Zenith distances observed with the mural circle, at the Royal Observatory, Cape of Good Hope, and the calculation of the geocentric South Polar distances.

Contributors

Herschel, John F. W. 1792-1871 Royal Observatory, Cape of Good Hope.

Publication/Creation

[Cape Town]: [publisher not identified], 1837.

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Rogal Observatory Pape of Good Hope

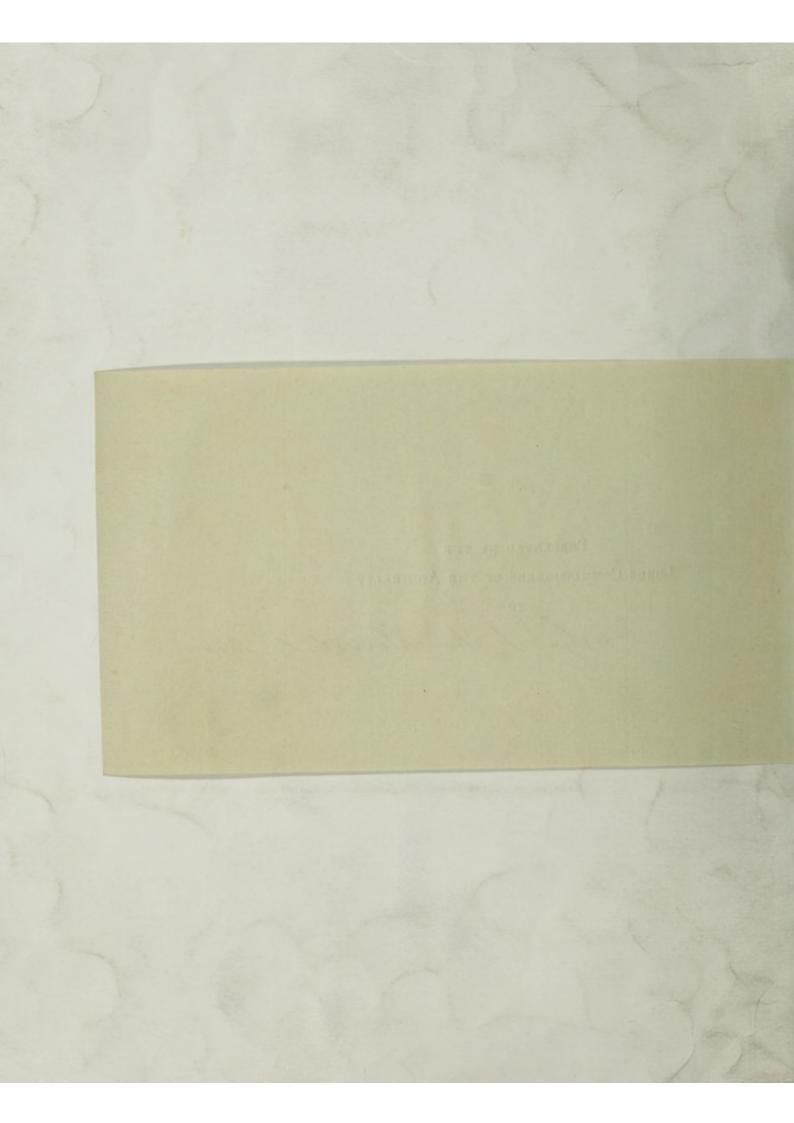
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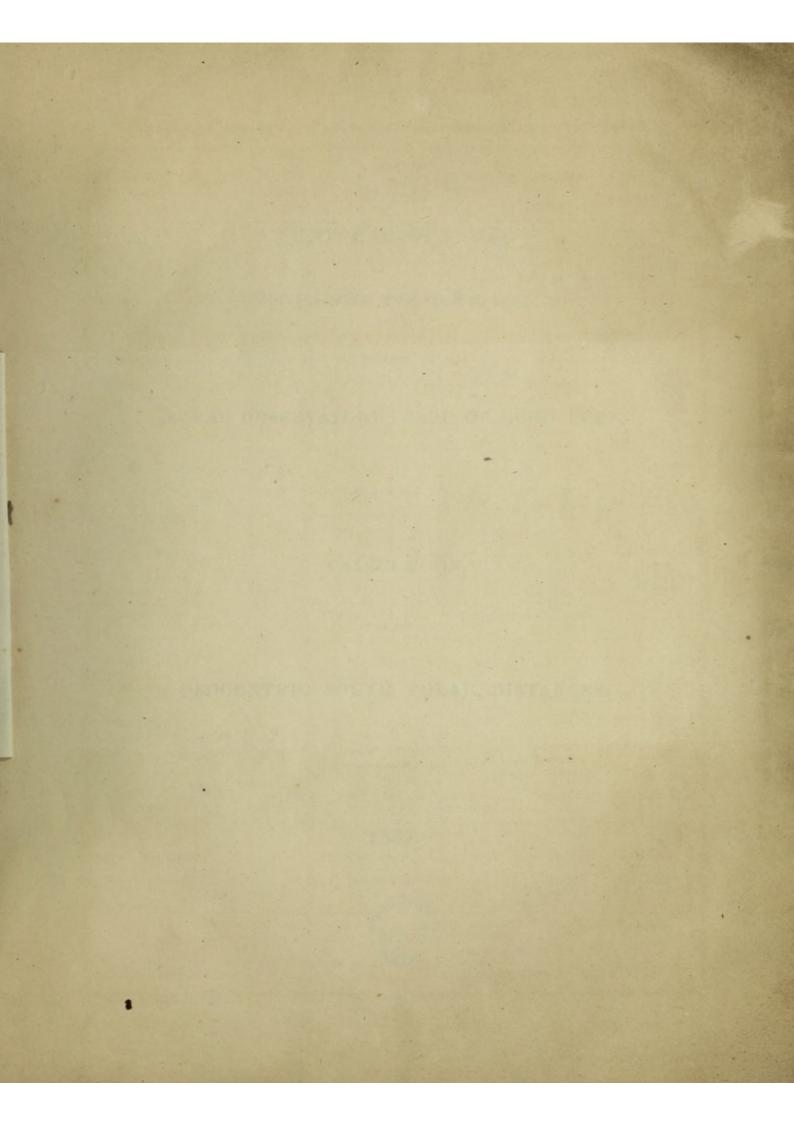
CAPE TOWN, Royal Observatory

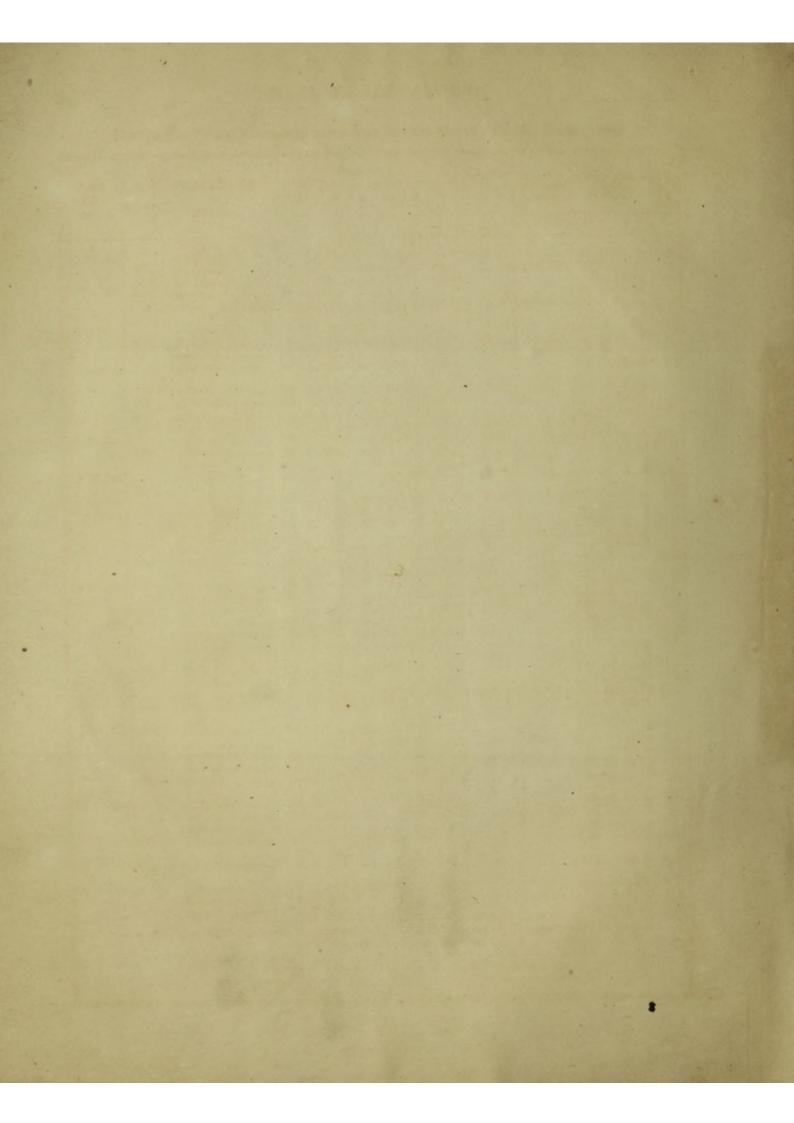
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Sie J. In Herschel, Bark

4 - 1 - 4









ZENITH DISTANCES

OBSERVED WITH THE MURAL CIRCLE,

AT THE

ROYAL OBSERVATORY, CAPE OF GOOD HOPE,

AND THE

CALCULATION

OF THE

GEOCENTRIC SOUTH POLAR DISTANCES.

1837.



Month		NAME OF STAR			M	icrosc	opes.			Micromet		orrection			luded	of ir.
and Day.	No. A.S.C.	or PLANET.		A	В	c	D	E	F	or Time t		r Microm. or Time.			ding ircle.	Initials of Observer.
			,	"	0	0	"	"		h. m. s.		, ,	0	,	"	
⊙ 8 Jan.	673 673 699 1915	σ Octantis SP α Leporis M.R α Leporis α Columbæ (α) ε Scorpii	3 50	53.1 12.8 18.0	4.3 10.8 14.0	6.9 0.8 2.9	$\frac{41.4}{26.7}$ $\frac{26.9}{26.9}$	15.0 10.0 4.2	58.0 26.0 16.7 17.3 48.0	18.3	6 36 +	1 03.89	130 342 325	4 3 50	05.62 57.26 12.77 13.34 45.04	T.M. T.M. T.M. T.M.
D 9 Jan.	673 673 699	σ Octantis SP α Leporis M.R α Leporis α Columbæ	4 3	02.8	10.6	13.2	49.0 26.0	19.7	58.7 35.9 18.1 18.4	18.5		+56.69	342	4 3	5.22 57.36 13.05 13.69	T.M. T.M. T.M.
₹ 10 Jan.	699 1915	(b) σ Octantis SP α Columbæ ε Scorpii	50	6.1	22.8	56.3	31.0	7.3	51.6 10.4 52.0		0				5.20 12.28 45.61	T.M. T.M. T.M.
§ 11 Jan.	699								49.1 10.5		0	-0.49				T.M.
D 23 Jan.		σ Octantis SP	17	07.1	15.7	5.8	46.1	20.3	51.5	5 6 3	0	-0.10	269	17	3.95	T.M
₹ 24 Jan.	699	σ Octantis SP α Columbæ (c) δ S.L	17 50 24	2.8	20.0	56.9	26.7	9.0	51.3 13.9 35.0			-0.50	325 18	50 24	11.51 33.72	T.M T.M T.M
	1206 1915	*(z) M η Leonis ε Scorpii	31 0	39.5	38.8	48.2	30.0	32.8	11.8	20.5	23	-24.04	17	32	9.68 13.12 45.89	T.M T.M T.M
ង្ 25 Jan	699	Fomalhaut	17 50 26 36	06.4 4.6 50.0 33.9	111.7 6 18.0 41.7	7 4.8 0 57.9 7 56.0 0 44.0	8 41.3 2 23.7 0 36.8	7 7.3 37.9	55.3 49.4 12.9 22.3 5.3	5 6 4		-0.10 -4 17.0	269 325 17 0 18	17 50 27 37	10.59 20.36	T.M T.M T.M T.M T.M
4 26 Jan	1206	½ N. L	40	6.1	9.3	16.1	1 58.6	2.8	28.1	9.6	638	+6 53.6	1 18	40	38.65 42.15 35.76 14.12	T.M T.M
2 27 Jan	1206	ψ S.L *(w) \$ N.L. M	31 50	43.9	2 37.1	8 46.	1 35.1	1 28.4		22.6	370	-1 50.3	17 18 7 18	32 50 49	11.45 2 14.54 3 57.26 6.89 2 15.96	T.M T.M T.M
ь 28 Jan	. 699	* (p)	50 58	55.9	9 10.	0 49.0 1 40.0	0 15.0	7 23.	3.7	23.1	122	-2 08.5	325 18 4 18	50 59 56	12.39	T.M T.M
₹ 31 Jan	1206		100				1		0 16.8				18		45.48	
\$ 1 Feb.		ε Scorpii	0	37. 49.	254.	533.	8 57 0 30	5 45.	4 45.0 1 23.1 0 11.8	19.4	167	+18.4	326	00	45.44 59.36 7 10.96	T.M T.M

 $\begin{array}{c} \text{Molyneux slow, January 8th, 8s.} \\ -9^{\text{th}}, 8^{\text{s}}. \\ -9^{\text{th}}, 8^{\text{s}}. \\ -10^{\text{th}}, 8^{\text{s}}. \\ -11^{\text{th}}, 9^{\text{s}}. \\ -23^{\text{rd}}, 13^{\text{s}}. \\ -24^{\text{th}}, 13^{\text{s}}. \\ -25^{\text{th}}, 13^{\text{s}}. \\ -26^{\text{th}}, 14^{\text{s}}. \\ -31^{\text{st}}, 14^{\text{s}}. \\ \end{array}$

⁽a) Observed at the 5th Wire.
(b) The cover of the front Y was screwed tighter. The readings are changed.
(c) Fair observation.
(d) Limb is badly defined.

Sec. of appa-		nt Zenith		-37	rmome	eter.			Microm.	Somi	Georg	S. P. D	of	NAME OF STAI
rent Zenith Point.		tance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.		enter.	No A S	or or
"	0 /	"	Inch.	0	0	0	, ,,	, ,,	r	, ,,	0	, ,,		TLANEI.
	15 5	7 00.91 9 09.27	30.139		63. 63.		1 26.84					44 31. 03 22.		σ Octantis SP. α Leporis R.
5.02	15 5 -0 1	9 06.24 3 53.19 3 21.49		69.	1000		16.30 0.23 0.05				72 55	03 19. 50 03.	29 67 33 69	α Leporis. α Columbæ. ε Scorpii.
	-56 4	7 01.31					1 26.80				-0	44 31.	36	σ Octantis SP.
5.21	15 5	9 09.17 9 06.52 3 52.84			63.5		16.30 0.23				72	03 22. 03 19. 50 03.	57 67	73 a Leporis R. 73 a Leporis. 99 a Columbæ.
		7 01.33 3 54.25	30.165	68.2	62.2		1 27.06		1			44 31. 50 02.		σ Octantis SP. α Columbæ.
	-0 0	3 20.92					0.23		THE STATE OF			00 35.		15 ε Scorpii,
	-56 4 -0 1	7 01.13 3 53.59	30.145	67.5	62.0		1 27.04 0.23				1 12 22 23	44 31. 50 02.		σ Octantis SP. α Columbæ.
		7 02.58					1 26.78				-0	44 32.	61	σ Octantis SP.
	-0 1	7 03.48 3 55.02 0 26.19					1 25.98 0.23 1 12.97	9.81		6 42	55	44 32. 50 01. 25 32.	50 69	σ Octantis SP. α Columbæ. δ
	52 2 51 2	0 03.15 8 06.59 3 20.64	25.551	00.0	00.0		1 12.93 1 10.61 0.05	3.01		0.40	108 107	25 12. 33 13. 00 36.	83 95 120	*(z) η Leonis.
	3 2	6 42.62	30.017	71.0	66.0		3.40				59	30 42.	77 274	Fomalhaut.
	-0 1	7 04.87 3 55.94 3 13.83	.018	69.4	62.4		1 25.98 0.23 1 11.04	1 54	18.917	20.27	55	44 34. 50 00. 28 40.	58 69	σ Octantis SP. α Columbæ. 2
	52 3	3 01.89 8 44.76			62.3		1 14.09 1 13.89	9.87	10.017		108	38 12. 33 39.	73	*(u)
		6 32.12 6 35.62			64.7 63.4		1 11.06 1 14.27	1.54 9.91				31 15. 41 33.		7 8
		3 29.23 8 07.59	.075	68.8	63.4		1 14.57 1 11.27					48 40. 33 15.		*(x) η Leonis.
		3 55.08 8 08.01	30.009	70.0	68.5		0.23 1 10.42	1.54	18.893	20.75		50 01. 33 34.		99 α Columbæ. 24
	52 4	6 50.73 5 00,36 8 09.43	30.009	70.0	68.2		1 13.84 1 13.77 1 10.46	9.97		6.50	108	52 01 49 54. 33 16.	41	*(w) † 06 n Leonis.
	-0 1	3 54.14	20.025	70.0	00.0		0.23				55	50 02.	38 69	99 α Columbæ.
	52 5	5 0.56 2 52.39 8 08.94					1 14.06 1 13.96 1 10.33			6.51	108	00 11. 57 59. 33 16.	60	*(p) † n Leonis.
		3 21.05					0.05		Care		200			ε Scorpii.
		3 21.09 3 07.17	29.985	71.0	66.0		0.05 16.23							ε Scorpii. β Canis Maj. I

Coincidence of Micrometer Wire with fixed Wire, =19°.926. from Jan. 8th to Jan. 10th. From Jan. 10th, =19°.925.

One revolution =40".207.

Correction for Runs =-5".30.

Adopted Zenith Point =326°. 04'. 06".53.

Assumed Co-latitude =56°. 03'. 56".75.

In order to get a well balanced Mean of the Zenith Points, v Argus A.S.C. 829 was transferred from the Zenith group into the Southern one, as there were very few Stars in the latter, and as v Argus was close to its boundary.

Month	L. R	NAME OF STAR			N	licrose	copes.				crometer				luded	10 to
and	No. A.S.C.	or		A	В	c	D	E	F		Time by	for Microm. or Time.	1		ding ircle.	Initials of Observer.
Day.		PLANET.	,	"	"	"	"	"	"	h.	r. m. s.	, ,,	0	-	"	40
2 3 Feb.		σ Octantis SP	17	04.5	14.9	07.5	41.0	24.2	46.5	5	8 30	-0.23	269	17	2.52	T.M
	673	a Leporis M.R	4	2.1	9.8	3 22.2	40.6	29.4	35.0		18.455		130	05	01.19	T.M
	673	a Leporis							20.3			1			10.03	T.M
	699	(a) α Columbœ							9.2						10.10	THE RESERVE
	1070	(b) a Piscis Naut. M.R.							32.5		19.506	+16.85	144	44	14.42	T.M
	1070	a Piscis Naut 24 S.L							1.3						59.68 53.42	T.M
		* (k)	43	56 9	49.8	59.0	45 9	39 9	31.8		0.00				26.19	T.M T.M
		8 N.L. M	10								19.067	+34.50	4 4		0.69	T.M
	1206	η Leonis	31	42.0	34.9	43.6	33.1	24.5	19.2				17	32	12.48	T.M
h 4 Feb.	2110		32	44.6	2.9	43.5	6.8	52.8	53.0		1	CH (31.35	325	32	53.41	T.M
⊙ 5 Feb.	2741	(c) Fomalhaut	30	40 5	59.6	38.9	4.8	51 1	52.0				329	30	50.87	T.M
00100	699	a Columbae	50						7.4				325	50	9.34	T.M
	100000	A Octantis	38	47.0	58.0	53.5	23.2	6.2	30.7	8	38 00	0.00	271	38	45.75	T.M
		24 N.L	53	50.2	43.2	49.0	42.0	31.0	27.0				17	54	19.63	T.M
		* (n)							16.2				20	9	10.63	T.M
	0110	8 N.L							19.4				20	0	15.34	T.M
	2110	ε Sagittarii	32	45.0	2.2	43.1	5.6	54.6	51.6		100		325	32	53.13	T.M
D 6 Feb.	699	α Columbæ	50						8.0		· · · · · · · · · · · · · · · · · · ·		325			T.M
	869	(b) ε Canis Maj. M.R.							48.0		19.630	+11.86				
	869	ε Canis Majoris	14						46.4		10	10.00			43.16	T.M
	915 915	η Canis Maj. M.R.	7						45.5 42.6		19.457				31.53 40.20	T.M T.M
-	961	η Canis Majoris ξ Argus M.R							54.6		19.764					T.M
	961						59.4				10.104				41.03	T.M
110,000	990	ζ Argus M.R	40	45.0	52.4	11.7	22.8	15.2	24.6		19.900	+1.00	151	40	49.23	T.M.
	990	ζ Argus	27	20.0	33.5	14.4	34.2	25.0	20.8		-				24.47	T.M
	1066	ð Cancri							0.0			2012/05			53.73	T.M
	8								4.3						59.22	T.M.
	100	* (n)	8	38.2	33.6	41.5	27.9	21.2	13.4		00 504	-1 43.07		09	8.56	T.M.
	2110	δ S.L. M ε Sagittarii	32	46.2	2.2	43.0	5.8	52.9	53.3		22.304	-1 45.07	325	32	53.38	T.M.
f 7 Feb.					1					-	6 00				0.36	
o / reb.	673	σ Octantis S P α Leporis M.R	17				42.7		36 8		6 00 18.471	+58.46		5	1.87	T.M.
	673	a Leporis	3				31.9				10.4/1	100,40	342	-	11.41	T.M.
	699		50							5	33 32		325		9.69	T.M.
	734		45	48.2	55.0	13.9	3.6	31.5	3.2		18.612	+57.50				T.M.
	734	a Orionis	21	12.1	58.1	7.0	3.6	43.3	51.4						38.33	
	797	β Canis Maj. M.R.	1	16.8	36.1	39.0	3.0	51.3	52.7		20.204	-11.27			11.26	
	797	β Canis Majoris	6	50.1	9.1	39.6	22.5	59.6	12.2		00 750	The state of the s	342	7	2.18	T.M.
1000	829 829	v Argus M.R					4.7				20.153	-9.17	316	56	22.90 51.48	T.M
	869		53						$49.0 \\ 47.0$		19.583	+13.75				
THE STATE OF	869								49.0		10.000			-	43.94	T.M.
	903								14.0		Barrier !					T.M.
	903	π Argus	11	31.6	47.5	26.9	49.1	38.6	38.2		100		323	11	38.58	T.M.
	-	B Octantis SP	34	39.0	50.0	40.0	15.9	55.6	22.0		42 4		269	34	36.26	T.M.
	1003						10.2				20.338	-16.61				T.M.
	1003	γ ² Argus							48.0		6-4-1		313	8	49.99 52.88	T.M.
		& Cancri	1/2 16	201 7	18.9	124.7	III N	1.0	COLUMN TWO				10	48.3	02.00	T.M.

Molyneux slow, February 5th, 17s.-7th, 17s.

 ⁽a) Observed at the 5th Wire.
 (b) Observed on the Meridian
 (c) Rainy and cloudy both last night and to-night at the transit of Mars.

Sec. of appa-			Zonia.	***	The	rmome	ter.	2000			3115	Microm.	Semi-		Con	0.1	P. D. of		****
rent Zenith Point.	Appa	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Para	llax.	opposite Limb.	diameter			Cent		No.	NAME OF STA
"	0	,	"	Inch.	0	0	0	,	"	,	"	r	, ,,		0	,	"		PLANET.
Single !	-56	47	04.01	30.070	71.0	61.6		1	26.84	511	0,80	E COLOR	To all		-0.	44	34.10		σ Octantis SP.
5.61	15	59	05.34	11333				100	16.33	100	1000						18.42		
			$03.50 \\ 56.43$				3	1	0.23	100							16.58		
- 0-	1		52.11	.010	69.6	59.0					01	0.0363					50.18		α Piscis Naut.
7.05	1		53.15	10.0				1.63	1.32						. 57	23	51.22		a Piscis Naut.
			46.89	30.004	69.6			1	12.41 17.71	11	1.55	18.860	21.				15.92 34.12	0	4
			54.16	30.004	00.0	30.3			17.71	1	0.22		6.				51.85	9	*(k)
				29.997	67.2	58.1	3		11.82						107	33	14.52	1206	η Leonis.
	-0	31	13,12						.51	778			an.		55	32	43.12	2110	ε Sagittarii.
	3	26	44.34	30.264	59.1	70.8			3.40				13 13		59	30	44.49	2741	Fomalhaut.
211	-0	13	57.19	1000	Constant	Server L	1/2	1	0.23				0.08				59.33		a Columba.
190			20.78		67.5				19.86			00 071	01	00			16.11	1	A Octantis.
			13.10	.190	67.2	01.4			12.76 18.93		1.55	20.971	21.	03			00.03 19.78		¥(n)
				30.190	66.8	61.5			18.50		0.26		6.	58			07.22		8
1875			13.40				19 19	1	0.51	11				- 1	55	32	42.84	2110	ε Sagittarii.
			57-16	20 010	00 4	71.0			0.23				9 19				59.36		a Columbæ.
5.50			36.63	29.943	09.4	71.3		- 19	5.07	1		27321					40.51 38.45	869	
5.87				29.940	69.5	71.4			4.82			1 2 30.	0				36.57		η Canis Maj.
3.01			33.67				1 3		4.02	1		0.8 0.2	9 71	1			35.24	110000	η Canis Major
7.51			32.55	29.934	69.5	70.8			9.31								38.61 40.56	961	
6.85	-			29.934	69.5	70.0		161				6.669					08.55		
0.80	-5	36	42.06			100			5.50			0.4116					09.19		ζ Argus.
Dia I				29.933 29.933					12.94 10.87		1 55	18.884	20	03			56.89 19.69	1066	
1991				29.933				1	17.20		1.00	10.004	20.	30			15.98		¥(n)
1735	54	03	18.33						17.11	1	0.27	0.000	6.	58			28.50		8
16:01	-0	31	13.15	W. 150					0.51	199			7 18		55	32	43.09	2110	ε Sagittarii.
				29.775				1	24.93	181			0 10				34.35		σ Octantis SP
6.64			04.66	29.775	71.2	68.1	1	1	15.98	-				113			17.39 17.61		α Leporis R. α Leporis.
	-0	13	56.84	12.0		0.70		1	0.23				1000				59.68		a Columbæ.
5.87	41	17	33.12	29.775	71.0	67.8		1	48.98			1. 6511.	7 19					734	a Orionis R.
			31.80	90 555	71 0	67 0		1	10.00	N. A.		-	191				17.53		a Orionis.
6.72			55.65	29.777	71.0	07.8		1	16.09	1			1				08.11		β Canis Maj. β Canis Major
7.19				29.780	71.0	67.8		1	8.96	0		1.11	10. 11		46	56	31.42	829	Argus R.
1.13			15.05	00 == 1	~1 0	07 -		130	0.30	DI		E HILL	PE STE		-		32.74		Argus.
5,94			37.41	29.774	/1.0	07.5		1	5.06			1-333			0.000		40.40 39.22		ε Canis Maj. ε Canis Majori
7.69	- 0			29.774	71.0	67.5		1	9 91						53	11	23.67	903	π Argus R.
1.09	-2	52	27.95			188	1	1	2,81	100		4.1 14					25.99		# Argus.
9	-19	55	16.45	29.774 29.780	70.5	67 9	1	1	24.11			1-1-1-1	2 24				57.63 27.48		B Octantis SI γ ² Argus R.
6.49	-12	55	16.54	20.700	10.0	37.2		100	12.82			1.010	600						γ² Argus.
4 77	52	39	46.35	29.781					13.23		14,70		N tolo	-					è Cancri.
Be Still	51	54	09.58	29.782	70.2	65.4		1	11.39	1	1.55	18.881	20.	99	107	59	37.16		4

Coincidence of Micrometer Wire with fixed Wire, 19*925 One revolution =40".207 Correction for Runs =-5".30
Adopted Zenith Point =326° 04'. 06".53
Assumed Co-latitude =56°. 03'. 56".75

Month		NAME OF STAR			Mi	icrosco	pes.			Micrometer		rection			luded	of.
and	No.	OF.		A	В	C	D	E	F	or Time by Molyneux.		Microm Time.			ding ircle.	Initials of Observer.
Day.	A.S.C.	PLANET.		A	ь	-	D	L	r					0. 0	arcie.	niti Obse
			,	"	"	D.		"	,	h. m. s.	,	,	0	,	,	
7 Feb.		\$ N.L	14	20.0	20.8	26.2	11.4	9.6	57.4		19		20	14	53.36	T.M
RES		*(r)								14.401	+3	42.1				T.M
	2110	ε Sagittarii	32	47.5	1.8	42.7	7.0	52.3	55.5				325	32	53.95	T.M
8 Feb.	1	σ Octantis SP								5 05 43	90	100	269		0.31	T.M
1111	673	a Leporis M.R		14.8						18.882		+41.9				T.M
	673 699	a Leporis	50	58.9				7.9					342	50	10.86	T.M T.M
	732	β Columbæ		56.0									10000	10		T.M
100	746	y Columbae	41	40.4	58.9	34.4	60.3	47.3	48.3	10,000	100		200000		47.95	T.M
	797	β Canis Maj. M.R.		22.2						20.389	1	-18.6	12/2/2		10.87	T.M
State of	797	β Canis Majoris		49.8						-			342		2.20	T.M
	829	ν Argus M.R		51.5	5.2	22.8	34.0	32.1	33.8	20.820	3	-35.9	8 155	11	23.28	T.M
The state of	829	ν Argus		45.2				51.5					2 10 10		51.43	T.M
100000	838	Sirius		46.1				52.0							54.96	T.M
257118	903	π Argus M.R		51.4						20.447	-	-20.9			35.10	T.M
	903	π Argus		30.9						18.335		02.0			37.79 25.25	T.M T.M
	928	σ Argus M.R	1	12.4							+1	05.9	317		47.77	T.M
196	320	B Octantis SP	34	42.7									100000		37.58	T.M
	990	ζ Argus M.R		45.5						20.053		-5.1			50.21	T.M
	990	ζ Argus		20.0								-			24.58	T.M
11 10/16	1066	ô Cancri		19.6									18	43	53.13	T.M
Company of	1092	ι Ursæ Majoris	33	43.0	43.0	2.0	2.2	46.0	52.4				48	34	10.69	T.M
1.6164	No.	μ S. L	0	1.2	2.7	8.0	53.4	54.2	36.0	1218114					35.81	T.M
		(b) \$ S.L	21	6.2	8.8	18.5	58.1	3.3	40.5				20	21	42.26	T.M
9 Feb.	582	ζ Aurigæ	1000	16.4											49.04	1000
	611	Capella M	44					6.8			100	+19.3			50.61	T.M
1 1	670	σ Octantis SP	17					21.3				.00 0	269			T.M T.M
	673 673	α Leporis M.R α Leporis	2					1.4				+28.2	342		2.01	
	699	a Columba	50					7.0					1000000	50		The second
	735	β Aurigæ		33.5						5 47 30			100000	51		100
	829	v Argus M		21.9								+22.0			51.17	T.M
	838	(a) Sirius M. R	37					37.1			+1	04.8	5 128	38	15.91	T.M
	838	Sirius		41.4	2.5	29.5	15.8	50.7	5.0		1		00 DO 00		53.62	
11 19 19	869	ε Canis Maj. M.R.	53	21.5	33.2	43.9	6.5	49.1	0.2	0.00		+3.0			27.50	
	869	ε Canis Majoris		37.2								1000			43.78	
	903	π Argus M.R	56	31.0	48.9	0.0	20.0	8.5	13.2	20.042		-4.7			34.89	
	903	π Argus (d) σ Argus M.R	5	32.1				36.7		18 100	.1	09.7			27.08	
	928	σ Argus	1					45.5			TA	03.7	317		47.71	
	1003	γº Argus M.R		35.4								+43.3	A 100 CO CO		23.87	
	1003	γº Argus		48.5									313		51.05	
	1066	d Cancri		23.1										43	52.43	T.M
	-	(c) 24 N. L	3	4.9	57.0	7.5	52.3	48.7	39.0			-0.3	0 18		34.08	
	1141	* Leonis	27	32.9	33.0	43.7	22.6	26.6	7.3			-		28		
	0111	8 N.L. M								18.921	1	+40.3			47.49	
	2110	ε Sagittarii		49.4								.0.0			54.28	
	1	(c) Q's center	1	6.5	23.0	57.6	36.0	14.9	26.4				2 339		17.99	
10 Feb	673	α Leporis M.R		49.9							1	+6.0	7 130		1.26	
	673	a Leporis	3						21.7							

Molyneux slow, February 8th, 17s.—9th, 18s.—10th, 19s.

⁽a) Observed on the Meridian. Sirius on the 9th, an indifferent observation. The 7th and 8th were very fine observing nights.

(b) Occasionally clouds float from the South: one of these obscured the Star of comparison with Mars at the transit.

 ⁽c) Observed at the 5th Wire.
 (d) Double.

Sec. of appa-	Apparent Zenith	laure s	The	rmome	eter.			200	Microm.			C		D D of		
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refr	action.	Parallax.	opposite Limb.	dia	emi- meter.		Cent	P.D. of er.	No. ASC	NAME OF STA
-	0 1 0	Inch.	o At	-	- m	-	,	, ,		-	//	0	,	,	ASC	PLANET.
					-	-	-			-		-			-	
	54 10 46.83	29.782	70.2	65.4		1	17.54	10.28		15	6.57	110	15	44.27	100	8
	54 14 28.93	20.000		~~ ~		1	17.69							43.37	2770	*(r)
	-0 31 12.58	29.900	70.0	70.0			0.51					55	32	43.66	2110	ε Sagittarii.
	-56 47 06.22	29.951	71.9	69.2		1	25.27			1		-0	44	34.74		σ Octantis SP
5.74	15 59 05.91	29.948	72.0	68.8			16.04	00.00.00		100		100000	-	18.70	673	a Leporis R.
0	15 59 04.55	00 050	70 0	00 0		100		A TELEVISION				0.000		17.12	673	a Leporis.
	-0 13 57.24 -1 54 02.60						0.23					10000		59.28 52.29	699 732	a Columbæ. β Columbæ.
	-1 22 18.58	29.954	72.0	68.8			1.34							36.83	746	y Columbae.
6.54	16 02 55.66	29.963	72.0	68.6			16.16							08.57	797	β Canis Maj.
0.0	16 02 55.67 -9 07 16.75	20 066	70 0	60 G		100	10.10					1000		08.58	797 829	β Canis Major ν Argus R.
7.36	-9 07 15.10	29 900	12.0	00.0			9.00							32.65	829	v Argus.
200	17 25 48.43	29.972	71.6	68.5			17.61	Name of		1		73	30	02.79	838	Sirius.
6.45	-2 52 28.57	29.974	71.6	68.2			2.82			19		1000000		25.36		
	-2 52 28.74 -9 02 18.72	29 976	71 5	68 0								53		25.19 29.10		π Argus. σ Argus R.
6.51	-9 02 18.76	20.010	11.0	00.0		-	8.93					47		29.06	100000000000000000000000000000000000000	
87	_56 29 28.95	29.976	71.0	66.8		1	24.78	Charles Control	00			10.49854		56.98		B Octantis SI
7.40	-5 36 43.68 -5 36 41.95	29.981	71.2	68.0			5.52			100			-	07.55		
	52 39 46.60	29 988	71.2	67 9		1	13.52							09.28 56.87		
	82 30 04.16	29.988	71.2	67.9			41.22					138	40	42.13	1092	
	51 56 29.28						11.71		18.892					56.96		4
	54 17 35.73	29.997	71.0	67.5		1	18.09	10.28			6.50	110	22	46.85		8
	74 42 42.51	30.055	69.8	64.6		3	19.98					130	49	59.24	582	ζ Aurigæ.
	79 40 44.08		69.7				00.69			10		1 3		41.52		
	-56 47 04.25 15 59 04.52		69.6			1	26.32		1	18				33.82 17.50		σ Octantis SP α Leporis R.
6.49	15 59 04.32	.040	09.4	04.0			16.23		1	100				17.41		
	-0 13 57.09		69.4				0.23		1.10			55	49	59.43	699	a Columbæ,
	76 46 57.25	17 (5) (5)	69.2			4	37.56		1000					31.56		
	-9 07 15.36 17 25 50.62		69.2				9.10		1					32.29		0
4.77	17 25 47.09		00.2	0	1 8	-	17.78		1	1		17/7000		01.62		
5.64	5 10 39.03		69.2	64.3			5.14		0,000					40.92		
	5 10 37.25		69.2	64 2		1				-				39.14 25.55		ε Canis Majori π Argus R.
6.47	-2 52 28.49		00.2	Jork. C	1	-	2.84			1		100000		25.42		π Argus.
7.40	-9 02 20.55	.046	69.2	64.3	3		9.02		1.111	1		47	01	27.18	928	σ Argus R.
	-9 02 18.82 -19 55 17 34		60 0	0.		1	0.04			1				28,91 26,41		
7.46	-12 55 17.34 -12 55 15.48		69.2	04.2	1	-	13.00		-	-				28.27		
	52 39 45.90	.044	69.2	65.4	1		14.01			1		108	44	56,66	1066	¿ Cancri.
9 (1)	51 59 27.55		69.0				12.23		20.974	1	21.0			13.89		24 Tannia
1	54 24 00.59 54 24 40.96		69.0	05.6	2		18.83				6.5			16.15		* Leonis.
	-0 31 12.25		70.0	70.5	2	1	0.5			1	0.0					ε Sagittarii.
	12 57 11.46		70.2			-	12.70		3	-				19,63		Q
	15 59 05.27	20 010	71	60				1000		-		70	02	18,12	672	a Leporis R.
5.65	15 59 03.51		11.4	00.		-	16.10	0						16.36		a Leporis R.
	-0 13 57.34		1	1		1	0.23	2	1	-				59.18		a Columbae.

Coincidence of Micrometer Wire with fixed Wire, =19r.925 One revolution =40".207 Correction for Runs =-5".30

Adopted Zenith Point =326°.04'.06".53

Assumed Co-latitude =56°.03'.56".75

Month	62	NAME OF STAR			M	icrosc	opes.				Micrometer		Con	cluded	Jo.
and Day.	No. A.S.C.	or PLANET.		A	В	c	D		E	F	or Time by Molyneux.	for Microm. or Time.		ding Circle.	Initials of
2,.		T MANUAL.	,	0	"	0	"		"	"	r. h. m. s.	1 2	•	, ,	AG
10 Feb.	735	β Aurigæ	50	39.8	42.0	1.	1 1.	4 4	5.8	51.3	5 47 30.2	AL THE	44 51	10.07	T.M
	869 869	ε Canis Maj. M.R. ε Canis Majoris	53	8.8		28.4						+17.49		28.20 43.81	
	903	π Argus M.R	F-0.00	46.1							The second second	-17.85			
Marin	903	π Argus		31.0		1000000						25.00		38.13	-
1/4 77	928 928	σ Argus M.R σ Argus	980	44.2	1000		10000					+35.62		47.90	
1000		B Octantis SP	34	42.2	47.6	41.0	15.	5 5	3.8	24.1	7 43 00	1937111	269 34	36.55	T.N
-	1092	ursæ Majoris υ S. L		$\frac{43.2}{35.1}$									48 34		100000
of the	1000	(a) & S. L		38.9									100000000000000000000000000000000000000	11.74	
	100	* (0)		22.0										56.35	
		♀'s center	13	16.8	31.2	7.0	144.	0 24	£.5	36.0			339 13	26.06	1.1
11 Feb.	CHO	σ Octantis SP	17			3.9						0.00	269 17		100000
	673	(b) α Leporis M.R α Leporis		47.5 58.8		10000000	1 1000000					+9.65		2.68	
115	699	a Columbae	5	3.8	15.9	56.9	20.	4 6	5.4	11.1	7777	FIRM S	325 50	9.05	T.M
THE REAL PROPERTY.	735 797	β Aurigæ β Canis Maj. M.R.	50	37.3		22.5						+4.42		08.86	
	797	β Canis Majoris		50.2								74.42	342 7		
-	838	Sirius M.R		49.0											T.N
unas.	838 869	Sirius		$44.8 \\ 51.6$								The second second		55.16	A 100 CO
	869	ε Canis Majoris		36.0									331 14	43.98	T.N
	903	# Argus M.R	1600	35.1			Distance of the	3 100			The second secon			36.53	0 000
		π Argus		$30.1 \\ 23.8$								-0.28		29.43	No. of Concession, Name of Street, or other Persons, Name of Street, Name of S
	928	σ Argus	1	40.1	56.4	35.3	56.	5 44	1.8	46.1	0.801	The second second		46.51	The second second
	1003	(c) γ ² Argus R γ ² Argus		$\frac{22.8}{45.6}$										26.42	1000
	1066	& Cancri	43	21.8	15.4	25.0	9.	8 8	3.9	57.0			18 43	52.28	T.M
	1092	Ursæ Majoris		38.5 28.8									48 34 18 8		T.M.
		и N. L	41			14.5						,		38.75	
37		* (o)? M									19.001	+37.15	20 42	15,90	T.M
12 Feb.	2398	(b) a Pavonis M.R	23	44.2	45.0	20.9	7.	6 26	3.9	17.8	21,493	-1 03.04	169 22	43.35	T.M
	2398	a Pavonis	45	29.2	42.3	28.1	33.	6 3	5.5	28.8		200000000000000000000000000000000000000	302 45	34.03	T.M
9	699 1066	α Columbæ δ Cancri	50	3.8	17.4	3.0	16.	8 14	1.0	5.0	5 33 30.4			9.97 52.85	
All	1000	(e) & S.L		14.1								100000		51.02	
		* (m) M									17.387	+1 42.04	20 49	33.11	T.M
13 Feb.	673	α Leporis M.R	4	16.2	35.9	43.9	59.	2 5	5.2	49.1	18.945	+41.01	130 5	3.11	T.M
	673	(e) a Leporis		00.2										11.04	
	699	a Columbæ μ¹ Columbæ		01.6										8.81	T.M T.M
	732	β Columbæ	9	55.3	12.9	57.5	9.	6	7.4	58.0		and the same	324 9	52.53	T.M
	746	γ Columbæ β Canis Maj. M.R.		40.4								-32.77		47.26	100
	797	β Canis Majoris	6	49.9	6.7	46.4	15,	2 :	3,9	6.0		02.17	342 7	1.38	T.M
	829	ν Argus M.R		15.4								The same of		22.82	NI 10250001
	829	Sirius		44.2										5 49.85 53.48	(Law 2)
THE REAL PROPERTY.			-		-	-	-	-	35000		h, 19s.				
(a)	A beau	tiful observing night.		Ob								red at the fixe	d Wire	nearly.	
(d)		eautifully defined and stead agnitude. The latter was o													

Sec. of appa-		1000	The	rmome	eter.			Microm.		Con	0 1	P. D. of		NUMBER OF
rent Zenith Point.	Apparent Zenith Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.		Cent		No.	NAME OF ST
	0 / #	Inch.	O	0		1 11	1 0	r	1 11	0	,	,,		PLANET.
	78 47 03.54	30, 010	71 0	68 1		4 35.22	1000			134	55	35.51	537	β'Aurigæ.
6.01	5 10 38.33	30.010	11.0	00.1		5.09		111111				40.17	869	ε Canis Maj.
0.01	5 10 37.28		71.0			5.09		1019				39.12	869	ε Canis Major
7.09	-2 52 29.52 -2 52 28.40	.007	71.2	68.8		2.82		0.28				24.41 25.53	903	
7.68	-9 02 20.92	.010	71.0	68.8		8.93		0 1				26 90	928	σ Argus R.
	-9 02 18.63											29.19	928	σ Argus.
	-56 29 29.98 82 30 02.00		71.0			1 24.57 6 41.99						57.80 40.74	1099	B Octantis. Ursæ Majori
3537	52 00 58.28	.010	70.8	67.7		1 11.91	1.55	18.892	20.77				1002	4
	54 31 05.21		70.6			1 18.79	10.28		6.55			17.02		8
000	54 38 49.82 13 09 19.53		70.6 71.2			1 19.16 13.07	1.30					05.73 28.05	39	*(0)
100	10 05 15.55	.140	11.2	10.4		To be a second	1.00			00	10	20.00	110	
	-56 47 05.32					1 24.70		9-1111				33.27	070	σ Octantis SI
6.68	15 59 04.45 15 59 03.56	.164	70.2	66.5		16.24						17.44 16.55	673 673	
	-0 13 58.08		70.2			0.23						58.44	699	
	78 47 01.73		70.3			4 35.64						34.12	735	
6.32	16 02 55.72 16 02 54.10	.168	70.3	66.8		16.30				72	07 07	08.77 07.15	797 797	
6.07	17 25 50.15	.166	70.5	66.3		17.80		1,110		73	30	04.70	838	
0.07	17 25 48.03	100				17.00				73	30	02.58		Sirius.
6.32	5 10 38.48 5 10 36.85	.166	70.5	66.2		5.14				61	14 4	40.37		ε Canis Maj ε Canis Major
6.92	-2 52 29.40	.166	70.5	66.1		2.85				53	11 9	24.50	903	
0.92	-2 52 29.83	The same			1	2.00	10000	6.1.10.				24.07	903	# Argus.
7.97	-9 02 22.30 -9 02 20.62	.164	70.2	66.0		9.04	Different Party	2000				25.41	928 928	σ Argus R. σ Argus.
	12 55 19.29	.164	70.2	66.5	- 31	13.00	35 1.37	1.610				24.46		γ argus R.
7.55	12 55 18.46					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 9-9	0.0				25.29		γ 2 Argus.
	52 39 45.15 82 29 57.08	.167				1 14.30 6 45.89						56.20 39.72		δ Cancri. Ursæ Majoris
4,55	52 03 53.43	.167				1 12.80	1.55	20.968	20.97	108	08 4	10.44	1002	24
	54 37 31.62	.164	69.8	65.0		1 19.87	10.28	333	6.53					8
	54 38 08.77					1 19.91		1		110	43 2	25.43	2	*(k)?
8.69	23 18 36.22	30.120	71.07	75.0		24.00			1 11 11			56.53		a Pavonis R.
0.09	23 18 33.10					- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	11/11/11	- 1918	A I B			59.65		α Pavonis.
	-0 13 57.16 52 39 45.72	.080	70.56	57.5		0.23	A LOCAL							α Columbæ. δ Cancri.
1	54 43 43.89					1 19.54	10.27		6.52	110	48 8	56.43	- 55	8
	54 45 25.98					1 19.66	1919	1				12.39		*(m)
	15 59 04.02	29.993	71.86	37.4		1010		1		72 (03 1	6.89	673	a Leporis R.
7,08	15 59 03.91					16.12				72 (03 1	6.78	673	α Leporis.
	-0 13 58.32					0.23	19.9	13				8.20		a Columbie.
	19 02 22.17 5 -1 54 14.60 5					19.41	MERRI	18 119				88.33		μ ¹ Columbæ. β Columbæ.
	-1 22 19 87 2	29.9987	71.26	57.4	1	1.35		MIE	3 10 1	54 4	11 3	5.53	746	y Columbae.
	16 02 54.91	30.0007	71.26	57.0		16.20		-	18 8			7.86		β Canis Maj.
	16 02 54.25 -9 07 15.69	.0027	71.26	66.8			0 10	4111		72 0 46 5		7.20		β Canis Majori ν Argus R.
0.04	-9 07 17.28					9.05	22.50			46. 5	66 3	0.42	829	v Argus.
	17 25 46.35	30.0027	71.26	66.8	1	17.69	and the same			73 3	0 0	0.79		Sirius.

Coincidence of Micrometer Wire with fixed Wire, =19r.925. One revolution =40''.207 Correction for Runs =-"5.30 Adopted Zenith Point =326°. 04'. 06''.53 to Feb. 11th, at noon. From Feb. 11th, =326°. 04'. 07''.13 Assumed Co-latitude =56°. 03'. 56''.75

Month	3.4	NAME OF STAR			M	icrosc	opes.			Micrometer	Correction		cluded	of r.
and	No. A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		ading Circle.	Initials of Observer.
Day.		PLANET.	-	"		,	,		"	r. h. m. s.	1 11	0	, ,	Object
	-		-		-		-							
14 Feb.	THE REAL PROPERTY.	a Phœnicis			42.2								8 36.25	T.M
	611	Capella σ Octantis SP	17		10.4						-10.09	269 1	4 53.36	T.M.
		D N.L	59		36.0							28 0		T.M.
111111111111111111111111111111111111111	699	a Columbæ	50		15.0							325 5		T.M
	722	C Tauri	32		5.6						Co-sec		2 35.33	T.M.
	735	β Aurigæ	50		41.2								1 10.29	
1,079	775	η Geminorum	31	7.0	10.8	22.4	48.1	11.6	31.2		12001	22 3	1 41.55	
	797	β Canis Maj. M.R.	1	3.8	22.0	29.9	47.0	41.6	36.0	19.865	+2.14	130	1 11.60	
	797	β Canis Majoris			6.3						01010		7 0.79	T.M
	829	v Argus M.R			48.5						+38.80		1 23.61	T.M
	829	v Argus			59.6						018(0)		6 50.05	
		(a) Sirius	54		59.0						-42 60		9 54.60	T.M T.M
and the	869	ε Canis Majoris			46.0						-45.02		328.31 442.88	T.M
100		(b) # Argus M.R	56		16.1						+97 49		6 36.41	T.M
110	903	π Argus			42.7						721.42		1 36.35	
1000	928	(c) σ Argus M.R			23.7						+29.47		6 28.56	
	928	σ Argus	1		54.9	10000	CO CO	12300				317	1 47.31	T.M
IL DIA	961	ξ Argus M.R			36.6						+12.42	136 3	5 35.27	T.M
Mark 1	961	ξ Argus	32	28.8	45.8	26.0	51.5	42.6	39.1			335 3	2 37.99	
3/1	990	ζ Argus M.R	40	22.6	37.1	56.7	0.5	4.0	0.0	19.391	+21.47		0 51.53	1000000
	990	ζ Argus	27	20.4	28.0	16.8	26.5	24.4	17.9				7 22.17	
-18 P. 15 1	1003	γ° Argus		47.5	55.3	45.1	50.0	52.0	42.3	18000	on the		8 48.08	
A TO SEC. 3	1060	γ Caneri	1		17.0							22	1 50.45	200 00 00
40.0		4 N. L	14 59		58.5						1977		4 32.91	T.M T.M
1187		* (i) M									+2 38.70		2 12.67	
15 Feb.	611	Capella M	43	49.0	49.4	17.1	1.2	0.8	52.6	18,971	+38.37	45 4	4 55.95	T.M
		σ Octantis SP	17		9.9							269 1		100000
	673	α Leporis M.R	5		15.0						-55.69	130	5 3.95	T.M
	673	a Leporis	2		15.4						4 191	The state of the s	3 9.36	
	699	a Columbae	50		9 15.1						CHAPTE STATE	326 5		
	722	C Tauri	32		7.9						TO BUT	1 0000000000000000000000000000000000000	2 35.80	
	775	η Geminorum	31		6 13.0							100000000000000000000000000000000000000	647.55	
	831	D N. L ε Geminorum	15		021.0								5 51.68	
	881	7 Geminorum	28		5 16.0						A PARTY OF		8 42.25	
	903	π Argus M.R	100								+36,39		6 36.83	
	903	π Argus	11	29.	0 44.5	28.8	8 41.7	40.0	30.6			323 1	1 35.69	
	1060	γ Cancri	1	15.	0 16.1	30.8	8 56.5	16.5	39.6		1000000		1 48.75	
	1092	Ursæ Majoris	33	5.	0 2.1	28.5	2 16.4	12.8	7.8			48 3		
		\$ N.L. M	12		8 36.0				1 -000		-49.25		4 12.62 2 37.65	
10 10.1	611							139				1880		
4 16 Feb.	611	Capella M			8 26.0 0 12.0						+1.89	269	$\frac{14}{7}$ $\frac{53.44}{1.42}$	The second second
	673	σ Octantis SP α Leporis M.R	17		0 5.8						-47.73		5 4.66	
	673	a Leporis M.R			315.0								3 9.89	
	699	a Columbæ	1000		915.0						To a second	325 8		
	712	μ¹ Columbæ			0 35.6								6 28.80	T.M
	732	β Columbæ	9		3 13.6						TO THE	324 1	0 3.09	T.M
	746	y Columbæ	41		9 58.							304 4	11 48.00	TM

Molyneux slow, February 15th, 21s.—16th, 21s.

 ⁽a) Observed at the 5th Wire.
 (b) Observed on the Meridian.
 (c) The S. E. Wind is very violent; the Mercury in the Barometer is oscillating.
 (d) The observation of Mars not satisfactory, the Limb too woolly.

Sec. of appa-			77		The	rinome	eter.						Microm.	0	emi-		C	0 1	D D -		
rent Zenith Point.	App)ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Re	fraction.	Pa	ralla	ax.	opposite Limb.	dia				Cent	P. D. of er.	No.	NAME OF ST
"	0	,	"	Inch.	0	0	0	-		,	-	,	r	,			0	,	"		PLANET.
	_9	15	30.88	30.029	73.2	77.4			9.01								46	48	16.86	31	a Phœnicis.
			46.23		72.6			4	55.76										38.74	611	
	-56	47	06.36	.038	72.8	72.5		1	24.98			-							34.59		σ Octantis SI
			59.02		73.1			1	44.20		52.	.52		14	49.	25			58.20		D
			58.20		72.6			-	0.23										58.32	699	
			28.20		72.6				42.28										07.23	722	
			03.16 34.42		72.6				33.22 24.07										33.13 55.24	735	And the second s
			55.53		72.4			1											08.36	775	The second secon
6.20			53.66	.041	12.4	71.0			16.08										06.49	797	
	_0		16.48	.050	72.4	71.4							10.15						31.30		The second secon
6.83			17.48		1000				8.97										30.30	100000	0
			47.47	.048	72.4	71.3			17.56										01.78		The state of the s
E CO	5	10	38.82	.050	72.4	71.2			5.07								61	14	40.64	869	
5.60	0		35.75						0.07										37.57	869	ε Canis Major
6.38			29.28	.050	72.3	71.2			2.81										24.66		π Argus R.
0.00			30.78		4000				2.01										23.16	100000000000000000000000000000000000000	π Argus.
7.94			21.43	.049	72.2	71.4			8.90				0.113						26.42	928	
1000			19.82	040	ma a	71 0											1000		28.03	928	
6.63			31.86	.040	72.2	71.0			9.33				NO.						37 94 36.94	961	ξ Argus R.
20000			44.40	026	72.2	71 0			111779										06.85	961	
6.85			44.96	.000	12.2	11.0		100	5.50				0.00						06.29	990	
1			19.05	.038	72.0	70.4			12.85										24.85		
			43.32		72.0			1	22.79										02.86		
			25.78		72.0				12.09		1.	.55	21.000		21.	61			11.46		24
	54	55	26.84	30.042	72.0	70.0		1	19.66		10.	.24							39.50		8
	54	58	05.54					1	19.80								111	03	22.05		*(i)
	79	40	48.82	29.946	75.2	73.0			54.67								135	49	40.24	611	Capella.
	-56	47	06.74	29.946	75.2	72.8		1	24.65								-0	44	34.64	1	σ Octantis SF
6.66				29.963	75.0	71.8			15.95										15.88	673	
0.00			02.23																14.93	673	
				29.963					0.23										58.06	699	
6				29.963					42.21										07.63	722	
				29.965 29.971					23.95		50	20		14	44	00			56.19 40.78	775	η Geminorum.
				29.971					33.33		00.	20		1-1	11.	30			14.63	831	The second second
				29.977					55.98										27.85	881	
0 00				29.977				-											24.24		# Argus R.
6.26			31.44	-	7				2.81										22.50	903	# Argus.
				30.080	73.8	70.8		1	22.77				A SHE				112	03	01.14	1066	y Cancri.
			00.67		73.6				40.28										37.70	1092	Ursæ Majori
		200	05.49		73.5				19.91		10.	21	8 19 19		6.	47			05.47		8
	55	08	30.52	30.080	73.5	70.5		1	20.31								111	13	47.58		*(h)
				29.998					59.44										42.50	611	
				29.998				1	26.04										35.00	0.40	σ Octantis SF
7.28				29.992	71.8	65.0		1	16.18				0 466						15.40	673	
1.20			02.76	00 000	71 0	CF C							11247						15.69	10000000	CONTRACTOR AND CONTRACTOR OF THE PARTY OF TH
				29.992					0.23				Rasples						57.15 37.92	699 712	
				29.992 29.990				1	19.50				90118						50.83	732	
				29.990					1.36				P. J. D.						36.26		y Columbae.
	-1	14 14	10,10	20.000	0	O.F.O			4.00				Co. Co. Co.				OF	**	30.20	. 10	, common

Coincidence of Micrometer Wire with fixed Wire, = 19^{r} .925 One revolution =40''.207 Correction for Runs =-5''.30 Adopted Zenith Point = 326° . 04'. 07''.13 Assumed Co-latitude = 56° . 03'. 56''.75

Month	O-A-	NAME OF STAR		M	icrosc	opes.	34500	-	Micrometer			luded	Jo
and	No.	or	A	В	c	D	Е	F	or Time by Molyneux.	for Microm. or Time.		ding ircle.	Initials of
Day.		PLANET.	1 11	"	"	-//	- //	"	r.	, ,,	0 /	"	- I
	-			-		-	-		h. m. s.			-	-
4 16 Feb.	797	β Canis Maj. M.R.	0 54.2							+10.74		11.81	T.N
TR ST	797 831	β Canis Majoris ε Geminorum	6 50.0								342 7	0.21 49.53	T.N
	881	7 Geminorum		8.9						100007.		38.62	T.N
100/19		(a) D N.L		6.1								35.96	T.N
		*								+2 38.54		14.50	T.M
1000	948	β Geminorum	22 43.1	200000000								17.13	400000
O Just of	963	φ Geminorum γ ^c Argus M.R	8 53.3 58 42.8	100000000000000000000000000000000000000						.20 16	27 9 158 59	26.14	T.N
AND MARKET	1003	ye Argus	8 45.1						18.976			48.19	T.N
THE PARTY NAMED IN		(b) a Pavonis SP	35 28.4								237 35		T.N
- 19	1060	γ Cancri	1 15.7	13.9	32.2	55.6	15.2	40.2		27,533		48.48	T.M
0 100	1092	Ursæ Majoris	33 44.1									10.69	T.M
The later of		4 S.L	17 29.2								18 18 21 10	1.23	T.M
	31/10	₹ S.L	9 43.1	44.0	1.0	24.0	45.0	9.0	16.471	+2 18.88	20 000		T.N
		Ψ (10)							10.4/1	Te 10.00	21 12	00.77	1.0
, 18 Feb.	611	Capella M	43 55.8	53.0	24.0	7.8	5.8	0.0	19.251	+27.10	45 44	50.72	T.N
	000	σ Octantis SP		13.7							269 17	3.08	T.N
	673	a Leporis M.R	6 20.2	37.9	47.8	2.0	57.9	51.2	21.912		130 5	5.64	T.M
18 7	673	α Leporis α Columbæ		15.0 16.0							342 3 325 50	10.46	T.M
100	735	β Aurigæ	50 37.2	40.2	5.8	54 4	50.8	43.3			44 51	8.42	T.N
1 1 1 1 1 1	829	v Argus M.R	11 41.9							-22.35	155 11		T.N
	829	ν Argus	56 46.0	56.5	46.7	52.3	52.5	44.4			316 56		T.N
		(c) Sirius	29 44.0							+0.34	343 29		T.A
	903	# Argus M.R	56 31.0								148 56		T.N
	928	π Argus σ Argus M.R	11 28.8 5 40.5								323 11 155 6	29.74	T.M
- 0	928	σ Argus		55.2								46.29	T.M
1100 1100		B Octantis SP	34 41.1								269 34		T.M
19.19	990	ζ Argus M.R	40 57.1	8.3	30.8	33.5	36.3	34.0	20.153			53.72	T.A
100	990	ζ Argus	27 17.3								320 27		T.A
	1060	γ Cancri * (e)	1 13.5									47.60	T.A
- Lambaga	1907.0	(d) & S.L. M	18 44.2	45.4	58.4	20.0	41.9	12.5	18.952	+39.12		56.19	T.N
		(-, 0							10,000	100112			1
19 Feb.	2110	ε Sagittarii		3.9	46.9	3.1	58.6	50.0			325 32		T.N
1		♀'s center	29 29.4	43.8	23.5	52.3	41.3	43.0			341 29	28.09	T.A
20 Feb.	611	Capella	44 10 4	01 1	44.0	20 0	05.0	27 0			45 44	48.36	TA
D 20 Feb.	011	σ Octantis S P		15.5						-0.30	269 17	2.48	
-HEIGHT	699	a Columbae		15.0							325 50	8.20	
	735	β Aurigæ	50 34.5	38.6	0.6	55.0	45.5	44.2		DISCOLUTE OF THE PARTY OF THE P	44 51	6.20	
Marie Control	829	ν Argus M.R	10 59.3	6.0	36.5	31.0	39.5	34.4	19.383		155 11		
	829	ν Argus	56 42.2								316 56		
	928 928	σ Argus M.R	5 17.8									30.80	
	990	σ Argus ζ Argus M.R	1 40.2	35 9	50 5	0.4	4 0	9 6	19.373		151 40		
199	990	z Argus	27 17.0	29.5	17.9	25.6	26.8	14.4	13.073		320 27		
	1003	γº Argus	8 45.7	57.1	48.8	47.4	56.0	37.1				47.99	
	1060		1 15.7	13.1	25.2	1.0	8.2	45.1		THE PARTY		47.72	
	4 19	# N. L	26 11.0 27 57.8							1900000		53.68 32.08	T.M

Molyneux slow, February 16th, 21s.—18th, 27s.—20th, 28s.

⁽a) Moon's disc woolly, a small Star emerged from the bright Limb. The observed * followed about 4^m, but I did not look at the Clock.

(b) Scarcely visible, bisected at the 5th Wire, clouds to the South.

(c) Observed at the 5th Wire.

(d) A very fine observation. Good definition.

Sec. of appa-	Apparent Zenith		The	rmome	eter.			-	1997		licrom.		Sem	i-	Geo		P. D. o	5	NAME OF CO
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Pa	ralla:	x. 0	pposite Limb.	di		eter.	Geo		ter.	No.	NAME OF ST
"	0 / "	Inch.	0			,	,,	,			r	-	A		0	1	"		PLANET.
	16 02 55,32	29.991	71.2	64.0		1.0			18						72	07	08.34	797	β Canis Maj.
6.01	16 02 53.08	401001					16.27					100			1000		06.10		
	59 11 42.40					_	34.56					15					13.71		ε Geminorum.
	64 24 31.49						57.36		07	0.0	-11-14		40				25.60		
	62 06 28.83 62 09 07.37	29.982	10.5	00.3			46.02 46.21	47	37.0	03		14	43	.01	117		51.56		D
200	62 19 10.00	29.985	70.5	66.0			46.90								118	24	53.65	948	* β Geminorum
	61 05 19.01						41.18												ø Geminorum,
	-12 55 19.83	29.985	70.5	66.0			12.94	1.5							43	08	23.98	1003	γ2 Argus R.
-	-12 55 18.94	20 000	~	00 -		10	12.01				910				43	08	24.87	1003	γº Argus.
	-88 28 50.54 55 57 41.35	29.980	70.0	00.0		1	23.07			1	RIB				110	03	01.17		α Pavonis SP
300	82 30 03.56		70.6	66.6			42.17												Ursa Majoris
660	52 13 54.10	29.983	70.5	66.8		1	12.52		1.5	55 18	8.871		21	.19			23.01		4
	55 6 09.76	29.982	70.2	66.7			20.54		10.1	19	. 11 8		6	.45	111	11	23.31		8
	55 8 28.64				- 1	1	20.65				-100				111	13	46.04		* (h)
1200	79 40 43.59	30 031	70 0	64.8		5	00.36								135	49	40.70	611	Capella,
	-56 47 04.05	.042					26.36										33.66	011	σ Octantis SP
8.05	15 59 01.49	.040					16.25								72	03	14.49		a Leporis R.
10000	15 59 03.33																16.33		a Leporis.
	-0 13 57.79 78 47 01.29	.038	00 4	33 8		4	0.23										58.73 35.27		a Columbæ. β Aurigæ.
1000	-9 07 18.97	.050		0.00		*					199						28,66	890	» Argus R.
7 201	-9 07 17.45		0.0				9.12										30.18		ν Argus.
	17 25 46.21		68.86				17.82										00.78	838	Sirius.
	-2 52 32.78 -2 52 31.09	.055	68.5	53.4			2.85										21.12		πArgus R.
	-9 02 22.61	.054		33.3			21111										22.81 25.10	928	π Argus. σ Argus R.
	-9 02 20.84	.004					9.04										26.87		σ Argus.
	-56 29 30.95	.053	68.2	33.2		1 5	25.61								-0	26	59 81	10000	BOctantis SP
	-5 36 46 59						5.59										04.57		Z Argus R.
Marin Pri	-5 36 44.78 55 57 40.47			33.0	- 1	1 0	23.95										06.38		ζ Argus. γ Cancri.
	55 15 09.94	30.0516					21.76										28.45	1000	*(e)
	55 15 49.06						21.80	1	10.1	4			6	.40	111	21	03.87		8
131	0 21 12 05	00 757	27 0	26 0	7		0 -1			1	110				-	20	42.15	0110	Coults "
	-0 31 13.07 3 15 25 20.96 3					1	0.51		1.4	0							31.76	2110	ε Sagittarii.
	100	British B		1			0.04		1.4									17	
	79 40 41.23	30.143	67.56	61.0			3.79				11 1				135	49	41.77	611	Capella.
	56 47 04.65	.143	57.56	61.0		1 2	27.18				110				-0	44	35.08		σ Octantis SP.
	-0 13 58.93 78 46 59 07	.1316	37 9	-		4	0.23				1			-			57.59 36.07		a Columbæ. β Aurigæ.
2000	-9 07 18.64	.134		60.6			1000										28.91		» Argus R.
7.09	-9 07 17.53	313000		1000			9.20								46	56	30.02		ν Argus.
	-9 02 23.67	.135	(30.5	1		9.10				1						23.98	928	σ Argus R.
	-9 02 22.17 -5 36 46.07	6	37.06	30 6	3					1							25 48 05.06	928	σ Argus. ζ Argus R.
	-5 36 45.44	1	77.00	0.0			5.62			-							05.69		Z Argus R.
-	12 55 19.14	-				1	13.14			-	1						24.47		y 2 Argus.
	55 57 40.59	2000	(30.2			24.63		1111		-				112	03	01.97		y Cancri.
	52 22 46.55 55 24 24.95	0 100	26 0	30 0			14.21	1			.974	-					34.87		4
	55 24 26.32	0.130	00.2	10.2	100	1 2	22.92	-	0.0	1			0.				40.89	03	\$ *(g)

Coincidence of Micrometer Wire with fixed Wire, =19°.925 One revolution =40".207 Correction for Runs =-5".30
Adopted Zenith Point =326°.04'.07" 13
Assumed Co-latitude =56°.03'.56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR			М	icrosco	pes.			Micrometer	Correction		ncluded	of of
and Day.	No. A.S.C.	or PLANET.		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		Circle.	Initials of Observer.
Day.		A MANAGEMENT	,	//		"	3	ø		r. A. m. s.	, ,	0	, ,,	10
20 Feb.	1152	θ Ursæ Majoris	12	58.3	54.9	17.2	12.8	59.0	3.0		10103.0	52 1	3 23.59	T.M
	1219	λ Ursæ Majoris	38	55.4	58.0	21.0	15.2	4.0	4.3				9 25.53	T.M
	2110								48.9		-131MV63		2 54.45	T.M
	1	ç's center	47	23.0	42.7	19.8	50.0	38.0	38.3			341 4	7 34.83	T.M
21 Feb.	699	a Columbae	50						3.0			325 5		T.M
4	712	μ¹ Columbæ R							11.6		-93.00		1 44.73	T.M
	732	β Columbæ γ Columbæ							56.3				0 01.56	1000
	746	β Canis Maj. M.R.							6.6		+33 40		1 13.24	
178 84	797	β Canis Majoris							4.4		755.45		7 00.33	T.M
	838	Sirius M. R							23.0		+1 21.21			T.M
Media	838	Sirius	29	42.6	1.8	35.5	7.9	57.2	57.5			343 2	9 53.22	T.M
	869	(a) ε Canis Maj. M.R.	53						33.5		+24.85		33 31.37	T.M
	869								41.6				4 42.33	T.M
	883								37.2		00 55		36.88	T.M
	915 915	η Canis Maj. M.R. η Canis Majoris							30.8		+32.77		7 35.97 00 38.91	T.M T.M
.7316	915	B Octantis SP		-					14.2				35.26	
3 10	1003		10000		100000000000000000000000000000000000000		0.000		11.5	THE RESERVE TO A STATE OF	+47 65		59 28.03	
100	1003	γº Argus							36.0		147.00		8 48.06	
199	1060	γ Cancri							48.3			22	1 48.82	T.M
	-0.0	A Octantis							19.0		+2.01	271 3	38 31.73	
	ma.	24 N. L	28						40.3		4	18 2	28 47.57	T.M
		đ N. L	32	7.5	4.2	17.0	52.9	0.7	40.0				32 39.90	
	1223	*(f) M Arg. in Velis	1::-	19 6	07 7	10 1	20 4	07 6	10.1	18.998	+37.27	318	33 17.17 11 19.23	T.M T.M
	1310	γ Leonis							16.3			8 1	12 11.23	T.M
	1338	Leonis							47.3				24 42.91	
		D S.L	57	50.5	35.2	51.9	36.4	27.8	21.8				58 16.68	
	1376	β Virginis							3 29.9				10 19.08	
	1392	o Virginis	37						32.8			9 3	37 25.53	T.M
		(b) o Octantis SP								12 15 30			6 1 .00	
	2623	φ's center α Gruis							5 20.9				6 1.62 15 30.60	
5 22 Feb.		a Columbæ	5						1.4			1330	50 07.63	1
y at reb.	1060	y Cancri							45.0		Walley Co.		1 49.27	
	-	*(d)							27.5		-		38 28.07	
		(c) of S. L								23.474	2 22.69	21 :	36 05.56	T.M
		(d) D S. L	1	5.8	41.0	59.7	46.9	31.1	36.8	3	Total College	2	1 26.62	
	1465	γ Virginis							18.9				26 9.49 16 20.59	
	1491	e virginis	13	30.1	100.0	0 04.1	42.1	27.4	1 28.8		Miles.	-	10 20.09	1.00
4 23 Feb.		α Columbæ	50						4 0.8				50 7.76	
	735	β Aurigæ							9 53.7				51 13.70	-
	797	β Canis Maj. M.R.							6 24.8		+14.64		1 13.27	
	797 829	β Canis Majoris ν Argus M.R							2 22.5		-94 08	342	6 59.87	
	829	ν Argus							241.3		-24.00		56 49.87	Name of the
		(e) Sirius							0 58.9		+0.34		29 52.79	
	903								2 10.1		+1 00.71	148	56 39.53	T.M
	903								2 28.4				11 35.47	
	928								5 15.1		+46.76		06 30.80	
-	928	σ Argus	11	39.0	0 52.	5 42.0	044.	4.51.5	2 35.5	51		317	01 44.07	T.M
		A STATE OF THE STA				w, F	ebrua	ry 21	st, 27					
		(a) Bisected on t (b) This has been				erving	night.							
		(c) Very bad ima					9							
		(d) Unsteady. (e) Bisected at the	ne 5th	Milan										

Sec. of appa-	Anna	mand	Zonish		The	rmome	eter.					Microm.				C	0 1	D D .		
rent Zenith Point.		ista	Zenith ace.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Par	rallax.	opposite Limb.	dia	emi met	er.		Cent	P. D. of er.	No. ASC	NAME OF STA
	0	,	"	Inch.	0	0	0	-	"	,	"	r	,	,	,	0	,	"		PLANEI.
	86	09	16.46	30.134	66.2	60.1			- Line										1152	θ Ursæ Majoris
			18.40	.132		60.0		4	14.44							133	43	29.59		
10.3	-0	31	12.68	30.149	66.5	59.5		18	0.51			1000						43.56		
	15	43	27,70		67.5	68.0		10	15.91		1.51	1.6	0			71	47	38.85		Q .
	-0	13	58.90	30.145	68.7	64.3	3		0.23			1000				55	49	57.62	699	a Columbæ,
			22.47			64.0		16	19.64									38.86	712	μ¹ Columbæ.
100	-1	54	05.64		68.0		111	10	1.89			1000						49.22	732	β Columbae.
			20.44		and the same of			100	1.37			1000						34.94	746	
6.79			53.96			63.6		13	16.39	11								07.10	797	β Canis Maj.
			53.13 49.09	150	67.8			13		1		1.100	10			N.79C/0		06.27	797 838	β Canis Major Sirius R.
5.67			46.02	.130	01.0				17.89				15			100000		00.66	838	
0.00	-		35.83	.156	67.5	63.2		13		111						100000		37.74	869	
6.85			35.13		1000				5.16									37.04	869	ε Canis Major
16.4			29.68		war.	63.3		1	7.80			0.001	100					34.23	883	d Canis Major
7.44			31.23	.158	67.4	63.5		10	4.93			10.11						32.91	915	
227777	4		31.71		0= 0			1				1						33.39	915	η Canis Major
4	-56	29	31.94			64.0		1	27.79	1								02.98 22.85	1002	B Octantis S
8.05	-12	55	20.83 19.14	.162	07.1	04.0		1	13.07			1000				577		24.54		
			41.62	160	67.4			1	24.10									02.47		
			35.47	.162					19.45			la dist						01.83	1000	A Octantis.
	52	24	40.37	.169				1	13.84		1.5	120.946		20	.53	109	29	28.89	13.00	24
1670			32.70	.176	67.5	63.9			22.66		10.0		10	6	.31	THE PERSON		35.76		8
			09.97		0= -	00.0		1	22.70			11/11/19						29.42		*(f)
			47.97			63.6			7.38			P. U.D.						01.40		
6	42	8	4.03			62.9			57.73			P						52 38 30.19		
			09.48	.166		02.0					35.2	3	14	59	55			21.68	1000	D
177			11.88			62.6			42.39		00.2		1	00		92	40	51.02	1376	
			18.33			62.4			54.28				1					09.36		o Virginis.
	-56	46	09.91			62.4		1	26.98			1000				-0	43	40.14		o Octantis SP
11			54.42			73.5			16.11		1.5	3						05.75		Ŷ .
	-13	48	36.60	30.220	69.2	74.5			13.78	1			1			42	15	06.40	2623	a Gruis.
	-0	13	59.57	30.180	69.2	66.4		-	0.23	3		LA CO	1			55	49	56.95	699	a Columba.
			42.07			67.5		1	23.60			1	1			0.5105		02.42	-	
			20.87	.184	68.3	65.2			22.0				1					39.63		*(d)
			58.36	13.636	100/100			1	22.6		9.9							14.03		8
	35	57	19.42	.134	68.1	65.0					23.4	2	15	6	.50			40.44		D
			13.39	30.132	68.2	00.4			38.79			P				90	26	37.83	1465	γ Virginis.
	90	1.0	10.03			12.18		-	44.6			1				34	10	04 10	1491	ô Virginis.
	-0	13	59.44	30.121	71.0	69.0			0.23	3		63 40				55	49	57.08	699	
			06.50	.121	71.0	69.1		4	35.78	3								39.03		β Aurigæ.
6.57			53.93			69.5		1	16.19			R. Call	1					06.87		β Canis Maj.
	10		52.67			70 0	2	1		1								05.61	797	
8.26			19.44	1		70.6	1	1	9.0	2		1	-					28.29 30.40		
			45.59	1		71.0			17.6	2			1					59.96		
7 50	0		32.33		70.5	70.0						1	-					21.66		The second secon
7.50	-2	52	31.73	A CONTRACTOR	1				2.70	2		13.19	1					22.26	903	π Argus.
7.44				30.128	70.4	169.4	1		8.9	5						47	01	24.20	928	σ Argus R.
	1-9	02	23.13	1	1	1	1	-	0.0	1		1	1			1 47	01	24.67	928	σ Argus.

