

ROYAL OBSERVATORY, GREENWICH.

MERIDIAN OBSERVATIONS OF TRANSITS
WITH THE ALTAZIMUTH

AND

COMPUTATIONS

OF

APPARENT RIGHT ASCENSION.

1906.

NOTES.

The observations here printed in detail are those of the Sun, Moon, Mösting A, Planets, Clock Stars, Moon Culminating Stars, Standard Polar Stars, and Stars observed by Reflexion.

The Instrument is used in four positions in the meridian, being reversible in its Y's and also capable of rotation through 180° in azimuth. These four positions are thus denoted:—

Azimuth	0° , direct	or 0° , d.,	Fixed Circle	East	Microscopes	A.B.C.D.	East
,,	0° , reversed	,, 0° , r.,	,,	West	,,	,,	East
,,	180° , reversed	,, 180° , r.,	,,	East	,,	,,	West
,,	180° , direct	,, 180° , d.,	,,	West	,,	,,	West

The observations were registered on the new chronograph made by Sir H. Grubb, which is placed in the lower room of the Altazimuth building. The times are referred to the Sidereal Standard Clock, unless otherwise noted.

One revolution of Transit-micrometer = $21''.63$; from October 20, $21''.58$.

Twenty-seven vertical wires are available for transit observations, and transits have usually been taken over either the outer group of 10 wires, viz., 2 to 6, 22 to 26, or over selected wires of the middle 15, viz., 7 to 21.

The following are the approximate intervals from the middle wire expressed in revolutions of the Transit-micrometer:—

Wire.	Revolutions.	Wire.	Revolutions.
1, 27	30	7, 21	10
2, 26	23	8, 20	8
3, 25	21	9, 19	6
4, 24	19	10, 18	5
5, 23	17	11, 17	4
6, 22	15	12, 16	3
		13, 15	2
		14	0

A star transits the wires in the order of numeration of the wires in position 0° , d. or 180° , r.; in the reverse order in position 0° , r. or 180° , d. In each case, the order is reversed below the pole. For close circumpolar stars, ten bisections are usually taken on one of the wires, the times being recorded on the chronograph, and the readings of the Transit-micrometer being noted.

The column "Reading of Transit-micrometer," gives in these cases the mean of the readings.

In positions 0° , d. and 180° , r., the readings of the Transit-micrometer increase with the time for a star above the pole; the reverse holds in positions 0° , r. and 180° , d.

The revolution counter of the Transit-micrometer is graduated from 0 to 20, and makes 1 revolution in 20 revolutions of the micrometer.

The column "Observed Transit" is the concluded clock time at which the object crossed the middle wire. In the case of the Sun, Moon, and Planets, a correction for motion has been applied; the Right Ascensions are therefore reduced to the instant of meridian passage.

This correction has not been applied in the case of the observations of Mösting A, but the Tabular R.A. of the Moon has been computed for the actual time of the observation. The difference of R.A. of Mösting A and the Moon's Centre has been interpolated with second differences from the Berliner Jahrbuch, the values used being as follows:—

Day.	$\alpha_\eta - \alpha_\kappa$.	Day.	$\alpha_\eta - \alpha_\kappa$.	Day.	$\alpha_\eta - \alpha_\kappa$.	Day.	$\alpha_\eta - \alpha_\kappa$.
Jan. 3	-10.35	Feb. 12	-4.43	July 4	-8.12	Oct. 6	-7.36
5	-7.33	Mar. 3	-2.19	30	-5.45	8	-2.82
9	-0.12	6	$+2.70$	Aug. 2	-9.89	27	-14.26
10	$+0.87$	8	$+2.19$	7	-14.07	Nov. 5	-1.79
13	$+0.07$	16	-11.55	28	-8.43	27	-13.05
14	-1.08	Apr. 6	$+1.46$	29	-9.52	30	-7.84
16	-3.75	10	-7.92	31	-11.65	Dec. 5	$+1.45$
Feb. 2	-5.96	14	-13.61	Sept. 3	-13.43	27	-9.43
5	-0.08	June 6	-8.82	27	-12.16	31	-1.25
7	$+1.68$	8	-12.83	29	-13.14		

The meridian of the instrument is $0^\circ.15$ East of the Transit-Circle meridian, this quantity being obtained by measurement on the plan of the Observatory.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION, IN THE YEAR 1906.

[3]

MONTH DAY	Position of Instru- ment	Observer	No. for Reference	NAME OF OBJECT	Number of Wires	Reading of Transit Micrometer	Observed Transit	Error of		Seconds of Transit Cor- rected	Tabular R.A. of Known Stars	Clock apparently Slow at 0 ^h Sidereal	Adopted Clock Slow at 0 ^h Sidereal and (Losing Rate)	Correction for Passage of Semidiameter	Apparent R.A. of Centre from the Observation
								Collimation (Level)	Axis						
						r	h m s	"	"	s	s	s	s	m s	h m s
1906.															
Jan. 3	180°, r.	AC	1	D 1 L.....	13	19'500	1. 38. 51'67	+ 0'45		52'78			+18'30	+1. 1'38	1. 40. 12'52
		AC	2	Mösting A.....	10	"	1. 40.	(+ 7'05)		4'92			[+ 0'54]		1. 40. 12'87
		AC	3	α Lyrae.....	15	"	18. 33. 23'63	[+15'43]		24'55	43'27	+18'30			.....
Jan. 4	180°, r.	HF	4	⊙ 2 L.....	9	"	18. 58. 26'75	(+ 7'05)		27'99			+18'14	-1. 10'91	18. 57. 35'65
		HF	5	μ Pegasi.....	10	"	22. 45. 7'11	(+ 6'95)		8'11	26'83	+18'21	[+ 0'54]		.....
		HF	6	λ Aquarii.....	10	"	22. 47. 21'49	[+15'30]		22'65	41'33	+18'17			.....
		HF	7	Bradley 3147.....	9	17'297	23. 27. 32'85			29'62	48'50	+18'35			.....
		HF	8	β Ceti.....	10	19'500	0. 38. 31'69			32'90	51'51	+18'60	+18'68		.....
Jan. 5	180°, r.	AC	9	D 1 L.....	9	"	3. 13. 10'89	(+ 5'53)		11'80			+19'45	+1. 2'78	3. 14. 34'12
		AC	10	Mösting A.....	13	"	3. 14.	[+13'53]		22'18			[+ 0'50]		3. 14. 34'32
		AC	11	f Tauri.....	8	"	3. 25. 20'78			21'69	41'19	+19'43			3. 25. 41'21
		AC	12	11 Tauri.....	15	"	3. 34. 49'36			50'21	9'75	+19'47			3. 35. 9'73
		AC	13	Jupiter 1 L.....	5	"	3. 38. 49'31			50'19				+ 1'58	3. 39. 11'30
		AC	14	Jupiter 2 L.....	5	"	3. 38. 52'71			53'59				- 1'58	3. 39. 11'54
		AC	15	Piazzi III. 187.....	15	"	3. 47. 27'38			28'27					3. 47. 47'80
		AC	16	γ ¹ Eridani.....	9	"	3. 53. 18'41			19'45	38'99	+19'46			3. 53. 38'98
		AC	17	ω ¹ Tauri.....	13	"	4. 3. 21'30			22'17	41'75	+19'50			4. 3. 41'70
		AC	18	Groombridge 750.....	10	19'175	4. 6. 44'66			42'74	1'98	+19'16			.....
		AC	19	ε Tauri.....	8	19'500	4. 22. 47'73			48'61	8'12	+19'42			4. 23. 8'15
Jan. 8	180°, r.	HF	20	β Andromedæ.....	10	"	1. 4. 6'20	+ 0'38		6'70	27'68	+20'96	+20'92		1. 4. 27'64
		HF	21	ζ ¹ Piscium.....	2	"	1. 8. 27'08	(+ 2'56)		27'80	48'66	+20'84	[+ 0'50]		1. 8. 48'74
		HF	22	θ Ceti.....	10	"	1. 18. 57'26	[+12'00]		58'08	18'95	+20'85			1. 19. 19'03
		HF	23	Polaris.....	8	19'358	1. 25. 27'68			12'12	33'00	+20'86			.....
		HF	24	o Tauri.....	10	19'500	3. 19. 23'68			24'38	45'43	+20'98			3. 19. 45'37
		HF	25	ε Eridani.....	7	"	3. 28. 8'48			9'30	30'29	+20'92			3. 28. 30'29
		HF	26	Jupiter 1 L.....	6	"	3. 38. 11'58			12'21				+ 1'57	3. 38. 34'78
		HF	27	Jupiter 2 L.....	6	"	3. 38. 14'80			15'43				- 1'57	3. 38. 34'86
		HF	28	μ Eridani.....	10	"	4. 40. 26'86			27'64	48'62	+20'88			4. 40. 48'66
		HF	29	Rigel.....	9	"	5. 9. 40'05			40'86	1'87	+20'90			5. 10. 1'89
		HF	30	Piazzi V. 48.....	10	"	5. 15. 2'43			3'06					5. 15. 24'09
		HF	31	115 Tauri.....	10	"	5. 21. 20'10			20'74					5. 21. 41'77
		HF	32	D 1 L.....	11	"	5. 47. 33'53			34'16				+1. 6'48	5. 49. 1'68
Jan. 9	180°, r.	AC	33	Groombridge 2283 S.P....	9	21'314	3. 6. 28'61	(+ 2'48)		37'70	57'55	+19'78	+21'54		.....
		AC	34	ε Eridani.....	10	19'500	3. 28. 7'82	[+12'19]		8'65	30'28	+21'55	[+ 0'52]		3. 28. 30'27
		AC	35	11 Tauri.....	10	"	3. 34. 47'48			48'07	9'72	+21'57			3. 35. 9'69
		AC	36	γ ¹ Eridani.....	10	"	3. 53. 16'48			17'34	38'96	+21'54			3. 53. 38'96
		AC	37	Aldebaran.....	9	"	4. 30. 9'88			10'54	32'09	+21'45			4. 30. 32'18
		AC	38	β Tauri.....	10	"	5. 19. 59'48			0'05	21'70	+21'53			5. 20. 21'71
		AC	39	α Leporis.....	10	"	5. 28. 13'27			14'16	35'81	+21'53			5. 28. 35'82
		AC	40	δ Ursæ Minoris S.P.....	8	16'696	6. 1. 48'21			54'88	17'68	+22'67			.....
		AC	41	γ ¹ Orionis.....	7	19'500	6. 8. 57'43			58'07					6. 9. 19'74
		AC	42	ν Geminorum.....	10	"	6. 23. 1'30			1'94	23'70	+21'62			6. 23. 23'62
		AC	43	D 1 L.....	11	"	6. 42. 49'08			49'72				+1. 7'35	6. 44. 18'76
		AC	44	Mösting A.....	8	"	6. 43.			49'86					6. 44. 18'58
		AC	45	Cephei 51.....	8	19'497	6. 56. 47'23			40'81	1'72	+20'76			.....
		AC	46	ζ Geminorum.....	10	19'500	6. 58. 10'50			11'13	32'83	+21'55			6. 58. 32'82
		AC	47	51 Geminorum.....	3	"	7. 7. 36'84			37'50	59'23	+21'58			7. 7. 59'19
Jan. 10	180°, r.	V	48	⊙ 1 L.....	5	"	19. 22. 18'38	(+ 2'18)		19'29			+21'50	+1. 10'52	19. 23. 51'74
		V	49	⊙ 2 L.....	7	"	19. 24. 39'45	[+12'07]		40'36			[+ 0'53]	-1. 10'52	19. 23. 51'77
		V	50	Polaris.....	10	21'525	1. 25. 24'92	(+ 1'97)		8'24	30'98	+22'71	+22'03		.....
		V	51	β Arietis.....	10	19'500	1. 49. 3'91	[+11'80]		4'49	26'55	+22'02			1. 49. 26'56
		V	52	α ² Piscium.....	3	"	1. 56. 48'06			48'61					1. 57. 10'68
		V	53	α ² Piscium.....	5	"	1. 56. 47'88			48'60					1. 57. 10'67
		V	54	ζ ¹ Ceti.....	3	"	2. 7. 38'27			38'75	0'81	+22'01			2. 8. 0'83
		V	55	ζ ¹ Ceti.....	4	"	2. 7. 38'12			38'79	0'81	+21'97			2. 8. 0'87

2. G. M. T. of observation 6^h 50^m 27^s.99; seconds of Tab. R. A. 12^s.41.

4. 21, 22, 23. Cloudy.

7, 23, 40. Observed on wire 7.

10. G. M. T. of observation 8^h 16^m 39^s.16; seconds of Tab. R. A. 33^s.85.

13. Very faint at times; clouds passing.

14, 27. Correction for defective illumination +0^s.02.

18, 45. Observed on wire 13.

33. Observed on wire 5.

44. G. M. T. of observation 11^h 29^m 51^s.05; seconds of Tab. R. A. 18^s.00.

47. Very faint and cloudy.

50. Observed on wire 22.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION;

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of Collimation (Level) [Azimuth]	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and [Lossing Rate].	Correction for Passage of Semi-diameter.	Apparent R.A. of Centre from the Observation.
						r	h m s	"	s	s	s	s	m s	h m s
1906.														
Jan. 10	180°, r.	V	1	γ ² Ceti.....	9	19'500	2. 38. 2'97	+ 0'38	3'68	25'73	+21'99	+22'03		2. 38. 25'77
		V	2	Groombridge 2283 S.P....	10	15'373	3. 6. 26'26	(+ 1'97)	35'56	57'96	+22'33	[+ 0'53]		.....
		V	3	γ ¹ Arietis.....	10	19'500	3. 15. 25'44	[+ 11'80]	26'02	48'17	+22'08			3. 15. 48'12
		V	4	f ¹ Tauri.....	10	"	3. 25. 18'46		19'10	41'16	+21'98			3. 25. 41'21
		V	5	ε Eridani.....	5	"	3. 28. 7'28		8'07	30'28	+22'13			3. 28. 30'18
		V	6	11 Tauri.....	10	"	3. 34. 47'01		47'56	9'72	+22'08			3. 35. 9'67
		V	7	Jupiter 1 L.....	5	"	3. 37. 50'11		50'71				+ 1'56	3. 38. 14'38
		V	8	Jupiter 2 L.....	5	"	3. 37. 53'55		54'15				- 1'56	3. 38. 14'70
		V	9	ξ Geminorum.....	7	"	6. 39. 38'80		39'44	1'61	+22'02			6. 40. 1'62
		V	10	Cephei 51.....	10	17'940	6. 56. 46'82		40'15	1'81	+21'51			.....
		V	11	ζ Geminorum.....	10	19'500	6. 58. 10'10		10'68	32'84	+22'01			6. 58. 32'86
		V	12	Mösting A.....	8	"	7. 40		10'45					7. 40. 40'64
		V	13	δ 2 L.....	9	"	7. 41. 25'89		26'49				- 1. 7'78	7. 40. 40'91
Jan. 11	180°, r.	AC	14	⊙ 1 L.....	6	"	19. 26. 38'73	(+ 1'66)	39'58			+22'09	+ 1. 10'44	19. 28. 12'54
		AC	15	⊙ 2 L.....	9	"	19. 28. 59'66	[+ 11'41]	0'51			[+ 0'53]	- 1. 10'44	19. 28. 12'59
Jan. 13	180°, r.	AC	16	⊙ 1 L.....	6	"	19. 35. 17'80	(+ 2'22)	18'77			+23'15	+ 1. 10'29	19. 36. 52'68
		AC	17	Bradley 3147.....	8	20'814	23. 27. 27'77	(+ 1'32)	21'41	45'11	+23'14	[+ 0'57]		.....
		AC	18	ω Piscium.....	9	19'500	23. 54. 3'56	[+ 11'89]	4'31	28'08	+23'20			.....
		AC	19	2 Ceti.....	10	"	23. 58. 29'75		30'68	54'35	+23'10			.....
		V	20	ε Leonis.....	9	"	9. 40. 7'15		7'66	31'57	+23'68	+23'65		9. 40. 31'54
		V	21	μ Leonis.....	10	"	9. 47. 1'32		1'81	25'67	+23'63			9. 47. 25'69
		V	22	ν Leonis.....	10	"	9. 52. 46'11		46'71					9. 53. 10'59
		V	23	Regulus.....	10	"	10. 2. 58'04		58'65	22'51	+23'62			10. 3. 22'54
		V	24	γ ¹ Leonis.....	10	"	10. 14. 23'40		23'94	47'90	+23'72			10. 14. 47'83
		V	25	μ Hydrae.....	10	"	10. 21. 8'59		9'41	33'30	+23'64			10. 21. 33'31
		V	26	Mösting A.....	5	"	10. 28.		39'28					10. 29. 3'21
		V	27	δ 2 L.....	9	"	10. 29. 45'66		46'28				- 1. 6'91	10. 29. 3'28
		V	28	34 Sextantis.....	10	"	10. 37. 22'11		22'78	46'66	+23'63			10. 37. 46'68
Jan. 14	180°, r.	AC	29	Mösting A.....	9	"	11. 23.	(+ 1'81)	21'72			+24'42		11. 23. 45'28
		AC	30	δ 2 L.....	13	"	11. 24. 26'26	[+ 12'51]	26'97			[+ 0'56]	- 1. 6'57	11. 23. 45'10
		AC	31	Bradley 3147 S.P.....	8	19'856	11. 27. 12'01		19'87	44'53	+24'39			.....
		AC	32	ν Virginis.....	6	19'500	11. 40. 36'57		37'28					11. 41. 1'97
		AC	33	α Lyræ.....	5	"	18. 33. 18'12		18'56	43'41	+24'42			.....
Jan. 15	180°, r.	AC	34	⊙ 1 L.....	7	"	19. 43. 54'38	(+ 1'82)	55'25			+24'42	+ 1. 10'09	19. 45. 30'22
		AC	35	⊙ 2 L.....	9	"	19. 46. 14'57	[+ 11'71]	15'44			[+ 0'56]	- 1. 10'09	19. 45. 30'23
		V	36	ο Virginis.....	10	"	11. 59. 59'59	(+ 1'94)	0'26	25'27	+24'73	+24'74		.....
		V	37	ε Corvi.....	10	"	12. 4. 51'71	[+ 11'86]	52'60	17'60	+24'72	[+ 0'55]		.....
		V	38	Bradley 1672.....	10	16'492	12. 14. 9'50		58'47	23'48	+24'73			.....
		V	39	δ 2 L.....	13	19'500	12. 18. 43'93		44'65				- 1. 6'56	12. 18. 3'13
		V	40	8 ² Corvi.....	10	"	12. 24. 34'11		34'95	0'00	+24'77			.....
		V	41	β Corvi.....	10	"	12. 29. 1'07		1'06	26'98	+24'73			.....
		V	42	Piazzi XII. 142.....	9	"	12. 33. 8'80		9'52					12. 33. 34'55
		V	43	γ ¹ Virginis.....	8	"	12. 36. 27'72		28'46					12. 36. 53'49
		V	44	γ ² Virginis.....	7	"	12. 36. 28'04		28'78					12. 36. 53'81
Jan. 16	180°, r.	V	45	⊙ 1 L.....	6	"	19. 48. 11'68	(+ 1'80)	12'50			+24'74	+ 1. 10'00	19. 49. 47'69
		V	46	⊙ 2 L.....	1	"	19. 50. 31'92	[+ 11'09]	32'74			[+ 0'55]	- 1. 10'00	19. 49. 47'93
		AC	47	θ Virginis.....	14	"	13. 4. 38'22	(+ 2'22)	38'98	4'67	+25'40	+25'45		.....
		AC	48	Mösting A.....	8	"	13. 12.	[+ 11'62]	0'37			[+ 0'53]		13. 12. 35'18
		AC	49	Polaris S.P.....	10	19'749	13. 24. 40'86		57'95	23'63	+25'38			.....
		AC	50	8ο Virginis.....	11	19'500	13. 30. 10'94		11'70					13. 30. 37'45
		AC	51	Piazzi XIII. 174.....	7	"	13. 38. 33'87		34'63					13. 39. 0'38
		AC	52	η Bootis.....	10	"	13. 49. 45'57		46'17	11'89	+25'42			.....
		AC	53	α Lyræ.....	10	"	18. 33. 17'07		17'50	43'44	+25'53			.....
Jan. 17	180°, r.	AC	54	⊙ 1 L.....	7	"	19. 52. 28'38	(+ 1'94)	29'22			+25'45	+ 1. 9'91	19. 54. 5'02
								[+ 11'27]				[+ 0'53]		

2, 38. Observed on wire 13.

8. Correction for defective illumination +0'02.

10. Observed on wire 9.

12. G. M. T. of observation 12^h 22^m 6^s.99; seconds of Tab. R. A. 40'12.

17. Observed on wire 26.

26. G. M. T. of observation 14^h 58^m 22^s.19; seconds of Tab. R. A. 2'86.29. G. M. T. of observation 15^h 49^m 0^s.55; seconds of Tab. R. A. 44'77.

31. Observed on wire 7.

38, 39. Very faint and cloudy.

