60		13. 20. 15.77
	9	Polaris S.P.....	W	22.1	25.4	28.7	31.9	35.3	38.4	41.7	45.3	48.5	51.8	13. 23. 54.72		18.56	49.67	31.11		.....
	10	τ Virginis.....	W	...	10.6	13.1	17.9	20.5	23.0	30.4	32.7	35.2	...	13. 56. 23.04		22.67	53.16	30.49		13. 56. 53.24
	11	Arcturus.....	W	38.3	40.7	43.0	48.6	51.2	53.6	...	...	...	...	14. 10. 53.84		53.33	23.81	30.48		14. 11. 23.90
	12	Arcturus.....	W	...	...	...	...	...	...	1.4	4.0	6.6	9.3	14. 10. 53.71		53.20	23.81	30.61		14. 11. 23.77
	13	♂ Librae.....	W	7.5	9.8	12.5	17.8	20.6	23.2	30.8	33.6	36.0	38.7	15. 6. 23.17		22.95	53.56	30.61		15. 6. 53.54
	14	Groombridge 2283.....	W	49.0	52.1	55.0	57.8	1.0	3.8	8.1	11.4	14.2	17.4	15. 7. 19.13		6.86	37.76	30.90		.....
	15	♂ Librae.....	SE	13.3	15.5	18.0	23.1	25.6	28.2	35.6	38.1	40.3	43.2	15. 11. 28.20		27.91	58.60	30.69	30.44	.....
	16	♂ Librae.....	SE	3.1	5.6	8.0	13.3	15.8	18.4	...	...	...	...	15. 17. 18.43		18.19	48.97	30.78		.....
	17	α Coronæ.....	HA	57.6	0.2	3.1	8.7	11.3	14.3	22.3	25.1	27.8	30.7	15. 30. 14.24		13.68	44.14	30.46	30.21	.....
	18	α Serpentis.....	HA	54.8	57.3	59.7	4.7	7.2	9.6	17.0	19.6	22.1	24.6	15. 39. 9.77		9.37	39.96	30.59		.....
	19	ε Serpentis.....	HA	24.4	26.8	29.3	34.4	37.0	39.4	46.6	49.1	51.6	54.1	15. 45. 39.38		38.99	9.50	30.51		.....
	20	Polaris.....	JS	54.3	3.1	8.0	21.6	25.7	29.6	41.2	46.6	50.6	58.7	13. 24. 40.41	(- 5.52) [+ 0.19]	20.86	50.02	29.16	30.77	.....
May 30	21	♂ 1 L.....	JS	37.7	40.7	43.3	48.6	51.3	53.9	1.7	4.6	7.1	9.8	4. 23. 53.99						4. 25. 32.50
	22	♂ 2 L.....	JS	54.1	56.8	59.3	4.8	7.4	10.2	18.0	20.8	23.4	26.1	4. 26. 10.21						
May 31	23	♂ Virginis.....	HA	20.2	22.6	25.0	30.1	32.7	35.1	42.3	44.9	47.3	49.6	13. 4. 35.09		34.79	6.19	31.40	31.15	.....
	24	Spica.....	HA	29.5	31.9	34.5	39.6	42.1	44.7	51.9	54.7	57.0	59.5	13. 19. 44.65		44.38	15.80	31.42		.....
	25	Polaris S.P.....	E	4.4	10.8	17.3	38.7	44.1	59.0	5.8	11.4	29.6	35.2	13. 23. 58.79		17.90	51.09	33.19	31.43	.....
	26	τ Boötis.....	E	2.1	4.7	7.3	12.7	15.2	17.7	25.4	28.1	30.7	33.2	13. 42. 17.83		17.40	49.02	31.62		.....
	27	η Boötis.....	E	...	...	...	32.0	37.4	40.1	42.7	50.3	52.9	...	13. 49. 42.67		42.24	13.87	31.63		.....
	28	τ Virginis.....	E	7.0	9.3	11.9	16.8	19.3	21.9	29.0	31.4	33.9	36.6	13. 56. 21.82		21.48	53.15	31.67		.....
	29	τ Virginis.....(E&E)	E	20.9	35.6	50.3	5.1	20.0	34.7	49.7	...	...	...	13. 56. 21.89		21.55	53.15	31.60		.....
	30	ρ Boötis.....	E	59.6	2.5	5.6	11.2	14.1	17.0	25.3	28.2	31.2	34.2	14. 27. 17.02		16.49	48.23	31.74		.....
	31	ρ Boötis.....(E&E)	E	9.1	25.9	42.9	0.5	17.3	34.5	52.0	...	...	...	14. 27. 17.03		16.50	48.23	31.73		.....
	32	Groombridge 2283.....	E	29.9	35.7	42.3	2.9	6.8	19.8	24.6	29.9	47.2	51.4	15. 7. 16.48		6.61	37.39	30.78		.....
	33	♂ Librae.....	E	12.0	14.6	17.0	22.0	24.5	27.2	34.6	36.9	39.3	42.0	15. 11. 27.12		26.84	58.61	31.77		.....
	34	λ Ophiuchi.....	R	25.3	27.7	30.2	35.3	37.7	40.3	47.3	50.1	52.6	55.1	16. 25. 40.27		40.41	12.08	31.67		.....
	35	σ Ophiuchi.....	d	6.4	8.9	11.3	16.3	18.8	21.3	...	...	...	...	17. 21. 21.33		20.98	52.80	31.82		.....
	36	σ Ophiuchi.....	r	...	...	...	...	...	...	31.2	33.4	36.1	38.6	17. 21. 21.36		21.01	52.80	31.79		.....
	37	σ Ophiuchi.....	r	...	...	...	...	...	...	...	...	...	...	17. 30. 4.71		4.31	36.02	31.71		.....
	38	σ Ophiuchi.....	d	...	...	...	...	...	...	11.8	14.4	17.1	19.6	17. 30. 4.52		4.12	36.02	31.90		.....
	39	89 Herculis.....	E	51.5	54.4	57.0	2.6	5.3	8.1	16.1	19.0	21.5	24.5	17. 51. 8.13		7.64	39.44	31.80		.....
	40	♂ Ursæ Minoris.....	E	5.6	11.5	18.3	41.2	45.1	57.8	3.6	9.2	26.8	32.8	18. 2. 29.07		22.00	54.87	32.87		.....
	41	72 Ophiuchi.....	E	8.8	11.2	13.6	18.7	21.3	23.8	31.1	33.6	36.2	38.7	18. 2. 23.81		23.43	55.31	31.88		.....
	42	Cephei 51 S.P.....	E	22.1	29.5	35.6	0.7	5.2	19.6	28.8	29.5	49.4	54.8	18. 55. 41.83		49.87	20.77	30.90		.....
	43	Mercury 2 L.....	SE	...	...	...	...	...	...	48.6	51.2	53.9	...	3. 55. 40.85		40.41			31.97 [+ 0.40]	3. 56. 12.27
June 1	44	♂ 1 L.....	SE	...	...	...	56.8	59.4	2.3	...	12.8	15.4	18.2	4. 32. 2.25		1.80				4. 33. 42.13
	45	Venus 1 L.....	SE	11.9	14.6	17.3	23.0	25.6	28.5	36.3	39.1	41.6	44.7	6. 30. 2.838		27.90				6. 31. 0.44
	46	ρ Boötis.....	SE	59.2	2.1	4.9	10.6	13.7	16.6	24.9	27.9	30.8	33.4	14. 27. 16.54		16.01	48.22	32.21		.....
June 2	47	♂ 1 L.....	W	39.9	42.5	45.1	50.3	52.9	55.4	2.8	5.5	7.9	10.3	12. 58. 55.37	(- 4.14)	55.09			32.34	13. 0. 35.41
	48	Mösting A.	W	48.0	50.6	53.2	58.3	0.8	3.4	10.7	13.4	16.0	18.6	13. 0. 3.41	(- 0.20)	3.13				13. 0. 35.38
	49	Spica.....	W	23.2	30.8	33.4	38.6	41.0	43.6	...	...	...	...	13. 19. 43.56		43.32	15.79	32.47		13. 20. 15.88
	50	Spica.....	r	...	...	...	...	...	...	50.7	53.3	55.8	58.6	13. 19. 43.48		43.24	15.79	32.55		13. 20. 15.80

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 29, and 31, - 103.87: and - 103.88.

Corrections for passage of Semidiameter, Nos. 1, 5, 43, 44, 45, and 47, + 0.46: + 66.19: - 0.18: + 68.28: + 0.46: and + 67.77.

1. Very cloudy. 4. Very faint; cloudy. 5, 47. Correction to R.A. on true meridian - 0.8.01.
9. Observed over wire T with the transit-micrometer set to readings 36^r27.4, 36^r24.0, 36^r22.7, 36^r18.8, 36^r16.2, 36^r12.4, 36^r13.3, 36^r08.6, 36^r05.2, 36^r02.6.
14. Observed over wire X with the transit-micrometer set to readings 35^r67.8, 35^r72.6, 35^r78.8, 35^r83.2, 35^r87.7, 35^r93.6, 35^r99.2, 36^r04.8, 36^r10.0, 36^r16.2.
20. Observed over wire T with the transit-micrometer set to readings 36^r62.3, 36^r70.3, 36^r73.6, 36^r84.8, 36^r89.4, 36^r92.6, 37^r03.7, 37^r06.6, 37^r10.6, 37^r18.3.
25. Observed over wire O with the transit-micrometer set to readings 36^r39.1, 36^r33.3, 36^r27.0, 36^r09.1, 36^r05.8, 35^r93.5, 35^r86.6, 35^r82.0, 35^r66.9, 35^r62.7.
32. Observed over wire R with the transit-micrometer set to readings 35^r18.8, 35^r29.9, 35^r39.2, 35^r75.3, 35^r81.9, 36^r04.8, 36^r10.9, 36^r20.5, 36^r49.0, 36^r56.1.
40. Observed over wire O with the transit-micrometer set to readings 34^r27.4, 34^r42.5, 34^r58.7, 35^r14.4, 35^r23.6, 35^r57.1, 35^r67.9, 35^r81.2, 36^r22.5, 36^r35.5.
42. Observed over wire X with the transit-micrometer set to readings 38^r78.9, 38^r63.1, 38^r52.4, 38^r52.4, 37^r92.0, 37^r64.9, 37^r54.3, 37^r45.4, 37^r06.0, 36^r94.0.
48. Reduction to D's centre at time of transit of crater - 0.29. A further correction of - 0.02 has been applied to reduce to time of transit of D's centre on true meridian.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
June 2	1	Polaris S.P.	W	6.4	9.0	11.9	15.1	7.2	10.4	14.3	...	...	...	13.24.36.9	- 1.63		18.61	52.69	34.08	32.34	.....
	2	η Boötis	W	26.0	28.6	31.1	36.6	39.1	41.6	...	...	...	...	13.49.41.73	(- 4.14)		41.36	13.86	32.50	[+ 0.40]	13.50.13.93
	3	η Boötis	W	...	...	...	...	...	...	49.2	51.8	54.5	57.2	13.49.41.62	(- 0.20)		41.25	13.86	32.61		13.50.13.82
	4	Arcturus	W	35.7	38.5	41.0	46.4	49.0	51.6	59.3	2.1	4.7	7.2	14.10.51.67			51.30	23.79	32.49		14.11.23.88
	5	Groombridge 2283	W	7.2	14.1	18.3	22.0	37.8	41.6	44.8	48.7	4.0	7.9	15.7.12.55			4.84	36.95	32.11		.....
	6	ε Serpentis	W	...	...	...	32.3	34.8	37.2	44.6	47.0	49.3	51.8	15.45.37.24			36.93	9.52	32.59		15.46.9.53
	7	λ Ophiuchi	W	25.0	27.4	29.7	34.8	37.3	39.7	47.0	49.5	51.8	54.3	16.25.39.76			39.46	12.10	32.64		16.26.12.07
	8	β Ophiuchi	W	4.3	6.6	9.2	14.1	16.7	19.2	26.4	28.9	31.3	33.7	17.38.19.15			18.84	51.51	32.67		17.38.51.47
	9	δ Ursæ Minoris	W	24.1	27.6	30.9	34.4	50.6	53.5	56.3	59.6	10.9	14.1	18.2.27.63			22.10	55.08	32.98		.....
	10	72 Ophiuchi	W	8.0	10.5	12.8	17.9	20.5	23.0	30.3	32.8	35.4	37.7	18.2.23.00			22.68	55.34	32.66		18.2.55.32
	11	μ Sagittarii	W	21.9	24.6	27.2	32.6	35.4	37.8	45.7	48.7	51.2	53.8	18.7.38.01			37.79	10.44	32.65		18.8.10.43
	12	Uranus	W	59.1	1.7	4.5	9.9	12.6	15.3	...	26.1	28.9	31.3	18.32.15.39			15.18				18.32.47.83
	13	Cephei 51 S.P.	W	53.2	57.4	0.9	5.0	19.0	21.9	25.0	28.6	40.3	43.4	18.55.42.09			48.36	20.37	32.01		.....
	14	δ Aquilæ	W	59.8	2.3	4.8	9.5	12.3	14.7	22.1	24.6	26.8	29.1	19.20.14.71			14.41	47.13	32.72		19.20.47.07
June 3	15	⊙ 1 L.	W	56.2	58.8	1.5	7.2	9.5	12.3	20.1	23.1	25.5	28.4	4.40.12.38						32.66	4.41.53.27
	16	⊙ 2 L.	W	...	15.7	18.5	24.0	26.7	29.3	37.1	39.6	42.6	...	4.42.29.31			20.47				
	17	ε Virginis	JS	43.3	45.8	48.4	53.5	56.0	58.5	...	...	...	...	12.56.58.54	[+ 0.04]		58.22	30.96	32.74	32.44	.....
	18	ε Virginis	JS	...	...	...	...	...	...	5.9	8.5	11.0	13.4	12.56.58.55			58.23	30.96	32.73	[+ 0.42]	.....
	19	θ Virginis	JS	18.8	21.3	23.6	28.7	31.3	33.6	...	...	...	...	13.4.33.72			33.46	6.17	32.71		.....
	20	θ Virginis	JS	...	...	...	...	...	...	41.0	43.5	46.0	48.6	13.4.33.80			33.54	6.17	32.63		.....
	21	66 Virginis	JS	53.4	55.8	58.3	3.4	5.9	8.6	15.6	18.1	20.7	23.2	13.19.8.41			8.15				13.19.40.82
	22	Polaris S.P.	JS	55.9	1.4	7.4	17.4	25.1	32.5	37.1	42.4	47.3	53.7	13.24.4.34			19.77	53.60	33.83		.....
	23	m Virginis	JS	54.6	57.1	59.6	4.7	7.2	9.6	17.0	19.5	21.9	24.5	13.36.9.68			9.43	42.07	32.64		.....
	24	η Boötis	JS	25.7	28.4	31.0	36.4	38.8	41.5	49.2	51.6	54.4	57.0	13.49.41.52			41.16	13.85	32.69		.....
	25	⊙ 1 L.	JS	46.3	48.7	51.1	56.4	58.8	1.5	9.1	11.6	14.3	16.8	13.56.1.57			1.32				13.57.43.20
	26	Mösting A.	JS	...	59.7	2.4	7.6	10.1	12.8	20.4	23.0	25.6	...	13.57.12.81			12.56				13.57.43.05
June 5	27	⊙ 1 L.	RC	7.9	10.7	13.3	18.7	21.2	24.1	31.9	34.8	37.3	40.2	4.48.24.13	- 1.78					33.72	4.50.6.01
	28	⊙ 2 L.	RC	25.0	27.7	30.3	35.8	38.3	41.0	49.0	51.7	54.2	57.1	4.50.41.13	(- 4.26)					[+ 0.45]	6.52.13.64
	29	Venus 1 L.	RC	23.3	25.9	28.7	34.4	37.2	39.7	47.6	50.4	53.1	56.0	6.51.39.75	(- 1.10)						7.34.22.40
	30	Procyon	RC	33.9	36.3	38.7	43.9	46.6	48.8	55.8	58.8	1.6	3.6	7.33.48.91			39.32				.....
	31	82 Corvi	HA	12.1	14.6	17.2	22.6	24.9	27.7	35.0	37.8	40.3	42.9	12.24.27.63			48.54	22.35	33.81		.....
	32	β Corvi	HA	38.5	41.0	43.6	49.1	51.9	54.6	2.5	5.2	7.9	10.5	12.28.54.62			27.33	1.07	33.74	33.54	.....
	33	Polaris S.P. (E&E)	RC	11.0	27.0	40.0	50.0	1.0	15.0	26.0	36.0	48.0	59.0	13.24.6.32			54.31	28.11	33.80		.....
	34	94 Virginis	RC	31.7	34.2	36.8	41.8	44.4	46.9	54.3	56.8	59.2	1.5	14.0.46.87			20.17	55.57	35.40	33.72	.....
	35	f Boötis	RC	17.6	19.6	22.1	27.4	30.1	33.0	40.6	43.3	45.7	48.4	14.21.32.90			46.54	20.58	34.04		14.1.20.54
	36	α Libræ	RC	53.3	55.7	58.3	3.5	6.1	8.8	16.3	18.9	21.2	23.9	14.45.8.72			32.48	6.45	33.97		14.22.6.47
	37	α Coronæ	RC	54.0	56.7	59.2	4.9	7.8	10.6	18.7	21.5	24.3	27.2	15.30.10.62			8.42	42.37	33.95		14.45.42.42
	38	ε Serpentis	RC	20.9	23.3	25.8	31.0	33.5	35.9	...	...	...	...	15.45.35.90			10.17	44.15	33.98		15.30.44.18
	39	ε Serpentis	RC	...	...	...	...	...	...	43.5	45.7	48.1	50.8	15.45.36.05			35.53	9.53	34.00		15.46.9.55
	40	γ Serpentis	RC	19.7	21.7	24.5	29.6	32.2	34.8	...	...	...	...	15.51.34.83			35.68	9.53	33.87		15.46.9.70
	41	γ Serpentis	RC	...	...	...	...	...	...	42.4	44.5	47.7	50.2	15.51.34.96			34.43	8.37	33.94		15.52.8.45
	42	⊙ 1 L.	RC	15.0	17.5	20.0	25.5	28.1	30.8	38.7	41.3	43.9	46.7	15.58.30.87			34.56	8.37	33.81		15.52.8.58
	43	Mösting A.	RC	34.4	37.0	39.5	45.0	47.7	50.3	58.0	0.8	3.5	6.2	15.59.50.36			30.56				16.0.17.16
	44	δ Ophiuchi	JS	...	...	...	48.6	...	53.6	0.8	3.3	5.8	8.2	16.8.53.57			50.05				16.0.17.30
	45	γ Herculis	JS	...	...	...	4.4	9.5	12.2	14.8	22.6	25.2	...	16.17.14.88			53.23	26.95	33.72	33.41	.....
	46	δ Ursæ Minoris	RC	49.3	57.9	4.6	17.5	22.3	27.6	40.2	46.7	50.9	56.7	18.2.25.76			14.46	48.16	33.70		.....
	47	72 Ophiuchi	RC	6.4	8.9	11.5	16.6	19.0	21.5	28.9	31.4	33.7	36.5	18.2.21.55			20.54	55.26	34.72	33.72	.....
	48	η Serpentis	RC	39.6	42.3	44.8	49.7	52.2	54.9	1.7	4.7	7.1	9.3	18.15.54.74			21.17	55.39	34.22		18.2.55.23
	49	η Serpentis (E&E)	RC	58.3	13.0	27.7	42.9	57.2	12.0	26.8	...	...	...	18.15.54.72			54.40	28.54	34.14		18.16.28.46
	50	Aldebaran	W	...	...	...	...	54.4	57.0	4.6	7.2	9.5	12.2	4.29.56.99	[+ 0.35]		56.64	30.77	34.13	[+ 0.42]	4.30.30.81

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 33, and 49, - 107^s.87 : and - 107^s.92.Corrections for passage of Semidiameter, Nos. 25, 29, and 42, + 69^s.20 : + 0^s.47 : and + 72^s.59.

- Observed over wire T with the transit-micrometer set to readings 35^s.470, 35^s.453, 35^s.422, 35^s.382, 34^s.428, 34^s.420, 34^s.400. Very faint; cloudy.
- Observed over wire T with the transit-micrometer set to readings 34^s.876, 34^s.992, 35^s.088, 35^s.167, 35^s.417, 35^s.474, 35^s.538, 35^s.588, 35^s.840, 35^s.922.
- Observed over wire R with the transit-micrometer set to readings 35^s.050, 35^s.144, 35^s.223, 35^s.314, 35^s.692, 35^s.750, 35^s.832, 35^s.930, 36^s.166, 36^s.238.
- Diffused.
- Observed over wire U with the transit-micrometer set to readings 36^s.426, 36^s.382, 36^s.312, 36^s.180, 35^s.888, 35^s.850, 35^s.784, 35^s.692, 35^s.490, 35^s.424.
- Observed over wire S with the transit-micrometer set to readings 36^s.087, 36^s.013, 35^s.982, 35^s.887, 35^s.816, 35^s.772, 35^s.734, 35^s.676, 35^s.644, 35^s.583.
- Reduction to D's centre at time of transit of crater - 2^s.10. A further correction of - 0^s.09 has been applied to reduce to time of transit of D's centre on true meridian.
- Limbs unsteady.
- Observed over wire O with the transit-micrometer set to readings 32^s.200, 32^s.100, 32^s.000, 31^s.900, 31^s.800, 31^s.700, 31^s.600, 31^s.500, 31^s.400, 31^s.300.
- Correction to R.A. on true meridian - 0^s.01.
- Reduction to D's centre at time of transit of crater - 6^s.46. A further correction of - 0^s.31 has been applied to reduce to time of transit of D's centre on true meridian.
- Observed over wire U with the transit-micrometer set to readings 35^s.072, 35^s.255, 35^s.455, 35^s.755, 35^s.862, 36^s.013, 36^s.330, 36^s.450, 36^s.570, 36^s.645.

908604MM 684

MONTH
and
DAY.

No. for Reference

NAME
OF
OBJECT.

Observer.

Seconds of Transit over the Wires.

I.

II.

III.

IV.

V.

VI.

VII.

VIII.

IX.

X.

Concluded
Transit
over the
Centre Wire.

Error of
Collimation.
(Level).
[Azimuth].

Seconds
of
Transit
Cor-
rected.

Tabular
R.A.
of
Known
Stars.

Clock
appa-
rently
Slow.

Adopted
Clock Slow
at
Sidereal
and
[Losing Rate].

Apparent
R.A.
of Centre
from the
Observation.

h m s

h m s

June 6

1

⊙ 1 L.....

W

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43.7

46.3

2.4

18.7

4. 52. 30.48

- 1.78

38 67

0.31

34.24

34.09

4. 54. 12.85

2

⊙ 2 L.....

W

31.2

34.0

36.7

42.4

44.9

47.6

55.6

58.4

0.7

3.6

4. 54. 47.63

(- 4.26)

[+ 0.35]

3

Rigel.....

W

...

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36.4

38.7

41.1

55.7

11.1

5. 9. 26.31

5. 30. 51.80

5. 31. 25.71

5. 50. 4.16

6. 57. 30.71

4

ε Orionis.....

W

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41.7

46.8

49.3

51.9

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5. 30. 51.80

5. 49. 30.28

5. 50. 4.16

6. 57. 30.71

5

α Orionis.....

W

...

...

...

...

30.3

37.6

40.0

42.6

45.0

5. 49. 30.28

5. 50. 4.16

6. 57. 30.71

6

Venus 1 L.....

W

40.1

42.7

45.3

51.0

53.6

56.4

4.3

7.2

9.9

12.6

6. 56. 56.43

6. 57. 30.71

7

Castor.....

W

43.8

46.5

50.0

55.9

58.7

1.6

10.0

13.3

16.0

19.1

7. 28. 1.62

7. 28. 35.39

7. 34. 22.35

7. 39. 33.21

8

Procyon.....

W

...

...

...

46.1

48.3

55.8

58.1

0.7

3.0

7. 33. 48.43

7. 34. 22.35

7. 39. 33.21

9

Pollux.....

W

42.7

45.2

48.1

53.8

56.5

59.4

7.1

10.6

13.4

16.1

7. 38. 59.42

7. 39. 33.21

10

31 Comæ.....

HA

...

...

28.7

31.6

34.6

42.7

45.4

48.1

51.0

12. 46. 34.43

12. 50. 19.23

11

δ Virginis.....

HA

4.4

6.8

9.2

14.3

16.7

19.2

26.5

28.9

31.4

33.8

12. 50. 19.23

12. 56. 57.00

12

ε Virginis.....

HA

41.7

44.3

46.8

51.8

54.6

57.1

4.4

7.0

9.3

11.9

12. 56. 57.00

13. 5. 32.07

13

θ Virginis.....

B

17.2

19.5

22.0

27.2

29.5

32.0

39.3

41.8

44.4

46.7

13. 5. 32.07

13. 19. 41.71

14

Spica.....

B

26.7

29.1

31.5

36.6

39.2

41.6

49.0

51.6

54.0

56.7

13. 19. 41.71

13. 24. 3.91

15

Polaris S.P.....

W

1.5

5.0

7.8

11.4

24.8

28.1

31.4

34.6

46.3

49.6

13. 24. 3.91

13. 49. 39.85

16

η Boötis.....

d

24.1

26.7

29.2

34.7

37.2

39.8

...

...

...

...

13. 49. 39.85

13. 50. 13.88

17

η Boötis.....

r

W

...

...

...

...

47.6

50.2

52.8

55.3

13. 49. 39.92

14. 7. 20.32

18

κ Virginis.....

r

W

5.3

7.8

10.1

15.2

17.7

20.3

...

...

...

14. 7. 20.32

14. 7. 54.42

19

κ Virginis.....

d

W

...

...

...

...

27.5

30.1

32.7

35.3

14. 7. 20.31

14. 7. 54.41

20

Groombridge 2283.....

W

2.9

6.9

9.7

12.9

16.4

19.6

23.2

26.6

29.5

32.9

15. 7. 10.14

15. 35.66

21

β¹ Scorpii.....

W

10.3

12.8

15.4

20.7

23.3

26.1

33.6

36.4

38.8

41.4

15. 59. 26.00

16. 0. 0.17

22

κ Herculis.....

R

W

1.6

4.3

6.8

12.1

14.6

17.2

...

...

...

16. 3. 17.26

16. 3. 51.75

23

δ Ophiuchi.....

R

W

37.7

40.2

42.7

47.7

50.0

52.8

...

...

...

16. 8. 52.67

16. 9. 27.10

24

Antares.....

W

49.9

52.7

55.3

1.2

3.6

6.7

14.4

17.3

20.1

22.9

16. 23. 6.54

16. 23. 40.75

25

24 Scorpii.....

W

...

...

...

...

43.5

46.0

48.7

51.3

16. 35. 35.91

16. 36. 10.08

26

D 1 L.....

W

...

...

...

39.0

41.8

44.8

52.7

55.2

58.0

0.7

17. 3. 44.58

17. 5. 32.46

27

D 2 L.....

W

...

...

6.7

9.2

11.8

19.9

22.7

25.3

28.0

17. 6. 11.98

17. 5. 32.41

28

Mösting A.....

W

...

...

...

...

15.5

18.1

20.8

23.4

17. 5. 7.46

17. 50. 25.20

29

Mayer 722.....

W

35.3

37.7

40.4

45.7

48.5

51.0

58.8

1.2

3.9

6.4

17. 49. 51.01

18. 8. 10.46

30

δ Ursæ Minoris.....

W

50.9

54.6

58.1

3.6

9.4

12.8

15.7

19.0

22.5

25.3

18. 2. 26.21

18. 32. 10.41

31

μ Sagittarii.....

W

20.2

22.8

25.6

31.0

33.5

36.2

44.1

46.7

49.3

51.9

18. 7. 36.25

18. 32. 10.41

32

Uranus.....

W

...

...

30.7

33.3

36.1

44.1

46.8

49.4

52.2

18. 31. 36.18

33.75

34.47

34.72

34.25

33

β¹ Lyræ.....

E

46.4

49.3

52.3

58.4

1.0

4.2

12.9

15.7

18.8

21.6

18. 46. 4.20

18. 54. 48.92

34

ε Aquilæ.....

E

33.4

35.9

38.7

43.7

46.3

49.0

56.4

59.0

1.5

4.2

18. 54. 48.92

19. 0. 32.99

35

ζ Aquilæ.....

E

17.6

20.1

22.6

27.7

30.5

33.0

40.6

43.0

45.4

48.3

19. 0. 32.99

June 7

36

⊙ 1 L.....

JS

21.5

23.9

26.7

32.2

35.1

37.7

45.4

48.5

50.9

53.6

4. 56. 37.67

4. 58. 54.78

37

⊙ 2 L.....

JS

38.7

41.2

43.6

49.2

51.9

54.7

2.7

5.5

8.2

10.9

4. 58. 54.78

7. 2. 12.55

38

Venus 1 L.....

JS

56.3

58.8

1.5

7.0

9.7

12.7

20.4

23.2

26.1

28.6

7. 2. 12.55

7. 28. 1.53

39

Castor.....

JS

43.9

46.7

49.6

55.7

58.7

1.6

10.2

13.1

15.7

18.8

7. 28. 1.53

7. 33. 48.27

40

Procyon.....

JS

33.3

35.8

38.4

43.1

45.6

48.2

55.5

58.1

0.7

2.9

7. 33. 48.27

7. 38. 59.23

41

Pollux.....

JS

42.4

45.1

48.0

53.6

56.4

59.3

7.3

10.1

13.0

15.8

7. 38. 59.23

9. 22. 23.87

42

α Hydræ.....

JS

8.8

11.2

13.9

18.8

21.3

23.7

31.2

33.6

36.4

38.7

9. 22. 23.87

14. 7. 19.89

43

κ Virginis.....

HA

4.9

7.3

9.8

14.7

17.2

20.0

27.2

29.7

32.3

34.7

14. 7. 19.89

14. 10. 49.42

44

Arcturus.....

HA

33.5

36.3

38.7

44.2

46.7

49.5

57.0

59.6

2.5

5.0

14. 10. 49.42

14. 27. 13.89

45

ρ Boötis.....

HA

56.7

59.2

2.3

8.2

11.0

13.9

22.4

25.1

28.0

30.8

14. 27. 13.89

14. 40. 20.29

46

ε² Boötis.....

JS

3.5

6.3

9.0

14.7

17.4

20.3

28.5

31.3

33.9

36.7

14. 40. 20.29

14. 45. 8.18

47

α Libræ.....

d

JS

52.7

55.2

57.8

2.9

5.6

8.3

...

...

...

14. 45. 8.18

14. 45. 8.14

48

α Libræ.....

r

JS

...

...

...

...

15.7

18.2

20.8

23.3

14. 45. 8.14

14. 59. 52.70

49

ψ Boötis.....

r

JS

35.9

38.7

41.5

47.1

49.8

52.7

...

...

...

14. 59. 52.70

15. 0. 26.7

50

ψ Boötis.....

d

JS

...

...

...

...

0.7

3.4

6.2

9.0

14. 59. 52.51

15. 0. 26.5

51

ι¹ Libræ.....

JS

3.5

6.0

8.8

14.0

16.7

19.5

26.9

29.6

32.2

34.8

15. 6. 19.32

15. 6. 53.6

52

Groombridge 2283.....

JS

38.5

45.4

51.2

56.1

1.2

6.4

12.3

18.6

20.8

35.8

15. 7. 10.76

15. 30. 9.76

53

α Coronæ.....

SE

...

55.7

58.6

4.2

6.9

9.7

17.9

20.7

23.4

...

15. 30. 9.76

Corrections for passage of Semidiameter, Nos. 6, and 38, +0.847: and +0.847.

- Observed over wires W, X, Y, and Z.
- Very faint.
- Observed over wire O with the transit-micrometer set to readings 30.870, 30.868, 30.831, 30.778, 30.660, 30.639, 30.608, 30.573, 30.489, 30.448.
- Observed over wire X with the transit-micrometer set to readings 35.030, 35.096, 35.161, 35.226, 35.290, 35.340, 35.380, 35.450, 35.491, 35.558.
- Diffused, windy.
- A correction of -0.805 for defect of illumination has been applied in forming the concluded transit.
- Correction to R.A. on true meridian -0.01.
- Reduction to D's centre at time of transit of crater -8.81. A further correction of -0.843 has been applied to reduce to time of transit of D's centre on true meridian.
- Observed over wire T with the transit-micrometer set to readings 36.586, 36.663, 36.770, 36.896, 37.020, 37.092, 37.197, 37.276, 37.350, 37.436.
- Very unsteady.
- Cloudy.
- Observed over wire U with the transit-micrometer set to readings 34.555, 34.683, 34.816, 34.861, 34.939, 35.051, 35.123, 35.233, 35.451, 35.550.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appara- rently Slow..	Adopted Clock Slow at oh Sideral and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
June 7	1	ε Serpentis.....	SE	19.8	22.6	24.8	30.1	32.6	35.2	42.2	44.8	47.3	49.6	15.45.35.01	- 1.78	34.69	9.54	34.85	[+ 0.45]	.....
	2	η Ophiuchi.....	JS	11.3	14.0	16.4	21.8	24.3	27.0	34.3	37.0	39.5	42.1	17.4.26.89	(- 4.71)	26.67	1.19	34.52	34.22	17.5.1.21
	3	Lalande 31611.....	JS	18.8	21.3	24.0	29.3	31.9	34.6	42.2	44.8	47.3	49.9	17.18.34.53	[+ 0.30]	34.31	1.20	36.10	34.90	17.19.8.87
	4	α Ophiuchi.....	BE	46.2	48.8	51.3	56.4	59.0	1.7	8.9	11.6	14.1	16.5	17.30.1.56		13.67	48.64	34.97	34.61	.....
	5	μ Herculis.....	BE	57.3	0.0	...	8.5	11.3	14.1	22.3	...	27.9	30.7	17.42.14.13		50.74	...	...	34.22	17.50.25.29
	6	Mayer 722.....	JS	35.2	37.8	40.3	45.6	48.3	51.0	58.6	1.3	3.8	6.6	17.49.50.97		20.71	55.25	34.54	.....	.....
	7	δ Ursæ Minoris.....	JS	44.3	51.0	1.0	5.9	11.3	16.8	21.3	27.3	33.8	39.6	18.2.27.26		20.94	55.42	34.48	18.2.55.50	.....
	8	72 Ophiuchi.....	JS	6.2	8.7	11.1	16.2	18.7	21.2	28.7	31.2	33.6	36.2	18.2.21.29		20.67	55.42	34.75	.....	.....
	9	72 Ophiuchi.....(E&E)	JS	25.2	40.2	55.4	10.3	25.1	40.0	55.2	...	...	...	18.2.21.02		34.21	...	...	18.11.57.21	.....
	10	Mösting A.....	JS	17.9	20.4	23.4	29.0	31.6	34.4	42.5	45.2	47.9	50.7	18.11.34.42		36.55	...	...	18.11.57.22	.....
	11	δ 2 L.....	JS	...	...	...	31.2	34.0	36.8	44.7	...	...	...	18.12.36.76		12.17	47.37	35.20	34.76	.....
	12	α Lyrae.....	S	53.6	56.7	59.9	6.4	9.5	12.6	22.0	25.2	28.5	31.4	18.33.12.72		3.47	38.49	35.02	.....	.....
	13	β ¹ Lyrae.....	S	46.2	49.0	52.0	57.9	0.9	4.1	12.6	15.7	18.5	21.3	18.46.3.96		48.61	23.14	34.53	34.22	18.55.23.18
	14	ε Aquilæ.....	JS	33.6	36.0	38.7	43.8	46.3	49.0	56.5	59.0	1.6	4.2	18.54.48.98		48.27	23.14	34.87	.....	.....
	15	ε Aquilæ.....(E&E)	JS	...	7.4	22.5	37.8	53.1	8.4	...	...	...	...	18.54.48.64		45.83	19.77	33.94	.....	.....
	16	Cephei 51 S.P.....	JS	37.2	43.3	48.1	52.2	55.8	59.9	4.1	9.1	13.5	19.2	18.55.38.31		56.98	31.51	34.53	19.29.31.56	.....
	17	μ Aquilæ.....	JS	42.4	44.8	47.2	52.1	54.7	57.3	4.7	7.1	9.6	12.1	19.28.57.31						
June 8	18	⊙ 1 L.....	E	27.8	30.3	33.2	38.8	41.2	44.0	51.8	54.4	56.7	59.9	5.0.43.93		} 52.32			35.02	5.2.27.43
	19	⊙ 2 L.....	E	45.2	47.9	50.7	56.1	58.9	1.7	9.5	12.2	14.8	17.3	5.3.1.55					[+ 0.42]	7.8.2.49
	20	Venus 1 L.....	E	11.0	...	16.3	21.8	24.7	27.3	35.2	37.9	...	43.4	7.7.27.31						.....
	21	Procyon.....	E	32.5	35.0	37.4	42.6	45.0	47.5	54.2	57.3	59.5	2.2	7.33.47.43						.....
	22	Pollux.....	E	41.8	44.4	47.2	52.8	55.8	58.7	6.7	9.6	12.4	15.2	7.38.58.58						.....
	23	Groombridge 2283.....	E	1.4	8.2	13.3	19.2	31.8	37.8	59.3	10.0	15.9	22.1	15.7.11.38	(- 5.32)	59.75	34.94	35.19		.....
June 9	24	β Libræ.....	E	8.5	11.0	13.4	18.5	21.0	23.6	30.8	33.3	35.9	38.4	15.11.23.55	[+ 2.08]	23.38	58.62	35.24		.....
	25	⊙ 1 L.....	S	35.3	38.1	40.7	46.1	48.8	51.5	59.6	2.2	4.8	7.6	5.4.51.59		} 59.90			35.29	5.6.35.28
	26	⊙ 2 L.....	S	52.9	55.5	58.1	3.7	6.6	8.8	16.8	19.6	22.1	24.8	5.7.9.01					[+ 0.43]	20.20.40.23
	27	Mösting A.....	W	...	...	...	14.0	16.7	19.4	27.4	30.0	32.8	35.4	20.20.19.43						20.20.40.31
	28	δ 2 L.....	W	59.2	2.1	5.0	10.3	13.1	15.0	23.8	26.3	29.1	31.8	20.21.15.78						.....
	29	ε Delphini.....	W	54.2	56.7	59.0	4.4	7.0	9.6	16.7	19.5	22.0	24.3	20.28.9.45						.....
June 10	30	α Delphini.....	W	27.0	29.5	32.0	37.3	39.8	42.3	49.9	52.3	55.0	57.7	20.34.42.40		} 7.50			35.67	5.10.43.31
	31	ε Aquarii.....	W	46.2	48.8	51.2	56.2	58.7	1.4	8.7	11.2	13.8	16.0	20.42.1.33						.....
	32	⊙ 1 L.....	PM	42.8	45.8	48.3	53.8	56.4	59.2	7.0	9.9	12.4	15.0	5.8.59.18						.....
	33	⊙ 2 L.....	PM	0.3	3.2	6.0	11.3	13.9	16.6	24.3	27.1	29.9	32.4	5.11.16.62						.....
	34	Venus 1 L.....	SE	51.3	54.2	56.8	2.3	5.1	7.8	15.3	18.4	21.1	23.9	7.23.7.74	- 1.74	7.37	26.01	36.15	36.29	7.23.44.29
	35	o Virginis.....	JS	35.0	37.5	40.0	45.0	47.7	50.1	...	...	...	...	11.59.50.13	(- 4.63)	49.86	26.01	36.26	[+ 0.48]	.....
June 11	36	o Virginis.....	JS	...	...	...	...	...	...	57.3	59.9	2.3	4.9	11.59.50.02	[+ 1.71]	49.75	26.01	36.26	35.96	.....
	37	η Virginis.....	JS	15.8	18.2	20.7	25.7	28.3	30.7	...	...	...	...	12.14.30.71		30.49	6.67	36.18		.....
	38	η Virginis.....	JS	...	...	...	...	...	...	37.9	40.3	42.8	45.3	12.14.30.64		30.42	6.67	36.25		.....
	39	Polaris S.P.....	SE	27.8	35.9	45.0	15.0	21.9	27.3	54.8	0.5	7.9	13.9	13.24.4.32		24.66	1.08	36.42	36.29	.....
	40	m Virginis.....	SE	50.7	53.2	55.4	0.6	3.2	5.8	13.0	15.5	18.0	20.4	13.36.5.69		5.51	42.02	36.51		.....
	41	τ Boötis.....	SE	56.8	59.5	2.1	7.3	10.1	12.8	20.3	23.0	25.4	28.0	13.42.12.65		12.32	48.94	36.62		.....
	42	η Boötis.....	SE	21.9	24.3	26.9	32.2	35.0	37.5	...	...	...	...	13.49.37.53		37.20	13.79	36.59		.....
	43	η Boötis.....	SE	...	...	...	...	...	...	45.2	47.9	50.5	53.1	13.49.37.62		37.29	13.79	36.50		.....
	44	τ Virginis.....	SE	2.0	4.4	6.7	12.0	14.4	16.8	...	...	...	...	13.56.16.87		16.64	53.09	36.45		.....
	45	τ Virginis.....	SE	...	...	...	...	...	...	26.5	29.0	31.5	34.0	13.56.16.81		16.58	53.09	36.51		.....
	46	Arcturus.....	SE	31.8	34.5	37.0	42.2	44.8	47.4	...	...	...	...	14.10.47.56		47.23	23.74	36.51		.....
	47	Arcturus.....	SE	...	...	...	...	...	...	55.2	58.0	0.6	3.2	14.10.47.64		47.31	23.74	36.43		.....
	48	Groombridge 2283.....	SE	21.6	31.3	41.7	58.7	5.3	10.0	25.8	31.7	46.6	52.5	15.7.7.76		57.44	34.01	36.57		.....
	49	α Coronæ.....	SE	51.1	54.2	56.8	2.2	5.0	8.0	16.0	18.8	21.5	24.2	15.30.7.91		7.52	44.15	36.63		.....

Corrections to the times by Hardy for reduction to Sideral Standard, applied to form Concluded Transit, Nos. 9, and 15, - 109^s.27: and - 109^s.31.
Corrections for passage of Semidiameter, Nos. 11, 20, 28, and 34, - 73^s.89: + 0^s.47: - 71^s.01: and + 0^s.48.

6. Faint; cloudy.

7. Observed over wire U with the transit-micrometer set to readings 34^r.918, 35^r.057, 35^r.323, 35^r.446, 35^r.561, 35^r.704, 35^r.803, 35^r.967, 36^r.136, 36^r.225.

10. Reduction to D's centre at time of transit of Crater - 11^s.02. A further correction of - 0^s.54 has been applied to reduce to time of transit of D's centre on true meridian.

12. Very diffused.

16. Observed over wire S with the transit-micrometer set to readings 35^r.842, 35^r.744, 35^r.651, 35^r.555, 35^r.494, 35^r.413, 35^r.326, 35^r.191, 35^r.120, 35^r.034.

23. Observed over wire Q with the transit-micrometer set to readings 35^r.839, 35^r.979, 36^r.020, 36^r.160, 36^r.330, 36^r.442, 36^r.800, 37^r.006, 37^r.072, 37^r.161.

27. Reduction to D's centre at time of transit of Crater - 14^s.10. A further correction of - 0^s.64 has been applied to reduce to time of transit of D's centre on true meridian.

30, 31. Unsteady and diffused.

32, 33. Limbs very unsteady.

39. Observed over wire T with the transit-micrometer set to readings 37^r.841, 37^r.779, 37^r.681, 37^r.442, 37^r.383, 37^r.336, 37^r.089, 37^r.041, 37^r.004, 36^r.932.

48. Observed over wire V with the transit-micrometer set to readings 36^r.388, 36^r.541, 36^r.699, 36^r.978, 37^r.121, 37^r.215, 37^r.459, 37^r.542, 37^r.785, 37^r.876.

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MONTH and DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at oh Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	(Azimuth).					
				s	s	s	s	s	s	s	s	s	s								
June 12	1	ε Virginis.....r	JS	39.3	41.7	44.3	49.4	51.8	54.4	...	...	...	...	12. 56. 54.44	- 1.74		54.13	30.88	36.75	36.46	.....
	2	ε Virginis.....l	JS	...	...	...	...	...	1.8	4.3	6.8	9.4	12. 56. 54.42	(- 5.11)		54.11	30.88	36.77	[+ 0.46]	.....	
	3	ε Virginis ... ..(E&E)	JS	1.2	16.4	...	...	...	16.4	31.4	...	...	...	12. 56. 53.94	[+ 1.61]		53.63	30.88	37.25	.....	.....
	4	θ Virginis.....l	JS	14.7	17.1	19.6	...	27.2	29.7	...	...	...	...	13. 4. 29.68			29.46	6.10	36.64	.....	.....
	5	θ Virginis.....r	JS	...	...	...	...	...	...	37.0	39.3	41.8	44.3	13. 4. 29.62			29.40	6.10	36.70	.....	.....
	6	Spica.....HA	23.9	26.2	28.8	33.9	36.3	38.9	46.2	48.9	51.3	53.9	13. 19. 38.94			38.75	15.71	36.96	36.59	.....	
	7	Polaris S.P.	HA	1.8	9.3	20.7	27.0	31.5	36.2	41.5	46.7	52.5	58.2	13. 24. 4.19			25.52	1.91	36.39	.....	.....
	8	ζ Virginis.....HA	4.0	6.6	8.9	13.9	16.2	18.8	26.0	28.5	31.0	33.5	13. 29. 18.85			18.60	55.42	36.82	.....	.....	
	9	94 Virginis.....d	HA	29.0	31.2	33.9	38.8	41.3	43.8	...	...	...	...	14. 0. 43.89			43.68	20.55	36.87	.....	.....
	10	94 Virginis.....r	HA	...	...	...	...	...	...	51.3	53.7	56.1	58.7	14. 0. 43.89			43.68	20.55	36.87	.....	.....
	11	κ Virginis.....r	HA	2.5	5.0	7.4	12.8	15.2	17.8	...	...	...	...	14. 7. 17.70			17.50	54.35	36.85	.....	.....
	12	κ Virginis.....d	HA	...	...	...	...	...	...	25.0	27.5	29.9	32.5	14. 7. 17.63			17.43	54.35	36.92	.....	.....
	13	ρ Boötis.....HA	54.5	57.2	0.0	6.0	8.8	11.8	20.0	23.0	25.9	29.0	14. 27. 11.75			11.29	48.15	36.86	.....	.....	
	14	ε ² Boötis.....HA	1.3	3.8	6.7	12.4	15.0	18.0	26.0	28.8	31.5	34.5	14. 40. 17.93			17.50	54.39	36.89	.....	.....	
	15	ι ¹ Libræ.....HA	1.1	3.8	6.3	11.8	14.3	17.0	24.7	27.2	29.9	32.3	15. 6. 16.96			16.82	53.58	36.76	.....	.....	
	16	Groombridge 2283.....HA	4.9	21.7	27.4	40.9	46.0	56.8	8.0	23.2	29.9	42.0	15. 7. 8.04			57.18	33.73	36.55	.....	.....	
	17	ζ ¹ Libræ.....HA	6.8	9.3	12.0	17.2	19.9	22.6	30.0	32.7	35.2	37.7	15. 22. 22.46			22.30	59.13	36.83	.....	.....	
June 16	18	⊙ 1 L.....E	E	...	...	...	...	...	57.0	59.9	2.8	5.3	5. 33. 49.33							.....	
	19	⊙ 2 L.....E	E	50.9	53.6	56.4	1.7	4.5	7.5	...	...	...	...	5. 36. 7.25							.....
June 17	20	⊙ 1 L.....WB	WB	42.5	45.1	47.8	53.3	55.9	58.8	6.7	9.4	12.0	14.7	5. 37. 58.74							.....
	21	⊙ 2 L.....WB	WB	0.2	2.9	5.5	11.1	13.7	16.5	24.3	27.0	29.6	32.5	5. 40. 16.45							.....
June 18	22	⊙ 1 L.....SE	SE	51.5	54.3	57.1	2.6	5.3	7.9	15.5	18.4	21.1	23.9	5. 42. 7.88	- 1.71	16.45				39.38	5. 43. 55.94
	23	⊙ 2 L.....SE	SE	9.4	12.0	14.5	19.8	22.7	25.7	33.6	36.5	39.0	41.5	5. 44. 25.59	(- 3.89)					[+ 0.45]	.....
	24	Mercury 1 L.....SE	SE	14.9	...	20.2	25.7	28.6	31.2	39.3	41.9	...	47.4	6. 33. 31.27	[+ 2.27]				30.97		6. 34. 10.67
	25	ε Virginis.....r	JS	36.5	39.0	41.6	46.7	49.2	51.6	...	...	...	...	12. 56. 51.73	(- 4.64)			51.43	30.82	39.39	39.09
	26	ε Virginis.....l	JS	...	...	...	...	...	...	59.2	1.7	4.2	6.7	12. 56. 51.79	[+ 1.34]		51.49	30.82	39.33		.....
	27	Polaris S.P.	JS	8.5	14.1	18.1	30.9	35.3	39.2	50.9	56.7	1.3	10.7	13. 24. 8.59			28.12	7.62	39.50		.....
	28	η Boötis.....SE	SE	18.8	21.2	23.9	29.2	31.8	34.3	41.9	44.8	47.3	50.0	13. 49. 34.44			34.09	13.74	39.65	39.38	13. 50. 13.73
	29	Arcturus.....SE	SE	28.4	31.1	33.6	39.1	41.6	44.2	52.1	54.8	57.4	59.7	14. 10. 44.32			43.97	23.69	39.72		14. 11. 23.62
	30	ε ² Boötis.....d	SE	58.3	1.1	3.7	9.3	12.2	15.2	...	...	...	...	14. 40. 15.06			14.66	54.35	39.69		14. 40. 54.32
	31	ε ² Boötis.....r	SE	...	...	...	...	...	...	23.3	26.2	28.9	31.5	14. 40. 15.15			14.75	54.35	39.60		14. 40. 54.41
	32	ψ Boötis.....r	SE	30.6	33.3	36.0	41.7	44.3	47.3	...	...	...	...	14. 59. 47.29			46.89	26.58	39.69		15. 0. 26.55
	33	ψ Boötis.....d	SE	...	...	...	...	...	...	55.6	58.3	1.0	3.8	14. 59. 47.36			46.96	26.58	39.62		15. 0. 26.62
	34	ι ¹ Libræ.....SE	SE	58.3	0.8	3.4	8.8	11.3	14.0	21.8	24.5	27.1	29.3	15. 6. 14.05			13.92	53.56	39.64		15. 6. 53.58
	35	Groombridge 2283.....SE	SE	22.5	29.1	37.7	57.6	5.3	11.8	33.8	39.2	47.0	54.8	15. 7. 3.46			53.53	31.69	38.16		.....
	36	o ² Libræ.....SE	SE	54.3	56.7	59.2	4.3	7.2	9.6	17.0	19.5	22.2	24.7	15. 17. 9.58			9.42	48.99	39.57		15. 17. 49.09
	37	λ Ophiuchi.....SE	SE	17.8	20.4	22.7	27.6	30.2	32.6	39.9	42.7	45.0	47.3	16. 25. 32.73			32.49	12.19	39.70		16. 26. 12.18
	38	θ Ophiuchi.....SE	SE	20.4	23.1	25.6	31.3	34.1	36.7	44.8	47.6	50.5	53.1	17. 15. 36.84			36.74	16.44	39.70		17. 16. 16.44
	39	σ Ophiuchi.....SE	SE	58.7	1.2	3.4	8.6	11.0	13.5	20.8	23.3	25.8	28.3	17. 21. 13.57			13.32	52.99	39.67		17. 21. 53.03
	40	δ Ursæ Minoris.....SE	SE	8.6	14.8	29.1	35.6	48.6	57.4	3.7	20.5	26.3	37.3	18. 2. 22.12			15.14	55.30	40.16		.....
	41	Uranus.....SE	SE	15.1	17.4	20.1	25.6	28.2	30.8	38.9	41.6	44.2	47.0	18. 29. 31.01			30.90				18. 30. 10.63
	42	α Vulpeculæ.....SE	SE	53.7	56.6	59.2	5.0	7.4	10.2	18.1	20.8	23.5	26.3	19. 24. 10.20			9.83	49.61	39.78		19. 24. 49.57
	43	γ Aquilæ.....SE	SE	54.7	57.2	59.6	4.9	7.3	9.8	17.2	19.6	22.3	24.7	19. 41. 9.84			9.55	49.32	39.77		19. 41. 49.30
	44	α Aquilæ.....SE	SE	19.2	21.5	24.0	29.3	31.6	34.3	41.4	44.3	46.6	48.9	19. 45. 34.22			33.94	13.69	39.75		19. 46. 13.69
	45	β Aquilæ.....SE	SE	49.1	51.6	54.0	59.2	1.5	4.1	11.3	13.8	16.4	19.0	19. 50. 4.11			3.85	43.59	39.74		19. 50. 43.60
June 19	46	ρ Boötis.....E	E	51.3	54.2	57.1	3.0	6.0	8.7	17.1	20.0	23.0	25.8	14. 27. 8.75	- 4.52		8.03	48.09	40.06	39.85	.....
	47	ε ² Boötis.....E	E	58.0	0.8	3.6	9.2	12.0	15.0	23.0	25.9	28.7	31.4	14. 40. 14.89	(- 5.31)		14.22	54.34	40.12	[+ 0.43]	.....
	48	ψ Boötis.....E	E	30.2	33.0	35.8	41.7	44.3	47.2	55.3	58.1	0.8	3.6	14. 59. 47.13	[+ 1.30]		46.46	26.58	40.12		.....
	49	Groombridge 2283.....E	E	15.3	23.2	28.3	51.7	57.3	12.0	17.3	23.0	43.0	49.2	15. 7. 7.11			51.86	31.28	39.42		.....
	50	γ Serpentis.....E	E	13.3	15.9	18.3	23.7	26.3	28.9	36.3	39.0	41.4	44.1	15. 51. 28.84			28.27	8.39	40.12		.....

Correction to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, No. 3, - 112.49.
Correction for passage of Semidiameter, No. 24, + 0.20.

7. Observed over wire T with the transit-micrometer set to readings 36°03.4, 35°97.5, 35°87.8, 35°80.8, 35°77.9, 35°72.8, 35°69.4, 35°62.9, 35°59.7, 35°55.3.
16. Observed over wire W with the transit-micrometer set to readings 36°11.1, 36°40.5, 36°50.5, 36°71.0, 36°82.0, 36°97.0, 37°19.3, 37°42.9, 37°54.5, 37°74.5.
18, 19, 20, 21. Kept for diameter only. No determination of the clock error having been made within 24 hrs of the observation.
27. Observed over wire X with the transit-micrometer set to readings 37°71.8, 37°65.9, 37°61.5, 37°52.3, 37°47.3, 37°44.1, 37°34.2, 37°26.5, 37°18.7.
35. Observed over wire V with the transit-micrometer set to readings 36°43.6, 36°58.5, 36°72.2, 37°05.0, 37°15.5, 37°28.6, 37°65.0, 37°75.8, 37°90.5, 38°00.6.
40. Observed over wire R with the transit-micrometer set to readings 36°24.5, 36°38.1, 36°78.8, 36°99.2, 37°19.9, 37°40.8, 37°56.6, 37°95.1, 38°10.1, 38°36.9.
49. Observed over wire U with the transit-micrometer set to readings 35°28.2, 35°32.9, 35°45.5, 35°88.0, 36°00.4, 36°22.5, 36°31.5, 36°40.7, 36°73.9, 36°82.9.
June 19^d 3^d. Eye-tube rotated 90° for the purpose of examining the transit-micrometer screw. Rotated back at 19^d 5^h.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH AND DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s	h m s	"	s	s	s	s	h m s
June 19	1	γ Herculis	d E	52.8	55.3	58.1	3.3	6.0	8.5	...	...	...	...	16.17. 8.59	- 4.52	8.00	48.20	40.20	39.85	.....
	2	γ Herculis	r E	...	...	...	...	...	...	16.3	19.1	21.7	24.3	16.17. 8.76	(- 5.31)	8.17	48.20	40.03	[+ 0.43]	.....
	3	Antares	r E	44.5	47.2	49.8	55.6	58.3	1.1	...	...	...	...	16.23. 1.08	+ 1.30	0.74	40.79	40.05	.....	.....
	4	Antares	d E	...	...	...	...	...	...	9.1	11.9	14.6	17.3	16.23. 1.03	...	0.69	40.79	40.10	.....	.....
	5	β Ophiuchi	R. E	56.7	59.2	1.4	6.6	9.0	11.6	18.8	21.3	23.8	26.3	17.38. 11.58	...	11.57	51.70	40.13	.....	.....
	6	89 Herculis	R. E	42.8	45.5	48.2	54.0	56.7	59.4	7.5	10.4	13.0	15.8	17.50. 59.46	...	59.51	39.67	40.16	.....	.....
	7	δ Ursæ Minoris	E	33.8	40.7	47.3	11.1	16.7	34.8	39.9	47.2	7.3	13.3	18.2. 25.87	...	15.00	55.25	40.25	.....	.....
	8	η Serpentis	E	34.2	36.6	39.0	44.1	46.6	49.0	56.3	58.8	1.2	3.6	18.15. 49.05	...	48.61	28.76	40.15	.....	.....
	9	η Serpentis	(E&E) E	3.3	18.0	32.8	47.7	2.2	17.0	32.1	...	...	...	18.15. 49.05	...	48.61	28.76	40.15	.....	.....
	10	λ Ursæ Minoris	E	37.2	43.7	50.8	15.0	20.8	34.0	40.7	55.2	1.2	8.0	19.16. 40.05	...	3.71	45.27	41.56	.....	.....
	11	α Vulpeculæ	E	53.7	56.2	59.0	4.7	7.3	10.0	18.0	20.7	23.4	26.0	19.24. 10.02	...	9.39	49.63	40.24	.....	.....
	12	μ Aquilæ	E	37.0	39.4	42.0	47.1	49.5	52.0	59.3	1.8	4.5	6.8	19.28. 52.05	...	51.54	31.76	40.22	.....	.....
June 20	13	⊙ 1 L	JS	10.6	13.3	16.1	21.6	24.1	27.1	34.9	37.7	40.2	43.2	5.50. 27.00	(- 5.70)	...	...	...	39.92	5.52. 15.26
	14	⊙ 2 L	JS	28.3	31.2	33.7	39.3	42.1	44.8	52.6	55.4	58.1	0.7	5.52. 44.74	[+ 1.94]	35.25	...	...	[+ 0.37]	.....
	15	ε Virginis	JS	36.0	38.6	41.1	46.2	48.7	51.3	58.6	1.3	3.7	6.4	12.56. 51.30	(- 6.59)	50.70	30.80	40.10	.....	.....
	16	ε Virginis	(E&E) JS	4.7	19.8	34.8	50.1	5.0	19.9	35.4	...	...	...	12.56. 50.94	[+ 0.82]	50.34	30.80	40.46	.....	.....
	17	θ Virginis	JS	11.4	13.9	16.2	21.5	23.7	26.5	33.6	36.1	38.7	41.2	13.4. 26.39	...	25.89	6.03	40.14	.....	.....
	18	θ Virginis	(E&E) JS	40.6	55.5	10.3	25.4	39.9	54.6	9.8	...	...	...	13.4. 26.15	...	25.65	6.03	40.38	.....	.....
	19	Spica	d JS	20.7	23.3	25.7	31.0	33.5	36.0	...	...	...	...	13.19. 35.98	...	35.52	15.65	40.13	.....	.....
	20	Spica	r JS	...	...	...	...	...	...	43.3	45.7	48.4	50.8	13.19. 35.92	...	35.46	15.65	40.19	.....	.....
	21	Polaris S.P.	JS	33.7	39.3	43.7	47.7	54.2	59.1	4.1	8.7	13.0	18.0	13.23. 57.42	...	29.63	9.73	40.10	.....	.....
	22	ζ Virginis	r JS	0.8	3.3	5.7	10.8	13.2	15.6	...	...	...	...	13.29. 15.71	...	15.18	55.36	40.18	.....	.....
	23	ζ Virginis	d JS	...	...	...	...	...	...	23.0	25.5	27.8	30.3	13.29. 15.72	...	15.19	55.36	40.17	.....	.....
	24	τ Boötis	B	53.5	55.9	58.6	3.8	6.4	9.2	16.6	19.2	22.0	24.5	13.42. 9.09	...	8.42	48.86	40.44	40.24	.....
June 21	25	η Boötis	B	18.1	20.8	23.4	28.7	31.3	33.9	41.6	44.3	46.9	49.3	13.49. 33.95	...	33.27	13.72	40.45	.....	.....
	26	ε ² Boötis	HA	57.9	0.7	3.4	9.1	12.0	14.8	22.8	25.6	28.5	31.3	14.40. 14.74	...	13.98	54.33	40.35	40.09	.....
	27	α Libræ	HA	47.1	49.4	52.0	57.2	59.8	2.5	9.9	12.8	15.2	17.7	14.45. 2.48	...	2.03	42.32	40.29	.....	.....
	28	ε ² Libræ	HA	46.6	49.2	51.7	56.7	59.3	1.8	9.2	11.7	14.3	16.8	14.51. 1.84	...	1.37	41.69	40.32	.....	.....
	29	α ¹ Libræ	JS	57.9	0.7	3.3	8.6	11.1	13.7	21.5	24.2	26.7	29.5	15.6. 13.84	...	13.42	53.56	40.14	39.92	.....
	30	⊙ 1 L	RC	18.9	21.5	24.1	29.8	32.3	35.2	43.0	45.7	48.6	51.2	5.54. 36.23	(- 7.25)	...	...	...	40.29	5.56. 24.73
	31	⊙ 2 L	RC	36.5	39.3	41.9	47.4	50.1	52.8	0.7	3.3	6.1	8.9	5.56. 53.90	[+ 1.72]	44.35	...	...	...	.....
	32	⊙ 1 L	JS	29.5	32.1	34.8	40.5	43.0	45.8	53.7	56.6	59.0	1.7	5.58. 45.79	(- 7.75)	...	...	...	40.69	6.0. 34.66
	33	⊙ 2 L	JS	47.1	49.8	52.7	57.8	0.7	3.4	11.4	13.9	16.7	19.3	6.1. 3.40	[+ 2.63]	53.87	...	...	[+ 0.40]	.....
	34	Polaris S.P.	JS	51.0	56.0	0.5	13.7	17.7	22.4	37.8	41.8	46.8	55.6	13.23. 51.13	...	29.80	11.83	42.03	.....	.....
	35	η Boötis	d JS	17.7	20.3	22.9	28.1	30.8	33.5	...	...	...	...	13.49. 33.45	...	32.77	13.70	40.93	.....	.....
June 22	36	η Boötis	r JS	...	...	...	...	...	...	41.2	43.7	46.3	48.8	13.49. 33.45	...	32.77	13.70	40.93	.....	.....
	37	Arcturus	r JS	27.4	30.1	32.7	38.0	40.7	43.3	...	...	...	...	14.10. 43.31	...	42.62	23.65	41.03	.....	.....
	38	Arcturus	d JS	...	...	...	...	...	...	51.1	53.7	56.3	59.0	14.10. 43.41	...	42.72	23.65	40.93	.....	.....
	39	ε ² Boötis	HA	57.2	59.8	2.7	8.4	11.2	13.9	22.0	25.0	27.7	30.5	14.40. 13.97	...	13.18	54.31	41.13	40.84	.....
	40	α Libræ	HA	46.1	48.7	51.2	56.6	59.0	1.7	9.2	11.7	14.2	16.7	14.45. 1.63	...	1.26	42.31	41.05	.....	.....
	41	α ¹ Libræ	PM	56.8	59.4	2.1	7.6	10.1	12.7	20.3	23.1	25.6	28.3	15.6. 12.72	...	12.38	53.55	41.17	40.94	.....
	42	Groombridge 2283	JS	49.5	54.8	58.9	3.2	9.0	15.2	21.8	26.8	32.6	38.2	15.7. 8.82	...	49.20	29.99	40.79	40.69	.....
	43	β Libræ	PM	2.6	5.2	7.5	12.8	15.3	17.7	25.2	27.7	30.2	32.7	15.11. 17.80	...	17.39	58.59	41.20	40.94	.....
	44	ζ ¹ Libræ	JS	3.0	5.6	8.1	13.4	15.9	18.7	26.1	28.7	31.3	33.9	15.22. 18.59	...	18.22	59.11	40.89	40.69	.....
	45	ζ ¹ Libræ	(E&E) JS	32.4	47.7	...	18.5	...	48.6	4.2	...	...	...	15.22. 18.09	...	17.72	59.11	41.39	.....	.....
	46	ε Serpentis	JS	14.1	16.7	19.2	24.0	26.6	29.3	36.3	39.0	41.3	43.7	15.45. 29.13	...	28.59	9.54	40.95	.....	.....
	47	ε Serpentis	(E&E) JS	...	59.5	14.4	29.3	43.8	58.8	...	...	...	...	15.45. 29.00	...	28.46	9.54	41.08	.....	.....
June 23	48	α Ophiuchi	JS	40.5	43.1	45.6	50.8	53.3	55.8	3.3	5.9	...	...	17.29. 55.86	...	55.25	36.24	40.99	.....	.....
	49	ο Serpentis	R. JS	13.7	16.3	18.7	23.9	26.4	28.8	36.2	38.8	41.4	43.9	17.35. 28.92	...	29.01	...	...	17.36. 9.99	.....
	50	γ Ophiuchi	R. JS	...	19.3	21.6	26.7	29.2	31.6	38.9	41.4	43.7	...	17.42. 31.66	...	31.82	...	...	17.43. 12.81	.....
	51	89 Herculis	JS	42.8	45.6	48.2	53.9	56.7	59.4	7.6	10.3	13.0	15.7	17.50. 59.45	...	58.67	39.69	41.02	.....	.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 9, 16, 18, 45, and 47, -118^m62 : -119^m10 : -119^m10 : -120^m26 : and -120^m26.