Coincidence of Micrometer Wire with fixed Wire, =19'925 One revolution =40''.207 Correction for Runs =-5''.30

Adopted Zenith Point =326° 04'. 07''.13 to Dec. 21st, at Noon. From Dec. 21st, =326°. 04'. 07''.20

Assumed Co-latitude =56°. 03'. 56''.75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month	1	NAME OF STAR	_		M	icrosco	opes.				crometer		rectio			luded	Jo
and	No. A.S.C.	or		A	В	c	D	E	F		Time by		Time.			ding lircle.	Initials of
Day.		PLANET.	,		"	,	,,	,	Ø	4.	r. m. s.	,	,	-		, ,	140
23 Feb.	10	B Octantis SP	34	35.2	46.8	43.2	5.0	59.4	11.9	7	40.40			269	34	32.77	T.M
	1060	γ Cancri				26.5								22	1	50.67	T.M
	1	* (b)				4.1										28.73	
	1152	θ Ursæ Majoris				32.3										38.82	
						26.9								153	26	56.45	T.M
	1223	Arg. in Velis	41	16.8	25.8	21.1	16.8	28.0	9.2	1000						19.66	
											59 30				24		
	1370	χ Ursæ Majoris				15.8					14 00					22.94	
		o Octantis SP				42.0					14 00				26	56.62 8.81	100 000
	000	7 0				55.7								100000		20.74	
		0_				2.3								0.000		26.88	1
2.2	1533	Spica	40	56.5	15.2	46.8	27.0	7.9	19.5					349	41	8.62	
24 Feb.	1060					26.1							-0.4	5 22		50.35	
		* (b)	45	58.5	54.0	5.0	43.2	48.1	29.8		05 000	-				29.50	
	200	\$ S.L. M									25.808	-3	50.5	4 21	42	32.96	T.M
5 25 Feb.		β Canis Maj. M.R.				17.1					19.441	4	19.4			13.40	
	797 829	β Canis Majoris ν Argus M				43.7 41.5					18.272	+1	06 4	6 316		59.78	
#Did	838	Sirius M.R				21.5					20.930					18.66	
	838	(b) Sirius				36.6					200000000000000000000000000000000000000					54.75	
	869					54.8					19.873		+2.0			31.96	400
3.7	869	ε Canis Majoris	15000			32.1					10 200		01 0	1 2 1 1 1 1 1 1		41.24	
	915 915	η Canis Maj. M.R. η Canis Majoris	7			37.2 27.0					19.382	7	21.8	331		36.05	The second second second
	010	B Octantis SP				46.3				7	43 10					33.39	-
	1060	γ Cancri				23.0								22		47.63	
		* (b)	45	57.0	54.8	5.9	43.8	48.0	29.0				12	21		29.48	
0.93500	1152	δ N.L. M θ Ursæ Majoris	10	16 1	::::	20 0		17 0	00 7		21.382	-	-58.5	100000		30.90	
	1102					32.0 5.1								100000		41.60 42.91	
	1219	λ Ursæ Majoris				25.0										32.62	
		7 Octantis SP	24	12.2	18.1	20.5	38.5	36.0	47.2	11	00 15			268	24	7.68	T.M
1111	1000	χ Ursæ Majoris	33	53.9	55.3	13.7	13.8	58.8	3.4		1000					22.37	
419	1378	B Hyd. et Crat	59	57.8	10.2	0.2	7.2	9.9	58.7	10	10 45			0.000	00	3.11	
	11473					56.3					16 45 18.444	4	50 5			55.12	
	1473	β Crucis	12	49.8	8.4	0.3	46.3	9.7	40.0		10.444		00.0	301	12	55.66	T.M
	1492	12 Canum Ven	8	21.5	28.5	45.1	47.0	33.5	34.0		200					54.23	
		Companion M									20.269		-13.8			40.36	
	1533 1533					44.3					18.770	-	46.4	2102		4.92	
	-	The second second	1			46.0	200000		200000					349	41	9.22	T.M
⊙ 26 Feb.	699	α Columbæ	49	59.0	16.5	0.8	12.5	13.8	1.0					325	50	7.25	T.M
D 27 Feb.	2741	(c) Fomalhaut	30	45.4	3.1	48.5	3.7	2.8	51.0		1021			329	30	56.23	T.M
	1944	(d)									10,13			10			1
			1								Part I						1377
											B. S. T.						1
	1	CANADA TO SERVICE STATE OF	1				100		1 2					100			1 15

⁽a) Bisected on the Meridian.

⁽b) Leaving the field. (c) Bisected at the 5th Wire.

⁽d) After the Transit of Fomalhaut, the error of the Meridian Wire in Collimation was corrected by means of the 3½ feet Telescope, with its Micrometer placed in the South chase on Y's as a Collimator, together with the North Meridian Mark. The Circle Object Glass being removed for the purpose.

Sec. of appa-	4	No.	t Zenith		The	rmome	eter.		Marie III	Microm.	1/50/60	Gas	. 0	P. D. of		NAME OF CO.
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.	Geo	Cen		No.	NAME OF ST
,	0	,	,	Inch.	0	0	0	, ,	, ,	r	, "	0	,	"		PLANET.
	-56	29	34.43	30.128	70.4	69.0		1 24.86				-0	27	02.54		BOctantis SF
	55	57	43.47	.120	70.6	70.0	9	1 23.03						03.25	1060	
			21.53		70.8	71.0		1 22.07					-	40.35		*(b)
			31.62		70 -	70 O		1 21.74	9.95		6.24	111	40	33.92	1150	8
200			33.77 49.25		70.5 69.8				11211111111			10	41	00,19	1152	
8.06			47.54	.113	09.0	00.0		7.31		Contract of				01.90		
		Section 2	59.23	.105	69.8	66.4		1 29.12		1000				31.60	1220	7 Octantis SP.
	82	30	15.74		69.6			6 44.26		DITTO IN		138	40	56.75	1370	
			10.58	0.000	69.2			1 26.16						39.99		o Octantis SP.
			01.61		69.4	66.2		37.23				10.77		35.59		Virginis.
			13.54	.085				44.49	27 39.45		15 14.51			54.78 23.92		δ Virginis.
				30.078				24.73	21 03.40		10 14.01			22.90	1533	
			-			10						1	100			
1				30.057				1 22.99				112	03	02.89	1070	
			22.30	.057	71.0	69.0		1 22.20						41.28		*(b)
10	55	38	25.76					1 21.99	9.91		6.20	111	43	40.79		8
	16	02	53.80	30.041	71.1	66.5			be be			72	07	06.79	797	β Canis Maj.
6.59			52.58					16.24				1000		05.57	797	β Canis Major
			19.43					9.06						28.26	829	
6.71			48.54	.049	70.8			17.72						03.01	838	
			47.55 35.24	040	70.5	00 4			A STATE OF			61		02.02 37.11	838 869	Sirius. ε Canis Maj. I
6.60			34.04	.040	10.0	00.4		5.12	77117.09			A TOTAL		35.91	869	
2 40			31.15	.045	70.2	66.3		4 00						32.78	915	
6.58			29.91					4.88						31.54	915	η Canis Majori
-			33.81		70.0			1 25.06	100					02.12		B Octantis SI
			40.43		69.5	66.4		1 23.39	111111111111111111111111111111111111111					00.57	1060	
			22.28	.048	09.0			1 22.60	9.84		6 17			41.63 26.98		*(b)
			34.40		69.2	66.2		1 22.04	3.04	202 134	0.1.	***	40	20.50	1152	
-			24.29	.055	69.6	66.0		1 34.70				3	13	02.24		C Octantis SP
			25.42		70.0			4 10.72						32.89	1219	
			59.52	.040	69.9	66.0		1 28.99		4.5			2000	31.76		7 Octantis SP.
1111			15.17 55.91					6 43.66	130 160	5.120				55.58 59.93	1378	χ Ursæ Majori β Hydr. et Cra
			12.08	The state of				1 26.02	THE OW	No.			75.70	41.35	2010	o Octantis SP
		-	** **	.031	70.0	65.9		1 - 10 10 10 10 10 10 10 10 10 10 10 10 10				31	12	18.44		β Crucis R.
7.48	-24	51	11.54	10,000		000		26.22	24128			31	12	18.99	1473	β Crucis.
	10	U-4	47.03		69.5	66.0		3 03.28		10-11					1492	12 Canum Ver
Sec.			33.16			13 1		3 03.24						33.15	1522	Companion. Spica R.
7.07			02.28	Election		100		24.69								Spica R.
				2000						13. 13						
	-0	13	59.95	30.058	71.5	66.2		0.23				55	49	56.57	699	a Columbæ.
	3	26	49.03	30.081	72.0	76.0		3.34				59	30	49.12	2741	Fomalhaut.
										Sheet !						
			1333		1 3										1	
			13177	1				COLUMN THE REAL PROPERTY.		TO THE REAL PROPERTY.				100000	1	

Coincidence of Micrometer Wire with fixed Wire, = $19^{\rm r}.925$ to Feb. $26^{\rm th}$. From Feb. $26^{\rm th}$, = $19^{\rm r}.922$ One revolution =40''.207 Correction for Runs =-5''.30 to Feb. $27^{\rm th}$, at $23^{\rm h}$ S. T. From Feb. $27^{\rm th}$, at $23^{\rm h}$ S. T. =-2''.9 Adopted Zenith Point = $326^{\circ}.04'.07''.20$ Assumed Co-latitude = $56^{\circ}.03'.56''.75$

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month	- Jane	NAME OF STAR			Micros	copes.			Micrometer			onclu		Jo .:
and	No. A.S.C.	or PLANET.	A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		readir f Circ		Initials of Observer.
Day.		Third.	, ,		"	,	B	"	7. A. m. s.	, ,	0	,	"	10
D 27 Feb.	611	Capella		.2 31						-1.00	45	44 5	6.09	T.M
-	699	a Columbæ		.3 17						108 1921			8.72	T.M
	1060	γ Cancri *(b)		0.004						199			5.43	T.M
-	1012	d N.L. M	10 /	.0 44			10.2	10.5		+3 49.85				T.M T.M
		(a) λ Argus	13 46	6.0 34			42.3	10.1		10.10.	317	13 3	34.22	T.M
	1152	(a) θ Ursæ Majoris		8.8 59							52	13 3	31.28	T.M
	1281	C Octantis SP		0.009					9 57 20 16.999	+2 06.93			51.33	T.M T.M
	1281	η Argus		.0 58						T2 00.31			52.12	T.M
		τ Octantis SP	24 21	.908	.937.	4 18.9	32.2	28.5	10 57 50	100000	268	24 0)4.24	T.M
	2398	α Pavonis	45 45	5.0 34	.8 02.	8 04.5	49.2	03.0		100000	302	45 3	33.11	T.M
\$ 28 Feb.	699	α Columbæ		1.506						189	325	50 0	04.01	T.M
	735	β Aurigæ		0.5 37						.42 00			9.26	T.M
	838	Sirius		6.635 5.450						+43.88			50.42	T.M T.M
	869	ε Canis Maj. M.R.		1.148						+46.18				T.M
	869	ε Canis Majoris		5.538									39.20	T.M
M. D. W.	903	π Argus M.R	55 52	7.737	2 31.	4 58.4	15.3	58.0	18.792	+55.00	THE PERSON NAMED IN			T.M
(10 V 10)	1060	π Argus γ Cancri		3.406									32.64 45.88	T.M T.M
		*(d)		3.4 27									07.52	T.M
		& S.L. M							27.689	-5 03.80	0 10 10 10 10 10 10 10 10 10 10 10 10 10	7000		T.M
10 747	1910	C Octantis SP							9 59 24	1000			53.42	T.M
West Hill	1219	(a) λ Ursæ Majoris(c) τ Octantis SP. R		0.054 6.941						+0.3			26.46	T.M T.M
		7 Octantis SP		3.2 22									13.40	T.M
1 March.	1060	γ Cancri	100000	3.5 07						10000	22	01 4	14.63	T.M
2 March.	699	α Columbæ	50 19	2.1 05	.0 19.	4 54.5	07.2	46.4		-1001	325	50 0	04.05	T.M
	712	μ¹ Columbæ		1.524						The state of the s	V 100000		25.33	T.M
	732 746	β Columbæ γ Columbæ		$\begin{array}{c c} 6.8 & 3 \\ 0.8 & 47 \end{array}$							100000000		00.08 43.06	T.M
	797	β Canis Maj. M.R.		1.8 58						+25.0				T.M T.M
	797	β Canis Majoris	6 60	0.057	.8 62.	8 56.0	60.4	48.0	- B.	1 1000	342	06 5	57.68	T.M
	838	Sirius M.R		0.1 20						+1 06.1				T.M
100000	838 869	Sirius		6.849 0.064						+36.14	100000		51.10	T.M T.M
	869	ε Canis Majoris		5.1 38						+30.1	100000		38.54	T.M
	883	& Canis Majoris	51 30	5.7 34	.8 41.	1 31.5	36.1	20.2			331	51 3	33.20	T.M
WITH S	928	σ Argus M.R	5 28	3.924	.5 16.	1 38.5	2 2.8	37.2	18.532	+1 05.5	00000			T.M
	928	σ Argus B Octantis SP		7.045 6.139						The same			\$1.13 \$1.29	T.M T.M
STEEL STEEL	1003	γ ² Argus M.R		1.2 15						+14.00				T.M
	1003	γº Argus	8 5	3.0 48	.5 58.	0 34.5	45.5	25.0			313	08 4	14.02	T.M
TO BE	1060	γ Cancri	1 2	1.006	.1 53.	0 33.1	16.5	17.3		1 25 0	100000		14.82	T.M
L. Company		* (a) M							26.981 29.821					T.M T.M
		C Octantis SP	49 0	7.259	.1 20.	2 12.4	17.9	19.7		25.00			52.24	T.M
	2110			7.357						1000			52.95	T.M
3 March.	699	a Columbæ	50 1	1.3 07	.1 19.	0 57.9	08.2	48.0			325	50 (5.24	T.M
	735	β Aurigæ	50 56	6.0 37	.034.	0 38.8	56.7	31.4			2000	4 4 2	12.21	T.M
	829 829	v Argus M.R		$\begin{bmatrix} 2.3 & 53 \\ 1.2 & 52 \end{bmatrix}$						+35.4			25.99 16.40	T.M
	029	ν Argus	00 0	202	.109.	2107.1	100.2	21.2			.010	00 4	10.40	A.MI
			Mo	lyneux	slow,	Marc	h 1st,	28%.						
		(a) Observed at the	5th Wir	e.										
		(b) Observed on the	Meridi	ian.										

sec. of appa-	Apparent Zenith		The	rmome	eter.			Microm.	Semi-	Geoc. S. P. D. of		NAME OF STA
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.	Center.	No. ASC	or PLANET,
	0 / #	Inch.	0	0	0	, ,	1 11	r	1 11	. / //		
6.89	79 40 50.47 -0 13 56.90 55 57 39.81 55 40 19.58 55 44 09.40 -8 50 31.40 86 09 25.66 -59 15 14.29 -24 53 16.02 -24 53 13.50	30.067 .071 .071 .070		65.5 65.8 65.8 66.4		4 58.59 0.23 1 23.57 1 22.66 1 22.85 8.80 1 34.69 26.19	9.71		6.09	135 49 45.81 55 49 59.62 112 03 00.13 111 45 38.99 111 49 13.20 47 13 16.55 -3 12 52.23 31 10 14.54 31 09 17.06	1114 1152 1281	a Columbæ. γ Cancri. *(b) δ λ Argus.
3.25	-57 40 01.38 -23 18 32.51 -0 14 01.61 78 47 03.64 17 25 49.53	29.991 29.954 29.956	74.4 74.	74. 72.3 71.8		1 29.11 23.94 0.23 4 32.43 17.59				-1 37 33.74 32 45 00.30 55 49 54.91 134 55 32.82 73 30 03.87	2398 699 735 838	τ Octantis SP. α Pavonis. α Columbæ. β Aurigæ. Sirius R.
4.87 5.15	5 10 35.09 5 10 33.58	29.963 29.967	73.	68.4 65.		5.08 2.81 1 23.39 1 23.30				73 29 59.14 61 14 36.92 61 14 35.41 53 11 21.90 53 11 20.96 112 03 00.40 111 58 21.95	838 869 869 903 903 1060	ε Canis Maj. ε Canis Majori π Argus R. π Argus. γ Cancri.
8.25	55 47 58.08 -59 15 12.20 73 35 20.84	29.967 29.968	70.2	63.4 62.4		1 23.50 1 23.05 1 34.88 3 10.08 1 29.50	9.66		6.05	111 58 21.95 111 53 14.27 -3 12 50.33 129 42 27.67 -1 37 30.22 -1 37 24.97	1219	*(d) † C Octantis SI \(\lambda \) Ursæ Majori \(\tau \) Octantis SP. \(\tau \) Octantis SP.
	55 57 39.01 -0 14 01.57 19 02 19.71 -1 54 05.54 -1 22 22.56 16 02 52.96	30.242 30.240 .238 .238	69.8	62.2 62.1 62.		1 23.77 0.23 19.77 1.90 1.37				112 02 59.53 55 49 54.95 75 06 36.23 54 09 49.31 54 41 32.82 72 07 06.20	699 712 732 746	a Columbæ. μ¹ Columbæ. β Columbæ. γ Columbæ.
5.17 4.54	16 02 52.06 17 25 47.65 17 25 45.48	.236	69.	62. 62.		16.49				72 07 05.30 73 30 02.40 73 30 00.23 61 14 35.52	797 838	β Canis Major Sirius R. Sirius.
5.29	5 10 32.92 7 47 27.58	.235	68.	62.		5.19 1 18.43 9.12				61 14 34.86 63 52 42.76 47 01 23.42 47 01 13.14	869 883 928	
6.90	-56 29 34.33	.248	67.5 68.	61.5		1 26.48 13.17 1 24.87 1 24.63				-0 27 04.06 43 08 19.42 43 08 21.98 112 03 00.82 111 58 25.33	1003 1003 1060	B Octantis SI γ ² Argus R. γ ² Argus.
	55 51 09.40 -59 15 13.38 -0 31 12.67 -0 14 00.60	30.205	67.5	63.5	2	1 24.53 1 36.34 0.51 0.23			5.97	7 111 56 27.12 -3 12 52.97 55 32 43.57 55 49 55.92	2110	
6.20	78 47 06.37 -9 07 20.15 -9 07 19.44	30.128	69.2		3	9.03				134 55 40.18 46 56 27.52 46 56 28 23	829	v Argus R.

Coincidence of Micrometer Wire with fixed Wire, =20°.157 to March 3rd. From March 3rd, =20°.151 One revolution =40°.207 up to Feb. 28th. From Feb. 28th, =40°.335 Correction for Runs =2°.9 Adopted Zenith Point =326°.04′.05°.62 up to March 3rd at noon. From March 3rd at noon =326°.04′.05°.84 Assumed Co-latitude =56°.03′.56″:75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR		M	licrose	opes.			Micrometer	Correction		luded	Initials of
and	No.	or	A	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.		ding ircle.	ials
Day.	A.S.C.	PLANET.	-			-	-				1000		Tig a
			' "	"	"	"	"	"	h. m. s.	, ,,		" "	
3 March.	903	π Argus R	56 43.6	40.	34.1	55.	11.6	52.			148 56	39.21	T.N
o Danielli	928	σ Argus M.R	6 13.2						19.653	+20.32		30.89	T.N
	928	σ Argus	1 47.3	47.	55.4	33.3	44.5	23.1	1000	1		41.88	T.N
		B Octantis SP		38.3	59.4	50.8	54.8	57.8		1 1 1	269 34		T.N
	1003	γ ² Argus M.R	59 42.9	32.	30.	46.	14.9	49.9	20.285	-5.16	158 59		T.N
	1003	γ 2 Argus	8 52.1						7.00			43.27	T.N
	1060	γ Cancri	1 25.1				78.	19.7	00 000	4 25 00		46.54	T.N
	100	* (a) M							26.998 27.710				T.N T.N
		7 Octantis SP	24 18.4	9.	30.1	24.2	27.2	31.2	10 59 00		268 24		T.N
112 (1)	100	o Octantis SP							12 14 30		269 17		T.M
- 10	1492	12 Canum Ven	8 37.1	81.3	7.4	25.	99.8	14.1			39 8	54.83	T.M
- DE	1533	Spica M.R							19.442			4.51	T.M
	1533	Spica	41 10.2	3.9	7.2	5.	5.1	2.			349 41	5.66	T.M
4 March.	699	α Columbæ	50 12.8					48.5			325 50		T.M
	1060	γ Cancri	1 30.0	73.1	57.6	40.	83.4	23.8				51.14	T.M
		*(a) M								-4 36.98			T.M
		& S.L. M			00.1		00.0	20.0		-4 22.14			T.M
		σ Octantis SP ο Octantis SP							11 04 10 12 14 30		268 24 269 17		T.M
1 1 1	1463	M.R.	11 11.0						19.377		160 11		T.M
	1463		56 44.2				000000000000000000000000000000000000000	2200	10.011		311 56		T.M
THE REAL PROPERTY.	1492	12 Canum Ven	8 38.8							A COLUMN		54.66	T.M
		Companion M							20.500	-14.08		40.58	T.M
	1527	Centauri MR	59 17.9						20.440	-11.66	147 58		T.M
300 BIR	1527	Centauri	9 13.7	12.2	20.2	0.3	11.	50.1			324 9	17.85	T.M
6 March.		(a) & S.L	58 16.9	57.1	46.2	22.	70.8	7.2		1 00 00		36.34	T.M
		* (a) M	49 01 0	14.0	01 5	15 0	20. 2	11 6		-1 27.85	21 57 346 48		T.M T.M
		₽	48 21.9	14.9	21.5	15.6	20.3	11.5			340 48	17.29	1.10
7 March.	611	Capella	44 38.0						A BOOK	0.365	45 44	51.24	T.M
		(b) a Columba	50 13.2					The same of the sa	+0.20		325 50		T.M
	100000000000000000000000000000000000000	(c) β Canis Maj. M.R.	0 40.1						19.220	+37.55		12.37	T.M
	797	β Canis Majoris Sirius M. R	6 62.0 37 64.1						10 527		342 6 128 38		T.M T.M
	838 838	Sirius	29 55.						19.577		343 29		T.M
	869	€ Canis Maj. M.R.	G. C. C. C. C. C. C.						18.750		140 53		T.M
	869	ε Canis Majoris						Record Control			331 14		
		(d) B Octantis SP	34 45.2	41.	57.	54.2	52.3	0.6	7 43 00		269 34		
	1003	γ 2 Argus M.R	59 31.1						20.060	+3.67	158 59		
	1003	γ 2 Argus	8 55.4						1100			43.85	
	1060	γ Cancri	1 26.4	67.4	60.2	29,5	83.9	15.	04 070	0 40 40		46.90	
	1	8 N.L. M							24.278				
	1114	* (a) M (c) \(\lambda \) Argus M.R	54 16.6	11 3	6.5	21 0	53 5	23 4	27.006 19.495		154 54		100000
	11114	λ Argus	13 41.2						13.433		317 13		100000
	1152	θ Ursæ Majoris	13 23.8						100 30 000			34.53	
		C Octantis SP	48 65.0								266 48	51.39	T.M
	1219	λ Ursæ Majoris										39.10	-
	1130	μ Ursæ Majoris								HOME		24.11	100 000
	1270	7 Octantis SP							10 59 15		268 24		
	1370	χ Ursæ Majoris (d) γ Ursæ Majoris						36.4				17.71 18.06	
	. 1013	(a) y orse majoris	117 7.5	*1 . "	Pro. I	40.1	100.4	01.0			04 17	10.00	- A - A-

Molyneux slow, March 4th, 28s.—6th, 29s.—7th, 30s.

⁽a) An undefined torch, may be erroneous 3" or 4": no definition. Stars unfavourable,
(b) Observed at the 4th Wire,
(c) Observed on the Meridian.
(d) A mere blotch seen through a cloud.

Sec. of appa-			· Zanish	223	The	rmome	eter.			-	- 11	Microm.	6	ami	C		p n		NAME OF THE
rent Zenith Point,	Appa)ista	t Zenith	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Paralla		opposite Limb.		emi- meter.		Cent	P. D. of er.	No. ASC	NAME OF STA
,	0	0		Inch.	0	0	0	-	0	, ,		r	,	"	0	,	,		PLANET,
	_9	52	33 37	30.128	69.2	67.0			2.84	016		W 10			53	11	20 54	903	π Argus.
0 00			25.05	00.120	00.2	66.6											22.68	928	σ Argus R.
6.39			23.96	2001		- Contraction		1	9.02								23.77		σ Argus.
		-	35.15	.131	68.4	66.0		1	25.39								03.79		BOctantis SP
6.65			24.19		68.5				13.00			-							γ 2 Argus R.
0.00	-12		22.57 40.70	100	00 0	65.0		1	23.85								21.18		
			04.77	.120	00.0	05.0			23.62								25.14	1000	γ Cancri. *(a) M.
			36.05	.127		64.5			23.65		47			5.90	1000	333	41.08		d
			02.90			66.9			29.04				16				35.19		7 Octantis SP.
	-56	46	14.23	.085	68.5	66.2			26.12			D. S. J. S.			-0	43	43.60	1000	o Octantis SP.
			48.99			66.5		3	03.37								49.11		
5.09				30.060	68.5	67.5			24.66								22.74		
	23	30	59.82			1									79	41	21.23	1533	Spica.
	-0	13	59.87			100									55	40	56.65	699	a Columbæ.
			45.30					1	21.49	B TO THE					1000		03.54		
1110				29.943	73.0	78.8			20.93								26.00		*(a) M.
1000	55	53	23.16					1	20.95		40			5.90	111	58	37.36		8
100			05.26					1	26.60	1							35.11		7 Octantis SP.
				29.892	71.6			1	24.65	- 21	н						45.62		o Octantis SP
7.19	-14	07	32.37 29.68	Lauren Lauren		69.4		1	14.09								10.29		
13	73	04	48 89	29.986	71 0	68 6		3	02.09								12.98 47.66		12 Canum Ve
111111			34.74	20.000	1	00.0			02.05	1							33.51	1406	Companion.
- 10	_1			29.980	71.0	68.0		1									08.24	1527	
5.16	-1	54	47.99						1.88						54	09	06.88	1527	ι Centauri.
18	55	54	30.50	30.165	71.0	67.8		1	23.31	9.	27			5.80	111	59	47.09		8
			02.65		1				23.24								22.64	19	* (a) M.
	20	44	11.45	30.215	72.0	73.7			21.20	1.	89	9929			76	48	27.51		\$
	79	40	45.40	30.197	71.5	66.4		5	01.07						135	49	43.22	611	Capella.
LID?	-0	13	59.47	10000	1	100				1		and and			1 1 1 1 1 1 1		57.05		a Columba.
5.48			53.47		370.5	65.0)		16.37			NO THE					06.59		
0.40	10		52.74			0.0			10.0.			11111					05.86		
4.58	200		47.64 45.12			64.8		1	17.86								02.25		
1	5		33.81		70.0	65.0)	1	84888						0.00		59.73 35.71	3000	
5.99			34.11	1	1	00.0			5.18			- 1					36.01		ε Canis Majori
	-56	29	34.65	.187	70.0	65.0)	1	23.73	3		30.00	1				01.63		B Octantis SI
6.52	-12	55	23.35	.191		64.8		1	11.38						100000				γº Argus.
0.02	-12		21.99		00														γº Argus.
			41.06		69.5	64.2			24.14		00	BILLIN					01.95		The state of the s
			54.60 04.56			64.0	1		24.09		20			5.8			0.37		* (a) M.
-	0		32.38		69.0)	1	1		1000		25,15	1		10000	-			λ Argus R.
5.26			33.55		1	1	-	1	8.8	1		B. Committee							λ Argus.
			28.69			1		1		1 -1 -0		10000			1	1			θ Ursæ Majori
			14.45			1	1		35.48			0.000	1		10000		53.18	0.000	C Octantis S
			33.26		1	1	1		12.59						1000		42.53	NAME OF TAXABLE PARTY.	
			18.27		1	62	2	1000	47.3	- 1					10000		02 35	1	The state of the s
	89	30	01.86	30.171	69	63.6			29.89								34.93		τ Octantis SP. χ Ursæ Majori
			12.22		00.0	00.0	1	0	41.0	1					100	40	00.93	1010	y Ursæ Majori

Coincidence of Micrometer Wire with fixed Wire, =20°.151 One revolution =40".335 Correction for Runs =-2".9

Adopted Zenith Point =326°.04'.05".84

Assumed Co-latitude =56°.03'.56".75

Month		NAME OF STAR	_		M	icrosc	opes.				rometer		recti		(luded	Jo .
and Day.	No. A.S.C.	or		A	В	c	D	E	F		lyneux.	for l	Tim		3		ling ircle.	Initials of
2.0,1			,	"	"	,				h.	r. m. s.	,			0	,	,	
7 March	27	β Hydri SP									16 39						47.59	T.N
1 1 V	2110	ε Sagittarii					47.				7000						53.54	T.M
	2398	(a) a Pavonis					11.										36.05	T.N
7.48		ç's center	12	02.	02.	02.1	52.6	33.	45.0						047	12	51.26	T.N
4 9 March		o Octantis SP. R									08 36				202	50	23.66	T.N
- 11	1401	o Octantis SP									14 33		40		The second second		49.35	T.N
-31	1471	M.R.	18	11 0	0.9	25.8	24. 26.8	11	38.7		17.580	+1	43	.74	100000000000000000000000000000000000000		16.15 58.09	T.N T.N
100 - 11		(b) 12 Canum Ven					25.										51.71	T.N
73 10	1527	Centauri MR	59	12.9	7.5	51.4	24.7	40.4	21.1	1	20.160		-0	.32			54.43	T.N
107000	1527	Centauri	100				57.6					100					16.29	T.N
110		♀'s center	3	7.	0.4	3.4	3.2	4.8	56.9						348	03	02.33	T.M
10 March	MANA	⊙ S.L. M	41	38.9	45.2	37.	44.3	41.3	36.3		24.477	-2	54	.45	355	38	46.17	T.N
	MARRIE	⊙ N.L			159.	51.9	60.								356	10	55.37	T.N
	699	a Columbæ		12.		18.1			47.								04.58	T.N
	712 735	μ Columbæ	50	50.6	26.	29.	26. 40.2	52 1	19.								26.16 40.46	
1000	838	β Aurigæ Sirius M. R					35.8				18.590	+1	03	.00				
Maria	838	Sirius					51.						-				51.33	1000000
	869	ε Canis Maj. M.R.					71.1				19.087	1	+42	.96			32.30	70 (000000)
	869	ε Canis Majoris		46.9	37.7	51.0	28.9	43.8	25.7		00 051			-			39.21	T.N
37 61	903	(a) δ Canis Maj. M π Argus M.R	51	31.	30.1	22	29.6	11 6	10.1		20.071 20.070				2000		34.85	100000
1000	903	π Argus	11	39.	134.	47.5	222.2	37.1	13.1		20.070		TO	.01			32.19	
	915	η Canis Majoris	0	37.3	3 35.1	1 42.9	26.3	38.2	18.8	3							33.05	
	928	(a) σ Argus	1	45.1	8 45.	54.	5 29.	44.7	19.2				+1	.02			40.56	
	1003	B Octantis SP					8 46.1				45 00		11	50	0.000		48.01	
	1003	γ ² Argus M.R γ ² Argus					53.1				20.437		-11	.00			30.49	
	1060						9 39.										48.61	
		(c) & S.L. M				4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		100000	10000000		25.722						03.94	
	1150	* (a) M									27.016	-4					11.75	
	1102	(a) θ Ursæ Majoris C Octantis SP	13				9 3.9			1	57 30	100	-1	.50			33.17	
	1219		39				58.6				07 00						30.60	
		τ Octantis SP									59 30						03.16	
	27										16 374			-			55.04	
	1000	(a) ♀'s center	100		1200	10000	0 000		1000	1							37.70	1.1
12 March		(d) O N.L. M					4 27.1				22.192	-1	22	.28	356			
	611	⊙ S.L Capella					8 53.4										49.37	
	673						680.				19.906		+9	.99	1000000		02.87	
	673						2 7.1										09.37	T.I
	699						57 .:								100000		05.37	
	1060		1	24.			8 34.8	84.4	16.7		00 150		00	00			48.11	
	No.	* (a) M									28.158						25.19	
	117	(e) 2's center					7 40.5	41.	32.8	3	21.1000	1900	30				39.17	
	2741	(e) Fomalhaut					8 50.8								329	30	55.35	
D 13 March		⊙ S.L. M	49	40.	2 53.4	4 41.	50.	50.5	38.	5	20.562		-16	.54	356	49	29.02	T.1
No. of Parties		⊙ N.L	21	31.	4 44.1	8 33.	1 41.3	341.1	31.						357	21	36.69	T.1
	611	Capella	44	43.	8 82.	180.5	2 23.6	100.5	15.	1		1			1 45	44	57.00	T.I

Molyneux slow, March 9th, 30s.—10th, 31s.—12th, 33s.

⁽a) Observed at the 5th Wire.
(b) Observed at the 4th Wire.
(c) Very steady, and good observations. Excellent observing night.
(d) First observation at the 4th Wire; the 2nd one space beyond the 5th. Reductions for Dec. and curvature =-0°.34 and -0°.97 respectively.
(c) Very unsteady: bad observations.

Sec. of appa-		. 7		The	rmome	eter.			Microm.				0.1	n n .6		
rent Zenith Point.	Apparen Dista		Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	dian	mi- neter.		Cent	P. D. of er.	No. ASC	NAME OF STAR
"	0 /	"	Inch.	0	0	0	1 "	, ,,	r	,	"	0	,	"		PLANET.
	-0 31 -23 18	12.30	.130	69.3 69.0 70.0 71.0	66.5 71.6		2 19.10 0.51 24.15 21.55					55 32	32 45	40.60 43.94 02.79 1.80		ε Sagittarii.
0.01	-56 46 -33 15 -33 15 73 04 -1 54 -1 54	16.49 10.31 07.75 45.87	.035	68.8 68.5 68.5 69.0 71.0	63.5 63.6 64.0		1 26.37 37.22 3 04.16 1.90 22.30					-0 22 22 129 54	43 48 48 11 09 09	47.44 46.11 09.22 11.78 46.78 06.26 05.30 13.56	1471 1492 1527 1527	o Octantis SP. a Octantis SP R. 12 Canum Ven c Centauri R. c Centauri. Q
4.81 5.76	30 6 -0 14 19 02 79 46 17 25 17 25 5 10 5 10 7 47	40.33 49.53 01.26 20.32 34.62 47.55 45.49 33.54 33.37 29.01 33.64	30.042 .023	71.2 72.5 71.0	79.0 69.0 68.6 67.0 66.8		31.29 31.97 0.23 19.37 5 00.78 17.70 5.11 7.71	4.23		16	6.80	85 75 75 135 73 73 61 61 63	55 55 49 06 55 30 29 14 14 51	10.94 7.15 55.26 36.44 32.15 02.00 59.94 35.40 35.23 33.47 20.28	699 712 735 838 838 869 869 883	μ Columbæ. β Aurigæ. Sirius R. Sirius. ε Canis Maj. R ε Canis Majoris δ Canis Majoris
6.17	-2 52 4 56 -9 02 -56 29 -12 55 -12 55 55 57 55 53 55 53 86 09 -59 15	33.65 27.21 25.28 17.83 24.65 23.99 42.77 58,10 05.91 27.33 16.14 24.76 02.68	.033 .032 30.030	70.3 70.0 70.0 69.0	66.9 66.8 66.3 66.0 64.2 63.9		2.83 4.88 8.97 1 24.93 12.94 1 23.35 1 23.21 1 23.18 1 35.04 4 11.60 1 29.36 2 18.32	8.90	3		5,60	53 61 47 -0 43 43 112 111 111 -3 133 -1	11 00 01 26 08 03 59 58 12 43 37	20.27 28.84 22.50 46.01 19.16 19.82 02.87 14.68 25.84	903 915 928 1003 1003 1060 1152 1219	π Argus. η Canis Majoris σ Argus. Β Octantis SP γ argus R. γ argus.
6.12	22 24 30 53 30 21 79 40 15 59 -0 14	31.86 56.29 43.53 45.93 02.97 03.53 00.47	.028 30.068 .069	70.5 71.2 71.0	69.0 72.6 68.0 67.8		23.15 33.42 32.71 4 58.85 16.14 0.23	2.09 4.49 4.33		16	6.20	78 86 86 135 72 72 55	29 42 49 03 03 49	49.74 15.86 15.86 41.53 15.86 16.42 56.05	611 673 673 699	© Capella. a Leporis R. a Leporis. a Columbæ,
	55 52 55 53 23 16 3 26	42.27 19.35 06.06 33.33 49.51	.092 .091	70.5 70.5 72.0 72.0	67.0 80.8 81.2		1 23.37 1 22.37 1 23.18 23.68 3.31	2.0	3		5.50	111 111 79	57 58 21 30	02.39 35.13 25.99 51.68 49.57	2741	γ Cancri. † (a) M. Q Fomalhaut.
	31 17	22.71 30.38 50.69		72.2			32.68 33.37 4 53.77	4.4		16	6.00	87	5	53.76 50.05 41.21		⊙ ⊙ Capella.

Coincidence of Micrometer Wire with fixed Wire, =20°.151 to March 9th. From March 9th, =20°.152

One revolution =40".335

Correction for Runs =-2".9

Adopted Zenith Point =326°.04'.05".84 to March 13th, at Noon. From March 13th, =326°.04'.06".31

Assumed Co-latitude =56°.03'.56".75

Month	-	NAME OF STAR	_		M	icrosco	opes.	-	No.	Micrometer or Time by			tion rom.			luded	of or.
and	No. A.S.C.	or		A	В	C	D	E	F	Molyneux.		Tir				ling ircle.	Initials of Observer.
Day.		PLANET.	,		"	"	0		11	r. A. m. s.	,		,	0	,	"	10
13 March	673	a Leporis M.R	5	45.6	53.2	16.	70.7	11.9	56.2	21.093		-3	7.96	130	5	3.86	T.M
	673	α Leporis	3	10.1	8.0	13.2	5.8	13.3	57.7					342	3		T.M
1,247	699	a Columbæ		13.6										325	50	5.86	T.M
	712	μ¹ Columbæ	6	32.6	25.5	30.8	25.2	28.8	18.	1 1 1 1 1 1 1				345	6	26.68	T.M
	735	β Aurigæ		54.6							10					13.35	T.M
	838	Sirius M.R		12.1						19.847		+15	2.30	128	38	17.94	T.M
232.00	838	Sirius		54.4						7 30 000						51.85	T.M
	869	ε Canis Maj. M.R.		26.						18.419	+1	10	0.18				T.M
	869	ε Canis Majoris		45.2						33 (3)						38.66	T.M
4	903	π Argus M.R		53.						20.420		-10	0.81			41.12	T.M
	903	# Argus		39.1												31.56	T.M
	915	η Canis Majoris				42.								331			T.M
	928	σ Argus B Octantis SP		46.9		52.1								317		38.64	T.M
	1002	γ ^e Argus M.R	54	38.	09.	50.9	20.0	01.2	40	7 46 00		1		12200			T.M
	1003	γ° Argus	09	34. 51.	45	50 9	20.1	9.2	90.	20.020		+	0.32	1000000		32.24	T.M T.M
0.000	1003	γ Cancri								100000				313			T.M
		of N.L. M		27.1	17/200					90 571	10	10	0.00				T.M
	David I	* (a) M								29.571 27.036						12.75	T.M
	1114	λ Argus M.R		0 5				47 4	17 4	19.289	1000			4000		40.38	T.M
		(a) λ Argus								10.202	1					33.13	T.M
58 3334	1152	θ Ursæ Majoris								107.50		T	1.00			46.04	
AUDIUM.	1102	* Octantis SP								9 57 30				266	48	59.72	T.M
STREET, ST.	1219	λ Ursæ Majoris														32.07	
	1230	μ Ursæ Majoris															T.M
4000		7 Octantis SP		18.						10 59 08				100000		0.15	1000000
14 March		⊙ N.L. M	45	61.8	69.6	62.4	67.9	69.	59.9	21.390		-49	9.94	357	45	15.41	T.M
Cold Billion		⊙ S. L	13	5.	11.8	3.2	10.6	10.	2.	10.27	1			357	13	6.44	T.M
175.00	528	Aldebaran		22.	60.1	46.4	34.	68.	17.7					16	9		T.M
1999	673	a Leporis		11.7						100				342	3		T.M
	699	a Columbæ		13.		17.8								325		5.71	T.M
	746	γ Columbæ								No.				1000000		42.97	T.M
	831	ε Geminorum									100	1021		100000		50.47	T.M
3000	869	ε Canis Maj. M.R.										+4	1.91	100000			T.M
	869	ε Canis Majoris	14	46.1	38.0	48.5	32.3	42.5	27.0					331	14	39.23	T.M
16 March		(b) ⊙ S. L		21.3									0 65				T.M T.M
				60.2		100	1	18.50	-		1			10000			10000
17 March		⊙ S. L. M	24	21.0	25.8	20.8	24.7	25.0	18.8	20.589	1	-1	7.63			5.00	T.M
	869	⊙ N.L ε Canis Maj. M.R.	50	8.6	50.0	10.4	6.6	11.2	59 1	20.310			6 27	140	52	12.53 33.18	T.M
- 10	869	ε Canis Majoris		42.8						20.510	1	-	0.57			39.11	T.M
	903	# Argus M.R		44.						18 64	1 47	0	0.76			41.07	T.N
	903	π Argus		38.4							1	0		100000		32.46	T.M
	200	B Octantis SP	34	49 6	37 3	62 8	50 1	55 0	50 5	7 50 48	1	-	0.45			31.54	T.N
	1230	μ Ursæ Majoris		5.0	48	45.1	48 0	68 0	40	1 00 40	1					22.75	T.M
		τ Octantis SP		22.9	4.5	36	16.5	28 7	28 9	11 2 30						1.85	T.N
	27	β Hydri SP	13	14.	58.9	22.5	13.5	20 2	26.1	12 17 35	1			0.000		55.59	T.N
	2329	Altair		27.3							-					34.07	T.N
	2741	Fomalhaut		63.							1					58.26	
	101		1	360	1	1	1	1	1	700	1						
	1	The second second second	1		1	1-10	1	1200			100						1

Molyneux fast, March 17th, 27s.

⁽a) Observed at the 5^{th} Wire, (b) Cloudy weather and bad definition: good observations cannot be procured.

sec. of	Appa	rent	Zenith	Barom.		rmome	eter.	200				Microm.	Se	mi-	Geor	.S. 1	P. D. of	1	NAME OF STA
rent Zenith Point.	D	istar	ice.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction	Para	llax.	opposite Limb,	dian	neter.		Cent	er.	No. ASC	or
	0	,	,	Inch.	0		0	1		,	"	r	,		0	,			PLANET.
								-					-		-				
5.98				30.103	73.1	76.9		1	15.88	0.0	(gr	RESERVED IN					15.18	673	
	15		1.69		72 0	76.5		100	0.23	18673							14.32 55.97	673	a Leporis.
	19		0 55	.104		75.5			19.19								36.21	712	μ¹ Columbæ.
- //	78		6.94			75.2		4	32.43								36.12	735	β Aurigæ.
4.90			48.47	.097		74.0		3	17.51	1879			120				02.73	838	Sirius R.
	11		45.44 34.58	100	72 0	74.5		Reg							73 61		59.70 36.38	838	Sirius. ε Canis Maj. I
5.25			32.25	.102	73.0	14.0			5.05			The local division in					34.05	869	
6.34			34.71	.102	73.	74.2			2.80	Jan bo		10,811	1		53		19.24		# Argus R.
0.04			34.85	100				1		1900		0.1733					19.10	903	π Argus.
			26.86 27.77		73. 73.	74.0			8.87			COLUMN					28.43 20.11	915 928	
			39.72		73.			1	24.01				16				06.98	340	B Octantis SI
6.56			25.83		73.				12.79			2.00	30				18.13	1003	
0.50			25.53				131			Post		L. Wall					18.43		
			44.01	.102	72.5	73.5			22.40		8.76	10.0113					03.16 28.76	1060	*,
	55		6.34						22.10		0.70		100	5.50			25.25		*(a) M.
6.76			33.97	.103		72.0		1		10 5.1			9		47	13	14.07		λ Argus R.
0.70			33.28					1	8.7	19000					47	13	14.76		λ Argus.
800	86		39.63	.102		70.2		1	24 4			11.5310	18		-	10	11.10	1152	θ Ursæ Majori
200			6.69 25.66	.100		68.0		100	34.4				1				44.42 32.81	1219	* Octantis SI λ Ursæ Majori
			16.93			67.2			45.2				Min.				58.95		
9700	-57	40	6.26			66.8		1	29.0	3		10.00			-1	37	38.54		7 Octantis SP.
300	31	41	9.00	30.000	72.5	84.0			33.6	3	4.50				87	29	29.21		0
	31		0.03	00.000	12.0	0.1.0		1	32.9		4.43		16	5.70			31.02		õ
RM	50			29.929				1	04.8			No Bulletin	193				36 09	528	
3800		59		29.926		75.0			15.8				1				13.32	673	
		14	23.44	29.922	73.0	72.2			1.3								55.83 31.98	699 746	α Columbæ.
	1000	-	44.06	1		69.8		1	33.3			1000					14.18	831	
6.15				29.922	72.5	69.0			5.0				100		61		35.17	869	
0.10	5	10	32.82	BETT		100		1	0.0	1011		19 119			61	14	34.64	869	ε Canis Major
	31	56	18.13	30.220	69.0	64.0			35.5	3	4.53		186		88	16	51.11		0
	3	26	50.95	30.363	67.2	65.8		13	3.5	2		19,504	100		59	30	51.22	2741	Fomalhaut.
	32	19	58.59	30.357	67.8	66.9		1	36.1	2	4.58				88	40	31.78		0
			6.12			00.2		1	36.8		4.65		16	4.90			23.97		õ
6.15	5	10	33.23	.320	67.0	60.3	3	1	5.2						61	14	35.20		ε Canis Maj.
	0		32.70		1	00		1		-		1	1				34.67		
6.77			34.66			60.4		1	2.9	0							19.19 20.10		π Argus R. π Argus.
			34.87		66.3	60.0		1	26.9	6		1					05.08		BOctantis SF
	76	11	16.34	.324	66.0	59.0)	3	50.7	6		1000	1		132	19	3.85		μ Ursæ Majori
		40				58.6			31.1				1				38.95		7 Octantis SP.
			10 82 27.66			58.3		12	21.1 52.9			De la constitución de la constit	1				35.25 17.40		β Hydri SP. Altair.
	100			30.312				1	3.4				1				52.02		
	1				1		1								1000			100000	

Coincidence of Micrometer Wire with fixed Wire, =20°.152 One revolution =40".335 Correction for Runs =-2".90
Adopted Zenith Point =326°.04'.06".41
Assumed Co-latitude =56°.03'.56".75

Month	1		NAME OF STAR	_	1	293	icrosc	opes.			Micrometer		rrect		(luded	of of
and	No.		or		A	В	C	D	E	F	or Time by Molyneux.		Mica		1		ding ircle.	Initials of Observer.
Day.	1		PLANET.	,	,	-	"	-	-	-	r.	-,		"	0	,	,	100
	-	-	-	-			-			-	h. m. s.		-					-
18 March		-	⊙ N.L. M	19					8.7		19.007		+46	3.18	359	19	53.12	T.M
	011		⊙ S.L		44.8										100		47.69	T.M
	611		Capella		34.2								126				49.17	T.M
	673		a Leporis M.R		41.8						19.540		+24	.68	130			T.M
	699		a Columbae	50	11.3	11.1	19.4	59.	10.8	48.1	10 250		. 20		325			T.M
	734		a Orionis M.R	40	21.6 26.1	40 1	33.8	20 4	49.2	06.0	19.350		+32	.35			37.96 32.76	T.M
	838		a Orionis	38	9.	12 6	44	23	36	11.2	19.710		+17	82			19.83	T.M T.M
	838		Sirius		53.9	53.	55.1	51.	55 4	41.6	15.710		T11	.00			51.54	T.M
	869		ε Canis Maj. M.R.		37.9					44.6					100000		33.66	T.M
	869		« Canis Majoris		44.4										100,000		39.33	T.M
10000	903	13	π Argus M.R	56	55.6	57.7	40.2	12.	27.1	65.1	20.456		-12	.26	148	56	40.30	T.M
	903		π Argus	11	38.	35.5	45.9	23.9	36.4	12.7					323	11	32.13	T.M
an rily	928		σ Argus M.R	6	6.2	0.2	53.	14.1	38.4	15.5	19.343		+32	.63	155		33.48	T.M
	928		σ Argus	1		45.4	55.4	31.	42.8	20.4					317		40.29	T.M
(3/4)	1003		B Octantis SP		44.5								-				39.14	T.M
	1003		γ Argus M.R		25.0						19.776		+15	.17			33.07	T.M
	1060		γ 2 Argus		50.9	40.9	58.8	30.8	47.	20.2					313		42.38	T.M
	1000		γ Cancri δ S.L	1 46	27.5					25.0					22		48.35 24.83	T.M T.M
1			* (b) M	40	4.4	40.7	20.2	10.0	31.9	2.0	20.080		-0	00	21		21.93	T.M
3500/1/0	1130		g Cancri	22	8.5	49 3	31 0	22 6	56.4	6 3	20.000		TA	.90			28.93	T.M
		(a)	D N. L	43						4.3	0.00						28.15	T.M
	1197	1-7	π Leonis		26.	49.5	37.2	39.	51.6	29.3	3000						38.42	T.M
	1209				31.2										12	44	42.88	T.M
(9)	2329		Altair M.R		51.2						18.650	+1	00	.58	103	42	35.66	T.M
	2329		Altair	25	25.9	43.6	34.4	35.7	43.8	26.9							34.89	T.M
			ç's center	3	19.8	16.5	17.2	17.	17.1	13.2	The state of				352	3	16.44	T.M
19 March			⊙ S.L. M	11	33.6	49.	36.9	45.3	45.1	34.6	20.381		-9	.20	359	11	31.75	T.M
	1000		⊙ N.L		31.6						9.50						34.53	T.M
	611			44	44.2	26.8	20.4	28.2	42.	20.8	19.63						59.92	T.M
	673		a Leporis M.R		34.4		RESTORAGE OF THE PARTY OF THE P				19.361		+31	.91	130	5	3.47	T.M
	673 699		a Leporis	3	8.9				13.1						342	3	8.36	T.M
	734		a Columbae		13.9			1	4004		10 000		.01	0.	325		6 26	T.M
	734		α Orionis M.R α Orionis		31.9			18.		18.6	19,608		+21	.94	104		37.79 34.58	T.M T.M
	1060		γ Cancri		$\frac{25.9}{26.7}$										22		49.81	T.M
1000					54.1												19.01	T.M
	100	1	* (b) M	10000	04.1	101.0					16.887	+2	11	.69				T.M
	1197				25.9	52.9	36.6	41.	56.	31.	101007			, 50			40.22	T.M
	1209	1			30.6												48.44	T.M
				59	56.1	95.	76.8	74.7	96.	58.8	12.00				16		15.75	T.M
	1279		k Leonis	1	56.4	94.	75.6	72.	96.1	57.					15		14.97	T.M
	1303				38.6												50.63	T.M
	2329		Altair M.R	42	41.	25.5	17.	26.2	10.2	25.	19.903		+10	.04			33.96	T.M
	2329	1	Altair	25	27.	44.6	34.9	36.7	44.3	28.6							35.84	T.M
		(c)	♀'s center	31	15.2	14.8	12.7	14.8	14.7	9.1					352	31	13.00	T.M
20 March			⊙ N.L. M	1000	35.2						19.330		+33	.15			15.42	T.M
	000				3.8												10.27	T.M
	699				11.6												6.27	T.M
	734		a Orionis	21	25.2	45.	30.5	39.	43.	30.9					1	21	35.45	T.M

Molyneux fast, March 18th, 26s.—19th, 26s.—20th, 26s.

 ⁽a) Limb woolly and tremulous.
 (b) Mars an undefined mass of light: the observation may be erroneous 3°.
 (c) Observed at the 5th Wire.

CALCULATION OF GEOCENTRIC SOUTH POLAR DISTANCES.

appa-	Apparent Zenith	(50)	The	rmome	eter.				Microm.	9	iemi-	Geoc. S. P. D. of				NAME OF CT
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refra	ction.	Parallax.	opposite Limb.	dia	meter.	Geor	Cen		No.	NAME OF STA
/	. , ,	Inch.	· At			-	"	, ,	r	,	"		,	,	ASC	PLANET.
	33 15 46.91 32 43 41.28	30.311	67.5	69.6			$7.13 \\ 6.38$	4.70		16	4.70	89		11.19		0
	79 40 42.76	.248	68.0	65.0	35 7		2.46		14.33	13				41.97	611	
	15 59 2.41		68.0			1	6.35							15.51	673	
	-0 13 59.80		67.5			1	0.23							56.72	699	a Columba.
5.36	41 17 28.45	.248	67.2	63.3		5	0.20							15.40	734	
	41 17 26.35 17 25 46.58	950	67.0	60 G		1 100								13.30	734 838	Control of the Contro
5.69	17 25 45.13	.202	07.0	02.0		1	7.99							59.87	838	TOTAL MARK
	5 10 32.75	.258	67.0	62.8			e 10					400		34.69	869	
6.50	5 10 32.92						5.19		0.00			61		34.86	869	ε Canis Majoris
6.22	-2 52 33.89	.258	67.0	63.0			2.88					53		19.98	903	π Argus R.
0.22	-2 52 34.28		0.00	00 -			~.00		0.00	10		53	1 3 5 4	19.59	903	
6.89	-9 2 27.07 -9 2 26.12	.264	67.0	62.5		1	9.12		2.00	13				20.56	928	
	-9 2 26.12 -56 29 27.27					1 9	6.34							21.51 56.76	928	σ Argus. B Octantis SP
	-12 55 26.66	.264	66.8	62.5					1					16.94	1003	γ 2 Argus R.
7.73	-12 55 24.03					1	3.15							19.57		γ 2 Argus.
100	55 57 41.94	.267	67.0	63.0			4.57		1000			112	03	03,26		
	55 42 18.42	Contract of the Contract of th		10000			2.20	8.39		15	5.20			34.18	10000	8
	55 42 15.52						2.20							34.47		*(b) M.
	52 18 22.52	.268	66.5	64.0		0.00	3.84	44 14 00	1000	14	10 00				1130	q Cancri.
	54 39 21.74 42 44 32.01						2.78	44 14.09		14	49.28			35.54 21.54	1107	D π Leonis.
	46 40 36.47	.265	66.5	64.0			0.53							33.75		Regulus.
- 00	42 21 30.75		65.8											19.33		Altair R.
5.28	42 21 28.48					1 1 1 1 1 1	1.83		9.12			98	26	17.06	2329	Altair.
	25 59 10.03	30.195	67.3	76.0		2'	7.17	2.28				82	3	31.67		\$
	33 7 25.34	30.181	68.0	77.4			6.25	4.68		16	4.40			58.06		0
	33 39 28.12	100	00 0	71 0			6.99	4.75				09		52.71	011	O 11
Here	79 40 53.51 15 59 2.94	.136	69.0	70.0			7.42					100000		47.68 15.81	611	Capella. a Leporis R.
5.92	15 59 1.95			.0.0		10	6.12							14.82	673	a Leporis.
93	-0 14 0.15	.136	68.5	69.5		(0.23							56.37	699	a Columbæ.
6.19	41 17 28.62			69.0			9.46					97	22	14.83	734	a Orionis R.
0.19	41 17 28.17	and					3/2/3					97	22	15.38	734	a Orionis.
	55 57 43.40		68.0				3.08	0 00			F 00			03.23	1060	7 Cancri.
	55 40 12 60	.138		70.0			2.18	8.32	1		5.20	10000		18.01		S M
	55 42 24.29 42 44 33.81	130	68.0	68 0	4		2.29							43.33	1107	* (b) M. ** Leonis.
	46 40 42.03		68.0			10.75	9.80									Regulus.
	49 56 9.34	.128	68.0	68.5				41 43.43		14	54.36			35.27		D
	48 58 8 56		100	1000			4.72	A 3 E . US	0.5			105	03	10.03		k Leonis.
100	40 53 44.22		68.0		1	48	8.77	19 19 19 19								c Leonis.
4.90	42 21 32.45	.064	66.5	67.0		51	1.42							20.62		Altair R.
200	42 21 29.43 26 27 6.59	30.031	68.8	86.0			7.08	2.32						17.60 28.05	2329	Altair.
	34 3 9.01	30.001	60 8	89 0		36	6.53	4.79				80	51	33.40		0
1	33 31 3.86		70.6		-		5.80	4.73		16	4.10			35.78		0
	-0 14 0.14						0.23	1.70						56.38	699	a Columba.
	41 17 29.04						8.33	BUNKE						14.12		α Orionis.

Coincidence of Micrometer Wire with fixed Wire, =20°.152 One revolution =40"335 Correction for Runs =2".9

Adopted Zenith Point =326°.04′.06".41

Assumed Co-latitude =56°.03′.56″.75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR		M	icrosc	opes.			Micrometer	Correction	Concluded		Jo.
and	No. A.S.C.	NAME OF STAR	A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		ding ircle.	Initials of
Day.		PLANET.	, ,,	"	"	"	"	111	r. h. m. s.	, ,,	0 1	" "	HO
20 March	928	σ Argus M.R	5 37.4	32.2	23.7	46.2	10.6	47.6	18.586	+1 03.16	155 6	35.80	T.N
	928	σ Argus B Octantis SP		45.2	50.9	29.4	42.9	18.5			317 1 269 34	38.47	T.M
	1060	γ Cancri † S.L	1 30. 41 12.2	77.8	56.1	44.7	84.6	26.5			22 01	53.10 36.22	T.M.
	1114	*(c) L	54 16.9						27.733 19.317	-5 05.78 +33 68		30.44	T.M
	1114	λ Argus α Hydræ M.R	13 37. 6 13.9	37.7	46.3	19.8	38.	10.	20.324	-6.94	317 13		T.N T.N
a to be the	1147	a Hydræ C Octantis SP	2 17.	15.2	15.3	15.3	17.9	12.2			352 2	15.38	T.N
100	1281	η Argus MR	48 58.2 57 46.1	31.2	35.	39.9	23.		20,322		266 48 170 57	30.01	T.N T.N
100	1281	η Argus τ Oct. SP. M.R	10 55. 44 10.2				270.00	40	19.520		301 10 203 44		T.N
1000		τ Octantis SP	24 13.	1.1	27.	12.7	24.2	22.4	10 56 40 10 59 10	10.00)	268 23	56.30	T.N
	1376	β Virginis	34 39.2 27 39.	29.1	14.1	29.6	10.5	28.7	19.429	+29.16	10 34 109 27	53.28 54.05	T.N
	1376	β Virginis o Oct. SP. M.R	40 11.					10000	(12 16 00			18.12	T.M
		o Octantis SP	17 60.9				13373	0.8	19.530 12 17 00	+25.09	269 17		T.N
	2329	Altair M.R	41 42. 25 27.1	27.6	19.1		13.	25.2	18.478	+1 06.43		32.06	T.M
		Q's center	59 24.								352 59	20.21	T.A
21 March		⊙ S. L. M ⊙ N. L	58 36. 30 50.						19.897	+10.29		49.96 55.11	T.N
	673 673	a Leporis M.R	4 50.1	47.6	24.1	59.8	16.		19.599	+22.31		3.25	T.N T.N
	699 734	a Columbae a Orionis M.R	50 11.8	9.	19.4	56.4	11.9	47.8	19.771	.15 27	325 50 104 46	6.04	T.N T.N
100	734 807	a Orionis	46 38.	44.9	31.	37.	44.7	29.3			7 21	35.04	T.N
	807	Canopus M. R	44 47.2 23 56.	51.5	69.1	25.	59.2	19.2	20.290		164 44 307 23	46.66	T.N
	838 838	Sirius M.R	38 34. 29 54.	51.5	55.4	48.7	53.8				128 38 343 29	50.77	T.M
		B Oct. SP. M.R B Octantis SP	35 49.3 34 45.1	39.8	62.5	48.2	59.	56.6	700	-1 41,56	269 34	41.42	T.M
			27 39.	42.	34.2	43.5	37.5	37.5	0.500.500.50		353 27	38.70	T.N
22 March		(a) ⊙ N.L. M (b) ⊙ S.L	54 33.7 22 25.2	38.	24.2	37.	34.2	29.8	20.220	-2.74	0 22	35.05	T.N
	699 734	α Columbæ α Orionis M.R	10 12.3 45 16.						18.714	+58.01	325 50 104 46	36.89	T.N
23 March	734	α Orionis	21 22.7			1000		1			7 21 354 23	34.46	123
24 March		♀'s center ⊙ S.L. M	9 46.4		73.33				20.358	-8.31		43.72	T.N T.N
	673	⊙ N.L a Leporis	41 41.3	57.7	40.2	56.	50.5	48.2		-33.16	1 41	48.80	
	673 699	a Leporis a Columbæ	1000000	8.3	14.	7.2	12.	59.5			342 3 325 50	8.86	T.N
		(a) a Orionis M.R	46 52.3	39.1	31.5	32.2	29.	33.2	20.085		104 46 7 21	38.76	T.M

Molyneux fast, March 21st, 27s.—22nd, 27s.—24th, 26s.