48. G. M. T. of observation 17^h 29^m 30^s.63; seconds of Tab. R. A. 34'85.

49. Observed on wire 16.

MONTH and DATE	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at Sideral.	Adopted Clock Slow at Sideral and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
								Collimation						
								(Level) [Azimuth]						
						r	h m s	"	s	s	s	s	m s	h m s
1906.								+ 0.38 (+ 1.94) [+ 11.27]						
Jan. 17	180°, r.	AC	1	⊙ 2 L.....	7	19.500	19. 54. 48.23		49.07			+25.45 [+ 0.53]	- 1. 9.91	19. 54. 5.05
Jan. 23	180°, r.	AC	2	Aldebaran.....	10	,,	4. 30. 2.20	+ 0.79	2.81	31.98	+29.07	+29.13		4. 30. 32.04
		AC	3	τ Tauri.....	10	,,	4. 36. 6.80	(+ 2.36)	7.37	36.60	+29.13	[+ 0.53]		4. 36. 36.60
		AC	4	μ Eridani.....	7	,,	4. 40. 18.57	[+ 10.30]	19.28	48.52	+29.14			4. 40. 48.51
		AC	5	δ Ursæ Minoris S.P.....	10	19.138	6. 1. 44.99		49.88	19.21	+29.20			.....
		AC	6	ν Geminorum.....	10	19.500	6. 22. 53.92		54.51	23.72	+29.07			6. 23. 23.78
		AC	7	γ Geminorum.....	5	,,	6. 32. 47.80		48.41	17.74	+29.19			6. 33. 17.68
		AC	8	ξ Geminorum.....	10	,,	6. 39. 31.75		32.37	1.66	+29.14			6. 40. 1.65
		AC	9	Cephei 51.....	10	20.060	6. 56. 36.74		32.25	1.66	+29.26			.....
Jan. 24	180°, r.	HF	10	Polaris.....	10	19.821	1. 24. 50.82	(+ 4.44)	46.52	16.14	+29.59	+29.57		.....
		HF	11	ν Piscium.....	10	19.500	1. 36. 1.46	[+ 9.36]	2.14	31.76	+29.58	[+ 0.53]		1. 36. 31.75
		HF	12	ο Piscium.....	10	,,	1. 39. 54.95		55.65	25.22	+29.53			1. 40. 25.26
		HF	13	δ Arietis.....	4	,,	3. 5. 44.77		45.44	15.13	+29.62			3. 6. 15.08
		HF	14	ι Tauri.....	10	,,	3. 34. 39.21		39.87	9.53	+29.58			3. 35. 9.52
		HF	15	Jupiter 1 L.....	6	,,	3. 36. 54.49		55.17				+ 1.50	3. 37. 26.32
		HF	16	Jupiter 2 L.....	6	,,	3. 36. 57.58		58.26				- 1.50	3. 37. 26.41
		HF	17	γ ¹ Eridani.....	7	,,	3. 53. 8.31		9.07	38.79	+29.63			3. 53. 38.73
		HF	18	ω ¹ Tauri.....	9	,,	4. 3. 11.32		11.99	41.57	+29.49			4. 3. 41.65
		HF	19	ε Tauri.....	10	,,	4. 22. 37.67		38.34	7.98	+29.54			4. 23. 8.01
Jan. 25	180°, r.	AC	20	λ Ursæ Minoris S.P.....	7	20.253	7. 14. 11.86	(+ 5.61)	11.51	41.86	+30.19	+30.18		.....
		AC	21	β Canis Minoris.....	10	19.500	7. 21. 33.11	[+ 7.91]	33.81	4.11	+30.14	[+ 0.53]		.....
		AC	22	Castor.....	10	,,	7. 28. 6.16		6.85	37.20	+30.19			.....
		AC	23	Procyon.....	10	,,	7. 33. 52.79		53.49	23.82	+30.16			.....
		AC	24	Pollux.....	6	19.500	7. 39. 3.75		4.44	34.86	+30.25			.....
Jan. 31	180°, r.	HF	25	α Arietis.....	9	,,	2. 1. 18.28	+ 0.29	18.67	51.93	+33.22	+33.19		.....
		HF	26	δ 1 L.....	10	,,	2. 5. 56.79	(+ 0.61)	57.29			[+ 0.53]	+ 1. 1.72	2. 7. 32.25
		HF	27	67 Ceti.....	10	,,	2. 11. 43.34	[+ 9.41]	43.92	17.15	+33.18			.....
		HF	28	ξ ² Ceti..... R.	4	,,	2. 22. 35.57		36.00	9.22	+33.17			.....
		HF	29	ξ ² Ceti.....	5	,,	2. 22. 35.48		35.97	9.22	+33.20			.....
Feb. 2	180°, r.	AC	30	Mösting A.....	8	,,	3. 42.	(+ 1.04)	32.44			+34.43		3. 43. 7.95
		AC	31	δ 1 L.....	10	,,	3. 41. 29.73	[+ 9.95]	30.22			[+ 0.51]	+ 1. 3.34	3. 43. 8.06
		AC	32	Piazzi III. 249.....	10	,,	4. 2. 1.62		2.09					4. 2. 36.61
Feb. 3	180°, r.	V	33	⊙ 1 L.....	8	,,	21. 3. 16.80	(- 0.70) [+ 7.77]	17.30			+34.28 [+ 0.51]	+ 1. 8.09	21. 5. 0.12
		AC	34	η Tauri.....	13	,,	3. 41. 18.49	(+ 0.25)	18.73	53.78	+34.97	+34.94		.....
		AC	35	γ ¹ Eridani.....	13	,,	3. 53. 3.04	[+ 8.97]	3.63	38.64	+34.93			.....
		AC	36	α ¹ Tauri.....	15	,,	3. 58. 32.97		33.33	8.33	+34.91			.....
		V	37	ω ¹ Tauri.....	10	,,	4. 3. 6.23		6.61	41.43	+34.73	+34.79		4. 3. 41.49
		V	38	μ Eridani.....	11	,,	4. 40. 12.93		13.45	48.39	+34.84			4. 40. 48.34
		V	39	ε Leporis.....	9	,,	5. 0. 53.83		54.48	29.36	+34.77			5. 1. 29.38
		V	40	Rigel.....	5	,,	5. 9. 26.17		26.72	1.67	+34.84			5. 10. 1.62
		V	41	β Tauri.....	7	,,	5. 19. 46.27		46.58	21.53	+34.84			5. 20. 21.48
		V	42	α Leporis.....	10	,,	5. 28. 0.09		0.71	35.61	+34.78			5. 28. 35.62
		V	43	ε Orionis.....	10	,,	5. 30. 51.76		52.27	27.15	+34.76			5. 31. 27.18
Feb. 5	180°, r.	HF	44	Polaris.....	4	18.506	1. 24. 42.35	+ 0.99	28.77	3.74	+34.94	+35.78		.....
		HF	45	ε Arietis.....	7	19.500	2. 53. 13.57	(+ 0.49)	14.00	49.87	+35.81	[+ 0.49]		2. 53. 49.84
		HF	46	α Ceti.....	10	,,	2. 56. 45.24	[+ 9.27]	45.78	21.60	+35.76			2. 57. 21.62
		HF	47	Groombridge 2283 S.P.....	6	19.168	3. 6. 27.64		35.10	10.83	+35.67			.....
		HF	48	τ ¹ Arietis.....	5	19.500	3. 15. 11.57		12.00	47.79	+35.72			3. 15. 47.85
		HF	49	Jupiter 1 L.....	6	,,	3. 38. 17.93		18.38				+ 1.44	3. 38. 55.67
		HF	50	Jupiter 2 L.....	6	,,	3. 38. 20.91		21.36				- 1.44	3. 38. 55.77
		HF	51	ω ¹ Tauri.....	9	,,	4. 3. 5.14		5.58	41.40	+35.74			4. 3. 41.44

5. Observed on wire 11.

9. Observed on wire 13.

10. Observed on wire 19.

16. Correction for defective illumination +0.02.

20. Observed on wire 5.

30. G. M. T. of observation 6^h 54^m 54^s.27; seconds of Tab. R. A. 7^s.45.

44. Observed on wire 8.

44, 45, 47. Cloudy.

47. Observed on wire 14.

50. Correction for defective illumination +0.03.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1908GOAMM.

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at o ^h Sidereal.	Adopted Clock Slow at o ^h Sidereal and [Losing Rate].	Correction for Passage of Semi-diameter.	Apparent R.A. of Centre from the Observation.
								Collimation						
								(Level) [Azimuth].						
						r	h m s	"	s	s	s	s	m s	h m s
1906.														
Feb. 5	180°, r.	HF	1	χ ² Orionis	10	19'565	5. 48. 47'09	+ 0'99	47'53			+35'78		5. 49. 23'43
		HF	2	χ ³ Orionis.....	10	"	5. 57. 17'81	(+ 0'49)	18'25			[+ 0'49]		5. 57. 54'15
		HF	3	ν Orionis.....	9	"	6. 1. 36'56	[+ 9'27]	37'03	12'93	+35'78			6. 2. 12'93
		HF	4	δ Ursæ Minoris S.P.....	10	18'874	6. 1. 40'72		46'17	21'96	+35'67			.....
		HF	5	η Geminorum.....	10	19'500	6. 8. 36'58		37'00	12'91	+35'78			6. 9. 12'91
		HF	6	δ 1 L.	11	"	6. 18. 6'34		6'79				+1. 7'05	6. 19. 49'73
		HF	7	Mösting A.	10	"	6. 18.		58'91					6. 19. 49'03
		HF	8	ν Geminorum	10	"	6. 22. 47'26		47'70	23'66	+35'83			6. 23. 23'61
Feb. 7	180°, r.	HF	9	⊙ 1 L.	5	"	21. 19. 21'98	(+ 0'95)	22'73			+36'23	+1. 7'60	21. 21. 7'02
		HF	10	⊙ 2 L.	10	"	21. 21. 37'16	[+10'41]	37'91			[+ 0'52]	-1. 7'60	21. 21. 7'00
		HF	11	Polaris	10	18'498	1. 24. 39'07	(+ 0'83)	24'43	1'76	+37'30			.....
		HF	12	η Piscium.....	10	19'500	1. 25. 49'04	[+10'26]	49'58	26'36	+36'75			.....
		V	13	ι Aurigæ.....	10	"	4. 50. 15'48		15'88	52'65	+36'67		+36'64	4. 50. 52'62
		V	14	Rigel	10	"	5. 9. 24'21		24'91	1'62	+36'60			5. 10. 1'66
		V	15	β Tauri.....	10	"	5. 19. 44'24		44'68	21'47	+36'68			5. 20. 21'44
		V	16	δ Orionis.....	10	"	5. 26. 35'33		35'97	12'72	+36'63			5. 27. 12'73
		V	17	ε Orionis.....	5	"	5. 30. 49'74		50'39	27'10	+36'59			5. 31. 27'15
		V	18	κ Orionis.....	10	"	5. 42. 41'05		41'75	18'47	+36'60			5. 43. 18'51
		V	19	α Orionis.....	10	"	5. 49. 28'23		28'82	5'55	+36'60			5. 50. 5'59
		V	20	δ Ursæ Minoris S.P.....	10	20'660	6. 1. 38'83		44'74	22'34	+37'47			.....
		V	21	η Geminorum.....	8	19'500	6. 8. 35'60		36'09	12'90	+36'68			6. 9. 12'86
		V	22	Groombridge 1119.....	10	17'064	8. 4. 56'45		40'32	17'49	+37'00			.....
		V	23	ρ Argûs.....	10	19'500	8. 2. 56'09		56'90	33'69	+36'62			8. 3. 33'71
		V	24	δ 1 L.	12	"	8. 11. 7'46		7'98				+1. 8'25	8. 12. 53'04
		V	25	Mösting A.	11	"	8. 12.		14'42					8. 12. 52'87
		V	26	α ¹ Cancri.....	9	"	8. 17. 22'53		23'04	59'92	+36'70			8. 17. 59'86
Feb. 8	180°, r.	AC	27	δ Ursæ Minoris S.P.....	10	20'697	6. 1. 39'58	(+ 0'51)	43'99	22'63	+38'51		+37'41	.....
		AC	28	γ Geminorum.....	7	19'500	6. 31. 39'66	[+ 7'89]	40'07	17'66	+37'45		[+ 0'53]	.....
		AC	29	Neptune.....	8	"	6. 34. 0'04		0'42					6. 34. 37'97
		AC	30	ξ Geminorum.....	11	"	6. 39. 23'62		24'05	1'58	+37'38			.....
		AC	31	θ Canis Majoris.....	9	"	6. 49. 12'14		12'70	50'21	+37'36			.....
		AC	32	ε Canis Majoris.....	3	"	6. 54. 18'73		19'41	56'97	+37'41			.....
		AC	33	Cephei 51.....	10	19'504	6. 56. 26'78		22'40	59'36	+36'81			.....
		AC	34	Groombridge 1119.....	8	19'451	8. 4. 50'22		38'21	17'37	+38'98			.....
		AC	35	β Cancri.....	10	19'500	8. 10. 48'00		48'45	26'07	+37'44			.....
		AC	36	δ 1 L.	8	"	9. 8. 29'17		29'59				+1. 8'20	9. 10. 15'40
Feb. 9	180°, r.	V	37	Polaris	10	17'635	1. 24. 35'42	(+ 0'39)	21'98	59'64	+37'63		+37'78	.....
		V	38	η Piscium.....	10	19'500	1. 25. 48'04	[+ 9'07]	48'49	26'33	+37'81		[+ 0'53]	1. 26. 26'30
		V	39	Jupiter 1 L.	6	"	3. 39. 11'33	(+ 0'34)	11'76				+	3. 39. 51'03
		V	40	Jupiter 2 L.	6	"	3. 39. 14'32	[+ 9'00]	14'75				-	3. 39. 51'20
		V	41	γ Tauri.....R.	5	"	4. 13. 48'37		48'78	26'68	+37'81			4. 14. 26'65
		V	42	γ Tauri.....	5	"	4. 13. 48'31		48'76	26'68	+37'83			4. 14. 26'63
		V	43	ε Tauri.....	10	"	4. 22. 29'42		29'85	7'77	+37'82			4. 23. 7'73
		V	44	μ Eridani.....	10	"	4. 40. 9'86		10'43	48'30	+37'77			4. 40. 48'31
		V	45	ζ Draconis S.P.....R.	5	"	5. 7. 50'07		51'23					17. 8. 29'12
		V	46	ζ Draconis S.P.....	7	"	5. 7. 49'96		51'07					17. 8. 28'96
		V	47	α Leporis.....	10	"	5. 27. 57'00		57'66	35'53	+37'75			5. 28. 35'56
		V	48	α Orionis.....	9	"	5. 49. 27'17		27'68	5'53	+37'72			5. 50. 5'59
		V	49	1 Geminorum.....	10	"	5. 57. 46'69		47'09	25'00	+37'78			5. 58. 25'00
		V	50	ν Orionis.....	10	"	6. 1. 34'51		34'97	12'89	+37'79			6. 2. 12'88
		V	51	δ Ursæ Minoris S.P.....	9	16'730	6. 1. 39'83		45'20	22'89	+37'56			.....
		V	52	γ Geminorum.....	10	19'500	6. 31. 39'31		39'76	17'66	+37'76			6. 32. 17'68
Feb. 11	180°, r.	AC	53	ν Virginis.....	10	"	11. 40. 22'68	(+ 3'83)	23'49	2'47	+38'74		+38'82	.....
		AC	54	π Virginis.....	6	"	11. 55. 24'64	[+11'90]	(25'45)	4'10			[+ 0'50]	.....
		AC	55	δ 2 L.	13	"	12. 0. 4'47		5'30				-1. 7'28	11. 59. 37'11

4. Observed on wire 11; cloudy.
 7. G. M. T. of observation 9^h 19^m 38^s.79; seconds of Tab. R. A. 48^s.40.
 11, 20. Observed on wire 14.
 13. Very faint; foggy.
 22, 37, 51. Observed on wire 13.
 25. G. M. T. of observation 11^h 4^m 14^s.83; seconds of Tab. R. A. 52^s.37.

27. Observed on wire 7.
 33. Observed on wire 20.
 34. Observed on wire 16.
 40. Correction for defective illumination +0^s.03.
 53. ν Virginis, though not a clock-star, has been used for Clock Error.
 54. Very faint.

MONTH and DAY	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of Collimation (Level) (Azimuth).	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and (Losing Rate).	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
						r	h m s	"	s	s	s	s	m s	h m s
1906.														
Feb. 12	180°, r.	AC	1	⊙ 1 L.....	9	19'500	21. 40. 10'08	+ 0'99	10'95			+38'82	+1. 7'04	21. 41. 57'26
		AC	2	⊙ 2 L.....	8	"	21. 42. 24'11	[+11'28]	24'98			[+ 0'50]	-1. 7'04	21. 41. 57'21
		AC	3	α Arietis.....	10	"	2. 1. 11'63	[+ 3'15]	12'30	51'74	+39'40	+39'32		.....
		HF	4	Bradley 1672.....	10	19'522	12. 14. 7'43	[+11'04]	0'77	41'03	+40'01	+39'18		.....
		HF	5	δ ² Corvi.....	10	19'500	12. 24. 20'45		21'32	0'76	+39'18	[+ 0'50]		.....
		HF	6	β Corvi.....	10	"	12. 28. 47'42		48'33	27'76	+39'17			.....
		HF	7	γ Virginis.....	10	"	12. 42. 24'59		25'35	4'80	+39'19			.....
		HF	8	31 Comæ.....	10	"	12. 46. 27'62		28'24	7'72	+39'21			.....
		HF	9	δ Virginis.....	10	"	12. 50. 12'49		13'25	52'63	+39'11			.....
		HF	10	Mösting A.....	6	"	12. 54.		20'70					12. 55. 14'93
		HF	11	δ 2 L.....	12	"	12. 55. 42'65		43'44				-1. 7'37	12. 55. 15'54
Feb. 13	180°, r.	HF	12	⊙ 1 L.....	6	"	21. 43. 5'52	(+ 2'90)	6'32			+39'18	+1. 6'93	21. 44. 52'88
		HF	13	⊙ 2 L.....	6	"	21. 45. 19'38	[+10'74]	20'18			[+ 0'50]	-1. 6'93	21. 44. 52'88
Feb. 14	180°, r.	V	14	⊙ 1 L.....	7	"	21. 47. 0'10	(+ 2'07)	0'79			+39'89	+1. 6'82	21. 48. 47'95
		V	15	⊙ 2 L.....	8	"	21. 49. 13'74	[+ 9'69]	14'43			[+ 0'50]	-1. 6'82	21. 48. 47'95
		V	16	β Andromedæ.....	10	"	1. 3. 46'22		46'64	27'05	+40'39	+40'39		.....
		V	17	Polaris.....	10	13'830	1. 24. 27'18		15'08	54'68	+39'57			.....
Feb. 20	180°, r.	V	18	⊙ 1 L.....	8	19'500	22. 10. 12'67	+ 0'23	13'44			+42'76	+1. 6'21	22. 12. 2'93
		V	19	⊙ 2 L.....	8	"	22. 12. 25'07	(+ 2'51)	25'84			[+ 0'56]	-1. 6'21	22. 12. 2'91
		V	20	Jupiter 1 L.....	6	"	3. 42. 40'54	(+ 2'62)	41'15			+43'32	+ 1'37	3. 43. 25'93
		V	21	Jupiter 2 L.....	6	"	3. 42. 43'52	[+11'33]	44'13				- 1'37	3. 43. 26'17
		V	22	ε Tauri.....	9	"	4. 22. 23'53		24'14	7'57	+43'33			4. 23. 7'56
		V	23	τ Tauri.....	10	"	4. 35. 52'18		52'76	36'19	+43'32			4. 36. 36'19
		V	24	μ Eridani.....	10	"	4. 40. 4'00		4'74	48'12	+43'27			4. 40. 48'17
		V	25	ε Ursæ Minoris S.P.....R.	3	"	4. 54. 43'90		48'70					16. 55. 32'13
		V	26	ε Ursæ Minoris S.P.....R.	4	"	4. 54. 45'22		48'24					16. 55. 31'67
		V	27	ζ Draconis S.P.....R.	5	"	5. 7. 44'22		46'02					17. 8. 29'46
		V	28	ζ Draconis S.P.....R.	3	"	5. 7. 44'90		46'30					17. 8. 29'74
		V	29	α Leporis.....	3	"	5. 27. 51'05		51'88	35'35	+43'34			5. 28. 35'33
		V	30	ζ Leporis.....R.	4	"	5. 41. 58'14		58'81					5. 42. 42'26
		V	31	ζ Leporis.....	7	"	5. 41. 57'96		58'77					5. 42. 42'22
		V	32	α Orionis.....	7	"	5. 49. 21'24		21'92	5'38	+43'32			5. 50. 5'38
		V	33	δ Ursæ Minoris S.P.....	10	19'744	6. 1. 36'33		42'40	26'05	+43'51			
		V	34	γ Geminorum.....	10	19'500	6. 8. 28'64		29'22	12'74	+43'38			6. 9. 12'68
		V	35	Neptune.....	10	"	6. 33. 0'58		1'17					6. 33. 44'64
		V	36	ε Geminorum.....	9	"	6. 39. 17'35		18'00	1'47	+43'32			6. 40. 1'48
		V	37	Cephei 51.....	10	14'169	6. 56. 18'52		12'71	56'33	+43'46			.....
Feb. 21	180°, r.	HF	38	⊙ 1 L.....	6	19'500	22. 14. 2'56	(+ 2'71)	3'31			+43'35	+1. 6'11	22. 15. 53'27
		HF	39	⊙ 2 L.....	7	"	22. 16. 14'64	[+10'74]	15'39			[+ 0'54]	-1. 6'11	22. 15. 53'13
		HF	40	β Andromedæ.....	10	"	1. 3. 42'50	(+ 3'38)	42'98	26'95	+43'95	+43'89		1. 4. 26'89
		HF	41	Polaris.....	10	18'738	1. 24. 18'42	[+11'58]	5'32	48'85	+43'50			.....
		HF	42	α Ceti.....	10	19'500	2. 56. 36'68		37'42	21'35	+43'86			2. 57. 21'38
		HF	43	δ Arietis.....R.	2	"	3. 5. 30'51		30'77	14'68	+43'84			3. 6. 14'73
		HF	44	τ ¹ Arietis.....R.	4	"	3. 15. 3'36		3'59	47'51	+43'85			3. 15. 47'55
		HF	45	τ ¹ Arietis.....	5	"	3. 15. 2'89		3'53	47'51	+43'91			3. 15. 47'49
		HF	46	11 Tauri.....	5	"	3. 34. 24'43		25'05	9'06	+43'93			3. 35. 9'02
		HF	47	Jupiter 1 L.....	6	"	3. 43. 3'89		4'55				+ 1'37	3. 43. 49'89
		HF	48	Jupiter 2 L.....	6	"	3. 43. 6'69		7'35				- 1'37	3. 43. 49'95
		HF	49	μ Geminorum.....	9	"	6. 16. 32'38		33'01	16'97	+43'82			6. 17. 17'04
		HF	50	γ Geminorum.....	10	"	6. 31. 32'91		33'58	17'52	+43'79			6. 32. 17'62
		HF	51	Neptune.....	7	"	6. 32. 56'45		57'09					6. 33. 41'13
		HF	52	θ Canis Majoris.....	10	"	6. 49. 5'39		6'21	50'07	+43'71			6. 49. 50'25
		HF	53	Cephei 51.....	10	19'779	6. 56. 17'08		11'92	56'06	+43'98			.....
Feb. 22	180°, r.	AO	54	⊙ 1 L.....	7	19'500	22. 17. 51'54	(+ 3'99)	52'22			+43'87	+1. 6'02	22. 19. 42'57
		AO	55	⊙ 2 L.....	8	"	22. 20. 3'54	[+ 8'85]	4'22			[+ 0'50]	-1. 6'02	22. 19. 42'54

4. 33. Observed on wire 14.