- 3, 4. Diffused. 7. Observed over wire Q with the transit-micrometer set to readings 35^r965, 36^r110, 36^r285, 36^r858, 39^r968, 37^r420, 37^r517, 37^r708, 38^r200, 38^r334.
 10. Observed over wire T with the transit-micrometer set to readings 35^r558, 35^r586, 35^r648, 35^r827, 35^r879, 35^r962, 36^r000, 36^r119, 36^r148, 36^r182.
 21. Observed over wire T with the transit-micrometer set to readings 36^r722, 36^r685, 36^r625, 36^r594, 36^r532, 36^r497, 36^r441, 36^r404, 36^r380, 36^r322.
 30, 31. Reading of transit-micrometer 35^r600. Reduced to normal reading in forming the concluded transit.
 34. Observed over wire Q with the transit-micrometer set to readings 36^r523, 36^r454, 36^r412, 36^r302, 36^r267, 36^r246, 36^r118, 36^r083, 36^r036, 35^r977.
 42. Observed over wire U with the transit-micrometer set to readings 34^r771, 34^r871, 34^r952, 35^r026, 35^r117, 35^r203, 35^r351, 35^r423, 35^r522, 35^r613. 50. Diffused.

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MONTH AND DATE	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.		
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.									
				s	s	s	s	s	s	s	s	s	s									
												h	m	s		s	s	s	s	h	m	s
June 22	1	δ Ursæ Minoris	JS	25.7	32.8	39.2	55.6	1.7	7.3	21.3	27.0	31.4	42.2	18. 2. 27.54	- 4.52	13.57	55.02	41.45	40.69			
	2	Cephei 51 S.P.	JS	48.1	53.2	59.0	3.2	7.6	13.6	19.4	24.7	29.1	33.3	18. 55. 21.55	(- 7.75)	37.99	18.92	40.93	[+ 0.40]			
	3	ψ Sagittarii	JS	51.6	54.4	57.1	2.7	5.5	8.1	16.3	19.0	21.6	24.3	19. 9. 8.19	[+ 2.63]	7.91	48.87	40.96				
	4	e ¹ Sagittarii	JS	...	28.7	31.4	36.6	39.1	41.6	49.2	51.9	54.5	...	19. 34. 41.75		41.39	22.36	40.97				
	5	γ Aquilæ	JS	53.7	56.3	58.7	3.9	6.4	9.0	16.3	18.8	21.3	23.7	19. 41. 8.92		8.34	49.39	41.05				
June 23	6	⊙ 1 L	HA	38.6	...	43.7	49.3	52.1	54.6	2.6	5.4	...	10.7	6. 2. 54.74		2.94	41.09	41.99	6. 4. 44.13	8. 24. 55.90		
	7	⊙ 2 L	HA	...	...	...	7.2	9.8	12.6	20.4	23.3	25.8	28.7	6. 5. 12.60								
	8	Venus 1 L	HA	58.6	1.2	3.8	9.4	12.1	14.8	...	25.2	27.6	30.3	8. 24. 14.66	- 1.45						14.18	
June 25	9	Polaris S.P.	JS	41.5	45.5	49.6	2.6	6.4	10.3	24.5	28.8	32.7	37.0	13. 24. 6.01	- 1.45	32.59	14.70	42.11	[+ 0.35]			
	10	ψ Boötis	SE	27.7	30.5	33.2	39.1	41.6	44.6	52.5	55.6	58.2	1.0	14. 59. 44.53	(- 6.64)	44.05	26.52	42.47	42.25			
	11	κ Ophiuchi	SE	17.9	20.1	22.7	27.8	30.3	33.0	40.2	42.6	45.3	47.6	16. 52. 32.86	[+ 2.81]	32.55	15.04	42.49				
	12	η Ophiuchi	JS	3.7	6.3	8.8	14.1	16.7	19.3	...	...	...	17. 4. 19.24		19.14	1.35	42.21	41.99				
	13	η Ophiuchi	JS	...	...	...	...	...	26.7	29.4	31.9	34.4	17. 4. 19.25		19.15	1.35	42.20					
	14	α ¹ Herculis	JS	26.5	28.9	31.4	36.6	39.3	41.6	...	...	...	17. 9. 41.77		41.41	23.62	42.21					
	15	α ¹ Herculis	JS	...	...	...	...	...	49.2	51.8	54.2	56.9	17. 9. 41.73		41.37	23.62	42.25					
	16	σ Ophiuchi	SE	56.0	58.4	0.5	5.9	8.3	10.6	18.0	20.6	23.0	25.5	17. 21. 10.79		10.53	53.04	42.51	42.25			
June 26	17	⊙ 1 L	SD	5.6	8.1	10.9	16.4	19.0	21.6	29.5	32.6	35.3	37.8	6. 15. 21.80	[+ 2.26]	30.27	42.62	42.60	6. 17. 12.98	4. 30. 31.22		
	18	⊙ 2 L	SD	23.3	25.7	28.7	34.2	37.0	39.6	47.6	50.3	53.0	55.7	6. 17. 39.63								
	19	ρ Boötis	SD	48.3	51.3	54.0	59.9	2.8	5.7	14.1	17.1	20.0	22.8	14. 27. 5.73								
	20	e ² Boötis	SD	...	...	...	6.4	9.2	12.0	20.0	23.0	25.7	28.5	14. 40. 11.99								
	21	α Libræ	SD	44.1	46.8	49.3	54.3	57.0	59.6	7.2	9.6	12.3	14.9	14. 44. 59.63								
	22	ψ Boötis	SD	...	...	...	...	...	52.3	55.1	57.9	0.7	14. 59. 44.19									
	23	Groombridge 2283	SD	57.3	2.6	6.5	10.9	25.3	30.7	37.0	52.1	56.8	2.2	15. 6. 59.14								
	24	ε Serpentis	B	12.1	14.3	17.0	22.0	24.6	27.2	34.3	36.8	39.2	41.6	15. 45. 27.02								
	25	γ Serpentis	B	10.4	12.8	15.4	20.9	23.2	25.8	33.4	36.1	38.7	41.1	15. 51. 25.90								
	26	α ¹ Herculis	SD	25.6	28.2	30.7	36.0	38.7	41.2	48.6	51.2	53.6	56.3	17. 9. 41.12								
	27	δ Ursæ Minoris	SD	17.6	23.6	28.2	33.1	49.7	53.6	58.3	10.6	15.3	22.5	18. 2. 20.64								
	28	72 Ophiuchi	SD	57.9	0.4	2.8	8.1	10.6	13.2	20.2	23.0	25.4	28.0	18. 2. 13.07								
	29	μ Sagittarii	SD	12.2	14.7	17.3	22.7	25.3	28.2	35.6	38.3	41.1	43.6	18. 7. 28.02								
	30	ε Aquilæ	SD	25.5	27.9	30.5	35.6	38.3	40.8	48.4	51.0	53.6	56.0	18. 54. 40.87								
	31	Cephei 51 S.P.	SD	4.4	10.4	15.0	21.2	45.4	50.6	55.0	7.8	11.1	14.6	18. 55. 25.29								
	32	ζ Aquilæ	SD	9.6	12.1	14.6	19.7	22.4	24.9	32.3	34.9	37.6	39.8	19. 0. 24.90								
	33	ζ Aquilæ	SD	42.5	57.6	12.8	27.7	42.9	58.1	13.4	...	...	...	19. 0. 24.82								
	34	ω Aquilæ	SD	28.6	31.1	33.6	38.7	41.3	43.7	51.2	53.6	56.2	58.7	19. 12. 43.78								
	35	λ Ursæ Minoris	SD	46.7	51.4	54.3	57.6	1.0	4.3	7.0	9.7	12.5	15.7	19. 16. 33.45								
	36	δ Aquilæ	SD	49.8	52.5	54.9	59.9	2.4	4.9	12.1	14.6	17.0	19.5	19. 20. 4.87								
	37	δ Aquilæ	SD	23.6	38.4	53.0	7.8	22.2	37.4	52.5	...	...	...	19. 20. 4.80								
	38	μ Aquilæ	SD	34.3	36.7	39.1	44.3	46.7	49.3	...	...	...	...	19. 28. 49.27								
	39	μ Aquilæ	SD	...	...	...	...	...	56.6	59.2	1.7	4.1	19. 28. 49.38									
	40	γ Aquilæ	SD	51.6	54.3	56.7	1.8	4.3	7.1	...	...	...	...	19. 41. 6.90								
	41	γ Aquilæ	SD	...	...	...	...	...	14.2	16.8	19.4	21.9	19. 41. 6.96									
	42	Aldebaran	JS	...	...	...	...	43.7	46.3	48.9	19.6	35.2	4. 29. 48.94									
June 27	43	⊙ 1 L	JS	15.0	17.5	20.2	25.7	28.4	31.3	39.0	41.7	44.5	47.2	6. 19. 31.17		39.48	42.74	42.80	42.87	13. 5. 5.96		
	44	⊙ 2 L	JS	32.3	35.1	37.7	43.4	45.9	48.6	56.6	59.5	1.9	4.7	6. 21. 48.69								
	45	δ Virginis	JS	...	...	...	...	8.0	10.4	17.7	20.3	22.6	25.3	12. 50. 10.50	(- 7.22)							
	46	ε Virginis	JS	33.1	35.6	38.0	43.2	45.7	48.3	...	...	...	...	12. 56. 48.27	[+ 2.86]							
	47	ε Virginis	JS	...	...	...	...	...	55.6	58.1	0.6	3.1	12. 56. 48.20									
	48	θ Virginis	JS	8.4	10.9	13.3	18.4	20.8	23.4	30.6	33.2	35.5	38.0	13. 4. 23.36								
	49	Spica	JS	17.7	20.3	22.6	27.7	30.3	32.8	...	...	...	...	13. 19. 32.84								
	50	Spica	JS	...	...	...	...	...	40.2	42.9	45.3	47.7	13. 19. 32.90									

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 33, and 37, - 123^s.12: and - 123^s.12.Correction for passage of Semidiameter, No. 8, + 0^s.49.

- Observed over wire T with the transit-micrometer set to readings 34^s.512, 34^s.681, 34^s.827, 35^s.243, 35^s.367, 35^s.524, 35^s.848, 36^s.008, 36^s.100, 36^s.359.
- Observed over wire R with the transit-micrometer set to readings 36^s.313, 36^s.198, 36^s.076, 36^s.010, 35^s.909, 35^s.796, 35^s.682, 35^s.575, 35^s.463, 35^s.408.
- June 23^d 0^h 30^m. Clamping collar of eye-tube tightened up.
- Very unsteady; invisible at times.
- Observed over wire T with the transit-micrometer set to readings 36^s.206, 36^s.174, 36^s.136, 36^s.041, 35^s.959, 35^s.838, 35^s.804, 35^s.772, 35^s.738.
- Observed over wire V with the transit-micrometer set to readings 35^s.077, 35^s.170, 35^s.230, 35^s.308, 35^s.552, 35^s.642, 35^s.749, 36^s.008, 36^s.083, 36^s.170.
- Observed over wire V with the transit-micrometer set to readings 34^s.870, 34^s.980, 35^s.100, 35^s.220, 35^s.608, 35^s.717, 35^s.840, 36^s.099, 36^s.223, 36^s.411.
- Observed over wire R with the transit-micrometer set to readings 37^s.245, 37^s.140, 37^s.033, 36^s.910, 36^s.432, 36^s.311, 36^s.240, 35^s.980, 35^s.910, 35^s.843.
- Observed over wire T with the transit-micrometer set to readings 35^s.248, 35^s.277, 35^s.290, 35^s.328, 35^s.346, 35^s.370, 35^s.390, 35^s.412, 35^s.423, 35^s.450.
- Observed over wire R, S, T, Y, and Z.

20. Diffused.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GOAMN.66

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation.	(Level).					
				s	s	s	s	s	s	s	s	s	s		[Azimuth].	"					
June 27	1	Polaris S.P.	JS	6.5	11.4	16.7	29.4	33.3	37.2	46.4	50.4	55.0	4.9	13.24.56.00	(- 1.45 - 7.22)	33.73	16.49	42.76	[+ 0.39]	.....	
	2	τ Virginis	HA	55.5	57.8	0.2	5.6	7.9	10.1	17.6	19.9	22.4	25.0	13.56.10.31	[+ 2.86]	10.04	52.98	42.94	42.70	.....	
	3	Arcturus	HA	25.4	27.8	30.4	35.8	38.4	41.2	48.7	51.5	54.0	56.7	14.10.41.11		40.68	23.60	42.92		.....	
	4	α Libræ	JS	54.9	57.6	0.1	5.6	8.1	10.8	18.5	21.2	23.6	26.3	15.6.10.79		10.71	53.53	42.82	42.60	15. 6.53.56	
	5	Groombridge 2283	JS	18.0	25.8	29.9	35.9	41.7	46.3	51.2	55.5	0.7	8.8	15.6.59.54		45.26	28.03	42.77		.....	
	6	γ Herculis	JS	50.0	52.5	55.3	0.4	3.2	5.9	13.3	16.1	18.7	21.4	16.17.5.80		5.38	48.19	42.81		16. 17.48.24	
	7	γ Herculis.....(E&E)	JS	22.2	37.5	53.5	9.3	24.7	40.2	56.0	...	...	...	16.17.5.40		4.98	48.19	43.21		.....	
	8	Antares	JS	41.4	44.1	46.8	52.4	55.3	57.9	6.0	8.6	11.4	14.2	16.22.57.94		57.92	40.80	42.88		16. 23.40.79	
	9	ε Herculis	JS	43.6	46.6	49.4	...	...	...	...	12.6	15.3	18.1	16.56.9.10		0.54	43.52	42.98		16. 56.43.42	
	10	β Ophiuchi	JS	54.3	56.7	59.1	4.1	6.7	9.2	16.4	19.0	21.3	23.7	17.38.9.16		8.87	51.76	42.89		17. 38.51.76	
	11	β Ophiuchi.....(E&E)	JS	...	42.8	57.7	12.5	27.4	42.2	...	...	...	...	17.38.8.70		8.41	51.76	43.35		.....	
	12	μ Herculis	JS	49.5	52.1	55.1	0.7	3.6	6.3	14.6	17.4	20.1	23.0	17.42.6.37		5.84	48.80	42.96		17. 42.48.73	
June 28	13	⊙ 1 L.	E	23.3	26.1	28.5	34.2	36.6	39.7	47.6	50.0	52.7	55.6	6.23.39.55		47.90			[+ 0.34]	6. 25.31.32	
	14	⊙ 2 L.	E	40.8	...	46.1	52.0	54.4	57.3	5.1	7.5	...	13.3	6.25.57.17							7. 54.24.35
	15	Mercury 1 L.	E	25.0	27.6	30.2	35.5	38.4	41.2	49.0	51.8	54.6	57.0	7.53.41.15		40.69				.....	
	16	Regulus	E	23.6	26.1	28.5	33.7	36.1	38.9	46.2	48.8	51.2	53.8	10.2.38.80		38.44	21.94	43.50		.....	
	17	γ ¹ Leonis	E	48.5	...	53.6	...	...	...	4.7	...	14.8	...	20.0	10.14.4.43		4.00	47.43	43.43		
	18	⊙ 1 L.	E	17.9	20.7	23.0	28.2	30.9	33.4	40.7	43.5	46.0	48.6	11.45.33.40		33.11				11. 47.22.34	
June 29	19	⊙ 1 L.	RC	23.4	25.6	28.2	33.5	35.8	38.4	46.1	48.7	51.0	53.6	12.38.38.54	(- 5.70)	38.24			43.70	12. 40.28.41	
	20	Polaris S.P.	RC	0.3	6.3	11.2	15.5	19.8	25.0	29.7	34.2	37.9	43.6	13.24.14.55	[+ 0.67]	34.47	18.40	43.93	[+ 0.31]	.....	
	21	ζ Virginis	RC	56.8	59.3	1.6	6.6	9.0	11.7	18.8	21.4	23.7	26.4	13.29.11.64		11.34	55.28	43.94		.....	
	22	τ Boötis	RC	49.6	52.3	54.7	0.1	2.8	5.6	12.9	15.5	18.1	20.7	13.42.5.35		4.95	48.76	43.81		.....	
June 30	23	⊙ 1 L.	W	40.2	42.8	...	51.0	53.6	56.3	4.5	7.2	9.6	12.4	6.31.56.44	(- 4.53)	4.84			43.99	6. 33.48.92	
	24	⊙ 2 L.	W	...	0.1	2.8	...	...	...	...	46.1	2.4	6.34.13.87	[+ 2.00]				[+ 0.33]	13. 34.53.28		
	25	⊙ 1 L.	W	46.5	49.0	51.6	56.7	59.3	1.7	...	...	...	13.33.1.85		1.70				.....		
	26	f Boötis	HA	6.7	9.3	12.0	17.3	20.0	22.6	30.3	32.9	35.6	38.1	14.21.22.60		22.30	6.25	43.95	43.75	.....	
	27	ρ Boötis	HA	47.0	49.9	52.7	58.6	1.6	4.4	12.6	15.7	18.6	21.5	14.27.4.39		4.01	47.96	43.95		.....	
	28	γ Serpentis	d W	9.0	11.6	14.0	19.2	21.7	24.4	...	...	...	15.51.24.43		24.16	8.35	44.19	43.99	.....		
	29	γ Serpentis	r W	...	...	...	...	...	...	31.9	34.7	37.2	39.7	15.51.24.50		24.23	8.35	44.12		.....	
	30	β ¹ Scorpii	r W	0.3	2.9	5.6	10.8	13.4	16.1	...	...	...	15.59.16.12		16.06	0.24	44.18		.....		
	31	β ¹ Scorpii	d W	...	...	...	...	...	...	23.7	26.4	29.2	31.6	15.59.16.12		16.06	0.24	44.18		.....	
	32	γ Herculis	W	48.6	51.2	53.6	59.1	1.7	4.2	11.9	14.5	17.1	19.6	16.17.4.27		3.97	48.18	44.21		.....	
	33	Antares	W	39.9	42.6	45.4	51.2	53.7	56.6	4.6	7.4	10.1	12.9	16.22.56.57		56.54	40.80	44.26		.....	
July 1	34	⊙ 1 L.	HF	48.6	51.2	53.6	59.2	2.0	4.8	12.4	15.2	17.9	20.7	6.36.4.68		13.11			44.02	6. 37.57.23	
	35	⊙ 2 L.	HF	6.0	8.7	11.3	16.8	19.5	22.2	30.1	32.7	35.4	37.8	6.38.22.17					[+ 0.37]	14. 31.27.52	
	36	⊙ 1 L.	JS	18.8	21.4	23.9	29.3	31.7	34.6	42.0	44.7	47.2	49.7	14.29.34.44		34.32				14. 31.27.41	
	37	Mösting A.	JS	30.6	...	35.6	41.0	43.5	46.2	53.6	56.3	...	1.5	14.30.46.14		46.02				.....	
	38	ε ² Boötis	d JS	53.5	56.2	59.0	4.7	7.4	10.3	...	...	...	...	14.40.10.28		9.92	54.22	44.30		.....	
	39	ε ² Boötis	r JS	...	...	...	...	...	...	18.4	21.2	23.9	26.8	14.40.10.25		9.90	54.22	44.32		.....	
	40	α Libræ	r JS	42.7	45.2	47.6	53.0	55.6	58.1	...	...	...	...	14.44.58.13		58.04	42.25	44.21		.....	
	41	α Libræ	d JS	...	...	...	...	...	...	5.6	8.3	10.7	13.4	14.44.58.14		58.05	42.25	44.20		.....	
	42	Groombridge 2283	JS	2.6	10.1	19.5	36.3	44.0	59.2	9.0	36.5	44.3	52.4	15.6.52.16		42.17	26.37	44.20		.....	
July 2	43	⊙ 1 L.	E	56.2	58.5	1.3	6.7	9.6	12.3	20.3	23.2	25.6	28.4	6.40.12.33	(- 4.67)	20.72			44.69	6. 42.5.51	
	44	⊙ 2 L.	E	13.7	16.1	18.7	24.3	27.1	29.7	37.6	40.4	43.0	45.7	6.42.29.75	[+ 2.41]				[+ 0.38]	9. 8.44.63	
	45	Venus 1 L.	E	43.8	46.4	49.0	54.3	57.0	59.7	7.2	9.8	12.4	15.0	9.7.59.58		59.30				.....	
	46	Regulus	E	22.0	24.5	27.0	32.3	34.7	37.3	44.7	47.3	49.8	52.3	10.2.37.30		37.06	21.92	44.86		.....	
	47	Polaris S.P.	E	6.3	10.8	16.3	37.6	42.0	46.5	1.3	4.7	13.4	17.4	13.24.15.98		36.92	21.69	44.77		.....	
	48	ξ ² Libræ	E	41.7	44.1	46.7	51.7	54.3	56.8	4.2	6.7	9.2	11.7	14.50.56.82		56.71	41.61	44.90		.....	
	49	ψ Boötis	E	25.2	...	30.7	36.3	39.0	41.8	50.0	52.7	...	58.3	14.59.41.88		41.53	26.46	44.93		.....	

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 7, and 11, - 123^s.74: and - 123^s.92.
Corrections for passage of Semidiameter, Nos. 15, 18, 19, 25, 36, and 45, + 0^s.22: + 65^s.74: + 66^s.32: + 67^s.41: + 68^s.96: and + 0^s.50.

- Observed over wire T with the transit-micrometer set to readings 37^r.011, 36^r.977, 36^r.929, 36^r.816, 36^r.782, 36^r.751, 36^r.675, 36^r.637, 36^r.598, 36^r.506.
- Observed over wire U with the transit-micrometer set to readings 37^r.329, 37^r.472, 37^r.533, 37^r.638, 37^r.737, 37^r.812, 37^r.904, 37^r.961, 38^r.054, 38^r.190.
- Very faint. Correction to R.A. on true meridian - 0^s.01.
- Correction to R.A. on true meridian - 0^s.01.
- Observed over wire X with the transit-micrometer set to readings 35^r.791, 35^r.752, 35^r.710, 35^r.655, 35^r.628, 35^r.578, 35^r.540, 35^r.510, 35^r.475, 35^r.423.
- Observed over wires P, Q, Y, and Z.
- Very faint; cloudy. Correction to R.A. on true meridian - 0^s.01.
- Reduction to D's centre at time of transit of crater, - 2^s.74. A further correction of - 0^s.11 has been applied to reduce to time of transit of D's centre on true meridian.
- Observed over wire X with the transit-micrometer set to readings 36^r.368, 36^r.517, 36^r.637, 36^r.933, 37^r.045, 37^r.316, 37^r.484, 37^r.965, 38^r.084, 38^r.223. Very faint; cloudy.
- Very diffused.
- Observed over wire T with the transit-micrometer set to readings 35^r.565, 35^r.525, 35^r.494, 35^r.311, 35^r.275, 35^r.228, 35^r.107, 35^r.069, 35^r.005, 34^r.980. 48. Very faint.

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
July 2	1	♈ Libræ.....	E	52.9	55.4	58.0	3.4	6.0	8.5	16.3	19.0	21.6	24.0	15. 6. 8.63	- 1.45		8.58	53.49	44.91	44.69	.....
	2	Groombridge 2283.....	E	22.7	28.1	32.7	56.8	1.0	12.3	16.8	20.7	36.2	40.7	15. 6. 51.61	(- 4.67)		41.04	25.86	44.82	[+ 0.38]	.....
	3	Mayer 616.....	E	44.3	46.9	49.4	54.5	57.1	59.7	7.1	9.6	12.0	14.5	15. 17. 59.62	[+ 2.41]		59.52				15. 18. 44.45
	4	♈ I L.....	E	40.3	43.0	45.4	51.0	53.4	56.0	3.8	6.6	9.2	11.8	15. 28. 56.16			56.08				15. 30. 51.77
	5	Mösting A.....	E	55.7	58.2	0.8	6.2	8.8	11.5	19.4	21.9	24.6	27.4	15. 30. 11.56			11.48				15. 30. 51.92
	6	♈ Serpentis.....	E	40.1	42.5	45.0	50.2	52.7	55.3	2.4	5.1	7.4	9.9	15. 38. 55.17			54.96	39.95	44.99		.....
	7	♈ Serpentis.....	E	9.8	12.3	14.7	19.8	22.1	24.8	32.1	34.5	37.0	39.5	15. 45. 24.77			24.57	9.51	44.94		.....
	8	♈ Libræ.....	E	4.5	7.0	9.7	14.8	17.4	20.0	27.7	30.4	32.7	35.4	15. 54. 20.08			20.00				15. 55. 4.94
	9	W.B. XVI. 140.....	E	35.0	37.4	39.8	45.1	47.7	50.3	57.8	0.3	2.9	5.4	16. 9. 50.29			50.21				16. 10. 35.16
July 3	10	♈ I L.....	JS	4.2	6.7	9.3	14.9	17.7	20.3	28.1	30.6	33.4	36.3	6. 44. 20.27	(- 4.97)		28.61			44.81	6. 46. 13.50
	11	♈ 2 L.....	JS	21.3	23.8	26.7	32.4	34.9	37.9	45.5	48.2	50.8	53.5	6. 46. 37.62	[+ 2.00]				[+ 0.28]		9. 13. 29.56
	12	Venus 1 L.....	JS	28.7	31.3	33.9	39.3	41.8	44.3	52.0	54.7	57.2	0.0	9. 12. 44.44			44.13				10. 14. 47.51
	13	♈ Leonis.....	JS	46.9	...	52.1	57.7	0.2	3.0	10.7	...	...	...	10. 14. 2.90			2.58	47.39	44.81		11. 9. 6.88
	14	♈ Leonis.....	JS	6.4	8.9	11.5	17.0	19.7	22.2	30.0	32.7	35.3	37.8	11. 8. 22.27			21.94	6.74	44.80		13. 20. 15.52
	15	Spica.....	JS	15.6	18.1	20.5	25.6	28.0	30.7	38.0	40.7	43.1	45.5	13. 19. 30.69			30.55	15.52	44.97		.....
	16	Polaris S.P.....	JS	37.9	43.5	50.0	2.8	8.7	12.4	23.6	27.3	32.7	40.3	13. 24. 14.78			35.63	22.85	47.23		13. 42. 48.74
	17	♈ Bootis.....	JS	...	51.0	53.7	58.8	1.4	4.0	11.7	14.3	16.8	...	13. 42. 4.08			3.77	48.71	44.94		13. 50. 13.54
	18	♈ Bootis.....	d	13.2	15.7	18.3	23.7	26.1	28.9	...	...	...	...	13. 49. 28.88			28.57	13.57	45.00		14. 11. 23.52
	19	♈ Bootis.....	r	...	...	...	...	...	36.7	39.2	41.7	44.3	...	13. 49. 28.92			28.61	13.57	44.96		14. 11. 23.45
	20	Arcturus.....	JS	23.0	25.6	28.2	33.6	36.2	38.9	...	...	...	...	14. 10. 38.86			38.54	23.53	44.99		.....
	21	Arcturus.....	d	...	...	...	...	...	46.3	49.2	51.8	54.3	...	14. 10. 38.79			38.47	23.53	45.06		.....
	22	♈ Libræ.....	HA	41.9	44.3	46.8	52.1	54.8	57.3	4.8	7.3	9.9	12.6	14. 44. 57.30			57.20	42.23	45.03	44.89	.....
	23	♈ Libræ.....	HA	52.6	55.3	57.8	3.3	6.0	8.5	16.2	19.0	21.3	23.8	15. 6. 8.49			8.40	53.49	45.09		.....
	24	♈ Coronæ.....	E	42.1	44.8	47.6	53.2	56.0	58.8	6.7	9.7	12.3	15.2	15. 29. 58.77			59.07	44.02	44.95	44.81	15. 30. 44.06
	25	♈ Serpentis.....	JS	...	...	...	50.0	52.5	55.3	2.3	5.0	7.4	9.9	15. 38. 55.13			54.89	39.94	45.05		15. 39. 39.88
	26	♈ Libræ.....	JS	4.7	7.2	9.5	15.0	17.5	20.1	27.6	30.1	32.8	35.3	15. 54. 20.10			20.00				16. 10. 35.08
	27	W.B. XVI. 140.....	JS	34.7	37.3	39.8	45.1	47.7	50.2	57.7	0.3	2.7	5.3	16. 9. 50.19			50.08				16. 33. 18.82
	28	♈ I L.....	JS	5.3	7.9	10.7	16.0	18.7	21.4	29.4	32.0	34.7	37.3	16. 31. 21.46			21.37				16. 33. 18.77
	29	Mösting A.....	JS	24.0	26.7	29.3	35.0	37.6	40.3	48.0	50.9	53.6	56.1	16. 32. 40.27			40.18				17. 2. 49.52
	30	Mayer 691.....	JS	49.0	51.5	54.2	59.3	2.0	4.7	12.0	14.9	17.3	20.0	17. 2. 4.61			4.51				17. 14. 27.26
	31	Piazzi XVII. 43.....	JS	26.7	29.3	31.8	37.2	39.7	42.3	39.9	42.6	55.0	57.7	17. 13. 42.34			42.25				17. 16. 16.52
	32	♈ Ophiuchi.....	JS	15.2	17.8	20.6	25.9	28.7	31.6	39.7	42.3	45.0	47.6	17. 15. 31.56			31.51	16.54	45.03		.....
	33	♈ Ophiuchi.....	GC	36.1	38.6	41.0	46.4	48.7	51.3	58.7	1.3	4.0	6.4	17. 29. 51.36			51.08	36.28	45.20	45.01	.....
	34	♈ Ursæ Minoris.....	JS	59.2	5.5	10.6	15.7	21.0	25.9	31.3	35.8	40.3	45.4	18. 2. 16.01			8.48	54.00	45.52	44.81	.....
	35	72 Ophiuchi.....	JS	...	58.3	0.8	5.9	8.3	10.8	18.0	20.7	23.2	...	18. 2. 10.86			10.60	55.69	45.09		18. 2. 55.62
	36	72 Ophiuchi..... (E&E)	JS	34.1	49.0	4.2	18.6	33.8	48.6	3.8	...	...	...	18. 2. 10.66			10.40	55.69	45.29		.....
	37	♈ Sagittarii.....	GC	9.6	12.5	15.1	20.3	23.1	25.6	33.4	36.1	38.8	41.4	18. 7. 25.71			25.64	10.87	45.23	45.01	.....
	38	Uranus.....	JS	31.6	34.1	36.8	42.3	45.2	47.9	55.7	58.5	1.2	3.7	18. 26. 47.82			47.76			44.81	18. 27. 32.79
	39	♈ Ursæ Minoris.....	JS	52.4	0.1	5.0	22.7	27.2	32.5	43.1	47.7	53.3	5.6	19. 16. 25.31			0.08	46.05	45.97		.....
	40	♈ Vulpeculæ.....	JS	48.8	51.3	54.0	59.7	2.4	5.2	13.0	15.7	18.5	21.2	19. 24. 5.10			4.74	49.83	45.09		19. 24. 49.78
	41	♈ Sagittarii.....	JS	22.0	24.6	27.0	32.4	35.0	37.6	45.1	47.7	50.3	52.8	19. 34. 37.57			37.47	22.56	45.09		19. 35. 22.51
July 4	42	♈ Bootis.....	S	52.3	55.1	57.9	3.3	6.2	9.2	17.2	20.0	22.8	25.5	14. 40. 9.08	(- 5.45)		8.69	54.18	45.49	45.29	.....
	43	♈ Libræ.....	S	41.1	43.6	46.3	51.2	53.7	56.3	3.5	6.2	8.6	11.1	14. 50. 56.27	[+ 3.03]		56.18	41.60	45.42		.....
	44	♈ Bootis.....	HA	24.8	27.4	30.3	36.0	38.7	41.5	49.7	52.5	55.3	58.0	14. 59. 41.55			41.16	26.43	45.27	45.15	.....
	45	Groombridge 2283.....	HA	41.1	54.7	11.8	18.8	36.4	44.1	56.7	1.9	14.3	24.7	15. 6. 52.30			40.15	24.80	44.65		.....
	46	♈ Libræ.....	HA	58.3	0.9	3.4	8.7	11.2	13.8	21.6	24.1	26.6	29.0	15. 22. 13.88			13.82	59.06	45.24		.....
	47	♈ Scorpii.....	HA	59.2	1.7	4.3	9.7	12.3	14.8	22.7	25.2	27.8	30.3	15. 59. 14.92			14.90	0.22	45.32		.....
	48	♈ Ophiuchi.....	HA	26.8	29.3	31.8	36.7	39.3	41.7	49.1	51.6	54.0	56.4	16. 8. 41.78			41.63	26.98	45.35		.....
	49	♈ Ophiuchi.....	HA	14.8	17.3	19.8	25.1	27.3	29.8	37.3	39.8	42.3	44.7	16. 52. 29.93			29.69	15.04	45.35		.....
	50	♈ Herculis.....	HA	23.2	25.8	28.3	33.4	36.0	38.5	46.0	48.5	51.3	53.6	17. 9. 38.57			38.29	23.63	45.34		.....
July 4	51	♈ I L.....	HA	59.0	1.7	4.1	9.8	12.4	15.0	23.2	25.8	28.8	31.3	17. 36. 15.23			15.21				17. 38. 14.07
	52	♈ Herculis.....	HA	38.2	41.0	43.5	49.3	51.9	54.6	2.7	5.7	8.3	11.0	17. 50. 54.75			54.37	39.74	45.37		.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, No. 36, - 128.29.
Corrections for passage of Semidiameter, Nos. 4, 12, 28 and 51, + 70.76; + 0.51; + 72.45; and + 73.50:

2. Observed over wire U with the transit-micrometer set to readings 35.7632, 35.740, 35.7807, 36.216, 36.291, 36.487, 36.584, 36.603, 36.7898, 36.7975.
5. Reduction to D's centre at time of transit of crater - 4.31. A further correction of - 0.19 has been applied to reduce to time of transit of D's centre over true meridian.
13. Very faint.
16. Observed over wire T with the transit-micrometer set to readings 35.7804, 35.763, 35.706, 35.587, 35.548, 35.515, 35.407, 35.386, 35.334, 35.273.
- 22, 30, 32, 43, 46, Unsteady.
29. Reduction to D's centre at time of transit of crater - 6.13. A further correction of - 0.28 has been applied to reduce to time of transit of D's centre over true meridian.
34. Observed over wire O with the transit-micrometer set to readings 35.7863, 36.021, 36.163, 36.287, 36.419, 36.560, 36.645, 36.773, 36.876, 36.998.
39. Observed over wire T with the transit-micrometer set to readings 37.481, 37.496, 37.551, 37.671, 37.726, 37.756, 37.817, 37.864, 37.875, 37.994.
45. Observed over wire V with the transit-micrometer set to readings 35.7945, 36.154, 36.446, 36.574, 36.882, 36.995, 37.210, 37.313, 37.543, 37.685.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GOMM...

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.			
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	[Azimuth].								
																						h	m	s
July 4	1	72 Ophiuchi	HA	55.3	57.9	0.3	5.7	8.0	10.7	17.8	20.3	23.0	25.3	18. 2. 10.54	- 1.45		10.30	55.69	45.39	45.15				
	2	δ Ursæ Minoris.	HA	40.3	46.8	10.5	16.3	28.3	34.3	47.7	53.7	4.3	11.3	18. 2. 16.60	(- 5.45)		7.96	53.82	45.86	[+ 0.28]				
	3	Uranus	HA	20.8	23.3	25.9	31.3	34.2	37.0	44.6	47.5	50.3	53.0	18. 26. 36.91	[+ 3.03]		36.91				18. 27. 22.28			
	4	β ¹ Lyrae	E	35.8	38.8	41.8	47.8	50.7	53.7	2.3	5.4	8.2	11.2	18. 45. 53.71			53.26	38.82	45.56	45.34				
	5	ε Aquilæ	E	22.9	25.3	27.8	33.1	35.6	38.3	45.7	48.4	50.8	53.4	18. 54. 38.24			37.96	23.52	45.56					
	6	ζ Aquilæ	HA	7.1	9.5	12.2	17.3	19.9	22.3	29.8	32.3	35.0	37.4	19. 0. 22.39			22.12	7.55	45.43	45.15				
	7	λ Ursæ Minoris.	HA	22.1	33.7	51.0	57.6	11.4	18.3	34.8	40.6	7.0	13.9	19. 16. 29.56			0.49	45.83	45.34					
	8	α Vulpeculæ	HA	51.0	53.8	59.3	2.1	5.0	12.7	15.5	18.3			19. 24. 4.83			4.47	49.84	45.37					
	9	β Aquilæ	HA	43.8	46.1	48.7	53.7	56.3	58.7	6.0	8.4	11.0	13.3	19. 49. 58.71			58.50	43.88	45.38					
July 5	10	⊙ 1 L	SE	18.2	20.8	23.7	29.0	31.8	34.5	42.3	45.2	47.5	50.3	6. 52. 34.45	(- 5.33)	} 42.76			45.60	6. 54. 28.46				
	11	⊙ 2 L	SE	35.3	38.2	40.8	46.3	48.8	51.8	59.5	2.2	4.8	7.3	6. 54. 51.62	[+ 4.35]				[+ 0.36]	.....				
	12	Venus 1 L	SE	...	55.7	58.3	3.5	6.3	8.9	16.5	19.1	21.7	...	9. 22. 8.87		8.64				9. 22. 54.89				
	13	δ Virginis	GC	52.7	55.0	57.4	2.6	4.9	7.5	14.7	17.3	19.7	22.0	12. 50. 7.42	(- 5.85)	7.24	52.88	45.64	45.44	.....				
	14	ε Virginis	GC	30.1	32.6	35.1	40.1	42.7	45.3	52.6	55.3	57.7	0.3	12. 56. 45.22	[+ 3.70]	44.98	30.63	45.65		.....				
	15	Spica	d GC	14.9	17.3	19.7	25.0	27.5	29.9	...	...	...	...	13. 19. 29.92		29.85	15.50	45.65		.....				
	16	Spica	r GC	...	...	...	...	...	...	37.3	39.9	42.3	45.0	13. 19. 29.93		29.86	15.50	45.64		.....				
	17	Polaris S.P.	JS	30.8	36.6	43.0	49.7	55.0	1.0	5.8	10.3	15.7	20.9	13. 24. 12.70		39.17	25.09	45.92	45.34	.....				
	18	τ Boötis	d JS	47.8	50.4	53.0	58.2	0.8	3.5	...	...	...	...	13. 42. 3.48		3.19	48.69	45.50		.....				
	19	τ Boötis	r JS	...	...	...	...	...	...	11.1	13.6	16.3	18.8	13. 42. 3.46		3.17	48.69	45.52		.....				
	20	α Serpentis	d SE	39.1	41.7	44.2	49.2	51.8	54.5	...	...	...	...	15. 38. 54.27		54.06	39.93	45.87	45.60	.....				
	21	α Serpentis	r SE	...	...	...	...	...	...	1.7	4.2	6.7	9.0	15. 38. 54.39		54.18	39.93	45.75		.....				
	22	ε Serpentis	r SE	9.0	11.3	13.8	19.2	21.4	23.9	...	...	...	...	15. 45. 23.93		23.74	9.50	45.76		.....				
	23	ε Serpentis	d SE	...	...	...	...	...	...	...	33.5	36.1	38.5	15. 45. 23.82		23.63	9.50	45.87		.....				
	24	γ Serpentis	SE	...	...	...	...	...	...	22.9	30.3	32.8	35.4	15. 51. 22.78		22.51	8.32	45.81		.....				
	25	λ Ophiuchi	SE	11.8	14.0	16.5	21.6	24.1	26.5	33.8	36.4	38.7	41.2	16. 25. 26.57		26.40	12.19	45.79		.....				
	26	ε Herculis	SE	40.7	43.6	46.3	52.2	55.2	58.0	6.4	9.6	12.2	14.9	16. 55. 58.04		57.61	43.50	45.89		.....				
	27	β Ophiuchi	BE	51.2	53.4	56.0	1.3	3.5	6.0	13.3	15.8	18.1	20.8	17. 38. 6.05		5.86	51.80	45.94	45.63	.....				
	28	89 Herculis	BE	37.8	40.4	43.1	48.7	51.4	54.3	2.3	5.2	7.7	10.6	17. 50. 54.28		53.89	39.74	45.85		.....				
	29	δ Ursæ Minoris	SE	55.3	1.2	9.5	19.0	24.9	30.7	38.3	44.9	52.3	59.3	18. 2. 17.52		8.07	53.63	45.56	45.60	.....				
	30	μ Sagittarii	SE	9.2	11.7	14.2	19.7	22.5	24.8	33.1	35.6	38.1	40.7	18. 7. 25.00		25.03	10.89	45.86		.....				
	31	16 Sagittarii	SE	37.9	40.6	43.1	48.7	51.2	53.9	1.7	4.3	6.8	9.5	18. 8. 53.81		53.83				18. 9. 39.70				
	32	Y Sagittarii	SE	52.2	54.6	57.1	2.5	5.3	7.9	15.3	17.9	20.7	23.2	18. 15. 7.71		7.71				18. 15. 53.58				
	33	Uranus	SE	9.8	12.5	15.2	20.6	23.2	25.8	33.9	36.6	39.3	41.9	18. 26. 25.92		25.96				18. 27. 11.84				
	34	α Lyrae	SE	43.2	46.2	49.5	56.1	59.0	2.5	11.7	15.0	17.9	21.1	18. 33. 2.27		1.73	47.66	45.93		.....				
	35	⊙ 1 L	SE	...	...	...	5.9	8.7	11.2	19.2	22.1	24.8	27.7	18. 42. 11.36		11.38				18. 44. 10.79				
	36	Cephei 51 S.P.	SE	34.0	40.9	49.1	55.6	4.3	9.6	14.7	20.6	28.6	36.8	18. 55. 22.76		34.06	19.61	45.55		.....				
	37	δ Sagittarii	SE	...	11.5	13.9	19.3	21.9	24.6	32.2	35.0	37.7	...	19. 11. 24.63		24.64				19. 12. 10.53				
	38	δ Aquilæ	JS	47.4	49.7	52.2	57.3	59.6	6.4	9.5	11.9	14.4	16.9	19. 20. 2.24		2.06	47.72	45.66	45.34	.....				
	39	ε ¹ Sagittarii	SE	21.3	23.8	26.2	31.6	34.0	36.7	44.2	46.9	49.4	51.9	19. 34. 36.72		36.70	22.59	45.89	45.60	.....				
	40	α ² Capricorni	SE	51.5	54.0	56.5	1.6	4.2	6.7	14.3	16.7	19.1	21.7	20. 11. 6.74		6.69	52.55	45.86		.....				
July 14	41	⊙ 1 L	JS	6.0	8.7	11.3	16.7	19.4	22.1	29.7	32.7	35.3	37.9	7. 29. 22.10	- 0.08	} 29.84			48.01	7. 31. 17.94				
	42	⊙ 2 L	JS	22.1	24.7	27.3	32.7	35.4	38.0	45.8	48.7	51.3	54.0	7. 31. 38.12	(- 5.53)				[+ 0.28]	.....				
	43	Arcturus	HA	19.7	22.3	24.9	30.1	32.8	35.5	43.2	45.8	48.4	51.0	14. 10. 35.49	[+ 2.58]	35.23	23.40	48.17		.....				
	44	ρ Boötis	GC	42.7	45.5	48.2	54.3	57.0	59.9	8.3	11.3	14.2	17.0	14. 26. 59.97		59.62	47.77	48.15	47.99	.....				
	45	ε ² Boötis	GC	49.5	52.0	54.8	0.7	3.5	6.1	14.1	17.3	19.9	22.8	14. 40. 6.20		5.89	54.05	48.16		.....				
	46	ψ Boötis	HA	21.7	24.7	27.3	32.9	35.6	38.6	46.4	49.4	52.1	55.0	14. 59. 38.52		38.21	26.31	48.10	48.01	.....				
	47	δ Ophiuchi	HA	24.0	26.3	28.7	33.9	36.3	38.8	46.1	48.7	51.2	53.3	16. 8. 38.85		38.76	26.93	48.17		.....				
	48	γ Herculis	d HA	44.2	46.8	49.4	54.7	57.3	0.0	...	...	...	...	16. 16. 59.99		59.74	48.08	48.34		.....				
	49	γ Herculis	r HA	...	...	...	...	...	...	7.8	10.6	12.9	15.4	16. 17. 0.09		59.84	48.08	48.24		.....				
	50	λ Ophiuchi	HA	9.3	11.6	14.0	19.2	21.4	24.0	31.4	33.8	36.3	38.8	16. 25. 24.10		23.98	12.15	48.17		.....				
	51	α Ophiuchi	HA	33.2	35.6	37.9	43.2	45.8	48.3	55.6	58.1	0.8	3.2	17. 29. 48.29		48.09	36.28	48.19		.....				
	52	89 Herculis	HA	35.3	37.9	40.6	46.3	49.1	51.8	59.8	2.7	5.5	8.1	17. 50. 51.84		51.53	39.74	48.21		.....				

Corrections for passage of Semidiameter, Nos. 12, and 35, +0.51: and +7.353.

July 6^d-13^d. Eye-tube away. A new zenith distance screw fitted.

- Observed over wire U with the transit-micrometer set to readings 36^r511, 36^r671, 37^r250, 37^r371, 37^r679, 37^r801, 38^r117, 38^r269, 38^r538, 38^r689.
- Observed over wire R with the transit-micrometer set to readings 35^r835, 35^r913, 36^r040, 36^r092, 36^r197, 36^r249, 36^r365, 36^r414, 36^r568, 36^r624.
- 13, 14, 15, 16. Reading of transit-micrometer 36^r025. Reduced to normal reading in forming the concluded transit.
- Observed over wire O with the transit-micrometer set to readings 36^r788, 36^r737, 36^r696, 36^r633, 36^r582, 36^r535, 36^r493, 36^r450, 36^r397, 36^r365.
- Observed over wire T with the transit-micrometer set to readings 36^r892, 37^r049, 37^r244, 37^r470, 37^r621, 37^r733, 37^r841, 38^r082, 38^r283, 38^r430.
- 30, 31, 32, 33, 34. Reading of transit-micrometer 36^r030. Reduced to normal reading in forming the concluded transit.
- Observed over wire X with the transit-micrometer set to readings 35^r802, 35^r688, 35^r488, 35^r372, 35^r196, 35^r086, 34^r991, 34^r882, 34^r709, 34^r540.
- Very unsteady.

1908 JULY 68

MONTH DAY	No. for Reference.	NAME OF OBJECT	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire. h m s	Error of Collimation. (Level). [Azimuth].		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation. h m s
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).						
				s	s	s	s	s	s	s	s	s	s		"						
July 14	1	δ Ursæ Minoris	HA	21'3	27'0	40'6	45'8	58'0	2'8	15'1	20'1	35'2	40'3	18. 2. 11'28	(- 0'08)		4'40	52'17	47'77	48'01	.....
	2	Cephei 51 S.P.	HA	28'6	35'6	50'1	56'3	7'4	13'3	28'9	34'3	46'8	52'2	18. 55. 24'68	(+ 2'58)		32'76	20'75	47'99	[+ 0'28]	.....
	3	λ Ursæ Minoris	HA	12'7	19'7	30'8	38'7	52'0	57'8	9'3	14'6	25'3	32'8	19. 16. 17'53			54'44	43'61	49'17		.....
	4	μ Aquilæ	HA	...	...	...	39'1	41'5	43'9	51'2	53'9	56'3	58'7	19. 28. 44'02			43'86	32'10	48'24		.....
	5	β Aquilæ	HA	41'1	43'3	45'9	51'0	53'3	55'8	3'2	6'0	8'2	10'7	19. 49. 55'97			55'82	44'00	48'18		.....
July 15	6	δ 2 L.	W	...	...	12'8	18'3	20'8	23'3	31'0	33'7	...	...	3. 35. 23'42	(- 5'56)		23'19		48'66	3. 35. 8'93	
															(+ 3'54)				[+ 0'27]	.....	
July 16	7	⊙ 1 L.	W	...	...	...	...	25'3	27'7	35'6	38'2	40'8	43'6	7. 37. 27'81						7. 39. 24'12	
	8	⊙ 2 L.	W	...	30'0	32'7	38'2	40'8	43'7	51'3	54'0	56'7	...	7. 39. 43'55			35'37				
	9	η Boötis	GC	9'5	11'8	14'5	19'7	22'3	25'0	32'7	35'3	37'8	40'5	13. 49. 25'03			24'75	13'41	48'66	48'54	.....
	10	Arcturus	GC	19'0	21'7	24'3	29'6	32'3	34'8	42'6	45'3	47'8	50'6	14. 10. 34'92			34'63	23'37	48'74		.....
	11	ζ Ophiuchi	d	57'0	59'3	1'9	7'0	9'4	12'1	...	...	...	...	16. 31. 12'05			12'00	0'88	48'88	48'66	.....
	12	ζ Ophiuchi	r	...	...	...	...	...	...	19'4	22'0	24'5	27'0	16. 31. 12'11			12'06	0'88	48'82		.....
	13	ζ Herculis	r	40'3	43'3	45'9	51'9	54'8	57'8	...	...	...	...	16. 36. 57'80			57'40	46'32	48'92		.....
	14	ζ Herculis	d	...	...	...	...	...	...	6'4	9'3	12'2	15'0	16. 36. 57'87			57'47	46'32	48'85		.....
	15	μ Herculis	W	43'6	46'2	48'9	54'7	57'5	0'3	8'7	11'4	14'1	16'9	17. 42. 0'36			0'00	48'79	48'79		.....
	16	δ Ursæ Minoris	W	48'4	52'7	56'8	0'9	5'5	9'6	14'5	19'3	23'2	28'6	18. 2. 10'52			2'99	51'78	48'79		.....
	17	λ Sagittarii	W	7'1	9'8	12'7	18'2	21'2	23'7	31'6	34'6	37'2	39'9	18. 21. 23'73			23'80	12'68	48'88		.....
July 17	18	⊙ 1 L.	JS	14'1	16'9	19'6	24'8	27'5	30'3	37'8	40'8	43'4	45'9	7. 41. 30'23	(- 6'69)					48'65	
	19	⊙ 2 L.	JS	29'8	32'2	35'0	40'5	43'1	45'8	53'6	56'5	59'0	1'7	7. 43. 45'84	(+ 2'94)					[+ 0'24]	7. 43. 26'45
	20	Mercury 1 L.	JS	...	...	...	...	...	...	55'5	57'8	0'5	3'1	9. 29. 47'95			47'69				9. 30. 36'61
	21	τ Boötis	GC	44'3	46'7	49'2	54'6	57'2	59'8	7'5	10'0	12'7	15'3	13. 41. 59'85			59'56	48'54	48'98	48'85	.....
	22	η Boötis	GC	9'1	11'6	14'2	19'4	22'0	24'8	32'3	35'2	37'6	40'1	13. 49. 24'75			24'45	13'40	48'95		.....
	23	Arcturus	GC	18'8	21'3	24'1	29'4	32'0	34'6	42'2	45'0	47'6	50'1	14. 10. 34'63			34'32	23'36	49'04		.....
	24	ε ² Boötis	r	48'9	51'6	54'2	59'9	2'8	5'7	...	...	...	...	14. 40. 5'61			5'23	54'01	48'78	48'65	.....
	25	ε ² Boötis	d	...	...	...	...	...	...	13'7	16'6	19'3	22'0	14. 40. 5'58			5'20	54'01	48'81		.....
	26	α Libræ	JS	37'8	40'3	42'9	48'2	50'8	53'3	0'7	3'4	5'9	8'6	14. 44. 53'31			53'30	42'09	48'79		.....
	27	β Libræ	d	54'6	57'1	59'5	4'7	7'1	9'6	...	...	...	...	15. 11. 9'67			9'60	58'42	48'82		.....
	28	β Libræ	r	...	...	...	...	...	...	17'0	19'5	21'8	24'5	15. 11. 9'62			9'55	58'42	48'87		.....
	29	89 Herculis	JS	34'7	37'4	40'1	45'7	48'5	51'5	59'4	2'2	5'1	7'7	17. 50. 51'36			50'99	39'73	48'74		.....
	30	89 Herculis (E&E)	JS	17'3	33'7	50'5	6'9	23'1	39'3	55'9	...	...	...	17. 50. 50'87			50'50	39'73	49'23		.....
	31	δ Ursæ Minoris	JS	36'6	43'7	50'8	55'8	1'9	7'7	13'0	18'6	24'2	30'3	18. 2. 10'82			2'63	51'56	48'93		.....
	32	72 Ophiuchi	JS	52'0	54'4	56'9	2'0	4'7	7'2	14'4	17'1	19'4	21'7	18. 2. 7'10			6'88	55'72	48'84		.....
	33	72 Ophiuchi (E&E)	JS	37'6	...	7'3	22'3	37'4	...	7'4	...	...	...	18. 2. 6'58			6'36	55'72	49'36		.....
	34	Cephei 51 S.P.	JS	33'4	39'7	47'8	5'3	11'4	16'5	21'4	38'0	43'1	48'7	18. 55. 22'76			32'34	21'25	48'91		.....
	35	ζ Aquilæ	JS	3'6	6'3	8'7	13'9	16'4	19'0	26'6	29'1	31'5	34'1	19. 0. 19'04			18'78	7'64	48'86		.....
	36	β Aquilæ	JS	40'3	42'8	45'3	50'2	52'8	55'5	2'6	5'2	7'5	10'1	19. 49. 55'35			55'16	44'03	48'87		.....
July 18	37	⊙ 1 L.	E	15'6	18'0	20'8	26'3	28'9	31'7	39'3	42'0	44'6	47'5	7. 45. 31'59	(- 7'30)					49'21	
	38	⊙ 2 L.	E	...	33'7	36'3	41'8	44'6	47'3	55'0	57'7	0'0	...	7. 47. 47'17	(+ 3'47)					[+ 0'23]	7. 47. 28'34
	39	η Boötis	GC	...	...	...	...	...	...	32'2	34'9	37'4	40'0	13. 50. 24'57			24'27	13'39	49'12	49'03	.....
	40	Arcturus	GC	18'7	21'2	23'7	29'0	31'7	34'3	42'2	44'8	47'3	50'0	14. 10. 34'41			34'10	23'35	49'25		.....
	41	ρ Boötis	GC	41'6	44'6	47'4	53'3	56'1	59'0	7'4	10'3	13'1	16'0	14. 26. 59'01			58'57	47'70	49'13		.....
	42	δ Ophiuchi	E	22'8	25'2	27'6	32'7	35'2	37'6	45'0	47'5	49'8	52'6	16. 8. 37'72			37'63	26'90	49'27	49'21	.....
	43	γ Herculis	E	43'3	45'7	48'5	53'7	56'6	59'2	6'7	9'4	12'0	14'6	16. 16. 59'09			58'79	48'05	49'26		.....
	44	Antares	E	34'7	37'5	40'0	45'7	48'4	51'3	59'3	2'0	4'8	7'6	16. 22. 51'26			51'40	40'72	49'32		.....
	45	89 Herculis	E	34'3	36'8	39'6	45'3	47'9	50'7	58'8	1'6	4'4	7'1	17. 50. 50'78			50'40	39'73	49'33		.....
	46	δ Ursæ Minoris	E	39'7	45'7	52'4	12'7	18'7	33'0	39'6	48'2	6'1	11'3	18. 2. 10'96			1'76	51'32	49'56		.....
	47	2 Aquilæ	E	5'5	7'9	10'5	15'6	18'1	20'6	27'7	30'4	32'9	35'4	18. 36. 20'58			20'54	9'95	49'41		.....
	48	β ¹ Lyrae	d	32'2	35'2	37'8	44'1	47'0	50'0	...	...	...	...	18. 45. 50'00			49'53	38'87	49'34		.....
	49	β ¹ Lyrae	r	...	...	...	...	...	...	58'7	1'6	4'8	7'6	18. 45. 50'10			49'63	38'87	49'24		.....
	50	Aquilæ	r	19'3	21'7	24'2	29'4	31'9	34'7	...	...	...	...	18. 54. 34'60			34'34	23'61	49'27		.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 30 and 33, -135^m89^s: and -135^m89^s.
 Corrections for passage of Semidiameter, Nos. 6, and 20, -62^m96^s: and +0^m28^s.