 ⁽a) Observed on the Meridian.
 (b) Observed at the 5th Wire.

sec of appa-	Apparent Zenith Distance.		Famith		Thermom		mometer.					Microm.	6.	mi-	Cana	S 1	P. D. of		NAME OF STAR	
Zenith Point.				Barom.	Attuch.	Out.	Wet Bulb.	Ref	fractio	n. I	Parallax.	opposite Limb.	diar	neter.		Cent	er.	No.	NAME OF STA	
"	0	,		Inch.	· A	0		-	,	-	, ,	r	,		0	,	,		PLANET.	
	-9	2 2	9.39	29.980	71.2	78.3				-					47	01	18.59	928	σ Argus R.	
7.14		2 2	7.94					100	8.7						47	01	20.04	928	σ Argus.	
				29.976 29.970					22.8	200		1000					56.07 04.84	1060	B Octantis SP	
		37 2		29.970	11.2	78.2			20.3		8.23			5.10			43.75	1000	of Cancil.	
	55	32 2	4.03	and the same				1	20.0	06					111	37	40.84	100	*(c) L.	
6.78				29.962	71.2	78.5			8.	56					47	13	12.45	1114	λ Argus R. λ Argus.	
	05	50 3		29.957	71 0	77.0			200								35.16			
5.13	25	58	8.97						26.	87					1000		32.59		THE RESERVE OF THE PARTY OF THE	
	-59	15 2	3.43		71.5	74.0		1	32.9	99							59.57	1001	C Octantis SI	
7.72	-24	53 2	0.60	29.957	71.5	74.0			25.	74					31		07 41 10.03			
			18350		70 -	71 0		1							1000		41.01	1201	τ Octantis SP.	
6.28		40	033		70.5	71.0		1	27.	92		1			1000					
0.20	-01	40 l 30 4	101017			70.5			54	07 0	38 28.79		15	0.94		37 42	41.28 8.76		7 Octantis SP.	
0.00	36	36 1			70.0	69.4					00 20.75		10	0.94			50.68	1376		
6.09		36 1							41.	57		1					50.03			
		46 2	0.81		69.0	66.0		1	25.	78					-0	43	49.84		o Octantis SP.	
7.00	-56	46 1	9.63					1	20.	10		1000	1		-0	43	48.66		o Octantis SP	
3.67				29.960	69.0	69.0			51.	05							22.15			
0.07	4.2	21 2		20 005	~ .	00 0		-					1				16.66		- Contract of	
	26	55 1	3.80	29.965	71.0	80.0			27.	87	2.3				82	59	36.07		Q.	
	33	54 4	3.55	29.967	71.0	84.9			36.	56	4.77		16	3.80	10000		15.89		0	
	2000	26 4		20 050		77 0			37.	30	4.84	1	10	0.0	90		14.11		O	
6.16			2.65	29.952	12.4	11.0		-	15.	81					10000		15.72			
	10000			29.955	72.5	77.0			0.	22							56.16	1 300		
5.49				29.968	72.5	75.8	3		48.	55							15.77			
		17 2	28.63	29.975	72 (73.0									-		14.93			
7.90	-18	40 1	19.75	20.010		10.0			18.	79					37		18.21			
5.92				29.981	71.6	371.3	3	-	17.	53			1				59.62		Sirius R.	
	17		14.36	30.007	69	69 6	3	1					1		100		58.64		Sirius. BOctantis SI	
7.87		29 2		30.007	00.1	0.2.0	1	1	25.	58					1000		53.82		B Octantis Si	
	27	23 3	32.29	30.081	70.0	0 68.0		1	29.	20	2.39	9	1		10000		55.85		\$	
	24	50 6	28 64	30.080	70	371 0		1	38.	03	4.89		1		00	20	55.83		0	
			23.98		10.1	11.2	1	-	38.	100.00	4.8		16	3.6			57.67		0	
			0.55			0 69.5		-				1	1		55	49	55.97	699	a Columbæ.	
5.68			29.52 28.05		71.	3 69.5	2	-	49.	31		18					15.58			
	779			1	00	0 00		1					1							
				30.185					30.		2.4		-			24			\$	
	35		36.85 41.93	30.188	69.	8 69.	4	1	39.	10000	4.9		16	3.0			11.30		0	
	15		2.49		69	0 64.	3	-	40.		4.9	9			91		15.53		⊙ α Leporis.	
6.62	15	59	1.99						16.	29		1			72	03	15.03	673	a Leporis.	
	-0			30.159	2	65.	0	1		112			-				56.91		a Columbae.	
	4.4	17 5				64.											14.80		a Orionis	

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.152$ One revolution $=40^{\circ}.335$ Correction for Runs $=-2^{\circ}.9$ Adopted Zenith Point $=326^{\circ}.04'.06''.41$ to March 24° h. From March 24° h, $=326^{\circ}.04'.06''.87$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Marth		NAME OF STAR		M	icrosco	opes.			Micrometer	Correction		cluded	Jo
Month	No.	70	A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		ading Circle.	Initials of
Day.	A.S.C.	PLANET.	1			-	-					oneic.	Initi
			, ,	"	,	,	,	,	h. m. s.	, ,	•	, ,	
24 March	807	Canopus M. R	43 28.2	9.0	13.2	21.5	56.1	32.2	18.356	+1 24.44	164 4	4 28.46	T.
Series de la constitución de la	807	Canopus				22.				The last and		3 46.61	T.
	838	Sirius M.R	SUCCESSION OF THE PARTY OF THE	1 - 5		36.2			20.163	-0.40		8 21.27	T.
	838	Sirius				49.9			The same of the same of			9 51.59	T.
	883 883	8 Canis Maj. M.R.	16 52.6 51 36.2			27.			20.295	-5.73		6 40.67	T
9	915	n Canis Maj. M.R.	6 35.4							+1 13.37		33.52 40.35	-
110.7	915	η Canis Majoris	0 39.3						10.000	TI 10.07	200	34.13	less.
100		(a) B Octantis SP	34 47.1						7 56 30	-1.35	32212	4 27.94	- Com
	2398	α Pavonis SP	35 49.6								100000 21	5 25.51	T.
ASSESSED OF THE PARTY OF THE PA		A Octantis							8 34 10		271 38	8 43.92	
		24 S. L				24.						5 22.90	- Control
	1114	λ Argus M.R	53 21.			20.9			17.848			4 43.12	1000
AVERA I	1114 1230	μ Ursæ Majoris	13 38.1	51 4	30 0	0.7	60 0	3.2	0.000			3 30.72	T
	1200	τ Octantis SP							11 00 10		100000	5 25.64 3 59.31	T
	1370					58.7			1, 00 10			1 22.74	T.
	1378	χ Ursæ Majoris β Hyd. et Crat				42.4						55.21	T.
	1329	Altair	25 25.	41.7	28.8	39.	38.8	30.			17 - 100 1 30	5 33.83	1000
of will be		♀'s center	53 35.	40.	30.9	41.5	34.8	35.2	7.33		354 53	36.38	T.
25 March		(b) ⊙ N.L. M	4 43.8	54	41 9	53.	50.1	47 9	19.341	+32.71	2 /	5 20.58	T.
		(c) O S. L	33 12.0						101011	102.71		3 17.89	- Com
	. conta	B Octantis SP	34 49.						7 47 30		ALCOHOL: NO	1 29.29	See.
	1003	γº Argus M.R	59 38.						19.946	+8.31	158 59	33.82	T.
	1003	γ² Argus	8 51.1								313 8	8 41.27	T.
	0	A Octantis	38 48.1							PERSONAL PROPERTY.		31.79	T.
	2224	4 N. L	6 10.									28.93	T.
	1114	λ Argus M.R λ Argus	53 22. 13 37.4			21.4				+1 32.09		3 29.81	T.
	1152	θ Ursæ Majoris	13 38.3						00000	100001.00		3 49.96	T.
	1219	λ Ursæ Majoris	39 17.1									33.08	T
	1230	μ Ursæ Majoris	15 10.			1000	64.1					5 27.89	T.
1 11		7 Octantis SP	24 14.	0.6		100 000	1000 100		11 00 10			3 56.41	T.
		(d) χ Ursæ Majoris	34 18.	59.	44.2	8.4	67.3	2.		-2.78	48 34	1 29.93	T.
	1378	β Hydræ et Crat				42.				I I would		55.85	1000
The same of the sa	27	β Hydri SP							12 17 35.5	222 23		2 50.80	Terms.
17/21/11/11	1492	12 Canum Ven	8 37.5	82.6	64.1	35.	90.5	25.	20.454	-12.18		3 55.40	
1787 111-1	1527	Companion	58 45.4	37	96	53	13 6	51	19.379	+31.18		8 43.22	T.
	1527		9 7.9						19.579			8.26	
	1562		21 13.						19.959			111.95	
	1562	Centauri	46 65.0						10.000	77.70	327 47		T.
100	2741	a Piscis Australis	30 62.1	61.5	75.3	50.9	69.1	39.6	1 1 1 1 1 1	A PORT		59.65	
			51 33.	35.9	28.7	39.	31.1	32.		1 10 3	352 51	33.13	T.
		Q's center	22 30.2	36.6	25.4	39.4	32.9	30.8			355 22	2 32.31	T.
26 March		(e) O S.L. M	56 45.4	62.	45.3	60.2	54.5	52.8	20.254	-4.11	1 56	6 49.47	T.
		⊙ N.L	28 45.1									51.48	
	673		4 29.1	15.9	2.5	30.6	49.7	28.	18.946	+48.64		3.82	T.
	673	α Leporis	3 11.						1000		342 3		_
	699	a Columbae	50 12.							112 6 100	325 50	The second second	
	734	α Orionis	46 35.8						19.762	+15.73		37.37	T.
	734 2398	a Orionis	27 23.						0 10 14			37.12	
-	. 2000		lyneux far	-	-	section in the	-	-	8 13 14		201 34	50.61	

Molyneux fast, March 25th, 25s.—26th, 26s.

(a) By a subsequent observation, it appears that Microscope D should be 36', instead of 46s.

(b) Observed on the Meridian.

(c) Observed on the 5th Wire.

(d) Observed one space beyond the 5th Wire.

(e) The Outside Thermometer placed in an open glass tube, covered with tin foil, to guard against reflected heat from the ground, or the neighbouring walls.

Sec. of appa-	A	-	Zenith		The	rmome	ter.				Microm.		emi-	Geo		P. D. of		WIND OF ST
rest Zenith Point.		ista		Barom.	Attach.	Out,	Wet. Bulb.	Refraction.	Para	llax.	opposite Limb.		meter.	Geo	Cent		No. ASC	OF PLANET.
,	0	,	n	Inch.		0	0	, "	,	"	r	,	"		,	"		T DANGE.
7.54	-18	40	21.59	30.153	69.0	63.8		19.25	KI					100000		15.91	807	Canopus R.
	17	40	20.26 45.60	.152		63.2		17.91	70							17.24 00.26	807 838	Canopus. Sirius R.
6.43	7		44.72 26.20	.153	67.5	63.2	163									59 38 30.75	838 883	Sirius. ¿ Canis Maj. R
7.10	1		26 65 26 52	.155	67.5	63.0		7.80	10					9.0		31.20 28.20	883 915	& Canis Majoris
7.24	4	56	27.26 38.93			62.9		1 26.02	100					61	00	28 94 08.20	915	
	-88	28	41.36	.171		62.8											2398	a Pavonis SP.
	53	1	22.95 16.03	.180				1 19.69 1 15.71		1.45	19.202		19.1		6	14.11 46.20		A Octantis SP
6.92			36.25	.171				8.89						47		11.61		
			18.77 7.56	.156		62.7		3 47.71 1 29 93						132	19			μ Ursae Majoris
		30	15 87			62.0		6 48.00						138	41	0.62	1370	τ Octantis SP. χ Ursæ Majoris β Hydr. et Cra
			48.34 26.96	.123	67.0	63.9		0.93 51.82								46.02 15.53		β Hydr. et Cra Altair.
	28	49	29.51	30.121				30.74	10	2,49						54.51		Ŷ.
	36		13.71 11.02	30.115	69.0	74.3		40.53		5.03		16	2.7	0 91		43.26 45.25		0
	-56	29	37.58			64.8		1 25.37	16	4.50				-0	27	06.20		B Octantis SP
7.55			26.95 25.60	.058		64.6		13.01						43		16.79 18.14		
		25	35.08 22.06		69.0	66.0		1 18.87		1 45	21.141		19.9	5 100		02.80		A Octantis.
6.39	-8	50	36.09	.061		66.4		8.79		1.40	21.14.		10.0	47	13	11.87		
	-8 88	-	37.06 43.09	10000		65.2								47	13	10.90	1114	
		-	26.21 21 02	.062	68.5	63.2		4 12.23 3 46.81						0.00	43	35.19 4.58	1000	λ Ursæ Majoris
	-57	40	10.46			65.0		1 29.25						-1	37	42.96		7 Octantis SP.
			23.06 48.98	.053		68.0		6 42.41 0.91						100000	41 59	2.22 46.64	E COLE	A
	-67 73		16.07 48 53	.048		66.0		2 17.87						129		37.19 49.43	1499	β Hydri SP.
	73	4	36.35			000		3 4.15						129	11	37.25		Companion.
5.75		55 55	1.39 3.64	.034		64.0		1.90						54	08	53.46 51.21	1527	(Centauri
6.43			54.92 54.04	.026		63.4	1	1.70						57	46	53.37 52.49	1562	Centauri R.
1 4	3	26	52.78			75.0		3.35		0 11				59	30	52.88		α Piscis Austra
			26 26 25 44	.034 30.030		77.5		27.91 30.99		3.11 2.52						47.81 50.66		Ş Ş
				30.010	69.5	79.5	69.7			5.01		16	2.4			16.53		0
6 50	15			29.982	71.0	75.8		15.86		5.07				72	03	14.47 15 66		O α Leporis R.
6.56	15	59	2.43					0.22				1		72	03	15.04 56.22	673	
7.25	41	17	29.50	29.981	2	73.0		48.83						97	22	15.08	734	a Orionis.
	41		30 25 16.26	29.986	69.5	66.5		10.00	1			1		97	22	15.83	734 2398	

Coincidence of Micrometer Wire with fixed Wire, =20°.152 One revolution =40°.335 Correction for Runs =-2°9 Adopted Zenith Point =326°.04′.06°.87 Assumed Co-latitude =56°.03′.56″.75

The same of	NAME OF STAR					opes.					Correction			luded	Jo
No. A.S.C.	or	A		В	C	D	E	F			for Microm or Time.		read of C		Initials of
	PLANET.	,	0	"	,	7	"	"	h.	r.	, ,	0		,	=
	(a) 3 N L M	24 3	37 1	74 :	3 59. 7	7.53 9	74 3	49 9			_1 59 8	8 91	99	55 47	T.
27											-1 05.0				T.
	(b) ⊙ S. L	20 1	12.	27.	311.	24.5	21.	17.	0	25 40	-1.2	7 2	20	17.55	T.
928	σ Argus M.R									18.522	+1 05.7				r
												0 5 5 5			T.
		35 4	43.8	35.	9 19.	1 52.	6.7	45.2		20.042	+4.4				T.
991										F1 00		100000			
1000															T
										20.000	+2.7	1002			-
		25 5	20.8	57	00.	207	202.6	50 0	0	12 10	100	100000			1000
											22 7	100			T
		14	57 9	103	176	270	5 100 5	66		20.900	-33.7	D 100 100			1000
1114										10 521	195 0				T
										15.001	720.0				T
		13 6	26.8	65	6 50	7 15	79 1	8			-1 4				
											-1	10000			
2000											LOS TOPS				T
1200										00 17					_
1370										00 1,	1 320				
												1 1 1 1 1 1 1 1 1 1			
		12 (17 39 /	5	100000		-	-
	12 Canum Ven	8							1.~	1, 02.	1				
										20.485	-13.4				
1527		9	9.	2.	9 22.	1 45.	8 10.6	38.2		20.10	1				100
	¿ Virginis										100	10000			200
												1000000			
	σ Octantis									24 30	+11.3				
2039											1				
2079												0.0000			
	D N.L	20 :	30.	31.	441.	3 20.	8 38.5	9.8			1	332	20	28.53	T
2180	σ Sagittarii										1000				
2196	ζ Sagittarii											329	53	40.76	T
2398	α Pavonis	45 8	51.3	46.	171.	7 12.	61.	9.9	8	13 5		302	45	41.93	T
2741	Fomalhaut	31	1.9	2.	7 17	5 50.	11.	38.2			1000	329	31	0.12	T
	♀'s center	50	3.6	14.	0.	16.	8 8.9	6.1				356	50	8.22	T
	(-) as N.T. M			~-	0 40			10		00 ==	100	20		20 20	T
		10	54.4	75.	8 48.	57.	0 73.7	43.		20.574	-10.8			-	T
1002										10 001					
									1	19.83	+13.1				Total Control
											27.50				
									1		1 3635				
									10	17 21	1				T
										17 31	10000				The same
1402		0	00.4	04.	04.	37.	31.	21.4	1	20 470	10 6				
1597	2000 A CONTRACTOR OF THE PARTY	50 0	24 4	16	1 4	31	50 1	30 i							
										20.230	-0.0				
		2000000				2 2 2 CO 1 CO 1									
											1 11 11 11				
1002	- Alex	Total Control						4							
2741	Fomalhaut								-		1 1 1 1 1 1 1			0.75	
	928 928 928 961 991 1003 1003 2398 1114 11152 1219 1230 1370 1378 27 1492 1527 1542 1550 2039 2079 2180 2196 2398 2741 1223 1370 1378 27 1492 1527 1527 1550 1562	A.S.C. PLANET. (a) δ N.L. M. β Hydri SP. (b) ⊙ S. L. (c) E Argus M.R. β Octantis SP. γ° Argus M.R. γ° Octantis SP. γ° Octantis SP. γ° Octantis SP. γ° Ursæ Majoris γ° Octantis SP. γ° Ursæ Majoris γ° Ursæ Majoris γ° Octantis γ° Argus Mydræ et Crat. β° Hydri SP. γ° Argus Mydræ et Crat. β° Hydri SP. γ° Sagittarii γ° Sagittar	A.S.C. PLANET. (a) δ N.L. M. 24 : β Hydri SP. 13 (b) ⊙ S. L. 20 928 σ Argus M.R. 5 : σ Argus M.R. 35 : 928 g.28 g.28 g.28 g.28 g.29 g.29 g.29 g.29 g.29 g.29 g.29 g.29	A.S.C. PLANET. (a) δ N.L. M. 24 37.1 $β$ Hydri SP. 13 12.2 (b) ⊙ S. L. 20 12. 928 $σ$ Argus M.R. 5 38.2 $σ$ Argus. 1 46.8 991 (c) $ξ$ Argus M.R. 35 43.8 1003 $γ$ 2 Argus M.R. 59 43.5 $γ$ 2 Argus M.R. 54 26.4 1114 (c) $χ$ 3 Argus M.R. 54 26.4 1114 (c) $χ$ 3 Argus M.R. 54 26.8 $χ$ 4 Ursæ Majoris. 13 26.8 $χ$ 4 Ursæ Majoris. 13 26.8 $χ$ 4 Ursæ Majoris. 15 6.7 $γ$ Cotantis SP. 24 16. 1370 $χ$ 4 Ursæ Majoris. 39 15. 12 30 $χ$ 4 Ursæ Majoris. 34 4.6 1378 $χ$ 4 Hydræ et Crat. 0 1.2 $χ$ 4 Hydræ et Crat. 0 1.2 $χ$ 4 Hydræ et Crat. 0 1.2 $χ$ 4 Centauri. 9 9 9. 12 65.3 12 Canum Ven. 8 37.8 Companion 1527 (c) ε Centauri 26 32.2 $χ$ 5 Virginis 13 35.2 (f) $χ$ 19 22. $σ$ Octantis. 46 15.9 2.9 $χ$ 8 Sagittarii 34 57. 19 22. $σ$ Octantis. 46 15.9 2.9 $χ$ 8 Sagittarii 34 57. 19 22. $σ$ Octantis. 45 51.3 Fomalhaut 31 1.9 $χ$ 2 Sagittarii 30 24. $χ$ 2 Sagittarii 30 24. $χ$ 3 Sagittarii 30 24. $χ$ 5 Sagittarii 31 1.9 $χ$ 19 22. $σ$ Octantis. 45 51.3 Fomalhaut 31 1.9 $χ$ 2's center 50 3.6 (g) 2 N.L. M. 7 34.4 $χ$ 8 Arg. in Velis M.R. 27 6.2 1492 Canum Ven. 8 38.2 Companion 1527 $χ$ 1 Fomalhaut 31 1.9 $χ$ 1 Sreenter 50 3.6 (g) 2 N.L. M. 7 34.4 $χ$ 8 Arg. in Velis M.R. 27 6.2 1492 Canum Ven. 8 38.2 Companion 1527 $χ$ 1 Gentauri M.R. 59 24.4 1523 Arg. in Velis M.R. 27 6.2 2 Arg. in Velis M.R. 27 6.	A.S.C. PLANET. (a) δ N.L. M. 24 37.1 74.5 $β$ Hydri SP. 13 12.2 57.5 (b) \odot S. L. 20 12. 27.6 $β$ 928 $σ$ Argus M.R. 5 38.2 23.6 $σ$ Argus M.R. 35 43.8 35.9 91 (c) $ξ$ Argus M.R. 35 43.8 35.9 91 (c) $ξ$ Argus M.R. 59 43.5 25. $β$ Octantis SP. 34 49.3 31.003 $γ$ 2 Argus M.R. 59 43.5 25. $γ$ 2 Argus M.R. 54 26.4 16.1 114 (c) $χ$ Argus M.R. 54 26.4 16.1 114 (c) $χ$ Argus M.R. 54 26.4 16.1 1152 (c) $ξ$ Ursæ Majoris. 13 26.8 $ξ$ 5.1 114 (c) $χ$ Argus M.R. 54 26.4 16.1 1152 (c) $ξ$ Ursæ Majoris. 13 26.8 $ξ$ 5.1 1219 $ξ$ Ursæ Majoris. 13 26.8 $ξ$ 5.1 1370 $ξ$ Ursæ Majoris. 15 6.7 51. $ξ$ Cotantis SP. 24 16. $ξ$ 8.1 1370 $ξ$ Ursæ Majoris. 15 6.7 51. $ξ$ Cotantis SP. 16 65.3 $ξ$ 1492 12 Canum Ven. 8 37.8 88. Companion. 1527 (c) $ξ$ Centauri. 26 32.2 21. $ξ$ Virginis 13 35.2 49. (f) $ξ$ 1. 19 22. 33. $ξ$ 30.9 $ξ$ 1. 2039 $ξ$ A Sagittarii. 34 4.6 15.9 $ξ$ 2. 2039 $ξ$ A Sagittarii. 34 57. $ξ$ 38. $ξ$ 39. $ξ$ 30. 31. 35.2 49. (f) $ξ$ 1. 10 $ξ$ 30. 31. 35.2 49. (g) $ξ$ 1. 10 $ξ$ 3. 11 1.9 2. $ξ$ 3. 29. 39. $ξ$ 3. 30 30. 31. 30. 34. 34. 35. 34. 35. 34. 36. 36. 34. 36. 36. 36. 36. 36. 36. 36. 36. 36. 36	A.S.C. PLANET. (a) δ N.L. M. 24 37.1 74.3 52.7 $β$ Hydri SP. 13 12.2 57.3 23.9 (b) \odot S. L. 20 12. 27.6 11. 928 g Argus M.R. 5 38.2 23.6 23.5 991 (c) $ξ$ Argus M.R. 35 43.8 35.9 19. 19. (c) $ξ$ Argus M.R. 35 43.8 35.9 19. 1003 $γ$ Argus M.R. 59 43.5 25. 29. $γ$ Argus M.R. 7 40.5 80. 55. $δ$ N.L. 14 57.9 103.4 76.9 1114 (c) $λ$ Argus M.R. 54 26.4 16.8 11. 114 (c) $λ$ Argus M.R. 54 26.4 16.8 11. 114 (c) $λ$ Argus M.R. 54 26.4 16.8 11. 114 (c) $λ$ Argus M.R. 54 26.6 4 16.8 11. 114 (c) $λ$ Argus M.R. 54 26.8 65.6 50. $λ$ Ursæ Majoris. 13 26.8 65.6 50. $λ$ Ursæ Majoris. 13 26.8 65.6 50. $λ$ Ursæ Majoris. 14 56.7 51.7 38. $γ$ Cotantis SP. 24 16. 58.7 33. $χ$ Ursæ Majoris. 34 4.6 51. 32. $χ$ Ursæ Majoris. 34 57. 58. 371. $χ$ Ursæ Majoris. 35 249. 135. $χ$ Ursæ Majoris. 36 44. 43.6 57. 373. $χ$ Ursæ Majoris. 37 38. 59. 59. 59. 59. 59. 59. 59. 59. 59. 59	A.S.C. $\begin{array}{ c c c c c c c c c c c c c c c c c c c$	A.S.C. PLANET. A B C D E (a) 6 N.L. M. 24 37.1 74.3 52.7 53.2 74.3 (b) \odot S. L. 20 12. 27.6 11. 24.5 21. 928	A.S.C. PLANET. A B C D E F F PLANET. (a) δ N.L. M.	A.S.C. $ \begin{array}{c c c c c c c c c c c c c c c c c c c $	A. S.C. Por PLANET. A B C D E F Molyneux. (a) δ N. L. M. 24 37.1 74.3 52.7 53.2 74.3 42.2 23.124 (b) S. L. 20 12. 27.6 11. 24.5 21. 17. 0 25 40 928	A.S.C. or PLANET.	A.S.C. or PLANET. A B C D E F Molyneux. or Time. PLANET.	A.S.C. or PLANET. A B C D E F Molyneux. or Time. of C PLANET. The PLANET. Th	A. S.C. PLANET. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. of Circle. A. B. C. D. E. F. Molyneux. or Time. or Ti

Molyneux fast, March 28th, 23s .- 29th, 20s.

(a) Celestial objects beautifully defined to-night. The Micf.

Wire made to touch both limbs in succession.

(b) Observed beyond the 5th Wire.

(c) Observed at the 5th Wire.

(d) Observed on the Meridian.

(e) Faint and rebulous.

(f) Very indistinct, through a cloud. The definition has been excellent to-night.

(g) Woolly.

(h) The Circle clamped, and the Micrometer Wire brought successively to the N. and S. Limbs.

sec. of	Appr	rent	Zenith	Barom.	The	rmome	eter.	P		P	11	Microm.	S	emi-	Geor	s.S.	P. D. of		NAME OF STA
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Rei	raction.	Pa	rallax.	opposite Limb.	dia	meter.		Cent		No.	or PLANET.
,	0	,		Inch.	0	0	0	,	,	,	11	r	,	//	0	,	"		
				29.988 29.994							7.79	23.378		5.12			53.66 35.22	27	δ β Hydri SP.
	· later			30.087			1000-1		41.13		5.06		16	2.20	92	36	45.70		0
7.16	-9	02	27.67	30.134		65.8			9.03						47	1	20.05	928	σ Argus R.
1.10			27.10 28.70	120		GE E	00 0		9.05				9.5		47		20.62		
5.59			26.13	.130		65.5	02.8		9.47								34.92		
	-56	29	37.93				62.7	1	25.45							27	6.63	1	B Octantis Sl
			28.09 26.87			65.4		100	13.02		1123				43		15.64		
			0.35	NA.			63.0								43	0	16.86	2398	
	53	3	19.50	.132	69.0				15.28		1.43	21.941		19.22			11.88		24
-			13.72	100				1	21.40		7.64	20.412		5.25	111	16	19.43		8
6.63			36.71	.129	68.5	65.4													λ Argus R. λ Argus.
			31.07	.125		65.0	63.4								41	10	10.72	1152	θ Ursæ Majori
			24.62		68.0	64.0	62.0	4	12.38									1219	λ Ursæ Major
			18.14	.126					46.93								1.82	1230	μ Ursæ Major τ Octantis SP.
			10.30	.116					29.65 46.75								43.20 58.65	1370	
10.30			47.81	.110		00.0	01.0		0.93								45.49		
-			16.44						18.88								38.57	27	β Hydri SP.
	73		51.60 38.17	.088		63.2	61.5	3	4.66		1203							1492	12 Canum Ve Companion.
			55.84	.086	68.0	63.5	61.5	7.0	1.91						54		39.58	1527	Centauri.
	-4	37	44.60		68.0		01.0					400					7.55		d Centauri.
			34.72		68.0				38.55		0.00				110000		10.02	1550	¿Virginis.
1000			19.97 53.68		68.0				35.88 22.47		2.03						50.57		τ Octantis.
			9.09	.004	00.0	09.5	09.0		6.19								12.03	2039	h Sagittarii.
			48.04			59.4			3.51						59	34	48.30		γº Sagittarii.
000			21.66	0.50		58.0	3		6.31	6	15.11		16	3.52			6.09	0100	D
			16.89 33.89	.056		57.3 57.4			7.51 3.84			8059					21.15		σ Sagittarii. ζ Sagittarii.
-			24.94	.076		61.6	61.0		24.58			10300					7.23	200000000000000000000000000000000000000	α Pavonis.
1941	3	26	53.25	.070	69.0	71.6	66.2		3.38		-	Patricia		1/1	59	30	53.38		Fomalhaut.
	30	46	1.35	30.062	69.0	76.0	68.0		33.03		2.62				86	50	28.51	100	ô.
	53	3	31.46	30.044	70 0	66 3	65.9	1	14.95		1,43	21.514		18.96	109	8	22.77		21
	55	7	4.54			0.0			20.81		7.57				111	12	14.53		8
8.08			59.45	.048	69.0	66.0	65.0		7.32		- Nati			46 16					Arg. in Velis
			57.03 15.76	.041		65.5	64 0	6	44.16		19 19	1					52.40 56.67		Arg. in Velis.
			47.14	.011	-	00.0	04.0	0	0.92		160	1000		9			44.81		B Hydr. et Cra
1	-67	51	18.26	.044		65.4		- 10	18.01		401	100			-11	49	39.52	27	β Hydri.
	73		49 90 37.28	.036	69.0	65.0		3	3.69		1000	111111					50.34	1492	Canum Venat.
0.00			3 62		68.5	65 0		3	3.69		Wall !			14			37.72 51.23	1527	Companion.
6.83	-1	55	3 70						1.90		1			00 13	54		51.15	1527	c Centauri.
		9	35.00	.040		64.9			38.41		11,59	100		2)		14	10.16	1550	¿ Virginis.
			52.95 6.33	.037		64 6			1.70		9 05			14.00			51.40 36.95	1562	i Centauri.
100				30.081		64.6	20 -		35.92		2.05	100							Fomalhaut.

Coincidence of Micrometer Wire with fixed Wire, =20°.152 up to March 29th. From March 29th, =20°.057

One revolution =40".335

Correction for Runs =-2".9

Adopted Zenith Point =326°.04'.06".87

Assumed Co-latitude =56°.03'.56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR	_		M	icrosc	opes.				rometer			tion	1		luded		jo
and	No.	or or		A	В	C	D	E	F		Time by		Mic Tir	rom.			ling ircle.		Initials of
Day.	A.S.C.	PLANET.	_																Init
			1	"	"			"	11	h.	r. m. s.	,		17	0	1	,		-
30 March	699	a Columbae	50	11.8	10.7	25.7	51.3	17.8	41.3						325	50	6.4	12	T.N
8		B Octantis SP	80000		A DOMESTICAL PROPERTY.		100000000000000000000000000000000000000		46.4		47 40						26.4		T.N
	1003	γº Argus M.R							41.7		19.830		+13	3.19	158	59	34.1	14	T.M
	1003	γº Argus	10000		100000	The same of the same of	100000000000000000000000000000000000000	1 - 1	9.8								40.0		T.N
		A Octantis							49.0		34 20						29.3		T.N
	1114	4 S. L							58.3		10 040				19		10.7		T.N
- 119	1114	λ Argus M.R							19.0		19.049		+44	1.69			44.4		T.A
	1152	λ Argus θ Ursæ Majoris	1000		The state of the s		100000000000000000000000000000000000000		0.2								29.5		T.A
THE STATE OF	1219	λ Ursæ Majoris							2.5								53.6		T.M
	1230	μ Ursæ Majoris	80000		1000	10/2///2			58.6						1000000		31.		T.N
		7 Octantis SP									01 30		-(0.12	CV EDITOR		55.1		T.N
- Annah	1370	χ Ursæ Majoris							53.4								25.9		T.A
	1378	B Hydræ et Crat							32.1								53.9		T.N
	27	βHydri SP	12	67.1	54.1	79.3	5.0	79.0	17.0	12	20 10		-	3.46	258	12	46.5	52	T.M
13.4	1492	12 Canum Ven	8	39.3	86.4	66.2	38.0	93.9	27.2						39	8	58.1		T.N
		Companion									20.508	_	-14	4.20	39	8	43.9	92	T.N
100000	1527	Centauri M.R							54.7		20.899		-29	9.93	1232		10.3		T.N
	1527	Centauri	9						36.4						324	9			T.N
	1542 1550	d Centauri							56.0						10000000		21.5		T.N
	1562	ζ Virginis				10000	100		41.0								42.1		T.M
	1579	i Centauri							38.0						327	100	0.0		T.A
	10.0	Companion	40	04.0	00.4	10.0	49.4	11.0	39.7	1	20.233			2 07			57.9		T.N
	3000	*	34	56 3	70 0	54 1	70 (63 2	61.0		20.200			0.07	358				T.N
		z Octantis									16 04				1005190		52.9		T.N
7410	2741	Fomalhaut							45.1		-				100000000000000000000000000000000000000		0.5		T.A
8.99		♀'s center							58.6						100000		59.4		T.N
31 March		(a) ⊙ N.L. M	26	41.0	58.3	46.7	53.0	58.7	44.0		21.892	-1	1	0.26	4	25	39.4	18	T.N
		⊙ S. L	53	36.7	49.0	36.6	3 44 .:	349.9	34.9						3	53	41.1	19	T.N
1000	699	a Columbæ							49.5		-				325	50	7.3	36	T.N
	The same of	B Octantis SP	34	43.0	36.1	57.9	46.5	255.0	54.0	7	48 05				100000		28.5		T.M
		A Octantis									38 30				10000		30.6		T.M
		(c) & S.L							12.3		17 701		-	- 20	21		26.6		T.A
	1114	λ Argus M.R λ Argus							24.2		17.791	+1	1 36	0.19	10000		44.4		T.M
	1152	θ Ursæ Majoris	13	20.1	56 4	40.6	0.6	11 /	54.0								28.9		T.N
	1219	λ Ursæ Majoris	39	19 3	2.1	56 8	3.5	19.7	55.8						1000		35.7		T.N
	1230	μ Ursæ Majoris															30.5		T.N
	75.00	τ Octantis SP	24	12.1	0.0	24.9	13.1	21.1	23.0	11	00 23						55.9		T.N
	1370	χ Ursæ Majoris	34	9.7	50.2	43.3	52.6	7.0	44.8								24.		T.M
	1378	β Hydræ et Crat	59	58.4	57.8	7.5	47.0	57.2	37.3						326	59	53.7	73	T.N
	27	β Hydri SP. M	12	44.0	32.3	52.7	47.7	52.5	58.8		19.675		+15	9.16	258	12	46.8	89	T.N
	1443	u Centauri							31.9	-	1, 20				700000		49.6		T.N
	1492	12 Canum Ven	8	37.5	24.0	14.1	25.9	41.7	15.5		-				39		56.0		T.M
	3.505	Companion							127		20.510	_			39		41.4		T.N
	1527	Centauri M.R							45.1		20.720		-25	2.99	147				T.A
	1527 1542	d Centauri	9						9 1						10000000		1.4		T.N
		d Centauri (b) ζ Virginis	120						38.2								21.3		T.A
	1562	Centauri	47						344.0								59.8		T.N
	1580	h Centauri	1000						32.4			1					48.8		T.N
		Companion	100							1	20.532			- 47	328				

 ⁽a) The spots on the Solar disc continue numerically undiminished.
 (b) Observed at the 5th Wire.
 (c) The Mean of the Microscopes appears too little by 10°.

ec. of	Apparent Zenith		The	rmome	eter.			Microm.	Semi-	Geoc. S. P. D. of		NAME OF STA
rent Zenith Point,	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.	Center.	No.	0.7
,	0 1 11	Inch.	0	0	0	1 8	, ,	r	, "	. / #		PLANEL.
	-0 14 0.45	30.054	70.0	69.7		0.23		, is to		55 49 56.07	699	α Columbæ.
	-56 29 40.39					1 24.77				-0 27 8.41		B Octantis SI
7.09	-12 55 27.27	.048	70.0	68.4	1000	12.91				43 8 16.57		γ² Argus R.
	-12 55 26.83 -54 25 37.49	061	70.0	60 2		1 18.53				43 8 17.01 1 37 0.73	1003	γ a Argus. A Octantis.
	53 3 3.87		69.5	0.000	_	1 14.69	1.43	19.202	19.26			2
7.00	-8 50 37.61	10000	69.5		_				10120	47 13 10,38	1114	
7.00	-8 50 37.36	110000				8.76				47 13 10.63	1114	λ Argus.
	86 9 46.73		69.5							100 10 00 10	1152	θ Ursæ Major
344	77 35 26.97 76 11 24.71		69.5			4 9.76 3 44.59				133 43 33.48 132 19 6.05		
	-57 40 11.71		69.5			1 28.74				-1 37 43.70	1200	7 Octantis SP
	82 30 19.04		69.5			6 41.30				138 40 57.09	1370	x Ursae Major
	0 55 47.09		69.5			0.92				56 59 44.76		B Hydræ et C
	-67 51 20.35		69.5			2 17.87				-11 49 41.47	27	
	73 4 51.25 73 4 37.05	.062	69.5	65.3		3 3.78				129 11 51.78 129 11 37.55	1492	12 Canum Ve Companion.
	-1 55 3.50	063	70.0	65 2	64.0					54 8 51.35	1527	
6.16	-1 55 4.93	.000	10.0	00.2	01.0	1.90				54 8 49.92		
	-4 37 44.90	.065	70.0	65.2		4.59				51 26 7.26	1542	d Centauri.
	34 9 35.32		70.0			38.42				90 14 10.49		
	1 42 53.21		70.0			1.70		1000		57 46 51.66		
	1 44 54,13 1 44 51 06	.068	70.0	64.5		1.73				57 48 52.61 57 48 49.54		k Centauri. Companion.
	32 30 55.10	.065	70.0	64.5	63.7	36.14	2.06			88 35 25.93		*
	-53 30 13.93		70.0			1 16.49				2 32 26.33		z Octantis.
	3 26 53.68		70.0			3.39				59 30 53.82		Fomalhaut,
	31 44 52.60	30.082	70.0	72.4	68.0	34.58	2.69			87 49 21.24		Ŷ.
	38 21 32.61	30.067	70.5	75.0	70.0	43.98	5.30		16 1.00	94 10 7.04	1	0
4	37 49 34.32 -0 13 59.51	19/05/				43.14	5.24			94 10 9.97	000	⊙ a Columbæ.
	-56 29 38.60	197	70.5	65.8	64.0	0.23				55 49 57.01 -0 27 7.24	699	B Octantis S
	-54 25 36.21		70.5							1 37 1.35		A Octantis.
	54 58 19 78	.123	70.0	64.8		1 20.82	7.43	19.889	5.27			8
6.78	-8 50 37.72	.122	70.0	64.5		8.84				47 13 10.19		
	-8 50 37.90 86 9 24.82	100	70.0	64 2				TO COM		47 13 10.01		λ Argus. θ Ursæ Majori
III TO	77 35 28.84		70.0			4 12.22				133 43 37.81		
	76 11 23.38		70.0			3 46.78						μ Ursæ Major
-	-57 40 11.67	.120	69.5	64.8		1 29.50			B 11 10	1 37 44.42		7 Octantis SP
	82 30 17.31		69.5			6 46.05		100				X Ursæ Major
	0 55 46.86	100000	69.5	2000		0.92		2.00	11-60 1	56 59 44.53	10000	
	-67 51 19.98 -4 12 17.18	10000	69.0 69.0	00000	20000000	2 18.54		Ralls		-11 49 41.77 51 51 35 39	1443	
	73 4 49.20		69.0			3 4.49			ME IN	129 11 50.44		
1	73 4 34.68			433	1	3 4.47		Diame.		129 11 35.90		Companion.
5.40	-1 55 2.52	.114	69.0	64.1		1.90	2.1.10,08	BYTTE		54 8 52.33		Centauri R.
1	-1 55 5.47	224	60 0	C. C			1 3 5	100	1 1 1 -	54 8 49.38		Centauri.
	-4 37 45.37 34 9 34.27		69.0 69.0			4.61 38.58		YA YA	6 3 1 1 2	51 26 6.77 90 14 9.60		d Centauri. ζ Virginis.
1	1 42 52.69		69.0			1.71		E TO E		57 46 51.15		
1	2 48 42.01							0,800	100	58 52 41.56	1580	h Centauri.
	2 48 26.60	-		1		2.80			21 51 51	58 52 26.15	21.	Companion.

Coincidence of Micrometer Wire with fixed Wire, March 29th and 30th, =20r.157 March 31st, =20r.150

One revolution =40"335

Correction for Runs =-2".9

Adopted Zenith Point =326°. 04'. 06".87

Assumed Co-latitude =56°. 03'. 56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

March		NAME OF STAR			N	licrosc	opes.				rometer		C	onel	luded	Jo
Month and	No. A.S.C.	NAME OF STAR	1	A	В	C	D	E	F		lyneux.	for Microm.			ling ircle.	Initials of
Day.	4.5,0	PLANET.	-	11	-	-	-	-	- 11	_	r.	, ,	-	,	,	Fil
	_		-								m. s.					
2 31 March		(a) ‡	42	47.(55.	046.0	54.0	50.0	49.7			111111111111111111111111111111111111111	358	42	50.01	T.
ь 1 April		⊙ S.L. M				0 31.7					19.781	+14.88	100		52.40	T.I
	673	⊙ N.L a Leporis				942.0 414.8								48	49.73	T. I
	699	α Columbæ				621.0						March 1	325		7.46	T.
.150	734	a Orionis M.R				5 55.3					19.419	+29.48	104	46	36.85	T.
1.0	734	a Orionis				1 35.1									35.94	T.
JUDON.		B Octantis SP									47 15		1		27.44	T.
-1100	1003	γº Argus M.R				1 35.					20.312	-6.49	10000		37.98	T.I
1999	1003	γº Argus				449.8						93377	313		39.16	200
	1070	a Pisc. Naut				6 0.1						PHILIPPINE .			48.43	Service .
	1114	Y S.L				8 27.4 2 14.4					10 570	102.00	1-		21.70	T.
	1114	λ Argus M.R λ Argus				440.8					19.578	+23.07			29.71	T.
	1152	θ Ursæ Majoris	13	32	7 9	1 3.7	11.9	26.1	5.3			100000			44.47	T.
Tank o		(b) λ Ursæ Majoris				4 59.6						-2.50			34.83	T.
18 19	1230	μ Ursæ Majoris				251.8						2.00	100000		29.80	T.
		7 Octantis SP				6 22 .4									54.54	T.
11111	1370	χ Ursæ Majoris	34	9.	1 49.	0 45.5	49.1	7.7	42.8			LOT SATE			23.40	T.
	1378	β Hydræ et Crat	59			9 5.4						A TOOL	326	59	53.33	T.
- Bud	27	β Hydri	13								18 27	-0.40	258	12	46.81	T.
0.00	1492	12 Canum Ven	8	40.0	526.	0 19.0	27.8	45.4	17.8			and the same	39		59.05	T.
		Companion M	1::-							1000	20.468				46.22	T.
100	1527	Centauri MR	1000			928.					19.530	+25.01	Value 1		9.37	T.
	1527	Centauri	9			114.5							324	9	2.55 52.59	T.
	1550	(c) z Ursæ Majoris				0 39.7									42.79	T.
	1562	i Centauri	47			7 12.3							1 - 120		59.85	T.
	1579	k Centauri	49	5.4	1 3.	4 14.0	53.8	3.7	46.7	1		all the same	327		0.79	T.
		Companion M									20.239	-3.59	100000000000000000000000000000000000000		57,20	T.1
1,000	100	* preceding	50	51.	5 1.	0 52.5	59.3	58.5	54.0			10000			56.00	T.
AB INTE	200	* sf								1	20.423	-11.01	358	50	44.98	T.1
		*									20.500	-14.12	358	50	41.88	T.1
		(d) α Pavonis				357.0						200	100000		43.78	T.
	2741	(e) Fomalhaut				911.0						+0.17			1.17	T.
						33.5					24.660	-3 1.91				T.I
	27	Q's center β Hydri				0 6.9					17 17	Pasilities and the same of the	BEE		11.61 47.12	T.
	21	p nyun	00	02.1	02.1	04.6	2.2	10.1	0.1	0	17 17	The same	201	30	41,12	1
O 2 April	11/10	(f) ① N.L. M	11	41.0	57	8 44.8	55.2	56.0	47 5		20.050	+4.03	5	11	54.23	T
		(d) ⊙ S.L	39	47.8	6.	148.2	2.8	1.5	54.9	1		-0.80			55.66	
													1			
§ 5 April	1	B Octantis SP	34	47.	35.	1 7.5	42.0	58.3	51.2	7	18 0	1 Bellen	10000		29.87	T.1
	1003	γ Argus M.R	58	37.9	19.0	22.9	33.0	4.6	41.9	1	18.442	+1 8.89	1		34.68	T.I
	1003	γ 2 Argus	8	07.	42.0	2.9	19.2	49.0	12.8						39.44	T.I
	THE REAL PROPERTY.	24 N.L. M	20	26.	371	260.2	42.0	02.2	30.9	1000					43.48	T.I
	1114	δ N.L				9 52.9					19 400	+1 10 50		-	54.80	T.I
	1114	λ° Argus				351.2					10.400	+1 10.59	The second		28.13	T.1
	1152	θ Ursæ Majoris				32,7						The second			22.20	TI
	1100						100				19.440	+28.64	005	10	21.20	
	11111	C Oct. SP. M.R				521.0	100000	100000		19 8	58 0	+28.64	205	19	31.11	T.1
	1933	C Octantis SP									59 50		266		45.85	T.
	1219	λ Ursæ Majoris	139	14.0	158 (144 (5 8	7 0	57 0				43	39	30.72	TT

Molyneux fast, April 1st, 19s.—2nd, 18s.—5th, 19s.

⁽a) Faint.
(b) Leaving the field.
(c) A faint rebulous blotch,

 ⁽d) Observed at the 5th Wire,
 (e) Observed at the 4th Wire,
 (f) Observed on the Meridian.

Sec. of appa-		Pont	Zenith		The	rmome	eter.			-	Microm.	6	emi-	Geor	. 8 1	P. D. of		NAME OF STREET
rent Zenith Point.		Dista		Barom.	Attach.	Out.	Wet. Bulb.	Refraction.	Para	llax.	opposite Limb.	dia	meter.		Cent		No. ASC	NAME OF STA or PLANET.
	0	,	"	Inch.	0	0	0	1 11	,	"	r	,	"	0	,	"		PLANEI.
	32	38	43.14	30.115	69.0	61.8	62.0	36.57	1.00	2.07			00	88	43	14.39		*
	38	12	45.54	30.170	72.0	75.0	68.5	43.89		5.28		16	00.70	94	33	21.60	9.6	0
1000	38	44	42.87					44.73		5.34	11111111	10	00.70	3/4	-	18.31	050	0
100			02.80 59.40	.121	71.0	12.5	67.0	16.03			190			1000000	-	15.58 57.12	25.5	The second second second
6.40	41		30.01	.124	71.0	72.0		49.04	1		111000					15.80		a Orionis R.
0.40	41		29.08	1.00		00 0	188		1					100000		14.87	734	a Orionis.
12 100	-56	29	39.42 31.12			66.8 66.8		1 25.29								07.96 12.63	1003	BOctantis SP
8.57			27.70	.140	10.0	00.0	0.0	13.00			6,7113.1					16.05		
	1	19	41.57			67.8		1.31						57	23	39.63	1070	a Pix. Naut.
			14.84			66.8		1 15.08		1.42	19.179		19.58	109	08	44.83		4
6.92			37.26 37.15	.141	70.0	67.0	65.5	8.80			PART I			47	13	10.69	11114	λ Argus R. λ Argus.
		-	37.61	.141	70.0	67.0					19 113						1152	θ Ursæ Majori
	77		27.97			67.4		4 10.81			13000					35.53	1219	λ Ursæ Majori
3776	76		22.94			66.3		3 46.02			1			132		5.71	1230	μ Ursæ Majori
			12.32 16.54			66.0		1 29.30 6 45.10			DATE					44.87 58 39		τ Octantis SP χ Ursæ Major
			46.47			66.3		0.83			1 1 1 1 1			56	59	44.05	1378	B Hydr. et Cr
		-	20.05	.134	69.5	66.3		2 18.18						-11	49	41.48	27	B Hydri SP.
	73		52.19 39.36	.133	69.5	66.5		3 3.73			000			129	11	52.67 39.81	1492	
	1		02.51	.128	69.5	66.5					19193	10		54	08	52.35	1597	Companion.
5.96			04.31		00.0			1.89			1 18			54	08	50.55	1527	, Centauri.
			45.73			66.5								1000			1534	ζ Ursæ Majori
			35.93 52.99			66.5		38.39						90	14	11.07 51.43	1550	Z Virginis.
	i		53.93			66.7		1.73			13060			57	48	52.41	1579	i Centauri.
	1	44	50.34					1.73						57	48	48.82	1579	Companion.
	10000000		49.14	.113	69.5	66.4		36.50			100					22.39		*
	2000		38.12 35.02					36.46		2.08						11.33 06.15		*
			23.08	.098	69.8	63.3		24.5		2.00				32	45	09.16	2398	* Pavonis.
	3	26	54.31	.097	70.0	67.0	64.8							59	30	54.46	2741	Fomalhaut.
			27.87			72.8		34.79		3.47						55.87		ş
			04.75	30.097		72.8		35.91 54.31		2.76						34.65 42.70		β Hydri.
				100000		1		100000			0.0 1.0						16	p Hyun.
				30.093	70.0	73.0	68.0			5.39						23.65		0
1000	38	35	48.80			149		44.56	5	5.32	.191			94	56	25.29		0
	-56	29	36.99	30.098	69.0	60.6		1 26.17	,		KAS III			-0	97	06.41		B Octantis SI
			27.82 27.42				58.8									15.79	1003	
7.00				100	00 -	FO -		1.000						43	08	16.19	1003	γ a Argus.
			36.62 47.94				57.1 57.0				21.119					32.28 52.94		4
0 10	0		37.86			58.0				7.00	20.410		0.2					δ Argus R.
6.43			38.73	0000				8.95	100					47	13	09.07	1114	λº Argus.
	86	09	15.34	.112	66.5	57.6		1000	100					1-11				θ Ursæ Majoris
	_50		24.25	1000		57.3		1000			LITE L.	1		-3	13	04.00		C Octantis SP
8.48			21.01	2000	2000	100000		1 36.50			100			-3	13	00.76		C Octantis SI
	77	35	23.86	.109	64.0	57.2	56.5	4 15.75			1	1					1219	λ Ursæ Majoris

Coincidence of Micrometer Wire with fixed Wire, =20°.150 One revolution =40".335 Correction for Runs =-2".9

Adopted Zenith Point =326°.04'.06".87 to April 1st. From April 1st, =326°.04'.06".86

Assumed Co-latitude =56°.03'.56".75

Month	400	NAME OF STAR			1	Micros	copes.				crometer			tion	(luded	Jo .
and	No.	or or		A	В	C	D	E	F		Time by		Mic	rom.			ling ircle.	Initials of Observer.
Day.	A.S.C.	PLANET.	_	-	-			-	-		r.		-	-				_ 130 0 E
			'	"	"	"	"	"	"	h.	m. s.	,		"	0	1	"	
5 April	1230	μ Ursœ Majoris	15	07.	1 52.	9 39 .	2 00.	5 03.7	52.4						42	15	25.93	T.M
								2 30.0							268	23	59.62	T.M
	1370 1378	χ Ursæ Majoris β Hydræ et Crat						0 50.0									15.61 52.76	
											17 26						50.76	
1000	1550		13	33.	0 47.	0 34.	8 44.	2 42.4	36.4						0	13	39.28	T.M
	2200	(I) T						1 58.8			10.01	. 89			100000		54.27	100000
10.10		(b) α Pavonis (c) α Indi									13 01 27 22			1 20			45.15	
	2741							0 10.3						1.20	The second		02.10	100000000000000000000000000000000000000
	27	(d) β Hydri	51	07.	4 49.	6 28.	5 1.	4 13.2	11.4	0	18 53		+(0.88	281	50	49.38	T.M
4 6 April	3110	⊙ S.L. M						7 47.5			23.597	-2	19	9.04			23.66	
ALC:	070	⊙ N.L						0 25.2									19.41	
	673 699	a Columbae						2 13.8 0 15.5	10000000						10000000		09.18	10000000
19 19 19 19	712	μColumbæ						3 28.8									28.36	
	732	β Columbæ						4 10.1									02.08	
311 42	838	Sirius						1 53.0			20.160		-	0 40			49.91	
		(c) ε Canis Majoris						5 46.2			20.100		-	0.40			38.56	
		B Octantis SP						5 57.9			47 10				269	34	26.18	T.M
	990	z Argus						8 27.8									15.26	
	1003	γ° Argus μ S. L						7 52.1 3 16.6							19	08	38.48 58.72	T.M
	W.	d's center						1 0.8									42.12	
		*	29	16.	2 28.	1 15.	5 27.	7 23.8	19.0								21.30	
		(f) \(\varphi \cdots \	16	35.	2 50.	4 35.	5 50.	0 46.0	40.0	2			-	1.60	1	16	41.09	1000
7 April		⊙ S. L. M						3 34.6			20.902		-3	0.33	1 100		58.39	THE RESE
	838	⊙ N. L						5 61.7 2 59.0				1			343		54.26	
	000	B Octantis SP						7 58.3									28.84	
	990	ζ Argus	27	22.	7 19.	2 35.	600.	424.0	49.0								14.94	
	1003	γ e Argus						3 52.7			00 265			0 71	313	08	39.69	T.M
		A Octantis M	38	46.	8 52.	0 05.	4 02.	0 05.4	5.0	1 8	20.367		-	0.50	271	38	29.83	T.M
	1070	(f) α Pix. Naut	23	52.	9 53.	0 59.	4 42.	8 52.6	32.3						327	23	49.23	T.M
		\$ S.L													100000		18.95	
	1114	λ Argus	30	36.	8 32.	0 44.	7 16.	732.9	51.0			100			10000		28.37	The same of the same of
	1230	μ Ursæ Majoris	15	08.	5 54.	2 48.	4 55.	1 12.0	46.0			100			42	15	27.33	T.M
		τ Octantis SP	24	08.	303.	3 20.	0 16.	9 20.9	22.4	11	03 15				268	23	54.61	T.M
	1370	(g) χ Ursæ Majoris β Hydræ et Crat	33	61.	641.	0 96.	3 43.	0 59.0	35.4								15.63 52.25	
	1	THE RESERVE AND DESCRIPTION OF THE PARTY OF			-1					1	19.587		+2	2.71			49.25	1000
	27	β Hydri SP. M	100					1000	13333	III.	2 17 29							
	1433	u Centauri						6 47.8				-			100000000000000000000000000000000000000		48.36	and the second
	1542	d Centauri						5 22.	100000000						10000000		20.67	100000
	1550	ζ Virginis	13	37.	8 48.	0 39.	9 45.	0 46.0	38.8	3		1					42.23	
	1562	i Centauri M	100		100 100 100	0.000000		2 45.7	-		22.719	-	4:	3.69	327	46	59.57	T.M
	1570	(h) v Centauri M	8	61.	2 57.	267.	9 45.	0 55.4	35.8	3	21.771	-	+2	.17	319	07	50.27	T.M
	1580	h Centauri						6 50.0						,	328	52	47.40	T.M
	la de	‡	136	55.	063.	053.	761.	0 59.8	3 55.0)I	Maria)		40	(e)	359	36	57.74	T.M

 ⁽a) The Stars are crabby, excepting low down towards the North. The night is calm and serene. 10°, added for error in reading off.
 (b) Very bad image. A cold morning.
 (c) Observed at the 5°th Wire.

(d) Observed at the 4th Wire.
 (e) Observed on the Meridian.
 (f) Observed beyond the 5th Wire.
 (g) A nebulous blotch.
 (h) Leaving the field.

sec. of appa-	Apparent Zeni	th -	The	rmome	eter.			Microm.		Semi-	Geor	S 1	P. D. of		NAME OF STA
rent Zenith Point.	Distance,	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.		ameter.		Cent		No. ASC	or PLANET.
"	010	Inch.	0	0	•	1 11	' "	r	,	"	0	,	"		
	76 11 19.0 -57 40 07.2 82 30 8.7 -0 04 14.1 -67 51 16.1 34 09 32.4 34 32 47.4 -23 18 21.7 -13 54 50.5 3 26 55.2	4 .108 5 .108 0 .108 0 .108 0 .098 1 .093 1 .075 8 .074 4 .068	64.0 64.0 64.0 66.0 66.0 66.5 66.5	55.5 53.6 53.6 54.0 52.8 52.6 52.5 53.0 64.0	60.9	1 31.07 6 55.14 0.07 2 21.45 39.40 39.97 25.01 14.37 3.43	2.18				138 55 -11 90 90 32 42 59	37 41 59 49 14 37 45 08 30	$\begin{array}{c} 41.55 \\ 0.64 \\ 42.58 \\ 40.80 \\ 08.57 \\ 21.95 \\ 10.03 \\ 51.80 \\ 55.42 \end{array}$	27 1550 2398 2417 2741	r Octantis ŠP. χ Ursæ Majoris β Hydræ et Cr β Hydri SP. ζ Virginis. * a Pavonis. a Indi. Fomalhaut.
6.76	40 39 12.5 15 59 02.3 -0 13 59.1 19 02 21.5 -1 54 04.7 17 25 43.0	0 30.031 5 29.967 2 29.967 0 29.970 8 29.970 5 29.979 0 29.982 0 30.015 8 30.015 8 .028 6 .034 6 .038	69.8 70.0 70.0 70.0 70.0 70.0 70.0	69.3 73.0 73.0 73.0 68.3 68.0 64.4 64.0 63.5 62.8 62.3		54.82 47.27 48.17 15.93 0.23 19.19 1.85 17.63 5.08 1 25.31 5.57 13.02 1 15.42 1 19.61 37.89	5.48 5.55 1.44 7.00	19.260		59.40 17.98	96 96 72 55 75 54 73 61 61 -0 50 43 109 110	27 27 03 49 06 09 29 14 14 27 26 08 34	44.45 54 73 52.52 15.00 57.40 37.44 50.12 57.43 33.73 33.53 09.24 59.58 15.35 20.58 44.62 46.96	673 699 712 732 838 869 869 990 1003	a Columbæ. μ Columbæ. β Columbæ. Sirius. ε Canis Maj J. ε Canis Majori Β Octantis Si χ Argus.
		3 30.151 3 30.149 0 .133 2 .140 92 .138 7 .136	68.0	66.5 67.0 61.5 60.8 60.6	61.3	39.97	2.99 5.5- 5.60	1	15	59.10	91 96 96 73 -0 50	50 50 29 27 26 08	08.03 30.65 28.67 59.10 07.55 59.19 16.44	838 990 1003	⊙ ⊙ Sirius. B Octantis S ζ Argus.
	1 19 42.3 54 24 12.0 -8 50 38.4 77 35 25.3 76 11 20.4 -57 40 12.3 82 30 8.3 0 55 45.3	99 .149 99 .151 98 .162 97 .163 97 .163 99 .161	66.5 66.5 66.0 66.0 66.0 66.0 66.0	60.5 60.5 60.5 60.5 60.5 60.5		13.28 1 19.89 8.91 4 14.50 3 49.04 1 30.34 6 50.13 0.93	6.9	19.891		5.2	3 110 47 133 132 -1 138	29 13 43 19 37 40	36,63	1114 1219 1230 1370 1378	δ λ Argus. λ Ursæ Major μ Ursæ Major τ Octantis SP χ Ursæ Major β Hydr. et Cr
	-67 51 17.0 -4 12 18.3 -1 55 06.4 -4 37 46.1 34 09 35.1 1 42 52.3 -6 56 16.8	50 .147 40 .143 19 .143 17 .143	65.0 65.0 65.0 65.0 65.0 65.0	60.0 59.8 59.8 59.8 59.8	333333	2 19.98 4.22 1.92 4.66 38.93 1.79					51 54 51 90 57	51 08 26 14 46	40.84 34.03 48.43 05.91 11.05 51.18	1433 1527 1542 1550 1562	u Centauri. c Centauri. d Centauri. ζ Virginis.
	2 48 40.8 33 32 50.8	.143	3 65.0 3 65.0 0 65.0	59.5	5	2.89 37.97	2	3	1		58	52		1580	h Centauri.

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.150$ One revolution $=40^{\circ}.335$ Correction for Runs $=-2^{\circ}.9$ Adopted Zenith Point $=326^{\circ}.04'.06''.86$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Month	N	NAME OF STAR			M	icrosc	opes.	-		Micrometer or Time by	Correction for Microm.			luded	Jo
and	No. A.S.C.	or	13	A	В	C	D	E	F	Molyneux.	or Time.			ircle.	Initials of
Day.		PLANET.	,	,	"	"		N	,,	r. h. m. s.		0	,	,	90
7 April	1604	θ Centauri	26	15.0	15.5	22.6	3.0	11.9	52.8		(1)	324	26	10.16	T.N
, April	2741	Fomalhaut	31	05.	4.7	13.8	57.2	6.5	46.8		19:010	2000		02.32	100000
		Q's center			31.0									24.61	T.N
		ğ's center	55	59.4	72.6	61.7	68.0	71.3	61.9	1000		2	56	05.72	T.N
8 April		(a) ① N.L. M			64.1						-34.65			22.83	
	can	⊙ S.L			37.0		1				Manage.			28.63	
	673 699	α Leporis α Columbæ			9.1						13366			09.48 8.51	
	712	μ¹ Columbæ			29.6						PARTIE PAR	B 46 4 44		29.93	
	732	β Columbæ			7.0						A LUIS			03.07	
	807	Canopus M. R			25.4						+3.47			28.27	
	807 838	Canopus Sirius M.R			55.0						+44 35	100000000000000000000000000000000000000		45.68	
	838	Sirius			50.6						799.07			52.01	
	869	ε Canis Maj. M.R.			42.5						+2.09			34.80	
	869	ε Canis Majoris			39.5						10000			39.16	
	1000	B Octantis SP			39.4									28.19	
ATT INTE	1003	γ ² Argus M.R γ ² Argus			32.5						-2.83			36.35	
SHEET ST	1003	A Octantis			37.5									31.94	- m
1000 100		24 N. L			3 24.0							19	07	04.26	T.N
		8 N.L			5 20.5									59.66	
	1114 1152	λ Argus			31.7							1000		28.79	
	1102	θ Ursæ Majoris C Octantis SP			58.7					9 59 30	-0.43			42.25	
	1219	λ Ursæ Majoris			57.8									31.05	
	1230	μ Ursæ Majoris			1 54.4									28.51	
	1050	τ Octantis SP								11 00 16		1000		54.57	100
	1370 1378	χ Ursæ Majoris β Hydræ et Crat			0 55.9						100000			17.28 51.41	-
Marine	27	β Hydri SP								12 17 29	Alberta.	Sec. 100.00		50.80	
	1492	12 Canum Ven			5 24.5						The second second	1000000		56.70	T.N
		Companion M								20.508	-14.4			42.26	
	1527 1542	Centauri			4 3.9 5 21.0									00.35	
		d Centauri (b) ζ Virginis	1000		246.9	1000000	1		100000					41.41	Service Co.
	1562	i Centauri			3 2.6							327	46	59.18	T.N
	19/33	(b) ‡			35.0						-0.26	359	44	29.76	T.N
9 April	2741	Fomalhaut										329	30	02.63	T.N
Heli	27	β Hydri			5 55.4							281	50	51.99	T.N
	MIT,	φ's center δ's center			251.0									44.01	
		The state of the s			7 51 .9			1						45.34	
10 April	1111	⊙ S.L. M			9 54.0						-1 42.0			04.57	
	699	⊙ N.L			5 12.9						130300			58.60	
	734	a Orionis M.R			8 36.						+4.18			37.74	
	734	α Orionis	21	27.	0 45.5	36.8	34.4	49.0	26.2			7	21	36.15	T.N
	807	Canopus	100000		0 52.9	100000000000000000000000000000000000000		B 200 100 100						46.68	
	838 869	Sirius	10000		$\frac{3}{52.8}$									51.08	Color Inc.
	009	& Canis Majoris			4 8.						1 1 1 1 1			39.08	
	10	8 S.L			5 54.0						1 100 1 1 1			33.13	1000
	11114	(b) λ Argus	13	37.	531.0	42.6	16.1	30.1	10.0		+1.00	317	13	28.55	T.N

 ⁽a) Very bad images.
 (b) Observed at the 5th Wire.

CALCULATION OF GEOCENTRIC SOUTH POLAR DISTANCES.

Sec. of appa-		rent	Zenith	Barom.		rmome	eter.	D.C. II	D		Microm. for	5	Semi	-	Geor	.S.	P. D. of		NAME OF STA
rent Zenith Point.	D	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Para	llax.	opposite Limb.		amet			Cent		No.	or w
		1	"	Inch.	0	0		, ,	,	,	r	,	"		0	,	"		PLANET
	-1	37	55.46	.140	65.0	59.4		1.64						-1	54	25	58.41	1604	θ Centauri.
	3	26	55.46	30.168	65.0	63.0		3.44									55.65	2741	Fomalhaut.
1000	35	42	17.75	30.186	67.0	67.2	60.0	40.70		2.95					91	46	52.25	4	9
	36	51	58.86	30.185	67.0	67.2	60.0	42.46		3.85					92	56	34.22		Å
-				30.182	67.0	67.1	59.0			5.64		15	58.	90	97	12	58.20		0
		_	21.77					49.00		5.58		10	00.	.00	97	13	00.74	300	0
Della :			02.62	1 7 7 7 7		63.6									72	03	15.71	673	
			58 35			63.5				133					55	49	58.17	699	a Columbae.
			23.07			63.4					0.000				75	06	39.51	712	μ¹Columbæ.
	-1	54	03.79	10000000		63.0		1.89		1					04	09	51.07	732	
6.98	-10	40	21.41 21.18	.100	00.0	61.6	30.7	19.35							37	02	15.99 16.22	807	
and a	17	An	46.81	188	66 0	61.0	55 B								73	30	01.47	807 838	m = 1
6.03			45.15	.100	00.0	01.0	00.0	17.91									59.81	838	
	5		32.06	.188	66.0	61.0	55.5										34.00	869	
6.98			32.30	1100				5.19									34.24	869	
			42.67	.213	65.5	60.0	56.0	1 26.62		100							12.54	000	B Octantis SI
7.67	-12	55	29.49	.215	65.5	60.0	55.0	13.20	-30								14.06	1003	y2 Argus R.
7.07	-12	55	27.88		1				1								15.67	1003	γ Argus.
		-	34.92			59.8		1 20.28		all.	22000						01.55		A Octantis.
			57.40			59.5		1 16.41			21.052						50.98		4
			52.80			59.4		1 20.02		6.86	20.383		4.	.70	110	23	58.01		8
			38.07			59.4		8.95	-						47	13	09.73		λ Argus.
			24.90	17000000		59.3 59.4		1 36.54	-		0 1				9	10	04.40	1152	θ Ursæ Majori C Octantis SI
	77	25	24.61 24.19			59.0		4 15.89			1						04.40 36.83	1010	
200			21.65			59.0		3 50.06							132		8.46		
			12.29			58.6		1 30.92			1.00						46.46	1200	7 Octantis SP
9000			10.42			58.0		6 53.22			100				138		0.39	1370	
	0	55	44.55	.243	65.0	58.0		0.94		. (1)					56	59	42.24	1378	B Hydræ et C
233	-67	51	16.06			58.0		2 20.97	. 9 1		1.0000						40.25		β Hydri SP.
	73		49.84	.241	65.0	58.0		3 7.53	10	0.00	1						54.12	1492	
10.00	73		35.40	200				3 7.49			B. CHILLY						39.64		Companion.
			06.51			58.4		1.93	110								48.31		
The Late			46.81 34.55			58.5 58.6		4.67 39.13		4.56	40000						05.27 10.43		
HILL			52.32	100000000000000000000000000000000000000		59.0		1.73		10000							50.80		
				30.235				38.41		2.14	1911				89	44	55.92	1002	*
-				30.281			61 0	1 1 1 1 1 1 1 1 1 1	1						1 1 1 1 1			2741	Fomalhaut.
			14.87	200	aw a	71.5	1000	54.79		111	1010	1					47.09	27	ATT A COD
			37.15	.260	67.0	73.2	63.0	41.83		3.02	OTO						12.71	~ 1	Prijan St.
				30.260						3.99							16.11		ž
	41	36	57.26	30.246	67.0	73.7	63.2	49.78		5.66	1		-		97	57	36.43	1	0
- 11/14			51.29		1		100	50.72		5.72		15	58.	.30			34.74		Õ
			58.22	.191	68.5	69.0	120	0.23			B. H. A.				55	49	58.30	699	The second
6.95			29.57	.191	68.5	68.9	61.0	49.57		3171	15 15 15						15.89	734	
10000	41		28 84		1			38.7900	- 11	Par III	1000	31		1			15.16	734	a Orionis.
			20.63			68.8		100000000000000000000000000000000000000			Marie S						17.03		Canopus.
			43.77			68.4								1			58.26	200000	
			31.77			68.4		5.12		1 20	10 000		12	27	109		33.64 58.34	869	
			25.82					1 18.32			19.289 19.920						38.80		¥ \$
			38.76		00.0	00.0	00.2	1 10.02		0.10	10.020		- P.	. 04	ALU	24	00.00		0

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.150$ One revolution $=40^{\circ}335$ Correction for Runs $=-2^{\circ}.9$ Adopted Zenith Point $=326^{\circ}.04'.06^{\circ}.86$ to April 10° h. From April 10° h, $=326^{\circ}.04'.07''.31$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Month		NAME OF STAR			M	licrosc	opes.			Micrometer		Con	cluded	Jo
and	No.	or or		A	В	c	D	E	F	or Time by Molyneux.	for Microm.		ading Circle.	Initials of
Day.	A.S.C.	PLANET.	1			1	1	-					onere.	in .
			,		11	11		"	"	7. h. m. s.	' "	0	" "	-
10 April	1152	θ Ursæ Majoris	12	21 (14.5	5.0	14 5	29.4	4.4			50 1	46 00	T
y to Apin	1102	C Octantis SP					10000	E COLORES	10000	9 58 34			3 46.29 3 39.47	T.1
	1219	λ Ursæ Majoris						17.8				43 39	35.51	T.
	1230	μ Ursæ Majoris						14.2		Contraction of			5 29.73	T.1
		7 Octantis SP. M.	23	42.0	38.4	1 56.4	49.0	56.0	55.5	{11 00 00	+21 34	268 2	3 50.55	T.1
	1319	β Hydræ et Crat						35.8				338 03	3 31.41	T.1
	1370	χ Ursæ Majoris						59.0			100		4 18.94	T.1
	1378	β Hydræ et Crat						55.3					9 51.61	T.1
	27	β Hydri SP								12 17 29			2 45.49	
	1492	12 Canum Ven	8	39.0	5 27 .9	9 15.7	30.4	42.4	19.2			2000	8 58.82	T.1
	1505	Companion M	1	00	0 000	1:00	100		40 0	20.490	-13.71		8 45.11	T.1
	1527	Centauri						4.9					8 59.50	T.I
	1542 1550	d Centauri ζ Virginis						23.2					6 19.07	T.I
	1562	i Centauri	1000					43.0					3 40.80	
	1002	* Centaun						63.0	25 20 10	1			58.33 9 38.29	T.
	2398	a Pavonis M.R						25.8			-6.61		2 31.80	
	2398	α Pavonis						56.1			-0.01		5 45.46	
	2741	Fomalhaut						7.8				329 3	1 02.10	T.
11 April	699	α Columbæ	50	12.	4 13.3	3 20.4	100.6	12.3	48.9		1100	325 5	0 7.77	T.1
	734	(a) a Orionis M.R						58.0			+25.41	200000	6 38.53	10000
	734	a Orionis						44.2				100000000000000000000000000000000000000	1 36.12	-
	915	η Canis Maj. M.R.						46.6			+26.78	141 0	7 39.34	
	915	η Canis Majoris	0	38.	635.	0 43.0	26.1	38.0	19.5		199	331 0	0 33.92	T.
	1527	Centauri M.R	59	27.	031.	1 9.0	47.0	3.5	36.5	20.475	-13.10		9 11.96	
	1527	Centauri						6.2				324 0	9 00.49	T.
	1542	d Centauri						23.4			MAN DE	321 2	6 18.51	T.
	1550	z Virginis						45.4			1		3 42.17	T.
	1562	i Centauri						3.4			1000		6 58.02	
	1000	‡						3.4					6 58.62	
	1623	λ Bootis						35.4					4 52.90	
. 10 4 7	1,100	z Octantis	100			1000		100000	10000	14 20 20	+1.40	1000000	3 47.53	8 200
4 13 April	1492	12 Canum Ven	8	38.	0 27.	8 11.0	33.4	38.8	21.0			100000000000000000000000000000000000000	8 57.95	
	1492	Companion M	100					111 0		20.508	977777	3000000000	8 43.55	10 Dec 200
	1527	d Centauri MR						11.0			+34.57		9 12.05	
	1550	Z Virginis						23.9 45.9					6 18.59	
	1000	(b) *	21					46.0			12000	B COLUMN TO SERVICE	341.83 142.79	
	1604							57.2			130 65		2 03.78	
	1604							14.2			+09.00		6 08.86	
	1623	λ Bootis						22.7			No. of the last		4 42.37	
	2741	Fomalhaut						16.3				1 - 1 - 1	1 04.15	
	27	β Hydri						22.0					1 52.25	T.
	-	ç's center						45.6			1	4 4	3 41.88	T.
2 14 April		⊙ N.L. M	42	54.	0 78.	2 57.	73.4	75.0	61.8	24.148	-2 41.22	9 4	0 25.38	T.
	1	⊙ S.L						43.7				9 0	8 35.30	T.
		(c) a Columbæ						20.7			+1.67	325 5	0 10.18	T.
	734	a Orionis M.R						9.1			+1 25.87			
	734	a Orionis	21	-				44.5					1 35.86	
	1066	¿ Cancri M.R						42.2			+2 49.04			
	1066	ô Cancri						13.9			100000		3 55.25	
	1	24 N. L						41.7					4 22.78	
The Royal Street, Stre	1	8 N.L	14/	0.	001.	024.1	131.	48.6	110.0			19 4	7 29.75	11.