10. G. M. T. of observation 15^h 25^m 57^s.97; seconds of Tab. R. A. 14^h 56^m 4.

12. Limbs very indistinct and cloudy.

17. 53. Observed on wire 7.

21. 48. Correction for defective illumination + 0^s.03.

37. 41. Observed on wire 8.

1908GAMM. 68D8. 1C

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of Collimation (Level) [Azimuth]	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and (Loss Rate).	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
						r	h m s	"	s	s	s	s	m s	h m s
1906.														
Feb. 22	180°, r.	AC	1	ξ Geminorum.....	10	19'500	6. 39. 16'23	+ 0'23	16'93	1'44	+44'37	+44'37		.....
		AC	2	Cephei 51.....	10	19'064	6. 56. 13'46	(+ 4'82) [+ 9'88]	11'25	55'75	+44'35	[+ 0'50]		.....
Feb. 23	180°, r.	V	3	δ Ursæ Minoris S.P.....	10	16'100	6. 1. 39'67	+ 0'77	41'89	27'02	+45'01	+44'82		.....
		V	4	η Geminorum.....	9	19'500	6. 8. 26'89	(+ 6'22) [+ 11'05]	27'71	12'69	+44'85	[+ 0'49]		6. 9. 12'66
		V	5	μ Geminorum.....	7	"	6. 16. 31'17		31'99	16'94	+44'82			6. 17. 16'94
		V	6	β Canis Majoris.....	9	"	6. 17. 48'33		49'25	34'17	+44'79			6. 18. 34'20
		V	7	γ Geminorum.....	7	"	6. 31. 31'67		32'51	17'49	+44'85			6. 32. 17'46
		V	8	ξ Geminorum.....	10	"	6. 39. 15'62		16'47	1'43	+44'82			6. 40. 1'43
		V	9	Cephei 51.....	10	19'001	6. 56. 11'03		10'17	55'42	+45'11			.....
		V	10	ζ Geminorum.....	7	19'500	6. 57. 46'91		47'74	32'72	+44'84			6. 58. 32'70
		V	11	γ Canis Majoris.....	7	"	6. 58. 45'24		46'16	31'10	+44'80			6. 59. 31'12
		V	12	51 Geminorum.....	10	"	7. 7. 13'37		14'21	59'16	+44'81			7. 7. 59'18
		V	13	λ Ursæ Minoris S.P.....	10	19'125	7. 14. 6'59		12'14	57'23	+44'94			.....
Feb. 24	180°, r.	V	14	⊙ 1 L.....	6	19'500	22. 25. 27'67	(+ 6'69) [+ 11'65]	28'63			+44'82	+1. 5'84	22. 27. 19'75
		V	15	⊙ 2 L.....	8	"	22. 27. 39'33		40'29			[+ 0'49]	-1. 5'84	22. 27. 19'73
Mar. 3	180°, d.	AC	16	⊙ 1 L.....	5	"	22. 51. 46'23	- 1'36 (+ 7'79) [+ 8'69]	46'92			+48'45	+1. 5'29	22. 53. 41'12
		AC	17	⊙ 2 L.....	9	"	22. 53. 56'81		57'50			[+ 0'48]	-1. 5'29	22. 53. 41'12
		AC	18	Δ 1 L.....	10	"	5. 0. 47'29	(+ 7'97) [+ 8'91]	48'00			+48'93	+1. 4'99	5. 2. 42'03
		AC	19	Mösting A.....	10	"	5. 1.		55'15					5. 2. 42'04
		AC	20	119 Tauri.....	10	"	5. 25. 52'34		53'05					5. 26. 42'09
		AC	21	ζ Tauri.....	11	"	5. 31. 11'89		12'60					5. 32. 1'64
		AC	22	κ Orionis.....	10	"	5. 42. 28'29		28'99	18'10	+49'00			5. 43. 18'03
		AC	23	1 Geminorum.....	10	"	5. 57. 34'84		35'55	24'66	+48'99			5. 58. 24'60
		AC	24	δ Ursæ Minoris S.P.....	10	18'846	6. 1. 35'39		36'93	29'85	+52'80			.....
		AC	25	ξ Argûs.....	10	19'500	7. 44. 31'69		32'37	21'40	+48'88			7. 45. 21'45
		AC	26	Groombridge 1119.....	9	20'708	8. 4. 15'71		14'18	6'00	+51'66			.....
		AC	27	β Cancri.....	8	19'500	8. 10. 36'24		36'96	25'95	+48'83			8. 11. 26'05
		AC	28	Lalande 40304 S.P....R.	5	"	8. 39. 7'18		10'98					20. 40. 0'08
		AC	29	Lalande 40304 S.P....D.	7	"	8. 39. 9'86		10'85					20. 39. 59'95
		AC	30	μ Leonis.....	10	"	9. 46. 36'37		37'09	26'26	+48'97			9. 47. 26'22
		AC	31	π Leonis.....	10	"	9. 54. 26'08		26'79	15'89	+48'90			9. 55. 15'92
Mar. 5	180°, d.	V	32	Δ 1 L.....	9	"	6. 47. 47'19	(+ 9'32) [+ 6'63]	47'97			+49'71	+1. 7'19	6. 49. 45'02
		V	33	Cephei 51.....	10	17'098	6. 55. 57'37		1'97	51'86	+49'75	[+ 0'48]		.....
		V	34	ζ Geminorum.....	10	19'500	6. 57. 41'95		42'74	32'58	+49'70			6. 58. 32'59
		V	35	51 Geminorum.....	10	"	7. 7. 8'36		9'13	59'02	+49'75			7. 7. 58'98
		V	36	δ Geminorum.....	10	"	7. 13. 40'54		41'33	31'19	+49'72			7. 14. 31'18
		V	37	56 Geminorum.....	10	"	7. 15. 34'09		34'88					7. 16. 24'73
		V	38	61 Geminorum.....	10	"	7. 20. 33'95		34'74					7. 21. 24'60
		V	39	O.A. (N.) 20021-2 S.P.R.	3	"	8. 0. 6'13		8'47					20. 0. 58'34
		V	40	O.A. (N.) 20021-2 S.P....	6	"	8. 0. 8'31		8'47					20. 0. 58'34
		V	41	β Cancri.....R.	5	"	8. 10. 36'20		36'02	25'93	+49'75			8. 11. 25'89
		V	42	β Cancri.....	4	"	8. 10. 35'30		36'05	25'93	+49'72			8. 11. 25'92
Mar. 6	180°, d.	AC	43	γ Geminorum.....	5	"	6. 31. 26'02	- 0'33 (+ 9'81) [+ 9'04]	26'92	17'32	+50'27	+50'24		6. 32. 17'29
		AC	44	Cephei 51.....	10	19'502	6. 55. 57'83		1'07	51'53	+50'32	[+ 0'48]		.....
		AC	45	51 Geminorum.....	10	19'500	7. 7. 7'69		8'59	59'01	+50'28			7. 7. 58'97
		AC	46	56 Geminorum.....	10	"	7. 15. 33'39		34'30					7. 16. 24'68
		AC	47	61 Geminorum.....	10	"	7. 20. 33'25		34'16					7. 21. 24'55
		AC	48	Δ 1 L.....	10	"	7. 43. 39'16		40'07				+1. 7'90	7. 45. 38'37
		AC	49	Mösting A.....	10	"	7. 44.		42'65					7. 45. 38'19
		AC	50	6 Cancri.....	10	"	7. 56. 54'23		55'15	45'56	+50'25			7. 57. 45'55
		AC	51	Groombridge 1119.....	8	19'447	8. 4. 6'73		13'71	4'06	+50'19			.....
		AC	52	ζ Cancri (as one mass)...	8	19'500	8. 5. 58'85		59'75					8. 6. 50'15
		AC	53	δ ¹ Cancri.....	10	"	8. 17. 8'48		9'39	59'79	+50'23			8. 17. 59'80
		AC	54	83 Cancri.....	4	"	9. 12. 53'89		54'79	45'17	+50'20			9. 13. 45'21
		AC	55	ξ Leonis.....	10	"	9. 26. 2'57		3'46	53'84	+50'19			9. 26. 53'89

1, 4. Very faint.
2. Observed on wire 11.
3. Observed on wire 13.
9, 24. Observed on wire 12.

13. Observed on wire 14.
19. G. M. T. of observation 6^h 20^m 17^s.13; seconds of Tab. R. A. 41^s.59.
26. Observed on wire 21.
32. Limbs rugged; cloudy.

33. Observed on wire 10.
44. Observed on wire 16.
49. G. M. T. of observation 8^h 50^m 51^s.60; seconds of Tab. R. A. 37^s.52.
51. Observed on wire 15.

MON. and DAY.	Position of Instrument.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow at Sidereal.	Adopted Clock Slow at Sidereal and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
								Collimation						
								(Level) [Azimuth].						
						r	h m s	"	s	s	s	s	m s	h m s
1906.								- 0'33						
Mar. 7	180° d.	HF	1	β Tauri.....	10	19'500	5. 19. 29'17	(+ 11'14)	30'14	20'97	+ 50'72	+ 50'68		5. 20. 20'93
		HF	2	δ Orionis.....	6	"	5. 26. 20'63	[+ 7'45]	21'46	12'28	+ 50'71	[+ 0'50]		5. 27. 12'25
		HF	3	κ Orionis.....	6	"	5. 42. 26'39		27'17	18'02	+ 50'73			5. 43. 17'97
		HF	4	δ Ursæ Minoris S.P.....	9	19'296	6. 1. 43'86		40'46	31'15	+ 50'56			.....
		HF	5	γ Geminorum.....	10	19'500	6. 31. 25'53		26'44	17'30	+ 50'72			6. 32. 17'26
		HF	6	Neptune.....	9	"	6. 32. 11'98		12'92					6. 33. 3'74
		HF	7	ξ Geminorum.....	10	"	6. 39. 9'51		10'40	1'24	+ 50'70			6. 40. 1'22
		HF	8	Cephei 51.....	9	19'746	6. 55. 54'57		0'56	51'19	+ 50'48			.....
		HF	9	ξ Argûs.....	10	19'500	7. 44. 29'85		30'56	21'34	+ 50'62			7. 45. 21'40
		HF	10	δ Cancri.....	10	"	7. 56. 53'78		54'74	45'55	+ 50'64			7. 57. 45'59
		HF	11	ζ Cancri (as one mass)...	6	"	8. 5. 58'42		59'34					8. 6. 50'19
		HF	12	β Cancri.....	10	"	8. 10. 34'18		35'06	25'90	+ 50'67			8. 11. 25'91
		HF	13	α^1 Cancri.....	10	"	8. 17. 8'09		9'01	59'77	+ 50'59			8. 17. 59'86
		HF	14	D 1 L.....	11	"	8. 40. 29'14		30'05				+ 1. 8'25	8. 42. 29'17
Mar. 8	180° d.	HF	15	δ Cancri.....	10	"	9. 12. 53'01	(+ 9'81)	53'88	45'15	+ 51'09	+ 51'02		.....
		HF	16	Groombridge 3548 S.P....	10	17'861	9. 17. 22'77	[+ 8'38]	13'86	12'44	+ 48'39	[+ 0'48]		.....
		HF	17	α Hydræ.....	9	19'500	9. 22. 7'24		8'04	59'21	+ 50'98			.....
		HF	18	D 1 L.....	12	"	9. 37. 45'07		45'93				+ 1. 8'31	9. 39. 45'46
		HF	19	Mösting A.....	9	"	9. 38.		34'60					9. 39. 44'74
		HF	20	μ Leonis.....	10	"	9. 46. 34'04		34'94	26'24	+ 51'10			.....
Mar. 9	180° d.	V	21	δ Ursæ Minoris S.P.....	10	20'173	6. 1. 39'43	(+ 8'32)	40'29	31'86	+ 51'45	+ 51'45		.....
		V	22	γ Draconis S.P.....R.	3	19'500	6. 12. 26'93	[+ 9'93]	28'90			[+ 0'48]		18. 13. 20'47
		V	23	γ Draconis S.P.....	9	"	6. 12. 27'99		28'85					18. 13. 20'42
		V	24	ϵ Canis Majoris.....	10	"	6. 54. 4'15		4'97	56'49	+ 51'38			6. 54. 56'56
		V	25	Cephei 51.....	10	20'362	6. 55. 57'95		58'81	50'45	+ 51'50			.....
		V	26	ζ Geminorum.....	9	19'500	6. 57. 40'03		40'88	32'52	+ 51'50			6. 58. 32'47
		V	27	γ Canis Majoris.....	10	"	6. 58. 38'42		39'25	30'88	+ 51'56			6. 59. 30'84
		V	28	γ Geminorum.....	10	"	7. 7. 6'46		7'31	58'97	+ 51'52			7. 7. 58'90
		V	29	λ Ursæ Minoris S.P.....	10	20'707	7. 14. 18'07		18'92	10'55	+ 51'49			.....
		V	30	Castor.....	10	19'500	7. 27. 44'44		45'29	36'88	+ 51'44			7. 28. 36'89
		V	31	Regulus.....	10	"	10. 2. 30'60		31'45	23'11	+ 51'46			10. 3. 23'10
		V	32	γ Leonis.....	9	"	10. 10. 46'64		47'49					10. 11. 39'14
		V	33	μ Hydræ.....	10	"	10. 20. 41'47		42'30	33'92	+ 51'41			10. 21. 33'96
		V	34	ρ Leonis.....	10	"	10. 27. 0'35		1'20	52'87	+ 51'46			10. 27. 52'86
		V	35	D 1 L.....	10	"	10. 35. 2'61		3'46				+ 1. 8'22	10. 37. 3'35
Mar. 11	180° d.	V	36	Bradley 1672.....	10	18'766	12. 13. 56'45	(+ 7'94)	57'69	50'70	+ 52'77	+ 52'42		.....
		V	37	δ^2 Corvi.....	10	19'500	12. 24. 7'80	[+ 9'15]	8'58	1'22	+ 52'39	[+ 0'48]		12. 25. 1'25
		V	38	D 2 L.....	9	"	12. 31. 42'93		43'72				- 1. 8'30	12. 31. 28'11
		V	39	γ Virginis.....	10	"	12. 42. 11'75		12'54	5'30	+ 52'51			12. 43. 5'21
		V	40	γ Comæ.....	10	"	12. 46. 14'76		15'56	8'27	+ 52'45			12. 47. 8'24
		V	41	δ Virginis.....	10	"	12. 49. 59'69		60'48	53'13	+ 52'39			12. 50. 53'16
		V	42	θ Virginis.....	10	"	13. 4. 12'53		13'32	5'98	+ 52'40			13. 5. 6'00
		V	43	δ Virginis.....	10	"	13. 17. 34'11		34'90					13. 18. 27'59
		V	44	Spica.....	10	"	13. 19. 22'03		22'81	15'47	+ 52'39			13. 20. 15'50
		V	45	Polaris S.P.....	10	19'442	13. 23. 42'21		43'38	35'41	+ 51'76			.....
Mar. 13	180° d.	HF	46	$\odot$ 1 L.....	5	19'500	23. 28. 40'61							.....
		HF	47	$\odot$ 2 L.....	13	"	23. 30. 49'91							.....
Mar. 16	180° d.	AC	48	σ Ophiuchi.....	10	"	17. 20. 54'76	- 1'21	55'53	51'07	+ 55'16	+ 55'12		.....
		AC	49	Mösting A.....	5	"	17. 27.	(+ 8'10)	33'95			[+ 0'52]		17. 28. 10'97
		AC	50	D 2 L.....	15	"	17. 28. 24'76	[+ 9'86]	25'52				- 1. 10'83	17. 28. 10'22
		AC	51	β Ophiuchi.....	15	"	17. 37. 53'44		54'21	49'67	+ 55'08			.....
		AC	52	δ Ursæ Minoris.....	8	19'453	18. 1. 39'47		39'19	34'65	+ 55'07			.....
		AC	53	α Lyrae.....	10	19'500	18. 32. 48'70		49'46	44'99	+ 55'13			.....
Mar. 17	180° d.	AC	54	$\odot$ 1 L.....	6	"	23. 43. 16'78	(+ 6'38)	17'37			+ 55'12	+ 1. 4'57	23. 45. 17'57
		AC	55	$\odot$ 2 L.....	5	"	23. 45. 26'04	[+ 7'70]	26'63			[+ 0'52]	- 1. 4'57	23. 45. 17'69

4. Observed on wire 17.
8, 52. Observed on wire 18.
15. Cloudy.
16. Observed on wire 3.

16, 17, 18, 19. Faint; cloudy.
19. G. M. T. of observation 10^h 36^m 33^s.90; seconds of Tab. R. A. 44^s.13.
21. Observed on wire 13.

25, 29, 45. Observed on wire 14.
36. Observed on wire 9.
49. G. M. T. of observation 17^h 52^m 53^s.15; seconds of Tab. R. A. 10^s.91.