- Observed over wire Q with the transit-micrometer set to readings 36^m00^s, 36^m12^s, 36^m46^s, 36^m58^s, 36^m89^s, 37^m01^s, 37^m29^s, 37^m40^s, 37^m77^s, 37^m90^s.
- Observed over wire S with the transit-micrometer set to readings 35^m72^s, 35^m61^s, 35^m34^s, 35^m22^s, 34^m99^s, 34^m88^s, 34^m54^s, 34^m43^s, 34^m21^s, 34^m08^s.
- Observed over wire T with the transit-micrometer set to readings 36^m81^s, 36^m86^s, 36^m96^s, 37^m00^s, 37^m09^s, 37^m12^s, 37^m21^s, 37^m24^s, 37^m33^s, 37^m36^s.
- 7, 8, 10. Cloudy.
9. Very unsteady.
- Observed over wire U with the transit-micrometer set to readings 35^m42^s, 35^m52^s, 35^m64^s, 35^m71^s, 35^m81^s, 35^m91^s, 36^m04^s, 36^m15^s, 36^m24^s, 36^m38^s.
- Observed over wire O with the transit-micrometer set to readings 34^m02^s, 34^m25^s, 34^m37^s, 35^m47^s, 35^m63^s, 35^m76^s, 35^m88^s, 35^m05^s, 35^m17^s, 35^m35^s.
- Observed over wire T with the transit-micrometer set to readings 35^m79^s, 35^m68^s, 35^m52^s, 35^m15^s, 35^m00^s, 34^m91^s, 34^m83^s, 34^m53^s, 34^m38^s, 34^m29^s.
- Observed over wire T with the transit-micrometer set to readings 36^m69^s, 36^m84^s, 36^m99^s, 37^m47^s, 37^m62^s, 37^m95^s, 38^m13^s, 38^m32^s, 38^m73^s, 38^m87^s.
21. Very faint.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GOAMM.68

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	[Azimuth].					
				s	s	s	s	s	s	s	s	s	s								
July 18	1	ε Aquilæ.....d	E	...	...	...	...	...	41.8	44.5	47.2	49.6	18. 54. 34.46	- 0.08							
	2	Cephei 51 S.P.....	E	49.6	54.6	0.8	22.2	26.4	39.4	44.2	50.2	8.2	13.3	18. 55. 20.59	(- 7.30)		34.20	23.61	49.41	49.21	.....
	3	λ Ursæ Minoris.....	E	58.1	3.4	8.5	29.8	34.3	49.3	55.7	1.6	19.7	24.3	19. 6. 23.80	(+ 3.47)		31.43	21.45	50.02	[+ 0.23]	.....
	4	μ Aquilæ.....	E	27.8	30.3	32.8	37.9	40.4	42.9	50.1	52.7	55.2	57.6	19. 28. 42.89			52.90	42.21	49.31		.....
	5	η ² Sagittarii.....	E	55.8	58.4	1.2	6.8	9.4	12.2	20.1	23.0	25.7	28.4	19. 30. 12.23			42.70	32.13	49.43		.....
	6	α Aquilæ.....	E	9.8	12.1	14.7	19.8	22.3	24.8	32.2	34.7	37.2	39.6	19. 45. 24.84			12.36	1.83	49.47		.....
	7	Groombridge 1119 S.P.....	E	52.4	57.6	3.1	25.4	32.3	46.3	51.8	56.3	13.6	19.0	20. 2. 10.98			24.64	14.12	49.48		.....
	8	ρ Capricorni.....	E	27.2	29.6	32.3	37.6	40.2	42.9	50.2	52.9	55.7	58.3	20. 22. 42.81			39.20	26.36	47.16		.....
	9	ρ Capricorni.....(E&E)	E	12.4	28.0	43.7	59.1	14.5	30.0	45.7	...	...	...	20. 22. 42.79			42.86	32.37	49.51		.....
	10	ε Delphini.....	E	41.2	43.6	46.1	51.7	53.7	56.4	3.6	6.3	8.7	11.3	20. 27. 56.38			42.84	32.37	49.53		.....
	11	ε Delphini.....(E&E)	E	27.2	42.5	57.5	12.9	27.6	42.6	58.0	...	...	...	20. 27. 56.34			56.16	45.59	49.43		.....
July 20	12	⊙ 1 L.....	W	17.7	20.3	22.8	28.3	30.8	33.8	41.4	44.0	46.7	49.4	7. 53. 33.64	(- 5.85)						
	13	⊙ 2 L.....	W	32.8	35.4	38.2	43.7	46.3	48.9	56.6	59.3	2.0	4.5	7. 55. 48.89	(+ 2.45)		40.99		49.70	[+ 0.22]	7. 55. 30.76
	14	κ Ophiuchi.....d	W	...	...	...	20.3	23.0	25.6	32.7	...	...	...	16. 52. 25.47			25.27	14.98	49.71		.....
	15	κ Ophiuchi.....r	W	...	...	...	...	...	35.6	37.8	40.1	55.2	10.5	16. 52. 25.48			25.28	14.98	49.70		.....
	16	ε Herculis.....r	W	36.7	39.7	42.3	48.3	51.0	53.9	...	...	...	...	16. 55. 54.05			53.68	43.39	49.71		.....
	17	ε Herculis.....d	W	...	...	...	...	...	2.3	5.3	8.2	11.0	16. 55. 53.93			53.56	43.39	49.83		.....	
	18	η Ophiuchi.....d	W	56.0	58.6	1.0	6.5	8.9	...	...	...	...	...	17. 4. 11.52			11.50	1.35	49.85		.....
	19	η Ophiuchi.....r	W	...	...	...	...	...	19.0	21.8	24.2	27.2	17. 4. 11.70			11.68	1.35	49.67		.....	
	20	μ Herculis.....	W	...	...	...	53.8	56.4	59.2	7.3	10.2	13.0	15.9	17. 41. 59.26			58.92	48.77	49.85		.....
	21	δ Ursæ Minoris.....	W	48.5	53.0	57.8	12.8	17.0	21.1	47.0	50.6	54.3	59.6	18. 2. 8.09			0.99	50.82	49.83		.....
	22	Cephei 51 S.P.....	W	15.3	20.6	24.0	28.0	42.2	45.8	49.2	52.3	5.3	8.3	18. 55. 23.22			31.51	21.92	50.41		.....
	23	λ Ursæ Minoris.....	W	23.0	26.7	30.1	33.3	45.6	49.6	52.7	56.2	7.9	11.6	19. 16. 16.30			52.53	41.18	48.65		.....
	24	δ Aquilæ.....	W	43.2	45.7	48.0	53.0	55.7	58.0	5.2	7.8	10.2	12.7	19. 19. 58.07			57.92	47.86	49.94		.....
	25	δ Aquilæ.....(E&E)	W	31.1	45.8	0.6	15.5	30.0	44.8	59.9	...	...	...	19. 19. 58.12			57.97	47.86	49.89		.....
	26	μ Aquilæ.....	W	27.4	29.8	32.2	37.3	39.8	42.4	49.7	52.2	54.7	57.2	19. 28. 42.39			42.21	32.15	49.94		.....
	27	μ Aquilæ.....(E&E)	W	14.8	29.8	44.8	59.7	14.5	29.3	44.4	...	...	...	19. 28. 42.34			42.16	32.15	49.99		.....
	28	Groombridge 1119 S.P.....	W	5.3	9.3	12.7	16.3	30.0	33.6	37.2	40.3	52.0	55.9	20. 2. 16.93			38.55	26.87	48.32		.....
	29	ρ Capricorni.....	W	26.8	29.3	31.8	37.2	39.8	42.5	50.0	52.7	55.3	57.8	20. 22. 42.44			42.44	32.40	49.96		.....
July 21	30	⊙ 1 L.....	JS	18.2	20.8	23.4	29.0	31.5	34.2	41.8	44.5	47.1	49.9	7. 57. 34.16	(- 5.00)						
	31	⊙ 2 L.....	JS	33.2	35.8	38.3	43.7	46.3	49.2	56.8	59.5	2.0	4.8	7. 59. 49.08			41.39		49.92		7. 59. 31.38
July 22	32	⊙ 1 L.....	WB	17.7	20.2	22.7	28.1	30.8	33.6	41.3	43.9	46.5	49.0	8. 1. 33.50	(- 6.15)						
	33	⊙ 2 L.....	WB	...	35.1	37.8	...	...	48.2	56.1	58.8	1.4	4.0	8. 3. 48.39	(+ 3.63)		40.70		50.01	[+ 0.16]	8. 3. 30.76
	34	η Serpentis.....	WB	24.0	26.3	28.9	33.9	36.3	38.8	46.0	48.5	51.0	53.5	18. 15. 38.84			38.78	28.95	50.17		.....
	35	λ Sagittarii.....	WB	6.1	8.7	11.3	17.0	19.7	22.3	30.3	33.3	36.0	38.6	18. 21. 22.46			22.60	12.70	50.10		.....
	36	α Lyrae.....	WB	39.0	42.0	45.2	51.6	54.7	58.0	7.3	10.4	13.6	16.7	18. 32. 57.99			57.54	47.65	50.11		.....
July 23	37	⊙ 1 L.....	J	16.8	19.6	22.1	27.2	30.3	32.8	40.6	43.2	45.9	48.3	8. 5. 32.80	+ 0.66						
	38	⊙ 2 L.....	J	...	...	36.9	42.3	45.0	47.5	55.3	57.8	...	...	8. 7. 47.57	(- 6.72)		40.01		49.77	[+ 0.18]	8. 7. 29.84
	39	β Leonis.....	J	...	...	...	...	...	33.9	36.4	38.9	41.4	56.9	11. 43. 26.35	(+ 4.76)		26.22	16.09	49.87		.....
	40	β Virginis.....	J	...	...	...	53.4	55.9	58.3	5.7	8.2	10.5	13.1	11. 44. 58.41			58.40	48.24	49.84		.....
	41	ρ Boötis.....	GO	...	43.0	46.1	51.9	54.8	57.7	6.2	9.0	11.9	...	14. 26. 57.71			57.40	47.62	50.22	50.12	.....
	42	ε ² Boötis.....	GO	47.3	50.0	52.7	58.3	1.0	3.9	12.0	14.8	17.8	20.3	14. 40. 3.94			3.68	53.92	50.24		.....
	43	α Libræ.....	GO	36.2	38.5	41.2	46.5	49.0	51.6	59.2	1.8	4.3	6.8	14. 44. 51.63			51.80	42.02	50.22		.....
	44	ε ² Libræ.....	GO	35.8	38.3	40.8	46.0	48.3	51.0	58.3	0.9	3.5	6.2	14. 50. 51.03			51.15	41.40	50.25		.....
	45	ψ Boötis.....	GO	19.5	22.3	25.0	30.6	33.4	36.3	44.2	47.2	49.9	52.7	14. 59. 36.24			35.98	26.18	50.20		.....
	46	δ Ophiuchi.....	J	22.0	24.4	26.8	32.0	34.4	36.8	44.2	46.7	49.2	51.5	16. 8. 36.92			36.96	26.86	49.90	49.77	.....
	47	γ Herculis.....	J	42.5	45.1	47.7	53.0	55.7	58.3	5.9	8.7	11.2	13.8	16. 16. 58.31			58.14	48.00	49.86		.....
July 24	48	⊙ 1 L.....	W	15.1	17.7	20.2	25.4	28.3	30.9	38.7	41.3	43.9	46.7	8. 9. 30.94							
	49	⊙ 2 L.....	W	29.8	32.2	34.7	40.3	42.7	45.7	53.3	56.0	58.4	1.2	8. 11. 45.55			38.07		50.44	[+ 0.19]	8. 11. 28.57

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 9, 11, 25, and 27, - 136^m35: - 136^m35: - 137^m35: and - 137^m35.

2. Observed over wire O with the transit-micrometer set to readings 35^m50.6, 35^m41.7, 35^m28.3, 34^m86.5, 34^m76.3, 34^m51.9, 34^m42.8, 34^m28.0, 33^m94.6, 33^m84.9.
 3. Observed over wire T with the transit-micrometer set to readings 36^m66.0, 36^m70.8, 36^m74.1, 36^m89.5, 36^m91.5, 37^m03.1, 37^m07.8, 37^m11.2, 37^m24.9, 37^m26.9.
 7. Observed over wire R with the transit-micrometer set to readings 35^m86.9, 35^m81.0, 35^m77.5, 35^m60.6, 35^m53.7, 35^m44.9, 35^m39.5, 35^m35.3, 35^m23.4, 35^m17.6.
 14, 15, 18, 19, 20, 21, 32, 33. Cloudy.
 21. Observed over wire T with the transit-micrometer set to readings 36^m96.3, 37^m08.2, 37^m18.0, 37^m52.0, 37^m64.2, 37^m75.2, 38^m37.0, 38^m46.2, 38^m57.7, 38^m66.3.
 22. Observed over wire U with the transit-micrometer set to readings 38^m01.0, 37^m90.0, 37^m82.9, 37^m73.0, 37^m45.3, 37^m40.8, 37^m31.2, 37^m23.2, 37^m00.1, 36^m94.3.
 23. Observed over wire U with the transit-micrometer set to readings 36^m09.0, 36^m12.9, 36^m15.8, 36^m14.4, 36^m23.0, 36^m28.0, 36^m29.7, 36^m32.9, 36^m40.0, 36^m41.3.
 28. Observed over wire T with the transit-micrometer set to readings 35^m63.2, 35^m60.4, 35^m56.8, 35^m54.7, 35^m41.7, 35^m41.2, 35^m38.0, 35^m37.0, 35^m26.2, 35^m24.8.
 30, 31. Unsteady.
 39. Observed over wires U, V, W, X, and Y.
 44. Barely visible.
 48, 49. Limbs boiling.

1908-03-11 11:58:58 AM

MONTH and DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 7, 12, 19, 21, 25, 47, and 49, -96^m62: -96^m61: -96^m85:
-96^m85: -96^m85: -97^m16: and -97^m16.

Corrections for passage of Semidiameter, Nos. 16, 39, and 40, +0^m55: +0^m55: and +65^m79.

8. Observed over wire R with the transit-micrometer set to readings 34^m48.3, 34^m57.2, 34^m68.0, 34^m79.3, 35^m37.0, 35^m43.0, 35^m54.2, 35^m60.8, 36^m00.2, 36^m07.8.
9. Observed over wire T with the transit-micrometer set to readings 35^m34.0, 35^m25.0, 35^m19.0, 35^m10.7, 34^m87.7, 34^m83.8, 34^m78.6, 34^m69.0, 34^m43.4, 34^m34.3.
10. Observed over wire X with the transit-micrometer set to readings 38^m62.2, 38^m66.2, 38^m67.0, 38^m70.2, 38^m73.0, 38^m85.6, 38^m87.8, 38^m90.0, 38^m94.8, 38^m96.7.
13. Observed over wire T with the transit-micrometer set to readings 34^m70.3, 34^m66.8, 34^m64.1, 34^m60.3, 34^m49.9, 34^m47.4, 34^m43.2, 34^m32.0, 34^m30.3.
23. Observed over wire R with the transit-micrometer set to readings 35^m96.5, 36^m75.9, 37^m03.2, 37^m28.6, 37^m43.6, 37^m69.0, 38^m04.7, 38^m31.2, 38^m53.6, 38^m68.5.
27. Observed over wire R with the transit-micrometer set to readings 35^m36.0, 35^m14.0, 34^m87.4, 34^m73.0, 34^m60.8, 34^m38.8, 34^m22.0, 34^m08.7, 33^m51.3, 33^m71.2.
28. Observed over wire R with the transit-micrometer set to readings 35^m84.6, 35^m94.0, 36^m00.3, 36^m10.3, 36^m17.7, 36^m25.8, 36^m31.3, 36^m36.2, 36^m45.7, 36^m52.8.
40. Correction to R.A. on true meridian +0^m01.
44. Observed over wire T with the transit-micrometer set to readings 34^m39.0, 34^m16.1, 33^m80.0, 33^m59.8, 33^m38.9, 33^m26.0, 33^m06.9, 32^m91.3, 32^m75.8, 32^m60.8.
48, 49. Very cloudy.

16. Cloudy.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.		
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	(Azimuth).							
				s	s	s	s	s	s	s	s	s	s		h	m	s	"	"	s	s	s	s
July 27	1	α Aquilæ.....	SD	8 ^o	10 ^o 3	12 ^o 8	17 ^o 8	20 ^o 3	23 ^o 0	30 ^o 3	33 ^o 0	35 ^o 4	37 ^o 9	19. 45. 23 ^o 00	+ 0.66		23 ^o 00	14 ^h 18 ^m	51 ^s 18				
	2	β Aquilæ.....	SD	38 ^o	40 ^o 3	43 ^o 0	47 ^o 9	50 ^o 3	52 ^o 8	0 ^o 1	2 ^o 7	5 ^o 2	7 ^o 7	19. 49. 52 ^o 92	(- 5.80)		52 ^o 94	44 ^h 10 ^m	51 ^s 16	51 ^o 00			
	3	Groombridge 1119 S.P.....	SD	49 ^o 7	53 ^o 2	59 ^o 3	15 ^o 2	20 ^o 9	25 ^o 0	40 ^o 3	45 ^o 0	51 ^o 7	57 ^o	20. 2. 11 ^o 71	[+ 5.45]		37 ^o 32	28 ^h 67 ^m	51 ^s 35	[+ 0.20]			
	4	θ Aquilæ.....	SD	23 ^o 6	26 ^o 0	28 ^o 3	33 ^o 5	35 ^o 9	38 ^o 4					20. 5. 38 ^o 43			38 ^o 52	29 ^h 69 ^m	51 ^s 17				
	5	θ Aquilæ.....	SD							45 ^o 8	48 ^o 3	50 ^o 9	53 ^o 3	20. 5. 38 ^o 64			38 ^o 73	29 ^h 69 ^m	50 ^s 96				
	6	β Capricorni.....	SD	39 ^o 8	42 ^o 2	44 ^o 4	49 ^o 8	52 ^o 2	55 ^o 0					20. 14. 54 ^o 97			55 ^o 19	46 ^h 31 ^m	51 ^s 12				
	7	β Capricorni.....	SD							2 ^o 3	5 ^o 0	7 ^o 7	10 ^o 0	20. 14. 54 ^o 92			55 ^o 14	46 ^h 31 ^m	51 ^s 17				
	8	ϵ Delphini.....	SD	39 ^o 3	41 ^o 8	44 ^o 3	49 ^o 5	52 ^o 0	54 ^o 5	1 ^o 8	4 ^o 7	7 ^o 0	9 ^o 4	20. 27. 54 ^o 55			54 ^o 53	45 ^h 68 ^m	51 ^s 15				
	9	α Delphini.....	SD	12 ^o 2	14 ^o 7	17 ^o 3	22 ^o 3	24 ^o 9	27 ^o 7	35 ^o 0	37 ^o 7	40 ^o 3	42 ^o 8	20. 34. 27 ^o 61			27 ^o 55	18 ^h 69 ^m	51 ^s 14				
	10	α Delphini.....(E&E)	SD	18 ^o 8	34 ^o 4	49 ^o 7	5 ^o 0	20 ^o 0	35 ^o 5	51 ^o 1				20. 34. 27 ^o 53			27 ^o 47	18 ^h 69 ^m	51 ^s 22				
	11	θ Capricorni.....	SD	35 ^o 3	37 ^o 7	40 ^o 4	45 ^o 6	48 ^o 3	50 ^o 9	58 ^o 3	1 ^o 2	3 ^o 6	6 ^o 2	20. 59. 50 ^o 87			51 ^o 13	42 ^h 26 ^m	51 ^s 13				
	12	θ Capricorni.....(E&E)	SD		57 ^o 3	12 ^o 6	28 ^o 1	43 ^o 4	59 ^o 0					20. 59. 50 ^o 73			50 ^o 99	42 ^h 26 ^m	51 ^s 27				
	13	ζ Cygni.....	SD	50 ^o 4	53 ^o 3	55 ^o 8	1 ^o 8	4 ^o 7	7 ^o 7	15 ^o 9	18 ^o 8	21 ^o 8	24 ^o 4	21. 8. 7 ^o 59			7 ^o 37	58 ^h 61 ^m	51 ^s 24				
	14	α Equulei.....	SD							25 ^o 9	28 ^o 3	30 ^o 8	33 ^o 3	21. 10. 18 ^o 60			18 ^o 63	9 ^h 83 ^m	51 ^s 20				
	15	γ Geminorum.....	W	10 ^o 1	12 ^o 8	15 ^o 3	20 ^o 5	23 ^o 3	25 ^o 8	33 ^o 3	35 ^o 8	38 ^o 3	41 ^o 0	6. 31. 25 ^o 74			25 ^o 68	16 ^h 80 ^m	51 ^s 12	51 ^o 10	6. 32. 16 ^o 83		
	16	Castor.....	W	27 ^o 3	30 ^o 2	33 ^o 2	39 ^o 0	42 ^o 0	45 ^o 0	53 ^o 6	56 ^o 4	59 ^o 3	2 ^o 2	7. 27. 44 ^o 95			44 ^o 71	35 ^h 89 ^m	51 ^s 18	[+ 0.19]	7. 28. 35 ^o 87		
	17	Procyon.....	W	16 ^o 5	19 ^o 0	21 ^o 4	26 ^o 5	29 ^o 0	31 ^o 5	38 ^o 7	41 ^o 3	43 ^o 8	46 ^o 2	7. 33. 31 ^o 51			31 ^o 54	22 ^h 62 ^m	51 ^s 08			7. 34. 22 ^o 70	
	18	Pollux.....	W	25 ^o 7	28 ^o 4	31 ^o 3	37 ^o 0	39 ^o 9	42 ^o 5	50 ^o 8	53 ^o 7	56 ^o 3	59 ^o 3	7. 38. 42 ^o 62			42 ^o 43	33 ^h 57 ^m	51 ^s 14			7. 39. 33 ^o 59	
July 28	19	$\odot$ 1 L.....	W	3 ^o 2	5 ^o 7	8 ^o 2	13 ^o 7	16 ^o 2	19 ^o 0	26 ^o 5	29 ^o 3	31 ^o 8	34 ^o 6	8. 25. 18 ^o 94			25 ^o 85					8. 27. 17 ^o 02	
	20	$\odot$ 2 L.....	W	17 ^o 0	19 ^o 7	22 ^o 3	27 ^o 7	30 ^o 2	33 ^o 0	40 ^o 8	43 ^o 3	45 ^o 9	48 ^o 3	8. 27. 32 ^o 94									
	21	Mercury 1 L.....	W	17 ^o 1	19 ^o 5	22 ^o 0	27 ^o 0	29 ^o 7	32 ^o 3	39 ^o 7	42 ^o 1	44 ^o 7	47 ^o 0	9. 47. 32 ^o 23				32 ^o 22				9. 48. 23 ^o 73	
	22	$\odot$ 1 L.....	W	14 ^o 4	16 ^o 8	19 ^o 3	24 ^o 6	27 ^o 3	29 ^o 9	37 ^o 3	39 ^o 9	42 ^o 5	45 ^o 1	14. 10. 29 ^o 83			29 ^o 99				14. 12. 28 ^o 77		
	23	η Ophiuchi.....	W	54 ^o 3	56 ^o 9	59 ^o 4	4 ^o 7	7 ^o 2	9 ^o 8					17. 4. 9 ^o 81			10 ^o 05	1 ^h 29 ^m	51 ^s 24			17. 5. 1 ^o 29	
	24	η Ophiuchi.....	W							17 ^o 3	19 ^o 9	22 ^o 4	24 ^o 9	17. 4. 9 ^o 78			10 ^o 02	1 ^h 29 ^m	51 ^s 27			17. 5. 1 ^o 26	
	25	α^1 Herculis.....	W			22 ^o 0	27 ^o 2	29 ^o 7	32 ^o 4	39 ^o 7	42 ^o 4			17. 9. 32 ^o 33			32 ^o 29	23 ^h 52 ^m	51 ^s 23			17. 10. 23 ^o 53	
	26	α^1 Herculis.....	W							45 ^o 0	47 ^o 5	2 ^o 7	18 ^o 0	17. 9. 32 ^o 34			32 ^o 30	23 ^h 52 ^m	51 ^s 22			17. 10. 23 ^o 54	
	27	β Ophiuchi.....	W	45 ^o 3	47 ^o 9	50 ^o 3	55 ^o 5	58 ^o 0	0 ^o 5	7 ^o 7	10 ^o 2	12 ^o 7	15 ^o 2	17. 38. 0 ^o 45			0 ^o 48	51 ^h 75 ^m	51 ^s 27			17. 38. 51 ^o 72	
	28	μ Herculis.....	W	40 ^o 9	43 ^o 6	46 ^o 3	52 ^o 0	54 ^o 7	57 ^o 7	5 ^o 9	8 ^o 6	11 ^o 3	14 ^o 1	17. 41. 57 ^o 64			57 ^o 45	48 ^h 71 ^m	51 ^s 26			17. 42. 48 ^o 69	
	29	δ Ursæ Minoris.....	W	39 ^o 8	42 ^o 8	46 ^o 7	50 ^o 3	5 ^o 3	8 ^o 2	11 ^o 3	14 ^o 3	26 ^o 7	29 ^o 8	18. 2. 5 ^o 85			57 ^o 68	48 ^h 93 ^m	51 ^s 25				
	30	Uranus.....	W							45 ^o 7	48 ^o 4	51 ^o 2	7 ^o 2	18. 22. 35 ^o 14			35 ^o 47					18. 23. 26 ^o 72	
	31	λ Ursæ Minoris.....	W	22 ^o 3	25 ^o 7	28 ^o 7	32 ^o 4	46 ^o 1	49 ^o 3	52 ^o 5	55 ^o 7	8 ^o 4	12 ^o 3	19. 16. 13 ^o 47			45 ^o 68	37 ^h 22 ^m	51 ^s 54				
	32	Groombridge 1119 S.P.....	W	6 ^o 7	9 ^o 8	13 ^o 4	17 ^o 3	31 ^o 7	34 ^o 5	38 ^o 3	41 ^o 4	53 ^o 0	56 ^o 3	20. 2. 11 ^o 70			37 ^o 30	28 ^h 90 ^m	51 ^s 60				
	33	θ Aquilæ.....	W		25 ^o 9	28 ^o 3	33 ^o 2	35 ^o 7	38 ^o 3	45 ^o 7	48 ^o 1	50 ^o 5		20. 5. 38 ^o 33			38 ^o 42	29 ^h 69 ^m	51 ^s 27			20. 6. 29 ^o 68	
July 29	34	$\odot$ 2 L.....	W	12 ^o 5	15 ^o 0	17 ^o 6	22 ^o 8	25 ^o 6	28 ^o 2	35 ^o 9	38 ^o 5	41 ^o 0	43 ^o 7	8. 31. 28 ^o 20			28 ^o 11			51 ^o 29		8. 31. 12 ^o 58	
July 30	35	$\odot$ 1 L.....	S	53 ^o 5	55 ^o 8	58 ^o 3	3 ^o 9	6 ^o 3	9 ^o 0	16 ^o 8	19 ^o 3	21 ^o 7	24 ^o 5	8. 33. 9 ^o 03	+ 0.11		15 ^o 69			51 ^o 59		8. 35. 7 ^o 36	
	36	$\odot$ 2 L.....	S	7 ^o 3	9 ^o 7	12 ^o 3	17 ^o 5	20 ^o 1	22 ^o 7	30 ^o 5	33 ^o 2	35 ^o 8	38 ^o 3	8. 35. 22 ^o 86	(- 6.96)					[+ 0.22]			
	37	Venus 1 L.....	S	3 ^o 3	5 ^o 8	8 ^o 1	13 ^o 2	15 ^o 7	18 ^o 2	25 ^o 6	28 ^o 1	30 ^o 5	33 ^o 0	11. 12. 18 ^o 27	[+ 3.62]			18 ^o 12				11. 13. 10 ^o 37	
	38	β Leonis.....	S							24 ^o 4	32 ^o 1	34 ^o 7	37 ^o 2	39 ^o 8	11. 43. 24 ^o 57			24 ^o 34	16 ^h 03 ^m	51 ^s 69			
	39	α Coronæ.....	S	35 ^h 7	38 ^h 3	41 ^h 2	46 ^h 8	49 ^h 5	52 ^h 3	0 ^h 5	3 ^h 3	5 ^h 8	8 ^h 7	15. 29. 52 ^o 34			51 ^o 99	43 ^h 67 ^m	51 ^s 68				

1908
MONTH
DAY

MONTH DAY	No. for Reference	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparent- ly Slow.	Adopted Clock Slow at α Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.	
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		h	m						s
				s	s	s	s	s	s	s	s	s	s									
July 31	1	24 Scorpii	SE	2.5	5.0	7.7	13.0	15.5	18.0	...	28.1	30.8	33.4	16.35.18.08	+ 0.11		18.15			51.80	16.36.10.10	
	2	Piazzii XVI. 232	SE	30.7	33.2	35.8	41.1	43.6	46.1	53.7	56.1	58.9	1.4	16.49.46.18	(- 6.96)		46.24			[+ 0.21]	16.50.38.19	
	3	ϵ Herculis.....r	SE	34.3	37.3	39.9	46.0	49.0	51.9	...	...	...	...	16.55.51.80	[+ 3.62]		51.40	43.25	51.85		16.56.43.35	
	4	ϵ Herculis.....d	SE	...	...	...	...	...	...	0.1	3.3	6.1	9.0	16.55.51.86			51.46	43.25	51.79		16.56.43.41	
	5	η Ophiuchi.....	SE	...	56.1	58.8	3.9	6.6	9.4	16.5	19.4	21.9	...	17.4.9.19			9.24	1.27	52.03		17.5.1.19	
	6	δ I L.....	SE	18.0	20.3	23.3	28.7	31.4	34.3	42.3	44.8	47.8	50.3	17.8.34.24			34.33				17.10.38.34	
	7	θ Ophiuchi.....	SE	8.0	10.6	13.3	18.9	21.5	24.3	32.3	35.0	37.9	40.3	17.15.24.33			24.48	16.45	51.97		17.16.16.43	
	8	Lalande 31611	SE	1.3	3.9	6.7	11.8	14.1	16.9	24.7	27.3	29.8	32.3	17.18.17.00			17.08				17.19.9.03	
	9	δ Ursæ Minoris.....	SE	36.6	43.0	51.9	15.0	22.2	35.0	41.2	46.8	7.5	15.8	18.2.4.48			55.81	48.04	52.23		.....	
	10	η Serpentis.....	SE	...	24.3	26.9	31.8	34.3	37.0	44.2	46.8	49.0	...	18.15.36.91			36.85	28.93	52.08		18.16.28.81	
	11	Uranus.....	SE	52.8	55.3	58.0	3.5	6.3	8.9	17.0	19.6	22.3	25.0	18.22.8.99			9.13				18.23.1.09	
	12	2 Aquilæ.....	SE	...	5.5	7.8	13.0	15.7	18.2	25.2	27.8	30.3	...	18.36.18.06			18.15	9.96	51.81		18.37.10.11	
	13	Cephei 51 S.P.....	SE	43.1	49.3	54.8	14.4	19.9	26.7	45.8	52.4	57.3	2.4	18.55.22.03			32.25	24.55	52.30		.....	
	14	ω Aquilæ.....	SE	19.7	21.9	24.4	29.7	32.3	34.7	42.1	45.0	47.5	49.9	19.12.34.84			34.65	26.56	51.91		19.13.26.62	
	15	λ Ursæ Minoris.....	SE	5.2	13.8	24.7	51.9	58.9	4.7	23.3	30.3	39.3	...	19.16.12.85			43.68	35.26	51.58		.....	
	16	γ Aquilæ.....	SE	42.8	45.3	47.8	53.0	55.4	57.9	5.0	7.8	10.2	12.7	19.40.57.91			57.73	49.80	52.07		19.41.49.70	
	17	Groombridge 3548.....	SE	34.2	43.2	3.5	26.7	36.0	44.3	4.3	15.2	21.9	31.9	21.18.5.40			56.66	49.14	52.48		.....	
	18	β Aquarii.....	SE	32.0	34.4	36.9	41.9	44.5	47.0	54.2	56.8	59.3	1.9	21.25.47.01			46.98	39.02	52.04		21.26.38.97	
	19	α Aquarii.....	SE	52.8	55.2	57.9	2.6	5.1	7.8	14.9	17.5	19.8	22.3	22.0.7.71			7.63	59.65	52.02		22.0.59.62	
	20	η Aquarii.....	SE	27.0	29.4	31.9	37.0	39.3	41.9	49.1	51.7	54.0	56.4	22.29.41.89			41.81	33.78	51.97		22.30.33.81	
	21	Fomalhaut.....	SE	20.1	23.2	25.9	31.7	34.5	37.3	45.8	48.7	51.4	54.3	22.51.37.42			37.63	29.68	52.05		22.52.29.63	
	22	α Pegasi.....	SE	59.8	2.0	4.7	9.9	12.3	15.0	22.3	25.0	27.7	30.2	22.59.15.01			14.79	6.85	52.06		23.0.6.79	
	23	Saturn 1 L.....	SE	11.9	14.2	...	21.8	24.1	...	34.0	36.5	...	...	23.3.26.76			} 27.38				23.4.19.38	
	24	Saturn 2 L.....	SE	...	15.5	17.9	...	25.5	27.9	...	40.3	42.6	23.3.27.99									
	25	Procyon.....	W	15.9	18.2	20.7	25.7	28.3	30.7	38.0	40.4	43.0	45.5	7.33.30.76	(- 6.51)		30.67	22.68	52.01	51.98	7.34.22.68	
														[+ 4.15]					[+ 0.09]			
Aug. 1	26	δ Leonis.....	W	58.8	1.4	4.1	9.7	12.2	14.8	...	...	...	...	11.8.14.84			14.60	6.53	51.93		11.9.6.62	
	27	Venus 1 L.....	W	21.9	24.3	26.6	31.8	34.3	37.0	44.1	46.7	49.2	51.6	11.20.36.87			36.78				11.21.29.37	
	28	β Leonis.....	W	8.7	11.3	13.8	19.2	21.7	24.3	31.8	34.2	36.8	39.3	11.43.24.23			24.05	16.02	51.97		11.44.16.07	
	29	ϵ Virginis.....	W	23.3	25.8	28.3	33.7	36.0	38.4	45.8	48.4	50.9	53.4	12.56.38.52			38.38	30.32	51.94		12.57.30.41	
	30	Spica.....	W	8.0	10.4	13.0	18.0	20.5	23.2	30.4	33.0	35.5	38.0	13.19.23.12			23.18	15.17	51.99		13.20.15.21	
	31	Polaris S.P.....	W	11.7	14.5	17.4	20.7	23.6	26.4	33.9	42.8	45.7	55.4	13.24.35.56			59.68	52.50	52.82		.....	
	32	θ Ophiuchi.....	B	7.8	10.4	13.0	18.5	21.2	24.0	31.9	34.7	37.6	40.3	17.15.24.06			24.26	16.44	52.18		.....	
	33	Lalande 31611	W	1.0	3.6	6.3	11.6	14.2	16.7	24.3	27.2	29.6	32.3	17.18.16.80			16.93			52.09	17.19.8.97	
	34	σ Ophiuchi.....	B	46.0	48.4	50.8	55.9	58.4	0.9	8.2	10.8	13.2	15.6	17.21.0.94			0.86	52.97	52.11	52.09	.....	
	35	α Ophiuchi.....d	W	29.0	31.6	34.0	39.3	41.7	44.3	...	...	...	...	17.29.44.31			44.15	36.18	52.03	51.98	17.30.36.20	
	36	α Ophiuchi.....r	W	...	...	...	...	...	...	51.7	54.3	56.7	59.3	17.29.44.30			44.14	36.18	52.04		17.30.36.19	
	37	β Ophiuchi.....r	W	45.1	47.4	49.7	54.9	57.3	59.7	...	...	...	...	17.37.59.85			59.77	51.72	51.95		17.38.51.82	
	38	β Ophiuchi.....d	W	...	...	...	...	...	...	6.7	9.4	11.8	14.3	17.37.59.58			59.50	51.72	52.22		17.38.51.55	
	39	Mayer 722.....	W	17.7	20.2	22.8	28.1	30.7	33.3	41.0	43.5	46.1	48.7	17.49.33.33			33.46				17.50.25.51	
	40	δ Ursæ Minoris.....	W	0.2	3.5	7.0	10.0	13.8	16.7	19.9	23.1	26.5	29.7	18.2.4.16			55.54	47.70	52.16		.....	
	41	δ I L.....	W	8.0	10.6	13.3	19.0	21.7	24.5	32.5	35.3	37.9	40.6	18.12.24.46			24.62				18.14.29.40	
	42	Mösting A.....	W	...	...	...	40.0	43.0	45.8	53.8	...	...	...	18.13.45.72			45.88				18.14.29.24	
	43	Uranus.....	W	44.3	46.9	49.7	55.2	57.8	0.3	8.4	11.2	13.9	16.4	18.22.0.53			0.72				18.22.52.77	
	44	Cephei 51 S.P.....	W	45.2	48.8	52.1	55.6	12.0	15.1	18.8	22.2	26.7	41.2	18.55.21.98			32.25	24.88	52.63		.....	
	45	λ Ursæ Minoris.....	W	25.3	29.0	32.4	35.3	49.0	52.1	55.2	58.0	8.3	11.3	19.16.10.96			41.83	34.44	52.61		.....	
	46	ϵ Sagittarii.....	W	15.0	17.6	20.1	25.5	28.1	30.7	38.0	40.7	43.3	45.8	19.34.30.60			30.71	22.82	52.11		19.35.22.76	
	47	Groombridge 1119 S.P....	W	2.0	5.8	9.0	13.0	28.4	31.9	35.0	38.2	52.9	56.2	20.2.12.93			39.56	30.51	50.95		.....	
	48	α Orionis.....	SD	58.0	0.3	2.8	8.0	10.5	13.0	20.2	23.0	25.4	27.9	5.49.13.03	(- 6.79)		12.99	5.07	52.08	52.07	.....	
														[+ 5.82]					[+ 0.07]			
Aug. 2	49	Venus 1 L.....	SD	29.9	32.2	34.7	39.8	42.2	44.9	52.0	54.7	57.3	59.7	11.24.44.86			44.84				11.25.37.51	
	50	ϵ Sagittarii.....	WB	15.2	17.7	20.2	25.7	28.1	30.8	38.1	40.8	43.3	46.0	19.34.30.71			30.92	22.82	51.90	51.90	.....	
	51	γ Aquilæ.....	WB	42.7	45.3	47.8	52.8	55.3	57.8	5.1	7.8	10.3	12.7	19.40.57.88			57.80	49.80	52.00		.....	
	52	α Aquilæ.....	WB	7.2	9.7	12.0	17.3	19.8	22.2	29.5	32.1	34.6	37.1	19.45.22.27			22.21	14.19	51.98		.....	

Corrections for passage of Semidiameter, Nos. 6, 27, 41, and 49, +72.805: +0.857: +72.872: and +0.857.

- 6, 41. Correction to R.A. on true meridian +0.801.
9. Observed over wire T with the transit-micrometer set to readings 36^r759, 36^r912, 37^r151, 37^r670, 37^r863, 38^r179, 38^r319, 38^r464, 38^r918, 39^r152.
13. Observed over wire P with the transit-micrometer set to readings 35^r881, 35^r750, 35^r636, 35^r261, 35^r188, 34^r993, 34^r602, 34^r502, 34^r401, 34^r290.
15. Observed over wire T with the transit-micrometer set to readings 36^r390, 36^r421, 36^r506, 36^r694, 36^r727, 36^r787, 36^r931, 36^r976, 37^r040.
17. Observed over wire U with the transit-micrometer set to readings 35^r181, 35^r403, 35^r879, 36^r407, 36^r632, 36^r846, 37^r301, 37^r579, 37^r730, 37^r961.
26. Faint, and extremely unsteady.
31. Observed over wire X with the transit-micrometer set to readings 36^r333, 36^r360, 36^r333, 36^r321, 36^r163, 36^r150, 36^r102, 36^r094, 36^r000, 35^r972.
40. Observed over wire X with the transit-micrometer set to readings 37^r151, 37^r230, 37^r306, 37^r388, 37^r471, 37^r540, 37^r632, 37^r693, 37^r788, 37^r872.
42. Reduction to D's centre at time of transit of crater - 8.31. A further correction of - 0.838 has been applied to reduce to time of transit of D's centre on true meridian.
44. Observed over wire Q with the transit-micrometer set to readings 36^r060, 36^r003, 35^r922, 35^r864, 35^r532, 35^r466, 35^r404, 35^r300, 35^r007, 34^r927.
45. Observed over wire X with the transit-micrometer set to readings 36^r953, 36^r986, 37^r006, 37^r018, 37^r104, 37^r121, 37^r130, 37^r153, 37^r247, 37^r260.
47. Observed over wire T with the transit-micrometer set to readings 37^r468, 37^r441, 37^r403, 37^r388, 37^r262, 37^r239, 37^r224, 37^r184, 37^r080, 37^r057.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at oh Sideral and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Aug. 2	1	β Aquilæ.....	SD	37°0	39°5	41°9	46°9	49°5	52°1	59°3	1°6	4°3	6°8	19. 49. 52°01	+ 0°11	51°98	44°12	52°14	52°07	.....
	2	Groombridge 1119 S.P.....	SD	46°7	54°0	3°8	22°2	29°8	37°7	54°2	0°4	11°0	19°3	20. 2. 7°86	(- 6°79)	38°91	31°07	52°16	[+ 0°07]	... ..
Aug. 3	3	Venus I L.....	J	37°2	39°8	42°2	47°3	50°0	52°5	59°5	2°2	4°7	7°2	11. 28. 52°38	(- 7°07)	52°29			51°62	11. 29. 44°58
	4	β Leonis.....	J	9°0	11°4	14°0	19°2	21°8	24°3	31°8	34°4	37°0	39°6	11. 43. 24°37	[+ 4°47]	24°17	16°01	51°84	[+ 0°20]	11. 44. 15°89
	5	Spica.....	W	7°7	10°2	12°7	17°8	20°3	22°8	30°3	32°8	35°3	38°3	13. 19. 22°94		23°00	15°14	52°14	52°09	.....
	6	κ Ophiuchi.....	WB	7°7	10°1	12°5	17°7	20°1	22°7	30°0	32°5	35°0	37°6	16. 52. 22°71	+ 0°18	22°67	14°84	52°17	51°99	.....
	7	ϵ Herculis.....	WB	33°9	36°8	39°8	45°7	48°3	51°3	59°9	2°7	5°8	8°6	16. 55. 51°41	(- 6°11)	51°13	43°21	52°08		.....
	8	α Ophiuchi.....	J	29°3	31°7	34°2	39°4	41°8	44°4	51°9	54°3	56°8	59°4	17. 29. 44°44	[+ 5°67]	44°37	36°16	51°79	51°62	17. 30. 36°14
	9	δ Ursæ Minoris.....	J	29°2	33°3	37°6	49°9	53°6	57°3	9°7	13°4	16°9	27°8	18. 2. 4°16		55°02	47°04	52°02		.....
	10	α Aquilæ.....	J	3°1	5°6	7°9	13°2	15°7	...	25°3	27°8	30°3	32°9	18. 36. 18°11		18°25	9°94	51°69		18. 37. 10°03
	11	Cephei 51 S.P.....	J	55°8	0°4	5°1	20°6	25°5	30°4	43°0	46°3	50°3	4°0	18. 55. 22°49		33°59	25°57	51°98		.....
	12	ζ Aquilæ.....	J	...	...	...	10°8	13°3	15°9	23°3	26°0	28°4	31°0	19. 0. 15°92		15°84	7°64	51°80		19. 1. 7°62
	13	λ Ursæ Minoris.....	J	58°5	5°8	10°1	15°3	19°4	22°8	26°7	30°3	33°7	37°4	19. 16. 11°43		40°32	32°74	52°42		.....
	14	ϵ^1 Sagittarii.....	W	14°7	17°3	19°9	25°2	27°8	30°2	37°8	40°2	43°0	45°7	19. 34. 30°30		30°51	22°82	52°31	52°09	.....
	15	f Sagittarii.....	J	47°3	50°0	52°4	57°9	0°4	3°2	10°7	13°7	16°2	18°8	19. 40. 3°18		3°43			51°62	19. 40. 55°21
	16	Groombridge 1119 S.P.....	J	59°7	3°8	8°2	22°9	26°4	29°3	41°3	44°4	47°7	59°2	20. 2. 10°45		39°06	31°65	52°59		.....
	17	δ I L.....	J	28°5	30°9	33°7	39°3	41°8	44°8	52°6	55°2	58°0	0°7	20. 19. 44°67		44°02				20. 21. 47°90
	18	Mösting A.....	J	...	...	...	56°8	2°5	5°1	7°8	15°6	18°3	...	20. 21. 7°78		8°03				20. 21. 47°92
	19	ι Capricorni.....	J	55°6	58°0	0°6	6°2	8°6	11°2	18°7	21°3	23°9	26°7	21. 16. 11°20		11°42	3°26	51°84		21. 17. 3°21
	20	β Aquarii.....	J	32°2	34°5	37°0	42°1	44°5	47°0	54°3	57°0	59°4	1°9	21. 25. 47°11		47°22	39°05	51°83		21. 26. 39°01
	21	16 Pegasi.....	J	41°4	44°2	46°8	52°3	55°2	58°0	6°1	8°9	11°6	14°1	21. 47. 58°09		57°88	49°57	51°09		21. 48. 49°68
Aug. 4	22	$\odot$ 1 L.....	GC	18°7	21°2	23°8	29°2	...	...	41°9	44°5	47°2	...	8. 52. 34°34	(- 5°90)	40°56			52°26	8. 54. 32°87
	23	$\odot$ 2 L.....	GC	31°4	33°9	36°6	41°8	44°3	47°0	54°7	57°4	59°8	2°3	8. 54. 47°04	[+ 4°80]				[+ 0°13]	.....
	24	η Serpentis.....	GC	21°7	23°9	26°3	31°6	34°0	36°3	43°7	46°1	48°7	51°2	18. 15. 36°47		36°52	28°91	52°39		.....
	25	α Lyrae.....	GC	36°5	39°6	42°8	49°3	52°3	55°7	4°9	8°2	11°3	14°4	18. 32. 55°64		55°26	47°55	52°29		.....
	26	2 Aquilæ.....	S	2°2	4°8	7°1	12°3	14°8	17°3	24°7	27°2	29°7	32°1	18. 36. 17°34		17°44	9°94	52°50	52°40	.....
	27	Cephei 51 S.P.....	GC	24°1	38°5	50°2	56°8	8°7	16°9	22°8	30°0	37°7	44°5	18. 55. 23°16		33°27	25°90	52°63	52°26	.....
	28	ζ Aquilæ.....	GC	0°0	2°7	5°2	10°1	12°7	15°3	22°7	25°3	28°0	30°4	19. 0. 15°34		15°24	7°64	52°40		.....
	29	ω Aquilæ.....	S	18°9	21°3	23°8	29°0	31°7	34°2	41°6	44°1	46°5	49°0	19. 12. 34°13		34°05	26°55	52°50	52°40	.....
	30	α Vulpeculæ.....	GC	41°6	44°0	46°7	52°3	55°1	57°8	5°8	8°5	11°0	13°9	19. 23. 57°80		57°60	49°97	52°37	52°26	.....
	31	Groombridge 1119 S.P.....	GC	21°0	34°0	55°7	7°0	24°3	39°9	52°8	7°5	15°0	32°7	20. 2. 14°35		40°44	32°21	51°77		.....
	32	19 Capricorni.....	GC	23°6	26°0	28°7	33°8	36°4	39°2	46°8	49°4	52°0	54°6	20. 48. 39°17		39°35				20. 49. 31°72
	33	21 Capricorni.....	GC	28°8	31°2	33°8	39°2	41°8	44°2	52°0	54°5	57°1	59°9	20. 54. 44°37		44°55				20. 55. 36°92
	34	δ 2 L.....	GC	12°7	15°0	17°7	23°0	25°9	28°4	36°1	38°9	41°4	44°2	21. 22. 28°45		28°62				21. 22. 11°71
	35	μ Capricorni.....	GC	...	7°3	9°7	15°0	17°4	20°1	27°7	30°2	32°7	...	21. 47. 20°13		20°27				21. 48. 12°65
Aug. 5	36	Groombridge 3548.....	W	3°3	8°6	13°4	18°7	39°9	44°8	49°4	55°7	12°6	18°8	21. 18. 4°97	(- 5°59)	56°45	48°93	52°48	52°40	.....
	37	ξ Aquarii.....	W	39°6	42°1	44°7	49°7	51°9	54°7	2°0	4°4	7°1	9°6	21. 31. 54°70	[+ 5°33]	54°82	47°30	52°48	[+ 0°11]	.....
	38	Mösting A.....	W	22°2	24°7	27°2	32°6	35°3	37°8	45°7	48°2	50°8	53°3	22. 18. 37°90		38°07				22. 19. 16°40
	39	δ 2 L.....	W	15°3	17°9	20°3	25°8	28°2	31°0	38°6	41°3	43°9	46°4	22. 19. 30°99		31°16				22. 19. 16°46
	40	74 Aquarii.....	W	26°0	28°6	31°0	36°3	38°7	41°3	48°8	51°3	53°9	56°3	22. 47. 41°34		41°50				22. 48. 34°00
	41	Fomalhaut.....	W	19°7	22°4	25°3	31°3	33°9	37°0	45°3	48°0	51°1	53°9	22. 51. 36°92		37°27	29°79	52°52		.....
	42	α Pegasi.....	W	59°2	1°7	4°1	9°3	12°0	14°5	22°0	24°5	27°0	29°6	22. 59. 14°51		14°43	6°94	52°51		.....
Aug. 6	43	$\odot$ 1 L.....	W	0°3	2°9	5°4	10°6	13°0	15°7	23°6	26°1	28°6	31°3	9. 0. 15°87	(- 5°81)	22°02			52°51	9. 2. 14°57
	44	$\odot$ 2 L.....	W	12°8	15°3	17°9	23°2	25°8	28°3	35°9	38°7	41°3	43°7	9. 2. 28°41	[+ 5°02]				[+ 0°13]	.....
	45	74 Aquarii.....	S	26°0	28°4	30°8	36°1	38°5	41°3	48°3	51°0	53°6	56°1	22. 47. 41°13		41°28				22. 48. 34°02
	46	α Pegasi.....	S	58°8	1°4	3°9	9°1	11°7	14°3	21°7	24°4	26°8	29°4	22. 59. 14°27		14°18	6°96	52°78		.....
	47	κ Piscium.....	S	1°3	3°7	6°2	11°3	13°7	16°2	23°4	26°0	28°3	30°7	23. 21. 16°20		16°23	8°95	52°72		.....
	48	Bradley 3147.....	S	6°7	19°0	27°3	38°2	48°3	57°8	7°2	16°4	24°6	34°3	23. 27. 28°85		19°75	12°48	52°73		.....
	49	Mayer 1012.....	S	36°7	39°3	41°6	46°7	49°3	51°8	59°0	1°7	4°1	6°4	23. 42. 51°78		51°88				23. 43. 44°63
	50	2 Ceti.....	S	...	51°4	54°0	59°3	1°8	4°5	12°0	14°6	17°3	...	23. 58. 4°48		4°68	57°41	52°73		.....

Corrections for passage of Semidiameter, Nos. 3, 17, 34, and 39, +0°57: +7°17: -69°30: and -67°21.

2. Observed over wire W with the transit-micrometer set to readings 36°307, 36°248, 36°180, 36°015, 35°964, 35°916, 35°785, 35°737, 35°651, 35°588.
 Aug. 3^d 4^h. A new horizontal wire inserted.
 9. Observed over wire X with the transit-micrometer set to readings 42°140, 42°242, 42°347, 42°643, 42°720, 42°842, 43°119, 43°218, 43°306, 43°553.
 11. Observed over wire S with the transit-micrometer set to readings 36°383, 36°258, 36°177, 35°807, 35°767, 35°672, 35°413, 35°338, 35°279, 35°023.
 13. Observed over wire X with the transit-micrometer set to readings 35°909, 35°938, 35°979, 36°020, 36°063, 36°087, 36°099, 36°113, 36°153, 36°179.
 16. Observed over wire T with the transit-micrometer set to readings 37°468, 37°437, 37°422, 37°293, 37°254, 37°234, 37°153, 37°113, 37°090, 37°017.
 17. Correction to R.A. on true meridian +0°02.
 18. Reduction to D's centre at time of transit of crater, -11°39. A further correction of -0°51 has been applied to reduce to time of transit of D's centre on true meridian.
 27. Observed over wire R with the transit-micrometer set to readings 35°617, 35°355, 35°100, 34°972, 34°730, 34°557, 34°447, 34°288, 34°138, 34°013.
 31. Observed over wire R with the transit-micrometer set to readings 35°656, 35°552, 35°392, 35°310, 35°160, 35°042, 34°838, 34°776, 34°660.
 34. Correction to R.A. on true meridian, +0°01. 36. Observed over wire X with the transit-micrometer set to readings 44°250, 44°357, 44°480, 44°624, 45°097, 45°226, 45°340, 45°473, 45°907, 46°033. 38. Reduction to D's centre at time of transit of crater -13°55. A further correction of -0°62 has been applied to reduce to time of transit of D's centre on true meridian. 39. Correction to R.A. on true meridian +0°01. Paint; observed through cloud. 43, 44. Very unsteady and ill-defined.
 48. Observed over wire T with the transit-micrometer set to readings 36°851, 37°103, 37°354, 37°585, 37°772, 38°006, 38°232, 38°460, 38°676, 38°862.

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MONTH AND DAY.	No. for Reference.	NAME OF OBJECT.	Observer	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Aug. 6	1	α Andromedæ.....	S	24.2	27.2	30.0	35.8	38.5	41.4	49.6	52.3	55.2	58.0	0. 2. 41.35	+ 0.18	41.11	33.89	52.78	52.75	.....
	2	γ Pegasi.....	S	17.7	20.2	22.7	28.0	30.4	33.0	40.4	43.2	45.7	48.2	0. 7. 33.07	+ 5.02	32.98	25.71	52.73	+ 0.13	.....
Aug. 7	3	β Ophiuchi.....	HA	44.2	46.5	49.0	54.1	56.7	59.0	6.6	8.9	11.3	13.8	17. 37. 59.13	(- 6.17)	59.12	51.67	52.55	52.52	.....
	4	δ Ursæ Minoris.....	HA	42.5	54.3	12.3	19.2	31.3	38.3	53.3	0.5	13.3	19.3	18. 2. 2.63	+ 5.44	53.57	45.84	52.27	+ 0.08	.....
	5	γ 2 Ophiuchi.....	HA	48.0	50.4	52.9	58.0	0.4	3.2	10.4	13.0	15.4	17.8	18. 2. 3.07		3.02	55.62	52.60		18. 22. 6.13
	6	Uranus.....	HA	57.0	59.7	2.3	7.9	10.4	13.4	21.2	23.9	26.5	29.2	18. 21. 13.27		13.55				
	7	α Lyrae.....	HA	36.2	39.2	42.5	49.1	52.1	55.3	4.8	7.9	11.0	14.0	18. 32. 55.35		54.95	47.51	52.56		
	8	Cephei 51 S.P.....	HA	59.3	7.3	25.2	31.9	44.6	51.7	4.8	10.9	21.9	31.3	18. 55. 23.80		34.78	26.81	52.03		
	9	ζ Aquilæ.....	HA	59.9	2.2	4.7	10.0	12.4	15.1	22.5	25.1	27.8	30.3	19. 0. 15.12		15.03	7.63	52.60		
	10	δ Aquilæ.....	HA	40.3	42.8	45.3	50.3	52.8	55.3	2.6	5.1	7.6	10.0	19. 19. 55.33		55.34	47.88	52.54		
	11	Groombridge 1119 S.P.....	HA	1.5	8.3	38.0	44.5	57.6	3.3	20.8	28.5	41.3	47.4	20. 2. 12.49		40.81	33.68	52.87		
	12	α Delphini.....	HA	11.0	13.3	15.8	21.1	23.6	26.3	33.9	36.3	39.0	41.4	20. 34. 26.29		26.18	18.76	52.58		
	13	α Equulei.....	HA	2.5	4.9	7.4	12.3	14.8	17.2	24.5	27.1	29.7	32.0	21. 10. 17.36		17.35	9.94	52.59		
	14	Groombridge 3548.....	HA	2.8	14.8	27.8	35.4	47.8	54.8	8.2	14.5	26.8	34.1	21. 18. 5.63		56.49	48.87	52.38		
	15	ξ Aquarii.....	WB	39.6	41.9	44.3	49.4	51.9	54.5	1.8	4.3	6.7	9.3	21. 31. 54.49		54.61	47.33	52.72	52.66	
	16	ϵ Pegasi.....	WB	28.8	31.3	33.8	38.8	41.3	44.0	51.3	53.8	56.3	58.8	21. 38. 43.94		43.89	36.62	52.73		
	17	δ Capricorni.....	HA	45.3	47.9	50.3	55.7	58.3	1.0	8.4	11.0	13.6	16.2	21. 41. 0.89		1.09	53.67	52.58	52.52	
	18	δ Piscium.....	J	1.8	4.2	6.7	11.8	14.1	16.7	23.9	26.5	29.0	31.5	23. 34. 16.74		16.73	9.05	52.32	52.22	
	19	Mayer 1012.....	J	37.4	39.8	42.0	47.1	49.8	52.2	59.7	2.0	4.4	7.0	23. 42. 52.26		52.37				23. 43. 44.67
	20	ω Piscium.....	J	23.8	26.2	28.7	33.8	36.2	38.8	46.2	48.3	51.0	53.6	23. 53. 38.78		38.76	31.09	52.33		
	21	δ 2 L.....	J	0.3	3.0	5.6	10.8	13.4	15.8	23.3	26.0	28.4	30.8	0. 4. 15.86		15.95			52.30	0. 4. 4.50
	22	γ Pegasi.....	J	18.0	20.6	23.0	28.3	31.1	33.8	41.1	43.8	46.1	48.7	0. 7. 33.57		33.47	25.73	52.26		
	23	Bradley 1672 S.P.....	J	6.7	11.2	15.6	28.7	33.0	37.0	50.1	53.7	58.2	10.1	0. 12. 36.57		53.90	45.99	52.09		
Aug. 8	24	$\odot$ 1 L.....	SD	39.8	42.3	45.0	50.3	52.8	55.5	2.8	5.7	8.3	10.8	9. 7. 55.45	(- 6.78)	1.39			52.81	9. 9. 54.24
	25	$\odot$ 2 L.....	SD	...	...	...	...	...	...	17.9	20.3	22.8	25.4	9. 10. 7.62	+ 5.54	16.61			+ 0.10	11. 50. 10.06
	26	Venus 1 L.....	SD	1.7	4.1	6.6	11.5	14.1	16.6	23.8	26.3	28.7	31.4	11. 49. 16.60		22.21	15.08	52.87		
	27	Spica.....	SD	...	...	11.7	17.0	19.5	22.1	29.6	32.0	...	...	13. 19. 22.08		6.91	58.74	51.83		
	28	Polaris S.P.....	SD	4.6	10.1	16.4	30.8	35.7	40.3	56.0	1.3	8.3	23.3	13. 24. 39.59		1.98	54.81	52.83		
	29	ζ Virginis.....	SD	47.0	49.4	51.9	57.0	59.4	2.0	9.2	11.7	14.1	16.7	13. 29. 1.96		54.61	47.50	52.89	52.79	
	30	α Lyrae.....	B	36.1	39.0	42.1	48.7	51.9	55.1	4.3	7.6	10.7	13.8	18. 32. 55.06		17.07	9.92	52.85		
	31	α Aquilæ.....	B	2.0	4.3	6.8	11.9	14.3	17.0	24.2	26.8	29.2	31.8	18. 36. 16.95		45.81	38.76	52.95	52.81	
	32	β^1 Lyrae.....	SD	28.3	31.3	34.2	40.1	43.2	46.2	54.8	57.9	0.8	3.7	18. 45. 46.18		30.72	23.58	52.86		
	33	ϵ Aquilæ.....	SD	15.6	18.0	20.4	25.7	28.3	30.9	38.3	40.8	43.3	46.0	18. 54. 30.85		33.80	27.09	53.29		
	34	Cephei 51 S.P.....	SD	54.3	59.7	3.2	7.0	11.0	15.2	18.2	21.8	26.0	29.3	18. 55. 22.13						
Aug. 9	35	$\odot$ 1 L.....	S	28.8	...	...	...	...	44.2	51.7	54.2	57.0	59.4	9. 11. 44.21	(- 6.53)	50.09			52.92	9. 13. 43.06
	36	$\odot$ 2 L.....	S	40.7	43.1	45.8	51.0	53.7	56.2	3.7	6.3	8.8	11.3	9. 13. 56.18	+ 5.89	37.30	30.23	52.93	+ 0.12	
	37	ϵ Virginis.....	S	22.0	24.6	27.0	32.3	34.7	37.7	44.7	47.3	49.8	52.3	12. 56. 37.36		54.87	47.88	53.01		
	38	δ Aquilæ.....	S	40.0	42.3	44.7	49.9	52.2	54.9	2.0	4.7	7.0	9.5	19. 19. 54.84		56.70	49.80	53.10		
	39	γ Aquilæ.....	S	41.7	44.1	46.4	51.7	54.1	56.8	4.0	6.7	9.1	11.7	19. 40. 56.75		41.49	34.56	53.07		
	40	Groombridge 1119 S.P.....	S	26.0	48.6	59.9	10.8	21.3	29.9	39.2	51.7	0.3	7.7	20. 2. 10.81						
Aug. 10	41	Mösting A.....	SD	...	...	...	...	...	45.2	48.0	50.7	53.0	2. 27. 37.92	(- 5.92)	37.90			53.18	2. 28. 19.03	
	42	δ 2 L.....	SD	...	...	...	...	...	25.8	28.4	35.8	38.3	41.0	2. 28. 28.37	+ 8.08	28.35			+ 0.02	2. 28. 19.20
	43	γ^2 Ceti.....	SD	18.8	21.3	23.8	29.0	31.3	33.8	41.0	43.7	46.0	48.4	2. 37. 33.83		33.85	27.02	53.17		
	44	μ Ceti.....	SD	44.7	47.3	49.7	54.7	57.3	59.8	7.3	9.7	12.2	14.5	2. 38. 59.84		59.80				2. 39. 52.98
	45	α Ceti.....	SD	15.0	17.4	19.8	24.8	27.4	29.8	37.1	39.7	42.0	44.5	2. 56. 29.87		29.88	23.06	53.18		
Aug. 11	46	ω Aquilæ.....	HA	18.4	20.9	23.4	28.5	31.1	33.9	41.0	43.6	45.9	48.7	19. 12. 33.66	(- 5.44)	33.59	26.52	52.93	52.94	.....
	47	λ Ursæ Minoris.....	HA	6.5	19.6	32.2	39.8	5.0	57.0	6.5	20.9	27.7	39.8	19. 16. 1.07	+ 4.75	33.95	26.85	52.90	- 0.02	.....
	48	γ Aquilæ.....	HA	41.9	44.2	46.7	51.9	54.3	57.0	4.3	6.8	9.3	11.8	19. 40. 56.94		56.88	49.79	52.91		

Corrections for passage of Semidiameter, Nos. 21, 26, and 42, - 63^s.76 : + 0^s.59 : and - 62^s.33.

4. Observed over wire U with the transit-micrometer set to readings 35^r.481, 35^r.749, 36^r.188, 36^r.318, 36^r.642, 36^r.798, 37^r.133, 37^r.339, 37^r.635, 37^r.761.
8. Observed over wire T with the transit-micrometer set to readings 36^r.493, 36^r.335, 35^r.981, 35^r.813, 35^r.578, 35^r.467, 35^r.168, 35^r.080, 34^r.843, 34^r.650.
11. Observed over wire R with the transit-micrometer set to readings 35^r.289, 35^r.235, 35^r.058, 35^r.034, 34^r.902, 34^r.888, 34^r.730, 34^r.683, 34^r.552, 34^r.498.
14. Observed over wire T with the transit-micrometer set to readings 37^r.378, 37^r.642, 37^r.953, 38^r.130, 38^r.422, 38^r.588, 38^r.909, 39^r.035, 39^r.350, 39^r.495.
21. Correction to R.A. on true meridian + 0^s.01.
23. Observed over wire T with the transit-micrometer set to readings 37^r.908, 37^r.837, 37^r.763, 37^r.619, 37^r.541, 37^r.501, 37^r.330, 37^r.270, 37^r.247, 37^r.090.
25. Observed over wires V, W, X, Y, and Z.
26. Very unsteady.
28. Observed over wire T with the transit-micrometer set to readings 36^r.792, 37^r.760, 36^r.729, 36^r.580, 36^r.546, 36^r.519, 36^r.355, 36^r.329, 36^r.260, 36^r.130.
34. Observed over wire R with the transit-micrometer set to readings 36^r.209, 36^r.097, 36^r.013, 35^r.922, 35^r.832, 35^r.754, 35^r.692, 35^r.636, 35^r.568, 35^r.510.
35, 36, 38, 48. Cloudy.
37. Very faint.
40. Observed over wire T with the transit-micrometer set to readings 35^r.877, 35^r.700, 35^r.626, 35^r.538, 35^r.457, 35^r.397, 35^r.327, 35^r.217, 35^r.152, 35^r.113.
41. Reduction to D's centre at time of transit of Crater - 11^s.65. A further correction of - 0^s.40 has been applied to reduce to time of transit of D's centre on true meridian.
47. Observed over wire T with the transit-micrometer set to readings 36^r.880, 36^r.949, 37^r.075, 37^r.116, 37^r.299, 37^r.672, 37^r.728, 37^r.821, 37^r.882, 37^r.995. Cloudy.