Molyneux fast, April 13th, 201.-14th, 181.5

 ⁽a) The Quicksilver disturbed by flies, a frequent cause othe loss of Reflection Observations at this season.
 (b) Juno will not allow of any illumination; the observation is therefore uncertain.
 (c) Observed beyond the 5th Wire.

ec. of	Appa	rent	Zenith			ermome	eter.					Microm.	Q	emi-	Georg	SI	P. D. of		NAME OF STA
rent Zenith Point.		istai		Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Para	llax.	opposite Limb.	dia	meter.		Cent		No. ASC	or PLANET.
"	0	,		Inch.	0	0	0	,	,	,	"	r	,		0	,	"		* MATTER
	86	09	38.98	30.175	67.0	65.6												1152	θ Ursæ Majoris.
	-59	15	27.84	30.175	66.0	65.0	3		35.32								06.41		C Octantis SP
			28.20			65.0			12.35			2.00 6			133	43	37.30	1219	λ Ursæ Majoris
16.50			22.42	.171	66.0	65.0	58.5	10				0.000			132		6.07	1230	μ Ursæ Majoris
			16.76			66.2		1	29.39			9.19.6					49.40		7 Octantis SP.
			24.10			66.2		0	12.05			2.27					33.90		
1			11.63	.159	66.6	61.8	57.0	0	48.87								57.25		
			44.30 21.82	.157	65.0	61.8	57.0	0	0.93 19.66			0.400			0.00		41.98	100000	
100			51.51			61.2		3	5.68								44.73		12 Canum Ven
			37.80	.147	05.6	61.5		3	000000000000000000000000000000000000000			9 11 13					40.19		Companion.
			07.81	143	65 (61.2		-	1.92			3					47.02	No. of the last	
			48.24			61.2			4.63						100000		03.88		
			33.49			61.2		1	38.83						3.0		09.07	31000000	
			51.02			61.2			1.71										i Centauri.
			30.98			61.2			38.48		2.15				90		4.06		*
0 00	-23	18	24.49 21.85			61.0			24.61			6000			32	45	07.65	2398	a Pavonis R.
8.63	-23	18	21.85												32	45	10.29	2398	
	3	26	54.79	30.097	66.0	70.0			3.39						59	30	54.93	2741	Fomalhaut.
-	-0	13	59.54	30.010	68.0	73.2	62.5		0.23	1					55	49	56.98	699	
7 22			28.78			1		-	48.88								14.41	734	
7.33	-61	17	28.81						10.00	0.13			21		32		14.44		
6.63	4	56	27.97	29.998	68.0	67.8	61.0		4.86	118			100		61		29.58		
0.00	44.		26.61		-										61		28.22		
6.23				29.916	67.0	068.8			1.88	1,01			21		54		50.22		
0	-1		06.82	20 010	0= 1	200			4.54						1000		48.05		
				29.916					38.02	1							03.41		
	04	49	50.71	29.916 29.915	67 (0.800	54.6		1.69						57	46	49.15	1560	i Centauri.
	24	00	51 31	29.913	67 (003.0	54.6	,	38.23		2.16				90		24.13		*
	80	40	45.59	29.911	67	061.8	34.0	5	31.63		2.10						13.97		λ Bootis.
	-53	30	19.78	29.911	67 (061.8		1	16.53								20.44		z Octantis.
	1000					SECTION STATE			7.20	12					1300		54.59	The same	
			36.24	30.158	65.0	0 57.5)	3	7.16			1 300							12 Canum Ver Companion.
			04.74	100	OF I	0 50 5	,	0	1.93								49.08		
			48.72	1 1000		058.3			4.67			1			51		03.36		
	34		34.52			0 58.3			39.05			1					10.32		
	34	2000	35.48	1 1111111111111111111111111111111111111		0 58.5			39.26		2.17		1		90				*
-	1		56.47			0 57 .4		1			~	1	1						θ Centauri R.
6.32	-1	37	58.45	1.100	100.			1.5	1.64						54	25	56.66	1604	θ Centauri.
			35.06		65.	0 56.7	7	5	37.75				1				9.56		
	3	26	56.84	1707000	00000	0 66.3		2	3.41			1					57.00		
			15.06			5 68 .8		1	54.76								46.93		β Hydri.
	38	39	34.57	30.107	67.	8 70.5	2 63.8	8	44.92	1	3.14		1		1 70		13.10		\$
				30.085	68.	072.0	0 64.6	6	53.25 52.30		5.87		15	57.2		25			0
			27.99 57.13		60	0 68 .8	2		02.00	1	5.81		100				59.39		
	43			30.010				0	1000000								15.65		
6.79			28.55		00.	000.	00.1	1	49.31				1				14.61		
1	59			29.956	67	0.63	0			100			-				59.26		
7.12			47.94		0	00.	1	1	14.18						-		58.87		
				29.95	5 66.	0 62	8 61.	0 1	15.11	1	1.36	21.084	1	18.8			7.15		24
				29.95								20.408		5.1	8 109	48	24.56	31	8

Coincidence of Micrometer Wire with fixed Wire, =20°,150 to April 13th at noon. From April 13th at noon, =20°,151

One revolution =40".335

Correction for Runs =-2".9

Adopted Zenith Point =326°. 04'. 07".31

Assumed Co-latitude =56°. 03', 56".75

25.00		VIII OR CELE		M	icrosco	pes.				ometer	Correction	on	Con	cluded	Jo.
Month	No. A.S.C.	NAME OF STAR	A	В	С	D	Е	F		me by	for Micro			ding Circle.	Initials of
Day.		PLANET.	, ,	"	,	,	,	"		r. 9. J.	, ,			, ,	AG
14 April		D N.L	27 50.1	32.5	2.8	09.2	31.0	56.5					22 28	3 10.04	T.N
distribution of	1171	o Leonis	36 49.2											00.82	1 mm
	1197	π Leonis	48 24.8											36.14	
	1219	λ Ursæ Majoris μ Ursæ Majoris	39 23.7 15 13.0			-								39.82 30.95	1000 -
	1200	7 Octantis SP	24 08.8							2 50	0.	35 2		3 50.07	100 m
	1370	χ Ursæ Majoris			37.5									28.37	1000 00
197123	1378	β Hydræ et Crat	59 58.3								-335	- 0		50.49	1000 to 1
	1400	β Hydri SP	12 59.9						12 1	7 21	13377	100		43.94	FEET 100
	1492	12 Canum Ven Companion M	8 40.2	29.6	04.9	44.0	33.8	32.7	9	0.496	_12			00.49	AND IN
	1527	Centauri	9 06.5	00.5	23.8	40.0	13.6	32.0		0.490	-10.	- 100		59.02	FFR 16
	1542	d Centauri M.R	41 45.9	28.4	24.5	46.5	7.1	51.2	19	9.602	22.			55.68	T.N
	1542	d Centauri	26 26.0									3		19.14	
	1550 1562	¿Contonni	13 35.1											42.23	100
100	1002	i Centauri	47 02.8 28 46.2									3		57.80	A
					0.90	20000			(1	9.370	-0.	15	00 20	01.70	
1111	1000	z Octantis M.R	34 18.0		1000000	00000000	200000	1000000	114	15 10	31.	50	99 34	26.56	
	1040	z Octantis	33 60.2						14 10	6 23	The same of			49.06	
	1646	γ Bootis	57 61.1	50.0	26.0	3.0	54.6	52.9			SHY		38 58	20.94	
, 15 April	699 734	α Columbæ α Orionis	50 15.8 21 22.5								4	3		08.47	Denn m.
18 April	732	β Columbæ	10 10.1	06.4	27.6	45.1	16.2	35.2			1000	3	24 10	3.42	T.N
	807	(a) Canopus M. R	44 27.2							9.781	+14.			26.01	T.N
	807	Canopus	23 58.6											47.61	T.N
	838 838	Sirius M.R	38 22.9						19	9.916	+9.			19.23	
	869	Sirius	29 52.9 53 32.1						10	9.930	48			50.93	- m
	869	ε Canis Majoris	14 45.8						1.	,,500	70.			39.61	100 m
1973	883	d Canis Majoris	51 37.8	36.0	48.6	26.3	43.4	15.0			1 116	3	33 51	34.37	
011 00	903	π Argus	11 40.0							309				30.63	
	915	η Canis Majoris B Octantis SP	0 38.5 34 46.1	34.1	49.2	19.7	43.6	12.7	7 4					32.92	T.N T.N
4.1	2398	a Pavonis SP	35 64.4											28.01	FRE 76. 1
		A Octantis	38 45.0							200		100		30.77	FRV 70.4
	2463	β Indi SP	17 49.4											23.96	
48,000	1170	\$ S.L	20 39.8	20.8	54.6	8.00	19.2	46.2		1000				00.14	
7010	1152	θ Ursæ Majoris C Octantis SP	48 57.5						0 50	20				28.93 41.53	
	1219	λ Ursæ Majoris	39 12.0											29.87	T.M
	1230	μ Ursæ Majoris	15 02.0							040				22.40	The same of the same of
	2700	β Octantis SP	15 64.2	54.8	80.0	04.3	78.2	12.2			1 128	2	62 15	48.87	T.M
		(b) 7 Tucanæ SP	21 42.4	09.9	42.1	40.0	37.0	01.4	11 08	3 51	-0.			19.12	
	1370 1378	χ Ursæ Majoris β Hydræ et Crat	33 62.1 59 55.0	56 4	10 2	36.6	04.9	24.0	11 37	46				16.21	T.M
1000	1415	η Virginis	13 35.7	51.1	34 3	50.0	44 1	41 9	11 4	90		0		51.20 42.36	1
		D N. L	2 55.0	69.0	53.2	72.3	62.4	61.8				1		01.99	1 mm m a
	1465	γ Virginis	25 57.7	74.7	56.4	73.7	67.3	62.1				3	59 25	05.31	T.M
		(c) & Virginis	16 06.8							0.000	- 0.00	10		17.99	
	1527 1527	Centauri M.R	58 45.0 9 02.6						15	.229	+37.			12.93 58.67	T.M T.M
	1550		13 35.0	00.0	~ · · 1	EN . U	0.00	40.00				0		42.37	

Molyneux fast, April 18th, 16s.

⁽a) The Circle was not clamped before the Reflected Observation, the Microscopes were carefully read off, the Circle being free, and it does not seem to have moved when the Micrometer of the eyepiece was worked.

⁽b) Observed at the 2^{ad} Wire, having passed the Meridian. (c) Observed at the 5^{th} Wire.

sec. of appa-		nt Zenish		The	rmome	eter.						Microm.		0				D F		
rent Zenith Point.	Dist	ance.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fractio	n. I	Paral	lax.	opposite Limb.			mi- neter.		Cent	P. D. of er.	No. ASC	NAME OF STA
"	0 1		Inch.	V o			-	,,	-	,	"	r	-		П	0	,	//		PLANET.
	FC 01	00.72	29.951	66 0	62 0		1	05.0	4 4	5 0	7 01				0.10		00	20.10		
			29.947				1	25.0 55.7		10 0	1.21		14	4	8.18			29.13	1121	D o Leonis.
	49 44	28.83	29.945	66.0	62.3	60 5		52.3										46.01 17.96		
			29.943			00.0		11.8										41.07		
			29.943					46.4										6.80		
			29.941			60.0		29.4										49.92	1200	7 Octantis SP
			29.941					45.7										3.59	1370	x Ursæ Majori
	0 55	43.18	29.941	65.5	62.1			0.9	-									40.84		
	-67 51	23.37	29.958	65.5	60.0	59.0	2	19.1	0				6			-11	49	45.72	27	B Hydri SP.
			29.953	66.0	60.5		3	4.8	3							129	11	54 76	1492	12 Canum Ver
		39.27					3											40.82		Companion.
			29.952					1.9	1									46.55		
7.41			29.950	66.0	60.6			4.6	1											d Centauri R.
		48.17	20 050	00 0	00 0				831											d Centauri.
			29.950			59.5		38.6												ζ Virginis.
			29.950 29.950					1.6			2.17							48.90 17.86	1562	and the second s
								00.0	9	1	2.17					1				‡
	-53 30	19.25	29.957	65.0	60.0		1	16.9	0							2	32	20.60		z Octantis R.
7.81	-53 30	18.25			Land.											2	32	21.60		z Octantis.
	72 54	13.63	29.957	64.5	59.3		3	3.3	3							129	1	13.71	1646	γ Bootis.
	-0 13	58.84	30.005	66.5	64.0			0.2	3							55	49	57.68	699	a Columbæ.
	41 17	26.49	30.005	66.5	64.0	61.0		49.7	3							97	22	12.97	734	α Orionis.
			30.328	65.2	62.3	55.5		1.9	1							54	09	51.76	732	β Columbæ,
		19.51						19.4	0									17.82	807	
0.01		19.89	.331	65.0	61.0	55.0		10.4	-									17.44	807	
5.08		47.27	.334	65.0	60.5	55.0		18.1	1				10					02.13	838	
		44.43 32.87	240	65.0	co o	EA 0												59.29	838	
6.62		33.11	.040	05.0	00.0	04.0		5.2	4									34.86		ε Canis Maj.
		27.87	345	65.0	59 0			7.9	2							1 7 7		35,10 20.95	809	ε Canis Majori δ Canis Majori
		35.87	.350	65.0	58 5			2.9										17.97		# Argus.
-		26.42	.352	65.0	58.0	53.5		5.0										28.18		η Canis Majori
-		38.49		64.5				27.5										09.24	010	B Octantis SI
		26.00		64.0		14 14	18	39.10										10000	2398	
		35.73		64.0		100	1	21.0	8							1	36	59.94		A Octantis.
1		42.54		64.0		53.0						3000							2463	β Indi SP.
		53.64		63.5				17.7	8	(5.24	19.941			4.24	109	22	08.17		8
		22.43		63.5		52.5		00 -	,								10	0==0	1152	θ Ursæ Majoris
		24.97		63.0		50 5	1	37.5	201									05.73	1010	C Octantis SP
		23.37 15.90		63.0		02.0	1000	18.3 52.2								133		4.89		λ Ursæ Majoris μ Ursæ Majoris
		17.63		63.0				57.7												β Octantis SP.
		47.38		62.5		53.2	-		1		100						10			y Tucanæ SP.
		9.71		63.0			6	56.8	9		· LE					138	41		1370	
	0 55	44.70		63.0				0.9	5		11/1	IN COLD .								B Hydræ et Cr
		35.86		63.0				39.5			1-3	15-15-1							1415	η Virginis.
-		55.49		63.0				40.7		1 59	9.93	Carlo II	15	1	7.30			15.77		D
		58.81		62.5				38.3				STATE OF								γ Virginis.
		11.49		62.5				45.8	2									54.06		d Virginis.
5.80	-1 55 -1 55		.367	62.5	56.0			1.9	5			100111								Centauri R.

Coincidence of Micrometer Wire with fixed Wire, =20^r.151 Correction for Runs =-2".9 Adopted Zenith Point =326°. 04'. 07".31 to April18th. From April 18th, =326°. 04'. 06".50 Assumed Co-latitude =56°. 03'. 56".75

Month	No.	NAME OF STAR	-		M	icrose	opes.	1			ometer ime by		rection		onch	uded	Initials of
and	A.S.C.	or		A	В	C	D	E	F		yneux.		Time.			rcle.	tial
Day.	A.D.C.	PLANET.	-			-	-	-			r.			-	- 27		国
	-		1	"	"	"	"	"	"	h.	m. s.	'	"	0	1	"	-
18 April		*						45.8								43.34	
	2303	θ Cygni						07.0								34.80	
	2398	B Octantis a Pavonis M.R						03.1			5 50		.6 10	1		45.73 29.17	T.A
		(a) a Pavonis									3 00		+6.10			46.11	T.I
	2463	β Indi M.R						14.5			2.157	-1	27.00				T.D
	2463	β Indi	57	15.1	08.3	39.4	28.8	25.7	25.9	20 4	12 16					14.11	T.I
	2741	Fomalhaut MR	100000					10.8			20.730		-23.35			8.90	T.I
	2/41	Fomainaut	31	5.9	8.9	24.0	53.0	17.0	39.3	22 4	18 51			329	31	5.22	T.I
19 April	9201	B Octantis SP. M.									20.730		-23.35				T.I
	2321	δ Cygni B Octantis						51.4			18 30			10000		17.49 47.76	T.I
	2398	α Pavonis M.R						25.8			18 30 10.560		-16.50				T.7
	2398	(c) α Pavonis						07.9			.0.000					46.80	T.1
20 April		⊙ S. L	14	47.0	23.6	57.0	11.4	18.7	55.1							35.03	T.I
		D S.L						33.2								31.30	
	1624	λ Virginis						35.0								30.68	T.1
	1681 2741	α ² Libræ Fomalhaut						03.6								00.01	T.1
	27	β Hydri						22.2				100				53.89	T.1
		ç's center						05.3								58.93	T.1
21 April	673	a Leporis	3	11.0	14.3	17.0	08.2	18.2	57.2					342	03	10.67	T.1
		(b) a Columbae	50					25.0						325	50	10.57	T.I
		(d) Canopus						06.6								47.75	T.I
	838 838	Sirius M.R	38					39.1 59.4			19.738	1	+16.66			53.22	T.I.
	869	ε Canis Maj. M.R.						21.1			20.465		-12.66	4		32.65	T.1
	869	ε Canis Majoris						52.5								40.53	T.1
		B Octantis SP	34								18 44	100				24.36	T.1
	990	ζ Argus	27					18.4								14.16	
	1070	a Pix. Naut 24 N.L						53.6								48.71 01.42	T.! T.!
	1114	λ Argus M.R						15.3			19.911		+9.68	100000		46.86	T.1
	1114	λ Argus	13					30.6						The second			
	1150	8 N.L						34.6				100		19	00	12.40	T.1
	1152	θ Ursæ Majoris	1000		1000		1000000	10.2	100000	100	EO 49			52	13	30.26	T.1
	1 3 1 9	C Oct. SP. M.R	1000		1000000			01.4		1	58 43 18.901		+50.42	205	19	35.51	T.1
		C Octantis SP	49	02.0	44.0	17.9	53.0	10.8	06.0	10	00 38		-0.43	266	48	41.50	T.1
	2651	a Tucanæ SP	13	51.8	24.9	53.8	48.7	52.8	08.3	10				241	13	29.71	T.1
	P. H.	(e) 7 Oct. SP. M.R	44	17.5	36.5	18.7	26.1	06.5	54.0		19.455		+28.08	203	44	24.25	T.1
		7 Octantis SP	24	06.1	55.5	19.1	8.3	15.3	16.9	11	02 20	1		268	23	49.83	T.1
		(g) χ Ursæ Majoris	34	11.6	54.1	42.9	57.5	07.2	48.7			1		48	34	36.56	T.1
	1378	β Hydræ et Crat	59	54.6	56.2	04.0	45.0	56.4	33.5							51.16	
	27	β Hydri SP B Octantis	28	54.9	41 8	15.7	50.9	08.7	00.9	20	17 27					45.42 38.23	
5 22 April		⊙ N.L. M	1000			1000	100000	59.6	18 7				15 21			33.58	
· repen	11111	⊙ S.L						51.0			.018	-1	10.01			43.41	
D 24 April		B Octantis SP	10000		10000		100000000	1000000	100000		19.50			1920		29.89	100
		2 S. L	55	05.5	50.0	19.9	29.0	46.3	13.0	1	10 00					27.23	10000
	1	(f) &'s center														01.58	

Molyneux fast, April 19th, 16s.—2

(a) The time of Transit set down is that over the middle Wire, inferred from its Transit at the 1st or 2st in the Mercury, and the 4th or 5th by direct vision.

(b) Seen indistinctly through clouds.

(c) Observed at the 5th Wire.

(d) Observed at the 4th Wire.

⁽e) When raising my head from Microscope D, I encountered the eye-end of the Telescope, namely, the Ghost-tube—not sharply.

(f) Bisected Mars because of the bad definition; the stars are crabby also.

(g) A probable Error of 2'. in reading of the Microscopes.

Sec. of appa-			Zanist		The	rmom	eter.					Microm.				C	0 1	n n		
rent Zenith Point.		ista	Zenith ace.	Barom.	Attach.	Out.	Wet. Bulb.	Ref	raction	Par	rallax.	opposite Limb.	d d	Selian	mi- neter.		Cent	P. D. of er.	No. ASC	OF PLANET.
"	0	,	"	Inch.	0	0	0	,	"	,	11.	r		,	"	0	,	"		PLANEI.
	34	52	36.84	30.363	62.5	56.3			40.50	;	2.19							11.96		*
			28.30	.308	62.0	54.5	50 0	8	1.7				1						2303	θ Cygni.
	02	-	20.77				50.0		24.88							1000	-	11.10 08.99	2398	B Octantis. a Pavonis R.
7.64	-23		20.39	.003	02.0	1	10.0		25.09	1			1					11.27	100000000000000000000000000000000000000	a Pavonis.
7.33	-25		54 04	.310	62.0	55.9	49.8		27.25									35.46		β Indi R.
1000	2		52.39	30.310	63.0	59.5	55 0						1					37.11 57.83		β Indi. Fomalhaut R.
7.06			58.72	30.310	00.0	00.0	00.0	1	3.48	3						10000	7	58 95	100000000000000000000000000000000000000	Fomalhaut.
				30.201					26.43				-			-0		8.05	2027	BOctantis SP
1111			10.99			59.0 59.0			36.40									44.20 14.44	2321	à Cygni. B Octantis.
0 05	02			30.085									1					09.25	2398	a Pavonis R.
8.05	-23		19.70						24.70				-			1000		12,35	2398	
				30.075		75.2		1	55.90		6.03				55.70 37.44			10.91 08.75		0
	100000		24.80 24.18			54.0			22.6		13.56		1	0	37.44	77		43.55	1624	D λ Virginis.
16.51	18	33	53.51	.113	61.0	52.8			19.5				1			74	38	09.79	1681	a 2 Libræ.
			57.97				62.5		3.49				1					58.14		Fomalhaut.
	42		12.61 52.43			69.0	63.2	10	55.1		3.34					100000000000000000000000000000000000000		48.97 36,65	27	β Hydri.
	15			30.071	66.5	71.0	63.4		16.0	5		March 1				1 2 2		16.97	673	
			55.93 18.75	070	ce e	70 0	00 5		0.2			1.53						00.59 19.02		
	17		48.06	.072	00.0	70.0	62.5		18.9									02.47		Carlotte Control of Carlotte
5.83			46.72	.076	66.2	69.3	63.0		17.6	5	-					73	30	01.13	838	Sirius.
6.59			33.85	.076	66.5	69.8	64.5		5.0	9						200		35.69		
	10000		34.03 42.14	078	66 9	65 8	61.2	1	25.2			1 331				61		35.87 10.68		ε Canis Majori Β Octantis SI
			52.34		00.	00.0		1	5.5							50	26	58 85	990	ζ Argus.
	10000		42.21			62.8			1.3		1 00	01 01			17 0			40.28	1070	
	0		54.92 40.36	1111	65 (61 6	59.8 59.6	1	15.3		1.33	21.04	2		17.9			47.71 07.50	1114	λ Argus R.
6.34	-8	50	40.68		00.	701.0	100.0	1	8.8	9						47	13			λ Argus.
	52 86		5.90 23.76			61.6	59.4	1	15.5	7	6.07	20.36	0		4.25	2 109	1	7 93		δ θ Ursæ Majori
			29.01		1286		57.0	,	36.1				1			-3	13	08.43		C Octantis S.I
8.51	-59	15	25.00	2000000		1000	57.0		30.1	1			1			-3	13	04.42		C Octantis SI
			36.79							-									2651	
7.04	186		17.75	1 200	1000		156.2	1	30.7	8		1						51.78		7 Octantis S.P
	-57		16.67 29.66		8000000	56.5		0	53.0			18.00				1000		50.70 19.42	100000000000000000000000000000000000000	τ Octantis SP.
	0	55	44.26	.105	63.0	55.5	54.5		0.9	- 9		1						41.96		β Hydr. et Cra
	-67	51		30.082	63.	58.0)	2	20.2	5		P	1					44.98 04.36		
	10.30			30.075	66 (67	64 0	100	59.1		6.15					102		21.35		0
			36.51	30.075	00.0	07.	04.2	1	58.0		6.10		1	5	55.10			20.35		ŏ
				30.215							O.S.	1300						06.70		B Octantis SI
			20.33	30.218	63.	5 58.3	3 56.5	1	16.0	3	5.90	19.28	8		17.4		56 39	49.19		\$

Coincidence of Micrometer Wire with fixed Wire, $=20^{\rm r}.151$ One revolution $=40^{\rm g}.335$ Correction for Runs $=-2^{\rm g}.9$ Adopted Zenith Point $=326^{\circ}.04'.06''.50$. From April $21^{\rm st}$, $11^{\rm h}$. S. T. $=326^{\circ}.04'.06''.90$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month	SEE!	NAME OF STAR	-			M	icros	sco	pes.					crometer		orrec		(onc			of er.
and	No. A.S.C.	or		Α	-	В	C		D	E		F		Time by		Mic r Tir			reac			Initials of Observer.
Day.		PLANET.	,	,	-	"	"		,		-	"	-	r. m. s.		,	"	0	,	,,		70
24 April	1159	θ Ursæ Majoris	13	07.	85	5.0	31	4	03.8	58	3 /	50.5			-			52	13	24	14	T.M
24 Hpm	1102	C Oct. SP. M.R			90		180		14.0				5	20.238		-:	3.51	205				1000
	43)	C Octantis SP	1230		2018		1000				900			58 48 00 40				266				1000
		(e) a Tucanæ SP	14	16.	0 4	7.8	18.	.8	11.8	16.	9	32.3	10	09 48		-	1.53	241				T.M
	2700								5.9 28.0					20.679		-2	1.30	268				T.M T.M
	1319	β Hydræ et Crat	3	32.	93	3.2	41	.0	26.0	38.	0	15.6	(1	1 00 17	1			338			.78	T.M
	1370 1378	χ Ursæ Majoris β Hydræ et Crat							57.2 35.7		-							326			.28	T.M T.M
	1527	Centauri M.R	58	54.	44	1.0	34	.8	56.5	19.	2	55.0		19.380		+3	1.10	147	59	14	.03	T.M
	1527 1550	ζ Virginis	1000		1000				37.5 50.0									324			.20	T.M T.M
	1000	Ť							75.0												.06	T.M
		h N.L. of Ball	14	41.	0 4	4.9	43.	.9	43.0	44.	2	33.5						346	14	41	.30	T.M
25 April		⊙ N.L. M ⊙ S. L							59.8 78.5					21.477		-5	3.48	13	26	59	.43	T.M T.M
		(a) § 's center	53	29.	8 6	9.2	40	.7	52.9	65.	0	36.8				-	0.80	17	53	47	.90	T.M
	673	a Leporis							09.2									342 325	03	11	.97	T.M
	699 734	α Columbæ α Orionis	100				1000		$\frac{54.0}{40.9}$.12	T.M T.M
26 April	807	Canopus M. R	44	22.	15	3.0	00	.3	09.2	40.	2	24.5		19.576		+2	3.19	164				T.M
	807	Canopus							20.0					10 -00				307	23	28	.25	T.M
		(b) Sirius M.R (c) Sirius							05.9 51.0					19.538		+2	4.72	128 343	29	42	.37	T.M
	869	(d) ε Canis Maj. M.R.	53	43.	83	8.4	26	.0	49.2	12.	6	12.8						140	53	34	.53	T.M
	928	(e) ε Canis Majoris σ Argus	100					-	27.2 20.0									331				T.M T.M
		B Octantis SP							45.9					48 10				269	34	30	.39	T.M
		 (a) γ² Argus M.R (e) γ²⁾ Argus 							66.5 26.0					19.100				158				T.M T.M
	1114	λ Argus M.R							33.2					19.465				154	54	48	.43	T.M
	1114	δ S.L							16.9									317				T.M
		C Octantis SP. R							39.1					58 54				205			.06	
	1000	C Octantis SP							01.2					5 16	1			266				1000
	2700	(c) μ Ursæ Majoris β Octantis SP							59.8 06.1							-	1.00	262				T.M
		7 Octantis SP												00 20								T.M
27 April		β Hydræ et Crat							43.5					15 04				326				T.M
	27 44	β Hydri SP β¹ Tucanæ SP							30.2					17 24	10			258			.85	T.M
	45	β Tucanæ SP. M.												19.542				243	58	30	.41	T.M
	1492	β ³ Tucanæ SP, M. 12 Canum Ven	8	40	3	8 1	19		29.2	45	6	18.0		13.735	+	4 1	8.79	39			.64	T.M
	1402	Companion M												20.517		-1	4.76	39				T.M
	1527 1527	(f) Centauri M.R							46.9 52.1					20.386		-	9.48	394			.32	T.M
		(b) d Centauri M.R							55.5					19.601		+2	2.18	150				T.M
	1542	(h) d Centauri	26	21.	25	21.0	28	.0	10.2	18.	3	58.4			1	+	3.50	321				T.M
	1579	(g) k Centauri preced							60.1 51.8					10.	-			1000000				T.M T.M
		THE SHEET AND		Mol	lyn	eux	fast	, ,	April	270	,	165.										
(a)		ved at the 4th Wire.						1		(2	Obs		d at one		rval	beyo	nd the	e 5th	Wi	re.	
(b) (c)		ved on the Meridian. ved at the 5th Wire.									(n)	Fair		servation.								

Sec. of appa-		rent	Zenith	Barom.		rmom	eter.					Microm.		Semi		Geor	S	P. D. of		NAME OF STAI
rent Zenith Point.	D	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Par	allax.	opposite Limb.		imet			Cent		No. ASC	or PLANET,
,	0	,	#	Inch.	0	0	0	1	"	,		r	1		"	0	,	"		
	86	9	17.24	30.220	62.0	56.0													1152	θ Ursæ Majoris.
	-59	15	19.66	.224	61.0	55.2	53.2	1	37.31							-3	13	00.22		C Octantis SP.
5.37			22.72	006	61 0	54 B	FO 0	0	34.95									03.28	0651	C Octantis. a Tucanæ SP.
			27.86 19.21			54.0			57.78							-28		6.06		
			13.48			53.0			31.89									48.62	2100	7 Octantis SP.
			23.88			52.5			12.39									33.02	1319	
			11.38	.226	61.5	52.2		6	58.11							138	41	6.24	1370	y Ursae Majoris
	0	55	44.58			52.2			0.95									42.28		β Hydr. et Crat
5.12	-1		7.13	.226	62.0	51.0	50.5		1.96									47.66		Centauri R.
			10.70	000	eo o	E1 0												44.09		Centauri.
	34		35.49 59.16	.220	02.0	31.0			39.68		2.21							11.92 35.46	1990	ζ Virginis.
				30.206	63.0	50.5	50 0		21.52			20.585		0	75			43.59		b
200	20	10	01.10	00.200	00.0	00.0	30.0		21.02		0.00	20.000		0	. 10		1.7	40.03		4
				30.153	64.2	62.2	59.5		02.03		6.25		15	54	40			50.66		0
			3.66	100	0= 0	00 -	20 2		00.90		6.19		10	04	.40	100		49.52		0
		-	41.00	.120	65.0	62.5	59.5	1	12.44		5.51							44.68	677	δ α Leporis.
			5.07	30.097					16.28									18.10	699	
			28.22	50.057	00.0	00.0	33.4		49.67		1.0							14.64		a Orionis.
		200	THE STATE OF									0.000								
7.77	-18	40	40.39	30.198	65.0	62.5	58.5		19.34		19736	Part (V)					-	57.02	807	
-	-10	TU.	00.00								E E						-	58.76	807	The second second
6.41			36.53 35.54	.200	05.0	01.0	37.5		17.98								-	51.26 50.27	838	Sirius R. Sirius.
			32.37	.200	65.0	61.4	57.8											34.31	869	
7.44			33.44	1000					5.19		10.24	A COLOR						35.38	869	ε Canis Majoris
	-9	2	26.71	.200					9.16		P. 33					47	01	20.88	928	σ Argus.
111	-56	29	36,51	.198				1	26.84									06.60		BOctantis SP.
8.04	-12	55	29.26	.198	63.0	58.6	54.5		13.23							43	08	14.26	1003	Y Argus R.
	-1 10	00	20.00	.216	64 0	57 2	52 E		The contract of											γ ² Argus. λ Argus R.
7.63			41.53	.210	04.0	01.0	00.0		9.00											λ Argus.
W.ST			34.16	.217	64.0	56.5		1	14.80		5.78	19.948		4	10	108	23	44.03	****	8
0	-		0101	.220			53.0		37.23		10000							04.52	1	C Octantis S.P.
6.55	-59	15	24.74		.							1-11-1						05.22		C Octantis SP.
	70	11	18.28	.220			50.0		51.70		7230					132	19	6.73	1230	μ Ursæ Majoris.
			18.35	.220 30.220					57.63 31.75									19.23	2700	β Octantis SP. - Octantis SP.
	-01	40	15.00	30.220	02.0	33.7			01.70		9.91					-1	01	40.00		, octantis ot .
	0	55	43.51	30.355					0.95											β Hydr. et Crat
			23.58	.358					22.43			8-11-11-						49.26		β Hydri SP.
	-82		1.05	.360	02.5	04.5			38.58			Eller T						42.88		β¹ Tucanæ SP. β² Tucanæ SP.
	-82 -82		36.49 42.26	la contract	100	100	1		38.30									18.04		β Tucanæ SP.
	73		52.75	.360	62.0	54.2		3	9.74		1111					129	11	59.24		12 Canum Ven.
	73		37.99	.500				3	9.70		0.18	L. W.			184	129	11	42.44		Companion.
5.94			7.42	.360	62.0	54.3	1		1.96		1.11	4010				54	08	47.37	1527	Centauri R.
0.94	-1		9.34						1.90		1119	100			- 1					Centauri.
8.87			51.28	.360	62.0	54.6	1		4.73		100				-			00.74		d Centauri R.
			47.34	200	60 0	54 5			-		0.01	30 6 6			11/1				1542	d Centauri.
			51.29	.360					42.17		2.21	TO SERVICE STREET				91	00	28.00	1550	k Centauri prec.

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.151$ One revolution =40''.335 Correction for Runs =-2''.9 Adopted Zenith Point $=326^{\circ}.04'.06''.90$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Month		NAME OF STAR	100			Mie	crosc	opes.				rometer	Corre		C	concl	luded	, of
Month	No.	NAME OF STAR	1	A	P		c	D	E	F		Time by	for Mi			read	ling rele.	Initials of Observer.
Day.	A.S.C.	PLANET.		1			-	D	E	1	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	01.1				icic.	niti Obse
2-1,-			,		-			"	"	"	h.	7. m. r.	,	"	0	,		-
27 April	1604	θ Centauri M.R	41	20	641	5	14.6	57	10.7	44 1		19.360		1 00	147	40	05.07	T.M
27 April	1604	θ Centauri							10.4			15.500	70	1.30			07.61	T.M
	1001											16 08					46.10	
	1681	α ^c Libræ M.R	100					10000	06.0		-	19.288	+3	4.81			11.96	200,000
	1681	a 2 Libræ	100					1000	03.3								01.97	T.N
		ь S.L	18	18.	7 20	.0	20.0	18.9	20.2	10.4			100		346	18	17.71	T.M
	2657	α Tucanæ							52.1				01119		298	56	48.28	100000
	2741	Fomalhaut MR							1 33.7			21.456	-6	52.64	1000000		8.05	100000
	2741	Fomalhaut							10.9						329		8.48	
	27	β Hydri										17 07		0	AUGUE.		00.25	
	44	(a) β¹ Tucanæ	9	40.	041	. "	43.2	18.	34.5	13.8			-	10.57	296	09	32.01	T.M
28 April		⊙ N.L. M							101.7			22.608	-1 :	39.02				
		⊙ S.L 8's center	57	12	2 61	.0	45 6	30.	75.9	0 6 (52.66	
	699	a Columbæ							9 13.0				1		1000000		11.51	
	807	Canopus M. R	10000		0000			100000	0 28.0			18.822	1	53 68	1000		27.46	The state of the s
	807	Canopus							1 52.					00.00			50.39	Service of
	838	Sirius M.R							5 21.0			19.570	+5	23.59			28.85	
	838	Sirius	29	56.	4 55	5.2	58.0	52.	2 58.	5 43.	1		1		343	29	53.79	T.M
	869	ε Canis Maj. M.R.							5 54.5			19.978	1	+7.29			32.25	
	869	ε Canis Majoris							9 44.						10000		42.32	GEO 100000
		A Octantis			- 200	200	100000					33 17					31.20	
	1 100	2 N. L							0 57.						1000		27.11	
	1150	8 N. L	100	-		200	1000000	5 BOTO 15	5 100.							07		
	1152	θ Ursæ Majoris C Octantis SP							5 74.			01 20	1	0 69			31.31	
	2651	(b) a Tucanæ SP										(?) 39	1	-0.00			37.67	
	2700	β Octantis SP										29 22			100000		45.66	
	1	7 Octantis SP										00 30			1000		49.39	-
	1370	χ Ursæ Majoris							8 125.						48	34	20.37	T.N
	1379	γ Ursæ Majoris							963.				100		54	17	21.60	
	27	β Hydri SP										17 28			10000000		42.00	
	44	β Tucanæ SP	- 1						481.	7 41.	1						01.54	
	45											19.478					28.77	
	1492	(c) β 3 Tucanæ SP. M. 12 Canum Ven		20	000		00	000	100	014		13.699	+4	20.33			21.86	
	1492	Companion M	0		100		1000	20.	8 108.	014.	*	20.521		14 9			59.48	
	1527	Centauri M.R	59		8 66			74	0 35.	9.56	5	21.032					16.88	
	1527	Centauri							061.			21.00.		00.40	0.00000		58.09	2008
	1550																42.93	
	1	*	58						8 65.								55.36	
	219											54 56	100		242	29	45.73	3 T.1
	1623			29.	.9 79	2.2	69.	5 7.	4 92.	2 58.	7				20000		44.53	
	12010	z Octantis										16 01	1				44.93	
	1646								0 130.			20 050					22.07	
	1681								645.			18.850	1 +	52.50			12.44	10000
	1681	a 2 Libræ							064.				1		344		2.39	
	2651	a Tucanæ MR							9 57. 8 50.			22.109	-1	18 6			30.27	
	2651	a Tucanæ							8 49.			22.10.	1	10.0.			49.18	100000
	2741	Fomalhaut M.R							8 17.			21.038	-	35.70			07.54	
	2741	Fomalhaut							2 70.								08.61	
	1	(d) ♀'s center							0 85.				100		100000		07.37	
			1					1		4 7	1				1			1000

⁽a) Observed at the 4th Wire.

(b) The upper edge of the spectrum of α Tucanæ is orange, and the lower white.

(c) Bad definition Northwards, but good to the South.

(d) Woolly.

ppa-	Appa	rent	Zenith			rmome	eter.			-		Microm.		Semi		Geor	S	P. D. of		NAME OF STA
enith		ista		Barom.	Attach.	Out.	Wet Bulb.	Refr	action.	Para	allax.	opposite Limb.	dia	amet	ter.		Cent		No.	or
		1.	п	Inch.	V o	0	-	,	"	,	,,	r	,	11		0	,			PLANET.
	-1	37	58 17	30.360	62.0	54.0	52.0		1 00							54	25	56.91	1604	θ Centauri R.
6.34	-1	37	59.29		The same of				1.67							54	25	55.79		θ Centauri.
			20.80	.360	61.0	63.6		1	15.67				100					20.28	1001	z Octantis.
6.97			54.96 55.07	359	61.0	63 4			19.29									10.98		a 2 Libræ R.
			10.81		61.0			1	21.19		0.33	19,712		8	.86			37.28	1001	ь
	-27		18.62		61.0				29.84				-			100.00		08.29	The state of the s	a Tucanæ.
8.27			58.85	.366	61.0	57.4	52.4		3.50									59.10	129800000	
	-44	27	1.58	374	69 0	60 6	54.8		56.15									01.83 53.95	2741	Fomalhaut. β Hydri.
				30.374	62.0	60.6	54.0		33.22									48.64	44	
				30.347	63.2	62.0	56.0	1 -	04.60		6.34		15	53	.60			30.68		0
			44.58 28.97	241	63.5	60 4			$03.41 \\ 18.65$		6.28 5.95		1	-		104	~ ~	32.06 38.42		0
	-0	13	56 57	300			55.5		0.23		5.95					-		59.95	699	Σ α Columbæ.
0 00	-18	40	19.38	.304			55.2		19.45									17.92		Canopus M.R
0.90	-10	TO	*****	1000	Service Services			100	19.40			1				37		19.61	807	
6.32			39.23 45.71	.304	63.0	60.0	2	1 3	18.11							1000		54.09 00.57	838	
	5		35.83	.303	63.0	59 0	55.0									73 61	-	37 80	10000	
7.37	5	10	34.24		00.0	0010	100,0	1	5.22							61		36.21	869	
			36.88		62.0				20.78									59.09		A Octantis.
	52		19.03 58.25	1 2 4 3	62.0				16.09			21.005					52	13.38		24
	86		23.23		62.0		53.6		14.11		0.00	20.370		4	1.38	108	,	59.05		δ θ Ursæ Major
			28.51		61.0				37.05	5						-3	13	08.81		C Octantis SI
			30.41				3 53.0		32.22							-	56		2651	
			22.42 18.69		61.0		53.0		57.19									22.86 53.25		β Octantis SF τ Octantis SP
	10000		12.29		61.0				54.37							138		3.41	1370	χ Ursæ Major
	88		13.52				3 53.0									1			1379	y Ursæ Majori
	-67		26.02		61.0				21.38			1000	-			100		50.65	1 000	
	-82		6.54		61.0	57.0	0		35.38							-26 -26		45.17	4	
	-82 -82		46.22						32.09							-26		21.49		B Tucanæ S
	73		51.37		61.0	57.	0	3	8.15	38						129				12 Canum Ve
	73		36.53					3	8.11	1						129		41.39		
7.47	-1	55 55			61.0	57.	0	1	1.94	1						54	08	46.01	1527	Centauri R.
			34.85		61.0	57	0	1	39.30	0						90	14	10.90	1550	Z Virginis.
	35	54	47.28	.25	661.			1	42.29		2.21					91	59	24.11		*
			22.35		3 61.				55.30			1				-27	38	20.96	219	a Hydri SP.
			36.45 23.15		061.				38.57			10.00						15.44		λ Bootis. z Octantis.
			13.99		961. 861.				5.96									16.70		
7.49	10		55.64		061.			1	19.48							74	38	11.84	1681	α ² Libræ R.
7.45	18		54.31															10.51		The state of the s
	20	15	28.46		561.			2	21.3	7	0.33	19.730	0	1	8.5	3 76	19	54.78 05.02	2651	β a Tucanæ R.
9.73	3 -27	7	22.19		1001.	0 58.	0 53.	9	29.5	4		The second	1					08.31		
	1 0		0.54		161.	0 58.	8 54.	0	2 4	0						1000		00.77		Fomalhaut R
8.08	3	3 27	0.53	3	Anna	1	1000		3.4							0.00		00.76	OF RESIDENCE AND ADDRESS.	17.28
	45	41	59.29	30.19	0.63.	0 63.	8 58.	0	58.40	0	3.5	5				101	46	50.89		\$

Coincidence of Micrometer Wire with fixed Wire, =20°.151 to April 28th at noon. From April 28th at noon, =20°.153. One revolution =40"335

Correction for Runs =-2".90

Adopted Zenith Point =326°. 04'. 06".90 to April 28th. From April 28th at noon, =326°. 04'. 08".08

Assumed Co-latitude =56°. 03'. 56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR		M	icrosco	pes.			Micrometer			luded	Jo:
and	No.	or	A	В	c	D	E	F	Molyneux.	for Microm. or Time.		ding lirele.	Initials of
Day.		PLANET.	, ,	"	"				r. h. m. s.	, ,	0	, ,	- I
29 April		⊙ S.L. M	11 05,3	41 7	09 7	15.0	50.2	01.7		.12 02	14 11	26 00	T.1
29 April		O N.L								+13.03		17.09	T.I
	699										325 50	13.26	
	734	a Orionis										35.92	T.1
		A Octantis							8 33 17		271 38		T.1
		2 N.L										9.42	T.I
		& N.L C Octantis SP							10 02 25	1 74	17 59 266 48	01.62	T.I
	1249	Ant. Pn. M.R	57 37.5						19.209	+38.08			T.
	1249	Ant. Pn	9 60.8								331 09		T.1
	2700	β Octantis SP	15 51.0								262 15		T.7
		7 Octantis SP							11 01 00		268 23		T.I
	1337	λ Hyd. et Crat. M.R.							18.691	+58.97			T.I
	1337	λ Hyd. et Crat	6 37.1								342 06		T.I
	1378 1395	β Hydræ et Crat δ Centauri M.R	59 52.6 56 49.1						19.841	+12.58	326 59		T.1 T.1
	1395	è Centauri	11 27.0						13.041		310 11		T.1
		(e) u Centauri R	16 30.8								150 16		T.1
	1433	u Centauri	51 50.7			500000000000000000000000000000000000000		2000000			321 51		T.I
	1527	Centauri M.R	59 40.0						20.808	-26.42	147 59	15.89	T.P
37 173	1527	¿ Centauri	8 62.7								324 08		T.N
	1550	ζ Virginis	13 35.6						00 000			43.42	T.M
	1004	(a) ‡	3 68.4						20.808 19.679	-26.42 +19.12		49.06	T.M
	1604	θ Centauri	25 73.2						19.079		324 26		T.N
	2741	Fomalhaut M.R	37 39.8						20.960	-28.52			T.A
	2741	Fomalhaut	30 72.2										T.A
	27	β Hydri	50 69.8						0 17 7		281 50		T.A
		ç's center	12 20.0	46.0	51.1	15.0	57.8	3.0			12 12	33.57	T.M
30 April		(c) ⊙ N.L. M	1 37.3						20.324	-6.90	15 01		T.M
		(d) Famalhaut M.P.	29 54.8						10 407	20 00	14 30	7.09	T.A
100	2741	(d) Fomalhaut M.R Fomalhaut	36 36.5						19.437	+28.88	329 31	3.52 9.56	T.M
113.00	2741	♀'s center	38 31.0								12 38		T.N
1 May	1300	⊙ S. L. M	48 40.8	03.8	13.85	28.05	29.71	19.7	20.924	-31.10	14 48	21.50	T.N
		⊙ N. L	19 54.2	79.6	87.2	12.01	03.03	31.7	100000000000000000000000000000000000000		15 20		T.N
100	807	Canopus	23 58.2	58.9	54.8	18.44	6.03	39.4			307 23		T.N
	838	Sirius M.R	38 22.6	39.0	54.9	50.05	56.13	31.7	20.203		128 38		
	838	Sirius	29 55.5						19.048		343 29		
357 7	869 869	ε Canis Maj. M.R. ε Canis Majoris	52 49.9 14 49.8						13.040	+44.57	331 14		Service and in
	003	A Octantis	38 31.9						8 34 20		271 38		
	1101	4 S. L	46 38.8								18 46		T.N
100	PART	& S.L	41 69.01	109.01	109.0	35.51	34.0 4	19.4	100	14 15 10	17 42	29.32	T.N
144	2071	C Octantis SP	48 47.8								266 48		T.N
113	2651	a Tucanae SP	13 41.8							The same of the	241 13		T.M
13 3	2670 2700	B Octantic SP.	52 58.8						A 16		245 52		T.M
	2100	β Octantis SP	15 50.68 23 55.96								262 15 268 23		T.M
	2774		20 65.93								239 20		T.M
	2849	y1 Octantis SP	56 83.08								262 57		
	2861	γ 2 Octantis SP	6 28.03	35.89	26.00	1.63	1.40	2.71	1 48 55	5	263 06	20.92	T.M
	10	γ 3 Octantis SP	9 43.75	1.84	11.61	7.34	6.81	8.61	2 03 00?	15	263 09	36.63	T.M

 ⁽a) Juno was, I suspect, bisected by the Micrometer Wire, which has been applied according to its distance from the fixed Wire.
 (b) There is a strong South wind to night at the Observatory. Yet the Ship's bows in Table Bay point towards Robben Island, indicating that it blows there in a contrary direction.

 ⁽c) Very woolly and diffused.
 (d) Direct Observation on the Meridian. Reflected at the 5th Wire; Star flittering.
 (e) Bisected by the fixed Wire.
 (f) The Star moves up and down about 10°. alternately.

Sec. of appa-	Apparent Zenith		The	rmome	eter.			Microm.	S	šemi-	Geor	8 1	P. D. of		NAME OF CRAP
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	dia	ameter.		Cent	er.	No. ASC	NAME OF STAR
,	0 / #	Inch.	0	0		1 11	, 11	r	,	"	0	,			PLANET.
	48 7 28.82	30,191	63.2	64.0	57.0	1 03.53	6.32				104	28	16.18		0
	48 39 9.01	00.101	00.2			1 04.72	6.37		15	53.40	104		10.71	000	0
	-0 13 54.82		63.5			0.23					55		1.70	699	α Columbæ,
	41 17 27.84		63.5		57.0								14.69	734	
	-54 25 38.19		62.0 62.0			1 20.13 1 15.50		20.980		16.68			58.43		A Octantis.
	52 46 1.34 51 54 53.54		62.0		56.0			20.360					53.77		¥ \$
	-59 15 30.28		61.0			1 36.46			0				9.99		C Octantis SP.
7.89	5 5 49.51	.172	61.5	59.1	3	5.13					61		51.39		
7.00	5 5 49.12	1-0	00 0								61		51.00		Ant. Pn.
	-63 48 24.48		$62.0 \\ 61.5$			1 56.44		111111			-7 -1		24.17 53,19	2700	β Octantis SP.
	-57 40 19.19 16 2 28.59		61.5								72		41.88	1337	
7.65	16 2 27.72		01.0			16.54					72		41.01		
	0 55 49 04		61.5			0.95					56	59	39.74	1378	β Hydræ et Cra
10 26	-15 52 48.76	.172	61.5	58.8		16.38		0.03(0)			40				d Centauri R.
10.20	-10 02 44.40	150	01 5	50 E		20.00					40	-			dentauri.
8.54	-4 12 24.16 -4 12 23.25	.172	61.5	38.3	61	4.24		De la			51		28.35 29.26		
	-1 55 7.81	.166	61.5	58.0					100		54		47.01		
6.77	-1 55 8.43				8	1.93					54		46.39		Centauri.
100	34 9 35.34		61.5			39.10					90	14	11.19	1550	ζ Virginis.
	35 59 40.98	7.000.00	62.0			41.86	2.21				92		17.38		*
7.22	-1 37 58.25	.161	62.0	58.3	55.2	1.64							56.86		
	-1 37 59.97 3 26 56.94	177	62.0	62. 8	56 1		1.03 6.63				59		55.14 57.13		
10.39	3 27 1.56	.111	02.0	0210	00.1	3.44			1			31	1.75		Fomalhaut.
	-44 13 8.11		63.4		59.2	55.27					11		53.37	27	β Hydri.
	46 8 25.49	30.180	63.5	67.8		58.83	3.58				102	13	17.49		9
	48 57 43.75	30.175	63.5	68.2	61.4				1.5	53.10	104	46	45.87		0
	48 25 59.01		00 -	01.0		1 03.68	6.34		10	33.10	104		46.20	1	0
6.54	3 27 4.56	.137	62.5	04.0		3.44						31	4.75	A Service Control of	Fomalhaut R.
	3 27 1.48 46 34 31.75	30 130	64.2			1 0.06	3.60					31	24.96	2741	Fomalhaut.
	40 54 01.70	00.100	0			1 0.00	0.00				102	00	24.30		
	48 44 13.49	30.120	64.5	73.3	62.9	1 3.63	6.37		15	52.90	105	5	00.40		0
	49 15 57.68			TO 0	-	1 4.82			13	32.90	105		59.91		0
	-18 40 17.06		64.5										20.81	807	
7.02	17 25 47.99 17 25 46.00	.090	04.5	13.0	02.5	17.55		1.19				30	2.29		Sirius R. Sirius.
	5 10 34.77	.096	64.5	72.4	61.8			0.078					36.59	869	
8.07	5 10 34.89	2.1				5.07			1				36.71	869	
	-54 25 38.38		64.5			1 19.49					1	36	58.88		A Octantis.
2 12	52 42 51.96		64.5			1 14.67		19.285					19.60	-	4
	51 38 21.31		64.5			1 11.79		19.962	-	3.85			28.17	100	d COstantia SD
	-59 15 31.09 -84 50 39.51	1 100000	64.0	E00001110		1 35.55 9 22.72		1	1		-28		9.89 5.48		C Octantis SP. α Tucanæ SP.
	-80 11 19.37		64.0			5 17.76							40.38		
	-63 48 25.01	1000000	64.0	100000	1	1 55.28		1	-				23.54		
	-57 40 21.26	.100	63.0	60.9	56.0			1	-		100000		54.63		- Octantis SP.
	-86 43 15.09		63.0								100	700		2774	
	-63 6 53.28		63.0			1 52.45		1			-7		48.98		γ Octantis. SP
	-62 57 47.09 -62 54 31.38		63.0										42.09		
	-02 04 01.08	.101	05.0	109.4	1	1 51.64		1	1	321	-0	02	20.27	10	γ 3 Octantis SI

Coincidence of Micrometer Wire with fixed Wire, =20°.153 One revolution =40".335 Correction for Runs =-2".9 Adopted Zenith Point =326°.04'.08".08 to May 1st. From May 1st noon, =326°.04'.08".01 Assumed Co-latitude =56°.03'.56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month	100	NAME OF STAR			M	icrosco	opes.	-		Micrometer	Correction			aded	s of
and	No. A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux,	for Microm. or Time.		readi f Cir		Initials of Observer.
Day.	A.S.C.	PLANET.	-	,,	,	-	"	"	"	r.	, ,	0		,	In
			-	-	-	-	-			h. m. s.			-		-
1 May	27	β Hydri SP. M	13	51.0	55.0	46.2	21.7	54.1	25.0	{12 17 27		258	12	40.18	T.M.
		o Octantis SP								1 21.690 12 19 30		269	17	33.48	T.M.
	46	12 Canum Ven				26.0				12 27 15	-2.27			17.96	T.M.
	1492					54.1				19.521	+25.50	No. of Contract of			T.M.
		(a) c Centauri M	8	37.5	35.0	43.4	24.3	33.1	14.8		+25.50				T.M.
17117	1550	ζ Virginis				52.4								48.08	T.M.
	1604	θ Centauri M.R	41	40.5	42.2	241.7	39.8	33.8	30.3	19.426	+29.32	147	42	7.12	T.M.
	1604					78.2						324		6.93	T.M.
	1623 1681					5 78.1 5 29.0					+14.12				T.M.
14700	1681		37	61.0	67.1	71.2	57.3	71.7	44.5			344		2.46	T.M.
	2741	Fomalhaut M.R				1 59.2 2 56.6					+6.17			50.45	T.M.
300	2741	Fomalhaut				81.6					10.11	329		9.32	T.M.
3 May	27	β Hydri SP				43.1						1000		39.38	T.M
	1542 1542					33.7				19.408	+29.95			59.96 15.59	T.M T.M
	1042					371.9						2	23	57.00	T.M
	3.500	* M								22.090					T.M
	1580 1580	h Centauri M.R h Ceutauri				9 33.0					+59.94			45.28	T.M T.M
	1604	θ Centauri M.R	41	46.	6 50.0	0 49.0	45.6	41.3	35.5	19.59	+22.50			7.02	T.M
	1604 1624	θ Centauri λ Virginis M.R				967 (+46.79	324		7.15	T.M T.M
	1624	λ Virginis	22	33.	8 32.	5 45.0	21.3	46.0	15.8	3		347	22	32.65	T.M
	1681					042.4 531.8								41.92	T.M T.M
	1681					0 74.0					-00.0	344		3.11	T.M
	1731	(b) b N.L	26	31.	0 29.0	0 41.5	18.4	41.9	11.4	01 150	10.2			28.82 58.37	T.M T.M
	1731	f Lupi M.R f Lupi									-40.5			17.29	
	1760	γ Lupi M.R	44	41.	0 48.	6 37.9	33.1	37.1	28.4	19.76	+15.4	1 1000000		52.83	T.M
	1760 1816	γ Lupi ρ Scorpii M.R									-19.20			24.63 14.33	
		(c) ρ Scorpii	15	67.	6 60.	0 73.0	51.1	65.9	46.1	1		331	16	1.22	T.M
	1872 1872	σ Scorpii M.R σ Scorpii									2 +7.1			5.14	
	1885	Antares M.R									-30.2			11.44	-
	1885	Antares	55	69.	0 63.	2 77.	1 57.6	70.5	49.0	0		333			100000000000000000000000000000000000000
	1915	ε Scorpii σ Octantis				0 54.0								38.87	
	2741	Fomalhaut MR	37	50.	0 54.	1 49.5	2 52.	42.0	140.8	8 21.16	0 -40.7			6.74	T.M
	2741	Fomalhaut	100			8 82.	3 3300	1 2 2 2 2			1 1 05 5	329		9.28	2000
4 4 May	1	(d) ⊙ N.L. M ⊙ S.L	100			1 73.3 5 64.3		0.000			1 -1 27.5			38.08	
	1	ŏ's center	59	25.	0 68.	0 68.	5 16.	794.0	3.5	2	V DEV	22	59	45.90	T.M
	699 734	a Columbæ a Orionis M.R				1 29.5					8 +46 0			13.95	
	734	α Orionis	21	26.	2 47.	8 56.	8 17.0	0 69 .	5 07 .3	3		7	21	37.30	T.M
	807	Canopus M. R				8 40.5 0 54.6					4 +6.7			26.09 50.96	
	307	Canopus	20	10000		Succession	4000	-		71		1007	20	30.30	14.10
		(a) Accident		bisect	ed by	fast, the Mi	-								
		(b) Beautiful (c) Beautiful		inition	1.										

Sec. of appa-		rent	Zenith			rmome	ter.			Microm.		Sen	ni-	Gene	. S. I	P. D. of		NAME OF STAI
rent Zenith Point.		ista		Barom.	Attach.	Out.	Wet. Bulb.	Refraction.	Parallax.	opposite Limb.	di		eter.		Cent		No. ASC	or PLANET.
	0	,	"	Inch.	0	0	0	, ,,	, ,,	r	,		"	0	,	"		I Daniel
	67	51	07 92	30.100	60 5	50 7		0 00 16						11	40	51.24	97	β Hydri SP.
								2 20.16									21	The same of the same
	-56 -82		34.53 50.05	30.100										-0 -26	44	5.32 22.43	46	o Octantis SP.
	73		55.36			58.0 59.0		6 29.13						129		58.46		
6.67			8.32	10.0000000		57.4								54	8	46.50	1527	Lentauri R.
0.07			11.01					1.93						54		43.81		
1911	34		40.07			57.0		39.09			1			90		15.91	1550	ζ Virginis.
70	36		59.37 59.11			57.0 57.5		42.10	2.2					92		36.01 56.00	1604	F Centauri R.
7.03	-1		1.08	.032	02.0	01.0		1.64						10 70 70		54.03	I HOUSE STOCK	
			53.87	.090	62.0	57.5	1111	5 36.80			1					27.42		
6.67			57.12	.090	62.0	57.2		19.34		0.11				74		13.21		
0.07	18		54.45	.090	62.0	55.5	53.3			00 000				1000		10.54	1681	
9.00	2	27	42.44	30.093	62 0	66 0		21.41	0.3	20.602			9.06		31	51.21	2741	Fomalhaut R.
8.18		27	1.31	30.093	00.0	00.2		3.41						0.5	31		2741	Fomalhaut,
				20 045	00 5	ET 0		0 01 20						-11	40	53.18	27	β Hydri SP.
			51.95	30.245		58.0		2 21.30		100				51		0.12		
7.78		-	52.42	1242	00.0	00.0		4.68						51	-	59.65		
	36	19	48.99	.242	63.0	58.8	58.0		2.20					92		25.95		* (?)
	110000		30.50	(200)		1000		42.38						92		9.63	1.500	*
7.34			38.62	.240	63.0	59.5		2.83						58		38.20		
			59.01	940	63 0	59.8			ROUTE	B. B.				54	-	56.10		
7.09	-1		0.86	.230	00.0	00.0		1.64								54.25		
6.41			27.84	.239	63.0	59.8		22.46						77		47.05		170000000000000000000000000000000000000
0.41			24.64	222										0.00		43.85		
	10		26.09					1 17.63						74		13.03		z Octantis. α ² Libræ R.
8.00			55.11 55.10	.229	63.0	60.0	59.0	19.33						74		11.18		
			20.81	.228	63.0	60.0	59.0	21.37	0.3	320.581			8.69	0000		29.91	1	b
7.83	A	23	9.64			60.0		4.41	100					60		10.80		
7.00	4	23	9.28	1 2000				4.41										f Lupi.
8.73			44.82	.220	63.0	59.9		6.74							23	5.19		γ Lupi R. γ Lupi.
	-		43.38 53.68	918	63 0	60.0								61	15	55.66	1816	P Scorpii R.
7.78	5		53.21	,210	00.0	00.0	1	5.23								55.19		
7.58		44	2.87	.218	63.0	60.0		8.84							48		1872	
7.00	8	-	2.01					0.04						64	48		1872	
8.19			56.57	.216	63.0	60.0		7.95		1				0.20	56		1885	Antares R. Antares.
	-0		56.93 29.14		63 (60.0		0.06			1			56		27.55		
			17.56					1 22.87								16.32		σ Octantis.
8.01	2	27		30.233					I MEDITOR		1				31		2741	
0.01	3	27	1.27			The same		3140	1					59	31	1.48	2741	Fomalhaut.
	50	9	16.05	30.239	64.5	65.5	61.5	1 8.14	6.5	0	11	5 1	52.2			22.24		0
1000		37	30.07		1		1	1 6.88			1	0 0	1 . h	100		19.45		0
			37.89		65.0	65.6	61.5			6				113		54.96	10000	a Columba.
and the same	-0 41		54.06 30.52		GA I	65.0	60	0.23							50	2.46 17.27		
7.40	41		29.29		04.0	05.0	00.0	50.00		1						16.04		
8.53	-18	40	18.08	30.221	64.5	64.3	59.8	10.00		1				37	23	19.39	807	Canopus R.
0.03			17.05		1	1	1	19.28	1	1				37	23	20.42	807	Canopus.

Coincidence of Micrometer Wire with fixed Wire, May 1st, =20^r.153. May 3rd, =20^r.150

One revolution =40".335

Correction for Runs from May 1st, =-0".0

Adopted Zenith Point =326°. 04'. 08".01

Assumed Co-latitude =56°. 03'. 56".75

Month	1939	NAME OF STAR			M	icrosc	opes.			Micrometer			luded	Initials of
and	No.	OF STAR	7 11		P	10	n	12	F	or Time by Molyneux.	for Microm. or Time.		ding ircle.	als
	A.S.C.			A	В	C	D	E	F	Diolyneux.	or Time.	01.0	arcie.	oiti
Day.		PLANET.	,	//	"	"	- //	- //	11	r.	, ,,	0	, ,,	-
-	-		-			-				h. m. s.				-
4 4 May	838	Sirius M.R				33.0					-31.34	128 38		1000
	838	Sirius				67.4					.0.00	271 38	54.99	-
		2 S. L				66.9					+0.00		42.58	
	000	& S.L				78.8					33.0		55.47	
	-	C Octantis SP								9 59 07	TO SHAPE OF	266 48		1000
	2651	a Tucanæ SP								10 07 38		241 13		
	1230	(a) μ Ursæ Majoris	14	85.0	111.3	121.2	114.9	135.8	55.2	10 14 15	-1.20	42 15	42.70	T.
	2700	β Octantis SP	15	47.1	59.3	40.2	30.2	47.9	28.6	10 29 31	The sales	262 15	42.22	T.
31 10		7 Octantis SP								11 04 34		268 23		
	1370	χ Ursæ Majoris				77.1					+31.58	48 34		
	2849	γ¹ Octantis SP								11 42 55		262 57		
	2861	γ Octantis SP								11 48 58		263 06		
	10 27	γ 3 Octantis SP β Hydri SP								11 02 58 12 17 29		263 09 258 12		T.
27	1492	12 Canum Ven				88.5					(To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	39 09		
	1492	Companion M	0			-	-		24.0	20.520	-14.92			
	1527	Centauri M.R	50			51.6			37 0	20.835		147 59		T.
	1527	¿ Centauri				70.8					-27.00	324 08		
		ž				52.6					1000000		37.13	
	1575	η Ursæ Majoris				61.1					Service Co.	49 59	58.53	T.
		z Octantis				39.8					THE PROPERTY.	272 33	40.88	
	1646	γ Bootis	58	16.2	42.5	50.9	46.1	68.0	46.4				25.02	
	1678	Librae M.R	24	30.0	42.8	26.0	41.6	20.0	26.1	19.414	+29.69	139 25		
	1678	Libræ	42	82.0	74.0	86.0	68.0	80.0	58.1		PA SERVE	332 43		
		ь S. L. M				41.6				19.715		346 27		T.
	2741	Fomalhaut M.R	100 M			26.2				20.625			6.14	
	2741	Fomalhaut				83.0						329 31 14 20	9.82	
	17.78	♀ N.L	19	48.2	70.5	77.2	40.4	95.0	37.0	20.351	-8.11	14 20	0,40	1.
5 May		⊙ S. L. M				62.9					+2.34	15 58		
		⊙ N. L				45.4							37.72	
	699	(b) §'s center				100.6					-0.48	23 21		
	734	a Columba				22.0					.50 45	325 50 104 46		
	734	a Orionis				15.2 43.6					+59.45		37.45	
	838	Sirius				58.2						343 29		
		A Octantis	100000			50.3		-				271 38		
		(b) 2 N.L				60.9					-0.09	18 41		
		(c) & 's center	7	50.0	96.6	87.0	57.7	113.8	39.0		-		14.02	
	12/5820	C Octantis SP	48	48.0	45.0	50.3	09.3	51.0	14.2	9 58 53	MALA SECTION	266 48		
	2651	a Tucanse SP	13	41.8	36.0	39.0	06.0	48.1	15.5			241 13		
	2670	SP.	52	55.3	56.7	56.0	22.0	64.3	30.8	10 16 01		245 52		
	2700	β Octantis SP	15	52.5	55.2	55.9	15.9	59.8	27.3	10 29 21		262 15		
	2774	τ Octantis SP										268 23		
	1370	χ Ursæ Majoris	20	14.0	50 0	52.0	50.0	75.7	40.0	11 08 12		239 21	28.00	
	2849	γ¹ Octantis SP	57	20.9	27 6	30 1	47 9	34.0	54.0	11 45 39	_1 05	262 57		
	2861	γ Octantis SP	6	31 8	31 0	35.0	51 9	36 9	57 0	11 49 55		263 06		
	10	γ Octantis SP	100		100000	100000	01.0	30.8	31.2	15.265				100
	10	· Control of Brokenson	1000							112 03 01	+3 17.07			
	44	o Octantis SP SP.	57	68 0	63 5	45.9	09.9	47.0	10.0	12 16 40		269 17 243 57		
	45		10000					10.2	10.0	{12 24 24 {19.499		243 58		
	40		1000							1 19,499	+20.20	P.40 00	20.01	1.

 ⁽a) There seems to be an error in the Microscopic readings for this * and for no 1575.
 (b) Observed at the 4th Wire.
 (c) A blotch.

CALCULATION OF GEOCENTRIC SOUTH POLAR DISTANCES.