19060604MM-685-1C

[10]

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.	
								Collimation							
								(Level)							
								[Azimuth].							
								"	s	s	s	m s	h m s		
1906.															
Mar. 21	180°, d.	V	1	☉ 2 L.....	8	19'500	23. 59. 59.10	- 0.76 (+ 6.94) [+ 12.37]	59.98			+ 56.87 [+ 0.52]	- 1. 4.50	23. 59. 52.87	
		V	2	83 Cancri.....	10	,,	9. 12. 46.42	(+ 8.55) [+ 14.39]	47.43	45.04	+ 57.41	+ 57.39		.....	
		V	3	Groombridge 3548 S.P...	10	21.919	9. 17. 12.89		17.43	15.04	+ 57.41			.....	
		V	4	ξ Leonis.....	10	19.500	9. 25. 55.13		56.16	53.73	+ 57.37			.....	
		V	5	ε Leonis.....	10	,,	9. 39. 33.46		34.45	32.01	+ 57.35			.....	
		V	6	π Leonis.....	10	,,	9. 54. 17.18		18.22	15.82	+ 57.38			.....	
		V	7	Regulus.....	10	,,	10. 2. 24.36		25.38	23.06	+ 57.46			.....	
Mar. 22	180°, d.	V	8	Cephei 51.....	10	18.506	6. 55. 49.66	(+ 8.71) [+ 13.86]	47.25	45.23	+ 57.85	+ 57.87 [+ 0.44]		.....	
		V	9	51 Geminorum.....	4	19.500	7. 6. 59.72		0.71	58.75	+ 57.91			7. 7. 58.71	
		V	10	δ Geminorum.....	4	,,	7. 13. 31.94		32.92	30.91	+ 57.86			7. 14. 30.92	
		V	11	γ Cancri.....	10	,,	8. 36. 52.58		53.56	51.59	+ 57.87			8. 37. 51.59	
		V	12	ε Hydrae.....	10	,,	8. 40. 49.67		50.69	48.68	+ 57.83			8. 41. 48.72	
		V	13	α Cancri.....	10	,,	8. 52. 22.55		23.55	21.62	+ 57.91			8. 53. 21.58	
		V	14	κ Cancri.....	8	,,	9. 1. 41.22		42.22	40.23	+ 57.84			9. 2. 40.26	
Apr. 2	180°, d.	AC	15	Regulus.....	13	,,	10. 3. 18.82	- 0.44 (+ 7.16) [+ 9.36]	19.58	22.96	+ 3.18	+ 3.18 [+ 0.48]		.....	
Apr. 3	180°, d.	V	16	☉ 1 L.....	5	,,	0. 46. 1.93	+ 0.36 (+ 6.00) [+ 7.91]	2.61			+ 3.50 [+ 0.48]	+ 1. 4.48	0. 47. 10.61	
		V	17	☉ 2 L.....	5	,,	0. 48. 10.92		11.60				- 1. 4.48	0. 47. 10.64	
		V	18	Polaris.....	10	20.557	1. 24. 26.49	(+ 6.96) [+ 9.12]	27.70	28.06	+ 0.33			.....	
		V	19	Venus 1 L.....	10	19.500	1. 32. 59.50		0.28				+ 0.34	1. 33. 4.15	
		V	20	Venus 2 L.....	10	,,	1. 33. 0.28		1.06				- 0.34	1. 33. 4.23	
		V	21	Aldebaran.....	10	,,	4. 30. 26.20	(+ 8.02) [+ 10.45]	26.99	30.84	+ 3.76			4. 30. 30.58	
		V	22	τ Tauri.....	3	,,	4. 36. 30.86		31.64	35.42	+ 3.69			4. 36. 35.23	
		V	23	ι Aurigæ.....	10	,,	4. 50. 46.97		47.75	51.55	+ 3.70			4. 50. 51.35	
		V	24	λ Ursæ Minoris S.P.....	10	20.676	7. 15. 37.34		37.69	39.37	+ 1.54			.....	
		V	25	β Canis Minoris.....	10	19.500	7. 21. 58.78		59.68	3.38	+ 3.55			7. 22. 3.33	
		V	26	Castor.....	10	,,	7. 28. 31.87		32.77	36.40	+ 3.48			7. 28. 36.42	
		V	27	γ Geminorum.....	10	,,	7. 40. 36.64		37.54					7. 40. 41.19	
		V	28	85 Geminorum.....	3	,,	7. 50. 6.63		7.53					7. 50. 11.19	
		V	29	Groombridge 1119.....	10	21.967	8. 4. 31.51		32.88	37.94	+ 4.90			.....	
		V	30	ρ Argûs.....	10	19.500	8. 3. 28.48		29.40	32.96	+ 3.40			8. 3. 33.06	
		V	31	δ 1 L.....	15	,,	8. 14. 57.41		58.32				+ 1. 7.48	8. 16. 9.48	
		V	32	Piazzi VIII. 180.....	10	,,	8. 45. 20.14		21.04					8. 45. 24.72	
		V	33	ξ Leonis.....	9	,,	9. 26. 48.94		49.85	53.58	+ 3.54			9. 26. 53.54	
Apr. 4	180°, d.	HF	34	☉ 1 L.....	5	,,	0. 49. 40.14	(+ 6.13) [+ 7.48]	40.80			+ 4.07 [+ 0.48]	+ 1. 4.50	0. 50. 49.39	
		HF	35	☉ 2 L.....	10	,,	0. 51. 49.23		49.89				- 1. 4.50	0. 50. 49.48	
		HF	36	Polaris.....	10	19.282	1. 24. 21.77	(+ 7.26) [+ 8.90]	24.17	27.86	+ 3.66			.....	
		HF	37	Venus 1 L.....	9	19.500	1. 37. 36.35		37.15				+ 0.34	1. 37. 41.59	
		HF	38	Venus 2 L.....	9	,,	1. 37. 37.10		37.90				- 0.34	1. 37. 41.66	
		HF	39	Aldebaran.....	7	,,	4. 30. 25.73	(+ 8.39) [+ 10.32]	26.53	30.83	+ 4.21			4. 30. 30.69	
		HF	40	λ Ursæ Minoris S.P.....	10	19.231	7. 15. 37.83		36.78	40.49	+ 3.57			.....	
		HF	41	β Canis Minoris.....	8	19.500	7. 21. 58.26		59.18	3.37	+ 4.04			7. 22. 3.40	
		HF	42	Castor.....	6	,,	7. 28. 31.21		32.14	36.38	+ 4.09			7. 28. 36.36	
		HF	43	6 Cancri.....	9	,,	7. 57. 39.93		40.86	45.07	+ 4.05			7. 57. 45.09	
		HF	44	μ Cancri.....R.	4	,,	8. 2. 10.29		10.15					8. 2. 14.38	
		HF	45	μ Cancri.....	8	,,	8. 2. 9.16		10.08					8. 2. 14.31	
		HF	46	η Cancri.....	9	,,	8. 27. 11.77		12.69	16.92	+ 4.06			8. 27. 16.93	
		HF	47	γ Cancri.....	10	,,	8. 37. 46.25		47.17	51.38	+ 4.04			8. 37. 51.41	
		HF	48	δ Cancri.....	7	,,	8. 39. 16.08		17.00					8. 39. 21.24	
		HF	49	Piazzi VIII. 180.....	8	,,	8. 45. 19.64		20.56					8. 45. 24.81	
		HF	50	κ Cancri.....	10	,,	9. 2. 34.96		35.88	40.05	+ 3.99			9. 2. 40.13	
		HF	51	δ 1 L.....	8	,,	9. 10. 47.42		48.34				+ 1. 7.75	9. 12. 0.35	
Apr. 5	180°, d.	V	52	☉ 1 L.....	5	,,	0. 53. 18.24	(+ 6.56) [+ 7.41]	18.92			+ 4.34 [+ 0.48]	+ 1. 4.53	0. 54. 27.81	
		V	53	☉ 2 L.....	9	,,	0. 55. 27.31		27.99				- 1. 4.53	0. 54. 27.82	

1, 8, 9, 10. Very cloudy.
3, 18, 24, 36. Observed on wire 14.

7. Cloudy.
8. Observed on wire 9.

20, 38. Correction for defective illumination + 0.01.
29, 40. Observed on wire 15.

MON. and DAY.	Position of Instrument.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of		Seconds of Transit Corrected.	Tabular R.A. of Known Stars.	Clock apparently Slow at α^h Sidereal.	Adopted Clock Slow at α^h Sidereal and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
								Collimation	(Level)						
								[Azimuth].	"						
						r	h m s			s	s	s	s	m s	h m s
1906.															
Apr. 5	180°, d.	V	1	D 1 L.....	7	19'500	10. 7. 2'69	+ 0'36		3'61	19'18	+ 4'34	+ 4'34	+1. 7'91	10. 8. 16'07
		V	2	Groombridge 3548 S.P....	10	20'900	9. 18. 14'78	(+ 8'65)		14'65			[+ 0'48]		.....
		V	3	o Leonis.....	3	19'500	9. 36. 3'43	(+ 10'04)		4'34	8'87	+ 4'34			.....
Apr. 6	180°, d.	AC	4	⊙ 1 L.....	6	,,	0. 56. 56'52	(+ 7'11)		57'23			+ 5'15	+1. 4'56	0. 58. 6'96
		AC	5	⊙ 2 L.....	8	,,	0. 59. 5'83	(+ 7'41)		6'54			[+ 0'47]	-1. 4'56	0. 58. 7'15
		AC	6	Rigel.....	6	,,	5. 9. 54'45	(+ 8'63)		55'31	0'60	+ 5'19			5. 10. 0'56
		AC	7	Groombridge 1119.....	10	19'254	8. 4. 24'59	[+ 9'33]		30'10	34'88	+ 4'62			.....
		AC	8	d' Cancri.....	9	19'500	8. 17. 53'16			59'34	59'34	+ 5'12			8. 17. 59'37
		AC	9	a Cancri.....	9	,,	8. 53. 15'18			16'07	21'40	+ 5'15			8. 53. 21'39
		AC	10	83 Cancri.....	9	,,	9. 13. 38'59			39'49	44'83	+ 5'16			9. 13. 44'82
		AC	11	Groombridge 3548 S.P....	9	19'777	9. 18. 15'32			14'67	19'48	+ 4'63			.....
		AC	12	Regulus..... R.	5	19'500	10. 3. 17'57			17'54	22'92	+ 5'18			10. 3. 22'89
		AC	13	p Leonis.....	11	,,	10. 27. 46'53			47'41	52'73	+ 5'11			10. 27. 52'76
		AC	14	l Leonis.....	5	,,	10. 44. 13'80			14'68	20'06	+ 5'17			10. 44. 20'04
		AC	15	D 1 L.....	10	,,	11. 3. 39'10			39'99				+1. 8'10	11. 4. 53'47
		AC	16	Mösting A.....	10	,,	11. 4. 46'47			46'47					11. 4. 53'34
		AC	17	σ Leonis.....	10	,,	11. 16. 12'35			13'23					11. 16. 18'60
		AC	18	v Virginis.....	10	,,	11. 40. 56'64			57'52					11. 41. 2'90
Apr. 7	180°, d.	V	19	⊙ 1 L.....	5	,,	1. 0. 35'23	(+ 6'93)		35'93			+ 5'46	+1. 4'59	1. 1. 46'00
		V	20	⊙ 2 L.....	10	,,	1. 2. 44'56	[+ 7'35]		45'26			[+ 0'46]	-1. 4'59	1. 1. 46'15
		V	21	Polaris.....	9	20'794	1. 24. 18'66			23'20	27'31	+ 4'08			.....
		V	22	Venus 1 L.....	10	19'500	1. 51. 30'63			31'34				+ 0'34	1. 51. 37'18
		V	23	Venus 2 L.....	10	,,	1. 51. 31'42			32'13				- 0'34	1. 51. 37'29
		V	24	Groombridge 1119.....	10	18'493	8. 4. 19'96	(+ 8'19)		25'05	33'75	+ 8'55			.....
		V	25	ζ Hydrae..... R.	5	19'500	8. 50. 20'45	[+ 8'95]		20'52					8. 50. 26'15
		V	26	ζ Hydrae.....	7	,,	8. 50. 19'61			20'45					8. 50. 26'08
		V	27	κ Cancri.....	9	,,	9. 2. 33'52			34'36	40'01	+ 5'48			9. 2. 39'99
		V	28	Groombridge 3548 S.P....	10	20'053	9. 18. 13'23			12'66	19'80	+ 6'96			.....
		V	29	α Hydrae.....	10	19'500	9. 22. 52'45			53'27	58'90	+ 5'45			9. 22. 58'91
		V	30	ξ Leonis.....	10	,,	9. 26. 47'08			47'93	53'53	+ 5'42			9. 26. 53'57
		V	31	o Leonis.....	9	,,	9. 36. 2'34			3'18	8'84	+ 5'48			9. 36. 8'82
		V	32	ε Leonis.....	10	,,	9. 40. 25'29			26'15	31'81	+ 5'47			9. 40. 31'80
		V	33	μ Leonis.....	10	,,	9. 47. 19'45			20'32	25'96	+ 5'45			9. 47. 25'97
		V	34	σ Leonis.....	9	,,	11. 16. 12'02			12'86					11. 16. 18'54
		V	35	v Virginis.....	9	,,	11. 40. 56'33			57'17					11. 41. 2'85
		V	36	β Leonis.....	5	,,	11. 44. 10'59			11'45	17'10	+ 5'42			11. 44. 17'14
		V	37	β Virginis.....	10	,,	11. 45. 42'59			43'42	49'16	+ 5'51			11. 45. 49'11
		V	38	D 1 L.....	12	,,	12. 0. 46'48			47'31				+1. 8'47	12. 2. 1'48
Apr. 9	180°, d.	HF	39	⊙ 1 L.....	5	,,	1. 7. 53'07	(+ 5'79)		53'65			+ 6'40	+1. 4'65	1. 9. 4'72
		HF	40	⊙ 2 L.....	8	,,	1. 10. 2'48	[+ 5'98]		3'06			[+ 0'46]	-1. 4'65	1. 9. 4'83
		HF	41	ε Virginis.....	7	,,	12. 57. 23'60	(+ 8'07)		24'43	31'13	+ 6'45			12. 57. 31'08
		HF	42	θ Virginis.....	10	,,	13. 4. 58'81	[+ 8'86]		59'62	6'27	+ 6'40			13. 5. 6'27
		HF	43	Spica.....	10	,,	13. 20. 8'38			9'20	15'81	+ 6'35			13. 20. 15'86
		HF	44	Polaris S.P.....	10	19'082	13. 24. 23'54			20'60	27'21	+ 6'35			.....
		HF	45	ζ Virginis.....	5	19'500	13. 29. 48'06			48'88	55'48	+ 6'34			13. 29. 55'54
		HF	46	80 Virginis.....	9	,,	13. 30. 31'82			32'63					13. 30. 39'29
		HF	47	Piazzi XIII. 174.....	9	,,	13. 38. 54'68			55'50					13. 39. 2'16
		HF	48	τ Boötis.....	10	,,	13. 42. 41'49			42'33	48'98	+ 6'39			13. 42. 48'99
		HF	49	η Boötis.....	10	,,	13. 50. 6'26			7'11	13'80	+ 6'42			13. 50. 13'78
		HF	50	D 2 L.....	9	,,	14. 0. 17'26			18'07				-1. 9'97	13. 59. 14'77
Apr. 10	180°, d.	AC	51	⊙ 1 L.....	8	,,	1. 11. 32'24	(+ 6'54)		33'08			+ 6'92	+1. 4'69	1. 12. 44'71
		AC	52	⊙ 2 L.....	8	,,	1. 13. 41'64	[+ 10'62]		42'48			[+ 0'46]	-1. 4'69	1. 12. 44'73
		AC	53	Arcturus.....	9	,,	14. 11. 15'52	(+ 8'14)		16'51	23'66	+ 6'88			.....
		AC	54	B.D. - 8°, 3740.....	9	,,	14. 12. 16'26	[+ 12'63]		17'30					14. 12. 24'49
		AC	55	f Boötis.....	10	,,	14. 21. 58'05			59'04	6'27	+ 6'95			.....
		AC	56	Piazzi XIV. 127.....	10	,,	14. 31. 52'83			53'88					14. 32. 1'08

2. Observed on wire 26.
2, 3. Very faint; cloudy.
7. Observed on wire 10.
11. Observed on wire 9.

16. G. M. T. of observation 10^h 7^m 44^s 66; seconds of Tab. R. A. 52^s 65.
21. Observed on wire 15.
23. Correction for defective illumination + 0^s 01.
24. Observed on wire 8.

28. Observed on wire 11.
39, 40. Ill-defined and tremulous.
44. Observed on wire 14.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer. r	Observed Transit. h m s	Error of Collimation (Level) [Azimuth]. "	Seconds of Transit Cor- rected. s	Tabular R.A. of Known Stars. s	Clock apparently Slow at 0 ^h Sidereal. s	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate]. s	Correction for Passage of Semidiameter. m s	Apparent R.A. of Centre from the Observati. n. h m s
1906.														
Apr. 10	180°, d.	AC	1	Möstring A.....	9	19'500	15. 0.	+ 0'36	0'50			+ 6'92		14. 59. 59'82
		AC	2	D 2 L.....	8	"	15. 1. 2'09	(+ 8'14)	3'14			[+ 0'46]	-1. 10'95	14. 59. 59'42
		AC	3	Groombridge 2283.....	10	18'947	15. 7. 32'06	[+12'63]	31'28	38'51	+ 6'94			.....
Apr. 11	180°, d.	JS	4	η Libræ.....	7	19'500	15. 38. 39'96	(+ 7'79)	40'98			+ 7'05		15. 38. 48'34
		JS	5	ε Serpentis.....	10	"	15. 46. 0'56	[+12'20]	1'53	8'89	+ 7'05	[+ 0'47]		.....
		JS	6	γ Serpentis.....	10	"	15. 51. 59'40		0'36	7'73	+ 7'06			.....
		JS	7	D 2 L.....	5	"	16. 3. 14'43		15'45				-1. 11'77	16. 2. 11'07
		JS	8	κ Ophiuchi.....	9	"	16. 53. 5'62		6'59	13'98	+ 7'06			.....
Apr. 14	180°, d.	AC	9	Cephei 51 S.P.....	8	19'863	18. 56. 25'19	(+10'08)	26'27	35'39	+ 8'70	+ 8'77		.....
		AC	10	Möstring A.....	10	19'500	19. 10.	[+13'23]	9'68			[+ 0'48]	-1. 10'68	19. 10. 5'27
		AC	11	D 2 L.....	10	"	19. 11. 4'92		6'07					19. 10. 4'55
		AC	12	δ Aquilæ.....	13	"	19. 20. 35'57		36'70	45'81	+ 8'72			.....
		AC	13	α Aquilæ.....	10	"	19. 46. 1'64		2'77	11'97	+ 8'81			.....
Apr. 15	180°, d.	AC	14	D 2 L.....	4	"	20. 10. 28'27	(+ 9'92)	29'40				-1. 9'04	20. 9. 30'13
		AC	15	γ Cygni.....	3	"	20. 18. 40'53	[+13'03]	41'63					20. 18. 51'37
Apr. 16	180°, d.	AC	16	d Leonis.....	10	"	10. 55. 32'36	(+ 8'52)	33'32	43'40	+ 9'85	+ 9'81		.....
		AC	17	χ Leonis.....	9	"	11. 0. 0'15	[+11'27]	1'12	11'12	+ 9'77	[+ 0'50]		.....
Apr. 20	180°, d.	HF	18	ε Hydræ.....	9	"	8. 41. 35'38	+ 0'11	36'62	48'25	+11'45	+11'45		8. 41. 48'25
		HF	19	α Cancri.....	7	"	8. 53. 8'31	(+ 9'93)	9'53	21'19	+11'47	[+ 0'50]		8. 53. 21'16
		HF	20	Groombridge 3548 S.P....	10	19'377	9. 18. 8'73	[+16'14]	12'43	24'08	+11'46			.....
		HF	21	Regulus.....	10	19'500	10. 3. 9'85		11'08	22'74	+11'45			10. 3. 22'74
		HF	22	γ ¹ Leonis.....	7	"	10. 14. 35'33		36'54	48'25	+11'50			10. 14. 48'20
		HF	23	μ Hydræ.....	10	"	10. 21. 20'75		22'06	33'58	+11'30			10. 21. 33'73
		HF	24	ρ Leonis.....	10	"	10. 27. 39'67		40'90	52'59	+11'47			10. 27. 52'57
Apr. 24	180°, d.	AC	25	Regulus.....	10	"	10. 3. 7'70	- 1'15	8'69	22'69	+13'79	+13'72		10. 3. 22'62
		AC	26	γ ¹ Leonis.....	6	"	10. 14. 33'22	(+ 9'68)	34'21	48'21	+13'78	[+ 0'51]		10. 14. 48'15
		AC	27	ρ Leonis.....	10	"	10. 27. 37'55	[+12'99]	38'54	52'54	+13'78			10. 27. 52'48
		AC	28	Bradley 3147 S.P.....	6	20'145	11. 27. 22'22		25'26	38'90	+13'40			.....
		AC	29	β Leonis.....	15	19'500	11. 44. 2'07		3'06	17'02	+13'71			11. 44. 17'03
		AC	30	β Virginis.....	10	"	11. 45. 34'13		35'13	49'08	+13'70			11. 45. 49'10
		AC	31	π Virginis.....	13	"	11. 55. 49'63		50'63	4'53	+13'65			11. 56. 4'60
		AC	32	ο Virginis.....	10	"	12. 0. 11'53		12'52	26'43	+13'65			12. 0. 26'50
		AC	33	Bradley 1672.....	4	18'860	12. 14. 35'07		32'64	46'20	+13'30			.....
May 3	0°, d.	AW	34	⊙ 1 L.....	3	19'500	2. 37. 21'73	- 0'74	20'13			+18'08	+1. 6'12	2. 38. 44'38
		AW	35	⊙ 2 L.....	10	"	2. 39. 33'78	(-13'97)	32'18			[+ 0'48]	-1. 6'12	2. 38. 44'19
								[-18'92]						
		AW	36	Regulus.....	10	"	10. 3. 5'92	(-14'82)	4'22	22'57	+18'15			.....
		AW	37	D 1 L.....	9	"	10. 37. 3'03	[-19'99]	1'33				+1. 7'12	10. 38. 26'64
		AW	38	d Leonis.....	9	"	10. 53. 26'65		24'94	43'24	+18'08			.....
		AW	39	χ Leonis.....	10	"	10. 59. 54'36		52'65	10'96	+18'09			.....
		AW	40	Piazzi XI. 12.....	10	"	11. 8. 53'05		51'35					11. 9. 9'65
		AW	41	τ Leonis.....	10	"	11. 22. 50'55		48'84	7'18	+18'11			.....
		AW	42	Bradley 3147 S.P.....	8	17'224	11. 27. 24'99		23'23	41'44	+17'98			.....
		AW	43	ζ Virginis.....	11	19'500	13. 29. 39'03		37'32	55'58	+17'99			.....
May 4	0°, d.	AC	44	Bradley 3147 S.P.....	10	19'870	11. 27. 24'62	(-14'62)	23'75	41'72	+17'74	+18'48		.....
		AC	45	D 1 L.....	14	19'500	11. 32. 18'62	[-18'63]	16'99			[+ 0'48]	+1. 7'52	11. 33. 43'14
		AC	46	β Leonis.....	9	"	11. 43. 59'89		58'26	16'93	+18'44			.....
		AC	47	b Virginis.....	8	"	11. 54. 52'06		50'43					11. 55. 9'15
		AC	48	ο Virginis.....	7	"	12. 0. 9'28		7'65	26'37	+18'48			.....
		AC	49	10 Virginis.....	10	"	12. 4. 36'36		34'73					12. 4. 53'45
		AC	50	Bradley 1672.....	10	18'608	12. 14. 27'15		24'28	42'22	+17'69			.....
		AC	51	ρ Virginis.....	10	19'500	12. 36. 51'69		50'06	8'83	+18'55			.....
		AC	52	35 Virginis.....	13	"	12. 42. 48'39		46'76	5'50	+18'48			.....

1. G. M. T. of observation 13^h 46^m 38^s.38; seconds of Tab. R. A. 59^s.31.

3. Observed on wire 9.

9. Observed on wire 12.

10. G. M. T. of observation 17^h 40^m 24^s.84; seconds of Tab. R. A. 5^s.00.

20. Observed on wire 17.

22. Cloudy.

28. Observed on wire 8.

33. Observed on wire 19.

42, 50. Observed on wire 14.