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MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level).		Seconds Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at α^h Sidereal and [Losing Rate].	Apparent of Centre from the Observation.					
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		[Azimuth].											
				s	s	s	s	s	s	s	s	s	s		"											
Aug. 14	1	β^1 Scorpii	RC	50.8	53.3	55.9	1.3	3.8	6.7	14.0	16.7	19.3	22.0	15. 59. 6.50	+ 0.22		6.76	59.81	53.05	53.19	15. 59. 59.92					
	2	σ Ophiuchi	S	44.7	47.1	49.6	54.7	57.2	59.7	6.8	9.3	11.7	14.3	17. 20. 59.63	(- 5.33)		59.67	52.83	53.16	53.19	.....					
	3	89 Herculis	R.	29.2	31.8	34.4	40.3	42.8	45.7	53.9	56.6	59.2	1.9	17. 50. 45.71	(+ 5.32)		46.27	39.46	53.19	53.19	17. 51. 39.43					
	4	δ Ursæ Minoris	RC	58.8	6.9	12.1	31.2	37.0	43.3	58.1	3.6	9.4	23.4	18. 1. 58.42			50.29	43.62	53.33		.....					
	5	θ Serpentis	R.	26.3	28.8	31.3	36.4	38.7	41.4	48.6	51.2	53.7	56.1	18. 50. 41.37			41.90				18. 51. 35.06					
	6	Cephei 51 S.P.	RC	0.8	8.0	14.1	24.7	29.9	34.1	46.5	51.8	57.0	9.4	18. 55. 25.48			35.41	29.06	53.65		.....					
	7	ω Aquilæ	RC	18.1	20.5	23.0	28.2	30.7	33.3	40.7	43.3	45.8	48.2	19. 12. 33.30			33.27	26.50	53.23		19. 13. 26.43					
	8	λ Ursæ Minoris	RC	38.4	45.4	52.7	11.0	17.8	23.0	36.2	42.7	48.7	3.8	19. 15. 58.66			30.87	24.21	53.34		.....					
	9	Groombridge 1119 S.P.	RC	33.8	41.8	47.5	0.3	5.3	9.7	24.2	29.0	34.8	45.3	20. 2. 16.46			42.01	37.28	55.27		.....					
	10	Groombridge 3548	RC	30.7	36.3	41.7	53.5	58.5	4.0	14.7	19.7	24.3	36.0	21. 18. 3.08			54.86	48.67	53.81		.....					
	11	β Aquarii	RC	30.9	33.3	35.9	40.7	43.4	45.8	53.1	55.7	58.1	0.5	21. 25. 45.86			45.98	39.15	53.17		21. 26. 39.13					
	12	γ Aquarii	R	42.3	45.0	47.5	52.3	54.9	57.3	...	...	...	...	22. 15. 57.36			57.45	50.52	53.07		22. 16. 50.60					
	13	γ Aquarii	d	...	...	...	...	...	...	4.7	7.0	9.3	12.0	22. 15. 57.31			57.40	50.52	53.12		22. 16. 50.55					
	14	σ Aquarii	d	34.2	36.7	39.3	44.4	47.0	49.6	...	...	...	...	22. 24. 49.49			49.66	42.79	53.13		22. 25. 42.81					
	15	σ Aquarii	r	...	...	...	...	...	...	57.3	59.3	2.1	4.7	22. 24. 49.71			49.88	42.79	52.91		22. 25. 43.03					
	16	μ Pegasi	RC	21.3	23.8	26.6	31.9	34.7	37.4	45.3	48.1	50.7	53.6	22. 44. 37.47			37.33	30.49	53.16		22. 45. 30.48					
	17	μ Pegasi	(E&E)	RC	32.8	48.5	5.4	21.7	37.6	53.5	10.3	...	...	22. 44. 37.33			37.19	30.49	53.30		.....					
	18	Saturn 1 L.	RC	3.6	6.0	8.2	13.5	15.9	18.6	25.8	28.3	30.7	33.3	23. 0. 18.51							23. 1. 12.43					
	19	Saturn 2 L.	RC	4.8	7.0	9.6	14.7	17.2	19.8	27.0	29.7	32.1	34.4	23. 0. 19.75							23. 12. 19.83					
	20	γ Piscium	RC	11.8	14.1	16.6	21.7	24.2	26.7	33.8	36.3	38.8	41.2	23. 11. 26.64			26.68	19.88	53.20		.....					
	21	γ Piscium	(E&E)	RC	26.4	41.2	55.7	11.0	25.2	40.2	55.0	...	...	23. 11. 26.61			26.65	19.88	53.23		.....					
Aug. 15	22	ϵ Virginis	SD	21.9	24.2	26.8	32.0	34.6	37.1	44.6	46.8	49.4	52.1	12. 56. 37.07	(- 4.55)		37.09	30.16	53.07	53.17	12. 57. 30.20					
	23	Spica	SD	6.6	9.0	11.5	16.7	19.2	21.7	29.0	31.6	34.1	36.7	13. 19. 21.73	[+ 5.56]		21.93	15.00	53.07	- 0.11	13. 20. 15.04					
	24	Polaris S.P.	SD	30.8	37.1	42.8	56.7	2.3	12.5	17.3	40.5	44.9	3.3	13. 24. 49.95			11.63	5.46	53.83		.....					
	25	δ Ophiuchi	HA	18.8	21.1	23.7	28.7	31.1	33.6	40.9	43.2	45.8	48.3	16. 8. 33.64			33.77	26.58	52.81	52.89	.....					
	26	γ Herculis	HA	39.2	41.6	44.2	49.6	52.2	54.9	2.7	5.2	7.7	10.4	16. 16. 54.89			54.85	47.67	52.82		.....					
	27	ζ Herculis	S	35.5	38.3	41.0	47.1	49.8	53.0	1.2	4.6	7.3	10.1	16. 36. 52.92			52.75	45.86	53.11	53.22	.....					
	28	κ Ophiuchi	S	6.7	8.8	11.3	16.5	19.0	21.4	28.8	31.3	33.8	36.2	16. 52. 21.50			21.53	14.69	53.16		.....					
	29	ζ Cygni	SD	48.7	51.2	54.2	0.2	2.9	5.9	14.2	17.0	19.8	22.8	21. 8. 5.82			5.67	58.74	53.07	53.17	21. 8. 58.74					
	30	α Equulei	SD	...	4.7	6.8	11.8	14.5	17.0	24.2	...	...	...	21. 10. 16.97			17.04	9.98	52.94		21. 11. 10.11					
	31	ι Capricorni	SD	54.6	56.9	59.5	4.8	7.3	10.1	17.4	20.2	22.7	25.3	21. 16. 10.00			10.25	3.37	53.12		21. 17. 3.32					
	32	Groombridge 3548	SD	6.8	12.5	16.6	20.8	33.5	38.2	44.6	0.4	5.0	10.2	21. 18. 3.09			55.47	48.58	53.11		.....					
	33	16 Pegasi	SD	40.2	42.9	45.7	51.2	54.0	56.7	4.8	7.4	10.2	13.0	21. 47. 56.74			56.64	49.68	53.04		21. 48. 49.71					
	34	Saturn 1 L.	SD	48.8	51.0	53.3	58.6	1.1	3.6	10.9	13.3	15.9	18.4	23. 0. 3.61							23. 0. 57.51					
	35	Saturn 2 L.	SD	49.8	52.4	54.7	59.9	2.3	4.9	12.3	14.8	17.2	19.7	23. 0. 4.92							23. 12. 19.80					
	36	γ Piscium	SD	11.7	14.2	16.7	21.6	24.2	26.7	33.7	36.3	38.9	41.3	23. 11. 26.65			26.74	19.89	53.15		23. 22. 9.01					
	37	κ Piscium	SD	0.9	3.3	5.9	10.9	13.3	15.8	23.1	25.6	28.0	30.5	23. 21. 15.85			15.95	9.11	53.16		.....					
	38	Bradley 3147	SD	46.1	52.2	56.8	1.7	15.9	19.9	27.2	42.4	46.5	50.8	23. 27. 28.67			20.73	14.23	53.50		23. 35. 9.13					
	39	ι Piscium	SD	1.0	3.4	6.1	11.0	13.4	16.0	23.3	25.6	28.2	30.8	23. 34. 16.00			16.07	9.20	53.13		7. 28. 36.17					
	40	Castor	J	26.2	29.2	31.8	38.0	40.8	43.8	52.4	55.2	58.2	1.0	7. 27. 43.79	(- 3.85)		43.71	36.27	52.56	52.48	7. 34. 22.96					
	41	Procyon	J	15.3	17.8	20.2	25.3	27.8	30.3	37.8	40.2	42.4	44.9	7. 33. 30.32	[+ 7.06]		30.50	22.93	52.43	- 0.06	7. 39. 33.91					
	42	Pollux	J	24.6	27.4	30.2	35.8	38.4	41.4	49.7	52.6	55.3	58.2	7. 38. 41.49			41.45	33.92	52.47		.....					
Aug. 16	43	$\odot$ 1 L.	J	56.2	58.8	1.6	6.6	9.0	11.8	19.3	21.8	24.2	26.8	9. 38. 11.73							9. 40. 9.66					
	44	$\odot$ 2 L.	J	7.1	9.6	12.1	17.2	19.8	22.3	29.9	32.6	35.0	37.8	9. 40. 22.46							.....					
	45	Polaris S.P.	J	14.2	17.6	23.0	39.8	45.0	49.2	2.3	7.2	12.2	27.0	13. 24. 48.84			12.00	6.36	54.36		13. 50. 12.90					
	46	η Boötis	J	4.8	7.2	9.8	15.0	17.7	20.4	28.2	30.7	33.1	35.8	13. 49. 20.39			20.45	12.98	52.53		14. 11. 22.95					
	47	Arcturus	J	14.7	17.2	19.7	25.2	27.7	30.6	38.2	40.8	43.2	46.1	14. 10. 30.46			30.51	22.92	52.41		.....					
	48	α Ophiuchi	S	27.8	30.2	32.7	37.9	40.3	42.8	50.2	52.8	55.3	57.8	17. 29. 42.90			43.00	36.00	53.00	53.06	.....					
	49	β Ophiuchi	S	43.3	45.7	48.3	53.3	55.8	58.3	5.7	8.2	10.6	13.0	17. 37. 58.34			58.52	51.57	53.05		.....					
	50	μ Herculis	S	38.8	41.3	44.2	49.7	52.8	55.4	3.6	6.6	9.2	12.0	17. 41. 55.49			55.45	48.46	53.01		.....					
	51	ϵ Aquilæ	J	15.6	18.2	20.7	25.9	28.4	31.0	38.6	41.3	43.7	46.4	18. 54. 31.10			31.20	23.51	52.31	52.48	18. 55. 23.63					
	52	Cephei 51 S.P.	J	21.3	25.8	30.2	50.9	56.2	0.6	15.4	20.2	26.1	45.2	18. 55. 28.47			38.47	29.86	51.39		.....					

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 17, and 21, - 104^s.15: and - 104^s.14.

4. Observed over wire W with the transit-micrometer set to readings 35^s.369, 35^s.565, 35^s.676, 36^s.160, 36^s.277, 36^s.428, 36^s.802, 36^s.930, 37^s.080, 37^s.390.
6. Observed over wire O with the transit-micrometer set to readings 35^s.372, 35^s.243, 35^s.112, 34^s.922, 34^s.810, 34^s.712, 34^s.665, 34^s.368, 34^s.231, 34^s.003.
8. Observed over wire S with the transit-micrometer set to readings 36^s.040, 36^s.066, 36^s.130, 36^s.271, 36^s.324, 36^s.375, 36^s.442, 36^s.473, 36^s.509, 36^s.630.
9. Observed over wire O with the transit-micrometer set to readings 30^s.388, 30^s.311, 30^s.280, 30^s.171, 30^s.118, 30^s.090, 29^s.994, 29^s.943, 29^s.912, 29^s.825.
10. Observed over wire T with the transit-micrometer set to readings 35^s.210, 35^s.350, 35^s.509, 35^s.800, 35^s.890, 36^s.020, 36^s.260, 36^s.403, 36^s.486, 36^s.800.
24. Observed over wire T with the transit-micrometer set to readings 37^s.195, 37^s.118, 37^s.080, 36^s.966, 36^s.925, 36^s.830, 36^s.788, 36^s.580, 36^s.538, 36^s.391.
32. Observed over wire U with the transit-micrometer set to readings 34^s.577, 34^s.730, 34^s.810, 34^s.911, 35^s.217, 35^s.346, 35^s.490, 35^s.850, 35^s.958, 36^s.085.
38. Observed over wire P with the transit-micrometer set to readings 34^s.640, 34^s.790, 34^s.882, 34^s.990, 35^s.317, 35^s.403, 35^s.569, 35^s.910, 36^s.010, 36^s.110.
45. Observed over wire O with the transit-micrometer set to readings 26^s.603, 26^s.553, 26^s.522, 26^s.371, 26^s.340, 26^s.310, 26^s.184, 26^s.173, 26^s.104, 25^s.997.
52. Observed over wire T with the transit-micrometer set to readings 36^s.126, 36^s.058, 35^s

MONTH and DATE	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].		Seconds Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.					
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		"						s	s	s	h	m	s
				s	s	s	s	s	s	s	s	s	s		h	m					s	s	s	h	m	s
Aug. 17	1	⊙ 1 L.....	W	40.8	43.2	45.8	51.0	53.5	56.2	3.6	6.2	8.8	11.2	9.42.56.15	+ 0.22	} 1.52			52.42	9.43.53.92						
	2	⊙ 2 L.....	W	51.2	53.8	56.3	1.6	4.1	6.8	14.1	16.8	19.2	21.8	9.44.6.69	(- 3.85)						[+ 7.06]	- 0.06				
Aug. 18	3	β ¹ Lyræ.....	S	28.1	30.9	33.7	39.8	42.8	45.7	54.4	57.4	0.3	3.2	18.45.45.76	(- 3.51)	45.63	38.63	53.00	53.01	.....						
	4	Cephei 51 S.P.....	S	16.7	29.3	38.0	52.7	0.7	7.7	15.8	25.8	32.5	44.0	18.55.30.33	[+ 4.53]	37.69	30.69	53.00	- 0.04	.....						
	5	λ Ursæ Minoris.....	S	5.8	19.1	29.4	38.6	49.2	57.8	5.2	16.3	25.3	34.3	19.15.47.42		26.98	20.07	53.09		.....						
	6	h ² Sagittarii.....	S	52.4	54.8	57.5	3.2	5.9	8.8	16.7	19.4	22.1	24.8	19.30.8.69		8.97	1.89	52.92		.....						
	7	β Aquilæ.....	S	36.1	38.7	41.0	45.9	48.6	51.0	...	0.8	3.0	5.6	19.49.51.01		51.07	44.10	53.03		.....						
Aug. 19	8	ρ Capricorni.....	WB	23.8	26.3	29.0	34.3	36.9	39.5	47.2	49.8	52.2	55.2	20.22.39.54		39.77	32.58	52.81	52.79	.....						
	9	ε Delphini.....	WB	37.9	40.2	42.7	47.8	50.3	53.0	0.3	2.9	5.4	7.9	20.27.52.96		52.99	45.76	52.77		.....						
	10	α Delphini.....	WB	10.6	13.1	15.7	20.7	23.6	26.2	33.5	36.1	38.7	41.2	20.34.26.06		26.07	18.77	52.70		.....						
Aug. 20	11	ρ Capricorni.....	GO	23.8	26.5	29.2	34.2	37.0	39.7	47.3	50.2	52.4	55.0	20.22.39.65	- 0.08	} 36.82			52.73	.....						
	12	ε Delphini.....	GO	37.8	40.2	43.0	47.8	50.4	53.2	0.4	3.0	5.4	7.9	20.27.53.03	(- 4.31)						39.86	32.58	52.72	[0.00]		
	13	α Delphini.....	GO	10.5	13.2	15.7	20.9	23.4	26.1	33.7	36.2	38.7	41.3	20.34.26.09	[+ 4.92]						53.02	45.76	52.74			
	14	Groombridge 3548.....	GO	4.8	15.2	23.0	31.0	42.1	0.2	8.1	16.6	23.6	30.7	21.18.2.52							26.04	18.77	52.73			
	15	16 Pegasi.....	GO	40.7	43.2	45.9	51.6	54.3	57.0	5.2	7.7	10.5	13.3	21.47.57.07							55.17	47.97	52.80			
	16	α Aquarii.....	GO	52.1	54.7	57.0	2.2	4.7	7.0	14.2	16.8	19.2	21.6	22.0.7.07							56.94	49.71	52.77			
	17	ι Pegasi.....	GO	31.6	34.6	37.0	42.6	45.3	48.2	56.2	59.0	1.5	4.2	22.1.48.15							7.15	59.89	52.74			
Aug. 21	18	⊙ 1 L.....	W	...	37.2	39.4	44.6	47.1	49.8	57.1	59.7	2.2	...	9.56.49.76	(- 5.19)	} 54.70			52.88	9.58.47.57						
	19	⊙ 2 L.....	W	...	...	...	...	...	...	...	...	9.8	12.2	9.58.59.75	[+ 5.28]						2.61	55.46	52.85			
	20	72 Ophiuchi.....	r	47.6	49.9	52.5	57.6	0.1	2.7	...	...	...	...	18.2.2.65							2.68	55.46	52.78			
	21	72 Ophiuchi.....	d	...	...	...	...	...	...	10.1	12.6	15.0	17.5	18.2.2.72							47.80	41.06	53.26			
	22	δ Ursæ Minoris.....	W	1.3	5.6	8.8	12.8	33.6	36.6	39.4	42.7	56.0	59.8	18.1.56.12							35.85	28.75	52.90			
	23	η Serpentis.....	W	21.0	23.2	25.7	30.8	33.2	35.8	...	...	...	...	18.15.35.77							35.93	28.75	52.82			
	24	η Serpentis.....	r	...	...	...	...	...	...	43.0	45.7	48.0	50.5	18.15.35.85							45.72	38.59	52.87			
	25	β ¹ Lyræ.....	W	28.3	31.1	33.9	40.1	43.0	45.9	54.7	57.6	0.7	3.3	18.45.45.99							30.62	23.47	52.85			
	26	ε Aquilæ.....	W	15.2	17.8	20.3	25.6	28.2	30.8	38.2	40.7	43.2	45.8	18.54.30.70							38.81	31.85	53.04			
	27	Cephei 51 S.P.....	W	45.0	49.1	52.4	55.3	8.7	12.0	15.1	18.7	30.0	33.6	18.55.28.66							23.97	17.07	53.17			
	28	λ Ursæ Minoris.....	W	44.1	47.9	51.2	54.5	8.2	11.7	15.4	18.7	31.6	34.9	19.15.52.38							57.00	49.74	52.74			
	29	γ Aquilæ.....	W	41.8	44.4	46.8	52.1	54.4	56.9	4.4	6.8	9.3	12.3	19.40.57.04							49.49	42.55	53.06			
	30	Groombridge 1119 S.P.....	W	56.8	0.2	3.8	7.3	28.0	32.0	35.3	38.8	0.3	4.7	20.2.23.40							54.56	47.85	53.29			
	31	Groombridge 3548.....	W	26.7	30.8	34.3	38.4	52.2	56.2	59.5	3.0	15.8	19.7	21.18.2.96							7.03	59.89	52.86			
	32	α Aquarii.....	W	52.2	54.6	57.0	2.1	4.5	6.8	14.2	16.6	19.1	21.4	22.0.6.97							47.85	40.73	52.88			
	33	ι Pegasi.....	W	...	34.2	37.0	42.7	45.2	48.0	56.0	58.8	1.3	...	22.1.48.03												
	34	Saturn 1 L.....	W	15.3	17.8	20.4	25.3	27.8	30.6	37.7	40.1	42.8	45.2	22.58.30.42												
	35	Saturn 2 L.....	W	16.8	19.0	21.3	26.8	29.1	31.6	38.9	41.3	43.8	46.3	22.58.31.61												
	36	Piazzi XI. 43 S.P.....	R	...	...	...	4.4	21.2	26.9	32.9	...	...	...	23.16.21.63												
	37	Piazzi XI. 43 S.P.....	W	...	...	...	...	...	...	12.7	18.9	30.5	35.8	41.7	23.16.20.49											
	38	κ Piscium.....	W	1.3	3.7	6.2	11.3	13.7	16.2	23.2	26.1	28.7	31.0	23.21.16.26												
	39	Bradley 3147.....	W	17.0	20.8	23.8	27.7	39.4	42.8	45.7	49.0	0.0	5.3	23.27.31.36												
	40	Castor.....	RC	...	...	...	...	...	...	43.9	52.5	55.2	58.2	1.2	7.27.43.88						(- 5.59)					
	41	Procyon.....	RC	15.3	17.9	20.2	25.2	27.8	30.5	37.4	40.0	42.3	45.0	7.33.30.26	[+ 7.42]											
42	Pollux.....	RC	24.7	27.3	30.1	35.8	38.6	41.4	49.6	52.7	55.3	58.0	7.38.41.48													
Aug. 22	43	⊙ 1 L.....	RC	16.6	18.8	21.3	27.0	29.2	31.8	39.1	41.7	44.2	46.8	10.0.31.77		} 11.45			52.85	7.28.36.48						
	44	⊙ 2 L.....	RC	26.9	29.1	31.7	36.9	39.2	41.7	49.0	51.7	54.2	56.8	10.2.41.84							22.61	14.87	52.26			
	45	Venus 1 L.....	RC	56.4	58.8	1.1	6.2	8.7	11.2	18.6	21.0	23.3	26.0	12.45.11.25							43.65	36.41	52.76			
	46	Polaris S.P.....	RC	52.7	59.7	5.2	15.2	20.2	25.6	37.6	42.4	50.2	59.9	13.24.50.52							30.35	23.05	52.70			
	47	η Boötis.....	RC	4.6	7.0	9.7	15.0	17.8	20.3	27.9	30.7	33.1	35.8	13.49.20.31							41.30	34.05	52.75			
	48	Arcturus.....	RC	14.4	16.9	19.8	24.9	27.7	30.3	37.9	40.6	43.2	45.7	14.10.30.26												

45. Correction for passage of Semidiameter, No. 45, +0.67.

4. Observed over wire T with the transit-micrometer set to readings 35^r069, 34^r816, 34^r661, 34^r373, 34^r217, 34^r066, 33^r897, 33^r710, 33^r569, 33^r345.
5. Observed over wire T with the transit-micrometer set to readings 36^r962, 37^r078, 37^r142, 37^r221, 37^r272, 37^r342, 37^r390, 37^r469, 37^r539, 37^r600.
14. Observed over wire Q with the transit-micrometer set to readings 35^r868, 36^r105, 36^r288, 36^r482, 36^r755, 37^r170, 37^r356, 37^r570, 37^r737, 37^r900.
18, 19. Very faint; cloudy.
22. Observed over wire X with the transit-micrometer set to readings 35^r923, 36^r040, 36^r120, 36^r210, 36^r703, 36^r786, 36^r857, 36^r919, 37^r232, 37^r329.
27. Observed over wire X with the transit-micrometer set to readings 40^r460, 40^r404, 40^r314, 40^r258, 40^r007, 39^r937, 39^r880, 39^r797, 39^r589, 39^r510.
28. Observed over wire X with the transit-micrometer set to readings 35^r492, 35^r532, 35^r559, 35^r582, 35^r670, 36^r700, 36^r719, 36^r760, 36^r842, 35^r862.
30. Observed over wire Q with the transit-micrometer set to readings 36^r586, 36^r548, 36^r530, 36^r482, 36^r350, 36^r311, 36^r275, 36^r279, 36^r094, 36^r049.
31. Observed over wire X with the transit-micrometer set to readings 34^r879, 35^r006, 35^r097, 35^r183, 35^r504, 35^r592, 35^r662, 35^r753, 36^r050, 36^r133.
37. Reading of transit-micrometer 28^r000. Reduced to normal reading in forming the concluded transit.
39. Observed over wire O with the transit-micrometer set to readings 36^r268, 36^r340, 36^r429, 36^r494, 36^r774, 36^r840, 36^r919, 36^r982, 37^r239, 37^r328.
46. Observed over wire S with the transit-micrometer set to readings 36^r495, 36^r432, 36^r373, 36^r310, 36^r262, 36^r230, 36^r118, 36^r088, 36^r002, 35^r907.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908 MONTH and DAY.	No. for Reference	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	{Azimuth.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 18, and 21, $-106^s.04$: and $-106^s.04$.
 Corrections for passage of Semidiameter, Nos. 28, 30, and 40, $+0^s.69$: $+67^s.30$: and $+70^s.95$.

- Observed over wire R with the transit-micrometer set to readings $34^r.117$, $34^r.248$, $34^r.388$, $34^r.673$, $34^r.845$, $34^r.938$, $35^r.266$, $35^r.387$, $35^r.491$, $35^r.762$.
- Observed over wire O with the transit-micrometer set to readings $36^r.750$, $36^r.563$, $36^r.428$, $36^r.138$, $36^r.005$, $35^r.910$, $35^r.704$, $35^r.620$, $35^r.529$, $35^r.268$.
- Observed over wire P with the transit-micrometer set to readings $38^r.855$, $38^r.898$, $38^r.926$, $38^r.026$, $38^r.056$, $38^r.079$, $38^r.137$, $38^r.192$, $38^r.220$, $38^r.295$.
- Observed over wire T with the transit-micrometer set to readings $37^r.334$, $37^r.267$, $37^r.236$, $37^r.168$, $37^r.129$, $37^r.087$, $37^r.000$, $36^r.983$, $36^r.938$, $36^r.888$.
- Observed over wire T with the transit-micrometer set to readings $34^r.860$, $35^r.012$, $35^r.113$, $35^r.388$, $35^r.490$, $35^r.585$, $35^r.830$, $35^r.938$, $36^r.048$, $36^r.312$.
- Observed over wire Q with the transit-micrometer set to readings $34^r.788$, $34^r.934$, $35^r.036$, $35^r.300$, $35^r.410$, $35^r.500$, $35^r.698$, $35^r.786$, $35^r.944$, $36^r.247$.
- Observed over wire T with the transit-micrometer set to readings $36^r.405$, $36^r.277$, $36^r.202$, $36^r.121$, $36^r.096$, $35^r.980$, $35^r.902$.
- Correction to R.A. on true meridian $+0^s.01$.
- Observed through cloud.
- Aug. 27^d 2^d. The eye-tube rotated 90° for the purpose of determining the value of the zenith distance micrometer screw; rotated back at 27^d 4^h.
- Correction to R.A. on true meridian $+0^s.02$.
- Observed over wire T with the transit-micrometer set to readings $34^r.303$, $34^r.431$, $34^r.517$, $34^r.946$, $35^r.104$, $35^r.425$, $35^r.537$, $35^r.660$, $36^r.155$, $36^r.281$.

MONTH and DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at ϕ^h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
Aug. 27	1	Groombridge 1119 S.P.	E	20.3	28.7	34.2	55.2	59.9	13.6	17.8	34.1	40.6	45.6	20. 2. 24.74	+ 0.14		52.60	46.90	54.30	52.51	.....
	2	ε Delphini.....	E	38.2	40.7	43.2	48.0	50.6	53.2	0.5	...	5.6	8.1	20. 27. 53.25	(- 5.19)		53.28	45.73	52.45	[- 0.02]	20. 28. 45.77
	3	Groombridge 3548.....	E	6.7	12.7	35.2	41.0	59.9	6.0	23.2	29.0	...	...	21. 18. 2.99	[+ 6.41]		54.08	47.23	53.15	.....	.....
	4	16 Pegasi..... <i>d</i>	E	40.8	43.6	46.3	51.7	54.5	57.4	...	...	...	...	21. 47. 57.33			57.21	49.73	52.52	.....	21. 48. 49.70
	5	16 Pegasi..... <i>r</i>	E	...	...	...	...	...	...	5.4	8.2	10.9	13.6	21. 47. 57.41			57.29	49.73	52.44	.....	21. 48. 49.78
	6	α Aquarii..... <i>d</i>	E	52.4	54.9	57.3	2.2	4.7	7.4	...	...	...	...	22. 0. 7.30			7.44	59.92	52.48	.....	22. 0. 59.93
	7	α Aquarii..... <i>r</i>	E	...	...	...	...	...	...	14.5	17.1	19.5	21.7	22. 0. 7.26			7.40	59.92	52.52	.....	22. 0. 59.89
	8	θ Aquarii.....	E	47.3	49.7	52.2	57.2	59.6	2.5	9.7	12.2	14.7	17.1	22. 11. 2.34			2.54	55.00	52.46	.....	22. 11. 55.03
	9	θ Aquarii.....(E&E)	E	4.4	19.2	34.1	49.2	4.0	18.9	34.0	...	...	...	22. 11. 2.40			2.60	55.00	52.40	.....	.....
	10	γ Aquarii.....	E	43.2	45.5	...	53.1	55.4	58.0	5.3	7.7	10.0	12.7	22. 15. 58.00			58.15	50.63	52.48	.....	22. 16. 50.64
	11	γ Aquarii.....(E&E)	E	0.5	15.1	29.9	45.0	0.3	14.2	29.2	...	...	...	22. 15. 58.18			58.33	50.63	52.30	.....	.....
	12	λ Aquarii.....	E	37.5	39.6	42.3	47.5	49.9	52.6	59.6	2.4	4.8	7.3	22. 46. 52.47			52.67	45.16	52.49	.....	22. 47. 45.16
	13	Saturn 1 L.....	E	37.5	39.9	...	47.5	49.9	52.4	...	...	...	...	22. 56. 52.49			53.35				22. 57. 45.84
	14	Saturn 2 L.....	E	38.8	41.3	43.6	48.8	51.2	53.6	...	...	...	...	22. 56. 53.78							
Aug. 28	15	⊙ 1 L.....	BE	20.1	23.0	25.3	30.2	33.2	35.4	42.7	45.6	48.0	50.3	10. 22. 35.50	(- 4.59)		40.08			52.59	10. 24. 32.65
	16	⊙ 2 L.....	BE	29.6	32.1	34.4	39.6	42.1	44.7	52.0	54.6	57.1	59.6	10. 24. 44.70	[+ 4.57]						
	17	ε Bootis.....	BE	44.4	47.0	49.8	55.3	58.2	1.1	9.2	11.9	14.7	17.4	14. 40. 1.03			0.87	53.31	52.44	.....	.....
	18	⊙ 1 L.....	BE	41.6	44.4	47.2	52.5	55.4	58.3	6.3	9.0	11.6	14.3	17. 49. 58.18			58.41	17.52	2.68	17.52	2.75
	19	Mösting A.....	BE	...	...	7.8	13.3	15.9	18.7	...	...	...	...	17. 51. 18.76			18.99				
	20	β ¹ Lyrae.....	BE	28.4	31.4	34.1	40.2	43.3	46.1	54.6	57.8	0.7	3.6	18. 45. 46.15			45.93	38.48	52.55	.....	.....
	21	λ Ursæ Minoris.....	BE	27.0	39.4	56.7	7.3	20.1	37.4	49.3	55.5	1.3	7.5	19. 15. 42.76			18.67	9.84	51.17	.....	.....
	22	μ Aquilæ.....	BE	24.5	26.9	29.4	34.5	37.0	39.6	46.8	49.3	51.6	54.3	19. 28. 39.51			39.52	32.05	52.53	.....	.....
	23	γ Aquilæ.....	JS	42.4	44.8	47.5	52.4	55.0	57.5	4.8	7.4	9.8	12.3	19. 40. 57.51			57.49	49.69	52.20	52.25	.....
	24	α Aquilæ.....	JS	6.8	9.3	11.6	16.8	19.3	21.8	29.3	31.7	34.3	36.7	19. 45. 21.88			21.87	14.10	52.23	.....	.....
	25	Groombridge 1119 S.P.	BE	16.1	31.0	41.2	51.7	59.3	29.8	47.6	0.3	17.9	30.3	20. 2. 34.29			56.40	47.83	51.43	52.59	.....
	26	Groombridge 3548.....	BE	57.7	13.6	25.1	36.6	47.0	59.1	10.7	24.3	37.9	49.2	21. 18. 1.54			54.41	47.07	52.66	.....	.....
Aug. 29	27	ξ Aquarii.....	BE	39.6	41.9	44.6	49.7	52.1	54.8	1.9	4.8	7.0	9.6	21. 31. 54.72			54.84	47.46	52.62	.....	.....
	28	θ Aquarii.....	BE	47.2	49.6	52.0	57.2	59.6	2.3	9.6	11.9	14.6	17.0	22. 11. 2.22			2.34	55.00	52.66	.....	.....
	29	⊙ 2 L.....	W	8.7	11.2	13.6	18.9	21.3	23.8	31.3	33.7	36.1	38.6	10. 28. 23.84	(- 4.23)		23.86	14.85	52.38	52.48	10. 28. 11.78
	30	Venus 1 L.....	W	26.8	29.6	32.1	37.3	39.6	42.0	49.5	51.8	54.3	57.1	13. 12. 42.13	[+ 5.10]		42.30				
	31	Spica.....	W	7.1	9.6	12.0	17.2	19.7	22.5	29.6	32.1	34.6	37.3	13. 19. 22.29			22.47	16.97	55.33	13. 20. 14.88	14. 11. 22.73
	32	Polaris S.P.....	W	35.7	39.4	42.1	45.5	48.8	52.3	57.3	0.7	3.9	9.6	13. 25. 1.36			21.64				
	33	Arcturus.....	W	14.6	17.2	19.7	25.2	27.7	30.4	37.8	40.7	43.4	45.9	14. 10. 30.38			30.32	22.72	52.40	.....	.....
	34	ε Bootis.....	W	44.3	47.0	49.6	55.4	58.1	1.0	9.2	11.9	14.8	17.6	14. 40. 1.02			0.90	53.29	52.39	.....	14. 40. 53.31
	35	α Ophiuchi.....	HA	28.3	30.9	33.4	38.5	41.0	43.6	51.0	53.6	56.0	58.5	17. 29. 43.60			43.60	35.80	52.20	52.30	.....
	36	β Ophiuchi.....	HA	44.2	46.7	49.0	54.1	56.6	59.1	6.3	8.8	11.3	13.8	17. 37. 59.11			59.17	51.38	52.21	.....	.....
	37	μ Herculis.....	S	39.2	41.8	44.6	50.3	53.0	55.9	4.0	6.8	9.7	12.4	17. 41. 55.90			55.77	48.23	52.46	52.53	.....
	38	89 Herculis.....	S	30.3	33.0	35.7	41.4	44.1	46.8	55.0	57.7	0.4	3.3	17. 50. 46.90			46.79	39.21	52.42	.....	.....
	39	δ Ursæ Minoris.....	W	19.3	22.6	26.1	29.7	48.7	52.1	55.7	59.3	11.2	14.8	18. 1. 51.86			44.80	38.00	53.20	52.48	.....
	40	21 Sagittarii.....	W	38.8	41.3	43.9	49.4	51.9	54.7	...	...	...	...	18. 18. 54.65			54.92	18.20	6.47	18. 24. 42.49	18. 37. 9.69
	41	Uranus.....	W	...	...	...	8.3	11.0	13.7	21.8	24.3	27.2	29.8	18. 19. 13.79			14.08				
	42	Mayer 748.....	W	34.1	36.7	39.3	44.5	47.3	49.8	57.5	0.1	2.6	5.4	18. 23. 49.85			50.10	9.72	52.42	18. 54. 38.64	18. 54. 38.51
	43	2 Aquilæ.....	W	...	...	...	12.1	14.6	17.3	24.3	27.0	29.4	31.9	18. 36. 17.13			17.30				
	44	⊙ 1 L.....	W	17.7	20.4	23.1	28.8	31.6	34.3	42.1	45.0	47.7	50.5	18. 52. 34.24			34.51	56.05	52.84	19. 24. 49.72	19. 25. 21.75
	45	Mösting A.....	W	39.6	42.0	44.4	50.3	53.0	55.8	3.7	6.4	9.5	11.9	18. 53. 55.78			56.05				
	46	Cephei 51 S.P.....	W	13.0	16.3	19.6	22.8	26.5	29.9	34.1	37.3	40.4	43.9	18. 55. 33.62			42.31	35.15	52.84	.....	.....
	47	λ Ursæ Minoris.....	W	23.2	26.8	30.1	33.6	47.2	50.4	53.6	56.7	5.9	16.2	19. 15. 38.17			13.96	8.56	54.60	.....	.....
	48	α Vulpeculæ.....	W	41.2	43.6	46.3	52.0	54.7	57.5	5.4	8.1	10.7	13.5	19. 23. 57.43			57.34	49.76	52.42	.....	.....
	49	Mayer 810.....	W	...	...	...	...	...	...	42.2	44.7	0.7	16.8	19. 24. 29.09			29.37	22.72	52.37	19. 35. 22.73	.....
	50	ε ¹ Sagittarii.....	W	14.5	17.2	19.7	24.9	27.5	30.3	37.6	40.2	42.8	45.3	19. 34. 30.12			30.35				

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 9, and 11, - 106^s.79: and - 106^s.79.Corrections for passage of Semidiameter, Nos. 18, 29, 30, and 44, + 71^s.70: - 64^s.51: + 0^s.72: and + 71^s.72.1. Observed over wire O with the transit-micrometer set to readings 33^r.285, 33^r.203, 33^r.205, 33^r.011, 32^r.975, 32^r.874, 32^r.874, 32^r.732, 32^r.684, 32^r.650.3. Observed over wire T with the transit-micrometer set to readings 34^r.667, 34^r.814, 35^r.352, 35^r.478, 35^r.939, 36^r.070, 36^r.459, 36^r.610.18. Correction to R.A. on true meridian + 0^s.01.19. Reduction to D's centre at time of transit of Crater - 8^s.43. A further correction of - 0^s.37 has been applied to reduce to time of transit of D's centre on true meridian.21. Observed over wire U with the transit-micrometer set to readings 35^r.068, 35^r.170, 35^r.310, 35^r.348, 35^r.456, 35^r.564, 35^r.649, 35^r.694, 35^r.738, 35^r.801.25. Observed over wire R with the transit-micrometer set to readings 35^r.354, 35^r.256, 35^r.188, 35^r.120, 35^r.044, 34^r.826, 34^r.655, 34^r.590, 34^r.450, 34^r.361.26. Observed over wire V with the transit-micrometer set to readings 36^r.260, 36^r.594, 36^r.886, 37^r.145, 37^r.406, 37^r.663, 37^r.930, 38^r.255, 38^r.580, 38^r.855.32. Observed over wire T with the transit-micrometer set to readings 37^r.753, 37^r.751, 37^r.711, 37^r.664, 37^r.607, 37^r.597, 37^r.534, 37^r.520, 37^r.482, 37^r.467

Aug. 31

Corrections for passage of Schmidtometer, Nos. 1, 16, 34, and 37, +0.73; +0.91; -0.24; and +0.73.

2. Observed over wire T with the transit-micrometer set to readings $37^{\circ}036$, $36^{\circ}948$, $36^{\circ}883$, $36^{\circ}801$, $36^{\circ}753$, $36^{\circ}717$, $36^{\circ}620$, $36^{\circ}540$, $36^{\circ}517$, $36^{\circ}416$.
12. Observed over wire T with the transit-micrometer set to readings $35^{\circ}195$, $35^{\circ}361$, $35^{\circ}438$, $35^{\circ}878$, $35^{\circ}974$, $36^{\circ}084$, $36^{\circ}610$, $36^{\circ}710$, $36^{\circ}803$, $36^{\circ}879$.
13. Observed over wire T with the transit-micrometer set to readings $36^{\circ}000$, $35^{\circ}624$, $35^{\circ}808$, $35^{\circ}705$, $35^{\circ}416$, $35^{\circ}304$, $34^{\circ}817$, $34^{\circ}706$, $34^{\circ}657$.
15. Observed over wire T with the transit-micrometer set to readings $36^{\circ}825$, $36^{\circ}855$, $36^{\circ}893$, $36^{\circ}913$, $36^{\circ}948$, $36^{\circ}977$, $36^{\circ}994$, $37^{\circ}019$, $37^{\circ}035$, $37^{\circ}068$.
18. Correction to R.A. on true meridian $+0^{\circ}02$.
19. Reduction to D's centre at time of transit of Crater $-10^{\circ}62$. A further correction of $-0^{\circ}45$ has been applied to reduce to time of transit of D's centre on true meridian.
20. Observed over wire T with the transit-micrometer set to readings $36^{\circ}558$, $36^{\circ}531$, $36^{\circ}473$, $36^{\circ}436$, $36^{\circ}378$, $36^{\circ}369$, $36^{\circ}331$, $36^{\circ}276$, $36^{\circ}260$, $36^{\circ}216$.
25. Observed over wire T with the transit-micrometer set to readings $35^{\circ}523$, $35^{\circ}657$, $35^{\circ}783$, $36^{\circ}236$, $36^{\circ}365$, $36^{\circ}493$, $36^{\circ}816$, $36^{\circ}915$, $37^{\circ}043$, $37^{\circ}241$.
38. Observed over wire T with the transit-micrometer set to readings $35^{\circ}338$, $35^{\circ}314$, $35^{\circ}233$, $35^{\circ}105$, $35^{\circ}056$, $34^{\circ}938$, $34^{\circ}895$, $34^{\circ}885$, $34^{\circ}727$, $34^{\circ}661$.
44. Observed over wire T with the transit-micrometer set to readings $36^{\circ}846$, $37^{\circ}030$, $37^{\circ}150$, $37^{\circ}560$, $37^{\circ}674$, $37^{\circ}974$, $38^{\circ}108$, $38^{\circ}194$, $38^{\circ}567$, $38^{\circ}684$.
48. Observed over wire T with the transit-micrometer set to readings $37^{\circ}903$, $37^{\circ}799$, $37^{\circ}689$, $37^{\circ}219$, $37^{\circ}127$, $36^{\circ}848$, $36^{\circ}759$, $36^{\circ}666$, $36^{\circ}310$, $36^{\circ}203$.
50. Observed over wire T with the transit-micrometer set to readings $35^{\circ}919$, $35^{\circ}950$, $35^{\circ}980$, $36^{\circ}097$, $36^{\circ}123$, $36^{\circ}220$, $36^{\circ}255$, $36^{\circ}283$, $36^{\circ}448$.
51. Observed over wire R with the transit-micrometer set to readings $35^{\circ}885$, $35^{\circ}857$, $35^{\circ}815$, $35^{\circ}665$, $35^{\circ}633$, $35^{\circ}520$, $35^{\circ}469$, $35^{\circ}453$, $35^{\circ}307$, $35^{\circ}279$.

MONTH	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	[Azimuth].					
				s	s	s	s	s	s	s	s	s	s		"	"					
Aug. 31	1	o Capricorni.....	E	25.0	27.5	30.1	35.6	37.9	40.7	48.3	50.8	53.5	56.1	20.23.40.67	+ 0.14		40.95			52.28	20.24.33.23
	2	Mayer 870.....	E	7.5	10.1	12.8	17.9	20.6	23.3	30.7	33.3	35.8	38.4	20.29.23.16	(- 7.42)		23.41			[0.00]	20.30.15.69
	3	D 1 L.....	E	35.7	38.4	41.1	46.7	49.1	52.0	59.7	2.4	5.2	7.8	20.54.51.93	[+ 6.74]		52.20				20.56.53.95
	4	Capricorni.....	E	55.4	57.7	0.3	5.7	8.2	10.8	18.5	21.1	23.7	26.3	21.16.10.89			11.14	3.41	52.27		21.17.3.42
	5	Groombridge 3548.....	E	43.6	51.5	59.3	21.2	27.2	42.7	48.1	53.0	13.0	18.8	21.18.5.49			54.28	46.46	52.18		21.18.46.56
	6	Capricorni.....	E	47.6	50.1	52.6	57.7	0.3	3.1	10.7	13.2	15.7	18.3	21.34.3.05			3.30				21.34.55.58
	7	α Aquarii.....	W	52.8	55.3	57.7	2.9	5.2	7.7	...	17.5	19.7	22.2	22.0.7.70			7.76	59.93	52.17	52.19	.....
	8	α Aquarii.....(E&E)	W	10.4	25.2	39.8	54.5	9.3	24.0	39.0	...	...	...	22.0.7.60			7.66	59.93	52.27		.....
	9	θ Aquarii.....	W	47.7	50.0	52.6	57.6	0.0	2.7	9.8	12.4	15.0	17.6	22.11.2.66			2.80	55.01	52.21		.....
	10	θ Aquarii.....(E&E)	W	4.8	19.6	34.7	49.6	4.7	19.5	34.5	...	...	...	22.11.2.63			2.77	55.01	52.24		.....
	11	μ Pegasi.....	E	22.3	25.0	27.7	33.3	36.0	38.7	46.6	49.3	52.1	54.7	22.44.38.70			38.45	30.66	52.21	52.28	22.45.30.73
	12	Fomalhaut.....	E	20.3	23.1	25.7	31.6	34.5	37.5	...	48.6	51.4	54.4	22.51.37.42			37.85	30.18	52.33		22.52.30.13
	13	Saturn 1 L.....	E	30.6	33.3	35.5	40.8	43.2	...	53.0	55.6	58.1	0.6	22.55.45.76			46.54				22.56.38.82
	14	Saturn 2 L.....	E	32.0	34.4	36.8	41.9	...	47.0	53.5	56.9	59.4	1.7	22.55.47.00							
	15	γ Piscium.....d	E	12.8	15.3	17.6	22.8	25.4	27.8	...	...	...	...	23.11.27.77			27.78	20.10	52.32		23.12.20.06
	16	γ Piscium.....r	E	...	...	...	...	...	...	35.2	37.7	40.1	42.7	23.11.27.98			27.99	20.10	52.11		23.12.20.27
	17	κ Piscium.....r	E	2.4	4.8	7.0	12.3	14.6	17.3	...	...	...	...	23.21.17.21			17.25	9.33	52.08		23.22.9.53
	18	κ Piscium.....d	E	...	...	...	...	...	...	24.1	26.6	29.3	31.7	23.21.16.99			17.03	9.33	52.30		23.22.9.31
	19	Mercury 2 L.....	HA	51.0	53.4	55.8	1.1	3.6	6.4	13.7	16.5	19.0	21.6	9.30.6.33	(- 7.42)		6.21			52.08	9.30.58.06
Sept. 1	20	⊙ 1 L.....	HA	54.8	57.5	59.8	5.3	7.7	10.3	17.6	20.1	22.2	24.9	10.37.10.14			14.47				10.39.6.55
	21	⊙ 2 L.....	HA	3.7	6.3	8.6	13.8	16.3	19.0	26.2	28.7	31.2	33.7	10.39.18.87							
	22	Arcturus.....	HA	15.2	17.7	20.3	25.6	28.2	30.7	38.3	41.3	43.8	46.3	14.10.30.86	(- 8.14)		30.61	22.68	52.07		14.11.22.68
	23	ε Herculis.....	HA	33.8	36.4	39.3	45.3	48.0	51.0	59.4	2.4	5.3	8.2	16.55.51.04	[+ 5.99]		50.63	42.65	52.02		16.56.42.70
	24	α ¹ Herculis.....d	HA	15.8	18.2	20.8	26.1	28.5	31.1	...	...	...	...	17.9.31.14			30.96	23.02	52.06		17.10.23.03
	25	α ¹ Herculis.....r	HA	...	...	...	...	...	...	38.5	41.2	43.5	46.3	17.9.31.08			30.90	23.02	52.12		17.10.22.97
	26	σ Ophiuchi.....r	HA	45.6	48.0	50.3	55.5	57.8	0.4	...	...	...	...	17.21.0.43			0.37	52.56	52.19		17.21.52.44
	27	σ Ophiuchi.....d	HA	...	...	...	...	...	...	7.8	10.3	12.9	15.2	17.21.0.58			0.52	52.56	52.04		17.21.52.59
	28	δ Ursæ Minoris.....	HA	51.6	59.8	13.9	21.1	34.7	39.7	44.9	49.0	56.4	3.6	18.1.56.30			45.02	36.75	51.73		.....
	29	η Serpentis.....	HA	21.5	...	26.6	31.5	33.9	36.6	43.7	46.2	...	51.3	18.15.36.52			36.55	28.61	52.06		18.16.28.62
	30	ε Aquilæ.....	HA	...	...	21.2	26.3	28.9	31.4	39.0	41.6	...	...	18.54.31.50			31.31	23.33	52.02		18.55.23.38
	31	Cephei 51 S.P.....	HA	57.6	2.6	18.1	23.2	36.3	41.4	53.3	58.1	9.7	14.7	18.55.30.82			44.35	36.58	52.23		.....
	32	Groombridge 1119 S.P.....	HA	0.3	8.3	14.2	20.2	28.3	36.0	44.1	49.8	57.5	3.3	20.24.24.72			59.66	51.82	52.16		.....
	33	β Capricorni.....	HA	38.7	41.2	43.7	49.0	51.3	53.9	1.6	4.3	6.7	9.2	20.14.54.08			54.25	46.33	52.08		20.15.46.32
	34	θ Capricorni.....	JS	34.7	37.2	39.7	45.0	47.6	50.3	57.7	0.3	3.1	5.7	20.59.50.25			50.45	42.43	51.98	51.97	.....
	35	ζ Cygni.....	JS	50.0	52.8	55.6	...	4.3	7.1	15.5	18.3	21.2	24.0	21.8.7.15			6.76	58.70	51.94		.....
	36	ι Capricorni.....	HA	55.7	58.1	0.6	5.9	8.6	11.2	18.4	21.3	23.9	26.3	21.16.11.12			11.31	3.41	52.10	52.08	21.17.3.38
	37	Groombridge 3548.....	HA	15.6	25.0	33.7	42.0	47.9	53.4	0.3	5.2	10.1	18.0	21.18.5.05			53.65	46.26	52.61		.....
	38	γ Capricorni.....	HA	47.8	50.2	52.9	58.1	0.9	3.6	10.9	13.6	16.1	18.6	21.34.3.39			3.58				21.34.55.65
	39	ε Pegasi.....	HA	29.7	32.1	34.4	39.7	42.2	44.7	52.0	54.6	57.1	59.6	21.38.44.73			44.61	36.69	52.08		21.39.36.68
	40	D 1 L.....	HA	14.2	16.8	19.5	24.8	27.6	30.3	37.9	40.5	43.3	45.7	21.52.30.18			30.35				21.54.30.09
	41	Misting A.....	HA	35.2	37.6	40.1	45.5	48.2	51.0	58.8	1.1	3.8	6.6	21.53.50.91			51.08				21.54.30.13
	42	θ Aquarii.....	HA	47.7	50.2	52.7	57.8	0.1	2.8	10.1	12.7	15.1	17.5	22.11.2.79			2.88	55.02	52.14		22.11.54.95
	43	50 Aquarii.....	HA	20.1	22.4	...	30.3	32.8	35.3	42.8	...	47.7	50.4	22.18.35.34			35.50				22.19.27.57
	44	σ Aquarii.....	HA	35.6	38.0	40.4	45.7	48.2	50.8	57.9	0.7	3.1	5.7	22.24.50.73			50.89	42.94	52.05		22.25.42.96
	45	Saturn 1 L.....	HA	14.0	16.4	18.9	23.8	26.4	28.8	36.1	38.7	41.2	43.6	22.55.28.91			29.63				22.56.21.70
	46	Saturn 2 L.....	HA	15.1	17.4	20.0	25.0	27.6	30.2	37.3	40.0	42.6	45.0	22.55.30.14							
	47	γ Piscium.....	HA	13.2	15.6	17.9	23.0	25.6	28.1	35.3	37.7	40.3	42.6	23.11.28.05			28.00	20.10	52.10		23.12.20.07
	48	ι Piscium.....	HA	2.4	4.9	7.2	12.4	14.8	17.4	24.5	27.2	29.7	32.0	23.34.17.37			17.30	9.44	52.14		23.35.9.37
Sept. 2	49	⊙ 1 L.....	AC	32.3	35.0	37.2	42.6	45.1	47.7	55.0	57.5	59.8	2.3	10.40.47.57	(- 7.81)					52.16	.....
	50	⊙ 2 L.....	AC	41.4	43.9	46.2	51.6	53.9	56.3	3.8	6.4	8.9	11.0	10.42.56.46	[+ 8.49]					[+ 0.02]	.....
	51	σ Aquarii.....	W	35.5	37.7	40.3	45.6	47.8	50.6	57.7	0.3	3.0	5.5	22.24.50.52			50.80	42.95	52.15		.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 8, and 10, - 107^s.08: and - 107^s.08.
 Corrections for passage of Semidiameter, Nos. 3, 19, and 40, + 69^s.45: - 0^s.23: and + 67^s.66.

3. Correction to R.A. on true meridian + 0^s.02.
5. Observed over wire T with the transit-micrometer set to readings 35^s.480, 35^s.665, 35^s.850, 36^s.366, 36^s.517, 36^s.896, 37^s.000, 37^s.122, 37^s.605, 37^s.743.
28. Observed over wire U with the transit-micrometer set to readings 35^s.829, 36^s.048, 35^s.376, 36^s.543, 36^s.860, 36^s.981, 37^s.098, 37^s.196, 37^s.377, 37^s.559.
31. Observed over wire T with the transit-micrometer set to readings 35^s.500, 35^s.368, 35^s.033, 34^s.957, 34^s.720, 34^s.598, 34^s.365, 34^s.258, 34^s.030, 33^s.924.
32. Observed over wire T with the transit-micrometer set to readings 36^s.655, 36^s.595, 36^s.577, 36^s.472, 36^s.435, 36^s.363, 36^s.292, 36^s.280, 36^s.235, 36^s.150.
36. Diffused.
37. Observed over wire X with the transit-micrometer set to readings 40^s.227, 40^s.477, 40^s.689, 48^s.910, 41^s.020, 41^s.172, 41^s.306, 41^s.446, 41^s.554, 41^s.773.
38. Very unsteady.
40. Correction to R.A. on true meridian + 0^s.01.
41. Reduction to D's centre at time of transit of Crater - 12^s.52. A further correction of - 0^s.50 has been applied to reduce to time of transit of D's centre on true meridian.
- 49, 50. Kept for diameter only.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908 MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.																									
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	[Azimuth].					s	s	s	s	h	m	s																			
																												s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
																												s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
Sept. 2	1	ζ Pegasi.....	W	41.7	44.1	46.7	51.7	54.2	56.8	4.2	6.7	9.1	11.6	22.35.56.80	+ 0.14	}	56.79	49.01	52.22	52.16		}	22.49.14.83																							
	2	μ Pegasi.....	W	...	...	...	33.3	35.7	38.6	46.6	49.3	51.9	54.7	22.44.38.63	(- 7.81)		38.42	30.67	52.25	[+ 0.02]																										
	3	δ 1 L.....	W	0.9	3.2	5.9	11.3	13.9	16.5	24.0	26.7	29.3	31.7	22.47.16.45	+ 8.49		}	22.64	}	52.25	}			22.49.14.80																						
	4	δ 2 L.....	W	12.8	15.3	17.8	23.1	25.6	28.3	35.7	38.5	40.8	43.6	22.49.28.27																																
	5	Mösting A.....	W	20.3	22.9	25.6	30.7	33.4	36.0	43.6	46.1	48.7	51.3	22.48.35.97																																
	6	Saturn 1 L.....	W	57.0	59.3	1.6	6.8	9.2	11.7	19.1	21.7	24.2	26.8	22.55.11.86																																
	7	Saturn 2 L.....	W	58.1	0.6	2.9	8.0	10.6	13.1	20.4	22.9	25.5	27.9	22.55.13.12																																
	8	α Pegasi.....	W	59.8	2.3	4.9	10.1	12.7	15.1	22.7	25.2	27.7	30.2	22.59.15.19																																
	9	ψ ¹ Aquarii.....	W	53.1	55.4	57.9	3.0	5.6	8.1	15.4	18.0	20.4	23.0	23.10.8.11																																
	10	Lalande 45698-9.....	W	45.3	47.7	50.2	55.4	57.6	0.3	7.6	10.2	12.5	14.9	23.15.0.29																																
	11	κ Piscium.....	W	...	4.8	7.1	12.1	14.5	17.0	24.3	26.8	29.3	...	23.21.17.11																																
	12	Bradley 3147.....	W	39.4	43.2	46.8	50.1	4.1	7.7	11.5	14.7	28.4	32.0	23.27.37.09																																
	13	Mercury 2 L.....	JS	53.3	55.7	58.3	3.6	6.2	8.7	16.1	18.8	21.4	23.7	9.41.8.70	+ 0.18																															
	14	Regulus.....	JS	...	17.5	19.9	24.9	27.6	30.1	37.6	40.1	42.5	...	10.2.30.15	(- 8.79)										29.99	22.04	52.05	52.00	9.42.0.30																	
Sept. 3	15	⊙ 1 L.....	JS	10.2	12.9	15.3	20.3	22.9	25.4	32.8	35.4	37.7	40.3	10.44.25.44	}	}	29.61	}	}	}	}	}	10.46.21.62																							
	16	⊙ 2 L.....	JS	...	...	...	23.6	29.0	31.5	34.0	41.3	43.8	...	10.46.33.97																																
	17	Spica.....	JS	7.6	9.9	12.5	17.7	20.2	22.8	29.8	32.7	35.1	37.6	13.19.22.71																																
	18	Polaris S.P.....	JS	16.5	22.9	27.8	40.5	44.8	49.8	5.3	9.3	13.4	23.6	13.24.52.45																																
	19	Venus 1 L.....	JS	58.6	1.1	3.6	8.8	11.4	13.9	21.3	23.8	26.3	28.8	13.32.13.88																																
	20	Arcturus.....	HA	15.1	17.6	20.3	25.6	28.2	30.9	38.5	41.1	43.7	46.3	14.10.30.85																																
	21	δ Ursæ Minoris.....	HA	23.1	32.8	45.2	49.7	2.5	6.8	18.3	23.8	35.2	40.4	18.1.56.33																																
	22	η Serpentis.....	d	21.4	23.8	26.3	31.5	33.9	36.4	...	...	...	...	18.15.36.37																																
	23	η Serpentis.....	r	HA	...	...	...	...	...	43.7	46.1	48.4	51.1	18.15.36.38																																
	24	β ¹ Lyrae.....	HA	28.8	31.8	34.8	40.8	43.7	46.7	55.4	58.3	1.2	4.4	18.45.46.72																																
	25	Cephei 51 S.P.....	HA	13.9	22.7	39.6	45.0	56.7	3.0	14.3	19.0	30.1	34.6	18.55.30.30																																
	26	ω Aquilæ.....	HA	...	...	24.1	29.2	31.7	34.3	41.7	44.3	...	...	19.12.34.32																																
	27	Groombridge 1119 S.P.....	HA	22.3	29.3	40.9	46.8	58.5	3.5	14.2	22.3	33.0	39.6	20.2.23.18																																
	28	β Capricorni.....	HA	38.8	41.1	43.6	49.0	51.3	54.1	1.5	4.2	6.5	9.0	20.14.54.03																																
	29	ρ Capricorni.....	HA	24.5	27.0	29.6	34.8	37.5	40.0	47.7	50.3	53.0	55.6	20.22.40.12																																
	30	α Equulei.....	HA	3.1	5.4	7.8	12.8	15.4	17.7	25.3	27.7	30.2	32.5	21.10.17.91																																
	31	Groombridge 3548.....	HA	59.4	7.3	18.8	24.7	37.7	44.5	57.3	5.2	17.1	21.4	21.18.5.94																																
	32	β Aquarii.....	HA	32.0	34.4	36.8	41.9	44.3	47.0	54.2	56.7	59.2	1.7	21.25.46.94																																
	33	ι Pegasi.....	HA	32.5	35.1	37.7	43.6	46.2	48.8	56.9	59.6	2.6	5.2	22.1.48.95																																
	34	μ Pegasi.....	HA	22.6	25.2	27.8	33.3	36.0	38.8	46.7	49.4	52.1	54.9	22.44.38.81																																
	35	Saturn 1 L.....	HA	39.7	42.2	44.8	49.8	52.3	54.8	2.0	4.9	7.2	9.8	22.54.54.87																																
	36	Saturn 2 L.....	HA	41.1	43.4	45.9	51.1	53.5	56.2	3.4	6.2	8.5	11.1	22.54.56.16																																
	37	Lalande 45698-9.....	HA	45.6	47.8	50.2	55.5	57.8	0.5	7.7	10.2	12.8	15.3	23.15.0.46																																
	38	Mösting A.....	HA	...	...	...	...	...	...	51.6	56.8	59.0	14.3	23.40.44.08																																
	39	δ 2 L.....	HA	...	21.6	24.2	29.3	31.8	34.4	41.6	44.6	46.8	...	23.41.34.41																																
	40	γ Pegasi.....	HA	18.8	21.2	23.7	29.0	31.6	34.3	41.7	44.3	46.9	49.3	0.7.34.20																																
	41	Bradley 1672 S.P.....	HA	27.9	34.6	41.6	47.6	53.0	57.7	4.8	9.7	17.1	21.0	0.12.22.23																																
	42	Mayer 7.....	HA	36.8	39.2	41.5	46.8	49.2	51.7	59.0	1.6	3.8	6.4	0.18.51.72																																
Sept. 4	43	⊙ 1 L.....	E	46.9	49.3	51.9	56.9	59.5	1.7	9.4	11.9	14.3	17.0	10.48.2.00	(- 7.55)	}	6.23	}	}	}	}	}	10.49.58.38																							
	44	⊙ 2 L.....	E	55.5	58.0	0.2	5.6	8.0	10.4	17.8	20.3	22.8	25.3	10.50.10.51	+ 6.93																															
Sept. 5	45	Polaris S.P.....	RC	44.0	50.8	55.6	7.7	14.3	20.1	30.4	34.7	39.8	50.8	13.25.0.89	(- 5.65)	}	28.71	21.49	52.78	52.23	}	}	13.40.53.62																							
	46	Venus 1 L.....	RC	45.2	47.6	50.3	55.3	57.7	0.4	7.8	10.3	12.9	15.4	13.40.0.41	+ 7.13																															
	47	Arcturus.....	RC	14.8	17.3	19.7	25.3	27.8	30.7	38.3	40.9	43.4	46.1	14.10.30.55																																
	48	ε ² Boötis.....	RC	44.3	47.1	49.9	55.4	58.4	1.2	9.3	12.1	15.0	17.7	14.40.1.17																																
	49	α Coronæ.....	RC	34.3	36.9	39.7	45.4	48.3	51.0	59.1	1.8	4.7	7.4	15.29.50.99																																
	50	α Ophiuchi.....	d	28.5	31.0	33.6	38.7	41.2	43.6	...	...	...	...	17.29.43.76																																
	51	α Ophiuchi.....	r	JS	...	...	...	...	...	51.3	53.7	56.2	38.7	17.29.43.77																																

Correction for passage of Semidiameter, Nos. 13, 19, 39, and 46, - 0^s.22 : + 0^s.76 : - 64^s.36 : + 0^{s</}

1988GAMM-68A

MONTH and DATE	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at ^h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	Azimuth.					
s	s	s	s	s	s	s	s	s	s	h	m	s	s	s	s	h	m	s			
Sept. 5	1	β Ophiuchi.....r	JS	44.3	46.7	49.2	54.3	56.7	59.3	...	...	...	...	17. 37. 59.25	+ 0.18	59.35	51.26	51.91	52.00	.....	
	2	β Ophiuchi.....d	JS	...	...	...	...	...	...	6.4	9.1	11.5	13.9	17. 37. 59.25	(- 5.65)	59.35	51.26	51.91	[- 0.12]	.....	
	3	ζ Aquilæ.....	B	59.7	2.3	4.9	9.9	12.6	15.2	22.6	25.2	27.8	30.3	19. 0. 15.17	[+ 7.13]	15.17	7.33	52.16	52.19	.....	
	4	ψ Sagittarii.....	B	39.9	42.7	45.4	51.0	53.7	56.4	4.6	7.5	10.1	12.9	19. 8. 56.55		56.98	49.01	52.03		.....	
	5	ω Aquilæ.....	B	19.1	21.4	...	29.1	...	34.1	41.3	44.1	46.5	49.2	19. 12. 34.14		34.17	26.26	52.09		.....	
	6	λ Ursæ Minoris.....	B	51.0	1.2	8.3	26.0	34.9	43.6	0.3	7.4	15.2	25.1	19. 15. 41.71		8.55	0.29	51.74		.....	
	7	δ Aquilæ.....	B	40.6	43.0	45.4	50.5	52.9	55.4	2.6	5.3	7.7	10.1	19. 19. 55.47		55.59	47.66	52.07		.....	
	8	Mösting A.....	W	11.6	14.2	16.3	21.6	24.2	26.8	34.1	36.7	39.3	41.8	1. 19. 26.78		26.90			51.99	1. 20. 5.60	
	9	μ 2 L.....	W	0.8	3.3	5.9	11.0	13.3	16.0	23.4	26.0	28.6	31.1	1. 20. 16.06		16.18				1. 20. 5.55	
	10	Polaris.....	W	38.3	42.2	45.3	48.5	10.6	12.3	17.9	21.3	33.7	37.6	1. 25. 56.38		28.84	21.82	52.98		.....	
	11	η Piscium.....	W	22.2	24.5	27.2	32.3	35.0	37.5	45.0	47.4	50.1	52.6	1. 25. 37.50		37.49	29.52	52.03		.....	
	12	ν Piscium.....	W	27.6	30.0	32.5	37.6	40.1	42.8	...	...	54.8	57.5	1. 35. 42.63		42.73	34.56	51.83		.....	
	13	β Arietis.....	W	21.3	23.7	26.4	31.7	34.5	37.2	44.9	47.6	50.1	52.7	1. 48. 37.13		37.06	29.15	52.09		.....	
Sept. 6	14	Arcturus.....	J	15.3	17.9	20.5	26.0	28.5	31.3	38.8	41.6	44.2	46.7	14. 10. 31.20	(- 5.19) [+ 6.67]	31.14	22.62	51.48	51.55	.....	
	15	γ 2 Ophiuchi.....d	J	48.6	51.0	53.5	58.6	1.1	3.6	...	...	...	...	18. 2. 3.65		3.70	55.21	51.51		.....	
	16	γ 2 Ophiuchi.....r	J	...	...	...	...	...	...	11.0	13.4	16.0	18.6	18. 2. 3.67		3.72	55.21	51.49		.....	
	17	δ Ursæ Minoris.....	J	32.1	36.2	41.2	56.6	0.5	4.2	19.2	22.8	25.7	39.6	18. 1. 51.80		42.85	34.88	52.03		.....	
	18	η Serpentis.....	J	...	...	...	...	...	...	36.9	44.2	46.7	49.1	18. 15. 36.92		37.09	28.53	51.44		.....	
	19	Cephei 51 S.P.....	J	32.8	36.3	39.9	51.6	55.3	58.2	9.3	13.2	17.0	28.3	18. 55. 35.64		46.69	38.70	52.01		.....	
	20	ζ Aquilæ.....	J	0.4	3.1	5.5	10.7	13.4	15.8	23.3	26.1	28.5	31.1	19. 0. 15.91		15.92	7.31	51.39		.....	
	21	θ Aquilæ.....	J	23.1	25.4	27.9	33.0	35.6	38.1	45.2	47.7	50.1	52.5	20. 5. 37.97		38.12	29.61	51.49		.....	
	22	Mösting A.....	JS	...	12.8	15.5	20.7	23.3	25.7	33.1	35.7	38.2	...	2. 7. 25.75		25.82			51.65	2. 8. 5.16	
	23	μ 2 L.....	JS	0.7	3.3	5.6	10.9	13.6	16.0	23.6	26.0	28.6	31.2	2. 8. 16.07		16.14				2. 8. 5.32	
	24	67 Ceti.....	JS	12.8	15.3	17.7	22.8	25.3	27.7	35.1	37.6	40.0	42.7	2. 11. 27.82		28.03	19.68	51.65		.....	
	25	ξ 2 Ceti.....	JS	5.1	7.4	10.0	15.0	17.4	20.0	27.4	29.8	32.3	34.7	2. 22. 20.03		20.09	11.72	51.63		.....	
Sept. 7	26	$\odot$ 1 L.....	BE	37.4	39.7	42.3	47.2	49.7	52.3	59.6	2.1	4.6	7.2	10. 58. 52.33	[+ 7.15]	56.56			52.00	11. 0. 48.51	
	27	$\odot$ 2 L.....	BE	45.5	47.9	50.3	55.6	58.1	0.7	7.8	10.3	12.8	15.4	11. 1. 0.56		31.31	22.87	51.56		.....	
	28	Polaris S.P.....	BE	3.1	12.2	20.3	29.4	41.2	51.3	59.7	8.1	16.6	27.2	13. 25. 4.55		46.99				13. 48. 39.71	
	29	Venus 1 L.....	BE	31.5	33.7	36.3	41.6	44.2	46.7	54.0	56.6	59.4	1.7	13. 47. 46.69		30.64	22.60	51.96		14. 11. 22.57	
	30	Arcturus.....	BE	14.8	17.4	19.9	25.5	27.9	30.7	38.4	41.0	43.7	46.3	14. 10. 30.68		51.07	42.96	51.89		15. 30. 42.99	
	31	α Coronæ.....	BE	34.4	37.2	39.9	45.6	48.3	51.3	59.3	2.1	5.0	7.5	15. 29. 51.19		47.07	39.13	52.06		.....	
	32	Cephei 51 S.P.....	BE	54.2	3.6	15.6	22.4	32.0	37.9	49.0	55.8	8.0	13.0	18. 55. 35.59		15.41	7.30	51.89		19. 1. 7.31	
	33	ζ Aquilæ.....	BE	59.9	2.6	5.1	10.3	12.9	15.4	22.8	25.4	27.8	30.4	19. 0. 15.38		57.11	48.98	51.87		19. 9. 49.01	
	34	ψ Sagittarii.....	BE	40.0	42.8	45.6	...	...	56.7	...	7.6	10.2	12.9	19. 8. 56.67		47.88				22. 54. 39.77	
	35	Saturn 1 L.....	BE	31.8	34.4	36.9	41.7	44.5	47.0	54.0	56.8	59.3	1.7	22. 53. 46.93		17.49	9.39	51.90		23. 22. 9.37	
	36	Saturn 2 L.....	BE	33.3	35.6	38.3	43.3	45.6	48.3	55.6	58.2	0.7	3.0	22. 53. 48.31		24.32	16.21	51.89		23. 35. 9.49	
	37	κ Piscium.....	BE	2.5	5.0	7.3	12.5	14.8	17.3	24.5	27.0	29.5	31.8	23. 21. 17.33		17.61	9.50	51.89		23. 35. 9.49	
	38	Bradley 3147.....	BE	34.7	47.0	58.4	5.2	16.8	22.4	32.6	39.1	49.5	0.0	23. 27. 34.07		44.27			51.96	2. 24. 36.22	
	39	ι Piscium.....	BE	2.6	5.1	7.3	12.5	14.9	17.5	24.8	27.2	29.6	32.2	23. 34. 17.49		49.83	41.82	51.99		2. 37. 27.39	
	40	B. F. 310.....	E	29.2	31.6	34.1	39.1	41.6	44.1	51.6	54.0	56.3	59.1	2. 23. 44.19		0.37	52.29	51.92		2. 56. 5.04	
	41	δ Ceti.....	E	34.6	37.2	39.7	44.7	47.3	49.8	56.8	59.3	1.8	4.3	2. 33. 49.66		15.83				.....	
	42	85 Ceti.....	E	20.2	22.7	25.2	30.3	32.8	35.3	42.8	45.2	47.7	50.3	2. 36. 35.37		58.03	49.99	51.96		.....	
	43	ϵ Arietis.....	E	44.6	47.2	49.7	55.1	57.6	0.3	8.2	10.9	13.3	16.1	2. 53. 0.42		58.10	49.99	51.89		.....	
	44	μ 2 L.....	E	0.3	2.9	5.3	10.6	13.2	15.7	23.3	25.8	28.4	31.0	2. 56. 15.77		50.93	42.82	51.89		.....	
	45	γ 1 Arietis.....	E	42.2	44.8	47.4	52.7	55.3	58.1	5.9	8.4	11.2	13.6	3. 14. 58.08						.....	
	46	γ 1 Arietis.....(E&E)	E	57.6	13.5	29.4	45.4	...	...	...	...	...	...	3. 14. 58.15						.....	
	47	f Tauri.....	E	35.6	38.2	40.6	45.7	48.3	50.9	58.3	0.9	3.4	5.8	3. 24. 50.89						.....	
Sept. 8	48	$\odot$ 1 L.....	S	13.6	16.2	18.5	23.7	26.2	28.7	35.9	38.3	40.9	43.2	11. 2. 28.64	(- 4.81)					11. 4. 24.85	
	49	$\odot$ 2 L.....	S	22.0	24.4	26.8	32.2	34.4	37.1	44.2	46.8	49.3	51.7	11. 4. 37.01	[+ 7.14]	32.95				.....	
Sept. 9	50	α 1 Eridani.....	W	...	...	...	21.5	24.0	26.3	33.7	36.2	38.8	41.2	4. 6. 26.46	(- 4.03)	26.73	18.09	51.36	51.48	.....	
	51	48 Tauri.....	W	20.9	23.3	26.0	31.3	33.5	36.2	43.9	46.5	48.8	51.3	4. 9. 36.29		36.37			[- 0.24]	4. 10. 27.81	

Correction to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, No. 46, - 107^s.23.Corrections for passage of Semidiameter, Nos. 9, 23, 29, and 44, - 62^s.62: - 62^s.47: + 0^s.79: and - 62^s.75.