Sec. of appa-	Apparent Zenith		The	rmom	eter.			Microm.	Semi-	God	r 9	P. D. o		NAME OF CO.
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction	Parallax.	opposite Limb.	diameter.	Geo	Cen		No.	NAME OF ST.
	0 / 11	Inch.	0	0		, ,	, ,	r	, ,	0	,	"		PLANET,
	17 25 48.89	30.221	64.2	63.8	59.5					73	30	3.57	838	Sirius R.
7.06	17 25 46.98	200	100000			17.93	K	111000	77777		30		838	
	-54 25 38.67		64.0				The state of the state of	22 222	200			57.88		A Octantis.
	52 38 34.57 51 12 47.46		63.5			1 15.16		19.321 19.935	16.75			2.93 54.65		4
	51 12 47.46 -59 15 29.49		63.2			1 36.47		19.933	4.0		13			& C Octantis SI
	-84 50 38.01	.245										10.09	2651	
	76 11 34.69	.246				3 49.81						21.25		
	-63 48 25.79	.246				1 56.70		6.18.6					2700	β Octantis SP.
i	-57 40 19.89 82 30 17.04	.253	63.0			1 30.72 6 51.99		9-1000			41	53.86	1370	τ Octantis SP. χ Ursæ Majori
	-63 6 52.14	.253				1 53.11				-7		48.50		
	-62 57 47.81	.253				1 52.38							2861	γ 2 Octantis SI
	-62 54 32.34	.248				1 52.06						27.65	10	
1	-67 51 29.84	.248				2 20.49 3 6.90		0.01		1000	- 53	53.58	1400	
	73 4 56.01 73 4 41.09	.248	03.0	00.0		3 6.87				129		59.66 44.71		
	-1 55 9.46	.246	63.0	60.0						54		45.36		Centauri R.
7.56	-1 55 10.36					1.93	The same of the			54		44.46	1527	
	36 24 29.12	.246				42.44	2.20				29			Ť
	83 55 50.52	.248			57.5	8 16.04 1 17.70				140		3.31	1575	η Ursæ Majoris z Octantis.
	-53 30 27.13 72 54 17.01	.245				3 4.95				129		18.71	1646	
	6 39 7.80	.243										11.27		Libræ R.
7.73	6 39 7.23					6.72						10.70	1678	Libræ.
	20 23 20.37	.243				21.41	0.33	19.715	8.78	9750		46.98	27.43	b
7.98	3 27 1.87 3 27 1.81	.237	62.5	60.4	58.5	3.47		1000			31	2.09		Fomalhaut R. Fomalhaut.
	48 15 55.47	30.328	65.0	67.0		1 3.77	3.69	20.351	4.06			48.24	21-11	P
	49 54 48.75	30.223	65.0	67.0	60.8	1 7.33	6.48		15 52.00	106	15	38 35	1	0
	50 26 29 71					1 8.60	6.53		10 02.00	100	10	00.00		0
	57 17 13.53	.212	65.0	67.5	61.0		7.15					31.13	699	ğ α Columbæ.
4	-0 13 55.59 41 17 30.06	.1866	85 0	85 86	80 5	0.23				97	50	0.93	734	a Orionis R.
7.70	41 17 29.44	.100		0.0	0.0	49.87				97		16.06	734	a Orionis.
	17 25 46.31	.1866			60.0	17.89				73	30	0.95	838	
-	-54 25 38.23	.1826				1 20.07	7 0-	21 626	10 40	1		58.45		A Octantis.
	52 37 37.63 51 4 6.01	.1856				1 15.02 1 10.98	5.33	21.013	17.40	108	42	30.73		4
-	-59 15 31.71	.186				1 36.24	0.00	Charles !				11.20		C Octantis SP
	84 50 36.94	.1866	63.5	60.3		9 27.27	20010					7.46	2651	α Tucanæ SP.
	80 11 20.49	.1866		0.707.70		5 19.64	12000			-24	12	43.38	2670	SP.
	63 48 23 63	.1866				1 56.17	A STATE OF THE PARTY OF	15 160			-	23.05	2700	β Octantis SP.
	-57 40 19.91 -86 43 7.69	.1866			1	1 30.58				-1	31	53.74	2774	SP.
	82 30 19.99	.1816				6 52.41				138	41	9 15		χ Ursæ Majoris
-	63 6 52.41	.1836	32.55	58.0		1 53.25				-7	4	48.91	2849	y 1 Octantis SP
	62 57 47.50	.1856	52.05	58.0	-	1 52.52								7º Octantis SF
	62 54 30.43	105	20.0	.0.0		1 52.26						25.94	10	γ ³ Octantis SI ο Octantis SP.
	56 46 34.28 82 6 10.36	.1856				1 27.83 6 33.65	35/41	188		-0 -26		5.36 46.26	44	SP.
													100	

Coincidence of Micrometer Wire with fixed Wire, May 4^{th} and $5^{th}=20''.150$ One revolution $=40^{\#}.335$ Correction for Runs $=-0^{\#}.0$ Adopted Zenith Point $=326^{\circ}.04'.08^{\#}.01$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month and Day.	No.	NAME OF STAR																	
Day.	CHILD'S CO.			A	1	В	c	D	I	2	F		Time by lyneux.		Microm. Time.		read f Ci	rcle.	Initials of Observer.
		PLANET.	,	,		10		"	-	y	"	h.	7. m. s.	,	,	0	,	"	40
5 May	46	SP.										[12	25 37	. 4	21.01	244	00	44 00	T.M
5 May												1	13.679	+4	21.01	1			1000
	1492 1492	12 Canum Ven Companion M	8	46.	29	1.0	91.2	26.	2 110	5.7	15.9		00 505		15 01	39			T.M
	1542	d Centauri M.R	40	52	46	6.0	53.9	63	7 49	0	53.0		20.527 18.564		-15.21			49.32	T.M T.M
	1542	d Centauri									02.7		10.004	7.4	00.07			15.72	T.M
	1	*	32	60.	57	9.6	76.8	62.	2 89	.2	51.0							9.88	T.M
	1573	g Centauri									41.2								T.M
	1604	θ Centauri M.R									45.0		21.116	1	-38.96	324		6.87	T.M
100		θ Centauri (a) λ Virginis M.R									31.6		21.860	-1	08.98	1000		6.32	T.M T.M
7 1/1/1	1024	z Octantis											17 30	-1	00.50			41.95	T.M
111111	1681	α ² Libræ M.R	30	52.	57	0.9	20.9	88.	0 22	.0	69.5		21.147	1 18	-40.22				T.M
	1681	a E Libræ					100000000	10000	-		48.0					344		2.48	T.M
A	0510	ь S.L									34.0							46.23	T.M
	2518 2577	Piscis Aust									$03.8 \\ 05.8$					200000		17.18	T.M T.M
THE PARTY NAMED IN	2651	a Tucanae MR									45.9		22.381	-1	30 00				T.M
1000	2651	a Tucanæ									37.9							49.35	T.M
6 May		⊙ N.L. M	47	36.	8 7	8.3	71.	1 40.	0 97	.3	24.0		20.702		-22.27	16	47	35.84	T.M
		⊙ S.L									24.0							55.53	T.M
		A Octantis											33 00					29.43	T.M
		C Octantis SP									32.6		58 55					8.95 37.65	T.M T.M
	2651	a Tucanae SP											07 38			1000		36.57	T.M
	1000	7 Octantis SP											00 50					46.62	T.M
	2774												09 36			Company of the last of the las		45.47	T.M
	2849	γ¹ Octantis SP. M.									06.3		20.590					14.20	T.M
	2861 2862	γ ² Octantis SP. M. (b) SP.									10.0		20.557 50 09					19.78 45.50	T.M
	10	γ 3 Octantis SP									11.0		30 09		-0.00			34.82	T.M
		o Octantis SP. M.	17	49.	.8 5	57.6	55.	4 17	3 58	3.3	16.1		20.423		-11.01			31.41	T.M
	27	β Hydri SP	12	47.	.5 3	50.2	50.	9 09	9 58	3.1	13.0	12	17 28			0.000		38.27	T.M
	1492	12 Canum Ven	8	44.	.69	92.9	87.	8 28	9 11	6.0	16.8	1	00 500			39	9	4.50	T.M
	1492 1533	Companion M Spica M.R	96	37	9	19 0	05	0 65	000		51.4		20.530		-15.30	199	08	49.17 12.79	T.M.
	1533	Spica									55.0		19.210		+07.72	349			T.N
		Ĭ	37	23.	.0:	35.6	32.	0 23	8 40	0.9	17.8							28.85	T.M
	1580		16	37.	.5 8	56.8	26.	1 64	2 23	3.5	46.0		21.890	-1	10.18	143	15	31.51	T.M
	1580										30.0							45.69	
	1624 1624	λ Virginis M. R λ Virginis									48.1		21.443		-52.13			40.52	
	1681	a 2 Libræ M.R	30	55	0	72.9	23	4 80	9 2	5.0	24.0 69.8		21.168		_41 0			14.38	T.M
	1681	a 2 Libræ									50.0		21.100		11.0	10000		3.56	1000
		ь N.L									11.4							22.82	T.N
	2741	Fomalhaut M.R									52.3 55.2		21.218		-43.0			5.75	100000
00.75	2741		100		1						1-81-91	100							100
20 May	120	# *(1)	1000				2012-00		1000 1000				11 (32)			0000		25.28	T.N
		#(16) #*(17)									39.8		46 44			335		52.28 8.40	T.M.
	1527										45.4		19.228		+37.39			19.59	
	1527								1000		39.0							55.38	

 ⁽a) Observed near the 5th Wire,
 (b) Observed at the 4th Wire.

ec. of appa- rent		rent	Zenith	Barom.		rmome	eter.	177		D		Microm.	S	emi-	Ger	c.S.	P. D. of		NAME OF STA
Zenith Point.	E	dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Kei	raction.	Par	allax.	opposite Limb.	dia	meter.		Cen		No. ASC	or PLANET.
"	0	,	"	Inch.	0	0	0	1	,	,		r	,	"		,	"		
	-82	1	23.09	30.184	62.0	57.8		6	30.04						-20	3	56.38	46	SP.
	73	4	56 50	30.183	61.5	57 0	55 0		7.62						129	12	0.89	1492	12 Canum Ver
	73		41.31	30.100	01.0	07.0	00.0	3	7.59						129	-			Companion.
7.89	-4		52.05	.177	61.5	56.8	55.0					1.000				26	0.02	1542	d Centauri R.
1.00	-4		52.29	1					4.68			157710						1542	d Centauri.
753	100	29	1.87	.177	61.5	56.8			42.73		2.20						39.15	1.550	‡
2000	0		48.01 58.86	177	61 5	56.8			0.30										g Centauri. θ Centauri R.
6.60	-1	38	1.69	.177	01.0	00.0			1.65										θ Centauri.
	21		28.30	.171	61.5	56.5			22.55								47.60		
			26.06					1	18.01						1		12.68		z Octantis.
7.95			54.59	.168	61.5	56.7			19.41						1 55		10.75		α 2 Libræ R.
	18		54.47 38.22	166	61 5	56.8	er o				0 22	10 705		0 0	0 7	38	10.63 5.12	1681	
	1		9.17			54.3			21.50		0.00	19.705		8.9	5			2518	Piscis Australi
	-		11.89			54.2			0.17							3 14		2577	ι Piscis Austra
9.05	07	7	20.74	30.130	61.5	54.8	54.0		377000						2			2651	a Tucanæ R.
3.00	-27	7	18.66						29.67						2	3 56	8.42	2651	a Tucanæ.
				30.165	63.5	65.5	61.0	1	9.37		6.56		15	51.7	6.0		35.69		0
			47.52	100	00 0	en n		1	8.12		6.51		10	01.,	10		37.58		0
			38.58			60.0			20.10		1 07	20.946		16 0			58.07 55.32		A Octantis.
			30.36			59.8		1	14.96 36.28		1.21	20.940		10.0		3 13			C Octantis SP
_			31.44			59.8		1000	27.56							3 56		2651	a Tucanæ SP
			21.39			59.8			30.54						-	1 37	55.18		7 Octantis SP.
_			22.54			59.8												2774	SP.
	-63		53.81 48.23			59.8			52.81				1		-		49.88		γ Octantis. S γ 2 Octantis Sl
			22.51			59.8			52.09 39.10						1 2	1 48	43.57	10000	SP.
_			33.19			59.9			51.81								28.25	10	γ 3 Octantis SI
				30.176					27.47						-) 44			o Octantis SP
				30.176				2	20.17						1000		53.16	27	β Hydri SP.
933	73		56.49	.173	62.0	60.4		3	2022						12		59.20		
and the same	73		41.16 55.22	164	60 5	60.8		3	5.93								43.84 17.04		
8.21	23		55.62	.104	02.0	00.0			25.07								17.44		
			20.84	.164	62.5	60.6	9		42.51		2.19				9		57.91		Ť
8.60			36.50			60.3										8 52	36.07		h Centauri R.
0.00	14		37.68	101	00 -				2.82			4	1						h Centauri.
7.20			27.49 25.87	.164	62.5	60.0	-		22.40										λ Virginis R.
	10		53.63	160	62 0	59.8							13				9,67		λ Virginis. α ² Libræ R.
8.97			55.55	.100		00.0			19.29						1 000		11.59		
	20	26	14.81			59.8			21.40		0.33	20.617		9.4	2 7	3 30	23.21		h
8.16	3	27	2.26 2.57	30.153	62.0	58.8			3.47						5	31	2.48 2.79		
	199			20 400	60.0				00.00										The second second
	10000		43.62	30.420		56.4			26.90 10.76			la III II					40.27	1	#(1) #*(16)
	9		59.74			56.4			9.36			10000					5.85		Ø*(17)
7.49	_1			30.461								E					43.86	1527	Centauri R.
7.49			13.28						1.96								41.51		

Coincidence of Micrometer Wire with fixed Wire, May $5^{\rm th}$, $=20^{\rm r}.150$ May $20^{\rm th}$, $=20^{\rm r}.155$ One revolution =40''.335 Correction for Runs =-0''.0 Adopted Zenith Point $=326^{\circ}.04'.08''.01$ to May $7^{\rm th}$. From May $7^{\rm th}$, $326^{\circ}.04'.08''.66$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR	-		D	licrosc	opes.			Micrometer or Time by	Correction for Misrom			luded	s of
and Day.	No. A.S.C.	or.		A	В	c	D	E	F	Molyneux.	for Microm. or Time.	1		ding ircle.	Initials of Observer.
Day.		PLANEI.	,	"	"	,	,		"	r. h. m. s.	1 11	0		,	
6 20 May	1562					38.2					+29.00	144	21	21.04	T.M.
	1562					64.2								53.97	T.M.
	1580 1580	0 . 34	1000		1990000.	2 50.8	10000	45.0	27.8	20.572	-16.82			42.50	T.M.
	1000	b N. L.				42.4		44.3	30 4		-10.82			38.92	T.M.
	1818					32.1					-9.52			45.67	T.M.
	1818	π Scorpii				39.8								32.05	T.M.
	100=	D S. L				55.4								48.33	T.M.
	1967 1967					40.0					+38.68			31.72	T.M.
18 111	1986	θ Ophiuchi	9	67.5	67.5	73.3	63.0	70.1	52.9		Jo Blad				The state of the s
21 May						23.1					+0.20			21.97	T.M.
1979										10 27 57				6.32	T.M.
Market N										11 34 04 11 46 44				53.95 8.68	T.M.
			200		100		1	100							1000
22 May										10 12 38				34.17	T.M.
										10 27 58 11 01 00				5.61 47.31	T.M.
	03					59.2								53.41	T.M.
										11 46 46		335		8.09	T.M.
	1492	12 Canum Ven				84.8							09	1.78	T.M.
9000	1527					38.1					-26.42				T.M.
	1527 1562	i Centauri M.R				64.3					+35.01			56.04	T.M.
	1562					66.4								55.40	T.M.
	1624					36.5								31.14	T.M.
		(b) z Octantis	33	45.0	53.2	53.0	13.5	51.6	16.5	14 19 00	+0.97	272	33	39.77	T.M.
23 May						55.3								44.72	T.M.
1998	1572					43.3					-30.78			31.82	T.M.
Maria S	1604	(c) θ Centauri M.R θ Centauri	9.5	73 8	65 1	52.3 79.1	54 0	65.0	48 1	20.918		324		8.36	T.M.
mel mil	1004									14 15 40				37.55	T.M.
10997	1646	y Bootis	57	76.2	96.5	105.0	46.5	118.2	49.7	14 25 57				22.35	T.M
		ь S. L	50	43.2	45.4	62.8	28.5	64.0	20.2					44.09	T.M.
	1711	ν¹ Libræ M.R	45	50.2	54.1	31.9	58.5	25.2	46.0	20.040				48.72	T.M.
St. No.	1711	* 1 Libræ	24	35 5	28 4	43.0	18.5	40.5	10.9					24.99 30.88	T.M.
3,011	1800	b Scorpii M.R	22	58.3	61.9	57.4	55.4	46.7	44.0	19.345					
111111	1800	b Scorpii				69.1									T.M.
1000	1836					19.7				21.134	-39.49				T.M.
	1836					51.0				0.15.14				32.02	
	27		20000							0 17 14				8.66	1000
24 May	HIII	⊙ N.L. M				73.5					2 26.74				T.M.
	600	⊙ S. L				71.6								48.03	T.M.
- (8)	699					34.0				10 14 58				5.86	
. 00	A Contract									10 58 45				32.71	1000
The state of	7	τ Oct. SP. M.R							1000	1 19.179					T.M.
	1	7 Octantis SP	23	53.4	58.2	37.4	37.9	42.3	39.4	11 01 44		268	23	45.12	T.M.

⁽a) Leaving the field.
(b) Bad images.
(c) Part of the Object Glass beyond the line of the Quicksilver.
(d) Observed at the 5th Wire.

Sec. of appa-	Apparent Z	enith			rmome	eter.					Microm		Ser	ni.	Gara		P. D. o		NAME OF T
rent Zenith Point,	Distance	Enith E	Barom.	Attach.	Out.	Wet. Bulb.	Ref	raction.	Par	allax.	opposit Limb.	e d		eter.	Geo		ter.	No.	NAME OF ST
,	0 /	"	Inch.	0		0	,	"	,	"	r	-	,	"	0	,	"		PLANET.
7.51	1 42 47	.62 3	0.465	60.0	55.6			1.75							57	46	46.12	1562	i Centauri R.
7.01	1 42 45 2 48 33		.466	60.0	55.6			2.87							58	52	33.46	1580	i Centauri. h Centauri.
833	2 48 17 20 43 30		.489	59.0	55.6			22.15		0.34	20.600		8	3.98			16.64	1580	Companion.
8.86	8 17 22 8 17 23				55.0			8.55			200				64 64	21	28.29 28.69	1818 1818	π Scorpii R. π Scorpii.
	8 59 39 7 34 22	0.000			54.0 53.9			9.30	9	4.80		16	3 9	.45	65	10	50.37 26.96		D
8.99	7 34 23 9 5 57	.06		-114				7.81							63	38	27.62 4.12	1967	A Ophiuchi.
	25 24 13	31 30	.562	61.0	58.8			27.70				-					37.76		Ø*(2)
	21 45 57	.66	.562	61.0	58.8			23.28 10.78			7. 61	1			77	50	17.69		Ø*(7)
	9 7 0.	02 30	.602	61.0	58.4			9.38				-			65	11	52.82 6.15		#(16) #*(17)
	24 38 25. 21 36 56.		.565	60.0	54.0			27.00 23.33			1000				80	42	49.26 17.03		# (3)
-	-57 40 21.		.560			18.0		32.84									57.44		*(7) r Octantis SP
	10 26 44.		.558					10.89			6 11						52.39		*(16)
	9 6 59. 73 4 53.	2.00	.540				3	9.48							129	11		1492	#(17) 12 Canum Ve
	-1 55 11.		.540	56.5	49.8			1.99							54				Centauri R.
8.55	-1 55 12. 1 42 46.		.538	56.8	46.8			1.78							54 57		42.14 45.49		i Centauri.
1	1 42 46. 21 18 22.	74	-			10.		23.34							57	46	45.27	1562	i Centauri. λ Virginis.
	53 30 28.		.533			12.5		20.75			3 3				2	32	7.11	1024	z Octantis.
8.27	-7 43 36. -7 43 36.		.358	58.5	50.2	14.4		8.00			0.190	-					12.69 11.91		μ Centauri R. μ Centauri.
6.42	-1 37 59 -1 38 4.	70	.357	58.5	49.5			1.68							54	25	55.37	1604	
-	53 30 31.		.357	58.0	49.0			19.68							2	32	5.96		z Octantis.
	72 54 13. 20 46 35.		.357 8					9.93		0.24	19.690		0	.38	129		20.37	1646	γ Bootis.
	18 18 19.		.357 8							0.34	19.090		9	.00			36.27	1711	ν Librae R.
6.86	18 18 16.		0.50			1		19.58									32.66		ν¹ Libræ.
-	6 20 22. 8 40 42.		.356 8					6.59											Libræ. b Scorpii R.
8.66	8 40 42.	40			1000			9.08		-					64	44	48.23	1800	b Scorpii.
9.01	14 34 22. 14 34 23.		.356	56.0	45.0			15.48											β¹ Scorpii R. β¹ Scorpii.
-	44 13 0.		.298	58.5	59.45	52.0		56.15									0.60		
	54 57 13.	2000	.264 6	34.2	70.5	9.5		20.32		6.91		15	48				35.82		0
	54 25 39. -0 13 49.	200		1			1	0.23		6.86	Mary Control						36.34	699	O α Columbæ.
	25 20 57.		.224 6	31.5	31.0	1	5	27.21									21.16		#(5)
	57 40 24.	05 30	.234 6	60.0	57.25	2.3	,	1 10		1	P. S. B.			1	-1	37	58.49	3	7 Octantis SP.
8.92	57 40 23.	54					1 .	31.19							-1	37	57.98	00	7 Octantis SP.
F 77										1000	100000								

Coincidence of Micrometer Wire with fixed Wire, =20°.155 One revolution =40".335 Correction for Runs =-0".0 to May $22^{\rm nd}$ at Noon. From May $22^{\rm nd}$, +2°.9 Adopted Zenith Point =326°.04′.08″.66 Assumed Co-latitude =56°.03′.56″.75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month	111111	NAME OF STAR			M	licrosc	opes.			Micrometer	Correction for Misson	(luded	s of
and	No. A.S.C.	or		A	В	C	D	E	F	Molyneux.	for Microm. or Time.		of C	ircle.	Initials of Observer.
Day.		PLANET.	,	,	,	"	0		,	r. h. m. s.	, ,	0	,	,	
4 25 May	100	⊙ S.L. M	40	48.0	84.	8 91.8	36.7	114.6	45.0	20.680	-21.18	20	40	49.16	T.M
		(a) ⊙ N.L	11	61.8	8 98.	4 104.1	48.5	126.7	97.7			21	12	19.47	T.M
.003		¢ 's center C Octantis SP				963.0				9 59 28				44.00	T.M T.M
		Ø*(5)								10 15 00		351			T.M
1-10		#*(7) M	50	40.	5 49.	1 60.0	29.1	64.9	18.0	10 28 20 20.993	-300 801	347	50	9.87	T.M
			19	72.9	9 72.	5 90.0	55.2	91.8	47.8	10 31 39				12.18	T.M
		7 Octantis SP. R.								11 01 06	1 24				T.M
- 24	10	τ Octantis SP								11 06 00 12 03 18	-1.34			42.74 29.46	T.M T.M
	27	β Hydri SP	12	35.9	9 49.	3 22.0	25.2	34.0	24.0	12 17 43	1	258	12	31.97	T.M
	2543 2543	(b) & Capricorni M.R & Capricorni				8 34.2				21.110	-30.45			7.41	T.M T.M
	2566	y Capricorni M.R.				2 46.3					-52.44				T.M
	2566	γ Capricorni				5 96.0					1999			15.14	T.M
		D N. L				8 100.0				21 59 45	William or the same			19.45 39.63	T.M T.M
	2655	θ Aquarii	23	74.5	272.	3 90.7	54.0	92.8	49.3			351	24	12.62	T.M
	2688	σ Aquarii M.R	39	49.	0 55.	4 26.4	1 59.7	25.4	47.8	21.179	-41.02	123	39	2.70 13.88	T.M
	2688 2741	Fomalhaut MR				8 41.1					-29.40				T.M
	2741	Fomalhaut	30	79.	2 73.	3 93.0	0 62.8	82.5	54.5	5		100000		14.99	T.M
		7 Octantis R								22 58 46 23 06 22				49.15	T.M T.M
	27	β Hydri								0 17 16	72.10			8.03	T.M
⊙ 28 May	182 182	Achernar M.R				2 78.0 0 56.					1 33.46	170 301	11 56	20.96 55.49	T.M T.M
D 29 May		⊙ S. L. M	20	41.	581.	0 87.	4 30.0	0 108.	18.5	20.420	-10.57	21	20	50.72	T.M
		⊙ N. L	51	61.	5 100.	.7 106.	0 51.0	0 127.8	37.0					20.60	T.M
		ç's center				8 75.				11 05 50	-1 93			50.52	T.M
	1604	θ Centauri M.R	42	25.	0 26.	7 34.	2 15.6	6 26.0	07.0	20.480					T.M
	1604	θ Centauri				4 75.					10.10		26	2.30	T.M
	2598 2598	γ Gruis M.R γ Gruis		56.	0 45.	2 59.	4 35.6	6 43.	31.9	20.48	-13.13			45.43	T.M.
	100	C Octantis	14	46.	5 59.	8 39.	2 34.0	0 39.	34.0	22 00 49	+1.10	273	3 14	43.63	T.N
	2689 2689	β Piscis Austr Companion M		41.	2 35.	0 49.	8 26.5	2 36.	19.0	20.90	-29.9			34.97	THE REAL PROPERTY.
	2741	Fomalhaut M.R		39.	6 41.	8 45.	7 34.	3 35.	24.6	100000000000000000000000000000000000000					
	2741	Fomalhaut	30	79.	8 72.	091.	0 63.	8 79.	56.6	6				14.47	T.N
	2779	(c) τ Octantis γ App. Sculp				0 29.				8 22 58 47	1 1000			32.82	
	31	a Phœnicis M.R	18	33.	8 37.	.8 54.	0 21.	5 43.	0 16.0	0 19.32	+33.8	0 155	5 19	8.22	T.N
	31		100			675.					00 7		3 49	5.20	
	182					.0 56.					-20.7			54.59	
₹ 30 May		⊙ N.L. M				.693.					-30.9			34.62	
	11.08	⊙ S. L	29	42.	3104	.0 86.	5.53	91107.	140	3				1.80	
	699		50	28.	5 18	.9 34.	3 08.	1 22.	0 00.9	9		328	5 50	18.81	T.N
			Moly	neux	c fast,	, May	25th,	221	-29th,	, 25°.			7		1
		(a) Very un		y.											
		(b) Hurried (c) The Star													

ec. of appa- rent	Арра	rent	Zenith	Barom.	Th	ermom	eter.					Microm.	5	Sem	i-	Geor	. S. 1	P.D. of		NAME OF STATE
Zenith Point.	D	istar	ice.	Barom.	Attach.	Out.	Wet Bulb.	Ren	raction.	Para	allax.	opposite Limb.			eter.		Cent		No. ASC	or
	•	,		Inch.	· A	0	0	,	"		,	r	,	-	,	0	,			PLANET.
	54	36	40.50	30.145	62.0	70.2	61.0	1	19.05		6.88			46	200	110	57	37.62		0
-	55	8	10.81					1	20,60		6.92		15	40	3.20	110	57	33.04		0
	55 -59		35.34			62.0			20.32 35.51		4.04	19				111		48.37		Q C Octantis SP.
			58.34			62.0		1	27.03									13 05 22.12		# (5)
19	21		1.21			61.0			22.83									20.79	100	Ø*(7)
	20	16	3.52	.093	62.0	61.0	56.5		21.12			18:19:1				76	20	21.39		Ø*(8)
9.02	-57	40	26.64			5 59.0			30.42							1 100		60.31		- Octantis SP.
10000	-01	40	25.92 39.20	005	61 6	2 58.5		1 3	51.81	-								59.59 34.26	10	τ Octantis SP. γ 3 Octantis.
				30.081					20.08							-11	50	0.02	27	
1.88)	10	49	1.25	29.915					9.84							1000	53		2543	ζ Capricorni R
1.00)	10	-	7.69	29.915	61	601 0			0.04	1		10.00				66		14.28 21.00		ζ Capricorni. γ Capricorni R
8.22	16 16		6.48	29.915	01.	01.0		1	16.88							72		20.11	DALOGO CO.	Y Capricorni.
	16	22	10.79	29.916					16.70		30.88		16	-	9.14	71	53	44.22		D
				29.916				1	14.96									12.76 27.68		C Octantis.
	25			29.916					26.97							78		29.85		
8.29	22	-	5.22	20.022		00.0			27.14									29.11		σ Aquarii.
8.73		27		29.927	61.	0 58.0			3.45			1					31		2741	and the same of th
		27	6.33 40.49 35.98	1						1						1 59	31		2741	Fomalhaut.
1.26	-54	24	35.28	29.929	61.	0 57 .0		1	19.90)		1	1			lî				7 Octantis.
100	-44	13	0.63	29.929	61.	0 58.0)		55.60)						11	50	0.52	27	β Hydri.
8.23	-24			30.488	57.	050.0	49.0		26.51							10000		16.02	6 6 6 7	
	-24	7	11.25					-	20.01							31	56	18.99	182	Achernar.
7.50			43.98 13.86	30.437	59.	0 55.8	50.6	7 2			6.98		15	4	7.50			45.42		0
			43.78		59.	0 55.8	8 50 .6	1 1	25.77		4.10					1112		2.77		9
	-57	40	22.62	.350	58.	5 49	5	1	32.94	1						10000		58.81		TOctantis SP.
5.76	-1	100	2.47		58.	0 44.0	0 43.0	0	1.70	0						1000		52.58		
	-1 -4		22.26		56.	0 38.	4	1					1					30.09		
7.22	-4	11	21.31				9	10	4.40	9								31.04		y Gruis.
			23.11 28.23			6 38.		1	19.08	- 1								14.56		C Octantis. β Piscis Austra
			58.30		500.	0 30.	*	1	0.79				-							Companion.
7.34	2		6.54	.22	4 56.	0 38.	8		3.6				1			59	31	6.91	2741	Fomalhaut R.
	1 3	27			1 50	0 20	0	1.		3			1					8.10		Fomalhaut.
			33.92 6.12		4 30.	0 38.	9	1	23.6									59.19		
6.71	-9	15	1.48	.22	0 56	0 42.	8		9.7							40	3 48	45.57	31	a Phœnicis R.
0.71	-9		1.54		0 50	0 50	2 40	0	3.1				1					45.5		
7.64			12.15	30.20	9 30	.050.	340.		26.2	5								3 16.56 3 18.36		Achernar.
	55	57	27.88	30.12	6 59	.0 64.	3 56.	0 1	24.0	1	6.9	9	1		17.4			54.28		0
			55.06		0	1.	0 50	- 1	22.3	8	6.9	4	16	9 4	17.4	111		54.6		0
			16.80	30.12	2 59	.564.	8 56.	0]	0.2		4.1	1				100		34.08		a Columba,
	1	-	27100						0.2	9		7 77 7				-	-	0.00	000	

Coincidence of Micrometer Wire with fixed Wire, May 23rd, =20r.155 May 28th, =20r.158 One revolution =40".335 Correction for Runs =+2".9

Correction for Runs =+2".9

Adopted Zenith Point =326°. 04'. 08".66 to May 26th. From May 26th, =326°. 04'. 06".74

Assumed Co-latitude =56°. 03'. 56".75

The Zenith Point of the Circle appears to deminish as the rain sets in in the winter, and to increase in the dry weather, implying that the South end of the pier is raised in the former case.

Month		NAME OF STAR	-		N	licros	copes.			Micrometer			cluded	Jo
and	No A.S.C.	or		Α	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.		ading Circle.	Initials of
Day.		PLANET.	-	"	"	"	11	"	"	r.	, ,,	0	, ,,	13
30 May	807	Canopus M. R	14	20	5 44 1	50	217	54.8	11 (17 24	164 4	19.12	T.N
5 50 May	807	Canopus						48.1			-17.04		3 56.37	
	838	Sirius M.R	38	40.	50.1	25.0	54.0	19.4	37.8	20.730	-23.07		3 14.76	10000
	838	Sirius						74.0			10.00	The state of the s	57.26	1000
	100	(a) # * (1) M # * (5)						97.8			+10.33	351 28		T.1
	119	Ø *(7) M						65.1			-38.84			10000
		#(8)						90.5				346 20	11.72	
	71/9	7 Oct. SP. M.R	43	47.0	32.1	68.3	302.8	68.2	17.2	18.829	+53.60	203 44	33.72	T.D
		7 Octantis SP								111 03 00	7.00		39.38	10000
	1378	β Hydræ et Crat						51.0					47.38	
	10	γ3 Octantis SP	9	28.4	44.1	18.9	18.0	27.3	16.0	12 03 22			25.65	
		o Octantis SP. R								12 12 10	10.000.000		50.46	
	1492	o Octantis SP 12 Canum Ven						105.1		12 18 40	ALL THE RE	39 09	24.20	100000
	1402	A Octantis SP								20 40 02	-2.10		40.78	T.D
	2489	(b) v Cygni						102.1			A PROPERTY.		17.59	
	1137	SP.	455							21 13 14			15.87	T.M
	2577	C Octantis R								21 35 38 21 58 09			21.51	T.M
		C Octantis	1000			100000			2000	22 03 33			38.52	
	2689	β Piscis Austr						35.5					32.86	
	2689	Companion M								20.923				
	2741	Fomalhaut M.R						28.8					13.54	T.1
	2/41	7 Octantis R						80.0		22 59 20			45.62	1000000
3.50		- Octantis								23 04 10			28.29	
	2779	(c) 7 App. Sculp	34	80.1	72.0	37.9	62.0	75.8	55.6			326 35	12.25	T.N
5 June	1570	v Centauri M.R	0	55.0	68.0	74.8	47.0	66.0	37.8	20.730	-22.99	153 00	34.95	T.N
	1570	ν Centauri						35.0						
	1604 1604	θ Centauri M.R						43.2		20.807	-26.10			
	1004	θ Centauri z Octantis M.R	33	75.3	69.0	98 7	39 0	63.7 101.9	49.0	19.423		324 26 $199 34$		T.A
		z Octantis	33	38.0	50.0	29.1	25.2	29.3	27.0	14 17 34			33.35	
		ь S. L	3	35.0	35.3	53.0	18.0	54.5	12.0				34.97	T.N
	1505 1705	Scorpii M.R						41.2					40.51 33.99	T.N
		Scorpii						46.0		23 19 00	7 4 5 7 6 1 5 7 9		46.19	
										23 25 50			33.82	1000000
A total	31	a Phœnicis M.R	19	44.5	52.4	65.2	33.9	56.8	28.0	21.148	-39.90			
	31	α Phœnicis,	48	74.8	68.3	76.0	60.8	61.2	55.0			316 49	6.69	T.N
6 June	000	⊙ N.L						143.1			1		37.56	
9 79	699	α Columbæ τ Octantis SP						25.2		11 01 54			20.91	
		# (16)						63.2		11 01 54			42.42 52.11	T.M
		Ø*(17)						78.7				335 11	7.14	
1	1.500	o Octantis SP	17	30.0	40.3	18.3	17.3	22.5	15.3	12 18 17			24.18	
	1533	Spica M.R						31.9		19.658	+20.25			-
-	1580	h Centauri						82.0 47.2				$349 \ 41$ $328 \ 52$	2.35	-
8		Companion M								20.548	-15.69			Street, Square, Square
100	1624	λ Virginis M.R						13.5		21.439	-51.59	124 45	40.96	T.M
-	1624	λ Virginis	22	31.5	32.0	49.2	14.2	50.8	8.6			347 22	31.54	T.M

Molyneux fast, June 6th, 221.

 ⁽a) Very faint.
 (b) A blotch, seen through the edge of a cloud.
 (c) Almost constant rain from May 30th to June 5th, the observing rooms were drenched with rain, which found its way through the Lantern. Wood structures are not adapted to warm climates, they are not secure against wet.
 (d) This is a bad observation.

Sec. of appa-	Apparent Zonith		The	rmome	eter.			Micr		10000000	Geo		P. D. o		NAME OF STA
rent Zenith Point.	Apparent Zenith Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Paralla	Lin	site	diameter.	Geo		iter.	No. ASC	NAME OF STAI
,	0 / #	Inch.	0	0	0	, ,	,	7		, ,	0	,	"		PLANEI.
7.75	-18 40 12.38 -18 40 10.37 17 25 51.98 17 25 50.52	.065	60.0	66.0		19.14 17.77					37 73 73	23 30 30	5.04	807 838	Canopus. Sirius R. Sirius.
	24 47 21.97 25 20 59.02 21 46 0.74 20 16 4.98	.023 .023 .023	60.0 60.0 60.0	61.0 61.0 61.0		26.35 27.03 22.78 21.07					81 77 76	25 50 20	45.07 22.80 19.27 22.80		#*(1) #*(5) #*(7) #*(8)
	-57 40 26.98 -57 40 27.36 0 55 40.64 -62 54 41.09	.023	60.0	60.5 60.8	52.8	1 29,99 0.93 1 51.10					-1 56 -6	52	0.60 38.32 35.44	1378 10	y 3 Octantis SP
	-56 46 43.72 -56 46 42.54 73 5 1.23 -57 39 25.96 74 25 10.85	29.885	60.06 59.5	52.4 52.5	52.8 53.5	3 5.49 1 29.16					-0 129 -1	44 12 36	13.99 12.81 3.47 58.37 27.67		A Octantis SP.
9 00	-87 13 50.87 5 0 10 14.77 -52 49 31.13 5 -52 49 28.22	29.885 29.875	59.56	62.0	53.1	0.17 1 14.58					56 3 3	14 13 13	11.69 11.04 13.95	1137 2577	Piscis Australi C Octantis R. C Octantis.
6.42	3 97 6 80	29.875	59.5	32.2		0.75 0.76 3.42					56 59	48 31 31		$\frac{2689}{2741}$	Companion. Fomalhaut R. Fomalhaut.
6.96	-54 24 38.88 5 -54 24 38.45 0 31 5.51 -6 56 27.92	10.00				1 19.24 0.51					1 56 49	37 35	58.63 59.06 2.77 21.65		r Octantis R. r Octantis. γ App. Sculp. ν Centauri R.
6.63 7.24	-6 56 28.73 -1 38 5.32	.478			01.0	7.18					49 54	7 25	$20.84 \\ 49.75$	1570 1604	ν Centauri. θ Centauri R.
	-1 38 4.90 -53 30 35.25 -53 30 33.68	.481	57.0	50.5		1 19.77					2	25 32 32	50.17 1.73 3.30	1604	θ Centauri, z Octantis R. z Octantis.
7.25	20 59 27.94 9 17 26.52 9 17 26.96	.482 8	57.0	50.2		22.69 9.68	0.	34 19.7	24	8.80	77 65 65	3 21 21	55.84 32.95 33.39	1705 1705	b Scorpii R. Scorpii.
	-54 24 39.16 -54 24 33.21 -9 15 0.05 3	.448 3				1 22.20					1	37	55.39 61.34 47.12	31	τ Octantis R. τ Octantis. α Phœnicis R.
6.89	-9 15 0.34				56 5	9.58		0.5		15 46.50	46	48	46.83	31	a Phœnicis.
	56 50 30.53 3 -0 13 46.12 -57 40 24.61 10 26 45.08 9 7 0.11 -56 46 42.85	.402 6 .296 5 .296 5 .296 5	80.06 58.55 58.55 58.55	50.8 55.1 55.1 55.1	00.5	0.24 1 31.77 10.74 9.35	7.	05		15 46.50	55 -1 66 65	50 37 30 11	10.39 59.63 52.57 6.21 14.93	699	Columbæ. τ Octantis SP. * (16) * (17) α Octantis SP.
	23 36 55.35 23 36 55.32 2 48 33.41 2 48 17.72	.286 5	57.05	4.3		1 28.83 25.50 2.86					79 79 58 58	41 41 52 52	17.60 17.57 33.02 17.33	1533 1580	o Octantis SP. Spica R. Spica. h Centauri. Companion.
	21 18 26.07 3 21 18 24.51	30.265	57.05	3.6		22.76		1	-		77	22	45.58		λ Virginis R. λ Virginis.

Coincidence of Micrometer Wire with fixed Wire, =20°.158 June 5th, =20°.160 One revolution =40".335 Correction for Runs =+2".90
Adopted Zenith Point to May 31st, =326°.04'.06".74 From May 31st, =326°.04'.07'03
Assumed Co-latitude =56°.03'.56".75

Month	10/5 52	NAME OF STAR			M	icrosco	opes.	-			rometer		rection			uded	of ir.
and	No. A.S.C.	or		A	В	c	D	E	F		lyneux.		Microm. Time.		read of Ci	rele.	Initials of Observer.
Day.		PLANET.	,	,	,	,	,		,	A.	r. m. s,	,	,	0	,	,	10
f 6 June		z Octantis	33	34.0	45.6	25.0	20.3	26.0	21.7	14	17 10			272	33	29.11	T.M
		(a) b N.L. M			57.0					1	21.805	-1	06.35				T.M
	1681	α ^c Libræ Fomalhaut R			64.6								, ,			0.09	T.M
	2741	(b) Fomalhaut			74.8						169		-1.5			59.64 13.19	T.M T.M
- 10	~	7 Octantis									59 45					32.68	T.M
19	27	β Hydri	50	76.5	283.7	83.0	50.3	78.7	47.8	0	17 22			281	51	10.06	T.M
§ 7 June		(c) ⊙ S. L	28	46.	96.5	81.2	49.8	110.4	32.5				-0.74	22	29	9.01	T.M
	699	a Columbæ			9 25.8						34 03.5					20.28	T.M
		7 Oct. SP. M.R			52.7						19.360		+32.27				T.M
100000	-150	τ Octantis SP									03 00			1		42.22	T.M
	1131	o Oct. SP. M.R	50	28.	2 11.6	349.8	41.3	48.7	56.3	11.	17 10 19.373		+31.74	202	50	51.09	T.M
		o Octantis SP								12	18 20			269	17	24.45	T.M
	1492	12 Canum Ven	8	40.	2 38.	3 85.5	33.9	117.	16.2							55.53	T.M
	1533	Companion M Spica M.R	96	47	0 62.	10 6	75	10	50 5		20.502		2000	1		41.74	T.M T.M
	1533				0 63.						19.524		+14.68	349			T.M
		(d) i Centauri M.R			0 53.0						20.490		-13.31			22.70	T.M
	1562	i Centauri			5 53.									10000000		49.40	T.M
	1604	θ Centauri M.R			5 58.						19.578		+23.47	1			T.M
	1604	θ Centauri			0 69.					10	90 019			324			T.M
		z Octantis M.R	34	44.	2 30.	8 63.	5 05.	4 63 .	5 18.0	ne .	20.012		+5.97	199	34	43.98	T.M
	135	z Octantis	33	39.	3 48.	0 44.	08.	0 44.0	0 11.9		16 55		+0.13	272	33	33.00	T.M
		b N.L. M			0 52.						20.464		-12.20	10000		34.09	
	1681	a ² Libræ			5 66.						00 00		0.00	2 2 2		59.69	T.M
	1721	γ ² Libræ M.R γ ² Libræ			2 70. 7 30.						20.324		-6.63	40000		47.04 27.90	T.M
	1760				1 43.						19,630		+21.3			56.04	
	1760				2 20.											17.79	T.N
	0.1	Ø * (48)									38 58		17.			34.57	1000
	31	a Phœnicis M.R			0 51.						21.209	2	-42.0				1000000
	01				8 73.		1							316			283
4 8 June	000	ç's center			1 125.							100				38.33	
	699				4 26. 0 58.											21.53	T.N T.N
	807	1			8 42.						19.255	2	+36.4	-		17.59	
	807	Canopus	23	63.	2 68.	4 60.	9 57.	3 54.	8 45.	2				307	23	59.05	T.N
	838		38	41.	3 59.	111.	8 75.	0 11.	0 55.	2	20.88		-29.2	8 128	38	12.97	T.N
	838	o Octantis SP. R.			5 63.						17 50					59.35	
		o Octantis SP									23 32					25.65	
	1494	(e) & Muscæ R			2 45.						20.10	5	+2.0	9 1000000		48.49	
	1494	ð Muscæ	20	29.	8 38.	131.	4 16.	0 26.	5 13.	0 12	51 31	1	Bloke			25.84	T.N
	1533	Spica R			4 23.						00 00		00.0	1000000		12.16	100000
	1570		7		0 64.						20.658	5	-20.2			35.24	
	1604				5 66.						21.279	2	-45.0	20000		10.80	100000
	1604	A Committee of the comm			8 68.						100000	1			-	2.15	-
	1624	λ Virginis M.R			3 50.						21.467	7	-52.9			40.69	
	1624				0 34.						17 10	1				32.02	
		z Octantis	1000	08.	0 44.	243	2 3	0.42	10111111	20 1 44	1/ 10			1212	450	30.67	T.N

Molyneux fast, June 7th, 24s.—8th, 23s.

(d) Observed on the Meridian; hurried.
(e) A nebulous blur from wind.
(f) Observed on the Meridian.
(g) Observed at the 5th Wire.

⁽a) The Micrometer Wire made to touch the North and South
Limbs in succession. Correction -0".06

(b) The distance from the fixed Wire estimated by the thickness of the Wire.

(c) 1". beyond the 5th Wire.

ec. of		rent	Zenith		The	rmome	eter.				Microm.		emi-	Conn	9 1	P. D. of		NAME OF COL
rent enith Point.		istar		Barom.	Attach.	Out.	Wet Bulb.	Refractio	n. P	arallax.	opposite Limb.		meter.		Cent		No. ASC	NAME OF STA or PLANET.
"	0	,		Inch.	0	0	0	, ,	-		r	,	,,	0		,		
-	-53 21		37.92 38.67	30.268			50.0	1 18.		0.04	22 224		0.00		32	0.08	-	z Octantis.
200	10000000		53.06	267	57.0	53.6	50.0	22. 19.		0.34	22.234		8.62	77		48.88	1681	h a ² Libræ.
6.42	3	27	7.39			44.6								59	-		2741	Fomalhaut R.
0.42	0	27	6.16	205	== 0			3.						59	-		2741	Fomalhaut.
			34.35 56.97	30.227		44.6		1 22.	217					11		59.67 2.10	27	τ Octantis. β Hydri.
	1988	25		30.209		10000	1.2	BA BEAT	39 1	7 00			10 10	23.0		3.73		
163			46.75	30.209	33.0	04.0	59.0	1 25.		7.02	1773	15	46.40		50	9.77	699	⊙ a Columbæ.
7.95	-57	40	26.65	.184	58.5	56.5		1 31.			35 h	08		-1	37	61.30		τ Octantis SP.
1.50	-01		24.81					1	***					1		59.46		7 Octantis SP.
7.77	-56	46	44.06	.186	58.0	55.3	52.8	1 28.	34					-0	44	15.65		o Octantis SP.
	-56	-	42.58					3 9.	30		0.440			100000		14.17		o Octantis SP.
3.5	73		48.50	.186	58.0	53.3		3 8.			111111111111111111111111111111111111111	1		10000		54.28 40.45	The second	12 Canum Ver Companion.
	93		55.26	.184	58.0	51.0										17.58		
6.03	20		53.25	The same of		1		25.	57					79	41	15.57	1533	Spica.
6.05	1		44.33	.184	58.0	51.0		1.	75					100000	700	42.83	1000000	
- 00	-1	38	2.25	.183	58.0	50.5			-					10000	-	52.83	100000000000000000000000000000000000000	
5.08		38	6.16					1.	67							48.92		
	-53	30	36.95	.182	57.5	50.3		1 19.	00					2	32	0.78		z Octantis R.
8.49	-53	30	34.03						02			1		2	32	3.70		z Octantis.
	21	- 100	27.06	.178	57.5	50.8	49.0	22.	EE.	0.34	20.905		8.90		5			b
	14		52.66 19.99	178	57 .5	49.5	49.0	19.	63		1				38	9.04	1681	α 2 Libræ.
7.47			20.87	.176	00.0	13.0		15.	45							33.07		γ° Libræ.
6.92			49.01	.178	58.0	49.5	5	6.	87						23		1760	γ Lupi R.
0.02	-0		49.24 27.54	176	59 (49.5		1							23	0.64 28.83	1760	γ Lupi.
1. 22	_0			30.151				4.				1				47.81		a Phœnicis R
7.55			58.38				1-	9.	52		1	1				48.85		Contraction of the Contraction
				30.143	60.0	64.0	58.0	1 29.	41	4.19				113	39	53.51		9
	100000	200	45.26	.143	60.0	64.0	58.0	0.	23					1000	-	11.26		
	1000	10000	33.42	.130	60.0	65.3	58.0									20.23 26.80		The second secon
8.32	10	40	7 74	100000	1			19.	15			+				29.86		Canopus.
6.16	17	25	53.82	.129	60.0	65.5	5	17.	82						30			
	100	140	52.56 43.67	1	58.	551.8	3	130 300								15.71		Sirius. o Octantis S.P
8.06	-56	46	41.14		1000	1		1 28.	79			1		-0	44	13.18		o Octantis SP
7.17			41.70		58.0	051.8	3	43.	49							31.56		
			40.95 54.63		58.0	51.8	3	25.			1					32.31 16.87		
5.11	-6	56	28.45	.138		0 52.8		MALE BOOK STATE	09					49	7	21.21	1570	v Centauri.
0.11	-0		31.81		10	150		1.	09			-		49		17.85		
6.48			4.01		58.0	52.5	1	1.	66							51.08 50.45		
6.36	21	18	26.10	.138	58.0	52.4	1 52.0	00	70		1			77	22	45.57	1624	λ Virginis R.
0.30	21		25.23					22.	100		1.00					44.70		
	-53	30	36.12 15.66			0 52.9		1 18.	61					2	32	2.02		z Octantis

Coincidence of Micrometer Wire with fixed Wire, =20°.160 June 8th, =20°.155 Telescope pointed North and South in succession taking the readings. One revolution =40".335 Correction for Runs =+2".90 Adopted Zenith Point to June 8th at noon, =326°.04'.07".03 From June 8th at noon, =326°.04'.06".79 Assumed Co-latitude =56°.03'.56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR			M	licrose	opes.			Micrometer	Correction	Co	ncluded	Jo .
and	No.	NAME OF STAR		1	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.		eading Circle.	Initials of Observer.
Day.	A.S.C	PLANET.	1 "			1	1	1	1	- Tony mount	or rime.	01	Circle.	niti bs(
			,	,	"	"		"	,	7. A. m. s.	, ,	0	, ,	-
2 8 June	1681	a ² Libræ	37 6	60.0	65.8	66.5	58.1	68.0	46.2		100000	344 3	8 1.06	T.M
-	1760	y Lupi M.R	43 4	5.2	52.0	46.0	48.2	35.8	43.4	18.415	+1 10.18			
	1760	γ Lupi	23 2	5.0	20.0	24.3	14.2	12.3	06.0			319 2	3 17.55	T.M
ç 9 June		⊙ N.L	10 5	1.0	112.8	104.3	62.7	133.9	45.0			23 1	1 25.09	T.M
		τ Oct. SP. M.R	44 6	8.4	49.8	91.3	17.7	89.5	34.8	$\begin{cases} 11 & 3 & 6 \\ 20.829 \end{cases}$	+0.34	203 4	4 32.21	T.M
		τ Octantis SP				51.5				11 05 06			3 39.54	
		o Oct. SP. M.R	50 7	1.9	54.1	93.2	22.1	92.8	40.0	{12 17 11 20,421	-10.73	202 5	0 51.82	T.M
		o Octantis SP				35.2				500 000		269 1	7 23.28	
		(a) ô Muscæ M.R				02.8						20 20 20 20	7 50.77	T.M
	1494	δ Muscæ ν Centauri M.R				30.1 53.6				100000000000000000000000000000000000000			0 25.63	1
100 100	1570	v Centauri				45.5				20.582			0 35.33 7 38.79	T.M T.M
	1604	θ Centauri M.R				26.5							2 11.30	T.M
D 12 June		τ Octantis SP				51.0							3 41.03	T.M
	1691	b N.L. M				$\frac{51.0}{64.8}$				19.400	+30.46		9 17.15	T.M
	1681 1816	a ² Libræ ρ Scorpii M.R				21.2				20.689	_91 54	344 3	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	T.M T.M
- 100	1816	ρ Scorpii				64.0				20.009	-21.04		5 55.36	T.M
1 1 1 1 1 1 1	1872	σ Scorpii M.R				25.0				19.675	+19.36			T.M
10000	1872	σ Scorpii	47 6	7.0	68.0	73.7	62.0	70.5	51.0			334 4		T.M
T.A. S.	1900	τ Scorpii M.R				20.5				20.220			0 37.08	T.M
400	1900	7 Scorpii				43.8							7 35.85	T.M
	1915	ε Scorpii				43.2 59.2							0 34.52	T.M
	1947	k Scorpii σ Octantis				60.8							6 49.34 5 49.26	T.M T.M
	2007	(b) λ Scorpii M.R				52.1				20.400	12 4790		6 44.50	T.M
	2007	λ Scorpii				36.5							1 28.66	T.M
	2016	β Draconis				103 0					-0.36	52 1	3 20.94	T.M
0.00	2071	γ Draconis								17 53 17.5			0 26.42	T.M
alley !	2101	β Telescopii	11 6 32 5			66.0							1 59.67 2 52.09	T.M T.M
13 June	1491	∂ Virginis M.R	51 49		7557		13350	012001	808000	23.030			1 51.81	T.M
	1491	∂ Virginis				88.0				20.000	10.00		6 19.53	T.M
	1506	g Virginis M.R				03.2				20.000			0 43.19	T.M
25 10	1506	g Virginis				34.8				4			7 30.01	T.M
	1545	D N. L.				17.8				00 155			3 15.84	T.M
100	1545 1545	74 Virginis M.R 74 Virginis	33 3							20.155			3 29.60 4 43.37	T.M
1000	1565	O Virginis M.R	44 39							19.537	+24.93			T.M
	1565	O Virginis	23 0									348 2		T.M.
14 June	100	⊙ N.L. M	32 3	4.6	90.0	78.0	41.6	108.8	19.8	22.520	-1 35.39	23 3	1 26.95	T.M.
		⊙ S.L	59 3									23 0	0 2.12	T.M.
		(c) D N. L	58 6							1 12		347 5		T.M.
	1624 182	λ Virginis Achernar M.R	19 50			$\frac{36.0}{71.0}$				99 699	-1 39.95		2 30.41	T.M.
The same	182	Achernar	56 6							22.000			6 59.62	T.M
15 June		O N. L	33 40	6.0	99.0	88.5	51.6	118.8	30.0	1000		23 3	4 12.73	T.M.
, Journa	111	(d) ♀'s center				66.3					-0.96		4 49.45	T.M.
	807	Canopus M. R	44 3	4.1	32.0	43.0	20.1	33.0	21.5	20.584	-17.30	164 4	4 13.39	T.M.
	807	Canopus	23 6	6.4	71.5	63.9	60.4	58.7	48.4	1		307 24	4 2.01	T.M.
		(2) (2)	Mol			st, Ju		th, +5	253.					
		(b) Ot	served	at th	ie 1st a	and 4th	Wire	5.						
			emulou											
E		(d) Ob	served	beyo	and th	e 5th V	Vire.			THE ASS				4

Sec. of appa-		rent	Zenith	Barom.	The	rmome	eter.					Microm.	9	Semi-	Georg		P. D. of		NAME OF STA
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	fraction.	Par	allax.	opposite Limb.		meter.		Cent		No. ASC	OF PLANET.
,	0	,		Inch.	0	0		,	ø	,	"	r	,	//	0	,	"		
6.47	-6	40		30.138 30.142					19.57						49	38 23 23	10.59 1.33 0.68		γ Lupi R.
	57			30.119	59.0	56.0	56.0	1	29.13		7.07	No. The	15	46.20	112	56	50.91		0
5.88	-57	40	25.42					,	30.97								59,64		7 Octantis SP.
	-57	40	27.25	.057		55.5		1	30.97								61.47		τ Octantis SP
7.55	-56	46	45.03	.060	59.0	55.3		1	27.96								16.24		o Octantis SP
	-36 -36	43 43	43.51 43.98 41.16		2443	56.0			43.02						19 19	19 19	14.72 29.75 32.57	1494	o Octantis SP õ Muscæ R. õ Muscæ.
7.06			28.54	30.075		56.4 56.8			7.02						49		21.19 21.73		
	-1		4.51						1.64						1 22		50.60		θ Centauri R.
	21	5	25.76 10.36 53.25		58.0	54.3 55.0 55.0	52.1		32.02 22.50 19.59		0.34	19.820		8.48	77		1.03 20.79 10.59	1681	τ Octantis SP. h α tibræ.
5.26	5	11	51.63 48.57			55.0			5.31						61	15	53.69	1816	ρ Scorpii R.
6.86	8	43	59.26 59.40	.323	58.5	55.5	52.5		8.95						64	48 48	4.96	1872	ρ Scorpii R. σ Scorpii R. σ Scorpii.
6.47	6	3	29.71 29.06	.323	58.0	55.3			6.19						62	7	32.65	1900	7 Scorpii R. 7 Scorpii.
	-0	3	32.27			55.3			0.06						56	0	24.42	1915	ε Scorpii.
	0 -55	18	42.55 17.53	.310	58.0	54.6		1	0.05						56	44	39.35 15.14		σ Octantis.
6.58	-3 -3		37.71 38.13	.309	58.0	54.0			3.11	100		1000			53		15.93 15.51		λ Scorpii R. λ Scorpii.
	86 85	9	14.15 19.63	.308	58.0	53.0 52.5													β Draconis. γ Draconis.
14 (1)	-2	52	7.12		58.0	53.0			2.93 0.53								46.70 41.52	2101	β Telescopii.
5.67				30.192	57.5	52.4			45.90			2.318							ð Virginis R.
6.60	24	3	12.74 23.60	.193	57.5	52.4			26.05						94	7	46.40	1506	Virginis. g Virginis R.
0.00	24 27		23.22 9.05	1000		1		1	31.00		21.44		15	23.98	80	21	51.38	1000000	g Virginis.
6.49			37.19 36.58	.193	57.5	52.4			31.69							35	5.63	1545	74 Virginis R. 74 Virginis.
6.22	22 22	19		30.195	57.5	52.4	51.0		23.95						78	23	23 62	1565	O Virginis R. O Virginis.
	0.00			30.277	58.5	57.5	53.0		30.51		7.10		15	45.80			54 52 00.18		0
19 19	21	54	55.33 56.65			52.4			28.74	21	6.44				77	22	23.87	101	0
7.76	21 -24 -24		23.62 9.11 7.17	30.376		52.4 52.0			22.87 26.30			ARRE	1		31	56	43.24 21.34 23.28		Archernar R.
3		30		30.377	58.0	57.0	54.0	1	31.08		7.10	15.000	15	45.70			40.97		0
	58	0	42.66		58.0	57.2		1	32.83	0.5	4.23			10.11	114	.06	08.01	807	Ç Canopus R.
7.70	-18	40	4.78		30.0	30.2	J U		19.60								32.37		Canopus.

Coincidence of Micrometer Wire with fixed Wire, =20°.155 One revolution =40°.335 Correction for Runs =+2°.90 Adopted Zenith Point =326°.04′.06°.79 Assumed Co-latitude =56°.03′.56°.75

Month	Sec. 1	NAME OF STAR		4	M	icrosc	opes.			Micrometer	Correction		cluded	Initials of Observer.
and	No.	OF DEATH		A	В	C	D	E	F	Molyneux.	fo Microm. or Time.		ding Circle.	tials
Day.	A.S.C.	PLANET.					-	-						OPP
Day.			,		"	0			-	r. h. m. s.	, ,	0 /	,	
15 June	1818	π Scorpii M.R	46	44 (69 1	97 (77 1	28.8	AA A	20.190	-1 61	137 46	46.44	T.M
15 June	1818	π Scorpii						34.8			-1.01			T.M
	1885	Antares M.R						42.1			-49.17			T.M
	1885	Antares						65.6				333 56		T.M
	1915	ε Scorpii						35.3					34.25	T.M
12 13 10 10	1947	k Scorpii						50.5					6 49.86	T.M
THE LOCAL PROPERTY.		σ Octantis								17 11 00	+0.13	270 4	5 48.18	T.M
16 June	1572	μ Centauri M.R	47	52.	555.6	47.5	58.3	35.3	54.7	20.282	-5.12		45.53	
	1570	(a) v Centauri	7	46.5	2 41.4	151.5	2 30.0	37.6	23.2			319 0	7 39.46	T.M
		(b) h's center						343.2					38.71	T.M
	1705	Scorpii M.R						3 10.5			-3.83	1	38.07	T.M
	1705	Scorpii						37.2					1 34.54	100000
	1731	15 Lupi M.R						5 18.0			-43.77		0.33	T.M
	1731	15 Lupi						0 15.8					7 13.92	T.M
		(c) γ Lupi M.R						6 29.2			-4 50.29			
	1760	γ Lupi	22	81.	2 15.3	3 26.	8 04.	5 14.0	57.0	00 000			3 14.84	
	1800	b Scorpii M.R						8 59.3			-4.04		3 26.43	
	1800	b Scorpii	44	47.	2 51.	3 52 .	2 46.	8 51.0	34.6				4 48.16	
	1823	(e) 8 Scorpii					200			15 51 00		337	0 50 00	T.M
		D N. L						1 62.6				337 2	8 58.36	T.M
	1885	Antares M.R						4 01 . 4			-20.17	138 1	2 12.11	T.M
	1885	Antares	55	61.	2 63.	0 67.	0 59.	8 63.0	48.0)		333 3	6 0.97	T.N
17 June	1542	δ Centauri M.R	41					2 27.8			-20.7	150 4		100000
	1542	d Centauri						7 70.				321 2		120020
	1570	v Centauri M.R						1 24.			-6.29		0 35.47	20121
	1570	v Centauri	7	44.	0 41.	051.	0 28.	5 38.	20.5	14 16 10		T-100/01 00	7 37.76	10000
	2010	z Octantis	50	00.	0 41.	2 50.	8 53.	7 48.	0 58.1	14 16 12			3 28.23 8 25.55	
	1646	γ Bootis						3 118.5			01 6		2 20.72	
	1001	b N.L. M	12					9 48.			-21.0		7 59.29	
	1681	a ² Libræ	37					261.			0 00		6 38.95	
	1705	Scorpii M.R						0 14. 5 35.			-0.3		1 31.42	100000
	1705	Scorpii γ Lupi M.R	44					4 23.			15 1		4 57.32	
	1760	γ Lupi						3 16.			710.1		3 16.47	
	1835	θ Lupi M.R	90	51	0 64	0 20.	0 79	6 35.	5 60	20.94	31.6		9 22.42	
	1835	θ Lupi	35	54	0.58	0 69	0 45	354.	7 34	0	-01.0		8 51.91	
	1885			39	5 59	7 14	271	8 09.	4 56	19.33	+30 9		2 11.22	
	1885			60	6 63	986	4 50	4 63.	5 48	0	700.3		6 0.94	
	1905		4	82.	8 70.	8 65	5 66	8 89.	0 56	7		42 4	2 12.14	T.N
	1913		10	43.	195	4 86	2 32	3 115.	2 19	Ó		39 1		
	1010	D S.L	2	7 69	1 70	474	0 64	8 69.	1 53	2	1	333 2		0.000
	137	σ Octantis						5 68.				100000000000000000000000000000000000000	5 47.41	
	1986							3 68.			7 100000	335 1		and the second
	2039			4 51	1 67	3 28	283	4 24.	0 66.	2 21.55	8 -56.5	9 139 5	3 56.68	
	2039		1	4 16	2 18.	7 19	8 13.	7 17.	5 02.	8			4 15.76	
19 June	699	α Columbæ	5	0 30	.9 28.	6 35.	0 19	8 25.	7 10.	0	1-1970	325	50 25.04	T.1
20 June		⊙ N.L. M	4	1 43	.2 96.	2 79	8 53	5 111.	7 32.	6 20.45	0 -12.1	0 23	11 57.48	T.1
	1	⊙ S. L		9.63	.8 120	.0 101	.874.	0133	.754.	5	1	- No. of the last	10 31.22	600 Septem
	807	Canopus	2	3 67	.8 70.	4 69	.854.	.964.	0.44.	7	1-1111111111111111111111111111111111111	307 5	24 2.32	T.1

Molyneux fast, June 16th, 27s.-17th, 27s.

 ⁽a) ν Centauri observed instead of μ, by accident.
 (b) Leaving the field. A bad Observation.
 (c) Observed at the 4th Wire by reflexion, the Star leaving the field at the direct Observation.

⁽e) & Scorpii was occulted this evening. The difference in declination at the Moon's Transit, exceeded the range of the Micrometer.

Sec. of appa- rent		rent	Zenith		100	ern	nome	eter.					Microm.	S	emi-	Geo	c. S.	P. D. of		NAME OF STA
Zenith Point.			nce.	Barom.	Attach.		Out.	Wet. Bulb.	Ref	raction.	Par	allax.	opposite Limb.	dia	meter.	1	Cent		No. ASC	or PLANET.
"	0	,	"	Inch.	0		0	0	-	"	,	"	r	,	"	0	,	"		PLANEI.
8.02	8	17	20.35	30.358	57.	05	3.2			0 54						64	21	25.64	1818	π Scorpii R.
0.02	8		22.81							8.54										π Scorpii.
8.02			51.98 54.43	.358	57.	0 5	3.2			8.09								56.82 59.27		
	-0		32.54	.358	57	0 5	3.2			0.06						56		24.15		
	0	2	43.07	.357	57.	05	3.3			0.05						56	6	39.87		
	-55	18	18.61	.350	57.	05	3.5		1	24.36		Bit et				0	44	13.78		σ Octantis.
				30.276	56.	55	0.5	01 3		7.97						1000		10.04		
	21		27.33	.281	56	55	0 0		100	7.15		0.34				49		51.04	1570	v Centauri.
C 01	0		28.72					48.0			30	0.04				65			1705	Scorpii R.
6.31	9		27.75	2000						9.62							21	34.12	1705	Scorpii.
7.13	4		6.46 7.13	.281	56.	55	0.0	47.0		4.51	190						27	7.72		
	B		50.07	.281	56	54	9 6				100		8-191				27	8.39 59.79		
5.85			51.95	.201	00.	1	0.0			6.89						49	22	57.91	1760	7 Lupi.
7.30			40.36	.278	56.	55	0.0			8.98										b Scorpii R.
1.00	8	40	41.37	1800						0.50						64	44	47.10		
	11	24	51.57	.278	56.	5 5	0.0	47.8		11 87	11	31.48		16	7.8	1 67	1	20.90	1020	δ Scorpii.
0 51	7			30.278								01.40						59.54	1885	*
6.54	7	51	54.18							8.11			1939			63	55	59.04	1885	Antares.
5.84				30.195	57.	0 5	0.8	48.8		4.74						51		56.90		
0.04	-4		57.01	200		0 -				4.74	911					51		55.00		
6.62			28.68 29.03	.200	57.	0 5	0.1			7.14			200	93		49		20.93 20.58		
			38.56	.203	57.	0 5	0.0		1	19.13						2		59.06	10,0	z Octantis.
			18.76	1			2000		3	8.38						129		23.89	1646	
	21		13.93 52.50	.204						22.77		0.34	21.084		7.9			25.20 9.05	1001	b o Tiber
100000	0		27.84	.205						19.80							38	34.22		
5.19			24.63	.200		-	0.0			9.63								31.01		
6.90			50.53	.205	57.	04	8.2	49.0		6.90			0.00					59.32		
0.00	-6		50 32 15.63	000	56	0 =	0 =	50 0		0.50	1							59.53 38.66		
7.17			14.88	.209	30.	00	0.1	53.7		2.46						53		39.41		
6 00	7	51	55.57	.209	56.	0 5	4.0			9.04						63	55	60.36	1885	Antares R.
6.08	1		54.15		land the same					8.04			100							Antares.
			5.35 58.52	.212	56.	05	3.6			9.70										σ Herculis. η Herculis.
			0.28	.212					0			31.60		16	19.7			52.71	1913	D Tiercuis.
	-55	18	19.38	.212					1	23.92			1000			0	44	13.45		σ Octantis.
			58.32	.212						9.33			1					4.40		
6.22			8.97	30.212	50.	25	4.5			6.29								13.15		p Sagittarii R. p Sagittarii.
					-															
	-0	13	40.82	29.990	60.	0 6	1.5		-	0.22						55	50	15.71	699	a Columbæ,
				29.990	60.	0 6	1.5	58.4				7.11		15	45.4			25.44		0
			25.36	20 000	60	0	7 0	FC .	1	27.80		7.06			10.4	1110		28.25	807	O Canopus.
	-10	40	03.04	29.988	00.	0	1.8	58.8	5	19.23	1					01	40	00.90	007	Canopus.

Coincidence of Micrometer Wire with fixed Wire, =20°.155 One revolution =40".335 Correction for Runs = +2".90

Adopted Zenith Point to June 19th at Noon, =326°.04'.06".79 From June 19th, at Noon, =326°.04'.05".86

Assumed Co-latitude =56°.03'.56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR		M	icrose	opes.			Micrometer			cluded	Initials of
and	No	or.	A	В	C	D	E	F	or Time by Molyneux.	for Microm, or Time.		ding Circle.	ials
Day.	A.S.C.	PLANET.											Tigo
			1 11	11	"	"	"	"	h. m. s.	, ,,		, ,,	
20 June	838	Sirius M.R	38 45.8							-34.08			T.B
	838	Sirius	29 60.0	10000	10000			100000	3.60		343 30		9 1999
23 June	699 734	a Columbae a Orionis M.R	50 27.2							0.00		25.01	
	734	a Orionis	46 36.3							+6.98		33.02	
24 June		⊙ S.L. M	8 57.3	108.0	92.7	64.1	121.4	46.2	20.356	-8.19		13.69	
	838	⊙ N.L Sirius M.R	40 13.0 38 46.1	53.2	14.0	71.4	13.0	58 1	20.982	-33.44		39.34	
0.00	838	Sirius	29 60.2	66.0	63.0	62.5	66.2	49.2		-00.44	343 30		No. of Concession, Name of Street, or other Concession, Name of Street, Original Concession, Origina Concession, Origina C
	1533	♀ N.L Spica M.R	46 52.8							.05.10		22.04	1.000
	1533	Spica	26 36.2 40 59.2						19.281	+35.17	349 41		
1 100	1572	μ Centauri M.R	47 43.2	57.0	38.7	60.4	31.0	50.3	20.173	-0.81	153 47	45.96	T.I
-	1572 1623	μCentauri λ Bootis	20 32.8	31.0	37.0	19.0	27.0	10.8			318 20	26.58	T.I
	1639	θ Bootis	44 41.0 24 5.2	50.0								0.40	
35.8	1646	γ Bootis	57 70.2	124.0	110.0	61.8	140.6	48.0	100.00			32.77	T.1
	1691	φ N.L. M (a) α ² Libræ	15 52.0						20.808	-26.42			
	1708	β Bootis	37 60.2 58 29.5	82.3	71.0	20.2	100.2	7.0		+0.07		59.70 52.07	
10.1	1760	γ Lupi M.R	44 37.0	48.3	30.0	52.0	22.1	44.8	19.714		152 44	56.46	T.1
	1760	γ Lupi	23 22.8	16.1	27.7	06.3	14.4	59.0				15.01	
37 60	2689	Companion M	49 42.0	39.5	40.8	32.0	37.5	23.7	20.894	-29.89		37.11	100000
	2741	Fomalhaut M.R	37 44.4						21.509	-54.69	142 36	55.99	T.M
	2741	Fomalhaut	31 17.3						23 00 02		329 31	17.15 32.11	T.M
130	2779	y App. Sculp	35 19.5						25 00 02			17.51	
	2841	n Piscium M.R	48 37.0	39.1	02.1	51.4	02.0	43.1	19.123	+1.21	115 48	30.62	T.N
100	2841	n Piscium	19 33.5 3 48.7						20.384			39.87	T.A
188	2870	r Piscium	4 33.0						20.304	-9.02	353 04	36.80	T.N
		(b) D N.L	46 11.4	28.9	18.0	22.2	27.5	13.0		12.86	359 46	7.40	T.N
	103	m Ceti M ε Piscium M.R	58 39.0 7 30.8						21.524	-55.30			T.A
2 7 9	103	ε Piscium	59 50.8						18.891	+50.90	7 00		
	161	y Phœnicis M.R	17 43.6	45.8	38.5	51.1	29.6	47.8	21.523	-55.26		47.44	T.M
	161	γ Phœnicis α Columbæ	51 30.1 50 30.8	31.4	34.8	16.6	23.6	07.0				24.35	
30	734	a Orionis M.R	45 54.9	47.7	19.5	54.0	18.5	52.8	18.910				
	734	α Orionis	21 22.9	57.0	40.0	39.0	59.0	23.7				40.33	
25 June		O N.L. M	39 41.1						21.261	-44.69			
	838	⊙ S.L Sirius M.R	7 31.9 38 54.0	61.0	21 9	78 6	97.0	65.0	21.174	_41 89		57.75	100000
	838	Sirius	29 61.0	65.1	63.5	61.0	65.7	48.8	~			1.67	100 0
		D N.L. M.R	The second second						19.090	\ \ \ -8.51 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	105 44	44.06	T.N
		(c) D N.L	23 22.0							-8.51	6 23	25.74	T.N
26 June		z Octantis M.R	35 27.8	06.8	42 7	45 8	38 3	01.2	20.884	-29.48	199 34	47 65	TA
	(All all	z Octantis	33 32.1	37.0	46.6	49.8	44.1	55.0			272 33	24.43	T.N
	1681	b N.L. M α² Libræ	17 47.1	54.6	50.0	51.5	55.2	43.5	22.674				
	1001	u-Libra	37 00.0	03.0	01.8	00.00	02.0	49.0			344 37	59.69	11.10

 ⁽a) Observed at the 4th Wire.
 (b) Observed at the 5th Wire, 48th, past the Meridian.
 (c) Observed at 33th. before Transit by reflexion, and the same distance past the Meridian, by direct vision.