44. Observed on wire 20.

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at sidereal.	Adopted Clock Slow at sidereal and [Lossing Rate].	Correction for Passage of Semidiameter.	Apparent Centre from the Observation.
								Collimation	[Azimuth]						
								(Level)	"						
						r	h m s		s	s	s	s	m s	h m s	
1906.									- 0'74						
May 5	0°, d.	AW	1	⊙ 1 L.....	5	19'500	2. 45. 1'05	(-15'27)	59'35				+18'84	+1. 6'28	2. 46. 24'52
		AW	2	⊙ 2 L.....	5	,,	2. 47. 13'52	[-19'45]	11'82				[+ 0'48]	-1. 6'28	2. 46. 24'44
May 8	0°, d.	AW	3	η Virginis.....	10	,,	12. 14. 48'07	(-13'89)	46'40	6'97	+20'35		+20'29		12. 15. 6'91
		AW	4	δ Virginis.....	10	,,	12. 50. 34'53	[-20'09]	32'87	53'36	+20'25		[+ 0'44]		12. 50. 53'40
		AW	5	ε Virginis.....	10	,,	12. 57. 12'21		10'56	31'12	+20'32				12. 57. 31'09
		AW	6	θ Virginis.....	10	,,	13. 4. 47'39		45'71	6'31	+20'36				13. 5. 6'24
		AW	7	Polaris S.P.	8	18'861	13. 24. 19'18		14'75	35'35	+20'35				.....
		AW	8	m Virginis.....	5	19'500	13. 36. 23'32		21'64	42'14	+20'25				13. 36. 42'18
		AW	9	ξ ¹ Libræ.....	9	,,	14. 48. 59'42		57'74						14. 49. 18'30
		AW	10	18 Libræ.....	7	,,	14. 53. 31'26		29'58						14. 53. 50'14
		AW	11	ι ¹ Libræ.....	10	,,	15. 6. 34'65		32'94	53'42	+20'20				15. 6. 53'51
May 12	0°, d.	AW	12	α Vulpeculæ.....	10	,,	19. 24. 27'87	(-15'78)	26'04	48'75	+22'32		+22'27		.....
		AW	13	γ Aquilæ.....	10	,,	19. 41. 27'62	[-22'47]	25'76	48'42	+22'27		[+ 0'48]		.....
		AW	14	δ 2 L.....	10	,,	19. 48. 11'26		9'35					-1. 10'98	19. 47. 20'97
		AW	15	θ Aquilæ.....	10	,,	20. 6. 7'38		5'50	28'13	+22'23				.....
May 13	0°, d.	AW	16	α Cygni.....	7	,,	20. 37. 53'08	(-15'68)	51'30	14'62	+22'90		+22'90		.....
		AC	17	δ 2 L.....	8	,,	20. 47. 35'06	[-22'35]	33'16				[+ 0'49]	-1. 8'84	20. 46. 47'57
May 24	0°, d.	AC	18	Spica.....	10	,,	13. 19. 48'93	- 0'51	47'64	15'83	+27'92		+27'92		.....
		AC	19	Polaris S.P.	10	19'570	13. 24. 5'17	(-15'16)	17'66	45'86	+27'93		[+ 0'48]		.....
		AC	20	m Virginis.....	10	19'500	13. 36. 15'21	[-12'94]	13'91	42'11	+27'93				.....
		AC	21	β Libræ.....	10	,,	15. 11. 31'66		30'36	58'58	+27'92				.....
		AC	22	α ² Libræ.....	10	,,	15. 17. 21'99		20'72	48'95	+27'92				.....
June 2	0°, d.	AW	23	δ 1 L.....	9	,,	12. 58. 56'75	- 0'57	54'82				+32'53	+1. 7'77	13. 0. 35'25
		AW	24	66 Virginis.....	9	,,	13. 19. 10'08	(-15'99)	8'14				[+ 0'40]		13. 19. 40'89
		AW	25	η Boötis.....	10	,,	13. 49. 43'02	[-23'56]	41'14	13'86	+32'49				13. 50. 13'90
		AW	26	τ Virginis.....	10	,,	13. 56. 22'31		20'38	53'14	+32'53				13. 56. 53'14
		AW	27	f Boötis.....	10	,,	14. 21. 35'59		33'71	6'46	+32'51				14. 22. 6'48
		AW	28	ι ¹ Libræ.....	10	,,	15. 6. 22'72		20'74	53'57	+32'58				15. 6. 53'52
		AW	29	α Serpentis.....	10	,,	15. 39. 9'08		7'17	39'97	+32'54				15. 39. 39'96
		AW	30	β ¹ Scorpii.....	10	,,	15. 59. 29'34		27'36	0'17	+32'54				16. 0. 0'16
June 5	0°, d.	AW	31	⊙ 2 L.....	8	,,	4. 50. 42'22	(-13'87)	40'57				+33'85	-1. 8'50	4. 50. 6'01
		AW	32	Venus 1 L.....	5	,,	6. 51. 41'12	[-20'89]	39'47				[+ 0'45]	+ 0'43	6. 52. 13'88
		AW	33	ε ² Boötis.....	9	,,	14. 40. 22'16	(-15'28)	20'36	54'43	+33'79				14. 40. 54'48
		AW	34	ψ Boötis.....	10	,,	14. 59. 54'29	[-22'67]	52'50	26'64	+33'86				15. 0. 26'63
		AW	35	Groombridge 2283.....	11	24'125	15. 7. 1'21		1'89	36'02	+33'85				.....
		AW	36	Piazzi XV. 54.....	7	19'500	15. 18. 12'21		10'32						15. 18. 44'46
		AW	37	α Serpentis.....	10	,,	15. 39. 7'70		5'86	39'98	+33'83				15. 39. 40'00
		AW	38	24 Scorpii.....	9	,,	16. 35. 37'81		35'91						16. 36. 10'07
		AW	39	κ Ophiuchi.....	9	,,	16. 52. 42'57		40'73	14'93	+33'88				16. 53. 14'90
		AW	40	ε Herculis.....	10	,,	16. 56. 11'09		9'30	43'45	+33'83				16. 56. 43'47
		AW	41	η Ophiuchi.....	10	,,	17. 4. 28'87		26'97	1'17	+33'88				17. 5. 1'14
June 6	0°, d.	HF	42	⊙ 1 L.....	3	,,	4. 52. 31'61	(-13'36)	29'96				+34'30	+1. 8'58	4. 54. 12'92
		HF	43	⊙ 2 L.....	6	,,	4. 54. 48'96	[-22'05]	47'31				[+ 0'42]	-1. 8'58	4. 54. 13'12
		HF	44	Polaris S.P.	7	19'792	13. 24. 32'39	(-13'84)	22'06	56'54	+34'25				.....
		HF	45	ζ Virginis.....	9	19'500	13. 29. 22'78	[-22'66]	20'98	55'47	+34'25				13. 29. 55'52
		HF	46	m Virginis.....	3	,,	13. 36. 9'35		7'52	42'11	+34'35				13. 36. 42'06
		HF	47	τ Boötis.....	5	,,	13. 42. 16'18		14'45	48'98	+34'29				13. 42. 48'99
		HF	48	ρ Boötis.....	10	,,	14. 27. 15'30		13'62	48'19	+34'32				14. 27. 48'17
		HF	49	β ¹ Scorpii.....	9	,,	15. 59. 27'46		25'58	0'20	+34'34				16. 0. 0'16
		HF	50	δ Ophiuchi.....	10	,,	16. 8. 54'18		52'37	26'96	+34'31				16. 9. 26'95
		HF	51	γ Herculis.....	7	,,	16. 17. 15'37		13'65	48'16	+34'23				16. 17. 48'24
		HF	52	φ Ophiuchi.....	10	,,	16. 25. 14'77		12'90						16. 25. 47'49
		HF	53	ζ Ophiuchi.....	10	,,	16. 31. 28'08		26'24	0'83	+34'30				16. 32. 0'83
		HF	54	24 Scorpii.....	10	,,	16. 35. 37'42		35'55						16. 36. 10'14

7, 35, 44. Observed on wire 14.

19. Observed on wire 10.

23, 27. Cloudy.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1906GOAMM.

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Correction for Passage of Semi-diameter.	Apparent R.A. of Centre from the Observation.		
								Collimation								
								(Level)								
								[Azimuth].								
								"	s	s	s	s	m s	h m s		
1906.																
June 6	0°, d.	HF	1	D 1 L.....	10	19'500	17. 3. 46.16	- 0.57	44.29			+34.30	+1. 13.73	17. 5. 32.53		
		HF	2	D 2 L.....	10	"	17. 6. 13.58	(-13.84)	11.71			[+ 0.42]	-1. 13.73	17. 5. 32.49		
		HF	3	Mösting A.....	3	"	17. 4.	[-22.66]	54.50					17. 5. 32.33		
June 7	0°, d.	AC	4	⊙ 1 L.....	6	"	4. 56. 38.37	- 1.47	36.68			+34.85	+1. 8.63	4. 58. 20.25		
		AC	5	⊙ 2 L.....	9	"	4. 58. 55.61	(-13.13)	53.92			[+ 0.45]	-1. 8.63	4. 58. 20.23		
								[-21.55]								
		AC	6	Venus 1 L.....	10	"	7. 2. 13.49		11.81				+ 0.43	7. 2. 47.22		
		AC	7	Arcturus.....	8	"	14. 10. 50.51	(-14.43)	48.67	23.76	+34.83			14. 11. 23.79		
		AC	8	ρ Boötis.....	8	"	14. 27. 14.77	[-23.18]	12.96	48.19	+34.96			14. 27. 48.08		
		AC	9	Groombridge 2283.....	10	20.951	15. 6. 59.28		0.09	35.29	+34.92			.....		
		AC	10	δ Ophiuchi.....	10	19.500	16. 8. 53.74		51.82	26.96	+34.84			16. 9. 26.97		
		AC	11	γ Herculis.....	5	"	16. 17. 14.78		12.94	48.17	+34.92			16. 17. 48.10		
		AC	12	ζ Herculis.....	10	"	16. 37. 13.15		11.34	46.44	+34.79			16. 37. 46.50		
		AC	13	κ Ophiuchi.....	10	"	16. 52. 41.67		39.80	14.94	+34.82			16. 53. 14.97		
		AC	14	B. D. - 18° 45'16.....	9	"	17. 18. 35.68		33.70					17. 19. 8.87		
		AC	15	β Ophiuchi.....	10	"	17. 38. 18.35		16.46	51.57	+34.78			17. 38. 51.64		
		AC	16	μ Herculis.....	6	"	17. 42. 15.27		13.45	48.64	+34.86			17. 42. 48.63		
		AC	17	Piazzi XVII. 277.....	10	"	17. 49. 52.13		50.15					17. 50. 25.33		
		AC	18	δ Ursæ Minoris.....	9	19.780	18. 2. 20.14		20.19	55.25	+34.72			.....		
		AC	19	D 2 L.....	8	19.500	18. 12. 38.00		36.02					-1. 13.89	18. 11. 57.24	
		June 8	0°, d.	AC	20	⊙ 1 L.....	3	"	5. 0. 45.53	(-14.55)	43.67			+35.30	+1. 8.67	5. 2. 27.73
				AC	21	⊙ 2 L.....	5	"	5. 3. 2.83	[-24.15]	0.97			[+ 0.42]	-1. 8.67	5. 2. 27.69
AC	22			Mösting A.....	6	"	19. 17.	(-14.08)	4.66					19. 17. 36.61		
AC	23			D 2 L.....	12	"	19. 18. 15.74	[-23.56]	13.75				-1. 12.91	19. 17. 36.40		
AC	24			α Vulpeculæ.....	1	"	19. 24. 15.66		13.86	49.42	+35.22			.....		
AC	25			h² Sagittarii.....	1	"	19. 30. 27.30		25.28	1.12	+35.50			.....		
AC	26			λ Ursæ Minoris.....	10	19.185	19. 15. 59.40		5.83	41.41	+35.24			.....		
AC	27			γ Aquilæ.....	8	19.500	19. 41. 15.38		13.52	49.11	+35.25			.....		
AC	28			α Aquilæ.....	9	"	19. 45. 39.69		37.82	13.47	+35.30			.....		
June 9	0°, d.	AC	29	⊙ 1 L.....	7	"	5. 4. 52.69	(-14.39)	50.84			+1. 8.70	5. 6. 35.32			
		AC	30	⊙ 2 L.....	9	"	5. 7. 10.37	[-23.95]	8.52				-1. 8.70	5. 6. 35.60		
June 19	0°, d.	AW	31	Antares.....	9	"	16. 23. 2.22	- 1.02	0.59	40.79	+39.92	+39.94		.....		
		AW	32	κ Ophiuchi.....	9	"	16. 52. 36.45	(-15.45)	34.78	15.02	+39.96	[+ 0.40]		.....		
		AW	33	η Ophiuchi.....	9	"	17. 4. 22.76	[-18.14]	21.12	1.31	+39.91			.....		
		AW	34	δ Ursæ Minoris.....	10	14.398	18. 2. 18.67		15.01	55.25	+39.94			.....		
		AW	35	μ Sagittarii.....	10	19.500	18. 7. 32.13		30.49	10.73	+39.94			.....		
June 20	0°, d.	HF	36	⊙ 1 L.....	7	"	5. 50. 27.63	- 1.73	25.90			+40.30	+1. 8.92	5. 52. 15.22		
		HF	37	⊙ 2 L.....	7	"	5. 52. 45.57	(-15.33)	43.84			[+ 0.40]	-1. 8.92	5. 52. 15.32		
		HF	38	Venus 1 L.....	7	"	8. 9. 15.25	[-18.30]	13.52				+ 0.45	8. 9. 54.41		
		HF	39	Spica.....	10	"	13. 19. 36.80	(-15.03)	35.13	15.65	+40.30			13. 20. 15.65		
		HF	40	Polaris S.P.	9	18.370	13. 24. 23.76	[-17.92]	29.68	9.73	+39.82			.....		
		HF	41	η Boötis.....	3	19.500	13. 49. 34.87		33.17	13.72	+40.32			13. 50. 13.70		
		HF	42	τ Virginis.....	4	"	13. 56. 14.19		12.51	53.04	+40.30			13. 56. 53.04		
		HF	43	ε² Boötis.....	9	"	14. 40. 15.49		13.77	54.33	+40.32			14. 40. 54.31		
		HF	44	α Libræ.....	4	"	14. 45. 3.45		1.78	42.32	+43.29			14. 45. 42.33		
		HF	45	ξ² Libræ.....	9	"	14. 51. 2.85		1.18	41.69	+40.26			14. 51. 41.73		
		HF	46	Groombridge 2283.....	6	19.833	15. 6. 56.10		50.80	30.85	+39.80			.....		
		June 21	0°, d.	AC	47	⊙ 1 L.....	6	19.500	5. 54. 36.93	- 1.28	35.27			+40.80	+1. 8.92	5. 56. 25.09
AC	48			⊙ 2 L.....	10	"	5. 56. 54.75	(-14.65)	53.09			[+ 0.40]	-1. 8.92	5. 56. 25.07		
								[-18.52]								
AC	49			ζ Ophiuchi.....	5	"	16. 31. 21.50	(-14.59)	19.84	0.92	+40.80			.....		
AC	50	ζ Herculis.....	10	"	16. 37. 7.05	[-18.44]	5.38	46.47	+40.81			.....				
June 22	0°, d.	AW	51	⊙ 1 L.....	3	"	5. 58. 45.95	(-14.91)	44.22			+41.39	+1. 8.89	6. 0. 34.60		
		AW	52	ζ¹ Libræ.....	9	"	15. 22. 19.28	[-19.93]	17.47	59.11	+41.38	[+ 0.40]		.....		
		AW	53	α Coronæ.....	9	"	15. 30. 4.37	[-20.53]	2.58	44.11	+41.27			.....		

1. Correction for defective illumination - 0.8.03. 18. Observed on wire 14. 34. 46. Observed on wire 13.
3. G. M. T. of observation 12^h 7^m 32^s.41; seconds of Tab. R. A. 31^s.78. 22. G. M. T. of observation 14^h 11^m 30^s.10; seconds of Tab. R. A. 36^s.30. 46. Very faint; cloudy.
6. Very unsteady. 26. Observed on wire 22. 49. Faint.

MONTH DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and [Lossing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
								Collimation						
								(Level) [Azimuth].						
						r	h m s	"	s	s	s	s	m s	h m s
June 22	0°, d.	AW	1	θ Ophiuchi.....	7	19'500	17. 15. 36.56	- 1'28	34.74	16.47	+41'44	+41'39		.....
		AW	2	μ Herculis.....	9	"	17. 42. 8.87	(-15'39)	7.09	48.78	+41'39	[+ 0'40]		.....
		AW	3	δ Ursæ Minoris.....	10	15'496	18. 2. 15.66	[-20'53]	13.32	55.02	+41'40			.....
		AW	4	μ Sagittarii.....	9	19'500	18. 7. 30.92		29.10	10.76	+41'36			.....
July 2	0°, r.	HF	5	ε ² Boötis.....	10	"	14. 40. 10.78	- 0'37	9.24	54.21	+44.74	+44.75		14. 40. 54.22
		HF	6	Groombridge 2283.....	9	19'481	15. 6. 43.21	(-14'22)	40.89	25.86	+44.73	[+ 0'38]		.....
		HF	7	Piazzi XV. 54.....	7	19'500	15. 18. 1.00	[-17'68]	59.46					15. 18. 44.45
		HF	8	ζ ¹ Libræ.....	10	"	15. 22. 15.56		14.02	59.07	+44.81			15. 22. 59.01
		HF	9	δ ¹ L.....	9	"	15. 28. 57.65		56.11				+1. 10.76	15. 30. 51.80
		HF	10	γ Serpentis.....	7	"	15. 51. 24.89		23.35	8.34	+44.74			15. 52. 8.35
		HF	11	B. D. - 14° 4383.....	9	"	16. 9. 51.74		50.20					16. 10. 35.21
		HF	12	λ Ophiuchi.....	10	"	16. 25. 28.81		27.27	12.19	+44.66			16. 26. 12.28
		HF	13	ζ Ophiuchi.....	9	"	16. 31. 17.49		15.95	0.94	+44.73			16. 32. 0.96
		HF	14	ζ Herculis.....	9	"	16. 37. 2.90		1.35	46.43	+44.82			16. 37. 46.36
July 3	0°, r.	AW	15	⊙ ¹ L.....	5	"	6. 44. 20.76	+ 1'12	19.50			+44.75	+1. 8.68	6. 46. 13.01
		AW	16	⊙ ² L.....	5	"	6. 46. 38.30	(-13'41) [-14'12]	37.04			[+ 0'28]	-1. 8.68	6. 46. 13.19
		AW	17	ε ² Boötis.....	9	"	14. 40. 10.33	(-12'41)	9.17	54.19	+44.85			14. 40. 54.09
		AW	18	β Libræ.....	9	"	15. 11. 14.77	[-12'88]	13.68	58.54	+44.68			15. 11. 58.61
		AW	19	α Serpentis.....	9	"	15. 38. 56.10		54.98	39.94	+44.78			15. 39. 39.91
		AW	20	49 Libræ.....	9	"	15. 54. 21.14		20.06					15. 55. 5.00
		AW	21	B. D. - 14° 4383.....	9	"	16. 9. 51.17		50.09					16. 10. 35.03
		AW	22	γ Herculis.....	7	"	16. 17. 4.34		3.19	48.16	+44.78			16. 17. 48.13
		AW	23	δ ¹ L.....	10	"	16. 31. 22.42		21.34				+1. 12.45	16. 33. 18.68
		AW	24	κ Ophiuchi.....	9	"	16. 52. 31.23		30.10	15.04	+44.74			16. 53. 15.05
		AW	25	Piazzi XVI. 297.....	9	"	17. 2. 5.74		4.66					17. 2. 49.61
		AW	26	Piazzi XVII. 43.....	9	"	17. 13. 43.45		42.37					17. 14. 27.32
		AW	27	σ Ophiuchi.....	9	"	17. 21. 9.24		8.12	53.07	+44.75			17. 21. 53.07
		AW	28	α Ophiuchi.....	9	"	17. 29. 52.53		51.40	36.28	+44.68			17. 30. 36.35
		AW	29	δ Ursæ Minoris.....	10	17'015	18. 1. 10.99		9.12	54.00	+44.67			.....
July 4	0°, r.	HF	30	⊙ ¹ L.....	5	19'500	6. 48. 28.49	(-14'15)	27.05			+45.22	+1. 8.64	6. 50. 20.99
		HF	31	⊙ ² L.....	7	"	6. 50. 45.80	[-17'85]	44.36			[+ 0'28]	-1. 8.64	6. 50. 21.02
		HF	32	Venus ¹ L.....	5	"	9. 17. 28.20		26.82				+ 0.47	9. 18. 12.62
		HF	33	Polaris S.P.....	9	17'161	13. 25. 43.56	(-13'10)	38.53	23.99	+45.30			.....
		HF	34	ρ Boötis.....	9	19'500	14. 27. 3.76	[-16'53]	2.44	47.91	+45.30			14. 27. 47.83
		HF	35	α Libræ.....	9	"	14. 44. 58.12		56.79	42.22	+45.26			14. 45. 42.18
		HF	36	β Libræ.....	7	"	15. 11. 14.49		13.16	58.52	+45.18			15. 11. 58.56
		HF	37	γ Serpentis.....	4	"	15. 51. 24.25		22.92	8.33	+45.23			15. 52. 8.33
		HF	38	δ Ophiuchi.....	7	"	16. 8. 43.00		41.67	26.98	+45.29			16. 9. 27.08
		HF	39	ζ Ophiuchi.....	7	"	16. 31. 16.78		15.45	0.93	+45.29			16. 32. 0.86
		HF	40	Piazzi XVI. 297.....	10	"	17. 2. 5.40		4.07					17. 2. 49.49
		HF	41	Piazzi XVII. 43.....	7	"	17. 13. 43.18		41.85					17. 14. 27.27
		HF	42	θ Ophiuchi.....	8	"	17. 15. 32.50		31.17	16.54	+45.16			17. 16. 16.59
		HF	43	δ ¹ L.....	10	"	17. 36. 16.52		15.19				+1. 13.50	17. 38. 14.05
		HF	44	Mösting A.....	7	"	17. 37.		37.06					17. 38. 14.41
July 6	0°, r.	AW	45	⊙ ¹ L.....	5	"	6. 56. 42.29	(-14'37)	40.88			+45.59	+1. 8.55	6. 58. 35.11
		AW	46	⊙ ² L.....	7	"	6. 58. 59.23	[-16'71]	57.82			[+ 0'30]	-1. 8.55	6. 58. 34.95
		AW	47	δ ² L.....	10	"	19. 49. 39.41	(-13'09)	38.18				-1. 12.43	19. 49. 11.54
		AW	48	Groombridge 1119.....	10	17'387	20. 2. 40.64	[-15'10]	40.23	26.07	+45.59			.....
		AW	49	σ Capricorni.....	9	19'500	20. 13. 15.79		14.56					20. 14. 0.40
		AW	50	ε Delphini.....	7	"	20. 28. 0.83		59.57	45.42	+45.59			.....
July 10	0°, r.	AC	51	⊙ ¹ L.....	5	"	7. 13. 5.84	+ 0.27	4.41			+46.90	+1. 8.34	7. 14. 59.74
		AC	52	⊙ ² L.....	10	"	7. 15. 22.49	(-14'39) [-15'38]	21.06			[+ 0'30]	-1. 8.34	7. 14. 59.71
July 11	0°, r.	HF	53	α Andromedæ.....	9	"	0. 2. 47.02	(-12'78)	45.77	33.15	+47.35	+47.35		.....
		HF	54	γ Pegasi.....	7	"	0. 7. 38.90	[-12'66]	37.69	25.00	+47.31	[+ 0'30]		.....