6. Observed over wire T with the transit-micrometer set to readings 35^s.650, 35^s.707, 35^s.785, 35^s.880, 35^s.949, 36^s.014, 36^s.120, 36^s.185, 36^s.236, 36^s.300.
8. Reduction to μ 's centre at time of transit of Crater - 12^s.84. A further correction of - 0^s.44 has been applied to reduce to time of transit of μ 's centre on true meridian.
- 9, 23, 44. Correction to R.A. on true meridian, + 0^s.01.
10. Observed over wire T with the transit-micrometer set to readings 37^s.376, 37^s.408, 37^s.428, 37^s.444, 37^s.642, 37^s.679, 36^s.714, 36^s.741, 36^s.838, 37^s.858.
17. Observed over wire T with the transit-micrometer set to readings 38^s.389, 38^s.487, 38^s.618, 38^s.983, 39^s.093, 39^s.162, 39^s.538, 39^s.617, 39^s.682, 40^s.012.
19. Observed over wire T with the transit-micrometer set to readings 36^s.073, 35^s.999, 35^s.902, 35^s.673, 35^s.623, 35^s.558, 35^s.343, 35^s.233, 35^s.162, 34^s.951.
22. Reduction to μ 's centre at time of transit of Crater - 11^s.90. A further correction of - 0^s.40 has been applied to reduce to time of transit of μ 's centre on true meridian.
28. Observed over wire T with the transit-micrometer set to readings 37^s.516, 37^s.442, 37^s.400, 37^s.315, 37^s.236, 37^s.127, 37^s.070, 36^s.980, 36^s.905, 36^s.835.
32. Observed over wire U with the transit-micrometer set to readings 36^s.286, 36^s.104, 35^s.856, 35^s.718, 35^s.541, 35^s.420, 35^s.190, 35^s.054, 34^s.808, 34^s.713.
38. Observed over wire T with the transit-micrometer set to readings 34^s.644, 34^s.920, 35^s.203, 35^s.344, 35^s.606, 35^s.740, 35^s.956, 36^s.120, 36^s.351, 36^s.592. 50, 51. Very diffused.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908G0A0W...

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock ap- par- ently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Lossing Rate].	Apparent R.A. of Centre from the Observation.		
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.									
				s	s	s	s	s	s	s	s	s	s									
												h	m	s		s	s	s		h	m	s
Sept. 8	1	γ Tauri.....	W	21.3	23.9	26.4	31.6	34.2	36.7	44.0	46.7	49.5	51.9	4. 13. 36.74	+ 0.18	36.82	28.32	51.50	51.48	.....		
	2	Aldebaran.....	W	26.3	28.8	31.3	36.3	39.0	41.6	49.1	52.0	54.5	56.7	4. 29. 41.68	(- 4.03)	41.75	33.23	51.48	[- 0.24]	.....		
	3	Mösting A.....	W	17.6	20.2	22.8	28.4	31.1	33.9	41.4	44.2	46.8	49.3	4. 33. 33.69	[+ 7.14]	33.75				4. 34. 18.39		
	4	δ 2 L.....	W	15.3	17.7	20.5	25.8	28.7	31.3	39.0	41.5	44.2	46.9	4. 34. 31.21		31.27				4. 34. 18.51		
	5	ε Leporis.....	W	21.8	24.6	27.6	32.8	35.4	38.0	45.9	48.6	51.2	53.8	5. 0. 38.09		38.51	29.94	51.43		.....		
	6	Mercury.....	RC	58.8	1.4	3.7	8.9	11.5	14.1	21.4	24.0	26.6	29.1	10. 27. 14.05	+ 0.74	14.26			51.41	10. 28. 5.57		
Sept. 10	7	⊙ 1 L.....	RC	26.1	28.3	31.0	36.0	38.4	41.1	48.2	51.0	53.4	55.8	11. 9. 41.05	(- 2.99)							
	8	⊙ 2 L.....	RC	34.2	36.6	39.0	44.2	46.5	49.0	56.3	58.8	1.4	3.8	11. 11. 49.10	[+ 7.13]	45.34				11. 11. 36.64		
	9	Spica.....	RC	7.6	10.3	12.9	18.1	20.5	23.1	30.3	32.9	35.4	38.1	13. 19. 23.04		23.42	14.75	51.33		13. 20. 14.70		
	10	Polaris S.P.....	RC	39.0	48.5	56.0	5.7	9.2	26.4	29.8	34.3	45.5	52.3	13. 25. 12.88		32.39	25.01	52.62		1. 26. 23.67		
	11	Venus 1 L.....	RC	9.2	11.7	14.2	19.5	22.0	24.5	32.0	34.4	36.9	39.6	13. 59. 24.52		24.94				14. 0. 17.03		
	12	Arcturus.....	RC	15.3	17.9	20.7	25.7	28.7	31.3	38.9	41.6	44.1	46.8	14. 10. 31.22		31.36	22.57	51.21		14. 11. 22.63		
	13	ε Boötis.....	RC	...	...	...	56.2	59.0	1.7	10.0	12.9	15.6	18.4	14. 40. 1.85		1.92	53.09	51.17		14. 40. 53.18		
	14	α Coronæ.....	RC	34.8	37.6	40.2	46.1	48.9	51.6	59.7	2.6	5.3	8.0	15. 29. 51.61		51.69	42.90	51.21		15. 30. 42.95		
	15	α Serpentis.....	RC	32.6	35.0	37.6	42.6	45.0	47.4	54.8	57.3	59.6	2.2	15. 38. 47.53		47.78	39.04	51.26		15. 39. 39.03		
	16	δ Ursæ Minoris.....	RC	13.2	20.5	25.4	37.6	42.1	45.9	55.6	0.7	5.6	17.6	18. 1. 48.80		42.24	33.24	51.00		18. 2. 33.47		
	17	η Serpentis.....	RC	22.0	24.4	27.0	31.9	34.5	37.0	44.1	46.7	49.2	51.6	18. 15. 36.06		37.28	28.47	51.19		18. 16. 28.51		
	18	Uranus.....	RC	33.5	36.1	38.8	44.5	47.1	49.6	57.5	0.5	3.2	5.9	18. 18. 49.79		50.30				18. 19. 41.53		
	19	ε Serpentis.....	R	RC	42.5	45.0	47.6	52.5	55.0	57.3	4.7	7.2	9.6	12.1	18. 23. 57.48		58.04				18. 24. 49.27	
	20	110 Herculis.....	R	RC	31.3	33.7	36.3	41.6	44.1	47.0	54.7	57.3	59.9	2.7	18. 40. 46.98		47.47				18. 41. 38.69	
	21	Cephei 51 S.P.....	RC	37.3	45.0	50.3	59.9	5.0	9.8	19.5	23.5	27.2	37.1	18. 55. 41.23		49.67	40.54	50.87		6. 56. 40.89		
	22	λ Ursæ Minoris.....	RC	46.5	54.7	58.9	11.7	16.3	22.2	35.3	42.6	48.0	0.7	19. 15. 28.83		5.90	54.30	48.40		19. 15. 57.12		
	23	α Vulpeculæ.....	RC	41.7	44.7	47.3	52.9	55.6	58.2	6.1	8.8	11.6	14.3	19. 23. 58.25		58.36	49.58	51.22		19. 24. 49.58		
	24	Groombridge 1119 S.P.....	RC	58.6	6.7	11.7	22.7	27.9	33.0	44.3	49.7	55.6	6.8	20. 2. 48.94		10.32	59.99	49.67		8. 4. 1.53		
	25	β Capricorni.....	RC	39.1	41.6	44.2	49.6	52.0	54.6	1.9	4.7	7.2	9.6	20. 14. 54.57		55.00	46.25	51.25		20. 15. 46.21		
	26	ι Capricorni.....	RC	56.3	58.7	1.2	6.5	9.1	11.6	19.2	21.8	24.3	26.9	21. 16. 11.68		12.12	3.38	51.26		21. 17. 3.32		
	27	Groombridge 3548.....	RC	16.0	21.7	28.6	39.0	43.5	47.6	58.1	2.9	8.2	21.4	21. 17. 59.85		53.22	44.63	51.41		21. 18. 44.42		
	28	Saturn 1 L.....	RC	41.6	44.1	46.6	51.6	54.0	56.7	3.7	6.3	9.0	11.6	22. 52. 56.64						22. 53. 48.80		
	29	Saturn 2 L.....	RC	42.9	45.2	47.6	52.9	55.2	57.8	5.1	7.6	10.2	12.8	22. 52. 57.85						23. 0. 7.35		
	30	α Pegasi.....	RC	0.7	3.0	5.7	10.9	13.4	15.9	23.3	26.0	28.6	31.2	22. 59. 15.99		16.17	7.34	51.17		.....		
	31	α Pegasi..... (E&E)	RC	17.2	32.6	47.7	2.9	18.3	33.4	49.0	...	...	...	22. 59. 15.89		16.07	7.34	51.27		23. 12. 20.20		
	32	γ Piscium.....	d	RC	13.8	16.3	18.6	23.9	26.2	28.7	...	...	...	23. 11. 28.74		29.02	20.17	51.15		23. 12. 20.08		
	33	γ Piscium.....	r	RC	...	...	...	...	...	35.9	38.3	40.9	43.2	23. 11. 28.62		28.90	20.17	51.27		23. 28. 15.84		
	34	Bradley 3147.....	RC	2.1	7.7	12.9	23.6	27.9	31.6	42.4	46.5	50.7	1.4	23. 27. 31.58		24.66	16.36	51.70		23. 37. 24.40		
	35	Vesta.....	RC	17.4	20.0	22.5	27.8	30.3	32.8	40.3	42.7	45.2	47.9	23. 36. 32.81		33.23				23. 54. 31.57		
	36	ω Piscium.....	RC	25.3	27.6	30.2	35.1	37.6	40.0	47.3	50.0	52.2	55.0	23. 53. 40.15		40.40	31.63	51.23		.....		
	37	ω Piscium..... (E&E)	RC	42.8	57.5	12.6	27.2	41.7	56.9	11.9	...	...	...	23. 53. 40.09		40.34	31.63	51.29		5. 25. 16.04		
	38	δ 2 L.....	JS	13.8	16.6	19.2	24.7	27.3	30.0	37.8	40.7	43.2	45.8	5. 25. 30.03	(- 2.24)	30.26			50.94	.....		
	39	ε Orionis.....	JS	21.6	24.1	26.6	31.6	33.8	36.5	43.7	46.2	48.5	51.3	5. 30. 36.50	[+ 8.07]	36.89	27.77	50.88		.....		
	40	κ Orionis.....	JS	12.4	15.0	17.4	22.5	25.1	27.6	34.8	37.6	40.1	42.3	5. 42. 27.60		28.06	18.91	50.85		.....		
	41	α Orionis.....	JS	59.6	2.5	5.0	9.8	12.3	14.9	22.2	24.7	27.3	29.6	5. 49. 14.91		15.23	6.14	50.91		.....		
	42	γ ¹ Leonis.....	SD	...	...	...	...	...	...	4.1	6.6	9.3	11.8	10. 13. 56.29	[+ 6.15]	56.44	47.56	51.12	51.24	10. 14. 47.62		
Sept. 11	43	⊙ 1 L.....	SD	1.9	4.3	6.8	11.7	14.5	17.0	24.2	26.7	29.0	31.6	11. 13. 16.89						11. 15. 12.43		
	44	⊙ 2 L.....	SD	10.1	12.7	15.1	19.8	22.4	25.2	32.4	35.0	37.6	39.7	11. 15. 25.12						14. 4. 9.01		
	45	Venus 1 L.....	SD	1.2	3.9	6.5	11.3	14.2	16.7	23.9	26.8	29.2	31.6	14. 2. 16.65		17.03				15. 30. 42.88		
	46	α Coronæ.....	SD	34.9	37.7	40.4	46.1	48.8	51.7	59.7	2.4	5.3	8.1	15. 29. 51.64		51.74	42.88	51.14		.....		
	47	Cephei 51 S.P.....	SD	48.8	54.7	0.3	12.4	15.3	19.3	33.3	37.3	42.0	57.7	18. 55. 42.20		49.00	41.04	52.04		18. 55. 23.19		
	48	ε Aquilæ.....	SD	16.4	19.0	21.5	26.5	26.3	31.9	39.4	42.0	44.5	47.2	18. 54. 31.89		32.07	23.17	51.10		19. 1. 7.24		
	49	ζ Aquilæ.....	R	SD	0.3	2.9	5.3	10.6	13.0	15.7	23.1	25.7	28.3	19. 0. 15.69		16.12	7.23	51.11		19. 13. 26.20		
	50	ω Aquilæ.....	SD	19.7	22.2	24.6	29.8	32.3	34.8	42.3	44.7	47.3	49.8	19. 12. 34.87		35.08	26.17	51.09		.....		
	51	λ Ursæ Minoris.....	SD	12.9	19.4	23.1	27.5	42.5	47.7	51.3	3.9	10.4	15.1	19. 15. 21.06		2.69	52.06	50.27		19. 24. 49.65		
	52	α Vulpeculæ.....	SD	42.0	44.7	47.4	53.0	55.7	58.4	6.4	9.0	11.7	14.4	19. 23. 58.40		58.53	49.56	51.03				

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 31, and 37, - 107^s.20: and - 107^s.22.
Corrections for passage of Semidiameter, Nos. 4, 11, 38, and 45, - 64^s.20: + 0^s.82: - 65^s.12: and + 0^s.83.

- 1, 2. Very diffused.
3. Reduction to D's centre at time of transit of Crater - 6^s.56. A further correction of - 0^s.23 has been applied to reduce to time of transit of D's centre on true meridian.
- 4, 38. Correction to R.A. on true meridian + 0^s.01.
6. A correction of - 0^s.038 × 42 = - 0^s.02 for defect of illumination has been applied in forming the concluded transit. Very diffused.
10. Observed over wire T with the transit-micrometer set to readings 36^s.812, 36^s.723, 36^s.674, 36^s.545, 36^s.536, 36^s.390, 36^s.342, 36^s.314, 36^s.248, 36^s.174.
16. Observed over wire S with the transit-micrometer set to readings 34^s.720, 34^s.913, 35^s.024, 35^s.324, 35^s.414, 35^s.517, 35^s.766, 35^s.882, 35^s.978, 36^s.286.
21. Observed over wire P with the transit-micrometer set to readings 37^s.543, 37^s.395, 37^s.307, 37^s.148, 37^s.021, 36^s.914, 36^s.720, 36^s.628, 36^s.563, 36^s.365.
22. Observed over wire U with the transit-micrometer set to readings 34^s.039, 34^s.095, 34^s.122, 34^s.228, 34^s.256, 34^s.307, 34^s.378, 37^s.439, 37^s.472, 34^s.583.
24. Observed over wire R with the transit-micrometer set to readings 36^s.566, 36^s.498, 36^s.452, 36^s.392, 36^s.322, 36^s.264, 36^s.220, 36^s.150, 36^s.109, 36^s.011.
27. Observed over wire T with the transit-micrometer set to readings 34^s.966, 35^s.117, 35^s.233, 35^s.514, 35^s.618, 35^s.706, 35^s.980, 36^s.090, 36^s.165, 36^s.498.
- 32, 33. Extremely diffused.
34. Observed over wire S with the transit-micrometer set to readings 34^s.975, 35^s.124, 35^s.233, 35^s.480, 35^s.578, 35^s.642, 35^s.906, 35^s.998, 36^s.100, 36^s.350.
45. Extremely diffused.
47. Observed over wire V with the transit-micrometer set to readings 36^s.697, 36^s.577, 36^s.458, 36^s.210, 36^s.1

MONTH	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Sept. 11	1	Groombridge 1119 S.P.	SD	59.0	7.8	12.2	24.0	27.9	31.9	34.4	46.0	49.8	54.7	20. 2. 52.33	+ 0.74	9.52	1.06	51.54	51.24	.....
	2	ε Pegasi	SD	30.2	32.6	35.2	40.3	42.9	45.3	52.4	55.2	57.7	0.1	21. 38. 45.31	(- 2.24)	45.53	36.67	51.14	[- 0.15]	21. 39. 36.63
	3	δ Capricorni	SD	...	...	...	57.2	59.6	2.2	9.8	12.2	15.0	17.7	21. 41. 2.26	[+ 6.15]	2.65	53.82	51.17	.....	21. 41. 53.75
	4	Saturn 1 L.	SD	25.0	27.3	29.8	34.9	37.5	40.0	47.2	49.7	52.3	54.7	22. 52. 39.96						
	5	Saturn 2 L.	SD	26.2	28.7	31.0	36.2	38.7	41.3	48.5	51.1	53.5	56.0	22. 52. 41.24		40.94				22. 53. 32.04
	6	α Pegasi	SD	...	...	...	10.8	13.4	16.0	23.7	26.1	28.6	31.2	22. 59. 16.05		16.23	7.35	51.12		23. 0. 7.33
	7	Bradley 3147	SD	8.0	13.0	17.2	22.0	38.2	41.8	49.0	2.0	5.3	8.3	23. 27. 30.50		24.98	16.38	51.40		.....
	8	Vesta	SD	23.0	25.4	27.9	33.1	35.8	38.3	45.8	48.3	51.0	53.4	23. 35. 38.32		38.70				23. 36. 29.79
	9	δ Sculptoris	SD	55.9	58.8	1.7	7.3	10.0	12.7	21.0	23.8	26.6	29.5	23. 43. 12.86		13.35	4.48	51.13		23. 44. 4.44
	10	ω Piscium	SD	25.3	27.7	30.2	35.5	37.9	40.3	47.7	50.2	52.5	55.0	23. 53. 40.35		40.59	31.64	51.05		23. 54. 31.68
	11	2 Ceti	SD	51.0	53.3	56.0	1.3	4.0	6.6	14.1	16.7	19.3	21.7	23. 58. 6.52		6.92	58.03	51.11		23. 58. 58.01
Sept. 13	12	D 2 L	JS	34.7	37.3	40.0	45.4	47.9	50.7	58.4	1.4	4.0	6.7	8. 5. 50.77	(- 2.98)	50.85			50.81	8. 5. 34.70
Sept. 14	13	μ Aquarii	W	47.8	50.2	52.8	57.9	0.3	3.0	10.1	12.7	15.2	17.8	20. 46. 46.47	[+ 5.45]	46.74	37.47	50.73		.....
	14	ζ Cygni	W	50.8	53.3	56.2	2.0	5.0	7.9	16.0	19.0	21.9	24.7	21. 8. 7.81		7.81	58.59	50.78		.....
	15	α Equulei	W	4.0	6.7	9.0	14.0	16.4	19.0	26.3	28.8	31.2	33.6	21. 10. 19.02		19.20	9.92	50.72		.....
Sept. 15	16	⊙ 1 L.	JS	...	...	...	34.7	37.3	39.9	...	...	...	...	11. 27. 39.82	(- 2.40)				50.46	11. 29. 34.43
	17	⊙ 2 L.	JS	...	35.2	37.7	42.8	45.3	48.0	55.1	57.7	0.0	...	11. 29. 47.85	[+ 4.75]	44.01			[- 0.09]	.....
	18	ζ Cygni	JS	51.2	53.9	56.7	2.5	5.4	8.3	16.6	19.5	22.4	25.2	21. 8. 8.30		8.33	58.58	50.25		.....
	19	α Equulei	JS	4.4	7.0	9.3	14.4	16.8	19.4	26.4	29.2	31.7	34.0	21. 10. 19.38		19.55	9.91	50.36		.....
	20	Groombridge 3548	JS	8.0	11.9	15.3	21.2	9.0	14.2	19.6	9.0	15.3	20.1	21. 17. 57.58		53.06	43.34	50.28		.....
	21	ε Pegasi	JS	31.0	33.5	36.0	41.0	43.5	46.0	53.4	55.9	58.3	0.9	21. 38. 46.07		46.22	36.65	50.43		.....
	22	ζ Pegasi	JS	43.3	45.9	48.3	53.3	55.9	58.4	5.8	8.3	10.8	13.5	22. 35. 58.47		58.61	49.03	50.42		.....
	23	ζ Pegasi (E&E)	JS	1.2	16.3	31.4	46.6	1.4	16.2	31.3	...	...	...	22. 35. 58.27		58.41	49.03	50.62		.....
	24	μ Pegasi	JS	23.9	26.4	29.3	34.7	37.6	40.2	48.0	50.8	53.7	56.3	22. 44. 40.22		40.28	30.69	50.41		.....
	25	μ Pegasi (E&E)	JS	39.5	55.5	11.7	27.9	44.2	2.0	16.2	...	...	...	22. 44. 39.82		39.88	30.69	50.81		.....
	26	Saturn 1 L.	JS	18.4	21.1	23.7	28.7	31.2	33.7	41.0	43.5	45.9	48.4	22. 51. 33.68						
	27	Saturn 2 L.	JS	19.7	22.3	24.5	29.8	32.2	34.7	42.1	44.6	47.0	49.6	22. 51. 34.77		34.48				22. 52. 24.85
	28	Bradley 3147	JS	55.7	0.3	6.3	20.5	27.8	32.2	51.6	56.1	0.2	10.4	23. 27. 30.48		25.77	16.25	50.48		.....
	29	ι Piscium	JS	...	...	9.0	14.0	16.4	18.9	26.3	28.8	...	...	23. 34. 19.00		19.17	9.56	50.39		.....
	30	δ Sculptoris	JS	56.8	59.7	2.3	8.0	10.8	13.7	21.9	25.0	27.8	30.3	23. 43. 13.76		14.15	4.52	50.37		.....
Sept. 18	31	Arcturus	RC	16.1	18.9	21.3	26.4	29.2	32.0	39.7	42.4	44.8	47.7	14. 10. 31.97	+ 0.51	32.10	22.47	50.37	50.44	.....
	32	ε² Bootis	RC	45.8	48.4	51.4	57.0	59.8	2.5	10.8	13.7	16.2	19.0	14. 40. 2.59	(- 2.05)	2.67	52.97	50.30	[- 0.16]	.....
Sept. 20	33	γ Aquilæ	E	44.2	46.5	49.1	54.2	56.7	59.3	6.7	9.2	11.7	14.2	19. 40. 59.30	[+ 5.67]	59.49	49.39	49.90	50.09	.....
	34	α Aquilæ	E	8.6	11.2	13.6	18.7	21.2	23.8	31.0	33.7	36.0	38.4	19. 45. 23.74		23.94	13.81	49.87	[- 0.20]	.....
	35	Groombridge 1119 S.P.	E	21.0	27.7	33.9	52.2	57.4	11.7	17.7	23.9	43.7	49.3	20. 3. 4.64		21.03	10.96	49.93		.....
	36	ε Aquarii	E	32.3	34.7	37.2	42.3	45.0	47.6	54.6	57.3	59.8	2.3	20. 41. 47.43		47.73	37.63	49.90		.....
	37	Groombridge 3548	E	56.0	4.8	9.7	31.3	36.2	51.0	57.7	2.3	23.0	27.3	21. 17. 57.07		52.00	42.09	50.09		.....
	38	ε Pegasi	E	31.7	33.8	36.2	41.4	43.8	46.4	53.8	56.3	59.0	1.3	21. 38. 46.49		46.69	36.61	49.92		.....
	39	γ Aquarii	E	45.6	47.9	50.4	55.4	58.0	0.5	7.8	10.2	12.6	15.0	22. 16. 0.46		0.71	50.64	49.93		.....
	40	Bradley 3147	E	18.3	27.3	33.0	56.0	2.0	17.2	23.0	28.4	47.2	55.0	23. 27. 31.49		26.21	16.03	49.82		.....
	41	ι Piscium	E	4.6	7.0	9.3	14.3	16.9	19.4	...	...	...	...	23. 34. 19.42		19.63	9.59	49.96		.....
	42	ι Piscium	E	...	...	...	...	...	...	26.7	29.3	31.9	34.4	23. 34. 19.60		19.81	9.59	49.78		.....
	43	ω Piscium	E	26.8	29.2	31.6	36.9	39.2	41.7	...	...	...	...	23. 53. 41.75		41.95	31.71	49.76		.....
	44	ω Piscium	E	...	...	...	...	...	...	48.8	51.6	53.9	56.3	23. 53. 41.65		41.85	31.71	49.86		.....
Sept. 22	45	⊙ 1 L.	W	33.6	36.0	38.4	43.5	45.9	48.3	55.6	58.1	0.7	3.2	11. 52. 48.45	(- 2.05)	48.70			49.68	11. 54. 42.26
	46	Polaris S.P.	W	59.3	2.7	6.4	9.4	23.3	27.4	31.0	34.9	50.9	54.4	13. 25. 25.90	[+ 6.12]	41.79	31.26	49.47	[- 0.25]	.....
	47	θ Capricorni	W	...	...	...	47.2	49.6	52.4	0.1	2.7	5.5	7.9	20. 59. 52.48		52.87	42.28	49.41		.....
	48	ζ Cygni	E	...	...	...	...	6.1	9.0	17.2	20.2	23.0	25.7	21. 8. 8.95		9.01	58.49	49.48	49.72	.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 23, and 25, - 108^s.15 : and - 108^s.15.
 Corrections for passage of Semidiameter, Nos. 12, and 45, - 66^s.94 : and + 64^s.00.

- Observed over wire T with the transit-micrometer set to readings 37^s.346, 37^s.282, 37^s.230, 37^s.160, 37^s.110, 37^s.090, 37^s.050, 36^s.972, 36^s.938, 36^s.902.
- Observed over wire T with the transit-micrometer set to readings 35^s.483, 35^s.590, 35^s.695, 35^s.810, 36^s.170, 36^s.257, 36^s.433, 36^s.700, 36^s.790, 36^s.882.
- Correction to R.A. on true meridian + 0^s.01.
- Reading of transit micrometer 42^s.587, reduced to normal reading in forming the concluded transit.
- Observed over wire T with the transit-micrometer set to readings 32^s.003, 32^s.093, 32^s.174, 32^s.288, 33^s.414, 33^s.541, 33^s.678, 34^s.860, 34^s.987, 35^s.098.
- Observed over wire T with the transit-micrometer set to readings 35^s.213, 35^s.346, 35^s.445, 35^s.745, 35^s.916, 36^s.057, 36^s.483, 36^s.588, 36^s.665, 36^s.909.
- Observed over wire T with the transit-micrometer set to readings 34^s.009, 33^s.984, 33^s.919, 33^s.784, 33^s.742, 33^s.633, 33^s.581, 33^s.548, 33^s.367, 33^s.329.
- Observed over wire T with the transit-micrometer set to readings 34^s.557, 34^s.765, 34^s.873, 35^s.400, 35^s.519, 35^s.865, 36^s.009, 36^s.118, 36^s.590, 36^s.720.
- Observed over wire T with the transit-micrometer set to readings 34^s.338, 34^s.535, 34^s.674, 35^s.199, 35^s.312, 35^s.699, 35^s.808, 35^s.931, 36^s.347, 36^s.541.
- Observed over wire T with the transit-micrometer set to readings 40^s.291, 40^s.253, 40^s.240, 40^s.202, 40^s.080, 40^s.042, 40^s.030, 39^s.989, 39^s.818, 39^s.820.
- Very ill-defined.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908 GUAMM. 1. 6

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at oh Sidereal and [Losing Rate].	Apparent of Centre from the Observation.					
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		[Level].											
															[Azimuth].	"										
																						s	m	s		
																				s	s	s	s	h	m	s
Sept. 22	1	α Equulei	E	5'3	7'6	10'1	15'0	17'4	20'0	27'3	29'8	32'4	35'0	21. 10. 20'11	+ 0'51		20'34	9'85	49'51	[- 0'25]	.....					
	2	α Aquarii	W	55'3	57'6	0'2	5'2	7'7	9'9	17'4	19'9	22'3	24'7	22. 0. 10'14	(- 2'05)		10'41	59'89	49'48	49'68	.....					
	3	ι Pegasi	W	34'7	37'3	40'1	45'6	48'3	51'1	59'1	1'7	4'6	7'4	22. 1. 51'12	[+ 6'12]		51'22	40'69	49'47		.....					
	4	Saturn 1 L.	W	26'0	28'5	30'9	35'8	38'5	41'0	48'5	50'8	53'4	55'7	22. 49. 41'03												
	5	Saturn 2 L.	W	27'2	29'7	32'2	37'2	39'6	42'2	49'6	52'2	54'7	57'2	22. 49. 42'30			42'00				22. 50. 31'44					
Sept. 24	6	δ 1 L.	E	9'1	11'6	14'3	19'8	22'5	25'4	33'3	35'8	38'8	41'4	17. 31. 25'32	+ 0'40		25'69			49'15	17. 33. 26'30					
	7	μ Herculis	E	41'7	44'5	47'3	53'0	55'7	58'6	6'7	9'5	12'4	15'2	17. 41. 58'59	(- 1'29)		58'69	47'67	48'98	[- 0'28]	.....					
	8	δ 9 Herculis	E	33'2	35'6	38'5	44'1	46'8	49'6	57'6	0'5	3'2	5'9	17. 50. 49'63	[+ 5'46]		49'74	38'67	48'93		.....					
	9	δ Ursæ Minoris	E	59'7	5'1	8'8	27'7	32'7	40'2	50'0	54'6	12'3	17'0	18. 1. 42'43			38'13	27'29	49'16		.....					
	10	μ Sagittarii	E	5'0	7'6	10'0	15'5	18'1	20'8	28'6	31'4	33'7	36'6	18. 7. 20'85			21'23	10'17	48'94		.....					
	11	λ Ursæ Minoris	E	51'0	56'6	1'6	27'5	32'8	47'7	52'4	57'3	19'0	23'8	19. 15. 2'38			47'20	35'40	48'20		.....					
	12	μ Aquilæ	E	27'6	29'9	32'5	37'6	40'0	42'5	49'7	52'3	54'6	57'4	19. 28. 42'53			42'75	31'68	48'93		.....					
	13	γ Aquilæ	E	45'1	47'6	50'0	55'2	57'6	0'2	7'6	10'1	12'5	15'1	19. 41. 0'22			0'43	49'32	48'89		.....					
	Sept. 25	14	$\odot$ 1 L.	J	21'7	24'1	26'6	31'6	34'0	36'7	44'0	46'6	48'8	51'5	12. 3. 36'68	[+ 4'32]		40'95			48'30	12. 5. 29'12				
15		$\odot$ 2 L.	J	29'9	32'2	34'7	39'8	42'4	44'8	52'1	54'6	57'0	59'5	12. 5. 44'82						[- 0'25]	.....					
16		Polaris S.P.	J	29'2	56'3	3'9	12'0	22'0	36'8	45'1	51'8	0'6	9'2	13. 25. 30'40			41'12	32'90	51'78		1. 26. 29'28					
17		Arcturus	J	18'3	20'9	23'7	28'9	31'4	34'1	...	...	...	...	14. 10. 34'16			34'28	22'41	48'13		14. 11. 22'43					
18		Arcturus	J	...	...	...	...	...	...	41'6	44'4	47'2	49'8	14. 10. 34'14			34'26	22'41	48'15		14. 11. 22'41					
19		ϵ^2 Boötis	J	47'7	50'7	53'5	59'2	1'8	4'8	12'9	15'4	18'6	21'3	14. 40. 4'72			4'79	52'89	48'10		14. 40. 52'94					
20		Venus 1 L.	J	26'8	29'3	31'9	37'2	39'8	42'5	50'2	53'0	55'6	58'2	14. 56. 42'57			42'86				14. 57. 31'99					
21		α Coronæ	J	37'7	40'3	43'2	48'9	51'7	54'6	2'7	5'3	8'1	10'9	15. 29. 54'47			54'54	42'64	48'10		15. 30. 42'68					
22		α Serpentis	J	35'6	38'1	40'5	45'5	47'7	50'7	57'7	0'5	2'9	5'3	15. 38. 50'57			50'74	38'81	48'07		15. 39. 38'88					
23		ϵ Serpentis	J	5'2	7'7	10'1	15'0	17'8	20'1	27'3	29'8	32'2	34'9	15. 45. 20'13			20'31	8'40	48'09		15. 46. 8'45					
24		δ Ophiuchi	J	22'7	25'1	27'6	32'5	35'0	37'6	44'7	47'3	49'8	52'2	16. 8. 37'57			37'78	25'92	48'14		16. 9. 25'91					
25		ζ Herculis	SE	39'0	41'5	44'7	50'5	53'3	56'3	4'9	7'5	10'7	13'6	16. 36. 56'33			56'37	44'96	48'59	48'76	.....					
26		δ Ursæ Minoris	J	51'6	55'6	59'2	10'5	13'3	16'0	26'1	29'7	33'7	37'4	18. 1. 41'95			38'39	26'82	48'43	48'30	18. 2. 26'50					
27		μ Sagittarii	J	5'9	8'3	11'1	16'6	19'1	21'6	29'5	32'2	34'8	37'4	18. 7. 21'77			22'06	10'15	48'09		18. 8. 10'17					
28		η Serpentis	J	25'0	27'4	29'8	34'8	37'4	39'8	47'0	49'6	52'0	54'5	18. 15. 39'85			40'06	28'20	48'14		18. 16. 28'17					
29		Uranus	J	50'0	52'7	55'4	0'8	3'5	6'4	14'1	16'8	19'5	22'3	18. 19. 6'27			6'58				18. 19. 54'69					
30		δ 1 L.	J	24'8	27'8	30'3	35'6	38'3	41'2	49'3	52'1	54'9	57'5	18. 33. 41'30			41'60				18. 35. 41'32					
31		Cephei 51 S.P.	J	43'7	49'2	59'2	2'6	7'5	22'0	25'6	29'5	41'7	47'9	18. 55. 54'56			59'22	48'10	48'88		6. 56. 47'32					
32		λ Ursæ Minoris	J	20'3	24'3	27'3	39'3	43'9	48'0	8'6	1'6	5'9	17'3	19. 14. 57'54			45'02	33'86	48'84		19. 15. 33'12					
33		α Vulpeculæ	J	44'7	47'2	50'0	55'5	58'3	1'1	9'0	11'7	14'4	17'2	19. 24. 1'04			1'13	49'30	48'17		19. 24. 49'23					
34		Groombridge 1119 S.P.	J	54'6	58'8	3'3	18'0	22'5	26'5	39'0	42'8	46'3	57'8	20. 3. 16'33			28'06	16'76	48'70		8. 4. 16'15					
35		α^2 Capricorni	J	...	...	53'9	59'2	1'5	4'0	11'7	14'3	...	...	20. 12. 4'20			4'46	52'56	48'10		20. 12. 52'55					
36		ρ Capricorni	S	27'7	30'1	32'5	38'0	40'6	43'3	50'8	53'4	55'9	58'5	20. 22. 43'20			43'49	32'25	48'76	49'04	.....					
37		ϵ Delphini	S	33'9	36'5	39'3	44'8	47'7	50'3	58'3	1'3	3'8	6'6	20. 27. 50'37			50'52	45'42	48'90		.....					
38		α Equulei	J	6'7	9'0	11'3	16'5	19'0	21'6	28'8	31'3	33'8	36'2	21. 10. 21'54			21'72	9'81	48'09	48'30	21. 11. 9'80					
39		Groombridge 3548	J	39'8	44'6	49'5	2'7	5'9	10'3	24'5	27'8	31'2	43'7	21. 17. 55'61			52'01	40'74	48'73		21. 18. 40'09					
40		Saturn 1 L.	J	40'4	42'8	45'4	50'3	53'1	55'7	2'8	5'4	7'8	10'3	22. 48. 55'52												
41		Saturn 2 L.	J	41'8	44'0	46'7	51'9	54'3	56'8	4'0	6'7	9'2	11'5	22. 48. 56'81			56'41				22. 49. 44'47					
42		Vesta	J	54'7	57'2	59'8	4'8	7'3	10'0	17'6	20'2	22'6	25'2	23. 23. 10'06			10'34				23. 23. 58'40					
43		Bradley 3147	J	24'7	29'3	33'2	46'6	51'1	55'0	10'0	14'0	18'3	21'7	23. 27. 31'03			27'28	15'86	48'58		23. 28. 15'34					
44		ι Piscium	J	6'5	8'8	11'2	16'4	18'8	21'2	28'5	31'0	33'5	35'8	23. 34. 21'29			21'47	9'60	48'13		23. 35. 9'52					
45	λ Pegasi	J	22'8	25'5	28'0	33'1	35'8	38'0	45'7	48'0	50'8	53'3	0. 7. 38'22			38'35	26'43	48'08	48'05	0. 8. 26'40						
46	Bradley 1672 S.P.	J	22'0	26'0	29'6	43'8	47'5	51'1	8'0	12'2	15'8	27'8	0. 12. 39'32			46'56	33'70	47'14		12. 13. 34'61						
47	β Ceti	J	50'9	53'3	56'0	1'3	4'0	6'7	14'3	17'0	19'2	22'0	0. 38. 6'61			6'90	54'89	47'99		0. 38. 54'94						
48	Regulus	JS	18'8	21'3	23'8	28'9	31'4	34'0	41'3	43'9	46'5	49'0	10. 2. 34'01	(- 0'95)		34'19	22'37	48'18	48'24	10. 3. 22'37						
49	γ^1 Leonis	JS	43'7	46'0	48'8	54'1	56'8	59'4	7'1	9'8	12'3	15'0	10. 13. 59'42	[+ 4'88]		59'57	47'78	48'21	[- 0'15]	10. 14. 47'75						
Sept. 26	50	λ Ursæ Minoris	JS	59'3	13'5	27'6	41'6	55'3	9'4	25'4	40'1	53'1	...	19. 14. 56'14			43'36	32'29	48'93		.....					
	51	δ 1 L.	JS	0'4	3'1	5'9	11'3	14'0	16'7	24'9	27'7	30'3	33'0	19. 35. 16'85			17'18				19. 37. 16'12					

Corrections for passage of Semidiameter, Nos. 6, 20, 30, and 51, $+71^{\circ}64'$: $+0^{\circ}99'$: $+71^{\circ}60'$: and $+70^{\circ}80'$.6, 51. Correction to R.A. on true meridian $+0^{\circ}02'$.9. Observed over wire T with the transit-micrometer set to readings $34^{\circ}98'0$, $35^{\circ}11'1$, $35^{\circ}19'8$, $35^{\circ}65'5$, $35^{\circ}77'0$, $36^{\circ}09'2$, $36^{\circ}17'3$, $36^{\circ}27'6$, $36^{\circ}71'0$, $36^{\circ}83'0$.11. Observed over wire T with the transit-micrometer set to readings $35^{\circ}07'2$, $35^{\circ}11'1$, $35^{\circ}15'0$, $35^{\circ}33'8$, $35^{\circ}36'0$, $35^{\circ}48'0$, $35^{\circ}50'9$, $35^{\circ}53'0$, $35^{\circ}70'5$, $35^{\circ}73'0$.16. Observed over wire T with the transit-micrometer set to readings $44^{\circ}6'18$, $44^{\circ}44'2$, $44^{\circ}34'1$, $44^{\circ}23'4$, $44^{\circ}18'5$, $44^{\circ}07'2$, $44^{\circ}02'1$, $43^{\circ}52'1$, $43^{\circ}40'4$, $43^{\circ}79'1$.26. Observed over wire T with the transit-micrometer set to readings $34^{\circ}78'8$, $34^{\circ}89'0$, $34^{\circ}97'1$, $35^{\circ}22'0$, $35^{\circ}31'9$, $35^{\circ}37'1$, $35^{\circ}62'8$, $35^{\circ}72'7$, $35^{\circ}81'9$, $36^{\circ}04'3$.30. Correction to R.A. on true meridian $+0^{\circ}01'$.31. Observed over wire T with the transit-micrometer set to readings $36^{\circ}73'4$, $36^{\circ}12'2$, $35^{\circ}91'7$, $35^{\circ}83'0$, $35^{\circ}72'2$, $35^{\circ}44'7$, $35^{\circ}37'2$, $35^{\circ}31'3$, $35^{\circ}03'9$, $34^{\circ}96'0$.32. Observed over wire T with the transit-micrometer set to readings $37^{\circ}41'9$, $37^{\circ}44'0$, $37^{\circ}48'7$, $37^{\circ}53'7$, $37^{\circ}59'7$, $37^{\circ}62'3$, $37^{\circ}76'3$, $38^{\circ}16'5$, $38^{\circ}17'2$, $38^{\circ}24'2$.34. Observed over wire T with the transit-micrometer set to readings $35^{\circ}69'9$,

1908 SEP 26

MONTH and DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and (Lossing Rate).	Apparent R.A. of Centre from the Observation.				
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Azimuth.										
				s	s	s	s	s	s	s	s	s	s									h	m	s	
Sept. 26	1	Mösting A.	JS	23.0	25.7	28.3	33.9	36.6	39.3	47.2	50.0	52.7	55.3	19.36.39.32	+ 0.40		39.65			48.24	19.37.15.81				
	2	γ Aquilæ	JS	45.8	48.3	50.8	55.8	58.3	1.0	8.3	10.8	13.3	15.9	19.41.0.95	(- 0.95)		1.14	49.28	48.14	[- 0.15]	19.41.49.26				
	3	Groombridge 1119 S.P.	JS	25.2	40.9	51.9	3.4	16.3	31.5	42.7	54.8	5.5	...	20.3.16.91	[+ 4.88]		28.96	18.09	49.13	.....	.....				
	4	ε Delphini	JS	42.0	44.4	47.0	52.0	54.5	57.2	4.4	7.0	9.4	12.0	20.27.57.11			57.30	45.41	48.11	.....	20.28.45.41				
	5	α Delphini	JS	14.7	17.3	19.8	25.0	27.6	30.0	37.7	40.2	42.7	45.3	20.34.30.15			30.32	18.42	48.10	.....	20.35.18.43				
	6	ε Pegasi	B	33.0	35.3	37.9	43.0	45.4	48.0	55.3	57.9	0.3	2.8	21.38.48.01			48.21	36.56	48.35	48.45	.....				
	7	δ Capricorni	B	49.8	52.0	54.7	59.9	2.4	5.2	12.5	15.3	17.9	20.5	21.40.5.14			5.46	53.72	48.26	.....	.....				
	8	η Aquarii	JS	31.0	33.4	35.8	40.8	43.3	45.9	53.0	55.6	58.0	0.5	22.29.45.85			46.09	34.14	48.05	48.24	22.30.34.19				
	9	η Aquarii (E&E)	JS	...	6.4	21.3	35.9	50.8	5.5	...	...	...	...	22.29.45.75			45.99	34.14	48.15	.....	.....				
	10	ζ Pegasi	JS	45.7	48.0	50.5	55.7	58.2	0.7	8.1	10.6	13.1	15.7	22.36.0.75			0.94	49.01	48.07	.....	22.36.49.04				
	11	ζ Pegasi (E&E)	JS	...	20.4	35.5	50.3	5.8	20.8	...	...	...	...	22.36.0.33			0.52	49.01	48.49	.....	.....				
	12	Saturn 1 L.	JS	25.4	...	30.5	...	...	40.6	...	50.3	...	55.3	22.48.40.54			41.40			.....	22.49.29.50				
	13	Saturn 2 L.	JS	...	29.0	...	36.7	39.2	...	49.0	...	54.0	...	22.48.41.70						.....	.....				
	14	Bradley 3147	JS	13.6	17.7	22.3	26.8	31.5	35.9	40.6	44.7	49.2	...	23.27.31.37			27.56	15.75	48.19	.....	.....				
	15	ω Piscium	JS	28.5	30.8	33.4	38.3	40.8	43.6	50.6	53.2	55.7	58.0	23.53.43.41			43.62	31.73	48.11	.....	23.54.31.71				
	16	2. Ceti	JS	54.0	56.5	59.2	4.4	7.0	9.7	17.3	19.9	22.5	25.1	23.58.9.68			10.01	58.13	48.12	.....	23.58.58.10				
	17	ε Andromedæ	JS	33.0	35.9	38.7	44.5	47.1	50.0	58.0	1.0	3.9	6.7	0.32.50.01			50.11	38.18	48.07	48.09	0.33.38.20				
	18	γ ¹ Leonis	W	43.5	46.2	48.8	54.1	56.8	59.3	7.2	9.7	12.3	15.2	10.13.59.43	(- 1.30) [+ 4.32]		59.54	47.80	48.26	48.34 [- 0.10]	10.14.47.84				
Sept. 27	19	⊙ 2 L.	W	41.9	44.4	46.8	51.9	54.3	56.8	4.1	6.7	8.8	11.4	12.12.56.83			57.04			.....	12.12.41.22				
	20	Polaris S.P.	W	20.6	23.3	26.2	29.1	31.9	34.6	37.9	40.9	44.4	47.8	13.25.34.60			45.35	33.67	48.32	.....	.....				
	21	Venus 1 L.	W	52.8	55.3	58.1	3.6	6.2	8.8	16.7	19.5	22.1	24.4	15.4.8.87			9.17			.....	15.4.58.47				
	22	γ Serpentis	W	3.4	5.9	8.4	13.5	16.1	18.8	26.2	28.8	31.4	33.7	15.51.18.74			18.86	7.10	48.24	.....	15.52.7.13				
	23	β ¹ Scorpii	W	...	57.4	...	5.3	7.8	10.6	18.2	20.9	23.6	...	15.59.10.58			10.82	59.07	48.25	.....	15.59.59.09				
	24	κ Ophiuchi	W	10.6	12.7	15.5	20.5	23.1	25.6	33.0	35.5	37.7	40.4	16.52.25.58			25.74	13.94	48.20	.....	16.53.14.01				
	25	ε Herculis	W	36.5	39.4	42.0	48.1	50.8	53.7	2.3	5.2	8.0	10.8	16.55.33.81			53.86	42.07	48.21	.....	16.56.42.13				
	26	η Serpentis	S	24.8	27.3	29.7	34.7	37.2	39.6	46.9	49.5	51.7	54.2	18.15.39.68			39.89	28.17	48.28	48.44	.....				
	27	α Lyre	S	39.0	42.1	45.2	51.6	54.9	58.1	7.3	10.6	13.6	16.7	18.32.58.05			58.04	46.44	48.40	.....	.....				
	28	2 Aquilæ	S	5.6	8.1	10.3	15.6	18.1	20.7	27.7	30.6	32.9	35.5	18.36.20.63			20.87	9.26	48.39	.....	.....				
	29	ε ¹ Sagittarii	W	...	23.4	28.7	31.2	33.6	36.1	43.4	46.0	...	...	19.34.33.82			34.10	22.32	48.22	48.34	19.35.22.36				
	30	α ² Capricorni	B	48.8	51.1	53.6	58.8	1.3	3.8	11.2	13.8	16.3	19.0	20.12.3.89			4.15	52.53	48.38	48.45	.....				
	31	σ Capricorni	W	56.1	58.6	1.3	6.6	9.2	11.7	19.5	22.0	24.7	27.4	20.13.11.83			12.12			48.34	20.14.0.38				
	32	β Capricorni	B	42.0	44.4	47.0	52.2	54.8	57.5	4.8	7.6	10.0	12.5	20.14.57.40			57.67	46.02	48.35	48.45	.....				
	33	π Capricorni	W	54.3	56.9	59.6	4.8	7.4	9.9	17.7	20.3	22.9	25.6	20.21.10.06			10.35			48.34	20.21.58.61				
	34	Δ 1 L.	W	49.7	52.5	55.2	0.7	3.6	6.1	13.9	16.7	19.2	21.8	20.35.6.06			6.35			.....	20.37.4.02				
	35	Mösting A.	W	11.8	14.4	17.0	22.6	25.2	27.9	35.8	38.7	41.2	44.2	20.36.28.00			28.29			.....	20.37.3.88				
	36	θ Capricorni	W	38.1	40.7	43.2	48.6	51.0	53.5	1.2	3.7	6.4	9.1	20.59.53.67			53.95	42.22	48.27	.....	21.0.42.20				
	37	ζ Cygni	W	52.9	55.7	58.4	4.3	7.2	10.1	18.4	21.2	24.1	26.9	21.8.10.05			10.11	58.42	48.31	.....	21.8.58.36				
	38	Lalande 41191	W	49.3	51.7	54.4	59.6	2.3	5.0	12.6	15.2	17.6	20.2	21.9.4.91			5.19			.....	21.9.53.44				
	39	Groombridge 3548	W	0.7	10.2	31.3	35.1	48.5	52.1	55.6	59.0	10.5	14.1	21.17.55.12			51.51	40.06	48.55	.....	.....				
	40	σ Aquarii	d	39.3	41.8	44.2	49.6	51.7	54.4	...	...	...	...	22.24.54.45			54.70	42.92	48.22	.....	22.25.42.95				
	41	σ Aquarii	r	...	...	...	...	...	...	1.6	4.3	6.7	9.2	22.24.54.31			54.56	42.92	48.36	.....	22.25.42.81				
	42	Saturn 1 L.	W	10.1	12.8	15.6	20.2	23.0	25.6	32.7	35.4	38.0	40.4	22.48.25.50			26.30			.....	22.49.14.55				
	43	Saturn 2 L.	W	11.4	14.0	16.3	21.6	24.0	26.6	34.0	36.5	39.1	41.5	22.48.26.62						.....	.....				
	44	Vesta	W	15.7	18.3	20.8	26.2	28.7	31.4	38.9	41.6	43.9	46.7	23.21.31.34			31.62			.....	23.22.19.86				
	45	Bradley 3147	W	20.5	25.4	28.8	32.0	44.8	48.0	51.1	54.3	10.5	14.2	23.27.31.22			27.46	15.63	48.17	.....	.....				
	46	ι Piscium	W	6.3	8.6	11.1	16.3	18.7	21.3	28.4	30.9	33.3	35.8	23.34.21.19			21.37	9.61	48.24	.....	23.35.9.61				
	47	ι Piscium (E&E)	W	...	42.2	56.7	11.7	26.5	41.3	...	...	...	...	23.34.21.21			21.39	9.61	48.22	.....	.....				
	48	α Andromedæ	r	29.2	32.0	34.8	40.7	43.4	46.3	...	...	...	...	0.2.46.24			46.30	34.62	48.32	48.24	0.3.34.54				
	49	α Andromedæ	d	...	...	...	...	...	...	54.3	57.2	0.1	2.9	0.2.46.18			46.24	34.62	48.38	.....	0.3.34.48				
	50	Bradley 1672 S.P.	W	43.5	47.6	50.8	54.7	9.7	13.2	16.5	19.8	30.8	35.1	0.12.38.26			45.52	33.80	48.28	.....	.....				
	51	Pallas	W	32.7	35.3	37.7	42.8	45.3	47.9	55.3	57.7	0.3	3.3	1.1.47.95			48.20			.....	1.2.36.44				
	52	θ Ceti	W	18.3	20.8	23.3	28.4	31.0	33.6	40.8	43.3	45.9	48.3	1.18.33.49			33.73	22.02	48.29	.....	1.19.21.96				
	53	Polaris	W	19.9	24.2	27.3	30.3	44.0	47.2	50.5	53.9	4.4	7.7	1.25.56.51			46.10	33.82	47.72	.....	.....				

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 9, 11, and 47, - 110^s.33: - 110^s.33: and - 110^s.57.
Corrections for passage of Semidiameter, Nos. 19, 21, and 34, - 64^s.11: + 1^s.02: and + 69^s.40.