Sec. of appa-	Apparent Z	enith -	188	ermom	eter.	200		-		Microm for		Sem	-	George		P. D. o		NAME OF T
rent Zenith Point.	Distance		Attach.	Out.	Wet Bulb.	Refra	ction.	Paral	llax.	opposite		ame				ter.	No.	NAME OF ST
,	0 / 8	Inch		0	0	,	,	,		r	,	"		0	,	,		PLANET.
5.54	17 25 55 17 25 55	.94 29.98 .29	88 60.0	61.8	58.8	1	7.87					M			30	10.56	838 838	Control of the same
5.52	-0 13 40 41 17 32 41 17 32	.84 30.27					0.23							97	22	15.67 20.25 19.56		a Orionis R.
	57 05 07	.83 30.27	2 58.0	59.6	55.2				.06		15	45	90	113	26	11.62	104	0
5.61	57 36 33 17 25 56	.65 .26	6 58.5	60.2	56.0		0.67	7	.10		10	10	. 20	73	30	08,60 11.49	1000000000	The second secon
0.01	17 25 56 57 43 16	.18 .26	0 59.0			1 30		4	.26	20.370		4	.38	113	48	10.98 35.11	838	2
5.21	23 36 56. 23 36 55.	.62	1 58.7			23	5.37							79	41	19.04 17.74	1533	Spica.
6.27	-7 43 40. -7 43 39.	.28	5 58.6				7.87							48 48	20	9.60	1572	μ Centauri.
	80 40 54. 86 20 15.	.88 .29	$0.58.5 \\ 0.58.5$		54.0		9.30							136	50	30.59	1623 1639	θ Bootis.
18	72 54 26. 21 11 23.		5 58.5 5 58.5			25	5.34	0	.33			7.			15	30.00 34.58		γ Bootis.
	18 33 53. 74 54 46.	.84 .29	6 58.5 8 58.5	57.1		3 31	1.83							131	2	10.08 14.79	1708	a ² Libræ. β Bootis.
5.74	-6 40 50. -6 40 50.	.60 .29	8 58.5				6.80		1		1			49 49	22	59.35 59.10	1760	γ Lupi R. γ Lupi.
	0 45 31. 0 45 01.	.25 .23	6 57.5	56.2			0.78							56	49	28.78 58.87	2689	β Piscis Austra
6.57	3 27 09. 3 27 11.	87 .23	5 57.5	56.2			3.50							59	31	10.12 11.54	2741	
-	-54 24 33. 0 31 11.	75 .23	4 57.5 4 57.5			1 20	.87								38	2.13 8.92		τ Octantis. γ App. Sculp.
	30 15 35. 30 15 34.	24 .23	157.5				3.83							86 86	20	5.82 4.59	2841	n Piscium R.
5 80	27 00 30. 27 00 30.	88 .23	157.5	56.2		29	.56							83	4	57.19 57.25	2870	r Piscium R.
	33 42 01. 31 53 46.	54 .24	57.5				.72 3	2 12	.10		15	54.	10	88	58	30.81		D m Ceti.
6 00	40 55 58. 40 55 58.	33 .240	57.0				.37							97	0	45.45	103	ε Piscium R. ε Piscium,
5 00-	-10 12 41. -10 12 41.	58 .240	57.0	55.2		10	.47							45	51	4.70	161	γ Phœnicis R. γ Phœnicis.
	-0 13 39.	79	50.0	60.0	50 0		.23						1	55	50	4.77 16.73 21.27	699	α Columbæ.
5.94	41 17 34. 41 17 34.	47	09.0	03.00	0.0	50	.20							-		21.42		α Orionis R. α Orionis.
	57 35 15.5 57 03 51.		60.0	63.8	58.5	1 29 1 27			.10		15	45.	711			49.42		0
	17 25 58. 17 25 55.	47 .179	60.0	63.8	58.8		.91	-	.06					73	30	54.68 13.13 10.47	838 838	Sirius R. Sirius.
	40 19 21.	State of the State	57.0	49.6	18.6	49	.743	7 07	87							18 05	000	D D
	40 19 19.	100			-	43	1		1		15	42.	37	95	31	16.13	-	D
6.04	53 30 41. 53 30 41.	79 30.229	58.0	54.55	53.3	1 18	.50			344			-			56.46 56.82		z Octantis R.
	21 12 03.		58.0	54.8		22	.55	0.	.33 2	3.064		7.	87			14.15	beer la	h a ² Libræ.

Coincidence of Micrometer Wire with fixed Wire, June 24th, =20r.153 One revolution =40°.335 Correction for Runs =+2°.90 Adopted Zenith Point =326°. 04′. 05°.86 Assumed Co-latitude =56°. 03′. 56″.75

Month	San Line	NAME OF STAR			D	Iicros	copes.			Micrometer			Concluded	Initials of Observer.
and	No.	OF STATE		A	В	C	D	E	F	or Time by Molyneux.	for Microm.		reading of Circle.	inls
Day.	A.S.C.	PLANET.			-	-	-	-				1		Obs
77.4			,	#	"	0	"	11	"	h. m. s.	1 11	0		
00 T	1500	(a) C Postic M	50	20.0	0.5	0.70	E 04	7 102 /	125.1		1.00 4	40	50 40 66	TM
26 June	1708	(a) β Bootis M f Lupi M.R					5 24.3 3 71.3				-1 08.45 -41.26			T.M T.M
	1731	f Lupi					0 06.				-11.20		27 11.20	T.M
	1760	y Lupi M.R					6 45.				+1 24.99			T.M
-0.00	1760	γ Lupi					2 05.				1		23 15.24	T.M
		(b) A Scorpii M.R	58	54.5	60.	9 25.	2 86.	0 19.8	18.0	20.684	-21.49	136	58 22.39	T.M
	1806	A Scorpii					0 41.					335	9 42.15	T.M
	1885	Antares M.R					0 64.				-20.4		12 16.29	T.M
	1885	Antares					9 59.					100000	55 59.33	1 mm
	1915	ε Scorpii					6 27.						00 32.42	1000
	2007	σ Octantis λ Scorpii M.R					2 58.			17 08 10	17 81		45 43.84 06 44.95	
	2007	λ Scorpii					8 18.				77.0		01 26.23	1000 000
1111	2043	, Telescopii M.R					8 68.				-39.7			200 200
	2043	7 Telescopii					4 57.					323		1000
	2071	γ Draconis					6 60.				100000		20 32.80	
100	2110	€ Sagittarii	32	54.8	8 54.	8 61.	0 45.	0 53.	5 34.3		1000000		32 50.85	
- 10	166	η Piscium M.R					8 36.			22.74	-1 44.4			
	166	η Piscium	28	58.	4 97.	984.	9 70.	7 108.	0 56.7				29 19.55	T.M
		D N.L. M.R	31	46.	5 42.	1 20.	5 38.	4 19.	7 36.0	18.44	\[\{ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	99	32 31.89	T.M
		(c) D N.L	1000				0 35.	120						4 1/1/33
	734	a Orionis M.R					2 90.				+11.6	6 104	35 32.33 46 30.62	
	734	a Orionis	21	26.	151.	040	4 35.	4 54	3 26	19.00	411.0		21 38.99	
	101		1					1011	20.				Incress and	
\$ 27 June		⊙ S.L. M					7 62.				2 -20.5	7 23	03 56.04	T.M
		⊙ N.L	34	59.	0 113	.093	271.	1 123.	2 52.	0			35 25.64	
		♀ N.L					.0 26.				10000		28 41.66	1000 000
	1575	η Ursae Majoris	1000				7 06.				54.4		59 40.12 45 39.17	
	1624 1624	λ Virginis M.R λ Virginis					.360. .830.				2 -04.4		22 30.79	
	1024	z Octantis					.5 48.				1	1000000	33 26.15	-
	1646	γ Bootis					.000.						58 29.70	
		12 N.L. M	10000				.1 47.				2 -2 22.3		16 24.55	
	1681	α ² Libræ M.R	30				.0 66.						30 10.88	
	1681	a 2 Libræ	37	59.	4 63.	161	.4 59.	8 61.	8 49.	4			37 59.77	
	1708	β Bootis	58				.8 18.						58 51.52	
	1836	β¹ Scorpii M.R					.4 64.				4 +7.6		29 41.98	
	1836 1885	Antores M. P.	10	29.	0 57	1 00	.7 26.	9 30.	8 18.	0 00 00	1 00 0		38 28.57 12 12.68	
	1885	Antares M.R	55	50	9 60	4 60	.3 76.	7 60	9 01.	20.97	-00.0	333	55 58.90	TA
	1905						.2 07.				12000		42 40.63	
	1915	44					.5 25.						00 31.47	
	1	(d) σ Octantis					.8 13.				1000	2000	45 45.97	- Comp. 100
		(e) Planetary Nebula								3 18 01 13			06 52.48	
		(f) D N.L	6	48.	0 94	.0,77	.4 59.	2 104	5 42.	4	1000	18	07 11.13	T.M
§ 28 June		σ Octantis M.R	22	59.	5 35	.072	.2 12.	971	5 32	4 20.61	6 -18.6	9 201	22 28.83	T.N
	Surse	σ Octantis								0 17 10 00		270	45 43.02	T.N
	2043		7	49.	1 69	.953	.574.	0 42.	4 58.	2 21.39			07 8.09	
	2043	γ Telescopii	0	67.	269	.872	.0 62.	4 64.	8 50.	0		323	01 4.69	T.N
1, 1 July	1000	⊙ N.L. M	22	45.	297	.086	.2 51.	8 116	0 32	0 21.00	0 -34.1	6 23	22 37.32	T.N
	100	⊙ S.L					.0 54					10000	51 13.83	
	1580						.8 35.				10000	328	52 37.02	T.N
	1580	Companion M								. 20.55	2 -16.0	9 328	52 20.93	T.N
				Mol	yneux	x fast.	June	27th,	30°.					
		vation. Observed an interva				th	1	(d) T		ars have beco		Early	y in the ever	ing
	wire.	Correction for Curvature of	path	-0.9	10		19 11	-	they	were well de	fined. a discovered			

added, the horizontal point accords: it is left out.

(c) Observed at the 1st and 5th Wires.

HERSCHEL. It is very faint. The Mural C does not possess sufficient optical power for it.

(f) Very indistinct. Seen through a cloud.

Sec. of	Appar	ent	Zenith	Barom.		rmome	ter.					Microm.	Se	emi-		Geoc.	S. I	. D. of		NAME OF STA
rent Zenith Point.	Di	stan	ce.	Barom.	Attach.	Out.	Wet Bulb.	Ret	raction.	Par	rallax.	opposite Limb.	dia	mete	r.		Cente	T.	No. ASC	or PLANET.
"	0	,	//	Inch.	0	0	•	,	,,	,	"	r	,	"		0	,	ø		PHANEI
	74 8	54	42.80	30.229	58.0	54.5		3	32.38					n les		131	2	11.93	1708	β Bootis.
5.93			05.21 05.34	.229	58.0	54.5			4.46							60 60		6.42 6.55		f Lupi R. f Lupi.
6.17	-6	40	51.23	.229	58.0	54.2			6.82							49	22	58.70	1760	γ Lupi R.
			50.62 43.47	.229	58.0	54.0			20800							49 65				γ Lupi. A Scorpii R.
(2.27)			36.29 49.57	000	50 A	E4 0			9.32							65	9	42.36	1806	A Scorpii. Antares R.
7.81			53.47	.229	38.0	54.0	52.8		8.05								55	58.27	1885	Antares.
			33.44 22.02			54.0		,	0.06							56		23.25 11.10	1915	ε Scorpii. σ Octantis.
			39.09			55.8		1	23.63			000				53			2007	λ Scorpii R.
5.59			39.63			1			3.09							53	1	14.03	2007	λ Scorpii.
6.13			01.64	.225	57.5	55.5			3.09							53				γ Telescopii R. γ Telescopii.
	85	16	26.94	.224	57.5	55.8	53.6												2071	y Draconis.
Paris of			15.01 13.60			55.8			0.53							55	32	41.21 16.75	2110	ε Sagittarii. η Piscium R.
5.91			13.69	.100	37.0	40.2		1	6.40									16.84		
		31	33.97	.148	54.5	46.3										101	39	48.71		DR.
(2.11)	40		26.47		1			1	02.13	41	12.29		15	31.	.85	101	39	41.21		D
4.81	41	17	35.24	30.155	58.5	60.0			50.40							97	22	22.39 20.28		
	56	59	50.18	30.147	59.2	60.9	58.0	1	28.00		7.05		15	45	10			52.97		0
	57	31	19.78 35.80	Barrie II	1			1	29.78		7.08			45		I A A C		54.11		0
	00000		34.26			61.2		8	29.30 21.78		4.20	20.343		3	.80	140		53.76 52.79		The state of the s
4.98			26.69	.057		50.4)	22.74								22	46.18	1624	λ Virginis R.
2.00	W.L		24.93 39.71		58.6	50.6		1	18.64			1				77		44.42 58.40		λ Virginis, z Octantis
	72	54	23.84	.053	58.5	50.8	3		7.15				-			129	1	27.74	The same of the same of	γ Bootis.
			18.69 54.98			50.8			22.59		0.33	24.078	3	7	.99	77	16	29.71 11.29	1681	b a 2 Libræ R.
5.33			53.91		,00.0	30.0		1	19.56									10.22		α 2 Libræ.
	1 5 5		45.66	.040	58.5	50.5	2	3	32.92			1333				131		15.33 35.78		
5.28			23.88 22.71	.037	58.0	50.4	1		15.15				1			70		34.61		
5.78	7	51	53.21	.034	1 56.	5 49.0	47.	8	8.07			B. Bell					55	58.03	1885	Antares R.
0.70			53.04	30.03	56	5 48 5	3	1	1.55				10							Antares. σ Herculis.
	-0	03	34.39		1			1	0.06							56	0	22.30	1915	ε Scorpii.
1			19.89	30.03	2 56.	5 47 .0	0	1	24.54			1	-					12.32		σ Octantis. Planetary Neb
				29.95	5 56	5 49.	8	1	0.05	4000	18.18	3	15	21	.50	56 107		36.79		D D
5.93	-55	18	22.97	29.90				,	23.53			1	-					10.25		σOctantis R.
0.90	-55	18	22.84	29.89				1	20.00							53		10.38 51.50		σ Octantis. γ Telescopii R
6.3	3	03	01.17	29.89	008.	0 30 .	9		3.09	1			-			53		52.49		
				30.37	8 55.	0 52.	8 52.		31.18		7.0		15	45	.00	113				0
			08.64	30.44	9.55	5.46	5	1	29.38		7.0	4	1	10		IIIO		12.73		h Centauri.
1	2	48	15.74	1	000	10.			2.3	1		1								Companion M

Coincidence of Micrometer Wire with fixed Wire, =20°,153 One revolution =40".335 Correction for Runs =+2".90

Adopted Zenith Point =326°.04'.05".86 to July 1st at noon. From July 1st, at noon, =326°.04'.05".19

Assumed Co-latitude =56°.03'.56".75

No. A.S. C. 1644 1644 1774 1774	NAME OF STAR or PLANET. z Octantis η Centauri M.R (a) η Centauri	33	A "	В		C	D	E	F		or Time by Molyneux.	for Microm. or Time.		ading Circle.	Initials of
1644 1644 1774	PLANET. z Octantis η Centauri M.R	33	,					-	1		200 100 000				Dit.
1644 1774	η Centauri M.R	33				11				_					120
1644 1774	η Centauri M.R		24 (17	"	"		h. m. s.	' "	0	1 11	
1644 1774	η Centauri M.R			41	2	14 1	50 8	42	0.03	3	14 16 01	300000	270 3	3 27.73	T.N
1774	(a) n Centanri.	OF	34.2								20.315	-6.53		4 26.77	1000000
	(w) 4 communitions		43.4											3 41.78	
	ь N.L		06.8											7 9.03	
1 / / 12	40 Libræ M.R		38.6								20.550			2 31.61	
807	40 Libræ Canopus M. R		42.0								20.712			540.28 47.65	1 100
											20.712				
838											20.875				100000
838	Sirius														-
	⊙ S. L. M	47	38.5	89.	6 7	5.0	44.0	106.	25.	2	21.680	-1 01.59	22 4	7 1.61	T.N
1500	⊙ N. L														T.N
											20.994	-34.92			
		55	57.5	60.	26	3.0	57.0	60.3	44.	6			333 5	5 57.73	T.N
	ONL	57	12.2	65.	24	9.4	18.3	78.8	01.	0		Mills.	22 5	7 37.02	T.N
	(a) ⊙ S. L	25	45.5	104.	.0 8	1.4	54.2	112.9	34.	6	14484	reference of	22 2	5 11.98	T.D
1681	a 2 Libræ M.R	30	40.8	55.	20	9.4	71.8	08.6	55.	4	28.892	-29.81	127 3	0 10.13	T.N
1681	a ² Libræ											The state of	344 3	7 58.32	T.N
	ν¹ Libræ M.R										20.482				
											00 005				100000
											20.925				1000
		1212			238						20.748				T.N
1885	Antares										20.7.10				1 mm
1905	σ Herculis												42 4	2 41.36	T.N
1915	ε Scorpii														
2071											17 09 30				T.N
2110											1000	DE VE			
	b N.L. M	17	34 9	49	02	8 1	39 4	49 5	31	5	20 480	_13 10	347 1	7 23 31	T.N
1681															
1681		37	58.4	61.	55	9.2	58.8	59.4	49.	2	and and				
											20.240				
											10 425	20.00	332 2	1 23.08	T.N
											19.435	+28.96	224 4	1 45 95	T. N
	β¹ Scorpii M.R	29	43.1	56	31	5.6	73 7	12.8	58	3	20.240	-3 51	131 2	39.83	T.N
1836	β¹ Scorpii	38	26.5	30.	03	0.1	26.8	30.1	15.	5	20.210				
	Companion M										19.867				
7	(e) DN. L	19	24.9	43.	82	9.2	37.2	41.4	30.	0	Barrier .	17 201-1-1	2 19	34.84	T.N
1465	γ Virginis	25	57.0	74.	46	0.8	69.5	70.3	58.	8	10000				
1488	ψ Virginis	20	18.0	26.	01	8.0	23.2	23.7	15.	0					
1534	7 Octobris M. P.	20	12.0	54.	54	3.0	55.8	66.0	46.	7	10 745	120 40			
1111		33	98 9	34	0.4	4.8	44 2	48.4	19.	8	19.745				1000
	b N. L. M	17	35.8	48	04	0.0	44.8	47 6	33	4	20.674				
1681	α 2 Libræ M.R	30	44.0	61.	01	5.0	74.0	15.1	57.	0	21.009	-34.53	127 30	9.56	T.N
1681	α ² Libræ	37	58.2	62.	15	9.8	59.8	60.7	49.	0	The same of				
	807 838 838 1885 1885 1681 1711 1711 1711 1835 1885 1905 1915 2071 2110 1681 1768 1768 1800 1836 1836 1836	Solution Sirius Sirius M.R.	807 (b) Canopus. 24 Sirius M.R. 38 Sirius 29	807 (b) Canopus. 24 09.0 Sirius M.R. 38 36.2 Sirius M.R. 39 36.2 Sirius 29 61.4 ② S. L. M. 47 38.5 ③ N. L. 17 58.8 Antares M.R. 12 41.5 Antares M.R. 12 41.5 Antares M.R. 30 40.8 1681 α² Libræ M.R. 30 40.8 1681 α² Libræ M.R. 45 59.0 1711 γ¹ Libræ M.R. 45 59.0 1835 θ Lupi M.R. 29 48.0 1835 θ Lupi M.R. 29 48.0 1835 θ Lupi M.R. 29 48.0 1835 Antares M.R. 12 35.4 Antares M.R. 12 35.4 Antares M.R. 12 35.4 Antares M.R. 22 32.7 σ Octantis M.R. 22 32.7 σ Octantis M.R. 22 32.7 σ Octantis M.R. 22 32.7 σ Octantis M.R. 30 43.0 1681 α² Libræ M.R. 30 43.0 1680 δ Scorpii M.R. 22 55.0 1800 δ Scorpii M.R. 29 43.1 1836 β¹ Scorpii M.R. 30 44.0 1837 β¹ Scorpii M.R. 30 44.0 1838 β¹ Scorpii M.R. 30 44.0 1839 β¹ Scorpii M.R. 30 44.0 1830 β² Libræ M.R. 30 44.0 1830 β² Libræ M.R. 30 44.0 1830 β² Libræ M.R. 30 44.0 1831 β² Libræ M.R. 30 44.0 1832 β² Libræ M.R. 30 44.0 1833 β¹ Scorpii M.R. 30 44.0 1834 β² Libræ M.R. 30 44.0 1836 β² Libræ M.R. 30 44.0 1837 β² Libræ M.R. 30 44.0 1838 β² Libræ M.R. 30 44.0 1838 β² Libræ M.R. 30 44.0 1839 β² Libræ M.R. 30 44.0 1830 β² Libr	Sor Sirius M.R. 38 36.2 50.	Sor Sirius M.R. 38 36.2 50.5 6	Sor Sirius M.R. 38 36.2 50.5 66.2	Sor Sirius M.R. 38 36.2 50.5 06.2 67.4	Sor Sirius M.R. 38 36.2 50.5 60.2 67.4 03.6	Sorius M.R. 38 36.2 50.5 06.2 67.4 03.0 50.	Sor Sirius M.R. 38 36.250.5 60.2 67.4 03.0 50.0	Solution Solution	807 (b) Canopus. 24 09.0 15.3 08.5 01.8 03.3 48.4 Sirius M.R. 38 36.2 50.5 06.2 67.4 03.0 50.0 0 S. L. M. 47 38.5 89.6 675.0 44.0 106.4 25.2 0 N. L. 17 58.8 10.8 96.4 65.9 126.8 47.9 Antares M.R. 12 41.5 60.2 18.0 77.2 17.0 58.8 1885 1885 17.5 17.5 18.0 18.0 17.5 18.0 17.5 18.0 0 N. L. 57 12.2 65.2 49.4 18.3 78.8 01.0 0 S. L. 55 57.5 104.0 81.4 54.2 112.9 34.6 1681 a^2 Libre M.R. 30 40.8 55.2 09.4 71.8 08.6 55.4 28.892 -29.81 1681 a^2 Libre M.R. 37 68.0 61.8 60.1 58.1 60.2 48.0 a^2 Libre M.R. 45 59.0 75.0 27.0 89.0 27.4 73.0 1711	807 (b) Canopus	Sort Sort

Molyneux fast, July 2 (a) Bisected at the 5^{th} Wire. The Stars are crabby. Indifferent

⁽a) Bisected at the owner. The Stars are bisections.
(b) Good observations. The Zenith Point appears to diminish.
(d) Observed at the first Vertical Wire, by the fixed Horizontal Wire, the shutter was then closed, and the Microscopes read off. The shutter was again opened, and the Observed

vation repeated for the South Limb at the 5th Vertical Wire.

(c) The Observatory is nearly insulated by water. Heavy rain, with bail and thunder, since Sunday.

(e) The preceding Moon culminating Stars invisible from clouds and day-light.

(f) 55', past the Meridian.

Sec. of appa-			Zenith		The	rmome	ter.				Microm.		Semi-	Con		P. D. of		
rent Zenith Point.)ista		Barom.	Attach.	Out.	Wet. Bulb.	Ret	fraction.	Parallax.	opposite Limb.	dia	meter.		Cent		No. ASC	NAME OF STA
"	0	,	"	Inch.	0	0	0	-	"	, ,,	-r	,	"	0	,	"		PLANET.
	-53	30	37.46	30.450	55.5	45.2		1	20.54					2	31	58.75		z Octantis
4.28			21 58 23.41						7.87							27.30 25.47		
	A		3.84			43.8 45.0			23.24	2000	20.530		7.61			15.89 35.23	1774	b 40 Libræ R.
5.95	4	41	35 09	100000					4.90					60	45	36.74 34.52		40 Libræ.
6.44	-18	39	59.97	and the same		54.3			19.77					37	23	37.01	807	Canopus.
4.39	11	20	57.16	30.377	55.0	54.4			18.36							13.87 12.27	838 838	
				30.374	55.0	54.4	51.0					15	45.00	113	4	0.07		0
3.99	7	51	19.52 54.95	30.267	55.5	48.3	47.6		30.71 8.15	7.07				63	55	54.91 59.85		
0.55	1		52.54													57.44	1885	
	56 56	53 22	32.53 7,49	29.968	56.0	57.0	55.5		27.81 26.09	7.05		15	45.10	112		4.94 8.43		0
4.23	18	33	54 36 53 83	30.097	55.0	53.1			19.51							10.62 10.09		
4.05	18	18	19.59	.096	55.0	52.8			19.23					74	22	35.57 34.69	1711	ν 1 Librae R.
4.49	-2	25	16.39	.125	55.0	52.1			2.46					53	38	37.90	1835	θ Lupi R.
4.29	7	51	16 39 52.91	.126	55.0	50.2	49.3		8.08					63	55	57.74	1885	θ Lupi. Antares R.
1.20	1		52 51 36.87	.126	55.0	50.2	49.3	4	1.43						46	35.05	1905	
	1000		33.62 26 60			50.2			0.06					56		23.07 5 79	1915	ε Scorpii. σ Octantis R.
4.62	-55	18	26.35	30.164		our way			24.36					100	44		2071	σ Octantis.
			16.45	30.104	04.0	50.0	48.0		0.53					55	32	39.77		
				30.357					22.81	0.33	20.847		7.40			30,65 12,32	1001	h a 2 Libræ R.
3.50	18	33	55.85 53.87			52.0			19.72					74	38	10.34	1681	α ² Libræ.
3.86	6	20	19.85 18 59	711111		51.8			6.53					62	24	23.13 21.87	1768	Libræ.
4.09	8	40	41.57 40.76	1770		51.6			8.97					64	44	46.48	1800	b Scorpii R. b Scorpii.
3.53	14	34	24.66 22.74	30.364	55.0	51.8			15.28					70	38	36.69	1836	β¹ Scorpii R. β¹ Scorpii.
			34.28			12.0			15.28					70	38	46.31		Companion.
			30.35 00.75	30.424		56.0 56.0			42.81 38.45	32 19.99		14	58.34			51.65	1465	D γ Virginis.
	25	16	16.19	.428	55.5	55.0			27.62						-	40.56	1488	ψ Virginis.
3 82	-53	30	21.88 42.30	.418		54.2 52.8		11	19.38					1 200		55.07	1534	z Ursæ Majori z Octantis R.
0.00	-00	00	43.62 16.36		55.0	52.7		-	22.85	La Table	21.103		8.66			53.75 26.97		z Octantis.
4.22	18	33		30.465				1.5	19.77	10000				74	38	11.45	1681 1681	a c Librae R.

Coincidence of Micrometer Wire with fixed Wire, =20°.153 One revolution =40°.335 Correction for Runs =+2°.9 Adopted Zenith Point =326°.04′.05″.19 to July 6th. From July 6th, =326°.04′.04″.49 Assumed Co-latitude =56°.03′.56″.75

Month	1000	NAME OF STAR		31	M	icrosco	opes.			Micrometer		(luded	Initials of
and	No.	or		A	В	C	D	E	F	or Time by Molyneux.	fo Microm. or Time.			ling ircle.	ials
Day.	A.S.C.	PLANET.				-		-			-				E E
Zuj.			,	"		11	"	"	11	r. h. m. s.	, ,	0	,	"	
9 July	1711	ν¹ Libræ M.R	45	46.1	63.6	16.8	75.2	17.2	58.0	20.153	-0.00	127	45	45.90	T.M
, , , , ,	1711	ν¹ Libræ	1000		24.6							344	22	22.40	T.N
	1768	Libræ M.R	42	51.1	71.8	29.5	86.0	27.3	68.4	18.921	+49.69				T.N
	1768	Libree			327.0									23.33	T.N
	1797	χ Serpentis			29.0									23.26	T.M
	1872	σ Scorpii M.R σ Scorpii			48.8						+30.65				T.M
	1872 1889	a Normæ			25.0							334		2.20 21.16	T.M T.M
	1905	σ Herculis			70.0									40.98	T.M
	1913	η Herculis			96.8						-			6.04	
	(3)	σ Octantis M.R	21	31.4	05.0	43.2	45.8	38.0	05.0	18.378 17 09 02	+1 11.59	100			T.M
	8	σ Octantis	45	45.9	52.0	62.8	05.7	63.0	06.0	17 10 20		270	45	39.22	T.M
	2007	(a) λ Scorpii M.R			60.0							1-	212	45.24	T.M
		(b) λ Scorpii			28.5						-0.82	323	01	24.08	T.M
	2043	γ Telescopii M.R			57.6						+17.87	ELECTRIC STATE			10000000
	2043	γ Telescopii			67.2							323		1.60	10000000
	2071	γ Draconis (c) ê Hydri			49.7						10 04			19.58	T.M
	611	Capella			111.8						+2.94			24.45	
	734	a Orionis M.R			34.7						+0.12	Colores and		29.40	12000
	734	α Orionis			50.1									37.36	100000
		ÿ's center			77.0							22	16	49.12	T.N
	807	Canopus M. R			523.0						-18.43	1000 Page 1		3.75	100000
	807	Canopus			77.8						20 20	307		9.01	T.M
	838 838	Sirius M.R			48.4 67.4						-29.20	343		3.77	T.N T.N
10 July		⊙ S.L. M			99.0						+47.03	21	59	1.69	T.M
		⊙ N.L			117.0									28.67	T.M
	2110	ε Sagittarii			154.8							0000		48.45	
	368	e Eridani			359.0									53.39	
	699 838	a Columba			34.0						-38.44			28.24 3.80	
	838	Sirius			66.8						-30.44	343			T.M
11 July		⊙ N.L. M	22	52.0	103.1	82.1	62.8	112.2	44.8	20.930	-31.22	22	22	45.01	T.M
		⊙ S.L			105 7							21		18.47	
	1533	Spica M.R			69.8						+11.74	-		7.49	100000
	1533	Spica			64.8							349		1.08	-
	1615	D N.L			016.9540.0						-6 95			13.30 20.36	
	1615	K Virginis			51.0						-0.20	1000		48.83	-
	1624	λ Virginis			31.5									30.16	
		z Octantis			33.5						-			20.84	
		ь N.L. М	17	35.0	42.1	38.0	40.0	42.3	32.0	20.984		1000 m			
	1681	a Libræ M.R			974.4						-46.95			10.14	
	1681	B Rootis	37		063.4									59.50	100000
	1780	β Bootis γ Libræ M.R			5 81.0 0 48.3						-11.12			51.95 23.44	
	1780	χ Libræ			150.7							336	42	45.81	T.N
	1797	X Serpentis			129.2							326	52	23.55	T.N
	1835	θ Lupi M.R	29	37.	150.6	21.0	62.7	17.3	50.4	20.611	-18.35			21.74	
	1835	θ Lupi			554.2									48.14	
	1872	σ Scorpii M.R			62.0						+19.20				
	18/2	(d) σ Scorpii	47	02.	268.0	07.0	04.3	00.7	00.5			334	48	3.93	1.0

Molyneux fast, July 9th, 27°.

⁽a) Hurried.

⁽b) Rather past the 5th Wire.

A small film of Cobweb projecting from the fixed Horizontal Spider Line, touches the Micrometer Line in passing, but

apparently without disturbing it. Several attempts to remove it have failed.

(c) Observed at the 5th Wire or 128th past the Meridian. Could not be seen by Reflexion.

(d) The Companion appears to be North of the larger Starabout 0".5

Sec. of appa- rent	Apparent Zenith	Barom.	2000	ermome	eter.	Refraction.	Parallar	Microm,	Se	mi-	Geoc.	S. P. D. of		NAME OF ST
Zenith Point.	Distance.	Darom.	Attach.	Out.	Wet Bulb.	Actiaction.	Faranax.	Limb.	dian	neter.	C	enter.	No.	or PLANET,
0.	0 / "	Inch.	0	0		1 11	· A	r	,		0	, "		FLANEI.
4 15	18 18 18.59	30.465	55.0	51.8		19.50		Legal.	300		74 5	22 34.84	1711	ν¹ Libræ R.
4.15	18 18 17.91 6 20 19.69	.465	55.0	51.0							62 9		1768	ν¹ Libræ. Libræ R.
4.07	6 20 18.84 0 48 18.77					6.56 0.83						24 22.15		Libræ, χ Serpentis.
3.95	8 43 58.80 8 43 57.71	.465	55.0	50.6		9.08					64	18 4.63	1872	σ Scorpii R. σ Scorpii.
	-0 24 43.33	405	E4 E	FO 4		0.43		Kinn!			55 3	39 12.99	1889	a Normæ.
	7.6 38 36.49 73 7 1.55			50.4		4 4.05 3 12.34					129	16 37.29 14 10.64	1905	σ Herculis. η Herculis.
4.50	-55 18 25.28	.466	54.5	51.0	50.2	1 25.11					0 4			σOctantis R.
	-55 18 25.27 -3 2 40.75	.466	54.5	51.0							53	14 6.37 1 12.86	2007	σ Octantis. λ Scorpii R.
4.66	-3 2 40.41 -3 3 0.36	466	55 0	51.0		3.14					53 53	1 13 20	2007	λ Scorpii. γ Telescopii F
3.23	-3 3 2.89 85 16 15.09	10000		51.0		3.15					53	0 50.71	2043	γ Telescopii.
	-35 26 54.01	.442	53.0	43.4	FO .	42.63						86 20.11		ð Hydri.
3.38	79 40 19.96 41 17 35.09			53.8 56.6		5 11.62 51.24			MA Y		97 9	19 28.33 22 23.08	734	
3.30	41 17 32.87 56 12 44.63	.450	55.5	57.5	56.0		6.88				97 9	2 20.86 8 1.37	734	α Orionis.
	-18 39 59.26 -18 39 55.48	.446	55.5	60.0	57.5	19.59						3 37.90 3 41.68	807 807	Canopus R. Canopus.
3.59	17 26 0.72 17 25 58.91	30.443	55.5	60.0	57.5	18.21					73 3	0 15.68 0 13.87	838 838	Sirius R.
	55 54 57.20 56 26 24.18	30.418	57.0	61.0	58.0	1 25.23 1 26.94	6.97		15 4	5.20		5 57.41 5 55.66		0
	-0 31 16.04			48.0		0.54	7.01				55 3	2 40.17		¿ Sagittarii.
	-9 45 11.10 -0 13 36.25			43.8		10.26 0.24					55 5	8 35.39 0 20.26	368 699	a Columba.
3.69	17 26 0.69 17 25 59.08	30.378	58.2	56.5		18.23						0 15.67 0 14.06	838 838	Sirius R. Sirius.
	56 18 40.52 55 47 13.98	30.364	57.0	63.2	56.6	1 26.00 1 24.33	7.00 6.96		15 4	5.30		8 10.97 8 13.40		0
4.29	23 36 57.00	.356	56.8	54.0		25.57	0.90				79 4	1 19.32	1533	Spica R.
	23 36 56.59 24 17 8.81			53.6			22 59.94		15 2	1.37	79 4	1 18.91 3 10.66		D
4.60	24 24 44.13 24 24 44.34		230.0	54.0		26.56					80 2	9 7.65	1615	κ Virginis.
	21 18 25 67 -53 30 43.65		0.000	54.0 53.5		22.82 1 19.05				8.09		2 45.24 1 54.05	1624	λ Virginis. z Octantis
	21 13 0.59 18 33 54.35	.377	56.2	53.0 53.0		22.77	0.32	21.385				7 11.70 8 10.79	1681	b α ² Libræ R.
4.82	18 33 55.01 74 54 47.46			53.2		19.69					74 3	8 11.45	1681	a ² Libræ. β Bootis.
4.63	10 38 41.05			52.8		11.03					66 4	2 48.83	1780	x Libree R.
	10 38 41.32 0 48 19.06			-		0.82			Y I		56 5	2 16.63	1797	χ Libræ, χ Serpentis.
4.94	-2 25 17.25 -2 25 16.35		1000	53.4		2.48					53 3	8 37.92	1835	
4.90	8 43 58.63 8 43 59.44		55.5	54.4		8.99		Park I			64 4			σ Scorpii R. σ Scorpii.

Coincidence of Micrometer Wire with fixed Wire, =20°.153 July 10th, =20°.156 One revolution =40°.335 Correction for Runs =+2°.90 Adopted Zenith Point =326°.04′.04°.49 Assumed Co-latitude =56°.03′.56°.75

Month		NAME OF STAR			M	licrosc	opes.			Micrometer	Correction	Concluded	Jo
and	No	or		A	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.	reading of Circle.	Initials of
Day.	A.S.C.	PLANET.			-		D	L				or circuit	Initia
			,	"	"	"	11	11	11	h. m. s.	1 11	0 1 11	
11 July	1889	a Normæ	30	93 6	29.1	30 6	18 3	24 0	04.9			325 39 22.08	TA
11 5 011	1915	ε Scorpii			36.3							326 00 30.67	
	10.00	σ Octantis								17 08 50		270 45 38.66	T.N
	699	a Columba			34.8							325 50 29.57	
	734	a Orionis M.R			09.0						+1 04.17	104 46 29.72	
	734	a Orionis			49.3							7 21 39.28	
	807	Canopus M. R			42.4					21.061	-36.50	164 44 3.40	
	807 838	Sirius M.R			79.0 56.5					20.998	-33.96		T.M
	838	Sirius	7000		69.5			-			-00.50	343 30 4.94	
12 July	123	⊙ S.L. M	43	59.8	111.8	88.8	77.0	117.6	58.0	22.008	-1 14.70	21 43 10.96	T.I
11/3	1111	⊙ N.L			65.0							22 14 37.66	
		g's center	24	50.5	96.0	78.8	66.9	102.8	51.0	Valor		20 25 14.81	
	1573	g Centauri	21	48.8	53.4	57.6	43.0	50.2	30.2	00 000	0.01	326 21 47.37	
	1624	(a) λ Virginis M.R			59.0						-8.31	124 45 36.46 347 22 30.95	
	1024	λ Virginis D N. L			32.6							344 37 42.64	
		ь S.L. М			38.1					19.760	+15.97	347 16 36.23	
	1681	a E Librae	37	58.1	63.1	59.1	60.2	61.0	49.5	1997		344 37 58.79	T.N
	1705	20 Libræ M.R	46	50.1	65.8	28.5	78.9	26.4	61.5	20.500	-13.87	136 46 37.67	
	1705	20 Libræ			36.6						- 10	335 21 31.71	T.N
	1768	Libræ M R			53.5					19.971		139 43 45.51 332 24 24.28	T.M
	1768 1797	Libræ γ Serpentis			28.0							326 52 23.48	
		(b) θ Lupi M			30.0						-0.00	148 29 20.76	
	1835	θ Lupi			56.7							323 38 47.23	
	1876	7 Herculis			85.0						Albert Co.	46 36 53.86	T.A
	1905	σ Herculis			78.1							42 42 48.49	
	1913	η Herculis	10	49.0	102,9	89.6	41.4	118.3	28.4	17 00 05		39 11 11.72	
	2007	σ Octantis	45	47.0	48.8	65.4	60.0	63.7	50.0	17 08 25 19.982		270 45 38,43 149 06 46.13	
	I STATE OF THE PARTY OF THE PAR	λ Scorpii M.R (c) λ Scorpii			48.3							323 01 23.15	
	2016	(c) β Draconis			121.0							52 13 31.13	
	219	a Hydri M.R			36.8							174 28 55.23	
	219	a Hydri			27.7							297 39 18.39	
		z Octantis SP			64.2							267 29 54.60	
	699	a Columbae			34.0							325 50 27.56	
	734 734	α Orionis M.R α Orionis	100.3		30.2	00 0	4 1 12	e0 0	07 0		+4.07	104 46 28.46 7 21 39.28	
	104	(d) S's center M.R	16	30.5	99.4	91 9	05 7	99 8	05 0	19.834	+12.99	89 16 32.28	
	1113	(d) §'s center	51	10.0	61.0	39.6	25.5	70.1	06.9	10.001		22 51 34.89	
	838	Sirius M.R			57.8						-39.57		T.N
	838	Sirius	29	61.0	70.0	64.0	64.9	69.2	51.5			343 30 4.25	T.N
13 July	1194	(e) ⊙ N.L. M.R			38.8						-29.93	90 01 56.85	100000
		O N.L	-		97.3						. 06 20	22 06 9.66 92 00 4.34	1000
		(f) g's center M.R			39.8					100000000000000000000000000000000000000	-20.38	20 08 5.85	1 1000
	182	Achernar SP			19.0							238 20 20.91	
	1	z Oct. M.R. SP			55.3							199 34 51.26	
	17.11	z Octantis SP			31.4							272 33 20.92	T.N
		ь N. L. M			53.3							347 16 42.60	
	1681	a 2 Librae M.R			56.0							127 30 10.70	
	1681	α² Libræ	37	58.3	66.8	60.0	61.3	04.8	50.0			344 38 0.82	1.0

Molyneux fast, July 12th, 25s .- 13th, 25s.

Observed on the Meridian.
Found bisected by the fixed Wire.
Observed at the 5th Wire.

© Observed at the 1st and 5th Wires. Correction for motion -0".31, for Curvature 0".47. Touched the

Telescope by accident, read the Microscopes a second

time.

(e) Limbs flocculent.

(f) Observed at the 1st and 5th Wires. Correction for motion +0°.58, for Curvature 0'.41

Sec. of appa-	Anna	rent	Zenith		The	rmome	ter.			-		Microm. for	9	em	i-	Gene		P. D. of		NAME OF STA
rent Zenith Point.		ista		Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Par	allax.	opposite Limb.			ter.		Cent		No. ASC	OF PLANET.
"	0	,	"	Inch.	0	0	0	,	"	,	п	r	,	1	"	0	,	"		PLANEI.
	-0 -55	3 18	42.41 33.82 25.83 34.92	30.478	55.5	52.0	49.0	1	0.42 0.06 24.97							56 0	0 44		1915	ε Scorpii. σ Octantis.
4.50	41	17	34.77 34.79	.356	56.0	59.8			0.23 50.77		N. B.					97	22	21,60 22,29 22,31	699 734 734	a Orionis R.
6.21	-18	39	58.91 55.47	.354	56.0	62.3	57.5		19.45							37	23	38.39	807	Canopus R.
4.36	17	26 26		30.350	56.4	63.5	59.0	100	18.03							73	30	15.49 15.23		Sirius R.
	-	39	5.94 32.64	30.332	57.0	66.8	58.5	1	23.24 24.89		6.95		15	4	5.30	112				0
	54	21	9.79	.313	58.0	68.4	61.0		19.04		4.21					110	26	21.37	1573	2
3.71	21	18	28.56 25.93	.292	57.0	59.8			22.51	100							22	47.82 45.19	1624	λ Virginis R.
	18	33	37.62 31.21			58.7 58.5			19.42 22.45		2.63		15	3	6.21	74	4	14.95		D
	0		53.77 27.35	.292	57.0	58.0 57.6	1		19.45			19.760			7.99	74	38		1681 1705	a 2 Libræ.
4.69	9		26.69 19.51	1		56.8			9.48							62	24	32.92 22.71	1768	Libræ R.
	0	48	19.26 18.46			56.4			0.43							56	52	22.46 16.03	1797	x Serpentis.
4.90	-2	25	15.74 17.79			55.5		100	2.46							53	38	38.55	1835	θ Lupi.
4.00	76	38	48.84	.289	56.5	55.4		4								132	46	21.58	1905	σ Herculis.
	-55	18	6.70 26.59	.289	56.3	55.3		1	9.43 24.11							0	44	12.88		σ Octantis.
4.64	-3 -3 86	2	41.11 41.87 26.11	The same of	1	53.0	1		3.11	1						53		12.53		λ Scorpii.
6.81	-28	24	50.21	.275		46.7			32.01							27		34.53	219 219	a Hydri R.
16	-58	34	10.42 37.46	.277	53.5	45.8		1	36.74 0.23							-2	31	50.41		z Octantis SP.
3.87	41	17	36.56	.289	1000	62.0	10000		50.44							97	22	23.75	734	α Orionis R.
3.59	56	47	32.74 29.87	.291	58.0	63.4	58.	5 1	27.30		6.37					112	55	2 50.42		§ R. §
3.83	17	26		30.288	8 58.0	67.0	59.4	4	17.87				-			73	3 30	16.24	838	Sirius R. Sirius.
3.26		9	4 64	30.289	2 58.	5 68.8	60.	8 1	23.97	-	6.98		15	5 4	5.4			36.51		⊙ R.
5.10	54	4	0.68	.25		70.0		1	17.83	3	4.20					110) 5	11.06		♀ R. ♀
6.09	-53	30	44.11	.25		5 60.0		n	17.87				-			- X C		52.64		Achernar SP. z Octantis R.
	21	19	37.58 54.39	95	1 58.	0 58.0	0	1	22.44	1	0.32	20.685	2		7.8	77	16	54.78 6 48.56 8 10.53		z Octantis.
5.76	18	33	55.80	30.25	1 08.	137.	1	1	19.46	3			1			74	38	3 12.01	1681	a Librae.

Coincidence of Micrometer Wire with fixed Wire, =20°.156 One revolution =40".335 Correction for Runs =+2".90

Adopted Zenith Point to July 12th at noon, =326°.04'.04".49 From July 12th, =326°.04'.05".02

Assumed Co-latitude =56°.03'.56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR		M	licrosc	opes.			Micrometer	Correction		cluded	of er.
and Day.	No. A.S.C.	OF.	A	В	С	D	E	F	or Time by Molyneux.	for Microm. or Time.		ding Circle.	Initials of Observer.
			, "	"		"			h. m. s,	1 11	0	, ,	
4 13 July	1705	20 Libræ M.R	46 32.							+4.60		37.72	T.M
	1705	20 Libræ	21 32.0 29 57.0									32.26 56.71	T.M T.M
	1818	D N. L π Scorpii M.R	46 46.							-2 78		43.58	T.M
	1818	π Scorpii	21 27.							-2.70		26.95	T.M
	1836	β¹ Scorpii	38 29.5	2 29.9	32.5	26.5	32.4	17.3		1		28.30	T.M
	1836	Companion M	40 00	79 0	70 4	::::	07 0		19.852	+12.26		40.56	T.M T.M
	1905 1913	σ Herculis	42 29.3 10 51.8									49.80	
	1947	«Scorpii	6 50.									45.52	T.M
		σ Octantis M.R	22 50.6	6 30.6	65.0	07.2	65.5	23.5	20.271	-4.64	201 22	36.01	T.M
	000=	σ Octantis	45 42.0									33.85	
	2007	λ Scorpii M.R λ Scorpii	6 48.6	2 25.6						-3.99		47.57	T.M T.M
,too	2043	γ Telescopii M.R	7 43.0							-38.92			T.M
	2043	y Telescopii	0 67.								323 01		
314	2071	γ Draconis	20 27.9									44.57	T.M
	2110	ε Sagittarii z Oct. SP. M.R	32 52.9 38 29.3						20,090	.0.00		48.84	T.M T.M
		(a) z Octantis SP	29 54.8							18.00		43.58	T.M
	611	Capella	43 72.7								45 44	34.16	T.M
		(b) α Columbæ	50 35.0	32.8	37.5	25.2	30.0	14.0	00.000			29.42	T.M
	807 807	Canopus M. R	44 37.8							-29.04		9.87	T.M T.M
200	007	Zanopus	23 74.8									55.41	T.M
	838	Sirius M.R	38 40.6							-33.64	128 38	3.47	T.M
2 14 July	838	Sirius	29 63.8		1000		3430.00		I was and		343 30		T.M T.M
¥ 1.4 July		(c) O N.L. M	57 51.0 25 25.1							-57.80		51.14	T.M
		D N.L	24 65.9								335 25	4.90	T.M
	2079	γ 2 Sagittarii M.R.	33 34.0							-17.71			T.M
	2079 2101	γ ^e Sagittarii β Telescopii M.R	34 52.5 56 50.0							-37.67		51.46	T.M.
	2101	β Telescopii	11 58.0									53.94	T.M.
	2110	ε Sagittarii	32 53.6									49.70	T.M.
5 15 July	1835	θ Lupi M.R	29 48.8						20.909				T.M.
	1835 1900		38 51.6	53.5	57.2	42.8	50.2	32.1	00 010			48.47	T.M.
	1900	τ Scorpii M.R	0 35.0 7 33.7	36 9	37 4	31 5	36.0	20.4	20.218			36.56	
	1919	μ 1 Scorpii M.R	53 41.0	54.6	31.4	62.2	28.5	49.5	20.066	+3.63	149 53	48.29	T.M.
	1919	μ¹ Scorpii	14 26.7						- June 1999		322 14	21.79	T.M
	1921 1967	μ ² Scorpii M A ¹ Ophiuchi M.R.	90 21 6	46 1	05 0	00 0		47 0		+1 41.97	138 99	3.76	T.M.
	1967	A 2 Ophiuchi M.R.	29 01.0	40.1	05.0	00.0	02.0	47.0	19.874 19.975			40.58	T.M.
	1967		38 04.0	30.7	31.6	26.0	29.5	12.8		10 (9646)	333 38	23.30	T.M.
									17 14 10			34.99	
	2079		55 27.0 33 32.0							+19.28	-	24.46	T.M.
	2079		34 50.8									52.19	T.M.
	2110	€ Sagittarii	32 53.0	53.2	57.4	44.8	51.0	33.5		the same of the sa		49.09	T.M.
			45 40.4						18.663	-1 00.22			T.M.
200	734 807	a Orionis (e) Canopus M. R	21 25.4						21.056	-36.30		37.93	T.M.
	807	Canopus									307 24		
		Mo	olyneux f	ast, J	uly 14	th, 26	§.—1	5th, 2	45.				
		(a) Faint from day	light. B	isectio	n unce	rtain.	50%.	past th	e Meridian.		Party.		
		(b) 40°, past the M (c) Woolly and tr	emulous.										
		(d) Observed at th (e) Unsteady, flick	e 5th Wire	, faint									

Sec. of appa-	Appa	rent	Zenith	Barom.	The	rmome	eter.			Y		100	Microm. for	5	Ser	i-	Geor	S	P.D. of		NAME OF CO.
rent Zenith Point.	I	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Rei	raction.	Pa	ralla	х.	for opposite Limb.	dia	ame	ter.		Cen		No. ASC	NAME OF STA
	0	,	"	Inch.	0	0	0				, ,		r	,	-	7	0	,	"		PLANEI,
4.99				30.251	58.0	57.0			9.48										33.53		
1.00			27.24	050	58.0	EC 0				17/5	00	40		10					33.47	1705	
			51.69 21.44		58.0				13.87		20.	48		15	0%	2.23	69		49.60	1818	D π Scorpii R.
5.27			21.93	.240	00.0	00.4			8.47								64	21	27.15	1818	π Scorpii.
	14	34	23.28	.247	58.0	56.0		1	15.09								70	38	35.12	1836	β¹ Scorpii.
			35.54			***		-	15.10								70	38	47.39	1836	Companion M
			44.78		58.0				57.79								132	46	39.32	1905	σ Herculis.
	73		9.77		58.0 58.0			3	7.49								56		37.30		η Herculis. κ Scorpii.
			30.99		58.0		55.6												2.91	1041	σ Octantis R.
4.93	-55	18	31.17					1	22.85									44	2.73	Sec. 1	σ Octantis.
100000	-3	2	42.55	.247	58.0	60.8	55.0		3.06								53	1	11.14	2007	λ Scorpii R.
5.28	-3		42.04						3.00								53	1	11.65	2007	λ Scorpii.
5.35	-3		2.32	.247	58.0	60.0	55.0		3.07								53	0	51.36	2043	γ Telescopii R
	-3	3	1.67 39.55	947	58.0	60 0											20	U	52.01	2043	γ Telescopii. γ Draconis.
			16.18	1241	00.0	00.0			0.53								55	32	40.04	2110	ε Sagittarii.
March 12			17.34	.207	57.5	61.2	54.5	,									-2	31	54.23	2000	z Octantis SP
2.97)	-58	34	21.44					1	33.64				139113				-2	31	58.33		z Octantis SP.
			29.14		58.0		58.4	5	2.90				A PORT				135	49	28.79	611	Capella,
	20	20	35.60		58.2		co o		0.23										20.92		
6.33	18	30	57.76	.207	59.0	07.0	02.0		19.17										39.82 42.43		Canopus R. Canopus.
1	56	55	50.39	.207	59.0	67.0	62.0	1	26.94		6.	26					113	1	7.82	007	Sanopus.
1 100				30.204													73	30	16.09	838	Sirius R.
3.97	17	25	59.45						17.79								73	30	13.99	838	Sirius.
	55	53	12.47	30.168	60.0	69.5	62.3	1	23.08		6.	97					111	42	39.93		0
	55	21	45.90						21.47	100	6.			15	45	.40	111	42	42.60		0
			59.66		59.0			200	9.43	9	26.	14		16	7	.92	64	59	31.78		D
4.93			46.85	.160	59.0	59.2	55.0		3.53								59	34	47.13	2079	γ ² Sagittarii I
			46.22 11.14	169	59.0	50 0	55.0		124								53	11	46 50	2079	γ ² Sagittarii. β Telescopii R
			11.30	.102	05.0	03.2	00.0		2.88								53	11	42.57	2101	β Telescopii.
				30.162	59.0	59.2			0.53								55	32	40.68	2110	ε Sagittarii.
				30.331	200000															100000	θ Lupi R.
5.41	-2	25	16.77	0.001	00.2	00	*		2.46								53	38	37,52	1835	θ Lupi.
4.96	6	3	28.68	.331	59.2	57.4			6.16				TOB				62	7	31.59	1900	- Scorpii R.
	6		28.11		-				0.10				110,00				62	7	31.02	1900	7 Scorpii.
5.04	24	4.00	43.05	.331	59.2	57.4			3.89												μ 1 Scorpii R.
			1.48			18 19			3.86										9.41 51.41		μ ¹ Scorpii. μ ² Scorpii.
0 50			21.14	.332	59.4	58.0	-		0.60								63	38	25.60	1967	A 1 Ophiuchi 1
3.70			24.66						7.71							N. Y.	63	38	29.12	1967	A 2 Ophiuchi.
			18.06	1				1	7.71								63	38	22.52		A 1 Ophiuchi.
-			30.25		59.2			1	23.57	-	**	0.1							2.93		σOctantis.
man l			19.22 46.52		59.2				6.97	6	59.	101		16	22	.72	62		1.21	2070	D Sanittanii D
5.46			46.95	.007	59.2	00.0			3.56												γ ² Sagittarii R γ ² Sagittarii,
			16.15	DE L		1237			0.53			1									ε Sagittarii.
3.96			35.26	.401	59.5	60.2			50.78				100				97	22	22.79	734	a Orionis R.
			32.69			1			00.78			-	1				97	22	20.22	734	a Orionis.
		7.00	57.21 55.62	20 400	DO OV	00 0											13/75	63.13	40.02	807	Canopus R.

Coincidence of Micrometer Wire with fixed Wire, =20°.156 One revolution =40°.335 Correction for Runs =+2°.90 Adopted Zenith Point to July 14th, at Noon, =326°.04′.05°.02 From July 14th, =326°.04′.05″.24 Assumed Co-latitude =56°.03′.56″.75

Month		NAME OF STAR			M	icrosc	opes.			Micrometer or Time by	Correction for Microm.			uded	of ir.
and Day.	No. A.S.C.	or PLANET.		A	В	С	D	E	F	Molyneux.	or Time.		read f Ci	rcle.	Initials of Observer.
			,	"	"		,	11		h. m. s.	' "	0	,		
b 15 July	838	Sirius M.R	38	37.0	50.5	05.4	65.8	03.2	50.9	20.933	-31.34	128	38	4.14	T.N
					67.7							343		4.60	T.N
		(a) §'s center	9	00.7	118.4	102.5	12.1	100,0	33.0			23	10	30.63	T.N
⊙ 16 July		(a) O S. L. M			104.4						-20.65			56.36	T.N
		D. N. L.			110.5 255.0							21	28	22.35 43.74	T.M
	2079	(b) γ² Sagittarii M.R.	33	20.0	35.9	59.0	51.0	58.6	36.2		-2.50	142	33	21.27	T.N
	2010	r wagniam			53.0							329	34	50.68	T.M
	2110	[€] Sagittarii			52.2 17.0					18 36 18		332	20	48.14 13.04	T.M
		D S.L	56	21.4	25.2	26.7	20.3	25.1	09.2			331	56	21.46	T.N
	2208	7 Sagittarii M.R			6 47.0						-15.17	140	02	16.02	T.M
	2208 2290	τ Sagittarii			56.2						-20.33			53.97	T.N
	2290	h 2 Sagittarii	45	46.0	50.0	51.0	46.3	49.0	34.4					46.71	T.1
	807	Canopus M.R			38.2						+24.89			2.46	T.I
	807	Canopus Sirius M.R			19.7						+24.35	307 128		9.99	T.P
	838	Sirius	29	65.6	69.0	68.0	64.6	69.8	53.9			343	30	5.97	T.N
		(d) S's center M.R			7 35.0 2 53.2						-46.26			42.02 26.91	T.1
	0.0	100 100 100 100 100	1		1			1000	1						100
D 17 July		⊙ N.L. M.R (h) ⊙ S.L R			0 37.5						-47.84			42.62 9.83	T.I
		o's center M R			9 47.0						-2 16.69				T.1
		(e) \$ S.L			5 67.0							18	53	45.06	
	1919	μ Scorpii M.R			4 35.0						10 19	ALCOHOL:		32.05 48.51	T.I
	1919				2 24.2						72.10			20.84	T.
	1921	μ ² Scorpii M								17.598					T.1
	1960 1960				646.0 112.7						-34.04	155			
	1900	σ Octantis								17 08 22	1000	100000000000000000000000000000000000000		36.19	2000
	2016	β Draconis	13	22.	0 65.5	55.8	05.3	81.0	54.8		0.038.88	52	13	37.75	T.1
	2208	(f) 7 Sagittarii M.R	2						1000		-17.02			19.25 53.64	
	2290				8 57.0						-10.81				10000
	2290	h 2 Sagittarii	45	46.	8 50.0	52.	46.5	49.3	34.5		911			47.17	T.I
	2403				0 31.5									24.90 42.26	
	2403				2 30.8						-0.50			28.64	
	2445	↓ Capricorni M.R.	59	36.	0 45.3	3 08.0	65.9	04.0	51.3	20.770	-24.76	137	59	10.21	T.1
	2445				561.6			1333	100	F		334	08	59.70	1 200
& 18 July	100000				0 64.0						+9.84	2000000			
	1678	8's center M.R			6 12.6						_8 71	332		8.64 16.64	
		y's center			0 77.									51.86	
§ 19 July	-	(h) ⊙ S.L. M			495.		1 10000	10000	10000	A SECTION OF	-15.33	20	35	56.35	T.
-	1	⊙ N. L	6	57.	8 108.0	0 91.	2 69.	1119.7	53.0			21	07	23.43	T.1
		(i) \$\frac{9}{9}\$ center M,R			2 25. 0 107.						-1 39.87			39.86	
		z Octantis M.R			5 22.5						+15.09				
	1	z Octantis			4 34.									22.29	

(a) Unsteady and flickering.

(b) Observed on the Meridian by reflexion, and beyond the 5th Wire direct.

(c) An occultation was observed this evening, and this appears

to be the Star.

(d) Observed at 40°. from the Meridian. Correction for Motion

6th, 26^s.—17th, 26^s.
and Curvature of path, +0".37 and -0".39. Beautiful definition.
(e) Correction for Motion in Declination +0".66
(f) Microscopes A and F overlooked. Only C and D employed in the reduction.
(g) Observed 25^s. past the Meridian. (h) Observed on the Meridian.
(i) Correction for Motion in Declination 0".67

Sec. of appa-		mant	Zenith	200	1	rmome	eter.	200				Microm.		Semi-	Conn	21	P. D. of			
rent Zenith Point.		ista		Barom.	Attach.	Out.	Wet. Bulb.	Ref	raction.	Para	llax.	opposite Limb.		meter.		Cent		No. ASC	NAME OF ST or PLANET.	A
"	0	,	"	Inch.	0	0	0	,	"	,	"	r	,	"	0	,	"		PLANEI.	
	17	26	1.10	30.398	60.0	60.8			10.10		100	170		6	73	30	16.00	838	Sirius	1
4.37	17 57	25	59.36	30.397				1	18.15		6.05						14.26 45.20	838	Sirius.	
	55	2	51.12	30.354	70.5	61.6	60.0	1	22.17		6.90				1111	23	48.64		0	
	55		17.11						23.79		6.94		15	45.00			45.21		0	
			38.50	.358	60.5	59.4			42.66		2.80						15.11		8	
5.98		70.70	43.97	.370	59.0	54.0			3.59										γ ² Sagittarii	
0.00	3		45.44	0.00		0	1						20				45.78			
	-0		17.10 7,80			54.0			0.53 6.43								39.12 10.98	2110		
	5		16.22			53.8			6.02		1.51		16	33.88			51.33		* D	
	6		49.22			53.6		1	100		1.01	N.T. III	-	00.00	62			2208	7 Sagittarii	
5.00	6		48.73		1				6.19			1.300			62		51.67		7 Sagittarii.	
4.96	8	41	42.03	.365	58.6	53.8		1.1	8.95			0.010			64		47.73		h 2 Sagittarii	
		41	41.47	100000					0.50				1		64		47.17			
6.23	-18	39	57.22 55.25	.340	59.0	60.2	58.0		19.51								40.02		Canopus	
		39	55.25	040	FO .	00 0									37		41.99	807	Canopus. Sirius	
5.33	17	26 26	0.55	.340	59.0	60.8			18.11								15.41			
233	57			30.340	60 0	61.4	58 0		10000		1				1113	13	42.96	000	ğ	
4.47	57	8	21.67	00.010	00.0	01.4	00.0	1	28.95		5.96		1				41.41		ş	
	55	24	22.88	30.330	60.4	61.0	57.5	1	23.37	100	6.93		15	45.6			50.47		0	
			55.67						21.77	1	6.88		10	40.0	1111		52.91		0	
NO.			42.10	.312	61.0	59.5	57.0	1	16.04		4.17	19.932					50.72		9	
			39.56	000		0		1		100				4.5	108		52.70		\$	
	21		26.55 43.10	100000000000000000000000000000000000000		55.8			22.82		0.32	20.523		7.4	52		38.40 9.74	1010	μ 1 Scorpii	
4.68			44.66	.200	39.0	53.5			3.91						52			1919		
	-3		1.48						3.88	6					52		51.39		μ ² Scorpii.	
- 10	-9	777	58.69	.289	59.0	53.0											48.71			
5.40	-9		58.90	1,000					9.35				1		46	58	48.50	1960		
			29.31			53.0		1	24.26						0	44	3.18		σ Octantis.	
	86		32.25			52.8						1			000	-	10.00	2016		
6.45)	6		46.25	.280	57.5	48.8			6.23						62		49.23			
7777	8		48.14 41.56	000	57 0	47.3	-						1		62		51.12 47.35		τ Sagittarii. hºSagittarii	
5.56			41.67	.208	07.0	1.0			9.04								47.46			
			19.40	.267	56.6	46.0		1	8.05	8	2.52		16	40.1	6 63	57	1.84		D	
5 45	15		23.24			45.4		1		100		1	1		71	15	36.09	2403	# Capricorni	
5.45	15	11	23.14	- Marie Mari	1	1000		-	16.10			15(0)	1		71	15	35.99	2403	π Capricorni.	
4.96	8		55 29 54.20	30.256	55.0	44.8	45.4	-	8.43						64		0.47 59.38			
	6			30.207	59 (50 6		1				1			100	43		1678	Librae	
4.84		39	3.14	30.207	00.1	00.0	1	-	6.84	100		1000	1		1	43		1678		
4.25	57	4	48.86	30.283	359.0	56.4	55.0	1	29.44		5.78		1		113	10	9.27		\$	
	01		46.36 50 85	30.277	59.6	58 6	57.0	1	20.96		6.86	1000					47.50		0	
	55		17.93		00.0	00.0	10000		22.54		6.90		15	45.8	110	52	44.52	1	ŏ	
	52	9	25.64	.261	60.0	59.6	3										32.33		Ŷ.	
	52	9	21.40					1	14.09	1	4.10	19.928		4.6	0,108	14	32.69		9	
	-																53.12		z Octantis	

Coincidence of Micrometer Wire with fixed Wire, = $20^{\circ}.156$ One revolution = $40^{\circ}.335$ Correction for Runs = $+2^{\circ}.90$ Adopted Zenith Point to July 17th, at Noon, = $326^{\circ}.04'.05''.24$ From July 17th, = $326^{\circ}.04'.05''.50$ Assumed Co-latitude = $56^{\circ}.03'.56''.75$

Month		NAME OF STAR		M	icrosc	opes.			Micrometer	Correction for Microm.		luded	Initials of
and	No	OF.	A	В	c	D	E	F	or Time by Molyneux.	or Time.		ding ircle.	ials
Day.	A.S.C.	PLANET.	-				-			The same of			Peit
			1 11	//	"	11	"	"	h. m. s.	1 11	0 1	"	
19 July	1721	LibræM.R.	18 42.2	52.8	12.4	70.0	7.0	56.2	20.088	+2.74	131 18	42.79	T.D
10 0 411	1721	Libræ	49 27.0	28.9	30.0	25.3	29.4	16.2	The same of the sa		340 49		
	1768	LibræM.R.	43 38.2	53.8	13.7	69.2	10.6	54.8	19.990	+6.70	139 43		
	1768	Libræ	24 24.4	27.2	26.8	23.2	26.7	11.8			332 24		
	1816	ρ Scorpii M.R.	52 32.2							-17.10			T.I
	1816	ρ Scorpii	15 55.6								331 15		T.P
	1876	τ Herculis	36 35.0	89.8	75.4	22.6	105.5	09.3			46 36	56.45	T.N
1 13	1905	σ Herculis	42 25.7	80.0	69.4	95.6	16.6	30.0		and the same	42 42	53.16	T.P
	1913	(a) η Herculis	10 47.8	105.2	90.0	42.0	121.2	27.0		-0.89	39 11	11.43	
	182	AchernarM.R.	12 33.5	32.0	35.0	27.4	28.6	31.5	22.203	-1 22.57	170 11	8.57	T.N
	182	Achernar	56 68.0								301 57	5.90	
	699	a Columbæ	50 35.0							Vol. vol. post	325 50		
	734	a Orionis M.R.	46 34.0							+9.52	104 46		
	734	a Orionis	21 28.4							Topicasa.		40.14	T.N
	807	Canopus M.R.	44 41.8							-36.87		1.83	
	807	Canopus				05.4				100000	307 24		
	838	SiriusM.R.	37 39.9							+25.33		2.61	T.M
	838	Sirius	29 66.8							100.00	343 30		T.N
		(b) S's center M.R.	5 55.0							-42.98			
		(0) § 's center	2 47.8	91.3	82.2	49.2	108.9	35.8		Talle State	23 03	9.27	T.1
20 July		⊙ N.L M	56 32.8							-36.14			
		⊙ S.L	24 26.5									52.47	
	27	β Hydri SP				49.8				1000 B/S	258 12		
		z Octantis							14 15 50		272 33		
		(c) β Lupi M.R.				51.6			20.390	-9.44	154 36		
	1689	β Lupi	31 41.9							* 00	317 31		
	1768	LibræM.R.	43 38.0						20.032	+5.00	139 43		
	1768 1800	b ScorpiiM.R.	24 25.0							+42.96	332 24		T.M
		b Scorpii	22 41.1							+42.90	334 44		
	1800 1835	θ Lupi M.R.	44 46.0	49.5	51.2	45.0	49.2	00.4	00 025	. 4 90	148 29		
	1835	θ Lupi	29 14.5							+4.00		46.79	
	1872	σ Scorpii M.R.	38 49.4							100 68	137 20		
	1872	σ Scorpii	19 36.9 47 64.4							723.00	334 48	4.24	
	1889	a Normæ	39 26.0	00.2	20.4	19 0	04.0	07.0			325 39		
	1919	μ¹ Scorpii M.R.	53 31.6	46 0	99 4	59 0	18 0	40 1	19.832	+13.07			
	1919	μ · Scorpii	14 22.0	25 0	20 5	14 4	22 4	03 5		120.07	322 14		T.N
	1921	μ ² ScorpiiM	14 22.0	20.0	20.0	4-11-14	~~.4	30.0	17.620	+1 42.29			
	1960	η Scorpii M.R.	9 37.0	49 6	39 0	46 8	24 8	43 0		100		100000000000000000000000000000000000000	
	1960	η Scorpii	58 69 8	74 8	74 7	62 7	67 8	50 8	20.002		316 59		
		σ Octantis	45 45 9	46 0	57 5	04 2	55.4	07.5	17 08 05		270 45		
		C Octantis	14 44 0	46.1	53 9	01.0	51.8	07.3	21 58 20		273 14		
	2688	σ Aquarii M.R.	39 40.0	50.3	06.5	64.9	08.8	50.2	21.296				
	2688	σ Aquarii	29 15.0						0.000		348 29		
		(d) Georgean M R.	28 36.5						19.762				
		(e) Georgean	39 16.5								350 39		
		(f) D N.LM.R.				45.6			20.754	-24.12			
	last the	(g) D N.L				23.6					350 29		
	2841	147	48 49.0							-17.36			
	2841	(h) n Piscium	19 35.6								356 19	41.75	T.N
21 July	1889	a Norme	39 27.1	24.6	28.8	17.1	20.6	07.5			325 39		
	1905	σ Herculis	42 29.8							100007466		49.37	
	1915	ε Scorpii	0 34.2								326 00	20 00	1500 B

(a) Observed at the 5th Wire.
(b) Correction for Motion in Declination 0'.25
(c) Overlooked Microscopes A and F. The Mean of C and D taken.
(d) Observed on the Meridian.
(e) Observed 76th, past Meridian. Correction for Motion in Declination, +0°.03, and for Curvature of Path, +0°.50

Molyneux fast, July 20th, 20s. July 20th, 20th.
(f) Observed at the 2th Wire. Correction for Motion in Declination, -6°.30, for Curvature of Path, -0″.09 The Quicksilver disturbed by wind, bad Observation.
(g) Observed at the 5th Wire. Correction for Motion in Declination, -12°.61, for Curvature of Path, +0*.19
(h) A film of thin cloud overspreads the sky, the Stars are seen steady.

CALCULATION OF GEOCENTRIC SOUTH POLAR DISTANCES.