3, 48. Observed on wire 14.
6. Observed on wire 19.
12. Faint; cloudy.

25, 26. Very faint.
29. Observed on wire 21.
32. Definition very bad.

33. Observed on wire 7.
44. G. M. T. of observation 10^h 50^m 14^s.91; seconds of Tab. R. A. 13^s.79.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of		Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
								Collimation (Level)	[Azimuth]						
1906.															
July 12	0°, r.	AC	1	β Andromedæ.....	10	19'500	1. 3. 42'74	+ 0'27		41'48	29'25	+47'76	+47'76	.....	.....
		AC	2	γ 2 L.....	11	"	1. 13. 32'24	(-12'92)		31'08			[+ 0'30]	-1. 2'04	1. 13. 16'77
		AC	3	Polaris.....	10	19'705	1. 24. 53'03	[-12'17]		44'60	32'37	+47'75		.....	.....
July 13	0°, r.	AC	4	$\odot$ 1 L.....	6	19'500	7. 25. 19'20	(-14'79)		17'78			+48'06	+1. 8'15	7. 27. 14'08
		AC	5	$\odot$ 2 L.....	10	"	7. 27. 35'54	[-14'53]		34'12			[+ 0'30]	-1. 8'15	7. 27. 14'12
July 30	0°, r.	HF	6	γ 1 L.....	1	"	16. 6. 37'85	+ 1'12		36'44			+51'54	+1. 10'69	16. 8. 38'72
		HF	7	Mösting A.....	10	"	16. 7.	(-12'51)		52'72			[+ 0'18]		16. 8. 38'97
		HF	8	λ Ophiuchi.....	5	"	16. 25. 21'77	[-17'97]		20'39	12'01	+51'50		.....	.....
		HF	9	ζ Herculis.....	9	"	16. 36. 55'75			54'43	46'14	+51'59		.....	.....
		HF	10	κ Ophiuchi.....	7	"	16. 52. 24'60			23'24	14'89	+51'52		.....	.....
		HF	11	δ Ursæ Minoris.....	9	19'744	18. 1. 55'33			56'69	48'36	+51'53		.....	.....
July 31	0°, r.	AW	12	$\odot$ 1 L.....	5	19'500	8. 37. 4'55	(-13'33)		3'11			+51'48	+1. 6'73	8. 39. (1'37)
		AW	13	$\odot$ 2 L.....	3	"	8. 39. 17'95	[-19'20]		16'51			[+ 0'15]	-1. 6'73	8. 39. (1'31)
		AW	14	γ 2 Scorpii.....	9	"	16. 35. 19'69	(-10'70)		18'47					16. 36. 10'05
		AW	15	Piazzi XVI. 232.....	9	"	16. 49. 47'88	[-15'89]		46'66					16. 50. 38'25
		AW	16	γ 1 L.....	5	"	17. 8. 35'86			34'64				+1. 12'05	17. 10. 38'22
		AW	17	B. D. - 18° 45'16.....	9	"	17. 18. 18'58			17'36					17. 19. 8'95
		AW	18	α Ophiuchi.....	9	"	17. 29. 45'74			44'57	36'19	+51'51		.....	.....
		AW	19	μ Herculis.....	9	"	17. 41. 58'20			57'07	48'68	+51'50		.....	.....
		AW	20	Piazzi XVII. 277.....	9	"	17. 49. 35'11			33'89					17. 50. 25'48
		AW	21	δ Ursæ Minoris.....	9	23'456	18. 1. 54'24			55'92	48'04	+52'01		.....	.....
		AW	22	γ 2 Ophiuchi.....	9	19'500	18. 2. 5'24			4'07	55'69	+51'51		.....	.....
		AW	23	λ Ursæ Minoris.....	10	18'418	19. 15. 35'78			44'55	35'26	+50'59		.....	.....
		AW	24	δ Aquilæ.....	7	19'500	19. 19. 57'49			56'31	47'89	+51'46		.....	.....
		AW	25	ϵ^1 Sagittarii.....	9	"	19. 34. 32'47			31'25	22'82	+51'45		.....	.....
Aug. 1	0°, r.	AW	26	η Ophiuchi.....	9	"	17. 4. 10'84	(-11'20)		9'67	1'26	+51'48	+51'58	.....	.....
		AW	27	B. D. - 18° 45'16.....	9	"	17. 18. 18'47	[-14'97]		17'30			[+ 0'15]		17. 19. 8'99
		AW	28	α Ophiuchi.....	9	"	17. 29. 45'54			44'39	36'18	+51'68		.....	.....
		AW	29	μ Herculis.....	9	"	17. 41. 58'09			56'96	48'67	+51'60		.....	.....
		AW	30	Piazzi XVII. 277.....	9	"	17. 49. 35'08			33'91					17. 50. 25'60
		AW	31	δ Ursæ Minoris.....	8	21'138	18. 1. 55'22			55'80	47'70	+51'79		.....	.....
		AW	32	Sagittarii.....	9	19'500	18. 7. 20'42			19'25	10'91	+51'55		.....	.....
		AW	33	γ 1 L.....	5	"	18. 12. 26'36			25'19				+1. 12'72	18. 14. 29'53
		AW	34	γ 2 Sagittarii.....	7	"	18. 43. 14'48			13'31					18. 44. 5'01
		AW	35	ξ^1 Sagittarii.....	9	"	18. 50. 57'35			56'18					18. 51. 47'88
		AW	36	Cephei 51 S.P.....	9	21'512	18. 55. 36'54			33'10	24'88	+51'66		.....	.....
Aug. 2	0°, r.	HF	37	Venus 1 L.....	10	19'500	11. 24. 46'24	(-13'57)		44'82			+52'10	+ 0'53	11. 25. 37'52
		HF	38	Polaris S.P.....	10	19'718	13. 24. 8'79	[-18'01]		1'90	53'99	+52'01	[+ 0'14]	.....	.....
		HF	39	κ Ophiuchi.....	10	19'500	16. 52. 24'11			22'70	14'85	+52'05		.....	.....
		HF	40	ϵ Herculis.....	9	"	16. 55. 52'33			50'94	43'22	+52'18		.....	.....
		HF	41	ψ Sagittarii.....	10	"	19. 8. 58'55			57'11	49'27	+52'03		.....	.....
		HF	42	γ 1 L.....	10	"	19. 16. 43'45			42'02				+1. 12'42	19. 18. 46'59
		HF	43	Mösting A.....	10	"	19. 18.			4'69					19. 18. 47'05
Aug. 7	0°, r.	HF	44	ω Piscium.....	10	"	23. 53. 39'84	(-12'16)		38'51	31'10	+52'45	+52'38	.....	.....
		HF	45	2 Ceti.....	10	"	23. 58. 6'34	[-17'58]		4'97	57'43	+52'32	[+ 0'14]	.....	.....
		HF	46	Mösting A.....	5	"	0. 3.			28'76			52'52		0. 4. 5'23
		HF	47	γ 2 L.....	3	"	0. 4. 17'55			16'20				-1. 3'76	0. 4. 4'91
		HF	48	Bradley 1672 S.P.....	9	19'807	0. 13. 0'79			53'93	46'42	+52'49		.....	.....
		HF	49	1 Ceti.....	10	19'500	0. 13. 49'04			47'69	40'18	+52'49		.....	.....
		HF	50	10 Ceti.....	10	"	0. 20. 58'88			57'54					0. 21. 50'06
		HF	51	12 Ceti.....	7	"	0. 24. 25'17			23'82	16'35	+52'53		.....	.....
		HF	52	14 Ceti.....	10	"	0. 29. 53'92			52'58					0. 30. 45'10
Aug. 10	0°, r.	AW	53	α Arietis.....	9	"	2. 1. 2'44	+ 0'34		1'02	54'06	+53'03	+52'99	.....	.....
		AW	54	γ 2 L.....	10	"	2. 28. 29'90	(-12'71)		28'46			[+ 0'10]	-1. 2'33	2. 28. 19'08
		AW	55	α Ceti.....	9	"	2. 56. 31'56	[-18'27]		30'11	23'06	+52'94		.....	.....

3. Observed on wire 15.

7. G. M. T. of observation 7^h 38^m 37^s.81; seconds of Tab. R. A. 38^s.40.

10. Faint; cloudy.

11, 23, 38. Observed on wire 8.

21. Observed on wire 19.

31. Observed on wire 22.

36. Observed on wire 14.

39, 40, 47. Cloudy.

43. G. M. T. of observation 10^h 36^m 31^s.43; seconds of Tab. R. A. 46^s.50.46. G. M. T. of observation 15^h 1^m 29^s.54; seconds of Tab. R. A. 5^s.23.

48. Observed on wire 12.

MONTH and DATE	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of Collimation (Level) [Azimuth]	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at Sidereal.	Adopted Clock Slow at Sidereal and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
						r	h m s	"	s	s	s	s	m s	h m s
1906. Aug. 20	O°, r.	AC	1	λ Ursæ Minoris	8	19'535	19. 15. 27'86	+ 0'02	22'75	18'03	+55'35	+53'05		.....
		AC	2	α Vulpeculæ	10	19'500	19. 23. 58'51	(-15'52)	56'89	49'87	+53'04	[- 0'07]		.....
		AC	3	α Aquilæ	10	"	19. 45. 22'78	[-18'03]	21'18	14'16	+53'04			.....
		AC	4	Groombridge 1119 S.P.	10	19'321	20. 2. 45'05		46'69	42'03	+55'40			.....
		AC	5	α Delphini	10	19'500	20. 34. 27'36		25'75	18'77	+53'08			.....
Aug. 21	O°, r.	HF	6	⊙ 1 L.	7	19'500	9. 56. 51'15	+ 1'37 (-14'68) [-15'40]	49'81			+52'76 [- 0'07]	+1. 5'03	9. 58. 47'57
		HF	7	σ Ophiuchi	4	"	17. 21. 1'39	(-14'52)	0'08	52'73	+52'70			17. 21. 52'79
		HF	8	α Ophiuchi	10	"	17. 29. 44'51	[-15'20]	43'18	35'93	+52'80			17. 30. 35'89
		HF	9	μ Herculis	10	"	17. 41. 57'01		55'65	48'37	+52'77			17. 42. 48'36
		HF	10	δ Ursæ Minoris	8	19'080	18. 1. 50'75		48'73	41'06	+52'38			.....
		HF	11	72 Ophiuchi	9	19'500	18. 2. 4'02		2'69	55'46	+52'82			18. 2. 55'40
		HF	12	β ¹ Lyræ	9	"	18. 45. 47'24		45'86	38'59	+52'78			18. 46. 38'57
		HF	13	ε Aquilæ	8	"	18. 54. 32'08		30'74	23'47	+52'79			18. 55. 23'44
		HF	14	Cephei 51 S.P.	10	21'515	18. 55. 40'32		39'67	31'85	+52'24			.....
		HF	15	ψ Sagittarii	10	19'500	19. 8. 57'78		56'54	49'19	+52'71			19. 9. 49'24
Aug. 28	O°, r.	AC	16	⊙ 1 L.	10	19'500	10. 22. 34'34	+ 0'36 (-14'38) [+38'35]	35'35			+52'36 [- 0'07]	+1. 4'58	10. 24. 32'26
		AC	17	⊙ 2 L.	8	"	10. 24. 43'75		44'76				-1. 4'58	10. 24. 32'51
		AC	18	⊙ 1 L.	10	"	17. 49. 56'04	+ 0'88 (-12'72) [+40'46]	58'56				+1. 11'70	17. 52. 2'64
		AC	19	Möstring A.	8	"	17. 51.		11'60					17. 52. 2'79
		AC	20	δ Ursæ Minoris	9	19'107	18. 2. 23'18		46'09	38'44	+52'40			.....
		AC	21	η Serpentis	5	19'500	18. 15. 34'60		36'36	28'66	+52'35			18. 16. 28'67
		AC	22	2 Aquilæ	15	"	18. 36. 15'42		17'44	9'73	+52'34			18. 37. 9'75
		AC	23	Cephei 51 S.P.	9	20'154	18. 54. 54'19		42'31	34'67	+52'42			.....
		AC	24	β Capricorni	6	19'500	20. 14. 51'74		54'01	46'35	+52'40			20. 15. 46'31
		AC	25	θ Capricorni	10	"	20. 59. 47'81		50'19	42'44	+52'31			21. 0. 42'49
		AC	26	ζ Cygni	10	"	21. 8. 6'07		6'38	58'72	+52'40			21. 8. 58'68
		AC	27	ι Capricorni	10	"	21. 16. 8'77		11'14	3'42	+52'34			21. 17. 3'44
Aug. 29	O°, r.	HF	28	⊙ 1 L.	8	19'500	10. 26. 13'69	(-13'57) [+38'16]	14'79			+52'31 [- 0'06]	+1. 4'53	10. 28. 11'60
		HF	29	⊙ 2 L.	7	"	10. 28. 22'79		23'89				-1. 4'53	10. 28. 11'64
		HF	30	Venus 1 L.	10	"	13. 12. 40'41		42'33				+ 0'67	13. 13. 35'28
		HF	31	Polaris S.P.	10	18'448	13. 23. 36'67		25'07	16'97	+51'93			.....
		HF	32	ε ² Boötis	10	19'500	14. 40. 0'54		0'98	53'29	+52'35			14. 40. 53'25
		HF	33	β Ophiuchi	10	"	17. 37. 57'67	(-12'41) [+39'70]	59'10	51'38	+52'32			17. 38. 51'37
		HF	34	89 Herculis	7	"	17. 50. 46'46		46'96	39'21	+52'29			17. 51. 39'23
		HF	35	δ Ursæ Minoris	10	20'247	18. 2. 22'05		45'79	37'62	+51'88			.....
		HF	36	21 Sagittarii	10	19'500	18. 18. 52'59		55'07					18. 19. 47'33
		HF	37	Piazzi XVIII. 82	10	"	18. 23. 47'87		50'27					18. 24. 42'53
		HF	38	α Lyræ	6	"	18. 32. 55'09		54'89	47'14	+52'30			18. 33. 47'15
		HF	39	2 Aquilæ	10	"	18. 36. 15'53		17'52	9'72	+52'25			18. 37. 9'78
		HF	40	β ¹ Lyræ	10	"	18. 45. 46'02		46'15	38'46	+52'36			18. 46. 38'41
		HF	41	⊙ 1 L.	10	"	18. 52. 32'08		34'59				+1. 11'72	18. 54. 38'64
		HF	42	Möstring A.	7	"	18. 53.		56'36					18. 54. 39'13
		HF	43	ω Aquilæ	10	"	19. 12. 32'92		34'08	26'36	+52'33			19. 13. 26'34
Aug. 30	O°, r.	AW	44	⊙ 1 L.	5	19'500	10. 29. 52'20	+ 1'40 (-12'60) [+39'29]	53'45			+51'99 [+ 0'03]	+1. 4'45	10. 31. 49'90
		AW	45	Cephei 51 S.P.	8	26'873	18. 54. 57'41	(-11'14) [+41'12]	43'83	35'64	+51'79			.....
		AW	46	ψ Sagittarii	9	19'500	19. 8. 54'26		57'13	49'10	+51'95			19. 9. 49'14
		AW	47	λ Ursæ Minoris	9	22'168	19. 17. 20'04		15'34	7'26	+51'90			.....
		AW	48	50 Sagittarii	9	19'500	19. 19. 50'54		53'24					19. 20. 45'25
		AW	49	h ² Sagittarii	9	"	19. 30. 6'88		9'73	1'79	+52'04			19. 31. 1'74
		AW	50	γ Aquilæ	9	"	19. 40. 56'24		57'60	49'67	+52'05			19. 41. 49'61
		AW	51	⊙ 1 L.	5	"	19. 54. 35'09		37'72				+1. 10'91	19. 56. 40'71
		AW	52	Piazzi XX. 194	9	"	20. 29. 21'18		23'65					20. 30. 15'67
		AW	53	ε Aquarii	9	"	20. 41. 43'61		45'79	37'80	+51'98			20. 42. 37'81
		AW	54	32 Vulpeculæ	9	"	20. 49. 43'12		43'71	35'73	+51'99			20. 50. 35'73
		AW	55	θ Capricorni	9	"	20. 59. 47'95		50'46	42'44	+51'95			21. 0. 42'48

1. Observed on wire 16.
4, 14, 23, 31, 35. Observed on wire 14.
10. Observed on wire 19.

19. G. M. T. of observation 7^h 27^m 39^s.07; seconds of Tab. R. A. 2^s.23.
20. Observed on wire 13.
42. G. M. T. of observation 8^h 26^m 17^s.59; seconds of Tab. R. A. 3^s.55.