- Reduction to D's centre at time of transit of Crater - 11^s.47. A further correction of - 0^s.49 has been applied to reduce to time of transit of D's centre on true meridian.
- Observed over wire T with the transit-micrometer set to readings 36^s.400, 36^s.200, 36^s.200, 36^s.100, 36^s.000, 35^s.900, 35^s.800, 35^s.700, 35^s.600.
- Observed over wire T with the transit-micrometer set to readings 35^s.700, 35^s.700, 35^s.800, 35^s.900, 36^s.000, 36^s.100, 36^s.200, 36^s.300, 36^s.400.
- Observed over wire T with the transit-micrometer set to readings 37^s.116, 37^s.107, 37^s.088, 37^s.059, 36^s.950, 36^s.917, 36^s.879, 36^s.871, 36^s.728, 36^s.701.
- Extremely faint.
- Correction to R.A. on true meridian + 0^s.02.
- Reduction to D's centre at time of transit of Crater - 12^s.16. A further correction of - 0^s.50 has been applied to reduce to time of transit of D's centre on true meridian.
- Observed over wire T with the transit-micrometer set to readings 41^s.818, 42^s.013, 42^s.536, 42^s.629, 42^s.936, 43^s.060, 43^s.100, 43^s.211, 43^s.449, 43^s.543.
- Observed over wire T with the transit-micrometer set to readings 33^s.043, 33^s.143, 33^s.221, 33^s.280, 33^s.580, 33^s.668, 33^s.723, 33^s.791, 34^s.160, 34^s.268.
- Observed over wire T with the transit-micrometer set to readings 34^s.404, 34^s.363, 34^s.342, 34^s.285, 34^s.080, 34^s.039, 33^s.996, 33^s.960, 33^s.834, 33^s.788.
- Observed over wire T with the transit-micrometer set to readings 29^s.590, 29^s.626

[46]
68A...1C

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	[Azimuth].					
				s	s	s	s	s	s	s	s	s	s		h	m						s
Sept. 28	1	⊙ 1 L.....	E	9.7	12.3	14.7	19.8	22.2	24.7	32.0	34.7	37.0	39.4	12. 14. 24.77	+ 0.40	29.15	33.96	46.25	48.31	12. 16. 17.41	
	2	⊙ 2 L.....	E	18.1	20.6	22.9	28.0	30.4	33.3	40.4	43.0	45.4	47.9	12. 16. 33.12	(- 1.30)						
	3	Polaris S.P.....	E	25.4	30.0	35.4	52.4	57.6	10.3	14.6	18.0	32.1	35.9	13. 25. 37.55	+ 4.03						
	4	72 Ophiuchi.....	B	51.4	53.9	56.3	1.4	3.9	6.6	13.7	16.3	18.7	21.2	18. 2. 6.46		47.71	54.81	48.20	48.27	.....	
	5	δ Ursæ Minoris.....	E	30.4	34.3	37.8	55.9	59.8	4.0	17.8	23.0	27.2	39.6	18. 1. 40.82		37.44	25.45	48.01	48.31	18. 2. 25.67	
	6	μ Sagittarii.....	B	6.0	8.3	10.7	16.2	18.9	21.6	29.4	32.0	34.7	37.3	18. 7. 21.63		21.91	10.09	48.18	48.27	.....	
	7	η Serpentis.....	E	25.0	27.3	29.7	34.8	37.2	39.7	47.0	49.5	51.8	54.3	18. 15. 39.75		39.95	28.15	48.20	48.31	18. 16. 28.18	
	8	λ Sagittarii.....	E	6.9	9.5	12.1	17.7	20.6	23.4	31.4	34.0	36.8	39.7	18. 21. 23.34		23.64	11.87	48.23		18. 22. 11.87	
	9	α Lyræ.....d	E	39.0	42.2	45.3	51.8	55.0	58.2	...	...	...	...	18. 32. 58.18		58.18	46.41	48.23		18. 33. 46.41	
	10	α Lyræ.....r	E	...	...	...	...	...	...	7.4	10.7	13.8	17.0	18. 32. 58.21		58.21	46.41	48.20		18. 33. 46.44	
	11	β ¹ Lyræ.....r	E	32.1	34.7	37.7	43.7	46.6	49.7	...	...	...	...	18. 45. 49.70		49.74	37.81	48.07		18. 46. 37.97	
	12	β ¹ Lyræ.....d	E	...	...	...	...	...	...	58.0	1.3	4.1	7.0	18. 45. 49.53		49.57	37.81	48.24		18. 46. 37.80	
	13	ε Aquilæ.....	E	19.9	21.5	24.1	29.3	31.9	34.5	41.9	44.5	47.1	49.7	18. 54. 34.47		34.60	22.85	48.25		18. 55. 22.83	
	14	Cephei 51 S.P.....	E	11.0	16.4	22.6	41.0	45.9	51.3	7.9	11.8	17.1	30.7	18. 55. 57.08		1.50	49.77	48.27		6. 56. 49.73	
	15	λ Ursæ Minoris.....	E	20.8	36.8	41.7	1.0	6.7	12.0	17.0	34.5	39.1	43.7	19. 14. 52.99		41.12	29.25	48.13		19. 15. 29.35	
	16	δ Aquilæ.....	E	44.0	46.4	48.8	53.8	56.2	58.8	6.2	8.7	11.1	13.6	19. 19. 58.88		59.06	47.30	48.24		19. 20. 47.29	
	17	μ Aquilæ.....	E	28.3	30.7	33.2	38.1	40.6	43.3	50.4	53.0	55.6	57.9	19. 28. 43.23		43.39	31.61	48.22		19. 29. 31.62	
	18	Groombridge 1119 S.P.....	E	43.2	48.7	52.9	25.1	31.2	35.7	42.2	8.7	15.0	20.0	20. 3. 20.69		31.81	20.70	48.89		8. 4. 20.04	
	19	α Delphini.....R.	E	14.5	17.0	19.5	24.8	27.4	29.9	37.3	40.0	42.6	45.2	20. 34. 29.94		30.21	18.39	48.18		20. 35. 18.43	
	20	ε Aquarii.....R.	E	34.0	36.3	38.8	44.0	46.4	49.0	56.3	58.9	1.4	3.9	20. 41. 49.02		49.33	37.53	48.20		20. 42. 37.55	
	21	θ Capricorni.....	E	38.1	40.7	43.2	48.6	51.1	53.7	1.3	3.9	6.5	9.2	20. 59. 53.75		54.02	42.21	48.19		21. 0. 42.24	
	22	Lalande 41191.....	E	49.2	52.0	54.4	59.8	2.3	5.1	12.5	15.3	17.9	20.4	21. 9. 5.01		5.28				21. 9. 53.50	
	23	Groombridge 3548.....	E	39.7	45.1	50.7	12.7	17.1	21.6	27.5	45.0	50.8	58.0	21. 17. 55.02		51.61	39.72	48.11		21. 18. 39.83	
	24	⊙ 1 L.....	E	11.3	14.0	16.4	21.9	24.7	27.3	35.0	37.7	40.4	43.0	21. 32. 27.29		27.55				21. 34. 23.47	
	25	Mösting A.....	E	32.4	34.9	37.7	43.0	45.6	48.3	56.1	58.8	1.3	4.0	21. 33. 48.33		48.59				21. 34. 23.58	
	26	δ Capricorni.....	E	49.7	52.1	54.7	59.9	2.3	5.1	12.6	15.3	17.9	20.4	21. 41. 5.12		5.38	53.70	48.32		21. 41. 53.60	
	27	μ Capricorni.....	E	9.0	11.5	14.0	19.2	21.8	24.4	31.8	34.3	36.8	39.4	21. 47. 24.34		24.59				21. 48. 12.81	
	28	ε Aquarii.....	E	20.3	22.8	25.4	30.7	33.2	35.7	43.0	45.7	48.3	50.7	22. 0. 35.70		35.95				22. 1. 24.17	
	29	η Aquarii.....	W	31.0	33.4	35.9	40.8	43.4	45.8	53.0	55.7	58.0	0.3	22. 29. 45.85		46.04	34.13	48.09	48.21	.....	
	30	η Aquarii.....(E&E)	W	52.3	6.9	21.7	36.7	51.2	6.0	20.9	...	...	...	22. 29. 45.76		45.95	34.13	48.18		.....	
	31	ζ Pegasi.....	W	45.7	48.0	50.4	55.7	58.1	0.8	8.0	10.5	13.0	15.6	22. 36. 0.70		0.85	49.00	48.15		.....	
	32	ζ Pegasi.....(E&E)	W	6.4	21.5	36.5	51.7	6.5	21.5	36.5	...	...	...	22. 36. 0.74		0.89	49.00	48.11		.....	
	33	Vesta.....	E	28.0	30.4	33.0	38.3	40.9	43.7	51.1	53.7	56.2	58.7	23. 20. 43.52		43.78			48.31	23. 21. 31.99	
	34	γ Pegasi.....	E	22.6	25.3	27.7	33.0	35.5	38.1	45.5	48.0	50.5	53.3	0. 7. 38.07		38.20	26.45	48.25	48.21	0. 8. 26.41	
	35	γ Pegasi.....(E&E)	E	43.1	58.4	13.6	29.0	44.1	59.6	15.0	...	...	...	0. 7. 38.20		38.33	26.45	48.12		.....	
	36	Bradley 1672 S.P.....	E	56.7	1.0	5.4	40.6	46.0	51.0	55.8	17.9	22.4	27.2	0. 12. 38.51		45.37	33.89	48.52		12. 13. 33.58	
	37	ι Ceti.....	E	37.5	39.8	42.4	47.4	50.0	52.5	59.9	2.4	5.0	7.5	0. 13. 52.56		52.79	40.95	48.16		0. 14. 41.00	
	38	ι Ceti.....(E&E)	E	58.5	13.5	28.3	43.4	58.4	13.1	28.2	...	...	...	0. 13. 52.57		52.80	40.95	48.15		.....	
	39	12 Ceti.....	E	13.7	16.2	18.7	23.8	26.3	28.7	35.9	38.4	41.0	43.4	0. 24. 28.73		28.94	17.15	48.21		0. 25. 17.15	
Sept. 29	40	⊙ 1 L.....	SE	46.5	48.9	51.2	56.3	58.8	1.3	8.3	11.0	13.4	16.0	12. 18. 1.29	[+ 3.47]	5.61	28.13	48.00	48.10	12. 19. 53.68	
	41	⊙ 2 L.....	SE	54.7	57.1	59.4	4.6	7.0	9.5	16.6	19.3	21.9	24.6	12. 20. 9.59							
	42	η Serpentis.....	SE	25.1	27.5	29.9	35.0	37.4	40.0	47.0	49.7	52.1	54.7	18. 15. 39.96							
	43	2 Aquilæ.....	SE	6.0	8.3	10.8	15.8	18.3	21.0	28.1	30.7	33.3	35.9	18. 36. 20.94		40.13	9.22	48.09		18. 37. 9.18	
	44	β ¹ Lyræ.....r	SE	31.9	34.8	37.8	43.8	46.7	50.0	...	...	...	...	18. 45. 49.78		49.81	37.79	47.98		18. 46. 37.86	
	45	β ¹ Lyræ.....d	SE	...	...	...	...	...	...	58.4	1.6	4.3	7.3	18. 45. 49.83		49.86	37.79	47.93		18. 46. 37.91	
	46	ε Aquilæ.....	B	19.3	21.8	24.2	29.4	31.9	34.6	42.0	44.6	47.3	49.7	18. 54. 34.60		34.71	22.83	48.12	48.16	.....	
	47	Cephei 51 S.P.....	SE	1.9	8.3	15.5	21.3	27.8	34.2	41.1	49.0	55.5	4.1	18. 55. 58.29		2.20	50.29	48.09	48.10	.....	
	48	ζ Aquilæ.....	B	3.3	6.0	8.4	13.5	16.0	18.7	26.0	28.7	31.3	33.8	19. 0. 18.69		18.80	6.90	48.10	48.16	.....	
	49	λ Ursæ Minoris.....	SE	49.7	59.7	20.7	32.7	50.1	58.3	7.2	24.5	36.2	42.8	19. 14. 50.53		39.97	27.82	47.85	48.10	.....	
	50	h ² Sagittarii.....d	JS	56.9	59.6	2.1	7.7	10.3	13.2	...	...	...	...	19. 30. 13.22		13.47	1.34	47.87	47.91	.....	
	51	h ² Sagittarii.....r	JS	...	...	...	...	...	...	21.3	23.9	26.7	29.3	19. 30. 13.22		13.47	1.34	47.87		.....	
52	e ¹ Sagittarii.....r	JS	18.7	21.3	23.8	29.2	31.7	34.3	...	...	...	...	19. 34. 34.30		34.52	22.28	47.76		.....		

MONTH and DAY	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Sept. 29	1	ϵ^1 Sagittarii	JS	...	...	...	...	...	...	41.8	44.3	46.9	49.5	19. 34. 34.22	+ 0.40	34.44	22.28	47.84	47.91	.....
	2	α Delphini	SE	...	17.3	19.9	25.0	27.7	30.2	37.8	40.4	42.8	...	20. 34. 30.26	(- 1.30)	30.36	18.37	48.01	48.10	20. 35. 18.41
	3	32 Vulpeculæ	SE	30.7	33.3	35.9	41.8	44.4	47.2	55.3	58.1	1.0	3.8	20. 49. 47.28	+ 3.47	47.33	35.37	48.04	.....	20. 50. 35.38
	4	Groombridge 3548	SE	59.7	8.0	19.1	44.0	52.9	2.1	25.3	35.3	42.5	3.6	21. 17. 54.04		51.00	39.39	48.39	.....	.....
	5	δ Capricorni	SE	50.0	52.3	55.0	0.2	2.9	5.3	13.0	15.6	18.2	20.6	21. 41. 5.43		5.64	53.69	48.05	.....	21. 41. 53.69
	6	μ Capricorni	SE	9.2	11.8	14.3	19.0	21.9	24.6	32.0	34.7	37.3	39.7	21. 47. 24.57		24.78			.....	21. 48. 12.83
	7	δ 1 L.	SE	51.7	54.4	56.8	2.3	4.8	7.6	14.7	17.7	20.3	22.9	22. 27. 7.44		7.65			.....	22. 29. 1.66
	8	Mösting A.	SE	11.4	13.8	16.4	21.7	24.4	27.0	34.7	37.2	39.7	42.4	22. 28. 26.99		27.20			.....	22. 29. 1.61
	9	Saturn 1 L.	SE	41.2	43.6	45.9	51.2	53.6	...	3.6	6.2	...	...	22. 47. 56.24					.....	22. 48. 45.06
	10	Saturn 2 L.	SE	...	...	...	...	54.9	57.3	...	7.3	9.6	12.3	22. 47. 57.39					.....	23. 22. 9.40
	11	κ Piscium	SE	6.3	8.8	11.2	16.2	18.7	21.3	...	31.0	33.3	35.7	23. 21. 21.20		21.36	9.46	48.10	.....	23. 22. 9.40
	12	Bradley 3147	SE	57.4	3.3	20.6	30.3	38.3	0.5	8.1	15.7	24.2	40.5	23. 27. 30.14		26.97	15.36	48.39	.....	23. 54. 31.70
	13	ω Piscium	SE	28.7	31.1	33.4	38.5	41.0	43.4	50.8	53.3	55.7	58.1	23. 53. 43.52		43.66	31.74	48.08	.....	.....
	14	Bradley 1672 S.P.	SE	55.2	3.9	13.4	32.8	40.7	59.6	12.9	22.9	49.8	57.6	0. 12. 40.17		46.25	33.99	47.74	48.04	.....
	15	ϵ Andromedæ	SE	...	...	...	44.3	47.2	50.0	58.3	1.1	3.9	6.8	0. 32. 50.04		50.09	38.21	48.12	.....	0. 33. 38.13
	16	β Andromedæ	SE	25.0	27.8	30.9	37.2	39.9	43.1	51.9	55.0	57.9	1.0	1. 3. 43.11		43.13	31.22	48.09	.....	1. 4. 31.17
	17	Polaris	SE	3.2	14.3	33.8	41.4	1.1	7.7	25.3	32.7	39.7	55.6	1. 25. 57.20		48.44	34.33	45.89	.....	.....
Sept. 30	18	$\odot$ 1 L.	B	23.0	25.4	27.9	33.0	35.5	37.8	45.2	47.7	50.0	52.6	12. 21. 37.93	+ 4.35				48.10	12. 23. 30.48
	19	$\odot$ 2 L.	B	...	33.8	36.6	41.4	43.8	46.4	53.8	56.2	58.8	...	12. 23. 46.47		42.41			48.13	.....
	20	μ Pegasi	W	26.3	28.8	31.4	37.2	39.6	42.6	50.5	53.3	55.6	58.6	22. 44. 42.52		42.60	30.65	48.05	.....	22. 48. 30.67
	21	Saturn 1 L.	W	26.7	29.2	31.6	36.7	39.2	41.7	49.0	51.5	54.1	56.7	22. 47. 41.76		42.63			[- 0.10 ]	.....
	22	Saturn 2 L.	W	28.1	30.5	32.9	37.9	40.4	43.0	50.2	52.8	55.3	57.7	22. 47. 43.00					.....	23. 0. 18.34
	23	h^1 Aquarii	W	15.2	17.4	19.8	25.2	27.6	30.0	37.4	39.8	42.3	44.8	22. 59. 30.07		30.31			.....	23. 21. 11.53
	24	γ Piscium	W	17.3	19.5	21.8	27.0	29.4	31.8	39.3	41.6	44.2	46.6	23. 11. 31.97		32.16	20.19	48.03	.....	23. 21. 11.58
	25	δ 1 L.	W	3.5	5.9	8.5	13.6	16.1	18.8	26.3	28.8	31.4	33.9	23. 19. 18.80		19.04			.....	.....
	26	Mösting A.	W	21.7	24.3	26.8	31.9	34.4	37.2	44.6	47.3	49.6	52.3	23. 20. 37.13		37.37			.....	23. 21. 11.58
	27	Bradley 3147	W	46.2	50.8	54.3	58.0	13.3	16.8	20.7	23.7	36.3	39.7	23. 27. 30.99		27.20	15.23	48.03	.....	.....
	28	ι Piscium	W	6.5	8.8	11.3	16.4	18.8	21.4	28.7	31.2	33.6	36.1	23. 34. 21.40		21.58	9.61	48.03	.....	.....
	29	δ Sculptoris	W	59.2	1.9	4.8	10.7	13.3	16.2	24.6	27.3	30.1	32.9	23. 43. 16.23		16.57	4.58	48.01	.....	23. 48. 8.58
	30	24 Piscium	W	5.4	7.9	10.3	15.3	17.7	20.3	27.6	30.1	32.5	35.0	23. 47. 20.33		20.55			.....	23. 53. 54.34
	31	27 Piscium	W	51.2	53.6	56.0	1.2	3.6	6.0	13.3	15.7	18.3	20.8	23. 53. 6.09		6.31			.....	.....
Oct. 1	32	$\odot$ 1 L.	JS	0.6	3.0	5.5	10.3	13.0	15.5	22.8	25.3	27.5	30.1	12. 25. 15.48					.....	.....
	33	$\odot$ 2 L.	JS	8.8	11.2	13.6	18.7	21.3	23.8	31.1	33.5	36.0	38.7	12. 27. 23.79					.....	.....
Oct. 4	34	ζ Pegasi	W	46.4	48.8	51.4	56.3	59.0	1.6	8.8	11.5	14.0	16.4	22. 36. 1.54	- 0.71	1.58	48.96	47.38	47.50	.....
	35	μ Pegasi	W	...	...	...	37.9	40.3	43.3	51.3	53.9	56.6	59.3	22. 44. 43.27	(- 3.00)	43.21	30.62	47.41	[- 0.12 ]	.....
	36	λ Aquarii	W	42.6	45.2	47.6	52.7	55.2	57.7	5.2	7.5	9.8	12.3	22. 46. 57.70	+ 5.28	57.85	45.21	47.36	.....	.....
	37	Bradley 3147	W	49.2	53.2	56.6	59.8	13.3	16.8	21.3	25.3	43.0	47.4	23. 27. 35.17		27.77	14.83	47.06	.....	.....
	38	γ Pegasi	W	23.9	26.1	28.8	33.8	36.4	39.2	46.5	49.2	51.7	54.2	0. 7. 39.10		39.10	26.46	47.36	47.38	.....
	39	Bradley 1672 S.P.	W	33.9	38.2	42.3	46.3	49.9	4.5	8.3	12.0	16.0	21.7	0. 12. 33.68		47.43	34.28	46.85	.....	.....
	40	Polaris	W	59.2	4.3	8.2	11.9	26.0	29.4	33.3	37.0	50.8	54.3	1. 26. 8.55		48.39	35.79	47.40	.....	.....
	41	β Arietis	d. W	26.3	29.0	31.7	37.0	39.7	42.3	...	...	...	...	1. 48. 42.31		42.28	29.67	47.39	.....	.....
	42	β Arietis	r. W	...	...	...	...	...	...	50.0	52.8	55.3	58.0	1. 48. 42.36		42.33	29.67	47.34	.....	.....
Oct. 5	43	$\odot$ 1 L.	JS	31.6	34.1	36.4	41.6	43.7	46.6	53.6	56.3	58.7	1.3	12. 39. 46.51					.....	12. 41. 38.31
	44	$\odot$ 2 L.	JS	40.1	42.7	45.2	50.2	52.7	55.2	2.4	5.0	7.4	9.9	12. 41. 55.20					.....	.....
Oct. 6	45	$\odot$ 1 L.	BE	9.7	12.0	14.5	19.6	22.1	24.7	31.7	34.3	36.7	39.4	12. 43. 24.59	+ 4.74				47.42	12. 45. 16.53
	46	$\odot$ 2 L.	BE	18.5	21.0	23.5	28.6	31.0	33.6	40.8	43.3	45.7	48.3	12. 45. 33.55		29.17			[- 0.11 ]	.....
	47	α^1 Tauri	S	54.4	57.0	59.5	5.1	7.7	10.3	18.1	21.0	23.6	26.0	3. 58. 23.68		23.61	10.85	47.24	47.31	.....
	48	B.D. + 14° 657	S	9.9	...	15.0	20.0	22.7	25.3	32.8	35.3	...	40.4	4. 1. 38.04		38.02			.....	4. 2. 25.31

Corrections for passage of Semidiameter, Nos. 7 and 25, +65.96 : and +64.45.

4. Observed over wire T with the transit-micrometer set to readings 34^r702, 34^r907, 35^r171, 35^r768, 35^r989, 36^r175, 36^r750, 36^r980, 37^r137, 37^r650.
- 7, 25. Correction to R.A. on true meridian +0^s01.
8. Reduction to D's centre at time of transit of Crater - 13^s14. A further correction of -0^s49 has been applied to reduce to time of transit of D's centre on true meridian.
12. Observed over wire T with the transit-micrometer set to readings 36^r606, 36^r716, 37^r132, 37^r360, 37^r555, 38^r087, 38^r225, 38^r425, 38^r799, 38^r965.
14. Observed over wire T with the transit-micrometer set to readings 34^r300, 34^r189, 34^r079, 33^r809, 33^r731, 33^r498, 33^r313, 33^r182, 32^r839, 32^r745.
17. Observed over wire T with the transit-micrometer set to readings 39^r091, 39^r188, 39^r342, 39^r419, 39^r597, 39^r636, 39^r804, 39^r848, 39^r908, 40^r040.
- 25, 26. Clouds passing.
26. Reduction to D's centre at time of transit of Crater - 13^s34. A further correction of -0^s48 has been applied to reduce to time of transit of D's centre on true meridian.
27. Observed over wire T with the transit-micrometer set to readings 33^r620, 33^r720, 33^r814, 33^r884, 34^r225, 34^r302, 34^r400, 34^r480, 34^r770, 34^r852.
29. Faint; cloudy. Sept. 30^d 22^h. Eye-tube rotated 90° for the purpose of examining the transit-micrometer. Rotated back Oct. 1^d 0^h. 32, 33. Kept for diameter only.
- 36, 41, 42. Cloudy. 37. Observed over wire T with the transit-micrometer set to readings 43^r124, 43^r212, 43^r310, 43^r374, 43^r665, 43^r750, 43^r840, 43^r933, 44^r361, 44^r452.
39. Observed over wire T with the transit-micrometer set to readings 37^r510, 37^r470, 37^r412, 37^r344, 37^r301, 37^r119, 37^r080, 37^r027, 36^r970, 36^r924.
40. Observed over wire T with the transit-micrometer set to readings 36^r939, 36^r980, 36^r999, 37^r057, 37^r122, 37^r183, 37^r234, 37^r241, 37^r370, 37^r393.
- 47, 48. Reading of transit-micrometer 31^r000. Reduced to normal reading in forming the concluded transit.

1908GCAW. 682. 1C

[48]

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GOAMM

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	[Azimuth].					
s	s	s	s	s	s	s	s	s	s	h	m	s	"	s	s	s	s	h	m	s	
Oct. 6	1	ε Tauri	S	54.3	56.6	59.3	4.7	7.2	9.7	17.5	20.1	22.7	25.4	4. 22. 22.92	— 0.71		22.87	10.11	47.24	47.31	.....
	2	τ Tauri	S	22.0	24.6	27.2	32.7	35.4	38.0	45.8	48.7	51.3	53.8	4. 35. 51.45	(— 3.00)		51.37	38.63	47.26	[— 0.11]	.....
	3	Mayer 177	S	34.1	36.5	39.2	44.5	47.1	49.7	57.4	0.0	2.5	5.1	4. 40. 2.75	[+ 4.74]		2.70				4. 40. 49.99
	4	i Tauri	S	...	41.6	44.0	49.5	...	54.7	2.4	5.1	7.6	10.0	4. 45. 7.73			7.68				4. 45. 54.97
	5	β Tauri	S	...	...	...	16.4	19.2	22.2	30.3	33.1	35.9	38.8	5. 19. 36.14			36.02	23.36	47.34		.....
	6	ι Geminorum	S	9.6	12.3	14.9	20.3	23.0	25.6	33.6	36.4	39.0	41.7	5. 57. 39.17			39.08	26.45	47.37		.....
	7	ν Orionis	S	58.7	1.3	3.8	9.2	11.6	14.1	21.6	24.2	26.7	29.3	6. 1. 26.93			26.91	14.21	47.30		.....
	8	δ Ursæ Minoris S.P.	S	20.2	38.7	48.6	57.0	11.1	22.6	33.1	41.7	51.6	2.7	6. 1. 27.79			34.70	22.01	47.31		.....
	9	γ Geminorum	S	...	13.4	16.0	21.7	24.3	27.0	34.9	37.5	40.1	...	6. 8. 26.98			26.90	14.21	47.31		.....
Oct. 7	10	δ Leonis	SE	3.9	6.5	9.1	14.5	17.1	19.7	27.6	30.3	33.0	35.7	11. 8. 19.86	— 0.82 (— 2.86)		19.81	6.87	47.06	47.17 [— 0.22]	.....
Oct. 8	11	⊙ 2 L.	SE	...	39.7	41.9	...	...	52.4	59.7	1.8	4.4	6.9	12. 52. 52.21	[+ 5.07]		52.35				12. 52. 34.81
	12	Mercury 1 L.	SE	43.6	46.2	48.7	53.9	56.3	58.7	6.4	8.8	11.1	13.7	13. 29. 48.86			59.01				13. 30. 46.22
	13	Venus 1 L.	SE	3.6	6.2	8.9	14.3	17.2	19.8	27.7	30.4	33.4	36.1	15. 43. 19.88			20.14				15. 44. 8.38
	14	Vesta	SE	33.4	36.1	38.5	43.7	46.3	49.1	56.6	59.2	1.6	4.2	23. 13. 48.99			49.19				23. 14. 36.15
	15	κ Piscium	SE	...	9.8	12.5	17.7	19.7	22.5	29.6	32.3	34.6	37.0	23. 21. 22.44			22.53	9.44	46.91		.....
	16	ι Piscium	SE	7.6	9.8	12.5	17.6	20.1	22.5	29.7	32.3	34.8	37.2	23. 34. 22.53			22.60	9.60	47.00		.....
	17	ω Piscium	SE	29.8	32.2	34.7	39.7	42.2	44.8	...	...	...	59.3	23. 53. 44.74			44.79	31.75	46.96		.....
	18	Bradley 1672 S.P.	SE	20.4	27.7	37.8	6.8	15.2	24.4	47.9	58.1	9.7	17.4	0. 12. 33.57			47.05	34.50	47.45	46.95	.....
	19	α Orionis	JS	5.2	7.6	10.0	15.3	17.6	20.2	...	...	...	...	5. 49. 20.18			20.23	6.94	46.71	46.76	.....
	20	α Orionis	JS	...	...	...	...	...	...	27.6	30.0	32.5	35.0	5. 49. 20.25			20.30	6.94	46.64		.....
	21	ν Orionis	JS	12.2	14.6	...	22.5	24.9	27.6	34.9	...	40.1	42.7	6. 1. 27.55			27.54	14.27	46.73		.....
	22	δ Ursæ Minoris S.P.	JS	58.8	6.8	11.1	26.3	32.7	36.5	46.9	51.0	55.7	4.0	6. 1. 27.27			34.45	21.13	46.68		.....
	23	γ Orionis	JS	18.6	21.2	23.6	29.1	31.6	34.4	41.9	44.7	47.3	49.7	6. 8. 34.33			34.29				6. 9. 20.99
	24	Jupiter 1 L.	JS	56.8	...	2.1	...	...	13.2	...	23.6	...	29.0	6. 44. 13.03			14.37				6. 45. 1.07
	25	Jupiter 2 L.	JS	59.7	...	5.0	...	...	15.9	...	26.4	...	31.6	6. 44. 15.84							.....
	26	θ Canis Majoris	JS	48.7	51.3	53.6	58.9	1.3	4.0	11.3	13.8	16.3	19.0	6. 49. 3.94			4.11	50.78	46.67		.....
Oct. 9	27	Groombridge 1119 S.P.	HA	23.6	30.6	37.7	42.8	48.2	54.2	0.8	7.3	13.4	18.2	8. 3. 26.32			48.24	33.94	45.70	46.76	.....
	28	β Capricorni	HA	43.6	46.2	48.8	...	56.6	59.2	6.6	9.2	11.6	14.2	20. 14. 59.11			59.30	45.83	46.53		.....
	29	θ Capricorni	HA	39.7	42.2	44.8	50.1	52.7	55.3	3.0	5.4	8.1	10.6	20. 59. 55.31			55.52	42.05	46.53		.....
	30	β Aquarii	HA	37.3	39.6	42.1	47.2	49.5	52.2	59.3	1.9	4.5	7.0	21. 25. 52.18			52.31	38.91	46.60		.....
	31	γ Aquarii	HA	32.4	34.9	37.5	42.4	44.8	47.4	54.7	57.1	59.5	2.0	22. 29. 47.39			47.50	34.05	46.55		.....
	32	Saturn 1 L.	HA	28.7	31.2	33.6	38.6	41.3	43.7	51.0	53.6	56.2	58.7	22. 45. 43.78			44.60				22. 46. 31.15
	33	Saturn 2 L.	HA	29.9	32.4	34.9	40.1	42.6	45.1	52.5	55.1	57.4	59.9	22. 45. 45.11							.....
	34	γ Piscium	HA	18.6	20.9	23.5	28.4	31.0	33.6	40.7	43.3	45.7	48.2	23. 11. 33.51			33.59	20.17	46.58		.....
	35	Vesta	HA	59.6	2.2	4.8	10.0	12.6	15.3	22.7	25.3	28.0	30.3	23. 13. 15.20			15.40				23. 14. 1.95
	36	κ Piscium	HA	7.7	10.2	12.8	17.7	20.3	22.9	29.9	32.5	35.0	37.4	23. 21. 22.76			22.85	9.44	46.59		.....
	37	Bradley 3147	HA	53.4	0.2	14.1	19.3	18.8	32.2	52.8	58.3	11.2	16.3	23. 27. 34.87			27.61	14.23	46.62		.....
	38	Bradley 1672 S.P.	HA	32.5	40.5	53.3	58.3	9.4	15.0	25.6	30.7	44.6	...	0. 12. 34.19			47.67	34.62	46.95	46.54	.....
	39	ι Ceti	HA	39.2	41.5	44.1	49.2	51.7	54.3	1.6	4.2	6.6	9.2	0. 13. 54.28			54.43	40.98	46.55		.....
Oct. 10	40	⊙ 1 L.	GC	48.3	50.5	53.3	58.2	0.8	3.5	10.6	13.2	15.6	18.1	12. 58. 3.33			8.13			46.61	12. 59. 54.67
	41	⊙ 2 L.	GC	...	...	...	7.7	10.2	12.6	19.9	22.3	24.9	27.6	13. 0. 12.67						[— 0.13]	.....
	42	α Equulei	GC	8.3	10.8	13.2	18.5	20.5	23.3	...	...	...	...	21. 10. 23.27			23.34	9.62	46.28		.....
	43	α Equulei	GC	...	...	...	...	...	...	30.4	33.2	35.6	38.0	21. 10. 23.32			23.39	9.62	46.23		.....
	44	Groombridge 3548	GC	38.8	55.8	14.0	27.6	44.7	55.0	12.9	21.3	35.8	50.8	21. 17. 56.62			49.66	35.92	46.26		.....
	45	ε Pegasi	B	34.6	37.2	39.7	44.8	47.3	49.7	57.1	59.8	2.1	4.5	21. 38. 49.80			49.83	36.40	46.57	46.65	.....
	46	δ Capricorni	B	51.5	53.9	56.3	1.7	4.3	6.9	14.3	17.0	19.5	22.2	21. 41. 6.88			7.08	53.56	46.48		.....
	47	α Aquarii	GC	58.2	0.7	3.0	8.0	10.7	13.2	20.3	23.0	25.2	27.7	22. 0. 13.12			13.23	59.74	46.51	46.61	.....
	48	ι Pegasi	GC	37.7	40.3	43.0	48.6	51.3	54.0	2.0	4.8	7.7	10.2	22. 1. 54.09			54.01	40.50	46.49		.....
	49	γ Aquarii	GC	49.0	51.6	53.8	59.0	1.4	3.9	11.0	13.7	16.1	18.7	22. 16. 3.94			4.05	50.50	46.45		.....
	50	σ Aquarii	GC	41.1	43.6	45.9	51.2	53.7	56.0	3.5	5.9	8.5	11.0	22. 24. 56.16			56.32	42.83	46.51		.....

Corrections for passage of Semidiameter, Nos. 11, 12, and 13, — 64^s 59 : + 0^s 16 : and + 1^s 21.

- 1 to 7. Reading of transit-micrometer 31^r 000. Reduced to normal reading in forming the concluded transit.
8. Observed over wire P with the transit-micrometer set to readings 35^r 502, 35^r 048, 34^r 800, 34^r 623, 34^r 317, 34^r 011, 33^r 756, 33^r 567, 33^r 288, 33^r 062.
14, 40, 41. Observed through cloud.
18. Observed over wire Q with the transit-micrometer set to readings 35^r 729, 35^r 629, 35^r 490, 35^r 035, 34^r 989, 34^r 903, 34^r 600, 34^r 472, 34^r 320, 34^r 210.
22. Observed over wire T with the transit-micrometer set to readings 32^r 177, 32^r 217, 32^r 062, 31^r 731, 31^r 571, 31^r 465, 31^r 213, 31^r 127, 31^r 010, 30^r 806.
24. A correction of — 0^s 03 for defect of illumination has been applied in forming the concluded transit.
27. Observed over wire T with the transit-micrometer set to readings 37^r 400, 37^r 362, 37^r 300, 37^r 271, 37^r 219, 37^r 180, 37^r 122, 37^r 085, 37^r 025, 36^r 990.
37. Observed over wire T with the transit-micrometer set to readings 33^r 692, 33^r 865, 34^r 155, 34^r 301, 34^r 565, 34^r 692, 35^r 058, 35^r 174, 35^r 465, 35^r 572.
38. Observed over wire T with the transit-micrometer set to readings 29^r 981, 29^r 862, 29^r 709, 29^r 615, 29^r 500, 29^r 435, 29^r 285, 29^r 225, 29^r 057.
44. Observed over wire T with the transit-micrometer set to readings 35^r 573, 35^r 989, 36^r 418, 36^r 740, 37^r 142, 37^r 376, 37^r 787, 37^r 997, 38^r 342, 38^r 712.
45. Hazy.
46. Very faint.

39, 49. Faint.

MONTH and DAY	No. for Reference	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.			
															Collimation.									
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		(Level).	(Azimuth).								
				s	s	s	s	s	s	s	s	s	s	h	m	s	"	s	s	s	s	h	m	s
Oct. 10	1	η Aquarii	GC	32.4	35.0	37.4	...	45.0	47.4	54.8	57.2	59.8	2.1	22. 29. 47.47	- 0.82		47.58	34.04	46.46	46.61	.....			
	2	η Aquarii.....(E&E)	GC	58.7	13.4	28.2	43.0	57.8	12.6	27.3	...	...	...	22. 29. 47.38	(- 2.86)		47.49	34.04	46.55	[- 0.13]	.....			
	3	ζ Pegasi.....	GC	47.3	49.9	52.1	57.5	59.8	2.2	9.5	12.2	14.7	17.3	22. 36. 2.37	[+ 5.07]		2.40	48.91	46.51	.....	.....			
	4	ζ Pegasi.....(E&E)	GC	12.9	27.9	42.9	57.9	12.9	27.9	42.9	...	...	...	22. 36. 2.28			2.31	48.91	46.60	.....	.....			
	5	Saturn 1 L.....	GC	16.9	19.3	21.9	26.9	29.5	32.0	39.2	41.7	44.3	46.8	22. 45. 31.97			} 32.74			22. 46. 19.23				
	6	Saturn 2 L.....	GC	18.2	20.6	23.0	28.0	30.7	33.3	40.3	43.1	45.6	48.0	22. 45. 33.20										
	7	α Pegasi.....	GC	5.3	7.9	10.3	15.6	18.3	20.7	28.1	30.8	33.3	35.8	22. 59. 20.73			20.72	7.29	46.57	.....	.....			
	8	α Pegasi.....(E&E)	GC	30.3	45.8	1.0	16.3	31.3	46.8	2.3	...	...	...	22. 59. 20.64			20.63	7.29	46.66	.....	.....			
	9	γ Piscium.....	GC	18.7	21.1	23.5	28.5	31.0	33.5	40.8	43.3	45.7	48.2	23. 11. 33.55			33.63	20.16	46.53	.....	.....			
	10	α Andromedæ.....	GC	31.2	34.1	37.0	42.7	45.6	48.3	56.3	59.3	2.0	5.0	0. 2. 48.28			48.17	34.65	46.48	46.48	.....			
	11	Bradley 1672 S.P.....	GC	4.5	14.7	34.3	42.8	0.3	9.1	24.2	31.7	43.8	51.8	0. 12. 35.12			48.60	34.78	46.18	.....	.....			
	12	12 Ceti.....	GC	15.7	18.0	20.4	25.6	28.0	30.5	37.7	40.3	42.7	45.3	0. 24. 30.54			30.67	17.19	46.52	.....	.....			
	13	β Ceti.....	GC	52.4	55.2	57.7	2.8	5.7	8.3	15.8	18.3	21.1	23.7	0. 38. 8.22			8.44	54.97	46.53	.....	.....			
	14	δ Piscium.....	GC	49.7	51.9	54.3	59.5	2.0	4.6	11.7	14.3	16.8	19.2	0. 43. 4.52			4.57	51.06	46.49	.....	.....			
	15	20 Ceti.....	GC	13.6	15.9	18.3	23.3	25.7	28.3	35.7	38.2	40.6	43.0	0. 47. 28.38			28.49	14.94	46.45	.....	.....			
	16	20 Ceti.....(E&E)	GC	39.4	54.5	9.2	24.0	38.6	53.3	8.4	...	...	...	0. 47. 28.29			28.40	14.94	46.54	.....	.....			
	17	δ Geminorum.....	SD	29.7	32.3	35.0	40.3	43.2	45.8	53.7	56.3	59.0	1.5	7. 13. 45.80			45.74	32.27	46.53	46.59	.....			
	18	56 Geminorum.....	SD	...	...	...	34.0	36.7	39.3	47.0	49.7	...	...	7. 15. 39.32			39.27	...	...	.....	7. 16. 25.82			
	19	61 Geminorum.....	SD	23.3	26.0	28.4	33.7	36.3	39.0	46.8	49.3	52.0	54.8	7. 20. 39.08			39.04	...	...	.....	7. 21. 25.59			
	20	Castor.....	SD	33.9	36.9	39.7	45.7	48.5	51.6	0.1	3.0	6.0	8.8	7. 27. 51.55			51.41	37.93	46.52	.....	.....			
	21	Procyon.....	SD	22.7	25.3	27.7	32.7	35.1	37.7	44.8	47.5	49.9	52.3	7. 33. 37.69			37.75	24.30	46.55	.....	.....			
	22	Pollux.....	SD	...	...	...	37.6	43.3	46.2	48.9	57.1	0.0	...	7. 38. 48.96			48.86	35.47	46.61	.....	.....			
	23	δ 2 L.....	SD	...	...	...	10.3	16.0	18.5	21.3	29.2	32.0	...	7. 42. 21.32			21.28	...	...	.....	7. 42. 1.42			
	24	6 Cancri.....	SD	43.0	45.7	48.3	54.0	57.0	59.8	8.0	10.8	13.7	16.3	7. 56. 59.79			59.69	46.22	46.53	.....	.....			
	25	ζ Cancri.....	SD	48.5	51.0	53.6	...	1.4	4.2	11.6	14.3	16.9	...	8. 6. 4.10			4.07	...	...	.....	8. 6. 50.62			
	26	β Cancri.....	SD	24.7	27.2	29.7	34.8	37.2	39.7	47.0	49.6	51.9	54.4	8. 10. 39.74			39.77	26.34	46.57	.....	.....			
Oct. 11	27	Polaris S.P.....	RC	8.2	16.3	21.5	31.3	36.7	41.6	50.8	54.7	59.7	9.3	13. 25. 31.22			51.29	37.58	46.29	46.50	.....			
	28	Arcturus.....	RC	...	...	...	30.6	33.1	35.9	43.5	46.3	48.9	51.5	14. 10. 35.90			35.86	22.32	46.46	[- 0.10]	.....			
	29	β Aquarii.....	RC	37.3	39.8	42.3	47.3	49.7	52.3	59.5	2.1	4.5	7.0	21. 25. 52.30			52.43	38.88	46.45	.....	.....			
	30	ξ Aquarii.....	RC	45.4	48.0	50.4	55.7	58.0	0.5	7.7	10.3	12.8	15.3	21. 32. 0.53			0.67	47.15	46.48	.....	.....			
	31	α Aquarii.....d	JS	58.4	1.0	3.4	8.5	11.0	13.6	...	...	...	...	22. 0. 13.46			13.57	59.72	46.15	46.27	.....			
	32	α Aquarii.....r	JS	...	...	...	...	...	...	20.8	23.3	25.8	28.1	22. 0. 13.57			13.68	59.72	46.04	.....	.....			
	33	ι Pegasi.....r	JS	38.0	40.7	43.3	49.0	51.7	54.3	...	...	...	...	22. 1. 54.41			54.33	40.49	46.16	.....	.....			
	34	ι Pegasi.....d	JS	...	...	...	...	...	...	2.3	5.2	7.8	10.3	22. 1. 54.36			54.28	40.49	46.21	.....	.....			
	35	θ Aquarii.....	RC	53.2	55.7	58.2	3.3	5.9	8.4	15.7	18.3	20.4	23.0	22. 11. 8.33			8.47	54.85	46.38	46.50	.....			
	36	η Aquarii.....R.	RC	32.6	35.0	37.3	42.3	44.8	47.3	54.5	57.0	59.5	2.0	22. 29. 47.35			47.70	34.03	46.33	.....	.....			
	37	67 Aquarii.....R.	RC	20.7	23.1	25.4	30.4	33.0	35.4	42.7	45.3	47.7	50.3	22. 37. 35.52			35.85	...	...	.....	22. 38. 22.26			
	38	δ 2 L.....	W	50.8	53.5	56.0	1.6	4.2	6.9	14.7	17.3	19.9	22.6	8. 36. 6.87			6.84	...	...	46.45	8. 35. 46.68			
	39	ϵ Hydrae.....	W	47.5	49.9	52.3	57.4	59.9	2.5	9.6	12.1	14.7	17.1	8. 41. 2.42			2.47	49.01	46.54	[- 0.09]	8. 41. 48.89			
	40	β Leonis.....	W	14.3	16.8	19.4	24.7	27.2	29.7	37.4	39.7	42.3	45.0	11. 43. 29.77			29.76	16.16	46.40	.....	11. 44. 16.17			
Oct. 12	41	$\odot$ 1 L.....	W	10.0	12.3	14.9	20.0	22.5	25.0	32.3	34.7	37.4	39.8	13. 5. 25.01			} 30.04			13. 7. 16.44				
	42	$\odot$ 2 L.....	W	19.7	22.3	24.6	29.8	32.3	34.7	42.1	44.6	47.1	49.6	13. 7. 34.80										
	43	Polaris S.P.....	W	34.2	38.5	42.1	45.3	57.7	0.8	3.9	7.6	18.2	21.6	13. 25. 31.71			51.78	37.68	45.90	.....	.....			
	44	Venus 1 L.....	W	...	...	...	...	38.1	41.1	43.9	46.5	2.9	19.6	15. 56. 30.30			30.56	...	...	.....	15. 57. 18.24			
	45	δ Ophiuchi.....	W	24.3	26.7	29.3	34.2	36.8	39.3	46.4	49.0	51.4	53.9	16. 8. 39.25			39.37	25.70	46.33	.....	16. 9. 25.76			
	46	γ Herculis.....	W	44.7	47.2	49.6	55.1	57.7	0.3	8.0	10.6	13.4	15.7	16. 17. 0.35			0.31	46.66	46.35	.....	16. 17. 46.70			
	47	Antares.....	W	36.0	38.7	41.5	47.3	49.9	52.7	0.7	3.7	6.4	9.1	16. 22. 52.72			52.99	39.39	46.40	.....	16. 23. 39.38			
	48	ζ Ophiuchi.....	W	58.0	0.4	2.9	8.3	10.5	13.2	20.4	23.0	25.5	27.8	16. 31. 13.12			13.27	59.65	46.38	.....	16. 31. 59.66			
	49	ζ Herculis.....	W	40.9	43.6	46.6	52.5	55.5	58.4	6.8	9.7	12.7	15.6	16. 36. 58.36			58.22	44.63	46.41	.....	16. 37. 44.61			
	50	β Ophiuchi.....r	W	49.3	51.6	54.1	59.2	1.6	4.2	...	...	...	...	17. 38. 4.17			4.24	50.61	46.37	.....	17. 38. 50.62			
	51	β Ophiuchi.....d	W	...	...	...	...	...	...	11.4	13.9	16.3	18.8	17. 38. 4.13			4.20	50.61	46.41	.....	17. 38. 50.58			

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 2, 4, 8 and 16, - 115^s.70 : - 115^s.70 : - 115^s.70 : and - 115^s.70.
 Corrections for passage of Semidiameter, Nos. 23, 38 and 44, - 66^s.41 : - 66^s.58 : and + 1^s.29.

11. Observed over wire T with the transit-micrometer set to readings 35^r.656, 35^r.448, 35^r.248, 35^r.150, 34^r.920, 34^r.813, 34^r.642, 34^r.533, 34^r.378, 34^r.280.
 27. Observed over wire T with the transit-micrometer set to readings 36^r.703, 36^r.624, 36^r.601, 36^r.498, 36^r.474, 36^r.400, 36^r.353, 36^r.290, 36^r.270, 36^r.198.
 43. Observed over wire T with the transit-micrometer set to readings 37^r.499, 37^r.463, 37^r.438, 37^r.409, 37^r.300, 37^r.278, 37^r.238, 37^r.201, 37^r.136, 37^r.103.
 44. Barely visible; cloudy. Observed over wires U, V, W, X, Y, and Z.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GQAMM. 68A. 1C

[501]

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Oct. 12	1	μ Herculis.....d	W	44.3	46.9	49.7	55.4	58.3	1.1	...	...	...	...	17.42. 1.07	(- 0.82)	0.97	47.28	46.31	46.45	17.43. 47.35
	2	μ Herculis.....r	W	...	...	...	...	...	...	9.3	12.1	14.8	17.5	17.42. 1.07	(+ 5.07)	0.97	47.28	46.31	[- 0.09]	17.42. 47.35
Oct. 13	3	ω Aquilæ.....d	JS	24.3	26.9	29.4	34.5	36.9	39.6	...	...	...	...	19.12. 39.56	(- 2.14)	39.57	25.61	46.04	46.06	.....
	4	ω Aquilæ.....r	JS	...	...	...	...	...	...	47.0	49.6	52.0	54.5	19.12. 39.62	(+ 3.94)	39.63	25.61	45.98	.....	.....
	5	λ Ursæ Minoris.....	JS	44.5	49.9	54.6	12.4	17.2	22.3	33.8	38.8	44.5	52.0	19.14. 42.75	...	23.84	7.65	43.81	.....	.....
	6	δ Aquilæ.....r	JS	46.2	48.4	51.0	56.2	58.5	1.0	...	...	...	...	19.20. 1.04	...	1.10	47.03	45.93	.....	.....
	7	δ Aquilæ.....d	JS	...	...	...	...	...	...	8.3	10.7	13.3	15.6	19.20. 1.02	...	1.08	47.03	45.95	.....	.....
	8	η Sagittarii.....	JS	58.4	1.3	3.7	9.4	12.1	14.9	22.8	25.6	28.3	31.1	19.30. 14.88	...	15.06	1.08	46.02	.....	.....
	9	Groombridge 1119 S.P..	JS	4.5	9.6	16.7	35.0	42.1	55.7	12.8	19.2	25.7	34.8	20. 3. 38.07	...	55.51	39.43	43.92	.....	.....
	10	α^2 Capricorni.....	JS	50.8	53.4	56.0	1.0	3.6	6.3	13.6	16.1	18.6	21.3	20.12. 6.19	...	6.31	52.28	45.97	.....	.....
	11	α^2 Capricorni.....(E&E)	JS	17.2	32.5	47.4	2.9	17.9	33.1	48.4	...	...	...	20.12. 5.83	...	5.95	52.28	46.33	.....	.....
	12	β Capricorni.....	JS	44.1	46.7	49.4	54.4	57.2	59.8	7.0	9.7	12.3	14.8	20.14. 59.66	...	59.79	45.77	45.98	.....	.....
	13	β Capricorni.....(E&E)	JS	10.4	25.9	41.1	56.4	11.4	26.4	42.0	...	...	...	20.14. 59.29	...	59.42	45.77	46.35	.....	.....
	14	δ 2 L.....	E	53.6	56.1	58.7	4.0	6.6	9.3	16.9	19.3	21.8	24.6	10.24. 9.21	(- 0.50)	9.35	...	...	45.94	10.23. 48.62
														(+ 5.25)						
Oct. 14	15	$\odot$ 1 L.....	W	33.9	36.5	39.1	44.2	46.7	48.8	56.3	58.8	1.4	3.9	13.12. 49.08	...	...	...	...	...	13.14. 40.26
	16	$\odot$ 2 L.....	W	44.3	46.7	49.0	54.2	56.6	59.2	6.5	8.9	11.6	14.0	13.14. 59.22	...	54.37	...	...	...	...
	17	Polaris S.P.....	W	11.6	15.1	19.4	22.6	34.6	38.0	41.7	45.1	59.9	4.1	13.25. 37.25	...	51.85	37.74	45.89	.....	.....
	18	Mercury (centre).....	W	...	...	...	...	...	...	...	...	...	...	15.2 14. 5. 0.11	...	0.36	...	...	14. 5. 46.35	.....
	19	Arcturus.....	W	20.4	23.0	25.7	31.2	33.6	36.3	44.1	46.7	49.3	51.7	14.10. 36.32	...	36.43	22.32	45.89	.....	.....
Oct. 16	20	$\odot$ 1 L.....	W	59.9	2.3	4.9	10.0	12.3	15.1	22.3	24.9	27.4	29.8	13.20. 15.01	(- 0.56)	...	...	...	46.10	13.22. 6.43
	21	$\odot$ 2 L.....	W	10.3	12.7	15.2	20.3	22.9	25.4	32.7	35.3	37.6	40.2	13.22. 25.38	(- 1.01)	...	...	...	[- 0.10]	...
	22	β Ophiuchi.....	W	49.6	52.0	54.3	59.5	1.9	4.5	11.7	14.2	16.7	19.2	17.38. 4.48	(+ 4.50)	4.61	50.54	45.93	17.38. 50.64	...
	23	μ Herculis.....	W	44.3	47.1	49.7	55.6	58.3	1.3	9.4	12.2	14.9	17.6	17.42. 1.17	...	1.20	47.20	46.00	17.42. 47.23	...
	24	ρ Capricorni.....	W	29.9	32.6	35.2	40.5	43.0	45.5	53.3	55.7	58.5	1.2	20.22. 45.66	...	45.89	31.91	46.02	20.23. 31.90	...
	25	α Delphini.....	W	16.5	19.2	21.6	26.9	29.4	31.9	39.5	42.1	44.7	47.2	20.34. 32.02	...	32.10	18.09	45.99	20.35. 18.11	...
	26	Groombridge 3548.....	W	28.2	32.5	35.8	39.9	53.5	58.4	2.3	5.5	16.6	19.7	21.17. 51.97	...	47.42	33.68	46.26	.....	...
	27	γ Aquarii.....	W	49.5	51.8	54.3	59.3	1.6	4.3	11.6	14.1	16.5	18.9	22.16. 4.31	...	4.47	50.44	45.97	22.16. 50.48	...
	28	Bradley 3147.....	W	8.1	12.7	16.7	22.3	40.1	43.8	47.7	51.2	6.4	10.6	23.27. 31.96	...	27.21	12.83	45.62	...	...
	29	δ Ceti.....	W	56.3	58.8	1.5	6.7	9.3	12.0	19.5	22.1	24.7	27.3	23.58. 11.94	...	12.17	58.13	45.96	23.58. 58.17	...
	30	Pallas.....	W	5.8	8.3	10.7	15.9	18.5	21.2	28.6	31.3	33.6	36.3	0.47. 21.14	...	21.35	...	...	46.00	0.48. 7.35
	31	β Andromedæ.....	W	27.3	30.1	33.2	39.3	42.3	45.5	54.3	57.2	0.1	3.3	1. 3. 45.39	...	45.37	31.35	45.98	1. 4. 31.37	...
	32	Polaris.....	W	16.5	20.1	23.2	26.8	38.5	42.0	45.1	48.3	0.5	3.6	1.26. 4.78	...	51.68	37.81	46.13	.....	...
	33	δ Ceti.....d	W	41.4	43.6	46.2	51.5	53.8	56.4	...	...	...	...	2.33. 56.29	...	56.44	42.53	46.09	2.34. 42.43	...
	34	δ Ceti.....r	W	...	...	...	...	...	...	3.6	6.1	8.5	11.1	2.33. 56.39	...	56.54	42.53	45.99	2.34. 42.53	...
	35	γ^2 Ceti.....r	W	27.5	29.7	32.3	37.3	39.7	42.3	...	...	...	...	2.37. 42.29	...	42.43	28.50	46.07	2.38. 28.42	...
	36	γ^2 Ceti.....d	W	...	...	...	...	...	...	49.4	51.9	54.6	56.9	2.37. 42.24	...	42.38	28.50	46.12	2.38. 28.37	...
Oct. 17	37	Groombridge 1119 S.P..	JS	5.7	13.7	19.6	35.5	46.3	51.7	3.3	9.0	14.2	23.7	20. 3. 44.45	(- 1.42)	58.90	44.46	45.56	45.72	.....
	38	β Capricorni.....	JS	44.4	47.1	49.7	54.8	57.3	0.0	7.4	10.0	12.4	15.1	20.14. 59.94	(+ 3.88)	0.10	45.70	45.60	[- 0.15]	.....
	39	β Capricorni.....(E&E)	JS	11.8	27.3	42.8	58.2	13.2	28.3	43.8	...	...	...	20.14. 59.50	...	59.66	45.70	46.04	.....	.....
	40	ϵ Delphini.....	JS	44.3	46.7	49.3	54.4	56.8	59.6	6.7	9.3	11.8	14.2	20.27. 59.43	...	59.48	45.07	45.59	.....	.....
	41	ζ Cygni.....	JS	55.3	58.2	1.0	6.7	9.7	12.4	20.8	23.7	26.7	29.5	21. 8. 12.53	...	12.50	58.08	45.58	.....	.....
	42	Groombridge 3548.....	JS	35.8	40.0	44.0	47.9	51.5	56.2	0.2	4.7	9.2	...	21.17. 52.17	...	47.64	33.34	45.70	.....	.....
	43	α Aquarii.....	RC	58.5	1.0	3.8	8.4	11.0	13.7	20.7	23.3	25.8	28.2	0. 13.56	...	13.66	59.65	45.99	46.05	.....
	44	ι Pegasi.....	RC	38.2	40.8	43.6	49.1	51.8	54.4	2.4	5.5	8.0	10.8	22. 1. 54.58	...	54.57	40.40	45.83	.....	.....
Oct. 18	45	β Leonis.....	RC	15.2	17.8	20.3	25.6	28.0	30.5	38.0	40.6	43.3	45.8	11.43. 30.63	...	30.67	16.26	45.59	45.69	11.44. 16.29
	46	Polaris S.P.....	RC	39.7	47.1	54.3	7.8	20.0	26.2	50.5	4.3	11.9	25.0	13.25. 38.86	...	52.10	38.13	46.03	[- 0.14]	.....
Oct. 19	47	$\odot$ 1 L.....	RC	13.4	15.8	18.3	23.7	26.0	28.4	36.0	38.5	41.0	43.4	13.31. 28.57	...	...	...	...	...	13.33. 19.79
	48	$\odot$ 2 L.....	RC	24.3	26.8	29.3	34.3	37.0	39.5	46.8	49.5	52.0	54.4	13.33. 39.51	...	34.18	...	...	...	...

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 11, 13 and 39, - 117^s.02 : - 117^s.02 : and - 118^s.49.
Corrections for passage of Semidiameter, No. 14, - 66^s.64.

- Observed over wire T with the transit-micrometer set to readings 36^r.444, 36^r.477, 36^r.507, 36^r.633, 36^r.646, 36^r.704, 36^r.796, 36^r.813, 36^r.852, 36^r.901.
- Observed over wire T with the transit-micrometer set to readings 35^r.761, 35^r.706, 35^r.704, 35^r.566, 35^r.550, 35^r.403, 35^r.286, 35^r.247, 35^r.167, 35^r.081.
- Correction to R.A. on true meridian + 0^s.01.
- Observed over wire T with the transit-micrometer set to readings 39^r.248, 39^r.238, 39^r.177, 39^r.168, 39^r.057, 39^r.020, 39^r.012, 38^r.959, 38^r.863, 38^r.828.
- Barely visible. A correction of + 0^s.020 $\times$.42 = + 0^s.01 for defect of illumination has been applied in forming the concluded transit.
- Limbs faint; clouds passing.
- Cloudy.
- Observed over wire T with the transit-micrometer set to readings 32^r.582, 32^r.703, 32^r.776, 32^r.875, 33^r.186, 33^r.302, 33^r.400, 33^r.476, 33^r.770, 33^r.844.
- Very faint; cloudy.
- Observed over wire T with the transit-micrometer set to readings 39^r.542, 39^r.660, 39^r.723, 39^r.858, 40^r.278, 40^r.350, 40^r.440, 40^r.521, 40^r.863, 40^r.953.
- Observed over wire T with the transit-micrometer set to readings 37^r.606, 37^r.650, 37^r.686, 37^r.708, 37^r.812, 37^r.828, 37^r.874, 37^r.892, 37^r.990, 37^r.997.
- Observed over wire T with the transit-micrometer set to readings 33^r.063, 32^r.995, 32^r.938, 32^r.807, 32^r.739, 32^r.704, 32^r.613, 32^r.555, 32^r.523, 32^r.462.
- Observed over wire T with the transit-micrometer set to readings 35^r.600, 35^r.700, 35^r.800, 35^r.900, 36^r.000, 36^r.100, 36^r.200, 36^r.300, 36^r.400.
- Observed over wire T with the transit-micrometer set to readings 37^r.506, 37^r.437, 37^r.396, 37^r.241, 37^r.172, 37^r.149, 36^r.936, 36^r.800, 36^r.737, 36^r.616.

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at ϕ Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Oct. 19	1	Arcturus	RC	20.8	23.3	26.0	31.3	34.0	36.7	44.3	47.0	49.7	52.3	14. 10. 36.66	- 0.56	36.68	22.31	45.63	45.69	14. 11. 22.29
	2	Venus 1 L.	RC	7.3	9.9	12.8	18.4	21.2	24.0	32.0	35.0	37.7	40.4	16. 17. 23.99	(- 1.42)	24.19			[- 0.14]	16. 18. 11.23
	3	α Ophiuchi	RC	...	36.4	39.0	44.2	46.8	49.4	56.8	59.3	1.7	...	17. 29. 49.32	[+ 3.88]	49.37	34.89	45.52		17. 30. 34.96
	4	β Ophiuchi	RC	49.9	52.4	54.8	59.8	2.3	4.9	12.3	14.5	17.0	19.4	17. 38. 4.85		4.93	50.50	45.57		17. 38. 50.52
	5	μ Herculis	RC	44.8	47.6	50.3	55.9	58.8	1.7	9.8	12.5	15.6	18.0	17. 42. 1.63		1.61	47.14	45.53		17. 42. 47.20
	6	γ Aquilæ	JS	48.4	50.9	53.3	58.4	1.0	3.7	...	...	...	...	19. 41. 3.55		3.61	48.87	45.26	45.40	.....
	7	γ Aquilæ	JS	...	...	...	...	...	...	11.0	13.5	15.9	18.3	19. 41. 3.56		3.62	48.87	45.25		.....
	8	α Aquilæ	JS	12.9	15.4	17.7	23.0	25.4	28.0	...	...	...	...	19. 45. 27.96		28.02	13.31	45.29		.....
	9	α Aquilæ	JS	...	...	...	...	...	...	35.3	37.7	40.2	42.8	19. 45. 27.94		28.00	13.31	45.31		.....
	10	ϵ Sagittarii	RC	51.8	54.7	57.6	3.3	6.0	8.7	...	...	...	...	19. 56. 8.82		9.04	54.60	45.56	45.69	19. 56. 54.61
	11	ϵ Sagittarii	RC	...	...	...	...	...	...	17.2	19.8	22.5	25.3	19. 56. 8.82		9.04	54.60	45.56		19. 56. 54.61
	12	Groombridge 1119 S.P.	RC	17.0	23.9	32.5	43.3	48.3	53.7	5.0	11.0	16.5	28.8	20. 3. 46.78		1.23	46.91	45.68		.....
	13	θ Aquilæ	RC	28.0	30.7	33.2	38.2	40.7	43.2	50.3	52.8	55.4	57.8	20. 5. 43.15		43.25	28.97	45.72		20. 6. 28.82
	14	α^2 Capricorni	WS	...	...	...	1.2	3.7	6.3	13.7	16.3	18.7	21.4	20. 12. 6.31		6.46	52.17	45.71	45.83	.....
	15	β Capricorni	WS	44.3	46.6	49.3	54.5	57.1	59.7	7.4	10.0	12.3	14.9	20. 14. 59.73		59.89	45.66	45.77		.....
	16	ρ Capricorni	HA	30.6	33.1	35.8	41.0	43.7	46.4	53.8	56.4	59.0	1.7	20. 22. 46.27		46.45	31.86	45.41	45.50	.....
	17	ϵ Delphini	HA	44.4	47.0	49.5	54.3	57.0	59.7	7.0	9.7	12.1	14.4	20. 27. 59.63		59.68	45.03	45.35		.....
	18	θ Capricorni	WS	40.3	43.2	45.7	50.7	53.4	55.9	3.8	6.3	8.7	11.3	20. 59. 56.05		56.23	41.89	45.66	45.83	.....
Oct. 20	19	$\odot$ 1 L.	W	59.3	1.8	4.3	9.6	11.8	14.3	21.7	24.3	26.7	29.2	13. 35. 14.42		20.06			45.55	13. 37. 5.53
	20	$\odot$ 2 L.	W	10.3	12.8	...	20.3	22.9	25.4	32.7	...	37.8	40.3	13. 37. 25.42						
Oct. 21	21	$\odot$ 1 L.	JS	46.0	48.4	...	56.0	58.6	1.2	8.3	...	13.7	16.1	13. 39. 1.15						.....
	22	$\odot$ 2 L.	JS	57.0	59.5	1.9	7.0	9.7	12.2	19.7	22.1	24.5	27.2	13. 41. 12.20						.....
Oct. 22	23	$\odot$ 2 L.	S	43.6	46.2	48.7	54.0	56.8	59.0	6.3	8.8	11.3	13.9	13. 44. 58.98	- 0.67	59.10			45.40	13. 44. 38.68
	24	σ Aquarii	S	42.0	44.6	47.0	52.3	54.8	57.3	4.8	7.3	9.7	12.2	22. 24. 57.32	(- 2.87)	57.44	42.70	45.26	[- 0.09]	.....
	25	ζ Pegasi	S	48.3	50.8	53.3	58.4	...	3.4	10.8	13.3	15.8	18.3	22. 36. 3.45	[+ 4.31]	3.45	48.80	45.35		.....
	26	Saturn 1 L.	S	18.0	20.4	...	28.0	30.4	33.1	...	...	...	...	22. 43. 33.06		33.81				22. 44. 19.12
	27	Saturn 2 L.	S	19.2	21.7	...	29.3	31.7	34.3	...	...	...	...	22. 43. 34.32						
	28	ω Piscium	S	31.4	33.8	36.3	41.5	43.8	46.3	53.7	56.2	58.5	1.1	23. 53. 46.38		46.40	31.71	45.31		.....
	29	Bradley 1672 S.P.	S	57.0	15.3	24.3	33.7	43.6	51.7	58.1	6.1	18.5	26.2	0. 12. 39.90		51.99	37.29	45.30	45.31	.....
Oct. 23	30	ζ Ophiuchi	RC	59.3	1.6	3.9	9.2	11.7	14.3	21.7	24.3	26.6	29.1	16. 31. 14.29	(- 2.58)	14.43	59.54	45.11	45.26	16. 31. 59.60
	31	ζ Herculis	RC	41.8	44.8	47.6	53.4	56.4	59.3	7.8	10.8	13.7	16.7	16. 36. 59.36	[+ 4.62]	59.23	44.45	45.22	[- 0.13]	16. 37. 44.40
	32	κ Ophiuchi	RC	13.4	15.7	18.2	23.3	25.7	28.3	35.5	38.2	40.6	43.3	16. 52. 28.34		28.36	13.57	45.21		16. 53. 13.53
	33	ψ Sagittarii	B	48.8	51.7	54.3	59.9	2.7	5.6	13.4	16.3	19.0	21.6	19. 9. 5.46		5.70	48.15	42.45	42.55	.....
	34	δ 1 L.	RC	21.9	24.7	27.6	33.2	35.7	38.6	46.5	49.5	52.1	54.8	19. 16. 38.58		38.79			42.55	19. 18. 33.04
	35	Groombridge 1119 S.P.	RC	59.6	6.4	10.3	14.0	18.4	22.5	27.6	32.2	35.6	39.5	20. 3. 46.73		6.32	52.47	46.15	45.26	.....
	36	α^2 Capricorni	S	51.4	53.7	56.3	1.6	4.1	6.7	14.1	16.8	19.2	21.6	20. 12. 6.67		6.83	52.11	45.28	45.39	.....
	37	β Capricorni	RC	44.9	47.4	49.7	55.2	57.6	0.3	7.7	10.2	12.8	15.4	20. 15. 0.24		0.41	45.60	45.19	45.26	20. 15. 45.56
	38	α Delphini	JS	17.6	20.1	22.7	27.9	30.4	33.3	...	...	...	...	20. 34. 33.09		33.07	17.97	44.90	45.01	.....
	39	α Delphini	JS	...	...	...	...	...	...	40.7	43.3	45.7	48.3	20. 34. 33.15		33.13	17.97	44.84		.....
	40	ϵ Aquarii	JS	...	39.5	41.9	47.0	49.5	52.1	...	...	...	...	20. 41. 52.09		52.23	37.15	44.92		.....
	41	ϵ Aquarii	JS	...	...	...	...	...	...	59.4	2.0	4.5	6.9	20. 41. 52.11		52.25	37.15	44.90		.....
	42	32 Vulpeculæ	RC	33.2	35.8	38.6	44.3	47.2	49.9	58.0	0.9	3.6	6.3	20. 49. 49.91		49.81	34.92	45.11	45.26	20. 50. 34.96
	43	Groombridge 3548	RC	52.0	58.8	4.7	15.5	20.3	24.3	36.0	40.4	46.8	0.5	21. 17. 52.03		45.81	31.12	45.31		.....
	44	ϵ Pegasi	RC	36.1	38.4	41.0	46.1	48.5	51.1	58.3	0.9	3.3	5.9	21. 38. 51.08		51.11	36.22	45.11		21. 39. 36.25
	45	ϵ Pegasi	(E&E) RC	5.9	20.8	35.8	50.9	5.6	20.4	35.4	...	...	...	21. 38. 50.99		51.02	36.22	45.20		.....
	46	16 Pegasi	RC	47.7	50.3	53.2	58.7	1.4	4.3	12.1	14.9	17.6	20.3	21. 48. 4.18		4.10	49.21	45.11		21. 48. 49.24
	47	16 Pegasi	(E&E) RC	14.7	30.9	47.2	4.0	19.8	36.4	53.0	...	...	...	21. 48. 4.06		3.98	49.21	45.23		.....
	48	16 Cephei	R. RC	22.9	31.1	39.3	56.0	4.4	12.8	37.0	45.7	53.9	2.3	21. 57. 12.92		12.94				21. 57. 58.08
	49	32 Ursæ Majoris S.P. R.	RC	51.6	57.6	3.6	9.7	27.3	33.5	39.6	51.8	57.5	3.3	22. 10. 27.27		27.85				10. 11. 12.99

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 45, and 47, - 119^s.78 : - 119^s.78.
 Corrections for passage of Semidiameter, Nos. 2, 23, and 34, + 1^s.44 : - 65^s.77 : and + 71^s.79.