Sec. of appa-		rent	Zenith	Barom.		rmome	eter.	n		-		Microm.	9	Semi-		Geor	S	P.D. of		NAME OF C	F1 4
rent Zenith Point.	D	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Kei	fraction	. Pa	rallax.	opposite Limb.		amet			Cent		No. ASC	NAME OF ST or PLANET.	
"	0	1		Inch.	0	0	0	,	"	,		r	,	"		0	,	//		TELIVET.	
4.87				30.272	59.0	52.4			15.4									34.87			1
9 90			21.45 18.97	.275	58.8	52.8										70 62		33.61 22.22		Libræ,	
5.44	6	20	18.84			barre la			6.5	9		Land a	R			62	24	22.09	1768	Libræ.	
5.80			47.87	.276	58.5	53.0		100	5.3	2						61		49.94 50.54			
	80	32	50.95			54.0	1-2	5	36.8	1						136	42	24.51	1876	7 Herculis.	
			47.66		58.2			4												σ Herculis.	
	73 -24	7 7	5.93			55.0 55.5		3								129		12.14 27.67	1813		
7.23	-24		59.60		00.0	00.0			26.0	1		100018				31	56	31,14	182	Archernar.	
			33.55	2.00					0.2	3		19.86						22.97	699	a Columbæ.	
4.80			36.04	.269	58.0	59.1	56.2		50.6	3						97	22	23.47 22.07	734 734	a Orionis a Orionis.	
0 00	-18		56.33	.267	59.0	60.2	56.8		10 4							37		40.96	807		
6.60	-10		54.14						19.4	2						37		43.15	807	Canopus.	
4.39		26 26	2.89	.266	59.0	61.0	58.5		18.0	5						73		17.70 15.48	838	Sirius Sirius.	
	56			30.266	59.0	62.0			20 1			The state of				113		27.24	000	Sirius.	
3.35	56	59	3.77					1	28.1		5.70					113	4	22.94		ş	
				30.248	60.2	63.8	58.0	1	21.0		6.89		15	45.	80			42.50		•	
			46.97	917	60 0	59.5			19.5		6.84					-11		42.21 6.15	27	Θ β Hydri SP.	
			45.11		59.3				18.2							1 723		53.38	21	z Octantis.	
6.16)	-8	32	28.26	.210	59.3	54.5			8.7	3		HIVE B				47		19.76		β Lupi	
The state of			26.94 19.65	902	50 0	54.6										62		21.08 22.86		β Lupi. Libræ	
4.83			18.31	.200	09.0	04.0			6.4	5						62		21.52			
5.95	8	40	40.30	.203	59.0	54.5			8.8	,						64	44	45.92	1800	b Scorpii	
			41.19	202	50 O	E4 E			0.0							64				b Scorpii.	
4.76			17.23 18.71	.203	59.0	54.5	100		2.4	6								37.06 35.58			
5.14			59.46	.204	59.0	53.5			8.9							64			1872	σ Scorpii	
0.14			58.74					100								64		4.44		σ Scorpii.	
			43.04 42.86	201	58.5	53.6			0.4								14	13.29		α Normæ. μ¹ Scorpii	
4.24			45.39						3.9)						52	14	7.46	1919	μ 1 Scorpii.	
	-3		3.10	201	-0 -	-0.0			3.8	7		10000						49.78		μ ² Scorpii.	
5.99	-9 -9		59.04 58.06	.201	58.5	52.8			9.3	2								48.39		η Scorpii η Scorpii.	
-			29.36	.202	58.5	52.0		1	24.1	3							44	3.21	1000	σ Octantis.	
-			31.17			49.8		1	17.0	3							13	8.52	2000	C Octantis.	
3.63			14.60 10.85	.146	57.5	48.0			24.2	1								35.59 31.84	1000000000	σ Aquarii σ Aquarii.	
5.26			14.29	.143	56.5	46.0			00 0		0 10				To the			37.85	2000	Georgean	
5.20	24	35	13.81	1					26.9	1	0.18							37.37		Georgean.	
8.17)	24 9		57.98 3.32	.140	55.0	45.0			26.8	24	45.42		16	28.	53	79		7.61		D	
F 00				30.138	56.0	45.4			24 4							86		7.85	2841	n Piscium	
5.30			36.25						34.4	1						86		7.45	2841	n Piscium.	
				30.070		100000000000000000000000000000000000000		1	0.4			1000								α Normæ.	
	76 :	38	43.98	.070	58.5	54.2		3	59.0	He					3	132	46	39.74	1905	σ Herculis.	

Coincidence of Micrometer Wire with fixed Wire, =20°.156 One revolution =40".335 Correction for Runs =+2".90 Adopted Zenith Point to July 21st, at Noon, =326°.04'.05".50 From July 21st, =326°.04'.05".39 Assumed Co-latitude =56°.03'.56".75

Month		NAME OF STAR		Mi	icrosco	pes.			Micrometer			cluded	s of
and	No.	or	A	В	C	D	E	F	or Time by Molyneux.	fo Microm. or Time.		ding Circle.	Initials of
Day.		PLANET.	, ,	-		-	"	-	r.	, ,	0 /		193
				-	-	_		-	A. m. z.		-		-
21 July	1947	k Scorpii	6 49.4									6 44.93	T.I
	2027 2027	κ Scorpii M.R.	4 27.0 3 52.1							-5.81		4 24.52 3 46.44	T.1
24 July	807	CanopusM.R.	44 46.8							_43 36		3 59.10	T.1
24 July	807	Canopus	24 20.8							-	307 2	4 13.93	T.1
	838 838	Sirius M.R.	38 25.8 29 64.5							-28.44	128 3		T.I
		(a) §'s centerM.R.	15 43.0							-1 23.53			T.
25 July	- 10	⊙ S.L M	23 43.4	28.5	24.5	42.3	51.5	25.2	19.518	+25.73	19 2	4 31.72	T.
		ONL	55 37.2							1 10 00	19 5		T.
		(b) Q's centerM.R.	8 38.0 6 36.4			40.3				-1 17.69		7 11.58	T.
		d's centerM.R.	55 93.3	103.0	55.9	119.0	58.4	105.9	23.189	-2 02.34	111 5	4 27.53	T.
	27	δ's center (c) β Hydri SP	13 34.0 12 34.0							-0.40		3 41.77 2 26.10	T.
	219	a Hydri SP	29 49.6	44.8	45.9	14.2	54.0	23.0		-0.40	242 2	9 39.01	T.
	1721	f Lupi M.R.	33 28.6 41 44.4						14 15 20 21.289	-45.70		3 23.53 $1 2.01$	T. T.
	1731 1731	f Lupi	26 74.0							-40.70	330 2		T.
	1768	Libræ M.R.	43 37.0	58.0	27.0	60.4	28.1	40.7	20.056	+4.03		3 45.68	T.
	1768 1800	b ScorpiiM.R.	24 26.3 22 48.3							+30.05		4 24.17 $3 23.59$	T. T.
	1800	b Scorpii	44 47.1	46.8	52.0	42.3	49.2	32.0		o block	334 4	4 45.87	T.
	1835 1835	θ Lupi M.R. θ Lupi	29 40.5 38 56.0							-16.58		9 23.15 8 47.98	T. T.
	1876	7 Herculis	36 36.0	73.3	73.9	10.0	95.1	06.0			The second second	6 49.22	
	1889	a Normæ				15.5					100000000000000000000000000000000000000	9 22.26	
	1905 1913	σ Herculis η Herculis	10 49.2			67.0					1000	2 45.91 1 09.73	
		σ Octantis	45 41.0	51.0	41.2	21.2	43.3	19.0			270 4	5 36.18	T.
	2071	γ Draconis	20 17.8 6 27.0				E 0.000 DO A.S.	100000	18 01 30			$025.89 \\ 619.56$	
		o Octantis							0 26 30	+3.66		5 52.34	
	219	α Hydri M . R . α Hydri	30 54.0			31.6				-2 00.76		8 52.50 9 19.84	
	213	z Octantis SP							14 16 32		267 2	9 53.98	T.
	319	ε ArietisM.R.	28 57.0	53.6	32.7	46.7	36.0	43.5	20.941	-31.66		8 14.04	
	319	ε ArietisM.R.	39 31.1 28 45.6							+1 02.20		9 55.44 9 30.37	
		(e) D N.L	38 13.0	59.3	57.3	12.0	83.7	54.3	3		21 3	8 38.63	T.
	414	η Tauri M.R.	33 43.8 35 60.5	109.0	22.8	30.9	26.2	31.6	19.919	+9.8		3 43.74 4 25.15	
	699	α Columbæ	50 49.0	34.8	3 44.3	3 26.0	34.0	16.4	5		325 5	0 32.65	T.
	734	α OrionisM.R. α Orionis								-18.6		6 29.95 1 41.16	-
	807	Canopus M.R.	21 23.1 44 39.3	329.0	55.0	12.0	39.8	17.0	20.98	-33.4		3 58.65	
	807		24 19.3	3 21.0	14.1	1 12.7	05.8	02.4	1	41.0		4 13.31	
	838		38 38.9 29 65.9							-41.9	1 128 3 343 3		
00 1-1	2.13	ONIN	100000		1		1000	1		1 14 2	10		
26 July	150	⊙ N. LM ⊙ S. L	43 47.8							-1 14.3		1 25.80	
	-	z Octantis SP	29 56.0	0 64.4	157.0	31.8	61.8	30.8	8 2 19 00	0.7	7 267 2	9 49.99	T.
	329	γ Persei	138 38.4	561.0	63.8	8 09.8	77.6	310.5	2	1-12/19/4	1 52 3	8 43.83	T

Molyneux fast, July 25th, 11s .- 26th, 6s.

 ⁽a) Observed at the 1st Wire. Correction for Motion, 0".70.
 Invisible by direct vision. ? Mispointed.
 (b) Correction for Motion, 0".77
 (c) Observed 54^s. past Meridian.
 (d) Very faint. Observation uncertain.

Sec. of appa-		arer	t Zenith		The	ermom	eter.			2		Microm.		Semi	-	Georg	. e	P. D. of		NAME OF ST	ne -
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Refr	action.	Par	allax.	opposite Limb.	dia	met	ter.		Cent		No. ASC	NAME OF ST or PLANET.	
"	0	,	"	Inch.	0	0	0	,	"	,		r	,		17	0	,	"		PLANEI.	
	0	2	39.54	30.070	58.5	54.0		N.V.	0.05			93.63(6)				56		36.34			
5.48	-5 -5	0	18.95	30.070					5.09							51 51	3	32.53 32.71	2027 2027	ε Scorpii ε Scorpii.	1
6.52	-18	39	53.71 51.46	30.406	58.4	56.0			19.71							37 37		43.33 45.58	807 807	Canopus Canopus,	3
3.70	17	26	4.53	30.408	58.4	56.3			18.31							73	30	19.59	838	Sirius	1
		26 49	1.15 54.48					1 :	25.71		5.36					10000	75.75	11.58	838	Sirius.	1
			26.33 55.97	30.416	59.2	57.5	52.0		18.03 19.54		6.75		15	46	.30			20.66 19.16	976	0	
(5.62)	49	56	53.81	.418	59.5	57.8		1	9.08		4.08	1000				106	1	55.56	1	2	1
(4.65)	34	9	54.26 37.86	.445	59.0	56.0	53.0	18	39.63		2.57					106		56.01 11.67		\$	1
1	34 -67		36.38 39.29	.449	59.0	55.6			22.71		2.01					1000	14	10.19 5.25	27	δ β Hydri SP.	
1 100	-83	34	26.38	.485	58.6	51.3		8	4.80		100	0.011				-27	38	34.43	219	a Hydri SP.	
5.61	4	23	41.86		58.0 58.2			1	4.54								27			z Octantis. f Lupi	1
		23 20	3.81 19.71	.500	58.2	51.0					183	100				60				f Lupi. Libræ	1
4.93	6	20	18.78 41.80		58.2	Con Con		13	6.57							62		22.10		Libræ, b Scorpii	1
4.73	8	40	40.48				anne de		9.02							64	44	46.25	1800	b Scorpii.	
5.57			17.76 17.41	.506	58.0	50.3	47.0		2.50											θ Lupi θ Lupi.	1
3			43.83		58.0 58.0			5	42.77									23.35			
	76	38	40.52	.507	58.0	50.0	46.8		4.53							132	46	41.80	1905	σ Herculis.	
		18	4.34 29.21	1000000	58.0 57.0				12.76								14 44	13.85 2.15	1913	σ Octantis.	
	85		20.50	700000000	57.0 57.0				0.04							56	6	10.96	2071	γ Draconis. Planetary Ne	bu
	-55	18	13.05 47.11	.510	57.0	49.0			25.54							0	44	18.16	010	o Octantis.	1
6.17	-28	24	45.55		56.0				32.13							27		37.51 39.07	219 219	a Hydri.	
			11.41 51.35		56.0 55.0			800	36.81							-2 110	31	51.47	319	z Octantis SP ε Arietis	'. 1
4.74	54	35	50.05 35.02					1 :	23.23							110	41	10.03	319	ε Arietis.	1
	55	34	33.24		55.0		1		26.26	46 1	11.66		16	18	.08	110	37	28.29 26.51		D	
4.45			21.65 19.76	.498	55.0	49.8	46.5	1	32.77									51.17 49.28		η Tauri η Tauri.	1
			32.74 35.44		56.0 56.0				0.24			EGE				55	50	23.77 23.93	699 734	a Columbæ.	1
5.56	41	17	35.77	10000				100	51.74	3 33		100				97	22	24.26	734	a Orionis.	
5.98	-10	03	53.26 52.08		57.0		1	1	19.86							37	23	43.63 44.81	807 807	Canopus.	1
4.97			3.25 2.40	30.508	57.5	55.0		1	18.42									18.42 17.57	838 838		-
				30.475	58.5	57.3	52.2		19.10		6.78		15	AG	.30			14.23		0	
	53	7	21.14	I have	1000	Election 1		1	17.60 35.64		6.74		10	40	.00	103		15.05 53.56		O z Octantis SP	,
				30.398	56.5	53.6	31.0		0.04			Land of						55100	329	γ Persei.	

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.156$ One revolution =40''.335 Correction for Runs =+2''.90 Adopted Zenith Point $=326^{\circ}.04'.05''.39$ to July 26° h. From July 26° h, $=326^{\circ}.04'.04''66$. Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Month	100	NAME OF STAR	_		M	licrosc	opes.	-	MARKET ST	Micrometer	Correction		cluded	Jo.
and Day.	No. A.S.C.	OF.		A	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.		ading Circle.	Initials of
Day.		T DANE I	1		"	"		0		7. A. m. s.	1 11	0	, ,	10
ğ 26 July	340	(a) Persei	51	51.	0 78.2	82.4	23.3	98.6	20.8		-1.27	48 5	1 57.98	T.N
100	365	a Persei			8 85.0							49 0		
	414	η Tauri M.R. η Tauri			$026.8 \\ 049.9$					19.675	+19.40		3 42.01	
	414	(b) D N. L			8 110.0						-7 66		4 26.60 6 18.60	
	699	a Columbae			2 33.4						-7.00		0 32.62	
4 27 July		(c) ⊙ S.L			283.0							18 5		
		⊙ N. L			109.6						20 50	22 2	9 28.68	-
	63	(a) o's center	119		0 86.6						-36.58	100000000000000000000000000000000000000	453.67 314.74	-
	2	(e) d's centerM.R.	25	44.	4 55.9	12.8	69.0	19.8	54.7	21.451	-52.23		4 51.09	
		6 s center	40		021.4								3 16.61	
	60	β Hydri SP (f) a Cassiopeæ			4 35.5								$\frac{2}{3} \frac{26.30}{23.76}$	
	699	α Columbæ	50	41.	1 30.0	45.7	26.1	34.8	18.5		-1.00		0 32.75	
	807	Canopus M.R.	43	35.	641.8	57.6	22.4	52.5	18.0	19.664	+19.84		3 57.81	T.N
	807	Canopus			0 15.2								4 13.01	T.N
	838 838	Sirius M.R. Sirius			8 56.9 8 67.0						+16.17	128 3 343 3		
28 July		(g) ⊙ N.LM	15	28.5	270.0	72.3	27.4	97.5	11.8	20.224	-2.74	19 1	5 48.22	T.N
	10000	O S.L	43	56.5	298.6	97.1	57.7	122.8	40.0				4 19.28	T.N
		(h) 2's centerM,R.			4 39.6						-8.55		9 21.29	
	1797	γ 's center γ Serpentis			120.8							W 10 10 10 10 10 10 10 10 10 10 10 10 10	845.03 22.87	T.M
	1823	ScorpiiM.R.			52.0						-6.41		7 32.13	-
	1823	∂ Scorpii			35.3							700000000000000000000000000000000000000	0 35.58	1000
		(i) 7 Herculis			269.0								6 55.70	1000
	1913	(i) σ Herculis (i) η Herculis			63.3								248.07 113.20	1
	699	a Columbæ			29.6								0 32.62	120.00
	734	a Orionis M.R.			46.0					20.220	-2.58		6 27.92	T.N
	734 807	α Orionis			2 47.1 5 53.0					19.980	.7.10		1 38.88	T.N T.N
	807	Canopus			5 15.9					19.900	+7.10		357.91 413.58	T.N
	838	SiriusM.R.			3 51.2					21.125	-39.08			
	838	Sirius	29	68.0	65.6	78.2	58.5	80.5	47.5			343 3	0 7.21	T.N
h 29 July	1	⊙ S. L. M ⊙ N. L	30	43.8	84.5	88.0	41.2	115.6	24.0	21.337	-47.64		0 18.32 1 48.57	
		(k) 2's centerM.R.			557.1					22.408	-1 30.34			T.M
	11/18	(1) 9's center			262.2						Sec. 128	14 2	3 53.13	T.N
	1923	(m) d's centerM.R.	100		3 47.2		100 E 1 E			20.525	-14.88		5 20.62	
	1885	Antares M.R.	1000		138.8	-0-0				20.510	-14 98		2 46.76 2 11.87	
	1885	Antares			55.9					20.010	14.20		5 57.75	1 mm
	1919	μ 1 Scorpii M.R.	53	40.	1 38.6	43.9	37.5	34.6	30.3	20.156		149 5	3 47.64	T.N
	1919	μ¹ Scorpii	14	28.5	2 15.2	33.9	11.1	20.6	05.3				4 19.69	
	1921	μ² ScorpiiM k Scorpii	6	51	42.0	57 0	37 4	46 9	30 0	17.640	+1 41.48	326 0	6 1.17 6 44.19	
	1047	σ Octantis	108		46.8	1000				17 09 24			5 30.88	
	2027	κ Scorpii M.R.	4	34.	35.8	39.0	30.8	33.2	26.0	20.370		151 0	4 24.64	T.N
	2027	(n) « Scorpii	3	54.	9 42.8	56.2	39.4	44.2	31.0		A CA BAS	321 0	3 45.40	T.N

27th, 6°.—28th, 7°.

(a) The Reflected Observation at the 2d Wire, and the direct 35°s, past Meridian.
Correction for Curvature of Path and Motion, 40".47 and 0".40

(b) Nebulous.

(c) Observed at the 2nd Wire. Correction for Motion and Curvature of Path, 40".46

(d) Observed in the middle of the 4th space. Correction for Motion and Curvature of Path, 40".51

(e) Correction for Motion, 6".48

(n) The Stars are like mops. A brisk and hot South wied.

⁽a) Observed at the 5th Wire.

(b) Observed at \(\frac{1}{2} \) space beyond the 5th Wire. Correction for Curvature of Path, 0%.56

(c) Found the Limb in contact with the fixed Wire.

(d) Correction for Motion, 0%.79

(e) Correction for Motion, 0%.48

(f) Observed at the 5th Wire. Nebulous.

(g) Limbs fringy.

Sec. of appa-			zenith		The	rmome	eter.						Microm.	6	emi-	1	Geor	9	P. D. of	1	NIME	
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	fractio	n. P	arı	allax.	for opposite Limb.		mete			Cent		No. ASC	NAME OF ST or PLANET.	
,		,	"	Inch.	0	0	0		, ,		,	"	r	,	"		0	,	"		- ARTHUR,	
	82	47	53.32	30.398	56.5	53.6			14.9							N	138		4.98	340	Persei.	
	83	5	4.84			53.6		7	30.9	99				10					32.58		a Persei.	
4.31	57		22.65	.399	56.5	53.8		1	31.	14							113	35	51.14	414	η Tauri	-
2000	57 59		21.94	30.409	56 5	55 0		1	38	14 42	2	37.87		15	77	24	113		50.43	414	η Tauri.	
			32.04	00.403	00.0	00.0			0.5			,,,,,		10		04			24.48	699	a Columba.	
	52	53	56.29	30.437	58.6	58.3	53.6	1	16.	14		6.72		15	10		109	14	49.56		0	
			24.02			1000			18.5	21		6.76		10	46.	30	109	14	45.72		0	
4.21)	49		10.99	.433	59.0	58.4	54.5	1	7.	3		4.05							10.82	11-1	\$	
	49		10.08	496	59 9	56.4	52 5												$9.91 \\ 46.62$	Mel	\$	1
(3.85)		-	11.95	.420	00.0	00.4	00.0	1	38.8	32		2.52		16			89	43	45.00		8	,
		200	38.36	.426	58.0	56.4		2	22.3	38						1	-11		3.99	27		
	89		19.10	.405	57.5	55.4						13.5		10						60	a Cassiopeæ.	
		2000	31.91						0.5	23									24.61	699		
5.41			53.15 51.65	.452	58.0	58.8	55.6		19.	34									43.96 45.46	807		
	17	26		30.456	58.0	59 0	55 8		12200	100						3			19.59	807 838	Canopus. Sirius	1
3.59		26	2.45	00.400	00.0	00.0	00,0		18.5	25				88.			73	30	17.45	838	and the second s	
	53	11	43.56	30.429	59.0	61.4	56.0	1	17.	18		6.74		15	46.	60	109	1	4.05		0	
			14.62						15.	33		6.70		10	40.	00	109	1	6.90		0	
3.16)	7750		43.37	.420	59.2	61.2	57.0	1	5.	19		4.03							41.88		\$	1
			40.37 18.21	380	50 0	56.0			0.8	20									38.88 15.78	1707	γ χ Serpentis.	
	11		32.53			56.0											67	50	41.44	1823	& Scorpii	1
3.86			30.92					10	12.	6							67	50	39.83	1823	à Scorpii.	
11.5			51.04			56.0			36.								136	42	24.34	1876		
			43.41			56.0			2000										40.80			
	73	7	8.54 32.04			56.0 58.0	53.0	3	9.3										14.99 24.48		η Herculis. α Columbæ,	
4000	41		36.74			58.0				86 3									24.48	699 734	a Orionis	1
3.40			34.22	.010	0,.0	00.0			50.8	17		4771							21.84	734	a Orionis.	
5.75			53.25	.316	57.6	61.0	56.0		19.4	7				10			37	23	44.03	807	Canopus	1
0.10	-10		51.08						10.	1									46.20	807	Canopus.	- 12
3.84		26 26	2.55	30.314	58.0	62.2	56.0		18.0	5									19.00 17.35	838 838	Sirius Sirius.)
	52	26	13,66	30.260	58.8	63.0	57.0	1	14.3	6		6.68					108	47	4.79		0	
	52	57	43.91						15.7			6.72		15	46.	70	108		3.02		ō	
3.30)			51.19	.210	60.1	64.5		1	3:9	9		4.02				- 1			47.91		9	1
,	40		48.47	170	60 0	63.0										1			45.19			,
3.69)	33		42.10	.170	00.0	03.0			37.2	9		2.47	B. Gran						15.61		8	I
4.81	7	51	52.79	.127	58.8	56.6			7.9	8		1.(0)					63	55	57.52		Antares	1
1.01			53.09		50 0	FO -						1	3-1						57.82		Antares.	_
3.67			42.98 44.97	.126	58.6	56.5	1	- 1	3.8	7									9.90		μ¹ Scorpii	F
			3.49						3.8	2									49.42		μ ¹ Scorpii. μ ² Scorpii.	
	0		39.53	The same	1				0.0										36.33		k Scorpii.	
		18	33.78			57.5	1	1	23.0			145	2.3					43	59.89		σ Octantis.	
5.02	-5			30.116	58.5	60.2			5.0	2		0.0	112			-	51		31.75		к Ѕсогріі	I
	-5	0	19.26							0.0							51	3	32.47	2007	κ Scorpii.	

Coincidence of Micrometer Wire with fixed Wire, =20°.156 One revolution =40°.335 Correction for Runs =+2°.90 Adopted Zenith Point =326°.04′.04°.66 Assumed Co-latitude =56°.03′.56″.75

Month	1000	NAME OF STAR			M	icrosc	opes.			Micrometer	Correction	(uded	Initials of Observer.
and	No.	or		A	B	C	D	E	F	or Time by Molyneux.	for Microm. or Time.		read of Ci	ling ircle.	tials
Day.	A.S.C.	PLANET.	_		-	-									O E
			'	"		"		"	"	h. m. s.	' "	0	'	"	
29 July		Georgean M.R.									+22.39	100000		5.75	T.M
		Georgean			1	71.2						350		4.39	T.M
2 Aug.		(a) σ Octantis (a) ε Sagittarii				39.3 57.6				19 09 40	+0.03			34.77 46.34	T.M T.M
3 Aug.	699	a Columbæ				46.6								34.07	T.M
	734	a Orionis M.R.				04.8					-6.73			27.15 40.58	T.M T.M
	807	Canopus M.R.				66.1					+10.41				T.M
	807	Canopus				15.2						307	24	14.29	T.M
1	838 838	SiriusM.R.				23.8					-53.24			8.81	T.M T.M
4 Aug.		(b) ⊙ N. LM	30	38.0	76.0	68.1	38.2	103.1	20.0	19.737	-16.98	17	31	14.30	T.M
		⊙ S. L	59	21.8	62.8	60.0	24.8	86.0	07.0			16	59	43.91	T.M T.M
1		(c) Q's center M.R.				79.1					-1 29.71		47	2.70 5.25	100
	1818	πScorpiiM.R.				24.3					+0.40			43.67	T.M
	1818	πScorpii				33.0								25.89	
	1836 1836	(b) β¹ Scorpii M.R. β¹ Scorpii				57.8					+14.92			26.79	
	1872					21.5					+27.75				A 100 M
	1872	σ Scorpii				71.0						334	48	3.43	
		(d) AntaresM.R. Antares				30.5					-37.11			56.10	
. We	1885 1915	44 44				63.2					111011	170000		26.62	
	1010	(e) σ Octantis				37.0						270	45	32.60	T.M
10 Aug.	1781	κ Libræ M.R.				19.8					-35.25	131	17	10.56	T.M
	1781	(f) κ Librae				2 62.0					+1.20			53.95	
	THE STATE OF	* (7 mag.)M	40	10.	14.	7 22.0	12.0	20.1	39.0	24.851	-3 09.29				- Jan 2 4
	1885					0 18.				20.712		138	12	11.50	
	1885	The state of the s				3 65.								57.23	
	1900		16	94	32.	0 39.0	5 50 3	36.	19.3	20.470	-12.58			32.07	
	883					9 60.8					-12.00	333	51	54.75	
11 Aug.	1	⊙ N.L M	33	40.	1 77	5 61.0	59.0	84.8	40.0	21.725	-1 03.20	15	32	57.21	T.M
	1 9	Ø's centerM.R.	11	03.	7 40.	4 24.	1 45.3	321.9	04.4	02 600	-2 19.64	100	01	23.66	T.M
	1 3	(g) & s center	58	40.	7 62.	9 23.5	4 52 .3	69.	41.9	23.620	-2 13.0-			54.91	
	1	(h) 9's center	30	01.	2 30.	4 17.	1 20.5	234.7	7 04.0		+1.68			19.64	T.M
	27	The state of the s	12	40.	0 33.	251.	0 51.0	55.	5 57.0					28.18	
	1885	Antares M.R.	55	55	8 66.	0 30.	884.8	3 29.	66.3	19.780				10.33 57.43	
	1000	D N.L	39	24.	0 27.	5 29.	8 26.6	529.	311.0		11.2			25.12	T.M
	1967	A Ophiuchi Seq. M.						1000		21.551				28.93	Towns Com. or
	1967		20	20	5.56				1:::	21.643				25.14	Same and
	2101	(k) γ ² Sagittarii M.R. β TelescopiiM.R.	56	19	1 32	0 22. 8 07.	4 47	7 03	33 9	20.770				18.25	Acres 100 to
	2101		11	53.	0.53.	6 60.	6 47.8	3 54.	1 33.4	5	0.00			50.87	T.M
	2110		32	48.	0.48.	2 56.	0 50.	1 42.	29.0	0	E S			45.80	
-	1 699					-			-		-	325	50	35.48	1.00
(a) Crabb			Mo	lyneu	x fast	, Aug	, 2nd	35	-3rd,	ls. exion Observ	ation on the	NF.	widi.	n the	direct
		the Meridian.					V.	Ane	rene	A CONSTRUCTOR	A hurried	OL	47	, , ,	

(d) Observed at the 2nd Wire.

(e) The Stars crabby. They were steady in the day-light.

(i) Observed at 75°, past the Meridian.
(k) Observed at the 5th Wire.

Sec. of appa-		in ros	t Zoniti	Barom.	The	rmome	eter.			-		Microm.	6	lomi		Gene	. 2	P. D. of		NAME OF ST	
rent Zenith Point.	API	Dist	ance.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Pa	rallax.	for opposite Limb.	dia	met	er.		Cen		No.	NAME OF ST or PLANET.	
	0	-	"	Inch.	0	0	0	-	"	-	"	r	,	-	,	0	,	"		PLANEI.	-
5.07			58.91 59.73	30.054	57.4	51.4			26.50		0.18							21.98 22.80		Georgean Georgean.	
				30,234 30,236				1	24.41 0.53	4								2,45 37.90		σ Octantis. ε Sagittarii.	
3.87	43		30.59 37.51	30.200	58.0 58.0				0.23 50.75			on a				97	22	25.93 25.01		a Columbæ, a Orionis	
4.75	-18	39	35.92 50.55	.197	58.5	58.2	57.0		19.49							37	23	23.42 46.71	734 807	Canopus	
3.93	17	26		30.194	59.0	58.8			18.10	19						73	30	46.89 20.47	838	Sirius	
	11	26		20, 150	00 0	01 4	50.0	,			6 50					107		19.00	838		
	50		39.25	30.150	60.8			1	11.72 10.40		6.59		15	47.	.50	107	16	24.02 27.36 53.07		0	
(3.98)	45	43	0.59		60.2				58.27		3.91					101	47	51.70	1010	♀ ♀ # Scorpii	
4.78	8	17	20.99 21.23 23.52		60.0				8.42							64	21	26.40 35.30	1818	π Scorpii.	
3.97	14	34	22.13 57.19		59.5				15.03							70		33.91	1836	β¹ Scorpii.	
5.45	8	43	58.77 52.73		59.0				8.90						1	64	48	4.42 57.50	1872	σ Scorpii.	
4.02	7	51	51.44 38.04						8.02						10		55	56.21 18.65	1885	Antares.	
	-55	18	32.06	30.136	59.0	52.0	50.0	1								0	44	0.69		σ Octantis.	
2.26)			53.91 49.48	30.596	56.0	50.0			15.68								51	1.91	1781 1781	The second secon	
		44 41	9,93 0.64	.596					$\frac{10.04}{11.22}$		36.37		15	47.	20	66	45	53.15 8.61		D *(7 mag.)	
4.37			52.97 52.76						8.21							63	55		1885	Antares.	
5.34		47		.604 30.594	56.0 5 55.0	50.0	50.0		6.31 8.09							62	51	30.66 53.39	883	& Canis Maj.	
			50.28	20 500	50.0	57 0	50.5	,	8.32		6.42				-	08.61		55.12	883		Ti
	48	57	19.19	30.560	28.1			1	7.07		6.36		15	48.	60	105	18	5.25		⊙ ⊙ ×	
4.62)	45	54	50.14	.513	58.0		00.0	1	0.12 53.20		4.69 3.76					101	59	42.32 42.62 1.36		ž Ž	
and the	-67	51	15.17 36.29 54.14	.469	58.0 56.5	59.0	53.0	2	21.86		0.70				-	-11	50	1.40	27 1885	β Hydri SP. Antares	
3.88)	7	51	52.96 20.65		56.5				8.11 7.84	7	35.44	-	16	2	94	63	55	57.82 46.86			
	7	34	24.46 20.67		56.5				7.82					-	7	63	38	29.03 25.24		A Ophiuchi Se A Ophiuchi P	
	3	30	44.97	.465 30.465	56.25 56.25				3.60						-	59	34	45.32	2079	γ ² Sagittarii β Telescopii	
4.56	-2	52	13.60 18.67	100					0.54			-150.				53	11	40.20	2101	β Telescopii. ε Sagittarii.	
			28.99	100	1				0.23		1.13				!					α Columba.	

Coincidence of Micrometer Wire with fixed Wire, =20°.156 Aug. 3rd, =20°.158 One revolution =40".335 Correction for Runs =+2".90 Adopted Zenith Point =326°. 04'. 04".66 to Aug. 5th. Aug. 10th, =326°. 04'. 04".47 Assumed Co-latitude =56°. 03'. 56".75

Month		NAME OF STAR			M	icrosc	opes.			Micrometer or Time by	Correction			nded	s of
and	No. A.S.C.	or		A	В	C	D	E	F	Molyneux.	fo Microm. or Time.		ead f Cir	rele.	Initials of Observer.
Day.		PLANET.	,		"		"	11	11	r. h. m. s.	, "	0	,	"	
11 Aug.	734	α OrionisM.R.	45	51.6	39.5	23.1	47.0	20.4	45.0	18.925	-49.73	104	46	27.69	T.M
	734							49.8						40.01	T.M
	807	CanopusM.R.								19.660	-20.09				T.M
	807	CanopusM.R.						21.5		19.631	-21.26				T.M T.M
	838							13.1			-21.20				T.M
12 Aug.								81.2			-34.77				T.M
300	07	O N. L						82.4						2.23	T.M
	27	β Hydri SP δ's centerM.R.						51.8 02.6			-14.88				T.M T.M
		(a) & scenter						56.5							T.M
	1986	θ OphiuchiM.R.						18.4			-35.86				T.M
	1986	θ Ophiuchi						66.0				335			T.M
	- 2	⊅ S. L	40	10.1	13.0	20.0	111.	18.8	0.0	24.880	-3 10.46			13.51 3.05	T.M T.M
	2163	ø SagittariiM.R.	17	37.8	54.	19.8	70.0	18.9	51.2			139	17		T.M
	2163	φ Sagittarii						54.6						50.77	T.M
	699	a Columbæ						39.2			+23.89				T.M
	807	(b) Canopus M.R. Canopus						18.4				100000000000000000000000000000000000000		52.51	T.M T.M
	838	Sirius M.R.	1000		-			18.8		The second secon	+13.23	128	37	57.52	T.M
	838	Sirius	30	09.	0 10.	8 10.5	2 11.4	5 13.3	00.0			343	30	9.48	T.M
13 Aug.		⊙ N.L M						88.0			-1 08.6				T.M
		OS.L	25					42.5			-1 21.9			20.80	-
		(c) &'s center	31					281.0				10	32	4.42	T.M
		(d) 9's centerM,R.	37					6 59.8			-1 03.0				
		g N. L	31					771.3			59.0			58.06 45.02	
	1	(e) & s center	21					5 27 .5			-55.0			24.03	14 500 50
	2110	ε Sagittarii						2 48.5						47.03	
	2163	φ SagittariiM.R.	17					8 08.7			-14.1			17.87	
	2163	φ Sagittarii	50 27					8 56.5 4 70.5			1000	2020		51.57	10000000
	2339	59 Sagittarii . M.R.		24.	2 39.	4 03.	7 54	0 03.0	37.	21.02	-34.9			51.82	
	2339	59 Sagittarii	24	18.	0 18.	8 22.	1 17.	0 23.0	0 04.5	2				18.14	T.N
		B Octantis	28	28.	7 26.	2 44.	8 43.	0 44.5	2 46.	5 19 54 30	+.0			19.28	
	699	A Octantis SP	50	34.	0 28.	5 46.	8 45.	8 39.	3 49.	20 34 20	1			32.23 36.22	
	734	a Orionis M.R.									+52.8			26.23	
	734	a Orionis	21	31.	5 48.	0 39.	G 44.	2 51.	0 36.	7		7	21	41.76	T.N
	807	CanopusM.R.									+16.9			53.01	
	807	CanopusM.R.	1000		100000			4 22.	0 00000		197 4			16.94 57.90	
	838							8 14.			127.4			9.44	
14 Aug.		(f) ⊙ S.LM						8 77.			0 -55.7			57.30	
	1	O N. L	38					055.			5 20 1	3 100	38	33.23 48.66	T.A
	1	(g) §'s center . M.R.	48					0 35.			-30.1	9	48	19.19	T.N
h 19 Aug		B OctantisM.R.	40	29.	0 58	1 39.	3 46.	4 34.	0 04.	7 19 44 1 20.77		9 201	39	50.51	T.N
		B Octantis								20.11		2000	00	18.58	m a

Molyneux fast, Aug. 12th, 1s.—19th, 3s.

 ⁽a) Correction for Motion in Declination, 0".59
 (b) The Micrometer reading was inadvertently not entered.
 (c) Correction for Motion in Declination, 1".39
 (d) Correction for Motion in Declination, 0".93

⁽e) Correction for Motion in Declination, 0".49 (f) Limbs flocculent. (g) Correction for Motion in Declination, 1".39

Sec. of appa-		rent	Zenith		The	rmome	eter.			n	- 1	Microm.	S	emi-		Geoc	S. 1	P. D. of		NAME OF ST	
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Refr	action.	Parallax		opposite Limb.		met			Cent		No. ASC	NAME OF ST or PLANET.	
	0	1	0	Inch.	0	0	0	,	0	' "		r	,	n		0	1	"		T LANGE.	
3.85				30.418	54.6	50.0	48.2		51.85						16			25.38		α Orionis	
5.41			35.54 49.06	.416	55.0	56.0	51.7		19.72							37	23	24.14 47.97	734 807	The second secon	
		39 26	47.18 6.48	30.416	55.0	56.4	51.7		1							37 73		49.85	807		
3.41	7 9	26	4.35						18.32			1777				73	30	19.42	838	Sirius.	
1			21.50 57.76	30.374	57.3	59.5	55.0	1	5.72 6.94	6.3		F. 1	15	48	.70	105 105	0	6.33		0	
			38.59					7.7	20.00		00					-11		1.84	27	Θ β Hydri SP.	
4.04)	-		50.50 49.63	.358	58.2	64.0	56.5	1	32.52	2.	13	8,773						17.64 16.77		8	
4.89	9	5	56.16	.364	57.0	53.5		193	9.38			6,117				65	10		1986	δ θ Ophiuchi	
4.05	9	5 39	56.99 9.04	260	56.5	56 0		132	5.77	5 42.	14	1.10	16	18.	06		10	3.12 47.48	1986	θ Ophiuchi.	
	5	35	58.58				. 3		5.71	0 42.	1.2		10	10,	.00	61	40	1.04		*7.8 mag.	
3.32			48.60 46.30	.362	56.5	55.8			6.93				13					52.28 49.98			
			28.48	11.10	-		32.0		0.23				8					28.04	699	a Columba.	
4.97			48.04 47.05	.420	56.4	57.5	55.0	-	19.67				6			37		49.04 50.03	807		
3.50	17	26		30.420	56.5	57.8	55.8		18.27							73	30	21.97	838	Sirius	
0.00	17	26	5.01				1 8		10.27							73	30	20.03	838	Sirius.	
				30.392	58.2	62.5	57.3		5.89				15	48	.90			58.22		0	
			16.33	.380	58.8	63.8		1	4.69				-	10		104		0.36 49.24		ě O	
4.05)	44	27	59.95						56.32	4.	62					100	32	48.40		§.	
			49.89 53.59	.380	58.8	61.5			50.94	3.	71	20.402		4	.92	2000		33.87	13	9	
(4.53)			19:45	.360	58.6	60.2	56.4		32.41		-	*				0.5		46.50		8	
			19.56 17.44	1			1 8		0.53	100	5,92					55	32	38.78			
4.72			46.60 47.10	.357	57.5	56.4			6.92	in a		1.199						50.27			
	6	24	0.54		57.0			;	6.54	6 33.	75		16	30	.22	62	38	0.30		D	
4.98			12.65 13.67	.357	57.0	55.7		1	6.46			2-31-61						15.86 16.88			
4	-55	35	45.19		57.0				24.95							0	26	46,61		B Octantis.	
			32.24 28.25		57.0	55.0	1	1	31.90 0.23			1	1				37 50			A Octantis S α Columbæ,	81
4.00	41	17	38.24	0.00000	57.0	57.8	53.2	2	50.83			1108				97	22	25.82	734	a Orionis	
	42.1	39	37.29 48.54 47.53	.280	57.0	59.0	54.3	3										24,87 48.69	1000000		
4.98	-10	03	47.00	140000000			1000		19.52							37	23	49.70 21.50	807	Canopus.	
3.67			4.97	30.379	57.0	3.60	55.2	1	18.18	British:						100000		19.90	02000	C1 1	
				30.245	59.0	64.4	58.2	I	3.45		27		15	49	.10			35.86	1	0	
(3.93)	142		28.76 15.81	30.214	59.6	65.4	59.5	2 1	4.63		33		100			1104	49	34.71 2.40		ð O	
(3.93)			14.72					-	54.43	4.	59					99	49	1.31		ă	
		35	46.89	30.009	56.0	50.0	50.0									0	26	44,96	1	B Octantis	
4.55	-55	35	45.04	1	1		1	1	24.90				-			0	26	46.81		B Octantis.	

Coincidence of Micrometer Wire with fixed Wire, = 20° .158 One revolution =40''.335 Correction for Runs =+2''.90 Adopted Zenith Point to Aug. 15th, = 326° . 04'. 04''.47 From Aug. 15th, = 326° . 04'. 03''.62 Assumed Co-latitude = 56° . 03'. 56''.75

Month	No	NAME OF STAR	-		M	icrosc	opes.		-	Micrometer or Time by	Correction for Microm			luded	Initials of
and	1000	OF.		A	В	c	D	E	F	Molyneux.	for Microm. or Time.			ling ircle.	ials
Day.	A.S.C.	PLANET.	-												Init
			'	"	"	"	11	"	"	h. m. s.	, ,,	0	,	"	
19 Aug.	2388	aºCapricorni M.R.	11 4	12.6	48.8	15.4	66.0	12.3	49.2	21.149	+39.97				
	2388	aºCapricorni	57 (3.8	05.7	05.4	08.4	10.8	59.5		05 05)	346	57	6.06	T.
		A Oct. SP M.R.	44 3	36.0	02.8	46.6	48.2	39.0	10.2	{ 21.035 20 36 35	-35.37) +0.34	203	43	45.85	T.
		A Octantis SP							49.0	20 38 10	-0.90			23.59	T.
	2518	Piscis Austr					13.7			21 58 20				15.78 23.44	1000
	0	Georgean M.R.					74.0				+29.36				
		Georgean					53.6			15.400	120.00			48.63	
-79.9	2741	FomalhautM.R.	37 3	36.9	51.0	20.9	69.0	19.7	50.8		-49.45				
	2741	Fomalhaut	31 1	16.4	17.0	24.0	15.3	20.0	01.8	4 4 4 4 4 4	05.04			16.52	T.
	1.00	7 OctantisM.R.	29 3	39.5	04.8	51.0	56.4	42.2	14.6	{ 21.049 {23 02 00	-35.94) -0.09	200	28	49.14	T.
		7 Octantis	39 2	26.8	27.8	46.5	44.0	44.0	46.1	23 04 00	-0.001			10.19	
	la colo	Vesta	1 1	1.0	11.6	11.8	16.7	12.7	02.4	23 21 27				11.14	T.
		(a) γ 1 Octantis M.R.					00.0				-23.88			2.45	
	2849	γ Octantis γ OctantisM.R.								23 44 04 21,480	+0.31			6.82	T
	10	y 3 Octantis					45.0 11.6				+0.12				T.
		o OctantisR.								0 17 00				25.81	T.
		o Octantis	45 5	52.2	50.0	68.2	09.3	66.2	11.8	0 22 30	+.93			43.95	T.
	79	Piscium					70.9			A STATE OF THE PARTY OF THE PAR			26	5.58	T
	189	D N.L					19.4 37.5					1000		35.76	1100
	100	o tistimi	10.2	0.0	40,0	02.2	0,,0	10.1	20.0	.00.00				00.70	1
21 Aug.	9	⊙ S.L					62.2					11		2.18	T.
	1915	¿ Scorpii					23.6							26.77 42.03	T.
4	1947	k Scorpii σ OctantisM.R.					39.9				+8.51			40.67	T.
	0.00	σ Octantis					52.2			13.347	10.01			27.54	
1	2016	β Draconis	13 2	8.0	70.0	59.7	75.6	86.5	03.3	1 7 7 1 1 1		52	13	54.22	T.
	2071	y Draconis					06.9				00.00			35.33	T.
	2101	β Telescopii . M.R.					65.8			20.713	-22.38			17.80 49.66	T.
1000	2110	β Telescopii ε Sagittarii					47.4							43.16	T.
			102		10.0		1	10.0				19.0			1
24 Aug.	100		22 4	200000000000000000000000000000000000000	0.000				13/20/16/20	20.380	-8.95			56.30	
	-1330	. O S. L	The state of the s				85.0		100000000000000000000000000000000000000	01 600	-59.29			15.77	T.
	BOOK IN	(c) §'s centerM.R. §'s center					30.8			21.628	-59.29			39.82	
	1 24	9's center M.R.	10 3	5.5	37.6	21.2	33.4	24.0	26.7	22.442	-1 32.13	110	08	58.65	T.
1 19/4	4380	Q's center	58 5	8.0	76.6	58.5	78.0	70.3	67.8			1	59	9.53	T.
2 45111	0000	σ Octantis					44.0			10.004				27.02	
	2007	λ ScorpiiM.R. λ Scorpii					60.8 12.0			19.994				46.65	T. T.
		(e) γ TelescopiiM.R.					55.0			20.853	-28.03	- 1-1			T.
		(e) γ Telescopii	0.5	9.0	61.9	72.0	50.0	67.2	35.9			323	00	57.98	T.
		(e) γ Draconis	2000				25.4		0.000	CON SERVICE	BERTH			47.55	1000
	2110	(e) ε Sagittarii	32 4	16.3	46.9	58.3	36.0	52.2	22.2			325	32	43.91	T.
25 Aug.		(e) O S.L	30 1	6 9	59 8	25.2	44.2	48 0	27 0	Married Williams	A PRINCIPAL OF	10	30	35.64	T
20 1106.		σ Octantis					43.2			Marie B	Therese !	270	45	26.79	T.
	2027	κ Scorpii M.R.	4 4	15.5	37.5	27.0	53.9	17.1	55.4	20.550	-15.81	151	04	23.74	T.
	2027	«Scorpii					25.8							42.33	
	12071	y Draconis	20 2	21.2	69.4	47.0	23.2	73.5	09.0			51	20	40.61	T.

Molyneux fast, Aug. 24th, 21.5

⁽a) Observed on the Meridian.
(b) Woolly and unsteady.
(c) Flickering. Correction for Motion in Declination, 1".33

 ⁽d) Correction for Motion in Declination, 9°,97
 (e) The aperture of the Object Glass reduced to ½-inch for the Objects specified, as an experiment on the images.

Sec. of appa-			t Zenith		The	rmome	eter.				Microm.		Semi-		George	. e	P. D. of		NAME OF	
rent Zenith Point,			ince.	Barom.	Attach.	Out,	Wet Bulb.	Ret	fraction.	Parallax.	opposite Limb.	dia	amete			Cent		No.	NAME OF ST	
		,	11	Inch.	0	0	0		"	, ,	r	,	"		0	,	"		PLANEI	
2.52			4.64 02.44	30.001	56.0	50.2			22.22								23.61 21.41		α ² Capricorni α ² Capricorn	
4.72				29.990	56.0	50.0		1	31.73								17.21	100	A Oct. SP.	
4.12			40.03	29.978	56 0	50 0			1.10						-1 57		15.01 10.01	9518	A Octantis S Piscis Austra	
	-52	49	40.18	29.956	56.0	50.0		1	16.57								00.00	2010	C Octantis.	
3.36			45.54 45.01	29.946	56.0	50.0			27.99	0.18						16 16	10.10		Georgean	
4.03	3	27		29.940	56.0	50.0			3.51						59	31	12.34	Parties and		
			107	29.938	56.0	50.0		,	01.00						13		13.16 50.16	2/41	r Octantis	
4 07			43.43	7				1	21.07						1	37	52.25		τ Octantis.	
100	18	57	7.52	29.924					19.95	2.03		6			75	1	22.19		Vesta.	
			56.80	29.918	55.5	50.2		1	6.64						7 7		51.28 53.31		γ¹ Octantis γ¹ Octantis.	
0 00	-49	10	18.00	29.910	55.5	50.4		1	7.08						6	52	31.67	10	y 3 Octantis	
	-49 -55	10	17.61	29.905	55.0	50 4	1										32.06 10.92	10	γ 3 Octantis.	
4.88	-00	YO.	19.01	49.002	00.0	30.0		1	23.64			3			0	44	13.44		o Octantis.	
	38	22	1.96	29.877 29.877	55.5	50.2			45.87	39 38.99		16	5.	73			44.58 18.62	79	Piscium.	
	42	15	32.14	20.077	00.0	30.4			52.64	00 00100			0,	,,,	98		21.53	189	o Piscium.	
				30.272					59.69	6.06		15	50.	40	102		39.34	1016	0	
	-0		36.85	.210	56.0	52.0 52.0			0.06						56 56		35.21		ε Scorpii. k Scorpii.	
		18	37.05	.210			50.0	1	24.23							43	55.47		σ Octantis	
2000			36.08 50.60	.210	56.0	51.6	50.0								0	43	56.44	2016	σ Octantis. β Draconis.	
	85	16	31.71	.211	55.5	51.5									-			2071	γ Draconis.	
3.73			14.18 13.96	.211	55.3	51.4			2.93										β Telescopii β Telescopii.	
				30.211	55.3	51.4			0.53										ε Sagittarii.	
				30.088	58.0	58.8	56.0		58.01	6.01		15	51.	00	101		50.43		0	
			12.15	.054	60.0	50 3	57 0		56.95	5.96		10	01.	00	101	7 33	50.89		ě O	1
4.59)	36	28	36.20						42.36	4.28					92	33	11.03		ž	
(4.09)			4.97 5.91	.050	59.8	59.2	56.8		41.49	3.40				33			39.81 40.75		9	1
		18	36.60	.065	57.0	54.6		1	23.40								56.78	and a	σ Octantis.	
2.94	-3 -3		43.03	.065			BUIL		3.08						53 53	A 200	10.64 9.27		λ Scorpii λ Scorpii.	1
2 12	-3		4.66	.065	57.0	54.4	19		2.00	DE SE				1	53		49.00	2043	γ Telescopii	1
3.13	-3	3	5.64						3.09						53	0	48.02	0.000	γ Telescopii.	
			43.93 19.71	.065 30.065					0.53						55	32	36.51	2071	γ Draconis. ε Sagittarii.	
i	44	26	32.02	30.278	59.0	63.0	60.0		56.17	5.92		15	51.	20	100	47	10.22		0	
-	-55	18	36.83	.290	58.4	55.6		1	23.85				1		0	43	56 07	200=	σ Octantis.	
3.04	-5 -5		20.12	.286	58.0	56.3	9		5.09					-	51		31.54		κ Scorpii.	F
				30.286	58.0	56.3									700			2071	γ Draconis.	

Coincidence of Micrometer Wire with fixed Wire, =20°.158 The Coincidence is often examined, but the dates are not entered unless the readings have altered. One revolution =40".335

Correction for Runs =+2".96

Adopted Zenith Point =326°. 04'. 03".62

Assumed Co-latitude =56°. 03'. 56".75

Month	15116	NAME OF STAR	- 20		N	licros	scop	pes.			Micrometer		rrec		C	onel	uded	Jo
Month and Day.	No. A.S.C.	NAME OF STAR or PLANET.		A	В	C	1	D	E	F	or Time by Molyneux.		Mic r Tir	rom. ne.		read f Ci	rcle.	Initials of Observer.
2.1,1			,			17				"	h. m. s.	-	,	"	0	,		
25 Aug.	2101	β TelescopiiM.R.	56	38.8	33.5	223.	.04	19.8	10.8	47.0	20.550		-13	5.81			17.90	T.M
	2101	β Telescopii ε Sagittarii	11	52.1	51.4	1 70.	5 3	34.4	64.6	21.8					323	11	49.52 44.13	T.M T.M
	699								46.7								37.63	T.M
	734	α Orionis M.R.											-	7.18			24.38	T.M
	734	α Orionis	21	20.0	52.0	31.	1 3	32.2	46.4	39.9					1	21	41.49	T.M
26 Aug.	No. A	⊙ S. L M ⊙ N. L							65.4 41.0				-	1.84			49.42 29.95	T.M T.M
7 19	1885	Antonos M D	12	31.0	37.0	0 12.	.95	53.0	09.2	39.0	20.639		-19	9.40			11.04	T.M
	1885	Antares σ Octantis							65.2		17 08 15				100000		59.85 25.87	T.M T.M
7	2043	y Telescopii M.R.							10.2				-2	3.72	149		9.11	T.M
	2043 2101	γ Telescopii							72.5				7.	2 10			57.88 17.33	T.M T.M
	2101	β Telescopii M.R. β Telescopii							$06.7 \\ 65.0$				-13	2.18			49.41	T.M
	2110	ε Sagittarii							60.0								44.56	T.M
	2181	COctantisM.R.							06.1		21 58 21 20.685		-2	1.26	156		23.95 7.66	T.M T.M
	2181	∂ Gruis	40	63.1	66.	0 81.	.44	13.2	74.0	31.3		1		1000	315	41	0.22	T.M
		(b) Georgean M.R. Georgean							14.9 37.8				-	3.39			30.02 36.51	T.M T.M
	2741	FomalhautM.R.	37	32.0	33.	1 15	.04	19.5	09.2	41.4	21.095		-3	7.79	142	36	51.83	T.M
	2741	(c) Fomalhaut	30						84.0		23 00 05						13.95 19.24	T.M
	19	(d) VestaM.R.							14.0				-2	2.34			10.51	T.M
		Vesta	2	51.3	3 58.	0 56	.2	57.0	62.2	44.2		1			344	02	55.71	T.M
§ 30 Aug.	2741	Fomalhaut M.R.							04.9				-3	4.08			52.28	T.M
	2741	(e) Fomalhaut	31						25.4		28 00 23				100000000000000000000000000000000000000		15.09	T.M T.M
	100	VestaM.R.	37	34.8	3 29.	6 13	.8	42.4	03.2	33.3	20.353		_	7.86	128	37	18.45	T.M
	70	(f) Vesta	30	44.3	348.	8 50	.4	48.2	52.7	35.3					343	30	47.29	T.M
4 31 Aug.		7 Octantis	39	24.9	223.	2 49	.9	32.8	47.5	38.0	23 00 23						16.33	
	0	(f) VestaM.R.	45	56 6	36.	8 20	.0	50.5	10.5	40.8	20.848		-2	7.83			5.42 59.23	T.M
	2861	γ 2 Octantis M.R.					_			1	523 47 49		-	0.20			8.70	
	2861	γ º Octantis			1000		-		800.5	130000	20.080		_	J 4 16 1	7		57.25	_
	10											1					25.31	
	10		1000		0.000						11 21.01				1		43.11	T.N
	10	(g) o OctantisR.	22	46.	102.	2 41	.6	04.1	30.2	29.6	0 16 30	1	7	0.1			25.86	
	60	o Octantis α Cassiopeæ													0.00000000		41.25 58.93	2000
	807		43	36.	0 20.	4 22	.2	36.2	07.9	43.0	19.66		+2	0.08	10000		47.67	1000000
	807		24	27.	4 24.	0 45	.2	58.0	36.7	49.0	10.00		. 1	0.00			20.82 54.15	
	838		30	08.	2 12.	9 12	.7	12.5	16.6	59.6	19.66	1	+1	9.97	- 1000		10.78	100000
♀ 1 Sept.		(h) ⊙ N.L M	1		1000		3		10000	A CONTRACTOR			_3	1.14	1 8	33	20.44	T.N
		⊙ S.L	1	19.	8 54.	0 26	.0	48.9	47.8	30.4	5				8	01	38.35	T.N
	1	(i) Q's centerM.R. Q's center	50	36.	1 26. 2 63	2 14	.8	65 6	10.6	26.9	23.55	1-	2 1	6.85			8.46 58.19	
				Mol	yneu	x fas			26th,						307		55115	2.12
(b) Correcti	ion for ?	Observation at the 2nd Wire, totion in Declination, 6".02		lirect,	at the	5th.	1	(1)	Correc	tion fo	or Motion in ted by the fix				0''.25			
(c) Like a	torch.	The images were good in to clouds have since spread or	he c	arly p	art of	the			The 1	Obse	rvation at the	4th	Wir	e, and				
(d) Faint.	Correc	tion for Motion in Declination off. The images are crabb	n. 0	2.27					recti		Curvature	and	1010	tion	respec	tive	15, 40	and

Penith Point. Distance. Barom. September Distance. D	Sec. of appa-	200	aren	t Zenith		The	rmome	eter.					Microm.	5	Sem	i-	Geor	8.1	P. D. of		NAME OF STA	
The color of the					Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Paral	lax.	opposite							No. ASC	or	
2.94 41 17 39.24 30.208 57.0 56.0 2.94 41 17 39.24 30.208 57.0 56.0 3.69 3 2.95 3.0 44 5 46.03 30.172 59.8 65.0 61.0 55.45 7 51 56.46 55 18 37.52 104 59.0 55.8 3.69 3 27 11.56 3.70 24 3 31.18 3.70 24 5 33.17 3.94 40 23 4.27 3.94 41.13 30.24 56.0 55.5 46.6 3.70 17 58 62.38 3.70 17 58 62.38 3.70 11.11 30.465 56.0 46.8 3.70 17 26 44.94 3.94 17 3 86.3 3.95 17 26 44.94 3.96 3 3 27 11.11 30.465 56.0 46.8 3.97 11.76 63.39 1.76 4.24 44.38 3.97 11.76 63.39 1.76 4.39 3.97 11.76 63.39 1.77 26 44.94 3.98 55.0 32 1.39 3.99 3.71 1.56 3.97 11.78 55.84 3.99 1.94 3.99 1.94 3.99 1.94 3.94 1.94 2.94 3.99 1.94 3.99 1.94 3.99 1.94 3.99 1.94 3.91 1.94 2.94 3.99 1.94	"	0	,	"	Inch.		0	0	,	"	,	"	r	,	-	"	0	,	,			
2.94 41 7 39.24 90.208 57.0 56.0 50.88 50.88 50.88 50.89 41 7 39.24 20.26 57.0 56.0 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.88 50.89 57.22 25.50 734 a ordinals. 50.88 50.88 50.89 57.22 25.50 734 a ordinals. 50.88 50.89 57.22 25.50 734 a ordinals. 50.88 50.89 50.88 50.89 55.45 50.89	3.71	-2	52	14.10													53	11	39.74	2101	β Telescopii.	1
44 37 26.66	2.94	-0 41	13 17	25.99 39.24	.208	57.0	56.0			0.23							55 97	50 22	30.53 26.87	699 734	a Columbæ. a Orionis	
7		44	37	26.56	200000000000000000000000000000000000000			100000						15	51	1.50	100	26	21.98		0	
3.50	5.45	7	51	56.46					1								63	55	61.16		Antares.	
2.90		-3	3	5.51	.104	59.0	55.6	54.0		3.08							53 53	0	47.95 48.16	2043	γ Telescopii γ Telescopii.	
3.94	3.37	-2 -0	52 31	13.98 18.83						0.53							53 55	11 32	39.87 37.39	2101 2110	β Telescopii. « Sagittarii.	
24 5 33.12	3,94	-10 -10	23 23	4.27 3.17	.067	59 · 0	52.7		1								45 45	40 40	41.84 42.94	2181 2181	δ Gruis δ Gruis.	
3 27 10.56 -54 24 44.15 -70 ctantis. -70 ctan		24	5	33.12						100000		0.18					80	9	55.69		Georgean.	
3.69 3 27 11.11 30.465 56.0 46.8 3.59 59 31 11.45 2741 Fomalhaut Fomalhaut. 7 Octantis. Vesta. (2.87) 17 26 44.94 17 26 43.90 17 18 57.97 17 18 55.84 -49 7 5.31 .308 55.0 49.8 1 7.92 17.92 17.92 17.92 17.92 17.92 17.92 17.92 17.92 17.92 17.92 17.92 17.93 54.55 18 22.14 89 8 55.54 1.29 55.54 51.9 50.0 19.65 18 39 44.28 18.39 44.28 18.39 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.26 17.26 19.24 30.244 56.0 55.5 53.6 19.25 17.26 17.		-54 17	24 58	44.15 52.88					1	21.18		1 04					1	37	51.42 6.58		τ Octantis. Vesta	
3 27 11.70		17			30.465	56.0	46.8					1.34										
(2.87) 17 26 43.90 -54 24 47.06 30.312 55.0 48.3 (2.33) 17 18 57.97 17 18 55.84 -49 7 5.31 -49 10 21.92 -55 18 22.47 -89 8 8 55.54 -89 8 55.54 -89 8 55.54 -18 39 44.28 -18 39 44.28 -18 39 44.28 -18 39 44.28 -18 39 42.57 -17 26 9.24 30.244 56.0 55.5 53.6 -18 39 42.57 -17 26 9.24 30.244 56.0 55.5 53.6 -18 39 42.57 -17 26 9.24 30.244 56.0 55.5 53.6 -18 39 42.27 -17 26 9.24 30.244 56.0 55.5 53.6 -18 39 42.27 -17 26 9.24 30.244 56.0 55.5 53.6		-54	27	11.70 43.85	.465	55.5	46.6		1	23.05							1	37	49.85		- Octantis.	
(2.33) 17 18 57.97	(2.87)	17	26	43.90					,			1.89					73	30	57.48		Vesta.	
2.98 -49 7 6.14 -49 10 21.92 .300 55.0 51.2 1 7.85 3.56 -55 18 22.47 -55 18 22.14 89 8 55.54 .290 54.5 51.9 50.0 4.25 -18 39 44.28 .244 56.0 55.0 53.5 1 24.60 .244 56.0 55.0 53.5 2 2861 7 2 Octantis. 6 52 28.62 10 7 3 Octantis. 6 0 22 8.62 10 7 3 Octantis. 6 0 44 10.01 .244 50.0 60 a Cassiopeæ. 6 2 2 8.62 10 7 3 Octantis. 6 2 2 8.62 10 7 3 Octantis. 6 3 2 2 8 6 8 7 Canopus. 7 2 3 52.82 807 Canopus. 7 3 30 24.24 838 Sirius	(2.33)	17	18	57.97	100	55.0	48.3		1			1.87					73	23	11.27		Vesta	
4.21 -49 10 20.28 3.56 -55 18 22.47 -55 18 22.14 89 8 55.54 .290 54.5 51.9 50.0 4.25 -18 39 44.28 .244 56.0 55.0 53.5 19.65 3.4 19.65	2.98	2				55.0	49.8		1	7.92							379					
7.50 -55 18 22.14 89 8 55.54 .290 54.5 51.9 50.0 1 24.00 1 0 Octantis. 60 a Cassiopeæ, 37 23 52.82 807 Canopus Canopus 17 26 9.24 30.244 56.0 55.5 53.6 19.65 1 19.65 1 3 24.24 838 Sirius	4.21	-49	10	20.28			100		1	7.85				1						1	γ 3 Octantis.	
4.25 -18 39 44.28 .244 56.0 55.0 53.5 19.65 37 23 52.82 807 Canopus Canopus 17 26 9.24 30.244 56.0 55.5 53.6 19.65 73 30 24.24 838 Sirius		-55	18	22.14	.290	54.5	51.9	50.0	0	24.60											o Octantis.	
		-18 -18	3 39	44.28	.244	56.0	55.0	53.4	5								73	23	54.53	807 807 838	Canopus Canopus.	
42 29 17.05 30.178 58.0 62.0 58.5 52.40 5.72 15.50 80 98 18 7.68	(3.33)	4	57	34.96	30.178		1			52.40 51.44 35.38		5.72 5.66 3.14		15	5 5	2.8	98		7.68 10.29 23.92		⊙ ⊙ ♀	

Coincidence of Micrometer Wire with fixed Wire, =20°.158 One revolution =40".335 Correction for Runs =+2".90 to Sept. 1st. From Sept. 1st, =0".00 Adopted Zenith Point to Noon on Aug. 26th, =326°.04'.03".62 From Aug. 26th, =326°.04'.03".39 Assumed Co-latitude =56°.03'.56".75

Month	198	NAME OF STAR	-	-	Ŋ	licroso	opes.		-		icrometer				luded	of er.
and	No.	or		A	В	c	D	E	F		Time by olyneux.	for Microm.		of C	ling ircle.	Initials of Observer.
Day.		Thanki.	1	11	"	,	"	#	,	h.	F. 10. 8.	, ,		,	"	
2 1 Sept.		σ Octantis	45	33.8	29.	5 57.	40.9	55.5	45.1	17	07 30				23.65	
	2071	γ Draconis M.P.	20	30.3	77.0	0 57.3	30.2	84.0 58.0	16.1	17	52 50	0.70			49.15	
	2101	β Telescopii M.R. β Telescopii						60.0			20.225	-2.70			47.98	T.M T.M
	2110	ε Sagittarii	32	45.0	45.3	3 58.8	33.5	54.0	20.5	18	13 21				42.80	T.M
	2254	к Cygni						99.3							4.68	T.M
	2387	B Octantis						45.2 98.7							12.40	T.M T.M
	2518	Piscis Austr						22.0							13.08	T.M
	1888	Coorseen M.D.	1000		2000			18.0			19.772					T.M
	0741	(a) Georgean FomalhautM.R.						62.6			19.772					T.M T.M
	2741	Fomalhaut						24.0			19.750	+16.46			14.75	T.M
		7 Octantis	39	24.0	20.6	49.0	30.0	45.5	36.0	23	00 20		271	39	14.18	T.M
		Vesta	15	16.1	22.0	19.0	20.6	25.0	08.0				343	15	18.45	T.M
D 4 Sept.	2254	κ Cygni									13 15				45.82	T.M
	10000	B OctantisM.R. B Octantis						53.0 45.9			20.070	+3.55			53.32	T.M T.M
	2388							17.0			21.173	-40.94				T.M
	2388	a 2 Capricorni	56	62.0	66.0	64.0	69.2	70.4	59.8				346	57	5.49	T.M
								09.5			20.556	-16.05				T.M T.M
		A Octantis SP Georgean	1	35.6	41.8	33 8	47 0	$\frac{48.1}{39.9}$	36.3						17.52 39.07	T.M.
	2741	FomalhautM.R.						09.7			20.110					T.M
	2741	Fomalhaut						25.0			10.010				13.28	T.M.
		(b) TOctantisM.R.	30	49.0	93.8	42.2	12.8	$\frac{32.0}{47.2}$	37.0		19.640				16.53	T.M.
		Vesta						68.7					342		2.23	T.M.
	2849	γ Octantis M.R.						19.2			23.482	-2 14.07			5.37	T.M.
	2849 2861	7 Octantis						91.2 87.8					277		2.13 58.17	T.M.
	10							37.6			17.533	+1 45.95				T.M.
	10							78.4		0	06 20	+1.70				T.M.
		(e) OctantisM.R.	23	16.2	32.2	10.4	35.6	59.0	01.2		20.880 18 50	+29.12	201	22	26.55	T.M.
											20 32		270	45	40.40	T.M.
12	219	a Hydri R.	29	24.8	00.0	04.3	14.4	53.8	23.2		20.566	-16.46				T.M.
100	254 254	(f) HydriM.R.	31	41.0	79.2	30.0	32.4	21.1 93.8	45.1		21.008	-34.28 +0.74				T.M.
B. C. Charles	340		52	41.8	89.1	69.1	42.6	97.5	29.1		20.908	-30.25				
	341	Persei	15	43.0	91.8	73.4	47.0	100.8	35.0				40	16	5.17	T.M.
17	365	a Persei	8	49.1	96.8	75.9	49.5	103.2	36.5		12 39	1 25 00		09	8.50	T.M.
	439							18.3 45.0			22.520				20.78	T.M.
	699	α Columbæ	50	38.9	40.9	52.5	30.8	45.2	16.4	5 3	33 35.5		325	50	37.45	T.M.
	838	SiriusM.R.	36	33.5	31.1	10.2	48.2	01.7	35.0		17.963	+1 28.54			54.82 12.21	T.M.
	300		1			10000										
5 Sept.		⊙ S.LM ⊙ N. L						76.5 82.4			19.636	+21.05				T.M.
5- 50	118	y's center M.R.	28	47.5	40.2	24.1	49.0	19.1	42.2	1	20.055	-1 16.52	117	27	21.03	T.M.
19	59	S's center	40	38.4	49.3	39.0	54.0	46.3	43.2		00 655					T.M.
	101	(h) Q's centerM.R. Q's center	46	50 0	69 9	56 4	72 0	24.0	60.5		22,000	-1 40.72	355		$0.41 \\ 5.21$	T.M.

⁽b) The Quicksilver disturbed by Wind.
(c) Observed at 30s. on each side of the Meridian. Correction for Curvature, 0".06
The times of Transit over the middle Wire of α Columbæ and α Persei, indicate an error in Azimuth of 2s.3. provide the Axis is horizontal.

⁽e) Correction for Curvature of Path, -0".10 and +0".38

(f) Reflexion Observation on the Meridian, the direct at the 4th Wire.