45. Observed on wire 19.
47. Observed on wire 8.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and (Losing Rate).	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
								Collimation						
								(Level) [Azimuth].						
						r	h m s	"	s	s	s	s	m s	h m s
1906. Aug. 31	0°, r.	AC	1	⊙ 1 L.....	6	19'500	10. 33. 30'57	+ 1'40 (- 11'56)	31'91			+ 52'37	+ 1. 4'43	10. 35. 28'72
		AC	2	⊙ 2 L.....	10	"	10. 35. 39'43	[+ 39'74]	40'77			[+ 0'03]	- 1. 4'43	10. 35. 28'72
		AC	3	λ Ursæ Minoris.....	9	20'417	19. 17. 15'98	(- 13'10)	13'06	5'99	+ 52'91			.....
		AC	4	γ Sagittæ.....R.	3	19'500	19. 53. 42'16	[+ 37'81]	42'89					19. 54. 36'84
		AC	5	ρ Aquilæ.....R.	5	"	20. 9. 3'29		4'19					20. 9. 58'05
		AC	6	ρ Capricorni.....	9	"	20. 22. 37'88		40'15	32'53	+ 52'35			20. 23. 32'55
		AC	7	Piazzī XX. 194.....	9	"	20. 29. 21'07		23'28					20. 30. 15'68
		AC	8	α Delphini.....	7	"	20. 34. 25'44		26'34	18'71	+ 52'34			20. 35. 18'74
		AC	9	δ 1 L.....	12	"	20. 54. 49'86		52'13			+ 1. 9'45		20. 56. 54'04
		AC	10	Mösting A.....	11	"	20. 55.		56'92					20. 56. 53'89
		AC	11	ζ Cancri.....	8	"	21. 8. 6'10		6'35	58'71	+ 52'33			21. 8. 58'75
		AC	12	α Equulei.....	9	"	21. 10. 16'29		17'62	9'99				21. 11. 10'02
		AC	13	ι Capricorni.....	6	"	21. 16. 8'76		10'99	3'43	+ 52'34			21. 17. 3'39
		AC	14	Groombridge 3548.....	9	17'684	21. 18. 29'97		54'47	46'41	+ 51'91			.....
		AC	15	β Aquarii.....	6	19'500	21. 25. 45'00		46'77	39'21	+ 52'41			21. 26. 39'17
		AC	16	γ Capricorni.....	10	"	21. 34. 1'06		3'28					21. 34. 55'68
		AC	17	16 Cephei.....R.	4	"	21. 57. 8'34		8'32					21. 58. 0'72
		AC	18	16 Cephei.....	5	"	21. 57. 13'35		7'85					21. 58. 0'25
Sept. 1	0°, r.	AW	19	⊙ 1 L.....	5	19'500	10. 37. 8'77	(- 14'93)	9'89			+ 51'99	+ 1. 4'38	10. 39. 6'27
		AW	20	⊙ 2 L.....	10	"	10. 39. 17'37	[+ 38'19]	18'49			[+ 0'03]	- 1. 4'38	10. 39. 6'11
		AW	21	λ Ursæ Minoris.....	9	22'019	19. 17. 21'85	(- 11'44)	12'82	4'77	+ 51'93			.....
		AW	22	ε Sagittarii.....	7	19'500	19. 34. 28'20	[+ 42'58]	30'74	22'70	+ 51'94			19. 35. 22'75
		AW	23	γ Aquilæ.....	9	"	19. 40. 56'19		57'60	49'66	+ 52'04			19. 41. 49'61
		AW	24	β Aquilæ.....	9	"	19. 49. 50'36		51'93	44'00	+ 52'05			19. 50. 43'94
		AW	25	Groombridge 1119 S.P.....	9	16'805	20. 0. 59'05		56'73	52'29	+ 55'53			.....
		AW	26	μ Aquarii.....	9	19'500	20. 46. 43'29		45'52	37'56	+ 52'01			20. 47. 37'54
		AW	27	θ Capricorni.....	9	"	20. 59. 47'84		50'43	42'43	+ 51'97			21. 0. 42'45
		AW	28	ζ Cygni.....	9	"	21. 8. 6'13		6'62	58'70	+ 52'05			21. 8. 58'64
		AW	29	ι Capricorni.....	9	"	21. 16. 8'83		11'40	3'43				21. 17. 3'42
		AW	30	γ Capricorni.....	9	"	21. 34. 1'06		3'63					21. 34. 55'65
		AW	31	δ 1 L.....	5	"	21. 52. 27'93		30'40			+ 1. 7'66		21. 54. 30'16
		AW	32	50 Aquarii.....	7	"	22. 18. 33'22		35'65					22. 19. 27'67
		AW	33	σ Aquarii.....	9	"	22. 24. 48'64		50'95	42'94	+ 51'96			22. 25. 42'97
Sept. 2	0°, r.	AW	34	50 Aquarii.....	9	19'500	22. 18. 33'14	(- 11'80)	35'46			+ 52'18		22. 19. 27'65
		AW	35	σ Aquarii.....	7	"	22. 24. 48'62	[+ 40'95]	50'82	42'95	+ 52'12	[+ 0'01]		.....
		AW	36	δ 1 L.....	5	"	22. 47. 14'59		16'78			+ 1. 5'88		22. 48. 14'91
		AW	37	ψ 1 Aquarii.....	9	"	23. 10. 6'23		8'36					23. 11. 0'55
		AW	38	Lalande 45698-9.....	9	"	23. 14. 58'52		0'52					23. 15. 52'71
		AW	39	Bradley 3147.....	10	24'996	23. 28. 1'68		23'70	15'95	+ 52'24			.....
		AW	40	ι Piscium.....	9	19'500	23. 34. 15'68		17'20	9'45	+ 52'24			.....
Sept. 3	180°, r.	AC	41	⊙ 1 L.....	5	19'500	10. 44. 24'01	- 1'95	24'90			+ 52'60	+ 1. 4'30	10. 46. 21'78
		AC	42	⊙ 2 L.....	8	"	10. 46. 32'60	(+ 7'52)	33'49			[+ 0'05]	- 1. 4'30	10. 46. 21'77
								[+ 14'42]						.....
		AC	43	ε Aquarii.....	7	"	20. 41. 44'31	(+ 7'08)	45'23	37'78	+ 52'59			.....
		AC	44	Bradley 2748.....R.	4	"	20. 55. 8'41	[+ 13'87]	4'63					20. 55. 57'19
		AC	45	Bradley 2748.....	3	"	20. 55. 4'63		4'32					20. 55. 56'88
		AC	46	Groombridge 3548.....	8	19'582	21. 17. 57'41		52'70	45'83	+ 53'17			.....
		AC	47	ι Pegasi.....	6	19'500	22. 1. 47'43		48'22	40'76	+ 52'59			.....
		AC	48	ψ 1 Aquarii.....	10	"	23. 10. 7'14		8'06					23. 11. 0'61
		AC	49	Lalande 45698-9.....	7	"	23. 14. 59'19		0'09					23. 15. 52'64
		AC	50	κ Piscium.....	10	"	23. 21. 15'91		16'80	9'35	+ 52'60			.....
		AC	51	Bradley 3147.....	10	18'739	23. 27. 29'03		24'07	15'99	+ 51'97			.....
		AC	52	Mösting A.....	6	19'500	23. 40.		36'90					23. 41. 22'69
		AC	53	δ 2 L.....	4	"	23. 41. 33'22		34'12			- 1. 4'36		23. 43. 31'06
Sept. 5	180°, r.	AC	54	ζ 1 Piscium.....	10	19'500	1. 7. 58'33	(+ 7'67)	59'32	51'51	+ 52'19	+ 52'20		.....
		AC	55	δ 2 L.....	12	19'500	1. 20. 15'00	[+ 14'59]	16'00			[+ 0'06]	- 1. 2'62	1. 20. 5'61
		AC	56	η Piscium.....	11	"	1. 25. 36'31		37'27	29'52	+ 52'25			.....

3, 21. Observed on wire 7.
 10. G. M. T. of observation 10^h 20^m 68^s.49; seconds of Tab. R. A. 53^s.45.
 14, 51. Observed on wire 14.
 25. Observed on wire 21.

36. Correction for defective illumination - 0^s.01.
 39. Observed on wire 15.
 46. Observed on wire 16.
 52. G. M. T. of observation 12^h 52^m 31^s.88; seconds of Tab. R. A. 22^s.50.

MONTH and DAY	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at Sideral.	Adopted Clock Slow at Sideral and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.		
								Collimation								
								(Level)								
								[Azimuth].								
								"	s	s	s	s	m s	h m s		
1906. Sept. 5	180°, r.	AC	1	Polaris.....	10	19'420	1. 25. 41'16	- 1'95 (+ 7'67)	29'41	21'67	+52'26	+52'20		.....		
		AC	2	ν Piscium.....	4	19'500	1. 35. 41'42	[+14'59]	42'41	34'56	+52'15	[- 0'06]		.....		
Sept. 9	180°, r.	AW	3	ε Tauri.....	7	19'500	4. 22. 16'78	- 0'96 (+ 7'33) [+14'15]	17'68	9'35	+51'68	+51'68 [- 0'04]		.....		
Sept. 25	180°, r.	AC	4	δ 1 L.....	10	19'500	18. 33. 40'39	- 0'35 (+ 6'81) [+ 9'46]	41'16			+49'07	+1. 11'60	18. 35. 41'65		
		AC	5	β ¹ Lyra.....	10	"	18. 45. 48'30		49'03	37'88	+49'05	[- 0'25]		18. 46. 37'90		
		AC	6	Piazzi XVIII. 316.....	9	"	19. 3. 27'82		28'59					19. 4. 17'46		
		AC	7	ψ Sagittarii.....	10	"	19. 8. 59'03		59'81	48'67	+49'06			19. 9. 48'68		
		AC	8	δ Sagittarii.....	10	"	19. 11. 20'48		21'25					19. 12. 10'12		
		SE	9	α Vulpeculae.....	10	"	19. 23. 59'77		0'52	49'30	+48'98	+48'98		.....		
		AC	10	ζ Cygni.....	10	"	21. 8. 8'84		9'57	58'45	+49'10	+49'07		21. 8. 58'42		
		AC	11	Groombridge 3548.....	10	19'766	21. 17. 52'20		51'95	40'69	+48'52			21. 32. 47'41		
		AC	12	ξ Aquarii.....	10	19'500	21. 31. 57'81		58'57	47'33	+48'98			21. 48. 49'60		
		AC	13	16 Pegasi.....	10	"	21. 48. 0'02		0'76	49'59	+49'06			22. 11. 54'96		
		AC	14	θ Aquarii.....	9	"	22. 11. 5'36		6'12	54'98	+49'09			23. 0. 7'31		
		AC	15	α Pegasi.....	9	"	22. 59. 17'73		18'48	7'35	+49'11			23. 12. 20'12		
		AC	16	γ Piscium.....	4	"	23. 11. 30'53		31'29	20'20	+49'15					
		Sept. 26	180°, r.	HF	17	ε Aquilæ.....	10	"	18. 54. 33'37	(+ 7'62) [+12'66]	34'29	22'89	+48'72	+48'73 [- 0'15]		
				HF	18	Cephei 51 S.P.....	10	21'348	18. 55. 55'77		59'83	48'66	+48'95			
				HF	19	ζ Aquilæ.....	10	19'500	19. 0. 17'41		18'34	6'96	+48'74			
HF	20			ψ Sagittarii.....	9	"	19. 8. 58'96		59'98	48'66	+48'80			.....		
HF	21			δ Sagittarii.....	10	"	19. 11. 20'51		21'52					19. 12. 10'13		
HF	22			λ Ursæ Minoris.....	10	18'999	19. 14. 51'15		43'44	32'29	+48'97			.....		
HF	23			δ 1 L.....	9	19'500	19. 35. 15'48		16'49			+1. 10'80		19. 37. 15'92		
HF	24			σ Capricorni.....	10	"	20. 13. 10'97		11'98					20. 14. 0'58		
HF	25			π Capricorni.....	10	"	20. 21. 9'18		10'19					20. 21. 58'79		
HF	26			ε Delphini.....	9	"	20. 27. 55'95		56'88	45'41	+48'66			.....		
Sept. 27	180°, r.	AW	27	⊙ 2 L.....	5	19'500	12. 12. 55'62	(+ 7'78) [+12'98]	56'60			+48'55	-1. 4'10	12. 12. 41'00		
		AW	28	Cephei 51 S.P.....	8	11'896	18. 55. 56'34	(+ 7'52) [+12'65]	0'48	49'23	+48'83	[- 0'10]		.....		
		AW	29	λ Ursæ Minoris.....	10	21'373	19. 14. 51'09		43'10	30'74	+47'72			.....		
		AW	30	δ Aquilæ.....	9	19'500	19. 19. 57'88		58'82	47'32	+48'58			.....		
		AW	31	h ² Sagittarii.....	9	"	19. 30. 11'85		12'86	1'38	+48'60			.....		
		AW	32	γ Aquilæ.....	7	"	19. 40. 59'95		0'85	49'27	+48'50			.....		
		AW	33	β Aquilæ.....	7	"	19. 49. 54'24		55'18	43'64	+48'54			.....		
		AW	34	σ Capricorni.....	7	"	20. 13. 11'00		12'00					20. 14. 0'47		
		AW	35	π Capricorni.....	9	"	20. 21. 9'26		10'26					20. 21. 58'72		
		AW	36	δ 1 L.....	5	"	20. 35. 5'18		6'17			+1. 9'40		20. 37. 4'05		
		AW	37	Möisting A.....	4	"	20. 36.		17'25					20. 37. 4'09		
		AW	38	ι Capricorni.....	7	"	21. 16. 13'78		14'77	3'23	+48'55			.....		
		AW	39	Groombridge 3548.....	9	21'565	21. 17. 52'36		50'67	40'01	+49'43			.....		
Sept. 28	180°, r.	AW	40	⊙ 1 L.....	6	19'500	12. 14. 23'94	(+ 9'99) [+15'83]	25'16			+48'34	+1. 4'13	12. 16. 17'58		
		AW	41	λ Ursæ Minoris.....	10	20'107	19. 14. 48'71	(+ 8'68) [+14'19]	40'66	29'25	+48'67	[- 0'10]		.....		
		AW	42	γ Aquilæ.....	9	19'500	19. 40. 59'93		0'99	49'25	+48'34			19. 41. 49'25		
		AW	43	β Aquilæ.....	7	"	19. 49. 54'27		55'34	43'63	+48'37			19. 50. 43'60		
		AW	44	Groombridge 1119 S.P.....	11	19'678	20. 3. 22'74		32'17	20'69	+48'60			.....		
		AW	45	θ Aquilæ.....	9	19'500	20. 5. 39'97		41'05	29'32	+48'35			20. 6. 29'31		
		AW	46	ε Delphini.....	9	"	20. 27. 56'07		57'12	45'38	+48'35			20. 28. 45'37		
		AW	47	α Delphini.....	7	"	20. 34. 29'11		30'15	18'39	+48'33			20. 35. 18'40		
		AW	48	ε Aquarii.....	7	"	20. 41. 48'18		49'28	37'53	+48'34			20. 42. 37'53		
		AW	49	θ Capricorni.....	7	"	20. 59. 52'85		53'97	42'21	+48'33			21. 0. 42'22		
		AW	50	B.D. - 17° 6216.....	9	"	21. 9. 4'15		5'27					21. 9. 53'52		
		AW	51	δ 1 L.....	6	"	21. 32. 26'42		27'54			+1. 7'69		21. 34. 23'51		
		AW	52	μ Capricorni.....	9	"	21. 47. 23'43		24'54					21. 48. 12'79		
		AW	53	ι Aquarii.....	9	"	22. 0. 34'83		35'94					22. 1. 24'19		

1, 18, 22, 29, 41. Observed on wire 19.
11. Observed on wire 10.
28. Observed on wire 7.

37. G. M. T. of observation 8^h 14^m 16^s.63; seconds of Tab. R. A. 3^s.80.
39. Observed on wire 21.

40. Cloudy.
44. Observed on wire 9.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION,

1906 MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit. h m s	Error of Collimation (Level) [Azimuth]. "	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal. s	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate]. s	Correction for Passage of Semidiameter. m s	Apparent R.A. of Centre from the Observation. h m s
1906. Sept. 29	180°, r.	AC	1	⊙ 1 L.....	8	19.500	12. 17. 0.32	- 0.35 (+ 9.74)	1.51			+48.23	+1. 4.19	12. 18. 53.90
		AC	2	⊙ 2 L.....	12	"	12. 19. 8.73	[+15.44]	9.92			[- 0.06]	-1. 4.19	12. 18. 53.93
		AC	3	32 Vulpeculæ.....	10	"	20. 49. 46.11	(+ 9.50)	47.19	35.37	+48.27			20. 50. 35.37
		AC	4	ζ Cygni.....	9	"	21. 8. 9.12	[+15.13]	10.19	58.39	+48.29			21. 8. 58.37
		AC	5	α Equulei.....	10	"	21. 10. 20.42		21.57	9.77	+48.29			21. 11. 9.75
		AC	6	Groombridge 3548.....	10	18.880	21. 17. 52.61		51.14	39.34	+48.25			.....
		AC	7	ε Pegasi.....	10	19.500	21. 38. 47.21		48.35	36.53	+48.27			21. 39. 36.53
		AC	8	μ Capricorni.....	10	"	21. 47. 23.45		24.64					21. 48. 12.82
		AC	9	α Aquarii.....	5	"	22. 0. 10.53		11.69	59.84	+48.24			22. 0. 59.86
		AC	10	ι Aquarii.....	8	"	22. 0. 34.85		36.04					22. 1. 24.21
		AC	11	θ Aquarii.....	7	"	22. 11. 5.58		6.76	54.95	+48.28			22. 11. 54.93
		AC	12	δ 1 L.....	10	"	22. 27. 6.36		7.55			+1. 5.96		22. 29. 1.71
		AC	13	Mösting A.....	13	"	22. 28.		27.21					22. 29. 2.19
		AC	14	74 Aquarii.....	10	"	22. 47. 45.01		46.20					22. 48. 34.37
Oct. 1	180°, r.	AC	15	⊙ 1 L.....	7	19.500	12. 25. 13.93	(+ 9.37)	15.25			+48.06	+1. 4.27	12. 27. 7.53
		AC	16	⊙ 2 L.....	9	"	12. 27. 22.59	[+18.04]	23.91			[- 0.10]	-1. 4.27	12. 27. 7.65
Oct. 2	180°, r.	HF	17	ε Andromedæ.....	10	19.500	0. 32. 49.70	- 0.35 (+ 6.19)	50.52	38.22	+47.70	+47.71		.....
		HF	18	β Ceti.....	10	"	0. 38. 6.15	[+14.03]	7.21	54.94	+47.73	[- 0.10]		.....
Oct. 6	180°, r.	AC	19	Al Tauri.....	10	19.500	3. 58. 22.82	+ 0.04 (+ 4.60)	23.65	10.85	+47.22	+47.23		.....
		AC	20	B.D. + 14° 657.....	10	"	4. 1. 37.15	[+15.10]	38.02			[- 0.11]		4. 2. 25.23
		AC	21	Mösting A.....	7	"	4. 13.		42.26				-1. 3.83	4. 14. 13.97
		AC	22	δ 2 L.....	11	"	4. 14. 29.23		30.10					4. 14. 13.50
		AC	23	Aldebaran.....	5	"	4. 29. 45.92		46.79	33.99	+47.22			.....
		AC	24	Piazzi IV. 179.....	10	"	4. 40. 1.84		2.69					4. 40. 49.90
		AC	25	ι Tauri.....	10	"	4. 45. 6.83		7.67					4. 45. 54.88
		AC	26	ι Aurigæ.....	10	"	4. 50. 6.94		7.67	54.91	+47.26			.....
Oct. 8	180°, r.	AC	27	α Orionis.....	10	19.500	5. 49. 19.01	(+ 5.12)	19.99	6.94	+47.01	+47.03		.....
		AC	28	Mösting A.....	4	"	5. 55.	[+15.76]	14.65			[- 0.22]		5. 56. 9.77
		AC	29	ν Orionis.....	10	"	6. 1. 26.42		27.35	14.27	+46.98			.....
		AC	30	δ Ursæ Minoris S.P.....	9	20.947	6. 1. 27.15		34.67	21.57	+46.97			.....
		AC	31	μ Geminorum.....	7	19.500	6. 16. 30.56		31.43	18.44	+47.07			.....
		AC	32	ν Geminorum.....	6	"	6. 22. 36.94		37.83	24.86	+47.09			.....
		AC	33	γ Geminorum.....	10	"	6. 31. 30.90		31.82	18.77	+47.01			.....
Oct. 23	180°, r.	AC	34	⊙ 1 L.....	8	18.500	13. 46. 34.51	- 0.74 (+ 4.61)	35.14			+45.45	+1. 5.87	13. 48. 26.39
		AC	35	λ Ursæ Minoris.....	10	18.354	19. 14. 18.34	[+ 8.76]	9.04	53.06	+44.12	[- 0.13]		.....
		AC	36	δ 1 L.....	15	18.500	19. 16. 35.25	(+ 4.24)	35.86				+1. 11.79	19. 18. 33.00
		AC	37	ε Sagittarii.....	15	"	19. 34. 35.97	[+ 8.29]	36.57	21.86	+45.40			19. 35. 21.91
		AC	38	ζ Sagittarii.....	15	"	19. 40. 8.47		9.08					19. 40. 54.42
		AC	39	β Aquilæ.....	13	"	19. 49. 57.32		57.87	43.20	+45.44			19. 50. 43.21
		AC	40	Groombridge 1119 S.P.....	10	18.818	20. 3. 57.82		7.46	52.43	+45.08			.....
		AC	41	ρ Capricorni.....	15	18.500	20. 22. 45.85		46.45	31.79	+45.45			20. 23. 31.79
		AC	42	γ Piscium.....	15	"	23. 11. 34.19		34.74	20.08	+45.47			23. 12. 20.06
		AC	43	α Andromedæ.....	15	"	0. 2. 48.79		49.27	34.60	+45.33	+45.32		0. 3. 34.59
		AC	44	Bradley 1672 S.P.....	10	18.913	0. 12. 46.74		52.87	37.58	+44.71			.....
		AC	45	44 Piscium.....	15	18.500	0. 19. 51.85		52.41	37.73	+45.32			0. 20. 37.73
		AC	46	Pallas.....	12	"	0. 42. 13.60		14.20					0. 42. 59.52
Oct. 24	180°, r.	HF	47	Groombridge 1119 S.P.....	10	18.479	20. 4. 3.94	+ 0.19	9.97	53.94	+44.09	+45.07		.....
		HF	48	θ Aquilæ.....	15	18.500	20. 5. 43.19	(+ 5.23)	43.90	28.89	+45.11	[- 0.14]		.....
		HF	49	δ 1 L.....	10	"	20. 17. 40.03	[+ 9.32]	40.78				+1. 10.20	20. 19. 35.95
		HF	50	Piazzi XX. 240.....	9	"	20. 34. 31.81		32.55					20. 35. 17.50
		HF	51	B.D. - 19° 5950.....	15	"	20. 47. 27.12		27.87					20. 48. 12.82
		HF	52	Groombridge 3548.....	10	20.997	21. 17. 47.75		48.44	30.70	+42.38			.....

6, 52. Observed on wire 14.

13. G. M. T. of observation 9^h 58^m 16^s.12; seconds of Tab. R. A. 1^s.90.

17. Cloudy.

21. G. M. T. of observation 15^h 15^m 28^s.31; seconds of Tab. R. A. 1^s.75.28. G. M. T. of observation 16^h 48^m 26^s.02; seconds of Tab. R. A. 9^s.29.

30, 40. Observed on wire 8.