12. Observed over wire T with the transit-micrometer set to readings 37^s.615, 37^s.553, 37^s.506, 37^s.422, 37^s.373, 37^s.348, 37^s.236, 37^s.198, 37^s.180, 37^s.078.
 21, 22. Kept for diameter only, no determination of the clock error having been made within 24^{hrs} of the observation. 26, 27. Cloudy.
 29. Observed over wire T with the transit-micrometer set to readings 35^s.777, 35^s.556, 35^s.434, 35^s.329, 35^s.195, 35^s.117, 35^s.007, 34^s.898, 34^s.752, 34^s.657.
 33, 34. The transit-micrometer left at an unknown reading. 34. Correction to R.A. on true meridian + 0^s.01.
 35. Observed over wire R with the transit-micrometer set to readings 36^s.065, 36^s.017, 35^s.990, 35^s.958, 35^s.923, 35^s.878, 35^s.842, 35^s.803, 35^s.778, 35^s.743.
 43. Observed over wire T with the transit-micrometer set to readings 37^s.427, 37^s.557, 37^s.728, 37^s.984, 38^s.090, 38^s.186, 38^s.454, 38^s.558, 38^s.717, 39^s.034.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.					
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		[Level].											
				s	s	s	s	s	s	s	s	s	s		[Azimuth].											
																			"	s	s	s	s	h	m	s
1908 OCTOBER	Oct. 23	1 Bradley 3147.....	RC	14.8	23.3	29.7	35.3	41.5	46.7	52.2	56.7	1.0	7.2	23.27.33.11	- 0.67	26.62	11.51	44.89	45.26							
		2 Bradley 1672 S.P.....	RC	57.9	4.5	12.8	26.5	33.7	38.2	50.3	56.3	59.8	13.0	0.12.40.84	(- 2.58)	52.86	37.58	44.72	45.13	.....						
		3 44 Piscium.....	RC	37.6	40.0	42.4	47.6	50.1	52.3	59.7	2.3	4.7	7.2	0.19.52.51	[+ 4.62]	52.59	37.73	45.14		0.20.37.72						
		4 Pallas.....	RC	58.7	1.3	3.7	9.0	11.3	14.1	21.6	24.2	26.6	29.6	0.42.14.13		14.31				0.42.59.44						
		5 θ Ceti.....	RC	21.8	24.3	26.7	32.0	34.3	37.0	44.1	46.8	49.2	51.7	1.18.36.91		37.04	22.21	45.17		1.19.22.16						
		6 Polaris.....	RC	30.5	37.5	42.2	0.8	6.5	11.5	24.3	29.5	33.9	47.2	1.26.10.89		53.20	38.58	45.38		.....						
1908 OCTOBER	Oct. 24	7 ☉ 1 L.....	JS	...	...	...	...	...	23.7	31.3	33.7	36.1	38.8	13.50.23.78	(- 2.29)	} 29.71			44.86	} 13.52.14.49						
		8 ☉ 2 L.....	JS	20.1	22.5	25.3	30.2	32.9	35.6	42.7	45.4	47.8	50.3	13.52.35.40	[+ 4.00]				0.14		20.15.45.60					
		9 β Capricorni.....	JS	45.4	47.8	50.2	55.6	58.1	0.8	8.2	10.7	13.4	15.8	20.15.0.72		0.86	45.58	44.72		20.19.36.02						
		10 δ 1 L.....	JS	24.4	27.3	30.0	35.6	38.2	41.0	48.9	51.6	54.2	56.6	20.17.40.90		41.07				.....						
		11 ρ Capricorni.....	B	31.0	33.4	36.0	41.5	44.1	46.7	54.3	56.8	59.5	2.1	20.22.46.66		46.82	31.78	44.96	45.12	.....						
		12 ε Delphini.....	B	44.7	47.2	49.7	54.9	57.4	59.8	7.2	9.8	12.4	14.8	20.27.59.91		59.91	44.95	45.04		.....						
		13 ε Aquarii.....	JS	37.3	39.7	42.2	47.3	49.6	52.3	59.6	2.1	4.7	7.2	20.41.52.32		52.43	37.13	44.70	44.86	20.42.37.17						
		14 32 Vulpeculæ.....	JS	33.6	36.2	39.0	44.7	47.4	50.2	58.3	1.2	4.0	6.8	20.49.50.27		50.16	34.90	44.74		20.50.34.90						
		15 θ Capricorni.....	PM	41.2	43.6	46.2	51.5	54.0	56.7	4.3	6.8	9.4	12.0	20.59.56.69		56.85	41.81	44.96	45.13	.....						
		16 ζ Cygni.....	PM	55.9	58.7	1.5	7.3	10.1	13.0	21.3	24.0	27.2	29.8	21.8.13.01		12.90	57.94	45.04		.....						
		17 ζ Cygni.....(E&E)	PM	21.5	38.6	...	...	...	46.8	4.0	...	...	...	21.8.12.89		12.78	57.94	45.16		.....						
		18 ε Aquarii.....	PM	46.8	49.2	51.7	56.8	59.4	1.9	9.2	11.6	14.1	16.6	21.32.1.85		1.95	46.97	45.02		.....						
		19 ε Aquarii.....(E&E)	PM	16.8	31.7	...	...	...	31.5	46.4	...	...	...	21.32.1.75		1.85	46.97	45.12		.....						
		20 γ Aquarii.....d	JS	50.7	53.2	55.5	0.5	3.0	5.6	...	...	...	...	22.16.5.56		5.64	50.35	44.71	44.86	22.16.50.37						
		21 γ Aquarii.....r	JS	...	...	...	...	...	12.7	15.3	17.7	20.2	22.6	5.53		5.61	50.35	44.74		22.16.50.34						
		22 σ Aquarii.....r	JS	...	45.3	47.6	52.8	55.2	57.8	...	...	...	...	22.24.57.85		57.97	42.68	44.71		22.25.42.70						
		23 σ Aquarii.....d	JS	...	...	...	...	...	5.2	7.6	10.2	12.7	22.24.57.78		57.90	42.68	44.78		22.25.42.63							
		24 Bradley 3147.....	JS	10.6	15.5	24.0	39.4	43.9	49.4	2.9	7.6	11.3	16.0	23.27.32.98		27.19	11.25	44.06		.....						
		25 Bradley 1672 S.P.....	JS	27.6	33.4	40.1	53.4	58.3	2.4	16.7	21.3	28.0	36.7	0.12.42.87		53.57	37.92	44.35	44.72	.....						
		26 12 Ceti.....	JS	17.6	19.9	22.3	27.4	29.7	32.4	39.7	42.0	44.7	47.1	0.24.32.40		32.49	17.19	44.70		0.25.17.21						
		27 Polaris.....	JS	15.1	21.6	27.2	43.3	48.3	54.6	9.9	16.8	22.1	33.1	1.26.8.35		52.59	38.50	45.91		.....						
		28 ν Piscium.....R.	JS	35.2	37.9	40.2	45.2	47.6	50.3	57.4	0.0	2.3	4.8	1.35.50.21		50.45	35.18	44.73		1.36.35.16						
		29 ν Piscium.....R.	JS	...	31.1	33.6	38.7	41.1	43.6	50.9	53.6	55.9	...	1.39.43.68		43.93	28.65	44.72		1.40.28.64						
		30 ξ ² Ceti.....	JS	12.8	15.3	17.7	22.7	25.1	27.7	35.2	37.6	40.1	42.7	2.22.27.84		27.86	12.53	44.67		2.23.12.57						
		31 ξ ² Ceti.....(E&E)	JS	42.3	57.4	12.3	27.4	42.4	57.3	12.3	...	...	...	2.22.27.44		27.46	12.53	45.07		.....						
		32 ν Ceti.....	JS	59.6	1.9	4.5	9.6	12.0	14.7	21.8	24.3	26.8	29.2	2.30.14.56		14.59	59.31	44.72		2.30.59.30						
		33 ν Ceti.....(E&E)	JS	29.5	44.4	59.4	14.5	28.9	43.8	58.8	...	...	...	2.30.14.29		14.32	59.31	44.99		.....						
		34 Polaris S.P.....	W	48.2	52.0	57.2	1.3	15.6	18.8	22.5	26.1	37.9	41.8	13.25.38.00	(- 1.03)	50.86	38.43	47.57	44.96	1.26.35.75						
														[+ 3.97]				[- 0.12]	.....							
1908 OCTOBER	Oct. 25	35 ☉ 1 L.....	W	57.1	59.6	2.0	7.4	9.7	12.1	19.7	22.3	24.9	27.3	13.54.12.33		} 18.55				} 13.56.3.44						
		36 ☉ 2 L.....	W	9.2	11.7	14.1	19.2	21.9	24.5	31.8	34.5	36.8	39.6	13.56.24.45												
		37 ζ Herculis.....	W	...	...	...	53.7	56.7	59.6	8.0	11.1	13.9	17.0	16.36.59.63		59.60	44.42	44.82		16.37.44.48						
		38 ε Herculis.....	W	39.2	42.3	45.0	51.0	53.7	56.8	5.3	8.1	11.0	13.7	16.55.56.74		56.71	41.54	44.83		16.56.41.59						
		39 α ¹ Herculis.....	W	21.9	24.4	26.9	32.2	34.6	37.2	44.7	47.2	49.7	52.3	17.9.37.23		37.28	22.09	44.81		17.10.22.15						
		40 β Ophiuchi.....	W	50.6	53.0	55.5	0.5	3.3	5.6	12.7	15.3	17.7	20.2	17.38.5.56		5.66	50.42	44.76		17.38.50.53						
		41 μ Herculis.....	W	45.4	48.1	50.9	56.5	59.4	2.2	10.4	13.3	16.0	18.7	17.42.2.22		2.21	47.04	44.83		17.42.47.08						
		42 32 Vulpeculæ.....	S	33.2	35.8	38.7	44.2	47.0	49.7	58.0	0.9	3.6	6.4	20.49.49.88		49.87	34.88	45.01	45.14	.....						
		43 ζ Cygni.....	S	55.5	58.4	1.2	7.2	9.8	12.8	21.4	24.2	27.1	29.7	21.8.12.86		12.84	57.92	45.08		.....						
		44 α Equulei.....	W	9.5	11.9	14.3	19.4	21.8	24.3	31.6	34.4	36.5	39.0	21.10.24.39		24.49	9.39	44.90	44.96	21.11.9.34						
		45 δ 1 L.....	W	33.4	36.0	38.6	43.8	46.5	49.5	57.2	59.6	2.5	5.2	21.15.49.35		49.53				21.17.42.63						
		46 Groombridge 3548.....	W	54.2	58.6	3.3	6.4	18.5	21.9	26.0	29.2	39.7	42.5	21.17.50.37		46.00	30.26	44.26		21.18.30.85						
		47 μ Capricorni.....	W	14.5	17.2	19.8	25.1	27.5	29.7	37.6	40.0	42.6	45.3	21.47.27.51		27.68				21.48.12.53						
		48 α Aquarii.....	W	2.3	4.7	7.0	11.9	14.4	16.9	24.3	26.8	29.3	31.6	22.0.14.57		14.69	59.55	44.86		22.0.59.54						
		49 Saturn 1 L.....	W	58.2	0.6	3.0	8.2	10.7	13.5	20.6	23.1	25.6	28.3	22.43.10.79		} 11.54				} 22.43.56.39						
		50 Saturn 2 L.....	W	59.3	1.7	4.2	9.6	11.9	14.5	21.8	24.3	27.0	29.5	22.43.11.99												
		51 μ Pegasi.....	RC	31.7	34.6	37.3	43.0	45.4	48.2	55.9	58.8	1.5	4.2	22.44.45.51		45.52	30.41	44.89	45.02	.....						
		52 λ Aquarii.....	RC	47.4	49.8	52.3	57.5	59.8	2.6	9.7	12.3	14.7	17.2	22.46.59.98		0.12	45.04	44.92		.....						

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 17, 19, 31 and 33, - 119^s.95: - 119^s.95: - 119^s.98: and - 119^s.98.

Corrections for passage of Semidiameter, Nos. 10 and 45, + 70^s.20: and + 68^s.24.

- Observed over wire W with the transit-micrometer set to readings 34^s.718, 34^s.927, 35^s.083, 35^s.181, 35^s.332, 35^s.455, 35^s.564, 35^s.684, 35^s.783, 35^s.920.
- Observed over wire R with the transit-micrometer set to readings 37^s.050, 36^s.958, 36^s.858, 36^s.692, 36^s.588, 36^s.519, 36^s.379, 36^s.304, 36^s.252, 36^s.105.
- Observed over wire U with the transit-micrometer set to readings 36^s.267, 36^s.338, 36^s.380, 36^s.536, 36^s.560, 36^s.629, 36^s.738, 36^s.784, 36^s.826, 36^s.915.
- Correction to R.A. on true meridian + 0^s.01.
- Observed over wire T with the transit-micrometer set to readings 32^s.767, 32^s.893, 33^s.082, 33^s.434, 33^s.531, 33^s.669, 33^s.965, 34^s.050, 34^s.114, 34^s.248.
- Observed over wire T with the transit-micrometer set to readings 35^s.443, 35^s.303, 35^s.276, 35^s.105, 35^s.053, 34^s.990, 34^s.829, 34^s.761, 34^s.670, 34^s.539.
- Observed over wire T with the transit-micrometer set to readings 35^s.022, 35^s.103, 35^s.156, 35^s.309, 35^s.326, 35^s.354, 35^s.489, 35^s.566, 35^s.622, 35^s.710.
- Observed over wire T with the transit-micrometer set to readings 39^s.460, 39^s.423, 39^s.394, 39^s.360, 39^s.224, 39^s.183, 39^s.168, 39^s.142, 39^s.033, 38^s.997.
- Diffused and unsteady.
- Clouds passing. Correction to R.A. on true meridian + 0^s.01.
- Observed over wire T with the transit-micrometer set to readings 43^s.172, 43^s.270, 43^s.412, 43^s.473, 43^s.792, 43^s.848, 43^s.942, 44^s.024, 44^s.253, 44^s.326.
- Cloudy.
- 47, 48, 49, 50, 51 and 52. Reading of transit-micrometer 37^s.000. Reduced to normal reading in forming the concluded transit.

MONTH and DAY.	No. for Reference	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparent Slow.	Adopted Clock Slow at Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s	h m s	"	s	s	s	s	h m s
Oct. 25	1	Vesta	W	30.6	33.3	35.6	41.0	43.5	45.9	53.8	56.3	58.8	1.6	23. 7. 43.61	- 0.67	43.79			44.96	23. 8. 28.63
	2	Bradley 3147	W	22.1	27.6	31.1	35.6	49.2	52.7	56.4	0.0	14.0	18.8	23. 27. 30.70	- 1.03	26.14	10.97	44.83	- 0.12	23. 28. 10.98
	3	Piscium	W	9.6	12.2	14.6	19.6	22.2	24.6	31.6	34.4	36.8	39.3	23. 34. 24.61	+ 3.97	24.70	9.51	44.81		23. 35. 9.54
	4	2 Ceti	W	57.4	59.9	2.6	7.8	10.5	13.0	20.4	23.3	25.8	28.5	23. 58. 13.04		13.23	58.10	44.87		23. 58. 58.07
	5	Bradley 1672 S.P.	W	52.6	56.4	0.1	3.9	17.4	20.8	24.3	28.3	40.7	44.4	0. 12. 43.89		52.52	38.30	45.78	44.84	12. 13. 37.36
	6	Polaris	W	29.6	33.6	36.8	40.6	55.0	58.0	1.6	4.8	18.0	21.2	1. 26. 3.81		51.27	38.35	47.08		1. 26. 36.10
	7	α Arietis	W	54.5	57.0	59.8	5.4	7.9	10.7	18.4	21.3	23.9	26.6	2. 1. 10.67		10.69	55.56	44.87		2. 1. 55.52
	8	α Arietis	W	22.6	38.6	54.5	10.7	26.7	42.6	58.8	...	...	...	2. 1. 10.64		10.66	55.56	44.90		...
	9	γ^2 Ceti	W	28.8	31.3	33.7	38.6	41.0	43.5	...	...	...	...	2. 37. 43.64		43.75	28.61	44.86		2. 38. 28.58
	10	γ^2 Ceti	W	...	...	...	...	...	...	50.7	53.4	55.7	58.1	2. 37. 43.53		43.04	28.61	44.97		2. 38. 28.47
	11	Groombridge 2283 S.P.	W	48.3	3.3	7.1	10.9	23.6	26.8	29.7	33.5	43.1	...	3. 5. 42.93		49.38	32.44	43.06		15. 6. 34.20
	12	γ^1 Arietis	W	50.1	52.8	55.4	0.8	3.5	6.1	13.7	16.5	19.1	21.7	3. 15. 6.09		6.11	51.06	44.95		3. 15. 50.93
	13	γ^1 Arietis	W	...	34.5	50.1	6.3	21.8	37.7	...	...	...	...	3. 15. 6.08		6.10	51.06	44.96		...
Oct. 26	14	$\odot$ 1 L	HA	46.8	49.2	51.6	56.9	59.6	2.1	9.5	12.1	14.5	17.2	13. 58. 2.07	- 0.50	8.36			44.63	13. 59. 52.99
	15	$\odot$ 2 L	HA	59.0	1.6	4.0	9.3	...	...	...	24.3	26.8	29.6	14. 0. 14.37	+ 3.35					...
	16	β Aquarii	HA	39.0	41.3	43.7	48.8	51.3	53.9	1.2	3.6	6.3	8.5	21. 25. 53.88		54.00	38.67	44.67		...
	17	ξ Aquarii	HA	47.3	49.6	52.2	57.3	59.6	2.1	9.5	12.0	14.4	17.1	21. 32. 2.23		2.35	46.94	44.59		...
	18	δ Capricorni	HA	53.1	55.4	58.1	3.4	6.0	8.5	16.1	18.7	21.3	23.8	21. 41. 8.56		8.71	53.35	44.64		...
	19	μ Capricorni	HA	12.3	14.9	17.4	22.6	25.2	27.6	35.2	37.8	40.3	42.8	21. 47. 27.73		27.87				21. 48. 12.50
	20	$\odot$ 1 L	HA	35.4	37.7	40.2	45.5	48.1	51.0	58.3	1.3	3.7	6.4	22. 10. 50.88		51.02				22. 12. 41.94
	21	Mösting A.	HA	55.7	58.4	1.1	6.4	9.0	11.6	19.0	21.9	24.4	27.0	22. 12. 11.57		11.71				22. 12. 41.56
	22	σ Aquarii	HA	42.7	45.2	47.6	52.7	55.3	57.9	5.4	7.8	10.3	12.8	22. 24. 57.89		58.02	42.65	44.63		...
Oct. 27	23	$\odot$ 1 L	RC	37.0	39.4	41.7	47.1	49.6	52.2	59.5	2.1	4.5	7.1	14. 1. 52.14	- 0.74	58.48			44.97	14. 3. 43.44
	24	$\odot$ 2 L	RC	49.3	51.6	54.3	59.6	2.1	4.6	12.0	14.7	17.2	19.6	14. 4. 4.62	+ 2.73				- 0.01	...
	25	α Equulei	JS	9.7	12.2	14.5	19.7	22.1	24.6	...	...	...	...	21. 10. 24.63		24.69	9.36	44.67	44.64	...
	26	α Equulei	JS	...	...	...	...	...	...	31.9	34.4	36.8	39.3	21. 10. 24.63		24.69	9.36	44.67		...
	27	ι Capricorni	JS	2.4	5.1	7.7	12.8	15.4	18.2	...	...	...	...	21. 16. 18.10		18.21	2.80	44.59		...
	28	ι Capricorni	JS	...	...	...	...	...	...	25.7	28.3	30.8	33.4	21. 16. 18.10		18.21	2.80	44.59		...
	29	Groombridge 3548	JS	27.0	33.7	39.2	55.2	0.3	4.8	19.6	24.1	29.1	33.5	21. 17. 47.73		44.47	29.43	44.96		...
	30	γ Aquarii	RC	50.3	52.9	55.3	0.4	2.8	5.4	12.5	14.8	17.4	19.9	22. 16. 5.29		5.37	50.31	44.94	44.97	22. 16. 50.33
	31	σ Aquarii	RC	42.3	44.8	47.4	52.5	54.8	57.5	4.7	7.3	9.9	12.4	22. 24. 57.48		57.57	42.64	45.07		22. 25. 42.53
	32	Saturn 1 L	RC	42.4	44.9	47.4	52.3	55.0	57.6	4.7	7.3	9.9	12.3	22. 42. 57.50		58.18				22. 43. 43.14
	33	Saturn 2 L	RC	43.6	46.1	48.5	53.6	56.1	58.6	5.9	8.6	11.1	13.5	22. 42. 58.68		2.82				23. 4. 52.36
	34	$\odot$ 1 L	RC	47.2	49.7	52.3	57.6	0.0	2.8	10.3	12.8	15.4	18.0	23. 3. 2.73		22.07				23. 4. 52.26
	35	Mösting A.	RC	6.4	9.0	11.6	16.7	19.3	21.8	29.6	32.3	34.7	37.2	23. 4. 21.98		7.60				23. 15. 52.56
	36	Lalande 45698-9	RC	52.6	55.0	57.6	2.5	4.9	7.5	14.9	17.3	19.5	22.1	23. 15. 7.52		25.60	10.40	44.80		...
	37	Bradley 3147	RC	5.7	12.2	17.9	28.7	34.6	39.1	50.1	54.9	0.0	13.8	23. 27. 29.01		53.49	39.07	45.58	44.96	...
	38	Bradley 1672 S.P.	RC	3.5	10.1	14.2	27.5	32.3	36.0	47.6	51.3	55.5	6.0	0. 12. 47.07		32.12	17.18	45.06	45.08	...
	39	ϵ Ceti	WS	17.3	19.5	22.0	27.0	29.5	32.0	39.3	41.7	44.2	46.7	0. 24. 32.04		53.32	38.25	44.93	44.96	0. 33. 38.28
	40	ϵ Andromedæ	RC	36.3	39.2	42.0	47.6	50.5	53.3	1.6	4.3	7.1	10.2	0. 32. 53.34		9.88	54.98	45.10	45.08	...
	41	β Ceti	WS	54.0	56.7	59.2	4.7	7.0	9.6	17.3	19.9	22.7	25.3	0. 38. 9.76		33.55			44.96	0. 40. 18.51
	42	Pallas	RC	17.9	20.3	23.1	28.2	30.7	33.4	41.2	43.7	46.0	48.7	0. 39. 33.44		52.27	37.96	45.69		...
	43	Polaris	RC	40.5	3.7	17.2	23.0	28.3	43.0	48.1	52.8	7.8	...	1. 26. 1.62		50.22	35.19	44.97		1. 36. 35.18
	44	ν Piscium	RC	35.3	37.7	40.1	45.1	47.5	50.3	57.3	59.8	2.4	4.8	1. 35. 50.17		2.89				14. 1. 47.85
	45	α Draconis S.P.	RC	...	...	39.5	45.3	2.3	8.6	14.2	26.2	...	...	2. 1. 2.45		18.90				14. 9. 3.86
	46	γ Ursæ Minoris S.P.	RC	...	...	...	43.3	18.5	30.4	41.8	...	...	...	2. 8. 18.16		39.87	24.78	44.91		2. 57. 24.83
	47	α Ceti	RC	24.9	27.4	29.8	34.8	37.3	39.7	47.0	49.6	52.0	54.4	2. 56. 39.81		6.03	51.09	45.06		3. 15. 50.99
	48	γ^1 Arietis	RC	50.0	52.7	55.4	0.7	3.3	6.1	...	...	...	...	3. 15. 6.03		6.28	51.09	44.81		3. 15. 51.24
	49	γ^1 Arietis	RC	...	...	...	...	...	...	14.0	16.4	19.3	22.2	3. 15. 6.28		11.98	56.93	44.95		3. 41. 56.94
	50	η Tauri	RC	55.8	58.4	1.2	6.6	9.3	12.0	19.8	22.4	25.3	27.9	3. 41. 11.99		11.91	56.93	45.02		...
	51	η Tauri	RC	24.0	40.2	56.3	12.8	28.6	44.8	1.0	...	...	...	3. 41. 11.92						...

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 8, 13 and 51, - 120^s.08 : - 120^s.08 : and - 120^s.69.
Corrections for passage of Semidiameter, Nos. 20 and 34, + 66^s.28 : and + 64^s.57.

1. Reading of transit-micrometer 37^s.000. Reduced to normal reading in forming the concluded transit. Very faint and diffused.
2. Observed over wire T with the transit-micrometer set to readings 33^s.060, 33^s.198, 33^s.284, 33^s.419, 33^s.608, 33^s.760, 33^s.873, 33^s.933, 34^s.267, 34^s.383.
5. Observed over wire T with the transit-micrometer set to readings 36^s.650, 36^s.603, 36^s.553, 36^s.520, 36^s.353, 36^s.298, 36^s.253, 36^s.192, 36^s.012, 35^s.978.
6. Observed over wire T with the transit-micrometer set to readings 39^s.250, 39^s.293, 39^s.339, 39^s.356, 39^s.356, 39^s.448, 39^s.502, 39^s.524, 39^s.534, 39^s.670, 39^s.690.
11. Observed over wire T with the transit-micrometer set to readings 29^s.762, 29^s.732, 29^s.466, 29^s.419, 29^s.162, 29^s.150, 29^s.072, 29^s.012, 28^s.849.
15. Cloudy.
- 20, 34. Correction to R.A. on true meridian, + 0^s.01.
21. Reduction to D's centre at time of transit of Crater, - 14^s.24. A further correction of - 0^s.54 has been applied to reduce to time of transit of D's centre on true meridian.
29. Observed over wire T with the transit-micrometer set to readings 35^s.501, 35^s.676, 35^s.794, 36^s.183, 36^s.292, 36^s.401, 36^s.763, 36^s.857, 36^s.984, 37^s.076.
35. Reduction to D's centre at time of transit of Crater - 14^s.26. A further correction of - 0^s.51 has been applied to reduce to time of transit of D's centre on true meridian.
37. Observed over wire T with the transit-micrometer set to readings 36^s.908, 36^s.967, 37^s.104, 37^s.342, 37^s.478, 37^s.577, 37^s.842, 37^s.948, 38^s.050, 38^s.351.
38. Observed over wire T with the transit-micrometer set to readings 34^s.750, 34^s.705, 34^s.145, 33^s.951, 33^s.906, 33^s.865, 33^s.710, 33^s.677, 33^s.610, 33^s.491.
42. Faint.
43. Observed over wire T with the transit-micrometer set to readings 34^s.861, 35^s.014, 35^s.138, 35^s.157, 35^s.187, 35^s.332, 35^s.373, 35^s.395, 35^s.542. Very diffused.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
Oct. 27	1	γ^1 Eridani.....	RC	40.9	43.6	45.9	51.1	54.0	56.3	3.6	6.3	8.7	11.3	3. 52. 56.29	- 0.67		56.39	41.21	44.82	44.96	3. 53. 41.35
	2	γ^1 Eridani.....(E&E)	RC	11.2	26.4	41.4	57.0	11.9	27.0	42.4	...	...	...	3. 52. 56.15	(- 0.74)		56.25	41.21	44.96	[- 0.01]	.....
	3	ϵ Tauri.....	RC	9.8	12.5	15.0	20.3	23.0	25.8	33.3	36.0	38.4	41.1	4. 22. 25.64	[+ 2.73]		25.64	10.61	44.97		4. 23. 10.60
Oct. 28	4	ϵ Virginis.....	JS	30.3	33.0	35.5	40.5	43.1	45.7	53.0	55.7	58.2	0.5	12. 56. 45.67	0.00		45.81	30.14	44.33	44.45	.....
	5	Polaris S.P.....	JS	45.9	50.6	54.6	6.7	13.8	18.3	29.7	33.3	36.7	40.8	13. 25. 46.09	(- 0.19)		53.38	37.70	44.32	[- 0.15]	.....
Oct. 29	6	$\odot$ 1 L.....	JS	19.9	22.3	25.0	30.2	32.7	35.3	42.6	45.4	47.8	50.3	14. 9. 35.27			41.86				14. 11. 26.22
	7	$\odot$ 2 L.....	JS	32.7	35.2	37.7	42.9	45.6	48.0	55.6	58.0	0.4	3.0	14. 11. 48.03							.....
	8	ϵ^2 Boötis.....	JS	51.4	54.0	57.0	2.5	5.5	8.3	16.3	19.2	21.9	24.7	14. 40. 8.21			8.30	52.71	44.41		.....
	9	α Andromedæ.....d	JS	33.1	36.0	38.9	44.5	47.3	50.3	...	...	...	...	0. 2. 50.19			50.28	34.57	44.29	44.30	.....
	10	α Andromedæ.....r	JS	...	...	...	...	...	...	58.3	1.5	4.1	7.0	0. 2. 50.28			50.37	34.57	44.20		.....
Nov. 2	11	α Lyrae.....	JS	42.6	45.6	48.9	55.3	58.4	1.7	10.9	14.3	17.4	20.4	18. 33. 1.69	(- 0.76)		1.67	45.54	43.87	43.97	18. 33. 45.53
	12	β^1 Lyrae.....	JS	35.4	38.3	41.2	47.2	50.2	53.3	1.7	4.8	7.7	10.7	18. 45. 53.18	[+ 2.84]		53.19	37.01	43.82	[- 0.14]	18. 46. 37.05
	13	ϵ Aquarii.....	JS	37.8	40.2	42.8	48.0	50.3	53.0	0.3	2.8	5.4	7.9	20. 41. 52.97			53.12	37.00	43.88		20. 42. 36.97
	14	ϵ Aquarii.....(E&E)	JS	10.7	25.5	40.4	55.7	10.5	25.5	40.7	...	...	...	20. 41. 52.64			52.79	37.00	44.21		.....
	15	μ Aquarii.....	JS	37.5	40.2	42.6	47.6	50.2	52.7	0.2	2.7	5.3	7.6	20. 46. 52.78			52.93	36.78	43.85		20. 47. 36.78
	16	Groombridge 3548.....	JS	20.1	24.7	31.2	49.4	54.0	58.5	12.6	16.7	21.5	31.8	21. 17. 45.80			43.21	27.21	44.00		.....
	17	16 Pegasi.....	JS	48.7	51.5	54.1	59.7	2.4	5.3	13.2	15.8	18.6	21.3	21. 48. 5.19			5.23	49.04	43.81		21. 48. 49.07
	18	ι Pegasi.....	WS	...	...	...	50.5	53.4	55.9	3.8	6.5	9.4	12.0	22. 1. 55.93			55.97	40.16	44.19	44.32	.....
	19	Saturn 1 L.....	JS	12.3	...	17.4	...	...	27.6	...	37.5	...	42.4	22. 42. 27.56			28.17			43.97	22. 43. 12.01
	20	Saturn 2 L.....	JS	...	15.7	...	23.5	25.9	...	35.8	...	40.9	...	22. 42. 28.48							.....
	21	γ Piscium.....	JS	21.2	23.6	26.0	31.0	33.5	36.0	43.3	45.8	48.2	50.6	23. 11. 36.04			36.15	19.99	43.84		23. 12. 19.98
	22	Bradley 3147.....	JS	27.4	32.4	38.0	52.6	57.3	1.6	14.4	19.1	22.9	32.5	23. 27. 28.00			25.30	8.93	43.63		.....
	23	ϵ Andromedæ.....	JS	37.4	40.2	43.0	48.6	51.6	54.5	2.6	5.5	8.2	11.2	0. 32. 54.41			54.44	38.23	43.79	43.83	0. 33. 38.27
	24	20 Ceti.....	JS	16.1	18.4	21.0	25.8	28.4	31.0	38.2	40.7	43.3	45.6	0. 47. 30.97			31.10	14.95	43.85		0. 48. 14.93
	25	20 Ceti.....(E&E)	JS	25.5	40.3	55.2	10.0	24.6	39.3	54.0	...	...	...	0. 47. 30.71			30.84	14.95	44.11		.....
	26	θ Ceti.....	JS	23.1	25.6	28.0	33.2	35.6	38.3	45.5	48.1	50.5	53.1	1. 18. 38.22			38.37	22.22	43.85		1. 19. 22.19
	27	Polaris.....	JS	15.2	20.5	25.4	38.1	43.6	49.6	3.6	9.2	13.6	23.7	1. 26. 0.04			52.56	37.18	44.62		.....
	28	δ Ceti.....	JS	43.7	46.2	48.7	53.7	56.2	58.7	6.0	8.5	10.8	13.4	2. 33. 58.71			58.83	42.71	43.88		2. 34. 42.65
	29	Groombridge 2283 S.P.....	JS	22.4	30.5	36.5	48.4	53.5	57.6	11.7	16.2	19.6	30.2	3. 5. 43.16			47.04	31.12	44.08		.....
	30	Polaris S.P.....	E	18.7	25.2	30.3	34.2	38.3	42.4	46.8	51.2	56.3	59.6	13. 25. 45.68	(- 0.50)		54.21	37.12	42.91	44.09	.....
	31	Arcturus.....	E	22.5	25.2	27.6	33.1	35.6	38.3	46.0	48.7	51.3	53.9	14. 10. 38.34	[+ 3.57]		38.44	22.39	43.95	[- 0.12]	14. 11. 22.46
Nov. 3	32	$\odot$ 2 L.....	E	4.1	6.6	9.2	14.3	16.8	19.3	26.8	29.5	32.1	34.5	14. 31. 19.44			19.64				14. 30. 56.61
	33	Polaris.....	E	17.7	24.9	29.6	53.7	59.3	10.6	15.5	21.7	37.7	43.4	1. 26. 2.29			54.08	37.06	42.98	43.97	.....
	34	ν Piscium.....	E	36.2	38.7	40.9	46.2	48.5	51.2	58.3	0.8	3.3	5.8	1. 35. 51.11			51.26	35.21	43.95		1. 36. 35.22
	35	α Piscium.....	E	29.4	31.7	34.4	39.4	42.0	44.7	51.7	54.3	56.8	59.3	1. 39. 44.49			44.62	28.69	44.07		1. 40. 28.58
	36	α Arietis.....	E	55.4	58.0	0.7	6.3	8.8	11.6	19.4	22.1	24.8	27.3	2. 1. 11.56			11.65	55.63	43.98		2. 1. 55.61
	37	ξ^1 Ceti.....	E	4.8	7.3	9.8	14.7	17.3	19.8	27.2	29.6	32.2	34.7	2. 7. 19.86			20.00	3.98	43.98		2. 8. 3.96
	38	ϵ Arietis.....	E	53.4	56.0	58.7	4.0	6.7	9.3	17.0	19.6	22.4	25.1	2. 53. 9.34			9.44	53.38	43.94		2. 53. 53.40
	39	α Ceti.....	E	25.7	28.3	30.8	35.6	38.2	40.7	48.2	50.5	53.0	55.5	2. 56. 40.77			40.92	24.85	43.93		2. 57. 24.88
	40	δ^2 Tauri.....	E	44.2	46.5	49.0	54.5	57.1	59.6	7.2	9.7	12.4	15.1	4. 17. 59.65			59.76				4. 18. 43.71
	41	75 Tauri.....	E	7.3	9.7	12.4	17.6	20.4	23.0	30.5	33.2	35.8	38.4	4. 22. 22.95			23.06				4. 23. 7.01
Nov. 5	42	$\odot$ 1 L.....	SE	43.7	46.3	48.8	53.9	56.8	59.2	6.8	9.4	12.0	14.3	14. 36. 59.24	(- 0.43)		6.61			43.90	14. 38. 50.46
	43	$\odot$ 2 L.....	SE	58.2	0.8	3.2	8.3	11.2	13.6	21.3	23.6	26.3	28.7	14. 39. 13.64	[+ 2.85]					[- 0.08]	.....
	44	α Serpentis.....	SE	39.6	42.0	44.6	49.6	52.0	54.7	1.8	4.5	6.8	9.3	15. 38. 54.61			54.72	38.52	43.80		15. 39. 38.57
	45	Venus 1 L.....	SE	33.6	36.3	39.1	45.0	47.6	50.5	58.6	1.5	4.3	7.1	16. 48. 50.49			50.69				16. 49. 36.45
	46	μ Herculis.....	SE	...	...	...	...	...	0.2	3.0	11.2	14.1	16.7	17.42. 3.01			3.07	46.88	43.81		17. 42. 46.91
	47	α Lyrae.....	SE	42.7	45.6	48.8	55.3	58.5	1.6	10.8	14.2	17.3	20.4	18. 33. 1.66			1.68	45.48	43.80		18. 33. 45.52
	48	ζ Aquilæ.....d	SE	7.1	9.3	12.1	17.2	19.6	22.4	...	...	...	...	19. 0. 22.31			22.41	6.25	43.84		19. 1. 6.25
	49	ζ Aquilæ.....r	SE	...	...	...	...	...	...	29.7	32.4	35.0	37.3	19. 0. 22.35			22.45	6.25	43.80		19. 1. 6.29

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 2, 14 and 25, - 120^s.69; - 123^s.01; and - 39^s.21.
Correction for passage of Semidiameter, No. 32 and 45, - 67^s.05; + 1^s.92.

5. Observed over wire T with the transit-micrometer set to readings 37^s.534, 37^s.482, 37^s.455, 37^s.332, 37^s.285, 37^s.248, 37^s.153, 37^s.108, 37^s.092, 37^s.050.
16. Observed over wire T with the transit-micrometer set to readings 36^s.816, 36^s.894, 37^s.065, 37^s.501, 37^s.624, 37^s.727, 38^s.062, 38^s.155, 38^s.277, 38^s.494.
22. Observed over wire T with the transit-micrometer set to readings 34^s.604, 34^s.727, 34^s.855, 35^s.197, 35^s.304, 35^s.391, 35^s.676, 35^s.804, 35^s.960, 36^s.090.
27. Observed over wire T with the transit-micrometer set to readings 34^s.613, 34^s.641, 34^s.698, 34^s.808, 34^s.853, 34^s.890, 35^s.026, 35^s.067, 35^s.095, 35^s.197.
Nov. 24 6^h. Clock Hardy stopped.
29. Observed over wire T with the transit-micrometer set to readings 37^s.396, 37^s.247, 37^s.116, 36^s.926, 36^s.852, 36^s.778, 36^s.515, 36^s.467, 36^s.403, 36^s.223.
30. Observed over wire T with the transit-micrometer set to readings 38^s.230, 38^s.200, 38^s.171, 38^s.140, 38^s.092, 38^s.060, 38^s.008, 37^s.975, 37^s.920, 37^s.885.
33. Observed over wire T with the transit-micrometer set to readings 36^s.640, 36^s.709, 36^s.721, 36^s.949, 37^s.000, 37^s.066, 37^s.120, 37^s.191, 37^s.306, 37^s.341.
41. Very faint; cloudy.

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire. h m s	Error of Collimation. (Level). (Azimuth).		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation. h m s
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		"						
				s	s	s	s	s	s	s	s	s	s								
Nov. 5	1	γ Aquilæ.....	HA	49.6	52.2	54.7	59.6	2.3	4.9	12.3	14.8	17.2	19.7	19.41. 4.85	0.00		4.96	48.59	43.63	43.68	.....
	2	α Aquilæ.....	HA	14.3	16.7	19.2	24.3	26.8	29.3	36.6	39.3	41.6	44.1	19.45. 29.34	(- 0.43)		29.45	13.03	43.58	[- 0.08]	.....
	3	ζ Cygni.....	SE	56.7	59.6	2.4	8.2	11.1	13.7	22.1	25.2	27.7	30.6	21. 8. 13.86	[+ 2.85]		13.91	57.70	43.79	43.90	21. 8. 57.74
	4	ζ Pegasi.....	SE	49.3	52.0	54.6	59.7	2.3	4.8	11.9	14.6	17.2	19.6	22. 36. 4.72			4.83	48.63	43.80		22. 36. 48.65
	5	Saturn 1 L.....	SE	2.0	4.6	6.9	12.0	14.3	17.0	24.4	26.9	29.4	31.8	22.42. 17.05			17.20				22.43. 1.64
	6	Bradley 1672 S.P.....	SE	49.2	59.2	9.7	31.3	44.3	55.2	20.6	28.4	36.3	45.5	0.12. 53.02			57.66	42.14	44.48	43.82	.....
	7	β Ceti.....	SE	55.0	57.7	0.3	5.9	8.0	10.8	18.3	21.2	23.6	26.2	0.38. 10.82			11.00	54.95	43.95		0.38. 54.82
	8	β Andromedæ.....	SE	29.3	32.3	35.2	41.6	44.7	47.6	56.2	59.3	2.3	5.1	1. 3.47.50			47.54	31.36	43.82		1. 4. 31.36
	9	Polaris.....	SE	10.8	20.9	31.2	51.7	1.4	7.7	29.3	37.3	45.7	58.2	1.25. 59.83			53.19	36.72	43.53		.....
	10	ξ^1 Ceti.....	SE	5.0	7.5	10.1	15.2	17.6	20.1	27.3	29.9	32.6	34.8	2. 7.20.13			20.24	3.99	43.75		2. 8. 4.05
	11	ϵ Arietis.....	SE	53.6	56.3	58.8	4.3	7.0	9.6	17.3	19.9	22.7	25.1	2.53. 9.58			9.66	53.41	43.75		2.53. 53.47
	12	α Ceti.....	SE	26.0	28.3	30.9	35.8	38.2	40.9	48.2	50.5	53.2	55.6	2.56. 40.88			41.00	24.87	43.87		2.57. 24.81
	13	γ^1 Eridani.....	SE	42.0	44.4	47.0	52.2	54.7	57.4	4.8	7.4	10.0	12.4	3.52. 57.35			57.51	41.36	43.85		3.53. 41.32
	14	κ Orionis.....	JS	21.9	24.4	26.8	31.9	34.4	36.9	44.0	46.7	49.3	51.6	5.42. 36.91			37.06	20.41	43.35	43.54	.....
	15	χ^4 Orionis.....	JS	23.6	26.2	28.7	34.2	36.7	39.5	47.2	49.7	52.5	55.2	5.57. 39.47			39.55				5.58. 23.07
	16	δ Ursæ Minoris S.P.....	JS	37.6	48.4	53.5	9.7	15.8	22.2	37.5	42.4	47.4	57.6	6. 1.24.31			26.82	10.17	43.35		.....
	17	η Geminorum.....	JS	15.3	17.9	20.7	26.1	28.7	31.6	39.4	42.1	44.5	47.3	6. 8.31.48			31.55	15.11	43.56		.....
	18	Mösting A.....	JS	4.7	7.5	10.2	15.5	18.2	21.0	28.9	31.6	34.5	37.0	6.28. 21.03			21.11				6.29. 2.78
	19	δ 2 L.....	JS	8.4	11.2	13.7	19.3	22.0	24.8	32.6	35.4	38.1	40.8	6.29. 24.75			24.83				6.29. 2.78
	20	ϵ Geminorum.....	JS	4.4	6.8	9.6	14.7	17.2	19.7	27.2	29.6	32.2	34.8	6.39. 19.74			19.84	3.40	43.56		.....
	21	δ Geminorum.....	JS	57.9	0.8	3.3	8.7	11.4	13.9	21.8	24.5	27.2	29.9	6.45. 14.06			14.14				6.45. 57.66
	22	Jupiter 1 L.....	JS	40.8	...	46.2	...	...	57.0	...	7.6	...	12.9	6.46. 57.00			58.68				6.47. 42.20
	23	Jupiter 2 L.....	JS	43.8	...	49.4	...	...	0.3	...	10.8	...	16.2	6.47. 0.22							
	24	ζ Geminorum.....	JS	35.1	37.6	40.3	45.6	48.3	51.0	58.7	1.5	4.0	6.3	6.57. 50.96			51.04	34.65	43.61		.....
Nov. 7	25	θ Capricorni.....	B	42.3	44.7	47.3	52.6	55.2	57.7	5.3	7.9	10.4	13.1	20.59. 57.77			57.94	41.59	43.65	43.73	.....
	26	ζ Cygni.....	B	56.7	59.6	2.4	8.3	11.1	14.0	22.3	25.2	28.0	30.7	21. 8. 13.96			14.01	57.66	43.65	[- 0.10]	.....
	27	α Equulei.....	B	10.5	12.8	15.4	20.4	22.9	25.5	32.7	35.3	37.6	40.2	21.10. 25.45			25.57	9.20	43.63		.....
Nov. 9	28	Spica.....	JS	16.6	19.2	21.5	26.8	29.3	31.6	39.2	41.6	44.3	46.7	13.19. 31.80			31.96	15.02	43.06	43.10	.....
	29	Polaris S.P.....	JS	19.7	24.6	29.7	39.7	44.2	48.7	0.3	18.3	...	...	13.25. 45.13			52.03	35.20	43.17		.....
	30	ϵ^2 Bootis.....	JS	...	...	...	4.1	6.8	9.7	17.7	20.7	23.4	26.3	14.40. 9.69			9.75	52.77	43.02		.....
Nov. 10	31	σ Aquarii.....	S	44.1	46.4	49.0	53.9	56.5	59.2	6.4	9.0	11.6	14.1	22.24. 59.14			59.30	42.46	43.16	43.30	.....
	32	η Aquarii.....	S	35.5	37.7	40.3	45.4	47.6	50.2	57.4	0.1	2.6	5.2	22.30. 50.32			50.45	33.69	43.24		.....
	33	α Pegasi.....	S	8.3	10.8	13.3	18.5	21.0	23.6	31.2	33.7	36.3	38.8	22.59. 23.67			23.76	6.98	43.22		.....
	34	Groombridge 3548 S.P.....	E	37.1	44.9	50.3	13.3	18.6	37.4	42.0	46.3	7.2	13.2	9.17. 37.99			40.53	23.62	43.09	43.31	.....
	35	α Leonis.....	E	11.2	13.6	16.3	21.3	23.6	26.3	33.5	36.1	38.6	41.2	9.35. 26.29			26.40	9.73	43.33		.....
	36	ϵ Leonis.....	E	33.3	35.6	38.4	43.6	46.7	49.5	57.4	0.1	2.7	5.6	9.39. 49.41			49.48	32.70	43.22		.....
	37	γ^1 Leonis.....	E	49.6	52.3	55.1	0.4	3.0	5.7	13.4	16.1	18.6	21.3	10.14. 5.67			5.75	48.93	43.18		.....
	38	μ Hydræ.....	E	35.1	37.6	40.1	45.3	47.7	50.4	58.0	0.6	3.2	5.9	10.20. 50.51			50.68	33.95	43.27		.....
	39	α^5 Leonis.....	E	44.0	46.6	48.9	54.3	56.5	59.1	6.4	9.0	11.5	14.2	10.21. 59.17			59.28				10.22. 42.55
	40	ρ Leonis.....	E	54.5	57.2	59.6	4.6	7.2	9.7	17.0	19.5	22.0	24.5	10.27. 9.70			9.81	53.09	43.28		.....
	41	δ 2 L.....	E	39.2	41.7	44.3	49.6	52.2	54.7	2.1	4.8	7.4	10.1	10.52. 54.73			54.84				10.52. 32.17
	42	δ Leonis.....	E	8.1	10.8	13.5	18.8	21.5	24.3	32.1	34.6	37.3	39.9	11. 8.24.21			24.29	7.65	43.36		.....
Nov. 11	43	$\odot$ 1 L.....	C	45.1	47.5	50.3	55.7	58.4	1.2	8.4	11.3	13.6	16.2	15. 1. 0.89							.....
	44	$\odot$ 2 L.....	C	...	...	...	...	...	16.8	24.7	27.2	29.6	32.2	15. 3.16.92							.....
Nov. 12	45	η Aquarii.....	RC	35.4	37.8	40.4	45.4	48.0	50.4	57.7	0.2	2.7	5.1	22.29. 50.43	+ 0.14		50.56	33.67	43.11	43.13	.....
	46	Bradley 3147.....	RC	19.2	26.3	32.8	44.9	49.8	55.6	8.2	14.4	19.7	35.3	23.27. 24.36	(+ 0.05)		23.08	5.81	42.73	[- 0.04]	.....
	47	Groombridge 1852 S.P.R.	RC	34.8	46.1	57.0	8.6	...	...	...	...	...	...	23.59. 41.82	[+ 2.17]		42.31				12. 0.25.40

Corrections for passage of Semidiameter, Nos. 5, 19 and 41, +0.62: -65.58: and -65.94.

6. Observed over wire T with the transit-micrometer set to readings 32.7281, 32.7139, 32.7011, 31.7727, 31.7553, 31.7429, 31.7091, 30.7985, 30.7889, 30.7782.
 9. Observed over wire T with the transit-micrometer set to readings 37.7113, 37.7172, 37.7263, 37.7466, 37.7520, 37.7582, 37.7783, 37.7831, 37.7904, 38.0008. 14. Very diffused.
 16. Observed over wire T with the transit-micrometer set to readings 37.7153, 36.7850, 36.7709, 36.7392, 36.7207, 36.7045, 35.687, 35.548, 35.429, 35.198.
 18. Reduction to D's centre at time of transit of Crater - 1.79. A further correction of -0.06 has been applied to reduce to time of transit of D's centre on true meridian.
 18, 19. Foggy.
 22. A correction of -0.02 for defect of illumination has been applied in forming the concluded transit.
 22, 23. Limbs diffused; foggy.
 29. Observed over wire T with the transit-micrometer set to readings 37.731, 37.7691, 37.7654, 37.7557, 37.7534, 37.7482, 37.7377, 37.7237.
 33. Cloudy and diffused.
 34. Observed over wire T with the transit-micrometer set to readings 33.7208, 33.7027, 32.879, 32.7332, 32.7192, 31.7740, 31.7629, 31.7540, 31.7050, 30.7896.
 43, 44. Kept for diameter only.
 46. Observed over wire T with the transit-micrometer set to readings 34.7510, 34.7680, 34.7838, 35.7110, 35.7226, 35.7348, 35.7640, 35.7770, 35.7900, 36.7237.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. of Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
Nov. 12	1	Bradley 1634 S.P....R.	RC	49.2	1.0	12.8	25.5	...	...	...	...	...	...	0. 7. 0.22	+ 0.14		0.73			43.09	12. 7. 43.82
	2	Bradley 1634 S.P.	RC	...	...	...	...	0.1	13.3	24.9	49.7	1.4	13.1	0. 7. 0.77	(+ 0.05)		1.26			[- 0.04]	12. 7. 44.35
	3	Bradley 1672 S.P.	RC	41.2	49.1	53.6	7.0	13.3	18.4	30.8	37.3	43.5	58.7	0. 13. 0.68	(+ 2.17)		3.30	45.60	42.30		0. 30. 27.14
	4	13 Ceti.....R.	RC	29.1	31.4	33.6	38.9	41.3	43.7	51.2	53.7	56.2	58.8	0. 29. 43.91			44.05				.....
	5	Polaris	RC	8.0	14.9	20.6	32.2	36.8	43.3	54.3	1.2	6.1	16.2	1. 25. 54.50			50.86	34.11	43.25		.....
	6	ν Piscium.....	RC	37.3	39.5	42.0	47.2	49.5	52.0	59.3	1.7	4.2	6.6	1. 35. 52.05			52.16	35.22	43.06		.....
Nov. 14	7	ε Arietis	JS	54.6	57.4	59.9	5.3	8.1	10.7	18.3	21.0	23.7	26.3	2. 52. 10.65			10.75	53.49	42.74	42.77	.....
	8	δ Arietis	JS	19.7	22.4	25.0	30.2	33.0	35.6	43.3	45.8	48.6	51.3	3. 5. 35.61			35.71	18.49	42.78	[- 0.03]	.....
	9	Groombridge 2283 S.P..	JS	47.7	53.0	56.6	10.3	14.6	19.7	40.1	44.2	50.5	59.6	3. 5. 45.18			47.16	30.06	42.90		.....
	10	τ ¹ Arietis	JS	52.4	55.2	57.6	3.2	5.8	8.6	16.2	18.7	21.4	24.1	3. 15. 8.44			8.54	51.32	42.78		.....
Nov. 22	11	μ Herculis	RC	47.4	50.2	52.9	58.7	1.5	4.3	12.5	15.4	18.2	20.9	17. 42. 4.25	(- 2.70)		4.10	46.73	42.63	42.68	.....
	12	η Serpentis.....	JS	30.0	32.6	35.0	40.0	42.6	45.2	52.3	54.8	57.4	59.8	18. 15. 45.01	(+ 2.83)		45.02	27.43	42.41	42.47	18. 16. 27.47
	13	α Lyræ	JS	43.7	47.1	50.3	56.8	59.7	3.1	12.4	15.6	18.8	21.9	18. 33. 2.99			2.76	45.21	42.45		18. 33. 45.21
	14	β ¹ Lyræ	JS	36.6	39.5	42.5	48.6	51.5	54.4	3.3	6.3	9.2	12.2	18. 45. 54.46			54.28	36.70	42.42		18. 46. 36.73
	15	γ Aquilæ	JS	50.7	53.4	55.7	1.0	3.4	6.0	13.4	15.8	18.5	21.0	19. 41. 5.93			5.88	48.37	42.49		19. 41. 48.33
	16	α Aquilæ	JS	15.3	17.7	20.3	25.5	27.8	30.3	37.7	40.3	42.8	45.3	19. 45. 30.34			30.30	12.82	42.52		19. 46. 12.75
	17	θ Aquilæ	RC	30.8	33.4	35.8	41.0	43.4	45.6	53.2	55.6	58.2	0.5	20. 5. 45.79			45.79	28.48	42.69	42.68	.....
	18	α ² Capricorni	HA	53.7	56.4	59.0	4.2	6.7	9.3	16.8	19.3	21.8	24.3	20. 12. 9.19			9.25	51.68	42.43	42.45	.....
	19	β Capricorni	HA	47.3	49.7	52.4	57.5	0.2	2.7	10.3	12.8	15.5	18.0	20. 15. 2.68			2.75	45.16	42.41		.....
	20	16 Pegasi	JS	49.7	52.6	55.4	1.1	3.6	6.4	14.5	17.3	20.0	22.8	21. 48. 6.39			6.26	48.71	42.45	42.47	21. 48. 48.70
	21	δ ¹ L.	JS	42.5	45.3	47.7	53.3	55.7	58.4	6.3	8.9	11.6	14.2	21. 53. 58.43			58.50				21. 55. 48.55
	22	σ Aquarii	JS	44.7	47.3	49.6	54.9	57.4	59.7	7.4	9.7	12.3	14.9	22. 24. 59.83			59.88	42.31	42.43		22. 25. 42.32
	23	Saturn 1 L.	JS	10.4	...	15.4	...	...	25.6	...	35.6	...	40.6	22. 42. 25.59			26.14				22. 43. 8.58
	24	Saturn 2 L.	JS	...	13.9	...	21.6	24.1	...	34.1	...	39.2	...	22. 42. 26.59							.....
	25	Bradley 3147	JS	8.2	16.6	25.0	34.2	43.1	...	...	...	...	...	23. 27. 25.42			20.09	2.49	42.40		.....
	26	Bradley 1672 S.P.	JS	28.7	35.7	42.6	49.7	57.4	6.4	14.3	22.0	30.2	...	0. 12. 58.56			8.24	50.67	42.43	42.44	.....
	27	12 Ceti.....	JS	19.6	22.3	24.7	29.6	32.4	34.7	42.0	44.6	47.1	49.4	0. 24. 34.48			34.50	17.02	42.52		0. 25. 16.94
	28	20 Ceti.....	JS	17.6	20.0	22.5	27.6	30.0	32.5	39.8	42.3	44.9	47.4	0. 47. 32.50			32.51	14.86	42.35		0. 48. 14.95
	29	α Arietis	JS	57.2	59.8	2.7	8.2	10.8	13.4	21.4	24.1	26.8	29.5	2. 1. 13.43			13.31	55.66	42.35		2. 1. 55.75
	30	γ ¹ Eridani.....	JS	43.6	46.3	48.8	54.0	56.6	59.1	6.6	9.2	11.6	14.3	3. 52. 59.05			59.12	41.55	42.43		3. 53. 41.56
	31	τ Tauri	JS	41.2	43.7	46.5	52.1	54.8	57.4	5.6	8.1	10.7	13.4	4. 35. 57.39			57.27	39.69	42.42		4. 36. 39.70
Nov. 23	32	50 Aquarii	E	28.8	31.4	33.8	39.2	41.6	44.1	51.6	54.3	56.8	59.3	22. 18. 44.13			44.21			42.70	22. 19. 26.89
	33	σ Aquarii.....	E	44.4	46.8	49.4	54.6	57.1	59.6	7.1	9.5	12.2	14.7	22. 25. 59.58	(- 2.26)		59.65	42.29	42.64	[- 0.02]	.....
	34	ζ Pegasi	E	50.4	53.0	55.6	0.7	3.2	5.9	13.3	15.7	18.2	20.7	22. 36. 5.71	(+ 3.04)		5.69	48.39	42.70		.....
	35	δ ¹ L.	E	22.3	25.1	27.6	32.9	35.4	38.1	45.6	48.3	50.9	53.4	22. 47. 38.00			38.07				22. 49. 26.21
	36	α Pegasi.....	E	8.7	11.3	14.0	19.2	21.5	24.3	31.6	34.3	36.9	39.3	22. 59. 24.15			24.11	6.81	42.70		.....
	37	Bradley 3147	E	40.2	47.3	58.0	6.7	15.5	...	...	...	...	...	23. 27. 24.45			19.39	2.09	42.70		.....
Nov. 27	38	ε Delphini	E	46.7	49.3	51.6	56.9	59.4	1.9	9.3	12.0	14.3	16.9	20. 28. 1.87	(- 0.67)		1.88	44.43	42.55	42.59	.....
	39	α Delphini	E	19.4	21.9	24.6	29.7	32.3	34.9	42.5	45.2	47.6	50.3	20. 34. 34.88	(+ 2.68)		34.87	17.42	42.55		.....
	40	ε Aquarii	E	38.8	41.3	43.7	49.2	51.4	54.0	1.4	3.9	6.5	9.0	20. 41. 53.96			54.03	36.65	42.62		.....
	41	μ Aquarii	E	38.7	41.2	43.6	48.8	51.3	53.7	1.2	3.6	6.3	8.8	20. 46. 53.76			53.83	36.44	42.61		.....
	42	θ Capricorni.....	E	43.0	45.5	48.2	53.4	56.1	58.8	...	...	...	...	20. 59. 58.64			58.73	41.31	42.58		.....
	43	θ Capricorni.....	E	...	...	...	...	...	...	6.6	9.3	11.6	14.3	20. 59. 58.85			58.94	41.31	42.37		.....
	44	ζ Cygni	E	57.7	0.6	3.5	9.2	12.1	15.0	...	...	...	...	21. 8. 14.92			14.86	57.30	42.44		.....
	45	ζ Cygni	E	...	...	...	...	...	...	23.3	26.1	28.9	31.6	21. 8. 14.73			14.67	57.30	42.63		.....
	46	Groombridge 3548	E	20.7	27.7	34.5	55.0	0.2	14.0	20.1	25.2	46.1	52.2	21. 17. 38.30			34.58	16.89	42.31		.....
	47	ζ Pegasi	B	50.5	53.2	55.6	0.9	3.3	5.9	13.3	15.8	18.3	20.9	22. 36. 5.81			5.82	48.34	42.52	42.53	.....
	48	Saturn 1 L.	E	34.0	36.7	39.2	44.2	46.8	49.3	56.8	59.2	1.6	4.3	22. 42. 49.25			49.91			42.59	22. 43. 32.48
	49	Saturn 2 L.	E	35.3	37.9	40.3	45.4	48.0	50.4	57.9	0.4	2.9	5.4	22. 42. 50.43							.....
	50	μ Pegasi	B	31.2	33.7	36.5	42.2	44.8	47.6	55.6	58.2	1.0	3.6	22. 44. 47.48			47.45	29.94	42.49	42.53	.....

Corrections for passage of Semidiameter, Nos. 21 and 35, +67.61: and +65.46.