35. Observed on wire 21.

44. Observed on wire 15.

47. Observed on wire 12.

MONTH and DATE	Position of Instrument	Observer	No. for Reference	NAME OF OBJECT	Number of Wires	Reading of Transit Micrometer	Observed Transit	Error of	Seconds of Transit Cor- rected	Tabular R.A. of Known Stars	Clock apparently Slow at Sidereal [Losing Rate]	Adopted Clock Slow at Sidereal and [Losing Rate]	Correction for Passage of Semi-diameter	Apparent R.A. of Centre from the Observation
								Collimation (Level) [Azimuth]						
						r	h m s	"	s	s	s	s	m s	h m s
1906.														
Oct. 24	180°, r.	HF	1	β Aquarii	9	18.500	21. 25. 53.02	+ 0.19	53.74	38.70	+45.07	+45.07		.....
		HF	2	ξ Aquarii	12	"	21. 32. 1.30	(+ 5.23)	2.03	46.97	+45.07	[- 0.14]		.....
		HF	3	ϵ Pegasi	14	"	21. 38. 50.57	[+ 9.32]	51.26	36.21	+45.08			.....
		HF	4	ι Pegasi	15	"	22. 1. 54.74		55.40	40.30	+45.03			.....
Oct. 25	180°, r.	SE	5	ϵ Delphini	10	19.500	20. 27. 59.23	(+ 5.23)	59.95	44.83	+44.98	+45.01		.....
		SE	6	θ Capricorni	10	"	20. 59. 56.03	[+ 10.09]	56.82	41.80	+45.09	[- 0.12]		.....
		SE	7	δ Piscium	9	"	0. 43. 5.52		6.25	51.08	+44.83	+44.89		.....
Oct. 27	180°, r.	AC	8	$\odot$ 2 L.	11	18.500	14. 3. 3.93	(+ 6.46)	4.87			+44.86	-1. 6.28	14. 2. 43.44
		AC	9	α Delphini	5	"	20. 34. 32.24	(+ 5.92)	33.04	17.90	+44.87	[- 0.01]		20. 35. 17.89
		AC	10	32 Vulpeculæ	13	"	20. 49. 49.13	[+ 11.27]	49.90	34.84	+44.95			20. 50. 34.75
		AC	11	δ 1 L.	15	"	23. 3. 2.08		2.95				+1. 4.57	23. 4. 52.39
		AC	12	Mösting A.	15	"	23. 4.		22.42					23. 4. 52.99
		AC	13	Bradley 3147	10	18.747	23. 27. 27.36		25.59	10.40	+44.82			.....
		AC	14	Piazzi XXIII. 126.	15	18.500	23. 29. 58.00		58.86					23. 30. 43.71
		AC	15	δ Sculptoris	10	"	23. 43. 18.78		19.71	4.45	+44.74			23. 44. 4.56
		AC	16	ω Piscium	15	"	23. 53. 46.00		46.82	31.69	+44.88			23. 54. 31.67
		AC	17	z Ceti	15	"	23. 58. 12.32		13.21	58.09	+44.89			23. 58. 58.06
		AC	18	Bradley 1672 S.P.	8	18.809	0. 12. 48.84		54.35	39.07	+44.72	+44.85		.....
		AC	19	μ Andromedæ	15	18.500	0. 50. 49.87		50.60	35.38	+44.78			0. 51. 35.45
		AC	20	ν Piscium	5	"	1. 13. 36.24		36.19					1. 14. 21.04
		AC	21	ν Piscium	4	"	1. 13. 35.45		36.21					1. 14. 21.06
Oct. 28	180°, r.	AW	22	γ Piscium	9	"	23. 11. 34.63		35.46	20.04	+44.72	+44.72		.....
		AW	23	Piazzi XXIII. 126.	7	"	23. 15. 7.15		8.01			[- 0.15]		23. 15. 52.58
Oct. 29	180°, r.	AC	24	$\odot$ 1 L.	8	"	14. 9. 34.30	(+ 5.70)	35.16			+44.86	+1. 6.48	14. 11. 26.41
		AC	25	$\odot$ 2 L.	12	"	14. 11. 47.21	[+ 10.96]	48.07			[- 0.15]	-1. 6.48	14. 11. 26.36
		AC	26	α Andromedæ	15	"	0. 2. 49.15	(+ 5.48)	49.86	34.57	+44.71	+44.71		.....
		AC	27	Polaris	10	18.314	1. 25. 59.08	[+ 10.69]	52.90	37.62	+44.73			.....
Nov. 2	180°, r.	SE	28	τ^1 Arietis	5	18.500	3. 15. 6.25	+ 0.83	7.10	51.18	+44.10	+44.10		.....
Nov. 3	180°, r.	AW	29	α Arietis	9	"	2. 1. 10.86	(+ 5.80)	11.66	55.63	+43.98	+43.96		.....
		AW	30	ξ^1 Ceti	7	"	2. 7. 19.15	[+ 11.00]	19.99	3.98	+44.00	[- 0.12]		.....
		AW	31	δ Ceti	9	"	2. 33. 57.91		58.78	42.72	+43.95			.....
		AW	32	ϵ Arietis	9	"	2. 53. 8.65		9.46	53.38	+43.93			.....
Nov. 5	180°, d.	AW	33	α Orionis	7	"	5. 49. 23.02	(+ 9.02)	24.10	7.70	+43.62	+43.51		.....
		AW	34	χ^4 Orionis	9	"	5. 57. 38.62	[+ 14.91]	39.66			[- 0.08]		5. 58. 23.15
		AW	35	μ Geminorum	9	"	6. 16. 34.80		35.83	19.30	+43.49			6. 29. 2.58
		AW	36	Mösting A.	5	"	6. 28.		11.70					6. 45. 57.86
		AW	37	d Geminorum	9	"	6. 45. 13.34		14.37					.....
		AW	38	Cephei 51	9	16.941	6. 56. 29.17		24.14	9.57	+45.45			.....
		AW	39	ζ Geminorum	9	18.500	6. 57. 50.22		51.25	34.65	+43.42			.....
Nov. 7	180°, d.	AC	40	θ Aquilæ	10	"	20. 5. 44.13	(+ 7.50)	45.16	28.67	+43.59	+43.64		.....
		AC	41	μ Aquarii	15	"	20. 46. 52.05	[+ 15.07]	53.12	36.70	+43.67	[- 0.10]		.....
		AC	42	Groombridge 3548	6	19.063	21. 17. 45.44		39.87	25.16	+45.38			.....
Nov. 21	180°, d.	HF	43	β Capricorni	18	18.500	20. 15. 1.04	- 0.65 (+ 6.64) [+ 20.02]	2.44	45.17	+42.76	+42.76		.....
Nov. 22	180°, d.	AW	44	δ 1 L.	9	"	21. 53. 56.83	(+ 6.65)	58.23			+42.67	+1. 7.61	21. 55. 48.52
		AW	45	γ Aquarii	10	"	22. 16. 6.00	[+ 20.04]	7.29	49.96	+42.70	[- 0.03]		22. 16. 49.93
		AW	46	50 Aquarii	9	"	22. 18. 42.92		44.31					22. 19. 26.95
		AW	47	σ Aquarii	9	"	22. 24. 58.27		59.64	42.30	+42.69			22. 25. 42.28
		AW	48	η Aquarii	9	"	22. 29. 49.63		50.91	33.53	+42.65			22. 30. 33.55

12. G. M. T. of observation 8^h 43^m 56^s.74; seconds of Tab. R. A. 52^s.74.

13. Observed on wire 11.

18. Observed on wire 2.

27. Observed on wire 6.

36. G. M. T. of observation 15^h 31^m 8^s.80; seconds of Tab. R. A. 2^s.30.

38. Observed on wire 21.

42. Observed on wire 16.

MERIDIAN TRANSITS OBSERVED WITH THE ALTAZIMUTH, AND COMPUTATIONS OF APPARENT RIGHT ASCENSION.

1906

MONTH and DAY.	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently Slow at 0 ^h Sidereal. [Losing Rate].	Adopted Clock Slow at 0 ^h Sidereal [Losing Rate].	Correction for Passage of Semi-diameter.	Apparent R.A. of Centre from the Observation.
								Collimation						
								(Level) [Azimuth].						
						r	h m s	"	s	s	s	s	m s	h m s
1906.														
Nov. 22	180°, d.	AW	1	ζ Pegasi.....	9	18.500	22. 36. 4.60	- 0.65	5.78	48.40	+42.65	+42.67		22. 36. 48.42
		AW	2	μ Pegasi.....	9	"	22. 44. 46.30	(+ 6.65)	47.35	30.01	+42.69	[- 0.03]		22. 45. 29.99
		AW	3	Fomalhaut.....	9	"	22. 51. 45.42	[+20.04]	46.97	29.60	+42.66			22. 52. 29.61
Nov. 23	180°, d.	AC	4	λ Aquarii.....	5	"	22. 47. 0.68	(+ 5.02)	1.85	44.69	+42.86	+42.82		.....
		AC	5	δ 1 L.....	6	"	22. 47. 36.79	[+17.99]	37.98			[- 0.02]	+1. 5.46	22. 49. 26.27
		AC	6	Bradley 3147	4	18.160	23. 27. 27.54		19.29	2.09	+42.82			.....
		AC	7	ω Piscium	14	18.500	23. 53. 47.62		48.67	31.47	+42.82			.....
		AC	8	α Andromedæ.....	9	"	0. 2. 50.74		51.57	34.33	+42.76	+42.80		.....
Nov. 27	180°, d.	HF	9	γ Aquarii	15	"	22. 15. 6.66	(+ 3.62)	7.55	49.90	+42.37	+42.36		.....
		HF	10	Bradley 1672 S.P.....	6	20.855	0. 12. 54.33	[+15.59]	14.55	53.68	+39.13	+42.34		.....
		HF	11	ε Andromedæ.....	13	18.500	0. 32. 55.06		55.72	38.04	+42.32			.....
		HF	12	δ 1 L.....	10	"	2. 1. 33.08		33.94				+1. 2.02	2. 3. 18.35
		HF	13	Mösting A.....	12	"	2. 2.		33.02					2. 3. 18.31
Nov. 30	180°, d.	AC	14	ξ ¹ Ceti	8	"	2. 7. 20.72	- 1.80	21.61	4.01	+42.40	+42.37		.....
		AC	15	Groombridge 2283 S.P. ..	3	19.543	3. 5. 39.20	(+ 5.80)	50.44	30.44	+40.00	[0.00]		.....
		AC	16	γ ¹ Eridani	5	18.500	3. 52. 58.23	[+14.22]	59.23	41.61	+42.38			.....
		AC	17	Piazzi III. 249	13	"	4. 1. 56.63		57.47					4. 2. 39.84
		AC	18	48 Tauri.....	16	"	4. 9. 46.27		47.03					4. 10. 29.49
		AC	19	γ Tauri.....	8	"	4. 13. 46.88		47.73	30.06	+42.33			.....
		AC	20	δ 1 L.....	14	"	4. 26. 55.41		56.25				+1. 3.95	4. 28. 42.59
		AC	21	δ 2 L.....	7	"	4. 29. 3.19		4.03				-1. 3.95	4. 28. 42.47
		AC	22	Mösting A.....	7	"	4. 27.		38.37					4. 28. 41.77
Dec. 1	180°, d.	AW	23	⊙ 1 L.....	5	"	16. 24. 41.05	(+ 6.13)	42.00			+42.26	+1. 10.17	16. 26. 34.36
		AW	24	⊙ 2 L.....	2	"	16. 27. 1.53	[+13.88]	2.48			[- 0.02]	-1. 10.17	16. 26. 34.50
		AW	25	ξ ² Ceti.....	8	"	2. 22. 29.42	(+ 7.67)	30.40	12.69	+42.29	+42.24		2. 23. 12.63
		AW	26	ν Ceti.....	10	"	2. 30. 16.25	[+15.82]	17.24	59.49	+42.25			2. 30. 59.47
		AW	27	σ Arietis.....	9	"	2. 45. 38.17		39.11	21.37	+42.26			2. 46. 21.36
		AW	28	ε Arietis.....	9	"	2. 53. 10.45		11.36	53.56	+42.20			2. 53. 53.62
		AW	29	Groombridge 2283 S.P. ..	8	19.145	3. 5. 38.20		50.66	30.48	+39.82			.....
		AW	30	τ Arietis.....	10	18.500	3. 15. 8.28		9.19	51.43	+42.24			3. 15. 51.43
		AW	31	ε Eridani.....	10	"	3. 27. 49.78		50.84	33.02	+42.18			3. 28. 33.08
		AW	32	Piazzi IV. 288.....	10	"	4. 59. 20.07		20.99					5. 0. 3.23
Dec. 3	180°, d.	AC	33	δ 2 L.....	7	"	7. 4. 24.38	- 0.67 (+ 6.99) [+15.46]	25.32			+42.48 [+ 0.01]	-1. 5.70	7. 4. 2.12
Dec. 5	180°, d.	AC	34	ε Delphini.....	6	"	20. 28. 0.85	- 1.21	1.85	44.35	+42.47	+42.47		.....
		AC	35	α Delphini.....	15	"	20. 34. 33.80	(+ 7.07)	34.77	17.33	+42.53	[+ 0.04]		.....
		AC	36	Mösting A.....	6	"	8. 47.	[+16.18]	50.07			+42.51		8. 49. 5.36
		AC	37	δ 2 L.....	13	"	8. 49. 28.51		29.48				-1. 5.46	8. 49. 6.55
		AC	38	κ Cancri	9	"	9. 1. 58.62		59.62	42.08	+42.44			.....
		AC	39	83 Cancri	15	"	9. 13. 3.37		4.34	46.88				9. 13. 46.87
		AC	40	Groombridge 3548 S.P. ..	6	19.476	9. 17. 23.38		32.84	13.53	+40.66			.....
Dec. 7	180°, d.	AC	41	δ 2 L.....(E&E)	5	"	10. 32. 40.68	(+ 8.52) [+15.83]	41.68			+42.66 [+ 0.05]	-1. 4.97	10. 32. 19.11
Dec. 9	180°, d.	AC	42	α Lyræ.....	4	"	18. 33. 1.81	- 1.80 (+ 7.63) [+15.27]	2.57	45.06	+42.45	+42.33 [+ 0.05]		18. 33. 44.94
		AC	43	Bradley 1672	8	18.927	12. 13. 29.30	(+ 8.99)	19.20	1.79	+42.56	+42.38		.....
		AC	44	δ 2 L.....	9	18.500	12. 15. 44.33	[+16.97]	45.45				-1. 5.67	12. 15. 22.21
		AC	45	82 Corvi.....	13	"	12. 24. 18.04		19.24	1.59	+42.32			12. 25. 1.65
		AC	46	82 Corvi.....(E&E)	6	"	12. 24. 17.99		19.19					.....
		AC	47	β Corvi.....	15	"	12. 28. 44.97		46.20	28.54	+42.31			12. 29. 28.61
		AC	48	ρ Virginis	13	"	12. 36. 25.54		26.62	9.00	+42.35			12. 37. 9.03
		AC	49	ρ Virginis.....(E&E)	6	"	12. 36. 25.70		26.78					.....

6, 40, 43. Observed on wire 19.

8. Very faint.

10. Observed on wire 21.

12. Very cloudy.

13. G. M. T. of observation 9^h 39^m 42^s.44; seconds of Tab. R. A. 17^s.94.

15. Observed on wire 17.

20. Correction for defective illumination - 0^s.01.24. G. M. T. of observation 11^h 52^m 36^s.03; seconds of Tab. R. A. 41^s.53.

29. Observed on wire 13.

33. Faint.

36. G. M. T. of observation 15^h 52^m 26^s.00; seconds of Tab. R. A. 4^s.90.

MONTH and DAY	Position of Instru- ment.	Observer.	No. for Reference.	NAME OF OBJECT.	Number of Wires.	Reading of Transit Micrometer.	Observed Transit.	Error of Collimation (Level) [Azimuth]	Seconds of Transit Cor- rected.	Tabular R.A. of Known Stars.	Clock apparently slow at 0 ^h Sidereal.	Adopted Clock Slow at 0 ^h Sidereal and [Losing Rate].	Correction for Passage of Semidiameter.	Apparent R.A. of Centre from the Observation.
						r	h m s	"	s	s	s	s	m s	h m s
1906. Dec. 9	180°, d.	AC	1	35 Virginis.....	9	18°500	12.42. 22'10	- 1'80	23'21	5'65	+42'41	+42'38		12.43. 5'62
		AC	2	31 Comæ.....	9	"	12.46. 24'95	(+ 8'99)	25'95	8'33	+42'35	[+ 0'05]		12.47. 8'36
		AC	3	8 Virginis.....	5	"	12.50. 9'93	[+16'97]	11'05	53'44	+42'36			12.50. 53'46
		AC	4	Polaris S.P.	10	18°400	13.25. 17'14		35'51	18'16	+42'62			.....
Dec. 10	180°, d.	AC	5	⊙ 1 L.....	7	18°500	17. 3. 52'51	(+ 8'12)	53'65			+42'38	+1. 10'84	17. 5. 46'91
		AC	6	⊙ 2 L.....	9	"	17. 6. 14'26	[+15'88]	15'40			[+ 0'05]	-1. 10'84	17. 5. 46'98
		HF	7	Bradley 1672	9	18°510	12.13. 31'31	(+ 9'45)	20'15	2'45	+42'28	+42'26		.....
		HF	8	82 Corvi.....	15	18°500	12.24. 18'03	[+18'43]	19'33	1'62	+42'26			.....
Dec. 21	180°, d.	AW	9	Polaris	10	17°015	1.25. 46'51	- 2'16	19'97	8'56	+48'58	+43'16		.....
		AW	10	ν Ceti	10	18°500	2.30. 15'09	(+ 8'53)	16'24	59'42	+43'17	[+ 0'09]		2.30. 59'41
		AW	11	γ ² Ceti.....	10	"	2.37. 44'41	[+18'76]	45'58	28'75	+43'16			2.38. 28'75
		AW	12	σ Arietis.....	10	"	2.45. 37'08		38'17	21'33	+43'15			2.46. 21'34
		AW	13	α Ceti	10	"	2.56. 40'67		41'83	24'98	+43'14			2.57. 25'00
		AW	14	Groombridge 2283 S.P....	10	18°259	3. 5. 38'19		50'87	34'59	+43'71			.....
		AW	15	δ Eridani.....	10	18°500	3.38. 3'30		4'54	47'71	+43'16			3.38. 47'71
		AW	16	γ ¹ Eridani	10	"	3.52. 57'20		58'47	41'65	+43'17			3.53. 41'64
Dec. 22	180°, d.	AC	17	⊙ 1 L.....	6	"	17.56. 58'44	(+ 8'60)	59'77			+43'33	+1. 11'23	17.58. 54'40
		AC	18	⊙ 2 L.....	15	"	17.59. 20'97	[+18'84]	22'30			[+ 0'09]	-1. 11'23	17.58. 54'47
Dec. 27	180°, d.	HF	19	⊙ 1 L.....	8	"	18.19. 10'49	(+10'67)	11'87			+43'79	+1. 11'20	18.21. 6'94
		HF	20	⊙ 2 L.....	15	"	18.21. 32'81	[+19'05]	34'19			[+ 0'10]	-1. 11'20	18.21. 6'86
		HF	21	γ Pegasi	15	"	0. 7. 40'76	(+10'60)	41'98	25'84	+43'86	+43'89		0. 8. 25'87
		HF	22	Bradley 1672 S.P.....	9	18°689	0.13. 16'10	[+18'97]	29'67	14'04	+44'37			.....
		HF	23	ι Ceti	15	18°500	0.13. 55'21		56'53	40'38	+43'85			0.14. 40'42
		HF	24	44 Piscium.....	10	"	0.19. 52'05		53'32	37'20	+43'88			0.20. 37'21
		HF	25	ε Piscium.....	13	"	0.57. 21'15		22'40	6'28	+43'88			0.58. 6'29
		HF	26	Polaris	10	19°396	1.25. 35'51		13'77	3'02	+49'24			.....
		HF	27	ξ ² Ceti.....	4	18°500	2.22. 27'45		28'70	12'57	+43'86			2.23. 12'60
		HF	28	f Tauri.....R.	5	"	3.25. 0'28		0'38	44'28	+43'89			3.25. 44'28
		HF	29	f Tauri.....	6	"	3.24. 59'09		0'31	44'28	+43'96			3.25. 44'21
		HF	30	11 Tauri.....	8	"	3.34. 27'96		29'13	13'06	+43'92			3.35. 13'03
		HF	31	Piazzi III. 187.....	14	"	3.47. 5'93		7'14					3.47. 5'05
		HF	32	B.D. + 14° 657.....	15	"	4. 1. 41'17		42'39					4. 2. 26'30
		HF	33	δ 1 L.....	10	"	4.10. 23'51		24'72				+1. 3'64	4.12. 12'30
		HF	34	Mösting A.....	5	"	4.11.		35'05					4.12. 12'55
Dec. 31	180°, d.	HF	35	μ Eridani.....	4	"	4.40. 5'46	- 0'53	6'98	51'41	+44'41	+44'49		.....
		HF	36	ι Aurigæ.....	15	"	4.50. 10'74	(+10'27)	11'99	56'53	+44'52	[+ 0'10]		.....
		HF	37	β Tauri	15	"	5.19. 39'32	[+21'78]	40'59	25'16	+44'55			.....
		HF	38	λ Ursæ Minoris S.P.....	10	19°305	7.12. 27'22		59'38	38'16	+38'75			.....
		HF	39	56 Geminorum	6	18°500	7.15. 42'11		43'46					7.16. 27'98
		HF	40	β Canis Minoris.....	15	"	7.21. 20'93		22'37	6'89	+44'49			.....
		HF	41	Mösting A.....	6	"	7.38.		32'79					7.39. 47'81
		HF	42	δ 2 L.....	11	"	7.40. 8'88		10'23				-1. 5'82	7.39. 48'96

4, 9. Observed on wire 8.
5, 6. Limbs boiling.
7. Observed on wire 9.
7, 8. Cloudy.

14. Observed on wire 13.
22. Observed on wire 12.
26. Observed on wire 23.

34. G. M. T. of observation 9^h 50^m 27^s.58; seconds of Tab. R. A. 12^s.14.
38. Observed on wire 14.
41. G. M. T. of observation 13^h 1^m 8^s.37; seconds of Tab. R. A. 47^s.41.