3. Observed over wire T with the transit-micrometer set to readings 36^r238, 36^r153, 36^r087, 35^r903, 35^r847, 35^r771, 35^r633, 35^r515, 35^r453, 35^r302.
5. Observed over wire T with the transit-micrometer set to readings 35^r095, 35^r160, 35^r222, 35^r290, 35^r339, 35^r413, 35^r506, 35^r532, 35^r601, 35^r679.
9. Observed over wire T with the transit-micrometer set to readings 34^r943, 34^r871, 34^r786, 34^r556, 34^r477, 34^r407, 34^r022, 33^r970, 33^r846, 33^r689.
Nov. 21. All the wires renewed.
25. Observed over wire T with the transit-micrometer set to readings 35^r600, 35^r800, 36^r000, 36^r200, 36^r400.
26. Observed over wire T with the transit-micrometer set to readings 36^r400, 36^r300, 36^r200, 36^r100, 36^r000, 35^r900, 35^r800, 35^r700, 35^r600.
37. Observed over wire O with the transit-micrometer set to readings 35^r600, 35^r800, 36^r000, 36^r200, 36^r400.
46. Observed over wire T with the transit-micrometer set to readings 32^r739, 32^r918, 33^r070, 33^r561, 33^r677, 34^r006, 34^r150, 34^r265, 34^r785, 34^r903.

MONTH and DAY	No. for Reference	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at ^h Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	[Azimuth].					
				s	s	s	s	s	s	s	s	s	s		"	"					
Nov. 27	1	λ Aquarii	E	47°0	49°4	51°9	57°2	59°6	2°2	9°4	12°0	14°4	17°0	22.47. 2°05	- 0°67	2°11	44°64	42°53	42°59	.....	
	2	β Ceti	E	56°5	59°1	1°5	6°9	9°4	12°2	19°7	22°5	25°1	27°7	0.38. 12°10	(- 1°26)	12°20	54°78	42°58	42°57	.....	
	3	δ Piscium.....	E	53°3	55°8	58°3	3°5	6°0	8°5	15°7	18°3	20°8	23°3	0.43. 8°39	[+ 2°68]	8°41	50°94	42°53		.....	
	4	ζ ¹ Piscium.....	E	54°5	56°9	59°5	4°5	7°0	9°4	16°7	19°3	21°6	24°2	1. 8. 9°40		9°42	51°93	42°51		.....	
	5	ζ ¹ Piscium..... (E&E)	E	9°2	24°0	39°0	54°1	8°9	23°9	38°7	...	...	...	1. 8. 9°44		9°46	51°93	42°47		.....	
	6	Polaris	E	11°6	24°8	35°1	47°6	59°3	11°7	21°2	36°3	46°2	...	1.25. 54°18		43°57	26°96	43°39		.....	
	7	D 1 L	E	18°3	20°9	23°3	28°4	31°2	33°5	41°0	43°6	46°3	48°8	2. 1. 33°57		33°59				2. 3. 18°18	
	8	Mösting A	E	33°6	36°3	39°0	44°1	46°8	49°3	56°8	59°5	2°2	4°6	2. 2. 49°26		49°28				2. 3. 18°36	
Nov. 30	9	κ Piscium	JS	12°0	14°3	16°8	21°9	24°3	26°8	34°1	36°6	39°2	41°5	23.21. 26°79	(- 1°50)	26°82	8°96	42°14	42°19	.....	
	10	Bradley 3147.....	JS	4°2	8°5	12°7	17°6	22°0	26°1	30°3	34°5	39°4	...	23.27. 21°70	[+ 2°49]	17°72	59°63	41°91	[0°00]	.....	
	11	ι Piscium	JS	11°8	14°6	17°0	22°2	24°6	27°0	34°3	36°9	39°3	41°7	23.34. 26°98		26°99	9°17	42°18		.....	
	12	α Andromedæ	JS	35°2	38°0	40°9	46°7	49°4	52°3	0°3	3°4	6°4	9°1	0. 2. 52°22		52°14	34°24	42°10		.....	
	13	Polaris	JS	5°4	15°4	29°4	44°3	54°2	6°7	16°6	27°0	40°5	...	1.25. 53°28		42°41	25°30	42°89		.....	
	14	ο Piscium.....	JS	...	33°7	36°3	41°6	44°0	46°4	53°7	56°3	58°9	...	1.39. 46°40		46°39	28°65	42°26		.....	
	15	τ ¹ Arietis	JS	53°4	56°0	58°7	4°0	6°6	9°2	17°2	19°7	22°4	25°2	3.15. 9°28		9°23	51°43	42°20		.....	
	16	Piazzi III. 249	JS	42°0	44°7	47°2	52°8	55°3	57°6	5°5	8°1	10°7	13°3	4. 1. 57°76		57°73				4. 2. 39°92	
	17	D 1 L	JS	40°5	43°2	45°7	51°4	54°0	56°6	4°6	7°1	9°6	12°4	4.26. 56°54		0°39				4. 28. 42°58	
	18	D 2 L	JS	48°3	50°9	53°6	59°2	1°6	4°3	12°1	14°8	17°5	20°2	4.29. 4°29		17°84				4. 52. 0°03	
	19	Bradley 686	JS	...	4°9	7°4	12°6	15°4	17°9	25°5	28°1	30°9	...	4.51. 17°87		6°85				4. 54. 49°04	
	20	Ceres	JS	51°0	53°7	56°2	1°6	4°4	7°0	14°7	17°2	20°0	22°7	4.54. 6°89		22°05	4°29	42°24		.....	
	21	Rigel	JS	6°9	9°5	12°0	17°1	19°4	22°0	29°5	32°0	34°3	37°0	5. 9. 22°01		59°92	42°47	42°55	[- 0°02]	15. 30. 42°52	
	22	α Coronæ	E	43°2	46°1	48°7	54°3	57°2	59°9	8°3	11°0	13°7	16°5	15.29. 59°94	(- 0°37)						
														[+ 1°54]							
Dec. 1	23	⊙ 1 L	E	26°0	28°5	31°3	37°0	39°4	42°1	49°8	52°6	55°3	58°2	16.24. 42°06						16.26. 34°90	
	24	⊙ 2 L	E	46°2	49°0	51°7	57°2	59°7	2°5	10°3	13°1	15°7	18°6	16.27. 2°44							
	25	θ Capricorni	HA	43°4	46°0	48°5	54°0	56°3	59°2	6°9	9°3	12°0	14°5	20.59. 59°05		59°10	41°27	42°17	42°19	.....	
	26	ζ Cygni	HA	57°8	0°8	3°7	9°6	12°3	15°1	23°7	26°3	29°2	32°0	21. 8. 15°10		15°07	57°24	42°17		.....	
	27	μ Pegasi	E	31°0	33°8	36°3	42°0	44°6	47°3	55°3	58°1	0°8	3°6	22.44. 47°32		47°30	29°88	42°58	42°61	22.45. 29°89	
	28	λ Aquarii.....	E	47°0	49°4	52°0	57°2	59°7	2°1	9°6	11°9	14°3	17°0	22.47. 2°06		2°09	44°59	42°50		22.47. 44°68	
	29	Bradley 3147	E	1°4	10°0	19°7	28°0	36°9	...	...	...	...	...	23.27. 19°20		16°98	59°28	42°30		.....	
	30	Bradley 1672 S.P.	E	36°9	44°9	50°3	58°8	6°8	14°3	22°3	28°7	36°7	43°6	0.13. 10°33		14°50	55°92	41°42	42°59	.....	
	31	δ Piscium	E	53°3	55°8	58°3	3°4	6°0	8°4	15°7	18°3	20°5	23°2	0.43. 8°33		8°34	50°90	42°56		0.43. 50°93	
	32	α Ceti	E	17°3	19°8	22°2	27°2	29°8	32°3	39°6	42°0	44°4	47°0	0.47. 32°20		32°23	14°79	42°56		0.48. 14°82	
	33	Polaris	E	23°2	28°5	34°2	52°8	57°5	11°8	17°7	23°6	41°7	47°9	1.25. 49°39		43°29	24°73	41°44		.....	
	34	ο Piscium.....	E	31°0	33°5	36°0	41°0	43°7	46°1	53°3	56°0	58°4	1°0	1.39. 46°04		46°05	28°65	42°60		1.40. 28°64	
	35	γ ¹ Eridani.....	E	43°6	46°2	48°7	53°8	56°3	58°9	6°5	9°0	11°4	14°1	3.52. 58°89		58°93	41°61	42°68		3.53. 41°52	
	36	γ ¹ Eridani..... (E&E)	E	58°5	13°3	28°9	44°0	59°3	14°6	29°7	...	...	...	3.52. 58°93		58°97	41°61	42°64		.....	
	37	Α ¹ Tauri	E	13°2	15°8	18°5	23°9	26°7	29°2	37°2	39°7	42°3	45°1	3.58. 29°20		29°19	11°83	42°64		3.59. 11°78	
	38	Α ¹ Tauri..... (E&E)	E	26°9	42°2	58°3	14°4	30°3	46°1	2°1	...	...	...	3.58. 29°19		29°18	11°83	42°64		.....	
	39	ι Aurigæ	E	55°8	58°8	1°7	7°8	10°7	13°7	22°2	25°6	28°3	31°7	4.50. 13°68		13°65	56°28	42°63		4.50. 56°24	
	40	Bradley 686	E	1°8	4°4	7°0	12°3	14°8	17°4	25°2	27°8	30°3	33°0	4.51. 17°44		17°43				4.52. 0°02	
	41	Ceres	E	50°0	52°8	55°4	0°8	3°5	6°2	14°0	16°7	19°3	21°8	4.53. 6°09		6°08				4.53. 48°67	
	42	Mayer 198	E	4°7	7°3	10°0	15°3	18°0	20°5	28°3	31°0	33°7	36°3	4.59. 20°55		20°54				5. 0. 3°13	
	43	D 2 L	E	39°3	42°0	44°7	50°3	52°8	55°5	3°3	6°1	9°0	11°7	5.19. 55°51		55°50				5.19. 33°33	
													- 0°12						42°47		
Dec. 3	44	α Aquilæ	W	15°2	17°7	20°2	25°3	27°8	30°2	37°7	40°3	42°6	45°2	19.45. 30°26	(- 0°95)	30°32	12°72	42°40	[- 0°08]	.....	
	45	μ Geminorum	JS	21°7	24°3	27°2	32°6	35°3	38°0	45°9	48°7	51°3	54°0	6.16. 37°94	[+ 2°42]	37°96	20°03	42°07	42°12	.....	
	46	ν Geminorum	JS	28°3	31°0	33°8	39°2	41°8	44°3	52°0	54°7	57°4	0°0	6.22. 44°29		44°31	26°44	42°13		.....	
	47	D 2 L	JS	8°8	...	...	...	...	...	33°3	36°1	38°8	41°7	7. 4. 25°31		25°33				7. 4. 1°73	
Dec. 4	48	σ Arietis	WB	23°8	26°3	28°8	34°2	36°8	39°3	46°8	49°3	52°0	55°4	2.45. 39°31	(- 1°48)	39°32	21°38	42°06	42°19	.....	
	49	ε Arietis	WB	55°3	57°8	0°4	6°2	8°6	11°3	19°2	21°7	24°4	27°2	2.53. 11°25		11°24	53°56	42°32	[- 0°04]	.....	
	50	α Ceti	PM	27°7	30°2	32°5	37°8	40°3	42°6	50°0	52°4	55°0	57°5	2.56. 42°64		42°68	25°02	42°34	42°34	.....	

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 5, 36, and 38, - 104°60: - 105°18: and - 105°18.
 Corrections for passage of Semidiameter, Nos. 7, 43, and 47, + 62°02: - 64°76: and - 65°70.

6. Observed over wire R with the transit-micrometer set to readings 35°600, 35°700, 35°800, 35°900, 36°000, 36°100, 36°200, 36°300, 36°400.
 7, 8. Through cloud.
 8. Reduction to D's centre at time of transit of Crater, - 13°05. A further correction of - 0°44 has been applied to reduce to time of transit of D's centre on true meridian.
 10. Observed over wire T with the transit-micrometer set to readings 35°600, 35°700, 35°800, 35°900, 36°000, 36°100, 36°200, 36°300, 36°400.
 13. Observed over wire T with the transit-micrometer set to readings 35°600, 35°700, 35°800, 35°900, 36°000, 36°100, 36°200, 36°300, 36°400.
 17. A correction of - 0°01 for defect of illumination has been applied in forming the concluded transit.
 29. Observed over wire T with the transit-micrometer set to readings 35°600, 35°800, 36°000, 36°200, 36°400.
 30. Observed over wire T with the transit-micrometer set to readings 35°350, 35°650, 35°750, 35°850, 35°950, 36°050, 36°150, 36°250, 36°350, 36°450.
 33. Observed over wire T with the transit-micrometer set to readings 34°275, 34°312, 34°341, 34°355, 34°354, 34°385, 34°420, 34°479, 34°528, 34°566.
 47. Faint; cloudy.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GQANM...

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation.		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.		
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		[Level].						[Azimuth].		
				s	s	s	s	s	s	s	s	s	s		h	m						s	
Dec. 5	1	ω Piscium.....	B	33.8	36.3	38.8	43.9	46.4	48.8	56.3	58.8	1.4	3.8	23. 53. 48.87	- 0.12 (- 0.73)		48.98	31.34	42.36	+ 42.32 0.04	.....		
	2	α Andromedæ.....	B	34.8	37.6	40.4	46.2	49.0	51.8	0.0	3.0	6.0	8.5	0. 2. 51.78	[+ 3.30]		51.82	34.18	42.36	42.36	.....		
	3	20 Ceti.....	SE	17.5	19.9	22.3	27.4	29.9	32.4	39.7	42.3	44.6	47.0	0. 47. 32.34			32.48	14.76	42.28	42.25	.....		
	4	μ Andromedæ.....	SE	34.0	37.0	40.3	46.6	49.8	52.7	2.2	5.3	8.3	11.3	0. 50. 52.80			52.80	35.09	42.29		.....		
	5	ξ ¹ Piscium.....	SE	54.3	57.0	59.4	4.6	7.2	9.7	16.8	19.4	21.9	24.4	1. 8. 9.51			9.62	51.87	42.25		.....		
	6	Polaris.....	SE	57.7	7.3	15.0	34.3	42.5	51.0	11.0	34.3	40.9	56.3	1. 25. 48.44			39.73	21.98	42.25		.....		
	7	ξ ¹ Ceti.....	SE	...	9.1	11.7	16.9	19.3	21.7	29.1	31.7	34.0	...	2. 7. 21.72			21.83	4.00	42.17		.....		
	8	η Cancri.....	RC	21.0	23.8	26.3	31.8	34.3	37.0	44.7	47.4	50.0	52.8	8. 26. 36.95			37.02	19.46	42.44	42.41	.....		
	9	γ Cancri.....	RC	55.4	57.9	0.5	6.2	8.8	11.3	19.3	22.0	24.5	27.3	8. 37. 11.36			11.42	53.82	42.40		.....		
	10	Mösting A.....	RC	6.7	9.3	11.7	17.3	19.9	22.5	30.3	33.2	35.8	38.3	8. 48. 22.54			22.62				8. 49. 6.54		
	11	δ 2 L.....	RC	13.3	16.0	18.6	24.0	26.8	29.4	37.6	40.1	42.7	45.6	8. 49. 29.45			29.53				8. 49. 6.49		
	12	ε ² Bootis.....	S	54.0	56.7	59.6	5.3	8.0	10.7	19.0	21.9	24.5	27.3	14. 40. 10.75	+ 0.17		10.83	53.17	42.34	42.42	14. 40. 53.26		
	13	α Coronæ.....	S	43.5	46.2	49.0	54.7	57.4	0.1	8.3	11.1	14.0	16.8	15. 30. 0.16	[+ 2.55]		0.24	42.54	42.30	[+ 0.02]	15. 30. 42.68		
Dec. 6	14	⊙ 1 L.....	S	6.7	9.3	12.0	17.6	20.3	23.0	30.8	33.4	36.2	38.7	16. 46. 22.84			33.61				16. 48. 16.04		
	15	⊙ 2 L.....	S	27.8	30.6	33.3	38.8	41.3	44.0	52.0	54.7	57.4	0.0	16. 48. 44.03									
	16	Polaris.....	S	38.9	7.3	20.1	28.8	37.5	47.1	54.8	6.0	16.1	26.9	1. 25. 45.40			40.49	21.16	40.67	42.44	.....		
	17	ω Piscium.....	S	31.2	33.5	36.0	41.2	43.7	46.0	53.7	56.0	58.5	1.0	1. 39. 46.12			46.23	28.62	42.39		1. 40. 28.67		
	18	β Arietis.....	S	31.4	34.1	36.6	42.3	44.8	47.3	55.2	57.8	0.4	3.1	1. 48. 47.34			47.43	29.88	42.45		1. 49. 29.87		
	19	67 Ceti.....	S	23.0	25.5	28.0	33.2	35.5	37.9	45.4	47.9	50.3	52.9	2. 11. 38.00			38.14	20.51	42.37		2. 12. 20.58		
	20	ε Arietis.....	S	55.1	57.8	0.3	5.9	8.3	11.0	18.9	21.7	24.3	26.8	2. 53. 11.05			11.14	53.57	42.43		2. 53. 53.58		
	21	γ Tauri.....	S	...	34.7	37.3	42.5	45.0	47.7	55.2	57.8	0.4	...	4. 13. 47.61			47.71	30.11	42.40		4. 14. 30.15		
	22	Ceres.....	S	43.7	46.3	49.0	54.3	57.0	59.7	7.5	10.1	12.7	15.3	4. 47. 59.60			59.69				4. 48. 42.13		
	23	δ Orionis.....	S	17.8	20.3	22.9	28.0	30.4	32.8	40.2	42.6	45.1	47.8	5. 26. 32.83			32.96	15.51	42.55		5. 27. 15.40		
	24	δ Ursæ Minoris S.P.....	S	17.7	27.9	40.1	46.0	53.5	58.1	6.7	12.0	17.1	24.0	6. 1. 17.90			19.82	1.71	41.89		.....		
	25	μ Geminorum.....	S	21.3	24.0	26.7	32.2	34.8	37.4	45.4	48.1	50.7	53.7	6. 16. 37.47			37.56	20.10	42.54		6. 17. 20.01		
	26	γ Geminorum.....	S	22.0	24.8	27.3	32.6	35.2	37.7	45.4	48.0	50.5	53.0	6. 31. 37.69			37.79	20.41	42.62		6. 32. 20.24		
	27	Jupiter 1 L.....	S	7.3	...	12.7	18.0	...	23.4	31.6	...	37.0	...	6. 37. 23.49			25.40				6. 38. 7.85		
	28	Jupiter 2 L.....	S	11.0	...	16.3	21.6	...	27.0	35.4	...	40.5	43.1	6. 37. 27.13									
	29	α Coronæ.....	J	43.7	46.5	49.3	55.0	57.7	0.5	8.7	11.6	14.4	17.2	15. 30. 0.51	+ 0.64		0.61	42.56	41.95	41.95		15. 30. 42.54	
	30	α Serpentis.....	J	41.7	44.3	46.8	51.7	54.3	56.8	4.3	6.7	9.2	11.6	15. 38. 56.78	[+ 1.94]		56.89	38.82	41.93	[+ 0.03]	15. 39. 38.82		
Dec. 7	31	⊙ 1 L.....	J	29.0	31.6	34.3	39.8	42.7	45.3	53.2	56.0	58.6	1.3	16. 50. 45.22			55.94				16. 52. 37.87		
	32	⊙ 2 L.....	J	50.2	52.9	55.6	1.0	3.7	6.4	14.3	17.1	19.7	22.4	16. 53. 6.37									
	33	δ Ursæ Minoris.....	J	33.1	38.8	42.3	46.2	51.7	56.7	0.7	4.8	8.9	13.3	18. 1. 21.66			20.85	1.62	40.77		.....		
	34	β Aquilæ.....	J	45.5	48.2	50.3	55.6	58.1	0.6	8.2	10.6	13.0	15.5	19. 50. 0.60			0.71	42.64	41.93		19. 50. 42.64		
	35	θ Aquilæ.....	J	...	...	...	41.3	43.9	46.2	53.6	...	...	...	20. 5. 46.23			46.35	28.34	41.99		20. 6. 28.27		
	36	Bradley 3147.....	J	23.4	28.3	33.5	37.5	42.0	45.4	49.2	52.7	56.3	1.7	23. 27. 15.34			14.48	56.84	42.36		.....		
	37	ι Piscium.....	J	...	...	...	22.1	24.6	27.1	34.4	...	...	...	...	23. 34. 27.03			27.15	9.09	41.94		23. 35. 9.07	
	38	ω Piscium.....	J	34.4	36.8	39.3	44.5	47.0	49.4	56.8	59.3	1.6	4.3	23. 53. 49.38			49.49	31.32	41.83		23. 54. 31.41		
	39	α Andromedæ.....	HF	34.7	37.5	40.5	46.3	49.0	51.6	0.3	3.1	5.9	8.7	0. 2. 51.81			51.90	34.15	42.25	42.27	.....		
	40	γ Pegasi.....	HF	28.3	30.8	33.4	38.5	41.3	43.6	51.4	53.8	56.4	59.0	0. 7. 43.69			43.80	26.08	42.28		.....		
	41	12 Ceti.....	J	20.0	22.5	24.8	30.0	32.4	34.8	42.3	44.8	47.3	49.6	0. 24. 34.89			35.01	16.88	41.87	41.92	0. 25. 16.93		
	42	Polaris.....	J	25.1	29.9	33.4	49.1	52.6	56.1	59.2	2.7	7.2	11.7	1. 25. 39.20			36.66	20.30	43.64		.....		
	43	ν Piscium.....	J	38.3	40.7	43.3	48.2	50.8	53.3	0.6	3.0	5.6	8.0	1. 35. 53.22			53.34	35.13	41.79		1. 36. 35.26		
	44	o Tauri.....	J	...	53.7	56.3	1.5	3.9	6.5	13.7	16.5	18.8	...	3. 19. 6.39			6.50	48.50	42.00		3. 19. 48.42		
	45	Δ ¹ Tauri.....	J	13.7	16.3	19.2	24.3	27.2	29.8	37.6	40.4	43.3	45.8	3. 58. 29.80			29.90	11.88	41.98		3. 59. 11.82		
	46	μ Geminorum.....	J	21.8	24.6	27.3	33.0	35.4	38.1	46.0	48.8	51.5	54.3	6. 16. 38.12			38.22	20.12	41.90		6. 17. 20.13		
	47	δ 2 L.....	JS	26.3	29.2	31.6	37.0	39.5	42.0	49.7	52.2	54.8	57.6	10. 32. 42.03			42.14				10. 32. 19.09		
Dec. 9	48	ε Corvi.....	RC	20.7	23.2	26.0	31.5	34.2	36.7	44.7	47.4	50.0	52.7	12. 4. 36.75	+ 0.29		36.94	19.13	42.19	42.27	12. 5. 19.24		
	49	δ 2 L.....	RC	30.0	32.5	35.2	40.3	42.8	45.3	53.0	55.5	57.9	0.3	12. 15. 45.32	(+ 0.77)		45.49			[+ 0.05]	12. 15. 22.13		
	50	Bradley 1672.....	RC	46.2	54.5	0.1	14.2	18.2	22.0	35.3	39.1	44.8	58.3	12. 13. 20.49	[+ 2.22]		19.61	1.79	42.18		.....		

Corrections for passage of Semidiameter, Nos. 11, 47, and 49, - 65^h46' - 64^h97' and - 65^h67'.

6. Observed over wire T with the transit-micrometer set to readings 35^m07.4, 35^m12.4, 35^m21.5, 35^m37.6, 35^m44.5, 35^m51.9, 35^m68.6, 35^m88.0, 35^m94.3, 36^m07.6.
 10. Reduction to D's centre at time of transit of Crater + 1^m43. A further correction of + 0^m06 has been applied to reduce to time of transit of D's centre on true meridian.
 12. Unsteady.
 16. Observed over wire V with the transit-micrometer set to readings 36^m52.3, 36^m73.3, 36^m84.2, 36^m92.8, 36^m98.3, 37^m06.2, 37^m12.3, 37^m22.2, 37^m32.5, 37^m38.6, 17. Diffused.
 18, 48. Very diffused.
 24. Observed over wire T with the transit-micrometer set to readings 36^m00.0, 35^m77.9, 35^m45.7, 35^m32.1, 35^m16.0, 35^m02.7, 34^m80.8, 34^m71.5, 34^m58.3, 34^m42.7.
 27. A correction of - 0^m01 for defect of illumination has been applied in forming the concluded transit.
 33. Observed over wire T with the transit-micrometer set to readings 33^m38.8, 33^m50.8, 33^m62.3, 33^m71.3, 33^m86.7, 33^m95.3, 34^m06.2, 34^m16.7, 34^m28.3, 34^m36.2.
 36. Observed over wire T with the transit-micrometer set to readings 34^m86.9, 34^m92.9, 35^m05.3, 35^m13.7, 35^m24.8, 35^m31.7, 35^m39.2, 35^m47.0, 35^m56.7, 35^m69.0.
 42. Observed over wire T with the transit-micrometer set to readings 37^m38.6, 37^m44.0, 37^m48.0, 37^m57.1, 37^m62.2, 37^m64.9, 37^m69.3, 37^m72.7, 37^m75.8, 37^m76.9.
 44. Faint; foggy.
 47. Faint; cloudy. Correction to R.A. on true meridian + 0^m01.
 49. Correction to R.A. on true meridian, + 0^m01.
 50. Observed over wire T with the transit-micrometer set to readings 39^m34.7, 39^m46.7, 39^m53.2, 39^m68.9, 39^m76.0, 39^m86.1, 40^m00.8, 40^m03.0, 40^m09.8, 40^m27.8.
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MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at oh Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation. (Level).	[Azimuth]					
s	s	s	s	s	s	s	s	s	s	h m s	"	s	s	s	s	h m s					
Dec. 9	1	δ ² Corvi.....	RC	3.6	6.3	8.8	14.2	16.8	19.3	27.0	29.4	32.1	34.4	12. 24. 19.23	+ 0.29	19.41	1.59	42.18	42.27	12. 25. 1.71	
	2	γ ¹ Virginis.....	RC	57.8	0.4	2.8	...	...	...	...	22.5	25.2	27.4	12. 36. 12.76	(+ 0.77)	12.93			[+ 0.05]	12. 36. 55.23	
	3	γ ² Virginis.....	RC	...	...	...	8.1	10.7	13.1	20.3	...	...	...	12. 36. 13.03	(+ 2.22)	13.20				12. 36. 55.50	
	4	31 Comæ.....	RC	9.0	11.9	14.5	20.2	23.2	26.0	34.3	37.2	39.9	42.8	12. 46. 25.95		26.09	8.33	42.24		12. 47. 8.39	
	5	38 Virginis.....	RC	26.3	29.0	31.4	36.3	39.0	41.4	48.7	51.3	53.6	56.2	12. 47. 41.36		41.53				12. 48. 23.83	
Dec. 10	6	⊙ 1 L.....	RC	37.5	40.1	43.0	48.2	51.1	53.9	1.7	4.3	7.2	9.7	17. 3. 53.71	+ 0.60	} 4.61					17. 5. 46.92
	7	⊙ 2 L.....	RC	59.1	1.9	4.7	9.9	12.7	15.3	23.4	26.0	28.7	31.5	17. 6. 15.36							
	8	α ¹ Herculis.....	RC	...	...	...	34.5	37.2	39.7	47.2	...	...	...	17. 9. 39.63			39.71	21.99	42.28		17. 10. 22.02
	9	α Ophiuchi.....	RC	37.0	39.5	42.0	47.2	49.6	52.3	59.7	2.3	4.9	7.4	17. 29. 52.23			52.31	34.65	42.34		17. 30. 34.62
	10	γ Aquilæ.....	RC	50.6	53.2	55.6	0.9	3.3	5.9	13.2	15.7	18.3	20.8	19. 41. 5.79			5.87	48.23	42.36		19. 41. 48.18
	11	α Aquilæ.....	RC	15.2	17.6	20.1	25.2	27.6	30.3	37.6	40.3	42.8	45.2	19. 45. 30.23			30.31	12.68	42.37		19. 46. 12.62
	12	ξ Cygni.....	JS	57.7	0.7	3.4	9.4	12.2	15.0	23.4	26.3	29.2	32.0	21. 8. 14.98			15.07	57.10	42.03	41.98	
	13	α Equulei.....	JS	11.6	14.3	16.7	...	24.1	26.7	34.1	36.5	39.2	41.6	21. 10. 26.70			26.78	8.78	42.00		
	14	α Andromedæ.....	RC	34.7	37.6	40.3	46.2	48.9	51.7	0.0	2.9	5.9	8.4	0. 2. 51.71			51.80	34.11	42.31	42.32	0. 3. 34.12
	15	ζ ¹ Piscium.....	RC	...	...	59.3	4.7	7.0	9.5	16.9	19.2	...	...	1. 8. 9.45			9.53	51.83	42.30		1. 8. 51.85
	16	Polaris.....	RC	47.1	57.3	9.6	21.5	34.1	45.9	57.6	12.0	22.6	...	1. 25. 34.19			35.92	17.75	41.83		
	17	5 Ursæ Minoris S.P.R.	RC	53.4	3.3	14.1	24.3	54.8	4.7	14.7	36.0	46.7	56.3	2. 26. 54.66			54.84				14. 27. 37.16
	18	μ Ceti.....	R	57.4	59.7	...	7.5	10.1	12.4	19.8	22.6	...	27.5	2. 39. 12.47			12.51				2. 39. 54.84
	19	Groombridge 2283 S.P.	RC	26.6	39.0	50.3	0.7	13.6	...	...	...	...	...	3. 5. 50.04			49.28	32.06	42.78		
	20	τ ¹ Arietis.....	RC	52.9	55.7	58.3	3.7	6.3	9.0	16.9	19.5	22.0	24.8	3. 15. 8.95			9.04	51.45	42.41		3. 15. 51.37
	21	δ Ursæ Minoris S.P.	RC	2.7	11.4	19.7	28.6	36.4	...	...	...	...	...	6. 1. 19.76			19.23	1.15	41.92		
	22	β Canis Majoris.....	RC	38.6	41.3	43.7	49.3	51.6	54.2	2.0	4.7	7.2	9.7	6. 17. 54.27			54.34	36.68	42.34		6. 18. 36.67
23	γ Geminorum.....	RC	22.5	24.9	27.6	33.1	35.6	38.2	45.7	48.3	50.8	53.5	6. 31. 38.06		38.14	20.49	42.35		6. 32. 20.47		
24	γ Geminorum....(E&E)	RC	39.4	54.6	10.0	25.8	41.0	56.3	11.7	...	...	...	6. 31. 37.91		37.99	20.49	42.50		.....		
25	Jupiter 1 L.....	RC	6.5	...	11.9	...	...	22.6	...	33.4	...	38.7	6. 35. 22.68		} 24.48					6. 36. 6.81	
26	Jupiter 2 L.....	RC	9.9	...	15.4	...	...	25.9	...	36.7	...	42.2	6. 35. 26.09								
Dec. 11	27	α Coronæ.....	JS	43.6	46.3	49.0	54.7	57.6	0.3	8.3	11.3	14.2	16.8	15. 30. 0.26	(- 0.36)	0.28	42.65	42.37	42.25	15. 30. 42.63	
	28	α Serpentis.....	JS	41.7	44.0	46.3	51.7	54.0	...	...	...	...	...	15. 38. 56.53	(+ 0.77)	56.57	38.91	42.34	[+ 0.15]	15. 39. 38.92	
Dec. 12	29	γ Aquilæ.....	JS	50.4	53.2	55.7	0.8	3.3	5.8	13.3	15.9	18.3	20.8	19. 41. 5.79		5.83	48.22	42.39		19. 41. 48.20	
	30	α Aquilæ.....	JS	15.2	17.7	20.3	25.3	27.8	30.3	37.7	...	...	...	19. 45. 30.29		30.33	12.67	42.34		19. 46. 12.70	
	31	ι Capricorni.....	HA	4.2	6.8	9.3	14.7	17.3	19.8	27.5	30.2	32.7	35.2	21. 16. 19.81		19.88	2.20	42.32	42.20	.....	
	32	β Aquarii.....	HA	40.6	43.2	45.7	50.7	53.2	55.7	3.0	5.7	8.0	10.4	21. 25. 55.66		55.72	38.06	42.34		.....	
	33	δ Piscium.....	JS	...	55.8	58.3	3.6	6.0	8.4	15.8	18.3	20.8	...	0. 43. 8.41		8.45	50.80	42.35	42.40	0. 43. 50.85	
	34	20 Ceti.....	JS	17.3	19.7	22.3	27.4	29.8	32.4	39.7	42.2	44.5	47.2	0. 47. 32.29		32.34	14.69	42.35		0. 48. 14.74	
	35	20 Ceti....(E&E)	JS	36.3	50.8	5.8	20.5	35.4	50.2	4.9	...	...	...	0. 47. 31.94		31.99	14.69	42.70		.....	
	36	μ Andromedæ.....	JS	33.7	36.8	40.0	46.3	49.7	52.5	1.9	5.0	8.3	11.5	0. 50. 52.62		52.63	35.00	42.37		0. 51. 35.04	
	37	μ Andromedæ....(E&E)	JS	44.6	3.2	22.1	40.9	59.5	18.5	37.3	...	...	...	0. 50. 52.27		52.28	35.00	42.72		.....	
	38	Polaris.....	JS	20.0	29.8	34.3	38.7	56.4	1.7	7.6	12.2	25.6	30.5	1. 25. 36.06		34.54	16.26	41.72		.....	
	39	τ ¹ Arietis.....	JS	53.0	55.8	58.3	3.8	6.5	9.0	16.8	19.7	22.2	24.8	3. 15. 9.03		9.06	51.45	42.39		3. 15. 51.48	
	40	τ Tauri.....	JS	41.3	44.0	46.7	52.0	54.7	57.5	5.5	8.0	10.7	13.4	4. 35. 57.42		57.45	39.94	42.49		4. 36. 39.88	
	41	Ceres.....	JS	34.7	37.3	40.0	45.4	48.0	50.7	58.4	1.2	3.7	6.5	4. 41. 50.63		50.66				4. 42. 33.09	
	42	κ Orionis.....	JS	23.3	26.0	28.3	33.7	36.0	38.4	45.9	48.4	51.0	53.6	5. 42. 38.50		38.56	21.11	42.55		5. 43. 21.00	
	43	ι Geminorum.....	JS	29.4	32.2	34.8	40.3	43.0	45.7	53.8	56.3	59.0	1.8	5. 57. 45.67		45.70	28.21	42.51		5. 58. 28.14	
	44	δ Ursæ Minoris S.P.	JS	20.8	28.3	34.3	49.3	57.0	1.7	13.7	17.8	21.7	26.1	6. 1. 17.91		18.48	0.90	42.42		.....	
	45	ν Geminorum.....	RC	27.9	30.7	33.3	38.7	41.3	43.8	51.7	54.3	57.0	59.7	6. 22. 43.88		43.91	26.63	42.72	42.66	.....	
46	γ Geminorum.....	RC	22.2	24.7	27.6	32.7	35.3	37.9	45.5	48.0	50.7	53.2	6. 31. 37.82		37.85	20.53	42.68		.....		
47	Jupiter 1 L.....	RC	3.0	...	8.2	...	...	19.2	...	29.9	...	35.3	6. 34. 19.18		} 20.82					6. 35. 3.52	
48	Jupiter 2 L.....	RC	6.5	...	11.7	...	...	22.5	...	33.4	...	38.5	6. 34. 22.59								

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 24, 35, and 37, - 107^s.70: - 108^s.68: and - 108^s.68.

16. Observed over wire T with the transit-micrometer set to readings 35^r.600, 35^r.700, 35^r.800, 35^r.900, 36^r.000, 36^r.100, 36^r.200, 36^r.300, 36^r.400.

19. Observed over wire T with the transit-micrometer set to readings 36^r.400, 36^r.500, 36^r.600, 35^r.800, 35^r.600.

21. Observed over wire T with the transit-micrometer set to readings 36^r.400, 36^r.500, 36^r.600, 35^r.800, 35^r.600.

25, 47. A correction of - 0^s.01 for defect of illumination has been applied in forming the concluded transit.

38. Observed over wire T with the transit-micrometer set to readings 37^r.850, 37^r.961, 38^r.002, 38^r.019, 38^r.213, 38^r.253, 38^r.291, 38^r.322, 38^r.429, 38^r.484.

44. Observed over wire T with the transit-micrometer set to readings 37^r.377, 37^r.190, 37^r.052, 36^r.685, 36^r.513, 36^r.372, 36^r.100, 36^r.002, 35^r.910, 35^r.792.

TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth].		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock Appa- rently Slow.	Adopted Clock Slow at oh Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.								
				s	s	s	s	s	s	s	s	s	s								
Dec. 13	1	ξ ² Ceti.....	E	14.7	17.3	19.6	24.8	27.3	29.9	37.3	39.6	42.2	44.7	2. 22. 29.78	+ 0.29		29.82	12.66	42.84	42.84	.....
	2	ε Arietis.....	E	54.7	57.3	0.0	5.5	8.1	10.7	18.6	21.3	23.9	26.6	2. 53. 10.71	(- 0.36)		10.74	53.56	42.82	[+ 0.09]	.....
	3	Groombridge 2283 S.P.	E	31.6	37.2	46.9	11.1	17.6	32.2	37.8	43.6	4.4	10.9	3. 5. 49.04	[+ 0.77]		49.83	32.63	42.80		.....
	4	Rigel.....	E	6.3	9.1	11.4	16.6	19.2	21.4	28.8	31.4	34.0	36.5	5. 9. 21.51			21.57	4.44	42.87		.....
	5	β Tauri.....	E	25.2	28.0	30.7	36.5	39.3	42.0	50.5	53.3	56.1	58.9	5. 19. 42.10			42.12	25.00	42.88		.....
	6	δ Ursæ Minoris S.P.	E	15.6	24.4	34.7	1.4	6.8	25.7	34.4	42.6	6.8	14.6	6. 1. 17.42			17.99	0.75	42.76		.....
	7	μ Geminorum.....	E	21.2	23.7	26.5	32.0	34.7	37.3	45.3	48.0	50.7	53.3	6. 16. 37.31			37.34	20.23	42.89		.....
Dec. 14	8	α Lyre.....	RC	42.9	46.3	49.3	55.8	58.7	2.2	...	14.8	18.0	20.9	18. 33. 2.09	(- 0.18)		2.11	45.05	42.94	42.86	18. 33. 45.02
	9	α Delphini.....	RC	18.9	21.4	24.0	29.4	31.8	34.3	42.0	44.6	47.1	49.6	20. 34. 34.35	[+ 0.68]		34.39	17.25	42.86	[+ 0.06]	20. 35. 17.30
	10	ε Aquarii.....	RC	38.8	40.9	43.5	48.6	51.0	53.5	1.1	3.6	6.0	8.6	20. 41. 53.60			53.66	36.50	42.84		20. 42. 36.57
	11	16 Pegasi.....	HA	49.3	52.0	54.7	0.3	3.1	5.9	13.8	16.6	19.4	22.3	21. 48. 5.79			5.82	48.38	42.56	42.51	.....
	12	α Aquarii.....	HA	1.4	3.9	6.3	11.3	14.0	16.3	23.5	26.2	28.7	31.0	22. 0. 16.30			16.35	58.91	42.56		.....
	13	ι Pegasi.....	JS	40.3	43.0	45.8	51.6	54.2	57.0	5.0	7.7	10.2	13.3	22. 1. 56.85			56.88	39.50	42.62	42.56	.....
	14	θ Aquarii.....	JS	56.3	58.8	1.3	6.5	9.0	11.4	18.8	21.2	23.8	26.3	22. 11. 11.88			11.44	54.05	42.61		.....
	15	θ Aquarii..... (E&E)	JS	15.5	30.4	45.4	0.5	15.5	30.2	45.3	...	...	...	22. 11. 11.07			11.13	54.05	42.92		.....
	16	κ Piscium.....	RC	10.8	13.4	15.7	20.9	23.4	25.6	33.2	35.5	38.2	40.7	23. 21. 25.78			25.83	8.80	42.97	42.86	23. 22. 8.75
	17	Bradley 3147.....	RC	53.9	2.4	10.8	19.6	28.6	...	...	...	...	...	23. 27. 11.06			10.76	54.18	43.42		.....
	18	Bradley 1672 S.P.	RC	49.6	4.7	20.1	36.2	52.7	...	...	...	...	...	0. 13. 20.66			21.28	4.63	43.35	42.92	.....
	19	12 Ceti.....	RC	18.8	21.5	23.8	28.9	31.4	33.7	41.1	43.5	46.1	48.8	0. 24. 33.80			33.85	16.81	42.96		0. 25. 16.77
	20	Polaris.....	RC	33.5	39.6	45.2	50.0	54.8	59.7	5.0	9.9	16.3	25.0	1. 25. 31.70			30.83	14.88	44.05		.....
	21	α Arietis.....	RC	56.4	59.2	1.8	7.3	9.8	12.7	20.6	23.4	26.1	28.7	2. 1. 12.64			12.67	55.58	42.91		2. 1. 55.60
	22	Groombridge 2283 S.P.	RC	25.6	36.3	48.7	0.2	11.7	...	...	...	...	...	3. 5. 48.50			48.97	32.79	43.82		.....
	23	γ ¹ Arietis.....	RC	52.5	55.2	57.8	3.3	5.9	8.6	16.5	19.0	21.6	24.2	3. 15. 8.50			8.54	51.45	42.91		3. 15. 51.47
	24	β Tauri.....	RC	25.0	27.7	30.7	36.3	39.3	42.2	50.3	53.2	56.0	58.9	5. 19. 42.01			42.04	25.01	42.97		5. 20. 24.97
	25	δ Ursæ Minoris S.P.	RC	1.4	8.8	17.5	24.9	34.2	...	...	...	...	...	6. 1. 17.36			17.70	0.59	42.89		.....
	26	β Canis Majoris.....	RC	...	40.7	43.3	48.7	51.3	53.7	1.4	4.1	6.7	...	6. 17. 53.77			53.83	36.74	42.91		6. 18. 36.77
Dec. 21	27	ω Piscium.....	WS	32.7	35.4	37.7	43.0	45.4	47.6	...	57.7	0.2	...	23. 53. 47.79	+ 0.36		47.83	31.16	43.33	43.24	.....
	28	2 Ceti.....	WS	58.3	1.1	3.6	9.2	11.6	14.2	21.8	24.4	27.2	29.6	23. 58. 14.14	(+ 0.47)		14.18	57.51	43.33	[+ 0.09]	.....
	29	α Andromedæ.....	E	33.6	36.3	39.3	45.1	47.7	50.5	58.9	1.7	4.5	7.4	0. 2. 50.55	(- 0.05)		50.62	33.95	43.33	43.33	0. 3. 33.95
	30	γ Pegasi.....	E	27.0	29.6	32.2	37.5	40.0	42.4	50.2	52.8	55.3	57.7	0. 7. 42.51			42.56	25.91	43.35		0. 8. 25.89
	31	Bradley 1672 S.P.	E	33.7	44.0	49.0	7.7	12.4	27.6	34.0	38.3	55.2	0.7	0. 13. 26.88			5.28	9.83	44.55		.....
	32	ε Andromedæ.....	E	37.2	40.1	43.0	48.8	51.6	54.3	2.7	5.7	8.4	11.3	0. 32. 54.36			54.43	37.73	43.30		0. 33. 37.76
	33	Polaris.....	E	35.2	43.6	49.7	10.0	15.5	28.0	33.7	38.3	53.9	1.7	1. 25. 23.82			26.29	8.56	42.27		.....
	34	ν Piscium.....	E	36.7	39.3	41.7	46.8	49.3	51.6	59.1	1.6	4.1	6.6	1. 35. 51.72			51.76	35.02	43.26		1. 36. 35.10
	35	ο Piscium.....	E	29.9	32.4	35.1	40.3	42.7	45.3	52.5	55.1	57.6	0.2	1. 39. 45.15			45.19	28.51	43.32		1. 40. 28.53
	36	ν Ceti.....	E	1.1	3.6	6.1	11.2	13.5	16.0	23.5	26.0	28.4	31.1	2. 30. 16.09			16.13	59.42	43.29		2. 30. 59.47
	37	Groombridge 2283 S.P.	E	25.7	31.5	37.7	43.8	49.3	55.6	0.8	7.0	13.2	19.2	3. 5. 52.38			51.20	34.60	43.40		.....
	38	α ¹ Eridani.....	HA	21.6	24.3	26.7	31.8	34.4	36.8	...	...	...	...	4. 6. 36.77			36.81	19.75	42.94	42.92	.....
	39	γ Tauri.....	HA	31.7	34.3	36.8	42.0	44.7	47.2	55.0	57.5	0.0	2.4	4. 13. 47.20			47.25	30.18	42.93		.....
	40	δ Orionis.....	E	17.3	19.8	22.3	27.4	29.7	32.3	39.6	42.0	44.6	47.2	5. 26. 32.26			32.30	15.67	43.37	43.33	5. 27. 15.65
	41	α Leporis.....	E	39.3	41.6	44.1	49.6	52.3	54.8	2.5	5.2	7.7	10.3	5. 27. 54.78			54.82	38.21	43.39		5. 28. 38.17
	42	ε Orionis.....	E	31.6	34.3	36.6	41.6	44.2	46.5	54.0	56.3	59.0	1.4	5. 30. 46.59			46.63	30.02	43.39		5. 31. 29.98
	43	δ Ursæ Minoris S.P.	E	1.1	9.2	17.5	25.8	34.7	...	...	...	...	...	6. 1. 17.66			16.82	59.73	42.91		.....
	44	μ Geminorum.....	E	20.8	23.5	26.3	31.6	34.3	36.9	44.9	47.6	50.2	52.9	6. 16. 36.94			37.00	20.37	43.37		6. 17. 20.35
	45	ν Geminorum.....	E	27.4	30.1	32.8	38.1	40.8	43.4	51.2	53.6	56.3	59.0	6. 22. 43.31			43.37	26.78	43.41		6. 23. 26.72
	46	ν Geminorum..... (E&E)	E	45.1	0.5	16.3	32.4	48.0	4.0	19.4	...	...	...	6. 22. 43.29			43.35	26.78	43.43		.....
	47	Jupiter 1 L.....	E	0.3	...	5.7	...	...	16.5	...	27.2	...	32.8	6. 29. 16.57			18.35				6. 30. 1.70
	48	Jupiter 2 L.....	E	3.7	...	9.2	...	...	20.1	...	30.8	...	35.9	6. 29. 20.01							6. 50. 1.28
	49	Neptune.....	E	1.7	4.5	7.3	12.7	15.3	17.8	25.7	28.4	31.3	33.6	6. 49. 17.87			17.93				.....
	50	Cephei 51.....	E	43.1	51.2	56.5	19.6	26.3	45.1	50.7	57.0	22.6	27.7	6. 56. 41.85			42.90	27.06	44.16		.....
	51	51 Geminorum.....	JS	3.5	6.2	8.7	14.0	16.6	19.2	26.7	29.3	31.9	34.5	7. 7. 19.10			19.15	2.13	42.98	42.94	.....

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 15 and 46, - 109^s.40: and - 109^s.02.

3. Observed over wire T with the transit-micrometer set to readings 38^s.347, 38^s.238, 38^s.069, 37^s.662, 37^s.562, 37^s.309, 37^s.223, 37^s.120, 36^s.768, 36^s.658.
6. Observed over wire T with the transit-micrometer set to readings 38^s.931, 38^s.728, 38^s.463, 37^s.849, 37^s.705, 37^s.220, 36^s.973, 36^s.822, 36^s.245, 36^s.081.
7. Faint.
17. Observed over wire T with the transit-micrometer set to readings 35^s.600, 35^s.800, 36^s.000, 36^s.200, 36^s.400.
18. Observed over wire T with the transit-micrometer set to readings 36^s.400, 36^s.200, 36^s.000, 35^s.800, 35^s.600.
20. Observed over wire T with the transit-micrometer set to readings 35^s.508, 35^s.553, 35^s.600, 35^s.636, 35^s.701, 35^s.745, 35^s.775, 35^s.828, 35^s.870, 35^s.948.
22. Observed over wire T with the transit-micrometer set to readings 36^s.400, 36^s.200, 36^s.000, 35^s.800, 35^s.600.
25. Observed over wire T with the transit-micrometer set to readings 36^s.400, 36^s.200, 36^s.000, 35^s.800, 35^s.600.
31. Observed over wire T with the transit-micrometer set to readings 32^s.879, 32^s.760, 32^s.682, 32^s.441, 32^s.370, 32^s.189, 32^s.115, 32^s.058, 31^s.846, 31^s.770.
33. Observed over wire T with the transit-micrometer set to readings 34^s.572, 34^s.645, 34^s.678, 34^s.879, 34^s.935, 35^s.030, 35^s.071, 35^s.110, 35^s.268, 35^s.320.
37. Observed over wire T with the transit-micrometer set to readings 36^s.450, 36^s.350, 36^s.250, 36^s.150, 36^s.050, 35^s.950, 35^s.850, 35^s.750, 35^s.650, 35^s.550.
43. Observed over wire T with the transit-micrometer set to readings 36^s.400, 36^s.200, 36^s.000, 35^s.800, 35^s.600.
50. Observed over wire T with the transit-micrometer set to readings 33^s.642, 33^s.806, 33^s.912, 34^s.379, 34^s.470, 34^s.865, 34^s.982, 35^s.103, 35^s.627, 35^s.731.

MONTH	No. for Reference.	NAME OF OBJECT.	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of Collimation. (Level). [Azimuth]	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow.	Adopted Clock Slow at Sidereal and (Losing Rate).	Apparent R.A. of Centre from the Observation.
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.							
				s	s	s	s	s	s	s	s	s	s							
Dec. 21	1	δ Geminorum.....	JS	35.3	37.9	40.6	46.1	48.6	51.4	59.3	2.0	4.7	7.4	7.13.51.37	+ 0.36					
	2	α Coronæ.....	RC	42.8	45.6	48.2	54.1	56.8	59.5	7.6	10.5	13.3	16.0	15.29.59.49	(+ 0.47)	51.43	34.38	42.95	42.94	.....
	3	α Serpentis.....	RC	40.7	43.3	45.6	50.9	53.3	55.7	...	...	...	...	15.38.55.74	(- 0.05)	59.57	42.87	43.30	[+ 0.09]	.....
Dec. 22	4	⊙ 1 L.....	RC	43.4	46.2	48.7	54.4	56.8	59.8	...	...	...	...	17.56.59.66	(+ 0.78)					
	5	⊙ 2 L.....	RC	5.9	8.7	11.3	16.8	19.4	22.2	30.1	33.0	35.6	38.3	17.59.22.17		10.96				17.58.54.28
Dec. 25	6	⊙ 1 L.....	E	2.6	5.6	8.1	13.6	16.3	19.0	26.9	29.6	32.3	35.3	18.10.18.97						.....
	7	⊙ 2 L.....	E	24.8	27.7	30.4	36.1	38.8	41.6	49.7	52.0	55.0	57.7	18.12.41.42						.....
Dec. 26	8	W. B. II. 1033.....	HA	18.3	20.7	23.3	28.7	31.2	33.6	41.2	43.7	46.3	48.8	3.0.33.62	(- 0.15)	33.50			43.77	3.1.17.29
	9	Piazzi III. 4.....	HA	16.3	19.1	21.4	26.8	29.4	31.8	39.3	41.9	44.2	46.9	3.5.31.75	(- 3.09)	31.63			[+ 0.18]	3.6.15.42
	10	γ Arietis.....	HA	51.7	54.4	57.1	2.6	5.3	7.8	15.5	18.3	21.2	23.6	3.15.7.79		7.70	51.42	43.72		.....
	11	⊙ 1 L.....	HA	15.0	17.6	20.3	25.6	28.2	30.8	38.3	41.2	43.6	46.3	3.21.30.73		30.61				3.23.17.25
	12	δ Eridani.....	HA	48.9	51.4	53.9	59.2	1.6	4.0	11.6	14.0	16.7	19.0	3.38.4.07		3.90	47.69	43.79		.....
	13	η Tauri.....	HA	57.4	0.2	2.8	8.3	11.1	13.7	21.8	24.3	27.2	29.6	3.41.13.68		13.59	57.43	43.84		.....
	14	Mayer 136.....	HA	51.7	54.3	56.8	2.3	4.8	7.4	15.1	17.6	20.2	22.8	3.47.7.34		7.24				3.47.51.04
	15	γ Eridani.....	HA	42.6	45.2	47.6	53.0	55.5	57.8	5.6	8.1	10.8	13.2	3.52.57.98		57.80	41.64	43.84		.....
	16	α Tauri.....	HA	...	14.8	17.6	23.0	25.7	28.3	36.2	38.9	41.5	...	3.59.28.28		28.19	11.92	43.73		.....
	17	B.D. + 14° 657.....	HA	27.2	29.7	32.2	37.6	40.1	42.5	50.1	52.8	55.4	57.8	4.1.42.58		42.46				4.2.26.26
	18	α Eridani.....	HA	21.0	23.5	26.0	31.2	33.6	36.0	43.6	46.0	48.4	50.8	4.6.36.05		35.88	19.74	43.86		.....
Dec. 27	19	⊙ 1 L.....	W	55.5	58.1	0.9	6.3	9.0	11.7	19.9	22.5	25.2	27.8	18.19.11.73	(- 0.00)				44.05	18.21.6.87
	20	⊙ 2 L.....	W	17.9	20.3	23.2	28.7	31.4	34.3	42.1	44.8	47.6	50.3	18.21.34.10	(- 3.09)				[+ 0.10]	.....
	21	α Lyrae.....	W	42.2	45.3	48.3	54.7	58.0	1.1	10.5	13.7	16.8	20.0	18.33.1.11		1.08	45.06	43.98		18.33.45.21
	22	β Ceti.....	W	54.7	57.4	0.0	5.6	7.9	10.4	18.3	20.8	23.6	26.2	0.38.10.53		10.36	54.44	44.08	44.15	0.38.54.51
	23	δ Piscium.....	W	51.5	53.9	56.4	1.6	4.0	6.7	14.0	16.5	19.0	21.6	0.43.6.56		6.44	50.64	44.20		0.43.50.59
	24	Polaris.....	W	2.4	6.3	10.0	13.2	26.9	30.5	33.6	37.3	48.6	52.2	1.25.13.35		20.53	3.02	42.49		.....
	25	ν Piscium.....	W	36.0	38.3	40.9	46.0	48.4	50.9	58.3	0.8	3.3	5.9	1.35.50.92		50.79	34.96	44.17		1.36.34.95
	26	ο Piscium.....	W	29.4	31.7	34.2	39.5	42.0	44.3	51.8	54.3	56.8	59.3	1.39.44.37		44.25	28.46	44.21		1.40.28.41
	27	Groombridge 2283 S.P..	W	52.6	57.1	1.3	4.7	19.1	22.7	27.0	30.2	45.1	48.9	3.5.54.96		51.19	34.54	43.35		.....
	28	f Tauri.....	W	45.2	47.5	50.0	55.3	57.6	0.3	7.6	10.3	12.8	15.4	3.25.0.24		0.13	44.28	44.15		3.25.44.29
	29	f Tauri.....(E&E)	W	58.8	14.2	29.5	44.7	59.7	14.9	29.9	...	...	...	3.25.0.15		0.04	44.28	44.24		.....
	30	ε Eridani.....	W	33.7	36.3	38.7	44.0	46.4	48.9	56.3	58.9	1.4	4.0	3.27.48.90		48.74	32.99	44.25		3.28.32.90
	31	Mayer 136.....	W	51.3	54.0	56.4	1.9	4.4	7.0	14.5	17.3	19.4	22.4	3.47.6.90		6.81				3.47.50.98
	32	B.D. + 14° 657.....	W	26.8	29.4	31.7	37.2	39.6	42.3	49.7	52.4	55.0	57.5	4.1.42.20		42.09				4.2.26.26
	33	⊙ 1 L.....	W	8.7	11.4	13.9	19.3	21.8	24.6	32.4	35.1	37.7	40.2	4.10.24.55		24.45				4.12.12.26
	34	Mösting A.....	W	...	24.8	27.4	32.7	35.4	37.8	45.6	48.3	51.2	...	4.11.37.93		37.83				4.12.12.23
	35	Ceres.....	W	44.7	47.2	49.9	55.5	58.3	0.7	8.4	11.2	13.6	16.3	4.28.0.62		0.54				4.28.44.71
	36	σ Tauri.....	W	...	...	...	...	10.8	13.4	21.1	23.6	26.2	28.8	4.33.13.42		13.32				4.33.57.49
	37	Mayer 177.....	W	51.5	53.9	56.6	2.2	4.7	7.2	14.8	17.6	20.4	22.8	4.40.7.21		7.12				4.40.51.29
	38	Rigel.....	W	5.5	8.2	10.3	15.5	18.0	...	28.2	30.5	32.9	35.5	5.9.20.55		20.39	4.53	44.14		5.10.4.56
	39	Rigel.....(E&E)	W	20.0	35.0	49.9	5.0	19.9	34.8	49.6	...	...	...	5.9.20.51		20.35	4.53	44.18		.....
Dec. 29	40	⊙ 1 L.....	E	47.4	49.9	52.9	58.3	1.1	3.7	...	...	...	...	18.28.3.66	(- 0.45)	3.52				18.29.58.67
	41	η Aquarii.....	HA	34.2	36.8	39.3	44.3	46.8	49.3	56.5	59.2	1.6	4.2	22.29.49.26	(- 2.38)	49.14	33.13	43.99	43.90	.....
	42	ζ Pegasi.....	HA	49.0	51.4	53.9	59.2	1.6	4.0	11.6	14.0	16.5	19.2	22.36.4.08		3.97	47.96	43.99		.....
Dec. 30	43	α Lyrae.....	W	41.6	44.6	47.8	54.3	57.6	0.6	...	...	...	...	18.33.0.61	(- 1.13)	0.52	45.09	44.57	44.50	18.33.45.10
														(- 1.67)						

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 29 and 39, - 104^s.45: and - 104^s.45.
 Corrections for passage of Semidiameter, Nos. 11, 33, and 40, + 62^s.84: + 63^s.64: and + 71^s.17.

6, 7. Kept for diameter only. No determination of the clock error having been made within 24^{hrs} of the observation. 22. Diffused.
 24. Observed over wire T with the transit-micrometer set to readings 36^r.912, 36^r.940, 36^r.966, 36^r.993, 37^r.147, 37^r.163, 37^r.170, 37^r.201, 37^r.317, 37^r.340.
 27. Observed over wire X with the transit-micrometer set to readings 35^r.162, 35^r.093, 35^r.048, 34^r.973, 34^r.712, 34^r.670, 34^r.604, 34^r.532, 34^r.282, 34^r.233.
 34. Reduction to D's centre at time of transit of Crater, - 9^s.43. A further correction of - 0^s.34 has been applied to reduce to time of transit of D's centre on true meridian.

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TRANSITS OBSERVED WITH THE TRANSIT-CIRCLE, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION.

MONTH and DAY.	No. for Reference.	NAME OF OBJECT	Observer.	Seconds of Transit over the Wires.										Concluded Transit over the Centre Wire.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock appa- rently Slow.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Apparent R.A. of Centre from the Observation.	
				I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		Collimation.	[Level].						[Azimuth].
h	m	s	h	m	s																	
Dec. 31	1	δ Orionis.....	W	16.4	18.8	21.3	26.3	28.8	31.2	38.5	41.1	43.6	46.0	5. 26. 31.24	+ 0.36	31.13	15.73	44.60	44.60	5. 27. 15.75		
	2	Jupiter 1 L.....	W	8.2	11.0	13.6	19.2	21.8	24.4	32.4	35.2	37.9	40.4	6. 23. 24.45	{ - 1.13 - 1.67	26.10			[+ 0.10]	6. 24. 10.73		
	3	Jupiter 2 L.....	W	11.7	14.3	17.0	22.7	25.3	28.0	35.9	38.7	41.4	44.1	6. 23. 27.95								
	4	γ Geminorum.....	W	20.7	23.3	25.8	31.3	33.7	36.3	43.9	46.5	49.1	51.6	6. 31. 36.26		36.15	20.81	44.66		6. 32. 20.78		
	5	Cephei 51.....	W	5.2	8.9	12.5	16.8	30.7	34.3	37.6	41.3	54.0	57.3	6. 56. 43.73		44.29	28.79	44.50		.....		
	6	ζ Geminorum.....	W	35.4	38.2	40.8	46.2	48.9	51.4	59.4	2.0	4.7	7.3	6. 57. 51.47		51.37	36.02	44.65		6. 58. 36.00		
	7	δ Geminorum.....	W	34.0	36.6	39.2	44.8	47.4	50.1	58.0	0.7	3.4	6.0	7. 13. 50.06		49.96	34.56	44.60		7. 14. 34.59		
	8	λ Ursæ Minoris S.P.....	W	3.4	7.5	11.3	15.3	31.6	36.8	41.0	46.1	2.2	6.7	7. 12. 56.05		53.97	38.16	44.19		.....		
	9	56 Geminorum.....	W	27.6	30.3	32.8	38.3	40.9	43.5	51.5	54.1	56.7	59.2	7. 15. 43.53		43.43				7. 16. 28.06		
	10	β Canis Minoris.....	W	7.5	9.8	12.4	17.4	20.0	22.3	29.7	32.4	34.8	37.4	7. 21. 22.41		22.30	6.89	44.59		7. 22. 6.93		
	11	β Canis Minoris... (E&E)	W	22.5	37.5	52.7	7.3	22.3	37.4	52.4	...	...	...	7. 21. 22.23		22.12	6.89	44.77		.....		
	12	Castor.....	W	38.3	41.3	44.2	50.2	53.0	55.7	4.6	7.6	10.4	13.3	7. 27. 55.91		55.82	40.47	44.65		7. 28. 40.45		
	13	Castor..... (E&E)	W	48.8	6.3	23.5	41.0	58.5	16.1	33.4	...	...	...	7. 27. 55.91		55.82	40.47	44.65		.....		
	14	Mösting A.....	W	...	...	...	...	...	...	...	21.8	38.1	54.0	7. 39. 5.72		5.62				7. 39. 48.97		
	15	D 2 L.....	W	...	56.7	59.4	5.0	7.6	10.3	18.3	21.0	23.6	...	7. 40. 10.27		10.17				7. 39. 48.98		

Corrections to the times by Hardy for reduction to Sidereal Standard, applied to form Concluded Transit, Nos. 11 and 13, - 105^s.25: and - 105^s.25.
Correction for passage of Semidiameter, No. 15, - 65^s.82.

- 1, 8. Faint.
- 5. Observed over wire X with the transit-micrometer set to readings 35^r.223, 35^r.268, 35^r.352, 35^r.442, 35^r.724, 35^r.790, 35^r.845, 35^r.911, 36^r.194, 36^r.260.
- 8. Observed over wire U with the transit-micrometer set to readings 36^r.770, 36^r.749, 36^r.709, 36^r.698, 36^r.560, 36^r.538, 36^r.512, 36^r.496, 36^r.371, 36^r.349.
- 14. Reduction to D's centre at time of transit of Crater - 1^s.23. A further correction of - 0^s.05 has been applied to reduce to time of transit of D's centre on true meridian.
Observed over wires X, Y, and Z.