(g) Observed at the 2nd and 4th Wires. Correction for Motion in Declination, 0".55

(h) Cerrection for Motion in Declination, 0".97

Sec. of appa-			The	rmom	eter.					Microm.			C-		D.D.			
rent Zenith Point.	Apparent Zeniti Distance.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Paral	llax.	for opposite Limb.	diar	mi- neter.	Geo	Cen	P. D. of ter.	No.	NAME OF STORY OF PLANET.	
"	0 1 11	Inch.	0	0	0	-	"	,	"	r	,	"	0	,	"		T LANEI.	
3.08	-55 18 39.74 85 16 45.76 -2 52 14.78 -2 52 15.41 -0 31 20.59	.077	57.3 57.3 57.3	56.8	54.5		23.08 2.89 0.52						53 53	11	53.93 39.08 38.45 35.64	2071 2101 2101	β Telescopii β Telescopii.	
	86 47 0.29 -55 35 50.99 80 5 59.44 1 5 9.69	.063 .060 .038	57.0 57.0 57.0 57.0	55.2 55.8 57.0	53.0		24.19 18.89 1.09						0 136 57	26 15 9	41.57 15.08 7.53	2254	E Cygni. B Octantis. Cygni. Cygni. Piscis Austral	
2.80	24 0 14.89 24 0 13.71 3 27 12.70		57.0				25.89	().18				80 80 59	4	37.35 36.17 12.96	2741	Georgean Georgean. Fomalhaut	
2.72	3 27 11.36 -54 24 49.21 17 11 15.06	29.992	56.5	52.8			3.51 20.77 17.97	1	.86				59 1	31 37	11.62 46.77 27.92			
	86 46 42.51 -55 35 50.01 -55 35 48.93		57.4 56.0			1	25.86						0	26	40.88 41.96	2254	B Octantis B Octantis.	
2.51	20 53 3,79 20 53 2.18		56.2				22.50						76	57	23.04 21.43	2388 2388	a ² Capricorni a ² Capricorni	
	-57 39 46.04 -57 39 45.79 23 57 35.76	.328	55.0		46.5		33.18 26.33	0	.18				-1 -1 80	37	22.47 22.22 58.66		A Octantis SI A Octantis SI Georgean.	P
2.37	3 27 11.85 3 27 9.97		55.0				3.58		.10				59	31	12.18		Fomalhaut Fomalhaut.	
	-54 24 47.41 -54 24 46.78	.327					22.62						1	37 37	46.72 47.35		τ Octantis τ Octantis.	
3.75	16 48 58.92 -48 58 2.06 -48 58 1.18	.327					7.98	1	.82				72 7	4	11.75		Vesta. γ¹ Octantis γ¹ Octantis.	
3 90	-49 7 5.14 -49 10 21.35	.326				1	8.34						6	$\begin{array}{c} 55 \\ 52 \end{array}$	43.27 26.92	2861 10	γ 2 Octantis. γ 3 Octantis	
	-49 10 20.38 -55 18 23.24	.318	54.0	16.8			25.40							52 44	27.89 8.11	10	γ 3 Octantis. ο Octantis	3
	-55 18 22.91 -28 24 50.31	.314	56.0	50.2			31.83						-	44 38	8.44 34.61	219	o Octantis.	
	-35 26 53.88 -35 26 49.82	.315	56.0	18.8			41.99								$20.88 \\ 24.94$	254	ð Hydri ð Hydri.	3
	86 48 27.97 74 12 1.86 83 5 5.19	-000000000	54.0	45.2	44.3		27.14 37.64								25.75 39.58	341 365	γ Persei. Persei. α Persei.	
	-40 46 46.18 -40 46 42.53	.329	54.5	15.2	44.5		51.25					11	15	16	19.32 22.97 30.66		γ Hydri γ Hydri. α Columbæ,]
3.52	-0 13 25.86 17 26 8.49 17 26 8.90	30.370	56.0	17.5			18.61						73	30	23.85 24.26	838	Sirius Sirius.	1
	40 29 22.37 41 1 7.30	30.346	58.0	59.4	54.6		49.36 50.30		.50		15 5	3.80			56.78 54.99	1	0	
(3.32)	28 36 42.28 28 36 42.29	.323	1000		13.00		31.49		.96				84 84	41 41	6.56 6.57		ž Ž	I
(2.81)	29 43 2.90 29 43 1.90	30.323	58.6	30.0	55.5		32.96	3	.00						29.61		Q	1

Coincidence of Micrometer Wire with fixed Wire, =20°.158 One revolution =40".335 Correction for Runs =0".00

Adopted Zenith Point =326°.04'.03".39 From Vesta on Sept. 1st, =326°.04'.03".31

Assumed Co-latitude =56°.03'.56".75

Month		NAME OF STAR		M	icrosc	opes.			Micrometer			luded	Jo
and	No. A.S.C.	or	A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		ling ircle.	Initials of
Day.		PLANET.	1 //	"	"	"	"	"	r. h. m. s.	, ,,	0 /	,,,	H
å 5 Sept.		σ Octantis	45 35.5	33.7	57.8	47.0	56.3	40.4			270 45	25.12	T.N
0		Cassassa M D	6 38.0	34.7	12.4	46.1	07.1	39.5	18.960	+48.32	122 07	17.95	T.N
	2741	(a) Georgean FomalhautM.R.	0 41.8							_44 65	350 00 142 36		T.1
	0741	Pamalhant	31 13.2								329 31		T.1
		(b) - OctantisM.R.	28 44.1	02.5	45.2	02.3	35.0	25.8			200 28	52.44	T.N
		Vesta	39 28.0 45 51.0								271 39 342 45		T.M
		(c)	45 51.0	33.9	32.2	30.3	30.8	40.0			042 40	02.00	T.M
5 9 Sept.	138	σ Octantis							17 09 30		270 45	27.60	T.N
	2110	¿Sagittarii	32 42.2								325 32		T.N
	2122	λ Sagittarii D S. L	29 31.0 41 59.3								334 29 331 42		T.M
	2220	π SagittariiM.R.	25 49.0	52.8	27.0	67.2	22.1	53.7	21.510	-54.65	133 24	50.11	T.M
	2220	π Sagittarii	43 15.2	15.5	19.2	15.7	22.2	04.0	20 700		338 43		T.M
	2290 2290		22 46.6 45 41.6						20.730		137 22 334 45		T.M
					100								100
10 Sept.	2110	σ Octantis ε Sagittarii	45 34.2 32 43.7						17 10 50		$270 \ 45$ $325 \ 32$		T.M
	2220	π SagittariiM.R.	24 30.2						19.470		133 24		T.N
	2220	π Sagittarii	43 15.5	15.8	21.0	14.0	22.2	02.6		100000	338 43		T.N
	2290 2290	h 2 Sagittarii M.R. h 2 Sagittarii	22 32.0 45 41.2								137 22 334 45		T.N
	(C. 100)	151	38 19.9								333 38		T.N
	2403	(d) # Capricorni M.R	52 35.8	34.0	13.2	50.1	06.7	41.1	19.951	+8.23	130 52		T.N
	2403 2445	a Capitolini	15 24.8						00 201	0.01	341 15 137 59		T.M
	2445	ψ Capricorni M.R. ψ Capricorni	59 22.3 8 56.0							-9.01	334 08		T.N
	2741	FomalhautM.R.	36 41.0	44.1	22.7	63.6	16.6	52.6	19.840	+12.71	142 36	52.16	T.N
	2741	Fomalhaut	31 13.0	15.0	26.0	18.1	21.8	55.5			329 31		T.A
	838	(e) Vesta	12 46.1 37 43.2							+16.78	342 12 128 37		T.M
	838	(f) Sirius	30 08.5								343 30		T.N
D 11 Sept.		⊙ N.L M	49 29.5	54.0	34.8	54.5	51.5	40.9	20.190	-1.61	4 49	42.20	T.P
	1000	⊙ S.L	17 39.5								4 17	52.52	T.N
		φ N.L	43 45.6							000	352 43 270 45		T.M
	2110	ε Sagittarii	32 42.5						19 11 00	20	325 32		T.N
	2254	κ Cygni	50 49.6	96.1	75.1	48.5	102.8	35.9			52 51	8.00	
		B OctantisR.								+0.53	201 39		T.M
	2388	B Octantis a ² Capricorni M.R.	28 22.6 11 48.1						19 45 50 21.272	-45.05	270 28 125 10		T.M
	B CONTRACTOR OF THE PARTY OF TH	(a) a Capricorni	57 05.0								346 57	6.02	T.N
	2445	Capricorni M.R.	59 39.6							-31.58	137 59		T.N
	2445	D S.L	8 56.5								334 08 337 34		T.N T.N
	2543		15 35.6							-46.87	135 14		
	2543	¿ Capricorni	53 13.5	15.0	17.3	15.1	17.7	01.2			336 53		T.M
	2586 2586		60 30.0							-33.28	128 59 343 08		
	2000		8 06.8		100000			100000	601 50 20	00 03	198 53		
	1 3	C OctantisM.R.			10000			7.700	20.851	-20.07			100
	1	C Octantis	14 29.1	27.5	47.0	40.0	45.0	46.0			273 14	19.10	1.1

Molyneux slow, Sept. 11th, 17s.

 ⁽a) The Reflected Observation on the Meridian. The direct at the 5th Wire. Correction 0°.03
 (b) A blotch from wind.
 (c) Heavy rain or cloudy weather in the interval between the 4th and 9th.

⁽d) Reflected Observation on the Meridian, the direct at the 5th.
(e) The Reflected Observation was lost.
(f) Observed at the 2nd and 4th Wires.
(g) Faint.

ec. of		aren	Zenith	Barom.	The	rmome	ter.				Microm.	Q	emi-	Geo		P.D. of		NAME OF ST	
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parallax.	opposite Limb,		meter	Geo	Cent		No. ASC	NAME OF ST or PLANET.	A
"	0	,		Inch.	0	0	0	,		, ,	r	,	10	0	1	"		T BALLEI.	
				30.326				1	24.35							54.21		σ Octantis.	
1.43)	23	56	45.36	2000	57.0				26.21	0.1	3			80) 1	4.37	0741	Georgean.	
3.04	3	27	11.21 10.67			48.6			3.56					59	31	11.52 10.98	2741	Fomalhaut.	
5.41	-54	24	44.94	30.313	56.0	47.0	47.2	1	22.57						37	45.05		τ Octantis τ Octantis.	
			49.32						17.76		0				2 46			Vesta.	
	-0	31	21.50		57.0	49.3		1	24.59					58	5 32			σ Octantis. ε Sagittarii.	
	5	37	30.70 56.72	.374	57.0	$\frac{49.3}{49.0}$			8.75 5.83	5 37.9	5	16	9.6	2 6	52	30.97		λ Sagittarii.	
2.98	12	39	13.24 12.49			48.6			13.46							23.45 22.70		π Sagittarii.	
3.48			$39.86 \\ 40.12$	30.400	57.0	48.3			9.06		I A S					45.67 45.93			
				30.191	57.5	56.2	433	1	23.48							53.78		σ Octantis.	
2.70	12	39	20.85 13.68	.185	58.0	57.0			0.53					68	3 43	35.37 23.41	2220	π Sagittarii	
3.34	8	41	12.37 39.48	.185	57.2	57.3			8.84							22.10 45.07		h 2 Sagittarii	
0.04	7	34	39.46 17.17			54.3				7 43.1	0	16	21.5	0 6	3 47			D	
2.55	15	11	24.97 23.36			53.2			15.81					7		37.53 35.92			
3.17	8	4	53.08 52.72	0.00	1	53.8	1 3		8.26					6	1 8	58.09 57.73	2445	4 Capricorni.	
3.02			11.19 10.53			51.0			3.52	10.00				4 00		11.46	The same of the sa	Fomalhaut.	
1.28		26		.126 30.042	57.0 56.0	$51.0 \\ 49.0$			16.90 18.36		3			1000		56.37 26.05	-	Contract of the Contract of th	
1.20		26	6.79													21.90			
	38	13	49.17	30.005					45.29 44.44	5.2	5	1000	55.3	0 9	1 34	20.26		0	
	-55	18	38.72	29.996 30.026					28.39 22.82		8 20.495		6.8	1	43	0.75 55.21		σ Octantis.	
	86	47	21.28 4.65	.056	59.0	53.4			0.52							34.95	2254	κ Cygni.	
3.89	-55	35	52.25 51.17			53.7		1	24.41			-		1	26	40.09		B Octantis B Octantis.	
1.78	20	53				53.5			22.11					7	5 57	24.68 21.53	2388		
3.30	8	4	53.12 53.01			53.5			8.23					6	1 8	58.10 57.99	2445		
2.27	10	49	40.63			53.5		-	11.80	11 53.7	9	16	30.5	60	5 53		2543	Z Capricorni	
1.76	17	4			57.5	51.5			17.87		1			7:	8	18.29	2586	& Capricorni	
	-17			30.070	57.5	51.9	50.0							73		18.87 52.19		¿ Capricorni.	
5.17	-52	49	44.25		1	1			16.68		1	-		3		55.82	1	C Octantis.	

Coincidence of Micrometer Wire with fixed Wire to Sept. 9th, =20r.158 From Sept. 9th, =20r.155

One revolution =40".335

Correction for Runs =0".00

Adopted Zenith Point =326°. 04'. 03".31 to Vesta, on Sept. 5th. From Noon Sept. 9th, =326°. 04'. 03".35

Assumed Co-latitude =56°. 03'. 56".75

Month		NAME OF STAR				1	Mic	rose	op	es.					Micrometer			tion	(one			o of
and Day.	No. A.S.C.	or PLANET.		A		В	1	c		D	1	E	1	7	or Time by Molyneux.		Mic Tir	rom.		reac of C			Initials of Observer.
Day.		PLANEI.	,	ø				.11		0		II	-	,	h. m. s.			#	0	,			
11 Sept.				48.													-1	3.75	122				T.M
	2741	Georgean R. Fomalhaut R.	36	37. 40. 14.	0	53.	22	23.	07	2.4	121	1.5	56	.6	19.948		+	8.35	349 329	36	52	.15	T.M T.M
	2741	Fomalhaut	1	32. 43.	0	45.	30	9.1	8 6	0.3	10	0.2	43	.6	20.495		-1	3.71	130	01	19	.64	T.M.
16 Sept.		C OctantisM.R.									1		1				-2	6.22	198				T.M
	2700		20	25. 46.	7	11.	9 5	50.0	0 1	1.0	4(0.0	33	.0	19.853		+1	2.18	273 194	20	44	.28	T.N
	2741	FomalhautM.R.	37	34.	0	58.	03	31.0	0 7	7.5	27	7.4	63	.8	21.559				142	36	53	.95	T.M
	2741	VestaM.R.	28	61.	0	74.	03	39.8	8	7.0	4().5	71	.2	20.936				130	28	30	.58	T.M
	2849 2849	(c) γ^1 OctantisM.R.	5	77. 68. 45.	2	64.	98	36.	7 2	1.2	80	0.3	26	.4		1				05	58	.23	T.A
	10	(c) γ 3 OctantisM.R. γ 3 Octantis		51.													-	0.52	195 276				T.A
17 Sept.		⊙ N.LM ⊙ S.L		37.											19.206		+3	8.28					T.M
		(a) & 's center		27. 34.												1				09	34	.50	T.M
		(e) Q's centerM.R. Q's center		38.												-	1 0.	5.14					T.M T.M
18 Sept.		⊙ S.LM ⊙ N. L		47. 02.													+2	2.91				.64	T.M
		(f) 8's centerM.R.	15	34.	0	35.	20	03.	65	5.3	3 58	3.2	43	.4	20.937		-3	1.54	123	14	56	.98	
		2's center M.R.	52	47.	8	46.	7 1	17.	0 6	5.5	5 13	3.2	45	.4	21.925	-	1 1	1.39	122	51	28	.58	
		B Octantis R.	40	21.	3	46.	22	28.	03	6.5	5 20	0.2	58	.0	19 25 35 19 30 33				201	39	57	.42	
		R.	40	15.	2	40.	32	22.	8 3	0.0	13	5.2	52	.2	19 36 35 19 43 40		-	1.97	201 270	39	57		T.N T.N
21 Sept.	à	(k) ⊙ N. LM ⊙ S. L	57	30.	6	52.	34	14.5	24	3.0	60	0.7	28	.0	19.324		+3	3.59				.65	T.M T.M
	2110	¿ Sagittarii	32	48.	.3	40.	5 5	53.	5 3	5.8	3 4	4.2	27	.2			1	0 16		32	41	.58	T.N
			27	68.	.0	75.	0 4	56.	0 6	0.0	0 6	0.2	58	.4	19 23 52 19 28 26		+	8.89	270	28	11	.75	T.N T.N
			27	73.	.2	80.	9	61.	4 6	5.8	8 6	5.5	65	.0	19 34 26 19 41 00		+	2.78	8 270 4 201	28	11	.41	T.N T.N
		(h) D.	27	77.	.0	84.	8	64.	26	19.1	8 6	9.0	68	.0	19 46 09 19 51 12		+	0.0	5 270 6 201	28	12	.18	T.M
		D.	28	14	.0	22.	6	01.	60	17.1	8 0	7.9	06	.0	19 56 45 19 62 31		+	1.18	8 270 3 201	28	11	.05	T.M
		A Oct. SPR.	28	11	.0	17.	8.	58.	20)2.	7 0	2.1	102	.8	19 67 45		+	5.9	6 270 2 203	28	11	.73	T.M
	1	(i) R.	24	22	.6	27.	3	07.	2 1	2.	3 1	2.0	12	.1	20 35 45 20 41 03		-	0.5	9 268 8 203	24	14	.99	T.M T.M
	340	D.	24		.2	38.	.8	18.	22	23.	72	4.8	3 23	1,2	20 46 04	1	-1	0.2	5 268 48	24 52			T.M
		Motion in Declination, 0'.19 st Meridian,	olyı	neux	sl	low,	S	ept		(g)	Be	car	ne c	lou	, 27°. dy at the 4th d time of Tr					idia	n hor	Mol	vnew.

⁽c) Correction for Motion in Declination, 0".92 (f) Correction for Motion in Declination, 0".48

 ⁽i) The Quicksilver disturbed by wind. Supposed time of Transit over the Meridian by Molyneux, 20^b. 32^m. 29^s.
 (k) In violent agitation.

Sec. of appa-	Apparent Zenith			rmome	eter.			Microm.	Semi-	Geoc. S. P. D. of	NAME OF STAR
Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.	Center. N	SC PLANET
"	o / #	Inch.	0	0	0	1 11	1 #	r	1 11	0 / 8	Takitat,
2.54 3.44 (3.06)	3 27 11.20 3 27 11.37 16 2 43.71	.076	57.5	51.8		25.74 3.51 16.73	0.18			79 55 58.55 79 55 56.92 59 31 11.46 27 59 31 11.63 27 72 6 55.48	41 Fomalhaut. Vesta R.
3.99 3.78 3.39 3.37	-52 49 48.42 -52 49 46.63 -48 16 41.19 -48 16 39.82 3 27 9.14 3 27 9.73 15 35 32.51 -48 58 5.51 -48 58 4.86 -49 10 25.39	.244 .243 .243 .232	57.0 57.0 57.0 57.5	49.5 49.6 49.6 51.0			1.64			59 31 9.44 27 59 31 10.03 27 71 39 44.02 7 4 44.11 28 7 4 44.66 28 6 52 23.65	00 β Octantis. 41 Fomalhaut R. 41 Fomalhaut, Vesta R. 49 γ¹ Octantis R. 49 γ¹ Octantis. 10 γ³ Octantis R.
(3.60)	-49 10 23.23 36 27 23.35 35 55 30.41 23 5 30.40 23 5 31.41 23 41 32.59 23 41 32.91	.130	60.8	62.8			5.05 4.99 3.95 2.55		15 56.80	00 10 0 50	10 γ 3 Octantis.
3.02	35 32 19.55 36 4 8.98 22 49 6.11 22 49 5.70 23 12 34.51 23 12 32.70 -55 35 54.33 -55 35 52.88 -55 35 54.22 -55 35 53.93	29.949 29.940 29.945 29.945	60.5 60.6 58.2 58.2	61.0 61.3 54.0 54.0		40.72 41.52 23.95 24.38 1 24.04	4.94 5.01 3.98 2.51		15 57.10	91 52 49.18 91 52 45.14 78 53 22.83 78 53 22.42 79 16 53.13 79 16 51.32 0 26 38.38 0 26 39.83 0 26 38.49 0 26 38.78	© © R. § R. § R. § B Octantis R. D. R. D.
3.31 4.41 2.97 3.79	34 54 13.56 34 22 18.75 -0 31 21.51 -55 35 52.98 -55 35 51.34 -55 35 52.12 -55 35 51.68 -55 35 53.55 -55 35 50.91 -55 35 52.04 -55 35 52.04 -55 35 52.75 -55 35 51.36 -57 39 49 58	.301	57.2	53.2	50.0	40.05 39.27 0.53 1 25.16 1 25.25 1 25.33 1 25.40 1 25.44 1 32.74	4.87 4.80		15 57.90	90 42 47.59 90 42 47.87 55 32 34.71 0 26 38.61 0 26 40.25 0 26 39.38 0 26 39.82 0 26 39.82 0 26 39.55 0 26 39.55 0 26 39.55 0 26 38.56 0 26 39.95 -1 37 25 57	O O O O O O O O O O O O O O O O O O O
5.57	-57 39 48.10 -57 39 51.14 -57 39 46.19 82 47 59.08		58.0	31		1 32.74				-1 37 24.09 -1 37 27.13 -1 37 22.18 138 59 14.71 34	D. R. D Persei.

Coincidence of the Micrometer Wire with fixed Wire, =20°.155 One revolution =40".335 Correction for Runs =0".00 Adopted Zenith Point =326°.04'.03".35 to Vesta, Sept. 11th, =326°.04'.03".09 Assumed Co-latitude =56°.03'.56".75

35		NAME OF STAR	1		M	licrosc	opes.			Micrometer		C	onel	uded	of .r.
Month and	No. A.S.C.	NAME OF STAR or PLANET.		A	В	c	D	E	F	or Time by Molyneux.	for Microm.		read f Ci	ing rele.	Initials of Observer.
Day.		PLANEI.	,	"		0		"		r. h. m. z.	, ,	0	,	"	10
21 Sept.	365	a Persei	8	70.5	73.0	85.7	36.5	92.0	45.6	3 12 21		49	09	7.12	T.M
	433 482	ε Persei X Eridani						86.2						50.33 34.82	T.M T.M
22 Sept.		(a) ⊙ S.LM						81.7			+4.84			58.27	T.M
	1885	⊙ N. L M. R.						77.6			-48.89			49.70	T.M T.M
	1885 2110	Antares ε Sagittarii	55	58.0	56.3	73.0	47.0	70.8	34.9		10.00	333	55	56.82 42.38	
	2110	BOctantisM.R.	1000		0.500		1	84.3	1000000	- 01 200	1707000	201	39	56.79	T.M
		D.	28	11.5	15.8	3 59.0	01.9	01.2	01.5	19 29 00	1 1792 1700			10.58	T.M
		R.								19 34 5				56.53	T.M
		D.								19 39 05				10.63	T.M
		R.								19 43 30 19 47 40	0.000.000			56.68	T.M T.M
	1000	R.								19 52 24		10000		55.83	T.M
		D.	28	13.	8 21.0	0 00.	7 06.	05.0	05.3	19 57 21	+1.34			9.97	T.M
	9/3	R.								19 62 20				56.13	T.M
		(b) D.	28	11.5	2 16.3	3 58.0	6 02.	301.4	02.4	19 67 10	+5.6	1 270	28	10.98	T.M
	1 9	A Oct. SPR.								20 26 50	0.000	222		53.29	T.M
										20 31 50				11.50	T.M
	1 3	(c) R.								20 36 20 20 42 16				53.55	11 1000000
	2518	(c)D. Piscis Austr						5 16.2			-0.0			12.65	100
	2577	Piscis Austr						2 19.0						14.50	T.N
	2011	C OctantisM.R.	53	38.	0 24.	061.	101.	4 64.0	11.2	19.66	+19.9			53.24	T.M
		C Octantis						3 09.6				273	14	13.88	T.M
	2681	ô GruisM,R.						1 57.2			-30.9			12.53	
	2681	& Gruis						7 48.0			-			52.71	T.N
	1	GeorgeanM.R.						2 20.8			+39.5	The same		18.67	T.N T.N
	2741	Georgean						0 67.0 8 47.3			48 5	- 1200000		45.58 54.26	STATE OF THE PARTY NAMED IN
	2741	Fomalhaut	31					0 22.			10,0			14.08	100
		TOctantis R.	10000							23 00 00		10000000		57.68	
		7 Octantis	39							23 05 50		271	39	12.34	T.N
		*6 mag								23 46 18				24.20	
	807	CanopusM.R.									0 -1 04.3				
	838	(d) Canopus M.R.						2 13.6			-43 7			21.74 53.98	
	838	Sirius						191.			-40.7			10.47	
	1281		57	34.	3 51.	4 64.	5 25.	1.69.	3 17.0	20.79	2 -25.6			17.47	
	1281	η Argus	10	56.	9 58.	1 50.	2 53.	041.	0 46.9			301	10	51.46	T.N
h 23 Sept		⊙ N.L	11	22.	3 33.	0 47.	6 10.	1 57	5 03.0					28.79	
	2110		32	47.	0 42.	0.56.	8 34.	0 48.	8 24.0	10 10 55	11.0			41.86	
		(e) B Octantis R D.	97	65	071	4 95.	8 37.	0 98.	447.0	10 05 0				56.33 7.13	7 200 200
		R.												55.92	
	1										+1.7	0 270	28	8.69	T.N
		R.	39	60.	949.	5 83.	0 25.	187.	2 34.4	19 42 14				55.75	
MENTAL STATE	11/5%	D.									0.000.700	2 270			
		R.									2000			55.91	T.N
												5 270			10000000
		R. D.	103	00.	0.00.	U.80.	8 88.	0120.	9138.	019 01 21	-2.1	1 201	09	56.28	Lail

Molyneux slow, Sept. 22nd, 28s.—23rd, 28s.

Sept. 23rd, put back the minute hand of the Clock Hardy 1m.

 ⁽a) Observed on the Meridian.
 (b) Assumed time of Transit by Molyneux 19^h, 47^m, 58^s.
 (c) Assumed time of Transit by Molyneux 20^h, 32^m, 30^s.

 ⁽d) Like a torch.
 (e) Assumed time by Molyneux of Transit over the Meridian, 19⁵, 47²⁰, 56⁴.

sec. of appa-	Appa	rent	Zenith		1000	rmome	eter.			D		Microm.	S	emi-		Gene	.S.	P. D. of		NAME OF ST.	
rent Zenith Point.		ista		Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Paralla	IX.	opposite Limb.		meter			Cent		No. ASC	or PLANET.	AI
	0	,	"	Inch.	0	0	0	'	"	, ,	,	r	,	11		0	,	ø			
	73	24		30.345 30.338												129	32	36.23 0.33 28.21	365 433 482		
				30.327	59.8	63.0	57.0		38.69		76		15	58.2	20			24.06		0	
2.83	7	51	46.61 54.26	.269	60.8	60.8			39.46 7.95		.82			3000		63	55	19.80 58.96			
2.00			53.73 20.71						0.53						-	63 55	55 32	58.43 35.51	1885 2110	Antares. ε Sagittarii.	
	-55	35	53.70	.254	58.0	52.0												37.76		B Octantis	
3.69			52.51 53.44					1	25.29									38.95 38.02			
3.58	-55	35	52.46					1	25.29							0	26	39.00	1		
3.68	-55	35	53.59 52.42			000	-	1	25.29							0	26	37.87 39.04			
2.90			52.74 53.12					1	25.29									38.72 38.34			
3.56			53.04 52.11	.251	57 2	51.4	50 5	1	25.29							0		38.42			
2.40	-57	39	50.20 51.59		07.2		00.0		32.36							-l -l	37		1	A Oct. SP.	
2.49	-57	39	50.46	- 10				1	32.36							-1	37	26.07			
2.40	-57 1		51.66 9.56	.248	57.0	51.0		1	1.11							-1 57	37	27.27 7.42	2518		
	0 -52	10	11.41 50.15 49.21	.218	56.2	50.0	48.8		0.17							56		8.33 49.35		C Octantis	a
		***	49.21 9.44			50.0		1	17.25							3	777	50.29 36.55		C Octantis.	
2.62	-10	23	10.38		30.2	00.0			10.76							45	40	35.61	2681	è Gruis.	
2.13	23	42	44.42 42.49					14	25.77	0.	.18					79	47	4.83		Georgean Georgean.	
4.17			8.83 10.99	.216	56.2	49.3			3.55							59 59	31	9.13	2741		
5.01			54.59 50.75	.214	56.0	49.0		1	21.99							1		40.17		τ Octantis τ Octantis.	
	28	21	21.11 40.29			47.0			31.84								25	49.70 56.38		*6 mag.	
2.56	-13	39	41.35					1.6	20.08			P. Control				37	23	55.32	807	Canopus.	
2.23	17	26 26				42.1			18.67			1				73	30	24.53 22.80	838	Sirius.	
4.47	-24 -24	53 53	14.38 11.63	30,131	58.4	63.6			26.43											η Argus η Argus.	
	34	7	26.13	30.117	100000000000000000000000000000000000000	1			38.12	1000	.77		15	58.	40	89	55	57.83		0	
1.73	-55	35	20.80 53.67			60.2	1	,	0.53	1								35.42		ε Sagittarii. B Octantis	
	-0.0	35	55.53	.205	59.2	57.2	53.0	1					1					36.98 39.16			
	-55	00	53.97 53.09	MANE			1		24.33	1			1			0	26	38.45			
2.68	-55	35	53.05 53.25						24.42	1			-			0	26	39.28		1919	
2.45	-55	35	53.67			1		1	24.50				-			0	26	38.58			
3.01	-55 -55	35	53.62 52.93	30.225	59.0	55.5	52.2	1	24.58				-					38.55			

Coincidence of Micrometer Wire with fixed Wire, =20°.155 One revolution =40".335 Correction for Runs to Sept. $23^{\rm rd}$, =0".00. From Sept. $23^{\rm rd}$, =-2".70 Adopted Zenith Point =326°. 04'. 03".09 to η Argus on Sept. $22^{\rm nd}$. From η Argus, =326°. 04'. 02".66 Assumed Co-latitude =56°. 03'. 56".75

Month			NAME OF STAR	_			Micro	oscopes				crometer	Correction		Concluded	Initials of Observer.
and	No.		or or		A	B	11	D	E	F		Time by olyneux.	for Microm.		reading of Circle.	als
Day.	A.S.C.		PLANET.		11	1		1	-						· Oncie.	niti Obs
2			The state of	1	,		,	7 #	"		Α.	7. m. s.	1 11	0	, ,	-
h 23 Sept.			A Octantis SP. R.										+11.13	203	43 51.27	T.M
												24 00		COLUMN TO STATE OF THE PARTY OF	24 11.17	100000000000000000000000000000000000000
			R.	43	62.	0 43	.5 82	.3 19.	7 83.8	34.1	20	28 30		100000	43 54.78	1000
		(a)	D.	42	18.	1 43	081	1 10	480 7	08.0	20	37 21		1000000	24 10.51 43 54.31	T.M T.M
	18											41 30		12 22	24 11.32	100
												45 43			43 54.72	
												50 30			24 10.87	
	2577		Piscis Austr	14	22.	4 13.	.9 29	.5 08.	0 20.0	59.6	3				14 15.19	
3 33			C Octantis M.R.						3 74.5			19.920	+9.48	198	53 53.12	
			C Octantis						109.4						14 12.94	
-			The second secon						8 20.0			19.514	+25.85			
			T M. D.						482.1830.4			00 050	00 11	0.000	45 59.76	1000
		(b)	VestaM.R.						072.1			20.852	-20.11	10000	57 12.37 10 53.64	100
13		877	7 OctantisR.						4 88.4			58 8	-00.22		28 56.62	100000000000000000000000000000000000000
11			7 Octantis						2 04.2				+0.88	312021		
NI I	1281		η ArgusM.R.	57	47.	5 63.	277	.6 36.	983.1	29.1		21.130			57 16.09	
	1281		η Argus	10	59.	0 58	.8 51	.6 54.	0 41.8	48.7				301	10 52.68	T.M
24 Sept.			⊙ S.LM	16	55.	3 69	2 79	.1 48	691.2	39.0		21.502	-54.37	359	16 8.80	T.M
o at septi		(c)	⊙ N.L						5 89.7			211002	-01.0	359		
			Q's center						4 68.2						27 47.15	1000
25 Sept.		1		0.4	27 1	0 54	163	8 22	074.0	20.0		20.329	7 00	100	24 39.39	
р 25 берг.	110.76		O S.L						7 69.0			20.029	-7.02	40000	52 41.18	-
V												34 20	-0.06	2000000		
	2518	(e)	Piscis Austr						2 17.8						09 12.04	100 000
	2577	1	Piscis Austr						0 21.6						14 14.79	
			C Octantis									57 17			14 10.14	
	2651		a Tucanæ						5 22.2						56 32.08	
	2676		c Lacertæ						1 52.6			00 400	10.00		15 31.25	
		1							025.9 550.4			20.403	-10.04		23 34.15 44 30.29	
		19/5	Georgean						2 13.1			20.403	-10 04		03 14.27	
		(f)	VestaM.R.						0 69.8			20.400	-10.09		04 51.13	20.00
	1111	18	τ Octantis				100					58 40	+0.06	1000		
	2779		γ App. Sculp						0 17.7					326	35 11.90	T.M
	2849		y 1 Octantis	5	60.	0 66	.0 49	.0 48.	0 47.9	50.3	3	12 1		- HOUSE	05 53.45	
	2861		γ 2 Octantis	56	54.	9 59	.0 43	.0 43.	2 42.8	44.2					56 47.69	
	10		γ 3 Octantis M	::-			0 00					24.871			53 37.43	
	44		o Octantis									12 50	+0.06	270	45 29.92	
	44 45	1	β¹Tucanæ βºTucanæΜ	9	12.	0 12	.201	.507.	0 56.0	00.4		19.466	+97 7/		09 5.18	
	182		AchernarM.R.	ii	45	0.65	9 75	2 38	4 81.7	39 0		21.237			11 13.24	
	182		Achernar						5 48.1			21.201	10.00		56 57.45	
	1000		z Octantis SP:						8 36.0				TO BE STORE OF	267	29 37.23	T.M
		(0)	Pallas M.R.	16	35.	7 44	.0 17	.8 52.	2 17.2	35.5	5	21.431	-51.51		15 42.31	
		(g)	Pallas	52	20.	8 19	.1 39	.2 50.	8 43.2	58.6	5			346	52 21.97	T.M
\$ 26 Sept.		123	2's centerM.R.	36	35.	0 45	.7 17	.8 51	8 20.5	35.0		23,614	-2 19.50	126	34 15.16	T.M
	1200	(h)	ç's center						5 67.0						33 47.94	
	2110	1	ε Sagittarii	32	47.	5 41	.2 55	.4 32.	8 49.5	24.1				No. of Contract of	32 41.51	
		1	B OctantisR.	39	73.	4 63	.8 34	.8 39.	0 40.2	47.6	19				39 58.67	-
		1	D.										+6.47			
		1	R.										-3.78 +1.85		39 58.15	T.M T.M
	1	1	D.	20	10.	011	. 1 00	. 102.	402.1	02.1	113	00 00	+1.02	1010	20 0.44	A + 1/1

(e) Observed at the 5th Wire.

(f) Correction for Motion in Declination, 0".00

(g) Observed at the 2nd and 5th Wires. Correction for Motion in Declination, 0".29 and 0".59

(h) Very unsteady. Correction for Motion in Declination, 0".86

⁽a) Assumed time of Transit by Molyneux, 20^h, 32^m, 32^s.

(b) Correction for Motion in Declination, 0".11

(c) The Limb in agitation, bisected the fringe. Strong South wind. Clouds rising from the South.

(d) A blotch.

CALCULATION OF GEOCENTRIC SOUTH POLAR DISTANCES.

Sec. of appa-	Annare	nt Zeniti	Barom.	The	rmome	eter.					Microm.	9	šemi-	George	. 0	P. D. of		NUMBER OF SERVICE	
rent Zenith Point,	Dist	ance.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Paral	lax.	opposite Limb.	dia	meter.		Cen		No.	NAME OF ST	
"	0	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Inch.	0	0	0	-	"	,	11	-r	,	"	0	,	"		PLANET.	
1 22	-57 39	48.61					1	31.63						-1		23.49		A Octantis S	P.
	-51 30	51.49												-1 -1		26.37 27.00			
														-1		27.03			
2.82	-57 39	51.65										191		-1		26.53			
	-26 33	51.34					123				100	100		-1 -1		26.22 26.94			
2.80	-01 03	01.10						VIII-200					-	-1	37	26.67			
		12.53				600		0.17	0.1					56	200	9.45 49.56	2577	e Piscis Austra C Octantis	
3.03	-52 49	49.72	30.251	58.1	53.9	52.4	1	16.73								50,30		C Octantis.	
2.21	23 41	58.01						23.90	(0.18				79	46	18.48		Georgean	
		57.10 50.29		58.2 58.2										79	11	17.57		Georgean. Vesta	
3.01	15 6	50.98						15.76		1.63				71	11	1.86		Vesta.	
3.10	-54 24 -54 24	53.96	30.252	58.2	53.4	52.0	1	21.37						1		41.42 42.30		τ Octantis τ Octantis.	
	-24 53	13.43						07 00						31		16.26	1281	η Argus	
4.39	-24 53							27.06						31	10	19.71	1281	η Argus.	
	33 12		30.311	61.0	63.0	60.0		37.54		1.66		15	58.70			34.47		0	
	33 44		30.313	61 0	60 0			38.30		2.28				89	32 28	33.08		0	
				100		C1 5		THE REAL PROPERTY.		1.68				00	9	7.16		\$	
		38.52	30.224	01.0	00.0	01.5		37.36 36.61		1.61		15	59.00	89	9	6.27		0	
-	-57 39	54.62	.140	61.0	62.8			29.91		120000				-1		27.78		A Octantis SI	
	1 5	9.38	135	61.0	80 8	50 0		1.08						57	9	7.21 9.05		Piscis Austral	
-	-52 49		.135	61.0	62.7			15.13								49.10	2011	C Octantis.	ci.i.
-		30.58		61.0				29.24						28	55	56.93	The State of the S	a Tucana.	
3 324	23 40	28.59	.135											79	44	50.12	2676	c Lacertæ. Georgean	
2.22	23 40	27.63						25.04	(1.18				79	44	49.24		Georgean.	
2.70		48.39	.135	61.0	62.4			15.32	1	.63				71		58.83 58.91		Vesta Vesta.	
	15 0 -54 24	48.47 55.80	.130	61.2	62.2	58.5	1	19.66						1		41.29		τ Octantis.	
	0 31	9.24	1000					0.52						56	35	6.51			
	-48 58 $-49 7$	9.21	.130		32.4 32.4		1	5.52 5.87						6		42.02 35.91		γ 1 Octantis. γ 2 Octantis	
4	49 10	25.23	.130		62.4		1	5.99		1	BY BURN			6	52	25.53		γ 3 Octantis.	
	-55 18		.127					22.28						26		$\frac{1.73}{26.42}$	44	o Octantis. β¹ Tucanæ.	
	-29 54 -29 54		.127	01.2	02.4			32.85						10000		54.18		β · Tucanæ.	
5.35	-24 7	10.58	.098	61.0	62.0			25.56						31	56	20.61	182	Achernar]
-	-24 7 -58 34	5.21	.085	61.0	62.4			33.02								25.98	182	Achernar. z Octantis SP.	
			30.084					21.66	1	.65	1313			76	52	37.11		Pallas	1
0.14)	20 48	19.31						21.00	1	.00				76	52	36.07	10	Pallas.	
1.55)			29.974	63.4	75.0			19.64	2	.20				75		1.69		\$	
		45.28 21.15			-			0.52								59.47 35.08	2110	ξ ε Sagittarii.	
	-55 35	56.01	29.958	62.0	61.5	60.0	1	22.77			1			0	26	37.97		B Octantis	I
	-55 35 55 35	55.40						~~.11								37.64 38.37			I
2.29	-55 35	55.49 56.24					1	22.89								37.62			I

Coincidence of Micrometer Wire with fixed Wire to Sept. 24th, =20°.155 From Sept. 24th, =20°.154

One revolution =40".335

Correction for Runs =-2".70

Adopted Zenith Point =326°. 04'. 02".66

Assumed Co-latitude =56°. 03'. 56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month	No.	NAME OF STAR			М	icrosc	opes.		-	Micrometer or Time by		rection licrom.		concl	uded	ls of ver.
and Day.	A.S.C.	or PLANET.		A	В	C	D	E	F	Molyneux.		Time.			rcle.	Initials of Observer.
Day.		PLANEI.	,			"	0	17	"	r. h. m, s.	,	"	0	,		
26 Sept.	100	B Octantis R.	39	63.6	53.0	24.5	28.5	30.8	37.1	19 41 40		-0.57	201	39	58.56	T.M.
		(a) D.								19 46 30		+0.02				T.M.
		R.								19 51 27 19 56 36		-0.21	100000000		56.77 7.94	T.M.
		***************************************								19 61 11					58.53	T.M.
		D.								19 66 05	100	+5.11			8.19	T.M.
	3									19 71 05			1000		58.13	
										19 76 14 20 29 00	1	+12.34			8.03 57.26	T.M.
										20 34 12		-0.17	100000		9.08	T.M.
	2518	Piscis Austr	9	17.0	10.8	25.3	03.0	17.0	54.8				327	09	10.94	T.M.
	2577						07.0					05 50			14.70	T.M.
The same of		C OctantisM.R.					50.2				1	-25.57			56.30 11.67	T.M.
	2681						26.4					-25.01	10000		13.62	T.M.
	2681						49.0								52.08	T.M.
							55.6								16.97	T.M.
		(c) Georgean (d) Vesta M.R.	10000			100000000000000000000000000000000000000	32.0			Total Control of					47.67 53.67	T.M.
		Vesta					57.7			The state of the state of	1		341	02	11.46	T.M.
	9	TOctantis M.R.	30	54.9	45.0	78.0	22.5	83.9	30.0	22.920	-1	51.57	200	29	0.32	T.M
		- Octantis								123 03 00 23 04 00		-0.421				T.M
			100			100000					-	13.47)	100	09	17.87	1 769
	2861	(6)			100000		01.5	100000000000000000000000000000000000000	10000000			V . L L]				T.M
	2861	γ 2 Octantis	56	55.8	61.0	43.0	45.8	44.0	46.8			+0.11	276	56	49.35	T.M
	10	(e) 7 Octantis M.R.	14	45.7	38.7	70.3	12.9	73.0	20.5	20.430	-	-0.11	195	14	31.87	T.M
	10	y 3 Octantis	53	42.3	46.5	29.0	30.9	30.2	33.2					53	35.14	T.M
		o Octantis M.R.	22	25.1	14.1	46.9	50.0	53.0	59.0	ſ0 15 43	119	+13.39	201	22	34.53	T.M
			1000		1000000	1000	30.0		0.000	13.022			10000		31.04	T.M
	182						25.3					-31.70			11.77	T.M
	182						57.6					+1.79	301	56	56.44	T.M
. 00 Cant		O N.L	11	17 /	505 6	100	05 7	10 0	EQ 0		1		250	14	32.01	T 34
4 28 Sept.		9 N.L	41	15.8	8 16 6	333 6	05.1	37 9	51.9				10000	1000	16.27	T.M T.M
	166		39	66.3	3 51.4	187.4	28.7	90.2	39.4	19 37 17	-	-1.64			58.48	T.M
										19 43 30		+0.20				T.M
	appara	R.	39	64.6	5 49.5	85.3	326.0	87.4	37.6	19 48 38 19 53 57					57.93 7.89	
	1000	A Oct. SPR.													56.68	
		(g) D.	24	16.8	8 20.3	3 00.7	06.0	05.6	06.0	20 32 42	1		268		N	
	2472	a OctantisR.	44	67.5	2 76.	1 105.8	3 50.9	108.4	57.0	20 43 11					17.00	
	2472	α Octantis ι Piscis Austr	22	49.	5 44.3	36.0	34.5	27.8	38.6	20 48 45		+8.0	1000000		46.26	
	2011	(h) C OctantisM.R.									1 33				55.87	
		C Octantis	14	16.	0 23.	5 04.5	2 04.8	06.2	07.0				10.000	14		1000000
	1 1	GeorgeanM.R.)	+15.49			44.01	100000
		Georgean	10000									-8 71	3 2000		29.90	1 1 1 1 1 1 1
	11111	(i) Vesta	57				922.2				1	-0.7			35.78	T.M
		7 Octantis M.R.	1000		00000	3 50000	100000	1000	450000	21.391		_49 80	1 33		59.21	T.M
		I STATE OF THE PARTY OF THE PAR	100				1000	18880	100000	(20 1 00		10100	1000			10000
	-	τ Octantis	35	13.	0123.	0102.	100.4	105.1	100.2	5 20 UZ 40	1		1271	39	9.31	11.M
(b) Observed	on the rved on rved at	e of Transit by Molyneux, 1: 28th, 1: the Meridian, 1: 70°, past the Meridian. Hun r Motion in Declination, 0°.	9 4	17=. 46 17 39	64.	slow,	(5)	Obse Obse Ass	erved a	40°, before and the 3rd and time of Trans ected by the	5th V	Vires. Molyne		0h, 3	2", 30*.	

Sec. of appa-		t Zenith		The	rmome	eter.					Microm.	S	emi-	Gene	S. P. D. o		NAME OF STREET
rent Zenith Point.		ance.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fractio	n. I	Parallax.	opposite Limb.		meter.		enter.	No. ASC	NAME OF STA
"	0 /	a	Inch.	0	0	0	,			' "	r	,	"	0	1 11		PERINEI.
2.36 3.36 3.08 3.17 3.99	-55 35 -55 35 -55 35 -55 35 -57 39 -57 39 1 5 0 10 -52 49 -10 23 -10 23 23 39	56.04 54.11 54.72 55.87 54.47 55.47 54.63 54.66 53.58 8.28 12.04 53.64 50.99 10.96 10.58 45.69	29.959 29.969 29.987 29.992 29.997	62.0 62.0	59.6 59.3	59.0 58.8	1 1 1	22.9 23.0 23.0 29.8 1.0 0.1 15.2 10.4	99 91 95 37 98 7	0.18				0 0 0 0 0 0 0 -1 -1 57 56 3 3 45 45	14 8.96 12 47.90 12 50.58 40 35.31 40 35.69 44 7.33	2518 2577 2681 2681	C Octantis C Octantis C Octantis Gruis Gruis Gruis Georgean
2.57	14 58		29.997	62.0	58.8			15.3		1.62	and a second			79 71 71	2 19.43 2 19.24	3	Georgean. Vesta Vesta.
3.77	-54 24	55.45	29.997		10,000		1	19.8	18					1	37 39.21 37 41.49		τ Octantis τ Octantis.
3.61		15.21	30.006	62.0	58.0		1	6.1	5					230	55 35.39 55 37.29	5 100000	
3.51	-49 10	27.52	.006	62.0	58.0		1	6.9	28					1 777	52 21.26 52 22.95	10	γ 3 Octantis γ 3 Octantis.
2.79		31.62	.004 30.004					22.6	34					0 31	44 2.49 44 2.49 56 21.99 56 24.80	182	
2.85	18 37 -55 35 -55 35 -55 35	13.61 55.82 55.45 55.27		64.5 60.4	65.0 56.3		1	35.9 19.9 24 1	20	4.54 2.13	20.467		59.80 6.31	74 0 0 0	58 57.67 41 21.15 26 36.76 26 37.13 26 37.33		© ♀ B Octantis
2.77	-57 39 -57 39 -57 39 -43 41 -43 41	54.02 53.81 14.34	.127	60.4 60.0 60.0	56.6			30 9	05					-1 -1 12 12	26 37,81 37 28.25 37 28.00 21 47.31 21 45.25 14 10.58	2472 2472	a Octantis.
2.89 2.77 2.84	-52 49 -52 49 23 38 23 38 14 53	53.21 52.76 18.65 18.87 32.76		60.0 60.0	55.5		1 -	16 (25.3 15.3	32	0.18				3 79 79 79 70	12 47.49 12 47.94 42 40.54 42 40.76 57 43.24		C Octantis C Octantis. Georgean Georgean. Vesta
4.26	-54 24	33.12 56.55 53.35	30.104	59.0	53.6		1	20 9		1,02				1 22	57 43.60 37 39.20 37 42.40	3	Vesta. - Octantis - Octantis.

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.154$ One revolution $=40^{\#}.335$ Correction for Runs $=-2^{\#}.70$ Adopted Zenith Point $=326^{\circ}.~04'.~02^{\#}.66$ Assumed Co-latitude $=56^{\circ}.~03'.~56^{\#}.75$

Month		NAME OF STAR	-		199	Mie	crosc	opes.				crometer		rrection			ided	of .r.
and Day.	No. A.S.C.	0.5		Λ	В		c	D	E	F		Time by olyneux.		Microm. Time.		readi f Cir	100	Initials of Observer.
24,		Tanto.	,	"	"		"	11	"	"	h.	T.	,	"	0	,	"	10
4 28 Sept.		(x) o Octantis							31.9						270		37.82	
	100	Neb. in Pegasus							99.8			33 40		00 00	40 5		4.00	
	182	AchernarM.R.							98.1			21.651	-1	00.38			57.38	T.M
	102	Pallas M.R.	10	35.0	0.46.	. 1 2	0.09	52.2	18.3	35.1	3 3	20.130		+0.97	126	10 :	35.68	T.M
		(a) Pallas	57	29.0	025.	.04	15.9	13.0	46.1	03.0					345	57 9	27.65	T.M
29 Sept.	100	⊙ S. LM							65.0			20.995		-33.92	357 3 357 3		4.37	
	100	O N. L							86.1			21.236		-43.64	28/2/10/2		0.18	THE RESERVE TO SERVE
		(0) & 's center	15	18.5	2 18.	.03	36.4	05.0	39.1	53.1					344	15 1	19.42	
	1885	Antares M.R.							38.9			20.948		-32.02			9.47	
	1915	(c) Antares ε Scorpii							$72.1 \\ 34.2$								57.47 27.84	T.M
⊙ 1 Oct.		⊙ N.L M	3	41.5	2 53.	26	55.6	33.0	75.0	20.8		19.386		+30.98	357 (04 1	18.77	T.M
	1500	0 S.L							102.8			10 011					17.41	T.M
	1533	Spica M.R. Spica	10000		3 2 2 2	-			23.3			19.641		+20.69	349		1.32	T.M T.M
	1000000	(d) 2's center . M.R.	44	26.0	35.	21	3.4	39.0	10.2	23.0		21.861	-1					T.M
	100000	y s center	24	48.4	547.	1 0	66.0	32.0	67.2	22.8						-		T.M
	1885 1885	(c) Antares M.R.							31.2			20.732		-23.31			8.82	T.M
	1915	ε Scorpii							35.5								28,96	T.M
		B OctantisR.										38 00		-1.38				
		(f) D.										48 03		+0.33	201 :	39 /	56.54	T.M T.M
												54 05		+0.66				T.M
å 3 Oct.		⊙ N. L M							83.6			20.391		-9,56				T.M
	1013	(g) ⊙ S. L							69.0		10	57 20		-1.48			44.76 56.81	T.M T.M
		B OctantisD.										58 25		+1.82			4.08	T.M
	2472	a Octantis										44 04					45.94	T.M
	2503 2503	Equulei M.R. Equulei							16.3			23.290	-2	06.49	5 1	19 2	35.22	T.M
	2518	Piscis Austr							78.5								11.05	
	2577	Piscis Australis	14	22.	1 12.	23	32.1	03.5	22.7	57.0							14.55	T.M
		COctantisM.R.							79.4			19.905	111	+10.04	273		9.21	T.M
	2676	c Lacertee													51	15 5	24.38	T.M
		GeorgeanM.R.	28	33.5	2 40.	.81	2.7	51.1	13.0	37.1		19.307		+34.16	122 9	29	4.96	T.M
	100.00	VestaM.R.							80.9			20.030					59.22 41.60	
		Vesta	50	22.	2 22.	.74	12.1	08.9	42.8	57.6				40.00			23.10	
		7 Octantis R.	28	68.	8 51.	.05	01.0	30.2	91.8	40.6	22			-1.34			0.53	-
	1	(i) D. R.	39	67	4 50	.8	9.0	02.5	00.0	04.3	22	64 20		+0.01			5.27 59.90	
		D.	39	06.	8 14.	.24	54.0	59.0	56.8	0.0	22	68 13		+3.66	271	39	5.09	T.M
	2844	¿ App. Sculp R.	10	27.	5 34	.0	39.0	24.5	31.6	12.5		21.257		-44.49				Acres to the
	2844	δ App. Sculp γ 3 Octantis M.R.	58	26.	8 22	2:	39.2	12.5	36.2	04.2		19.574		+23.39			23.76 34.06	
	10	γ Octantis	53						25.1			10.074		120.00			32.06	
		o Octantis M.R.	22	58.	8 44	.41	18.6	20.4	22.8	32.0		20.540		-15.57	201	22	37.00	T.M
	1	o Octantis	145	32.	6 44	.05	21.8	30.0	26.1	26.2			1		270	45	30.08	T.M

Molyneux slow, Oct. 3rd, 34s.

(z) Very indistinct from clouds.
(h) Assumed time of Transit by Molyneux, 19^b. 47^m. 29^s.
(i) Assumed time of Transit by Molyneux, 23^b. 0^m. 7^s.
(x) Probably a mistake of 1'. in reading off.

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⁽a) Correction for Motion in Declination, 0°.59
(b) Correction for Motion in Declination, 0°.83
(c) Observed at the 2°d and 4°h Wires.
(d) Correction for Motion in Declination, 0'.80
(f) Assumed Time of Transit by Molyneux, 19°h. 47°h. 31°h.

Sec. of appa-	Apparent Zenith		The	rmome	eter.			Microm.		emi-	Geoc. S. P. D. of		NAME OF STREET
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	dia	meter.	Center.	No.	NAME OF STA
,	0 / 8	Inch.	0	0	0	, ,	1 11	r	,	"	0 / #		PLANET.
	-55 18 24.84	.072	58.4	50.2		1 24-11					0 44 7.80		o Octantis.
	74 16 1·34 -24 7 9·61		58.0			3 24 - 37					130 23 22·46 31 56 21·01	182	Neb. in Pegas Achernar
4.83	-24 7 5 28					26.13					31 56 25:34	182	Achernar.
(1.67)	19 53 26·98 19 53 24·99	30.058	59.5	50.0		21-11	1.60				75 57 43·24 75 57 41·25		Pallas Pallas.
	31 15 1.71	30 · 147	62 · 2	66.2	60.8	34.41	4.42		16	0.00	87 35 28-45		0
	31 46 57·52 18 11 18·65	.096	62.6	67.0		35.13	4.49				87 35 24·91 74 15 31·89		0 2
(1.72	18 11 16.76		100000			18.58	2.09	1 100			74 15 30.00	10	9
3.47	7 51 53·19 7 51 54·81	30.089	62.5	65.5		7.83	64513				63 55 57·77 63 55 59·39		
	-0 3 34.82					0.06		6.33			56 0 21-87		
	31 0 16.11	30.274	62.0	61.0	54.8	34.56	4.39				86 48 42.43		0
	30 28 14·75 23 37 1·34	.260	62.0	61.3		34.84	4.32				86 48 42·62 79 41 23 22	1533	⊙ Spica
2.62	23 37 1.25					25.13					79 41 23.13		The Property of the Parket of
1.83)	17 20 46·97 17 20 45·31	.256	62.4	61.6		17.94	2.02		16	0.60	73 24 59·64 73 24 57·98		0
2.93	7 51 53 84	.226	62.3	61.8	55.5	7.92					63 55 58-51	1885	
	7 51 54·38 -0 3 33·70					0.06	60000				63 55 59·05 56 0 22·99		Antares.
5.70	-55 35 55.41	.226	59.03	52.0		1 25.16					0 26 36.18	1919	B Octantis
-	-55 35 49·34 -55 35 53·88					1 25 10	Par line				0 26 42·25 0 26 37·63		
4.37	-55 35 50.46	30.220	59-0	51.4		1 25.24					0 26 41.05		
	30 13 43·23 3 29 41 41·74	30.185	62.07	70-46	67.0	32.82	4.29		16	1.20	86 2 7·31 86 2 7·59		0
0.45.	-55 35 53.79	.098	61 - 2 5	58 - 5		32 · 12	4:22			20	86 2 7·59 0 26 39·24		O B Octantis
0.43)	-55 35 58.94					1 23.72					0 26 34.09		B Octantis.
	-43 41 17·08 39 14 33·76	· 085 (54.81	S. P. P. T.				12 21 44·86 95 19 17·35		a Octantis. Equalei
2.24	39 14 32 20					46.84	N. H. P. P.				95 19 15.79	2503	Equulei.
	1 5 8·03 0 10 11·53	and a		-		0.17					57 9 5 87 56 14 8·45	201200000000000000000000000000000000000	Piscis Australi
3.50	-52 49 54.94	.066	61.05	58.35	57.5	1 15.60					3 12 46 21	2011	C Octantis
	-52 49 53 81 85 11 21·36					1 15 00					3 12 47.34	9676	C Octantis.
0.00	23 34 58.06	.055	61 - 0 5	57-1		05.10	0.10				79 39 19-75	2070	Georgean
2.09	23 34 56·20 14 46 21·42		1			25.12	0.18				79 39 17-89		Georgean.
2.35	14 46 20 08	.054	01.03	37.2		15.17	1.44				70 50 31·90 70 50 30 56		Vesta Vesta,
2 90	-54 24 57·51 -54 24 57·75	.050	60.55	57.0	-	1 20.25				-	1 37 38·99 1 37 38·75		τ Octantis
0.50	-54 24 56·88 -54 24 57·93	.017	00.0		18.0	1 20 - 29	10 100	MA A			1 37 39 58		
-	4 54 20 03 : 4 54 20 ·74	·041 6	60.05	96.0	0.00	4.95					1 37 38·53 60 58 21·73 5 60 58 22·44 5		δ App. Sculp. δ App. Sculp.
	49 10 31·04 :	30.028	60.65	56.05	55.2	1 6.60					6 52 19-11	10	y 3 Octantis
0 -1-	-55 18 33·98 -55 18 32·94	30.010	60.0	56.0		1 22.99	74197	81			6 52 19·19 0 43 59·78	10	γ 3 Octantis, ο Octantis ο Octantis.

Coincidence of Micrometer Wire with fixed Wire, $=20^{\rm r}.154$ One revolution =40''.335 Correction for Runs =-2''.70 Adopted Zenith Point $=326^{\rm o}.\ 04'.\ 02''.66$ to Noon Oct. $2^{\rm nd}$. From Oct. $2^{\rm nd}$, $=326^{\rm o}.\ 04'.\ 03''.02$ Assumed Co-latitude $=56^{\rm o}.\ 03'$. 56''.75

Month	2000	NAME OF STAR	133		N	licrosc	opes.			Micrometer		Concluded	of ir.
and Day.	No. A.S.C.	or PLANET.		Λ	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.	reading of Circle.	Initials of Observer.
			1	"	,		11	"	0	h. m. s.	1 11	0 / #	
3 Oct.	182 182	AchernarM.R.				68 - 2					-32 · 27	170 11 13·13 301 56 54·71	T.M. T.M.
	219 219	a Hydri M.R.	29	42.6	53.6		25.0	78.0	21.0	21.348		174 29 0·21 297 39 7·93	T.M.
	210	z Oct. SPM.R.	38	33.8	17.	155·0 026·1	56-0	56.1	07.8	19-124	+1.21	204 38 28 58 267 29 35 26	T.M.
		(a) Pallas M.R.	42	45.5	52.	31.1	55-1	29.9	41.3	21.495	-54.09	127 41 48 - 34	T.M.
§ 4 Oct.	1	⊙ S. LM ⊙ N. L									-5.77	355 22 34·31 355 54 30·01	T.M.
4 5 Oct.		⊙ N.L M ⊙ S.L	31 59	39.5	52.	963.0	31.0	74.1	17.7			355 31 20·69 354 59 18·85	T.M.
		(b) BOctantisM.R.	40	31.0	17-	3 50 - 8	54.1	55-4	2.8	19 54 12 20·780	-0·76 -25·13	201 39 59-28	T.M.
	9	A Oct. SPM.R.	43	35.5	21.	854.0	57-1	59 . 9	9.2	19 59 45 19·482	P. C.	270 28 8·76 203 43 56·26	T.M.
	2472	A Octantis SP a Octantis M.R.	45	43.5	45.	172.8	18-1	78-5	23.8	20.790		268 24 9·15 189 45 21·28	T.M.
	2518	Piscis Austr	9	16.8	11.	242.7	1.5	20.0	53.0		+0.41	282 22 46·71 327 9 11·24	
	2577		37	45.0	46.	5 32 · 5 3 56 · 6	36-8	8 49 - 8	3 26 - 2	21.319	-46.87	326 14 15·53 142 36 55·70	T.M.
9 6 Oct.	2741	Fomalhaut M.R.	36	41.5	51.	8 31 . 7	52.	30.0	35.9	21.512	-54.65	329 31 11·81 128 35 45·87	T.M
ь 7 Oct.	· · ·	(a) Pallas	13000			1 55-4		1030		630000	-25.00	343 32 21·73 354 13 9·18	
9 4 000	1	⊙ N.L	45	7.	7 14.	1 33 - 9	2 52.	7 39 - 1	0 44 . 8	3	-20 00	354 45 12·29 341 3 9·82	T.M
	1885 1885	Antares M.R. Antares	12	43.	6 55.	0 52 . 9	9 44.5	2 51 .	2 26 - 9	21.038	-35.53	138 12 9·28 333 55 57·69	T.M
	2110	(e) ε Sagittarii Vega	32	47.	5 42.	0 60 .	8 30 .	4 52.	4 20 . 8			325 32 43·66 38 35 25·76	
⊙ 8 Oct.	2388	a ² Capricorni	56	65.	63.		2 46.	2 91 -	4 40 - (20 08 26-0		346 57 5·44 354 22 15·00	T.M
0 0 00	1885	⊙ S. L	50	8.	0 11.	2 30 1	0 51.	5 35	0 42 - 1	1		353 50 9·95 138 12 8·59	T.M
	1885 1915	Antares	55	60.	5 56.	4 79	2 43.	6 75	7 33 . (0	-10 0	333 55 58·57 326 0 28·93	T.M
D 9 Oct.		⊙ S.LM ⊙ N. L	27	41.	0 42.	5 62 .	8 23.	067	1 17-4	20.785	-25.33	353 27 16·36 353 59 20·18	T.M
		(f) 2's centerM.R.	49	34.	6 40.	6 26 1	4 38.	027-	0 23-1	21.420	-50.94	131 48 40·59 340 19 25·37	T.M
	1915	ε Scorpii	0	36.	3 29.	0 49 -	1 16.	7 40 .	2 8.9	2	1000	326 0 29·87 325 32 42·34	T.M
	2497 2497	η CapricorniM.R.	38	30.	4 38 .	5 19	2 44.	0.17-	0 27 - 8	8 21.073	-36.95	132 37 51·75 339 30 15·46	T.M
	2543 2543	¿ Capricorni M.R.	15	36.	8 62.	0 17-	3 75.	323.	6 52 - 9	21.419	-50.90	135 14 53·21 336 53 13·44	T.M
	2622	D S.L	30	44.	8 43.	9 51 .	7 42.	0.50	2 32 - (0	-11:41	340 30 44·09 126 47 36·16	T.M
	2622	Aquarii	20	31.	0 31.	2 34.	0 31.	1 36 -	0 19-8	8		345 20 30·76 120 43 45·50	T.M T.M
	2655	θ Aquarii	24	18.	321.	0 20 ·	3 20.	0 26.	7 12.4	4	1	351 24 19 53	

Bisected 70°. past Meridian. Correction for Curvature of Path, 0".69; for Motion in Declination, 0".88. Splendid Observing night.

Found bisected by the Micrometer Wire.
Observed 1°. past the Meridian.
Correction for Motion in Declination, 0".58

(e) 80°. past Meridian.
 Oct. 6°, 3°. M.T. moved the Circle in Azimuth to bisect the Meridian mark.
 (f) Correction for Motion in Declination, 0^H.71
 (g) Observed on the Meridian. Hurried.

Sec. of appa-		rent	Zenith	Barom.	The	rmome	eter.					Microm.	0	emi-	Geoc. S. P. D. of		NAME OF CO.
rent Zenith Point.	D	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction	Par	rallax.	opposite Limb.	dia	meter.	Center.	No. ASC	NAME OF STA or PLANET,
	0	,	"	Inch.	0	0	0	-		,	0	r		"	. / //		
3.92			10 11 8.31	29.967	60.6	56-2			25.73	3					31 56 20·91 31 56 22·71	182 182	
4.07	_00	O/A	55:00	29-960					31.04	1					27 38 28·52 27 38 30·62	219 219	a Hydri a Hydri.
1.92	-58 -58	34	25.56	29-953	61.0	59.4		1	33-15						-2 32 1·96 -2 32 4·16		z Oct. SP. z Octantis SP.
100	18	22	14 68	29.946					18.99		1.50				74 26 28-92		Pallas
			31·29 26·99	29.886	64.4	75.4	70.0		31.69		4.18		16	1.40	85 38 56·27 85 38 49·79		0
			17·67 15·83	30.088	63-0	62.8	59.6		32 - 17		4·20 4·13		16	1.70	85 15 40·69 85 15 41·62		0 0
	-55	35	56.26	.155	61.8	56.4						7112	-		0 26 36-27		B Octantis
			54·26 53·24	.165	61.0	55.0		1	24.22						0 26 38 27 -1 37 27 69		B Octantis. A Octantis SP.
2.11	-57	39	53.87					1	31.20						-1 37 28-32		A Octantis SP
			18.26	.172	61.3	55.8			55-26						12 21 43·23 12 21 45·18		α Octantis α Octantis.
			8 22 12·51	1000		0,0			1.10						57 9 6.07	2518	Piscis Austr.
3.76	3 9	27	7.32	G D		40			3.50						56 14 9.43 59 31 7 57 59 31 9 04	2741	Piscis Austr. Fomalhaut Fomalhaut.
3.80)			17·15 18·71	30 · 174	60.0	54.5			18.28		1.44				73 32 30·74 73 32 32·30		Pallas Pallas.
9		9		30.232	62.0	62.2	57.6		30.66		4.03		16	2.30	84 29 31.84		0
	28		9·27 6·80	.231	62.2	62 - 7			31 - 35		4.10	20.497		6.86	84 29 30·97 71 3 10·22		0
3.49			53·74 54·67	•230	62.2	61.8	56.2		7.92						63 55 58·41 63 55 59·34		
	-0	31	19.36					125	0.53						55 32 36.86	2110	ε Sagittarii,
	20		22.74	·263		58.3		3	1:42				1		128 38 20·91 76 57 21·25		
31.1		18	11.98	30.425		63 · 4	58 • 0		30.98		4.05		16	2.60	84 6 33.06		0
2	27		6·93 54·52	30.384	62.0	62.0	56.8	-	30.30		3.98	To Carrie	10	2 00	84 6 32·60 63 55 59·23	1885	O Antares
3.55	7	51	55·55 34·09	0.01					7.96			B. W. W.			63 55 60.26	1885	Antares.
1				30.323	61.0	65.2	60.0	100	29-60		3.93	200			56 0 22·60 83 43 38·00	1915	
4	27	55	16.60	37334				-	30.28		4.00		16	2.80	83 43 36-83		0
2.95)			23.06	-300	62.2	64.5	61.0		14.53		1.73	01/18	-		70 19 32·61 70 19 31·34	-	9
1111	-0	3	33·71 21.24	Sec. 1		in a grant	1	-	0.06						56 0 22-98		ε Scorpii.
3.61	13	26	11.83	-301	61.0	57.2	55.0		0.53						55 32 34·98 69 30 22·44	2497	η Capricorni
	10		11.88 10.37	.305	61.0	57.3	55-0								69 30 22·49 66 53 18·21		η Capricorni. ζ Capricorni
3.33	10	49	9·86 40·44					-	11.09	1			10	10,50	66 53 17.70		¿ Capricorni.
3.46	19	16	27.42	.326	61.0	57·2 57·1	22.0	-	20.30		44.17	1.00	16	18.53	75 20 44-47		
	19		27.18 18.08			57-0		- 1		Par		STELL ST		1 4	75 20 44·23 81 24 42·33	2622	Aquarii.
2.51			15.94	.020	1.0	1. 0	1	1	27.50	N			-	4	81 24 40 19		

Coincidence of the Micrometer Wire with fixed Wire, =20°.154 From Oct. 4th, at Noon, =20°.157 One revolution =40".335

Correction for Runs from Oct. 4th, at Noon, =-3".10

Adopted Zenith Point =326°. 04'. 03".02 to Oct. 9th, at Noon. From Oct. 9th, =326°. 04'. 03".58

Assumed Co-latitude =56°. 03'. 56".75

ZENITH DISTANCES OBSERVED WITH THE MURAL CIRCLE IN THE YEAR 1837.

Month		NAME OF STAR	_		N	licroso	opes.			Micrometer or Time by	Correction for Microm.			luded	of or.
and	No.	or	1	A	В	C	D	E	F	Molyneux.	or Time.			ding ircle.	Initials of Observer.
Day.		PLANET.	,	,	"		"		"	r. h. m. r.	1 11	0	,	,	40
9 Oct.		GeorgeanM.R.	32	43.0	60.9	15.1	76-1	20.6	57.7	20.169	-0.48	122	32	44.61	T.M
	2741	Georgean				24.1					-1 03.24			23.32	T.M T.M
	2741	Fomalhaut	30	71.7	7 70 - 9	80.1	68 - 1	75.0	56.5			329	31	10.91	T.M
		(a) Pallas M.R. Pallas				33.9					-11.82			37·98 27·10	T.M T.M
10 Oct.	1	⊙ N.LM.	15.50	-		79.0	800 3	1000		20.750	-23.82			32-47	T.M
	1915	⊙ S. L				47.8	100000			Partial		353 326		26.63	T.M
	2577	Piscis Austr				33.6								29.48	T.M
	2622	Aquarii M.R.				43.0				20.510	-14.24	126	47	36.41	T.M
	2622 2655	θ Aquarii M.R.				52.5				20.561	-16:30			30-47	T.M T.M
	2655	θ Aquarii				41.2				20 301				19.59	T.M
	0500	D S.L	1000			55.6		1000				346	36	31.81	T.M
	2730 2730	λ Aquarii M.R. λ Aquarii				33.0				21.300	-46.10			54.64	T.M T.M
	2781	↓3 Aquarii M.R.	38	47.8	60.9	31.3	65.2	35.0	49.0	21.039	-35.57				T.M
	2781	43 Aquarii	1000	-	2020	77.3		1000		01.101				55.05	T.M
	2844 2844	ð App. Sculp. M.R. ð App. Sculp			BE	38.2	7.5	000110	E 1 7 7 1	21.161	-40.50			43.46	T.M T.M
100	31	α Phœnicis M.R.				65.0				21.218	-42.80			4.46	T.M
	31	a Phœnicis				71.6						316		2.55	T.M
	00	(b) a Cassiopeæ Pallas M.R.				31.0				21.179	-1·60 -41·22			14.60	T.M
		(c) Pallas				83.9						342	22	10.58	T.M
11 Oct.	- 0	⊙ S.L M				52.5	000			19-970	+7.54				T.M
N	1915	⊙ N. L				64.7	DE L	2000	DIE- 12	1192		326		51.76	T.M T.M
	2110	ε Sagittarii	10.00			55.7			200200000			325	32	42.49	T.M
	2503	Equulei M.R.		100000		4.2	77.	1000	1900	20.324	-6.74				T.M
	2503 2518	Equulei				55.6								37·16 10·57	T.M T.M
	2577	Piscis Austr	14	22.2	10.7	28.1	5.3	18.4	59.0	The same of				13.51	T.M
	2730 2730	λ AquaM.R.				12.8				19.805	+14.20				T.M
11 1	2781	λ AquaM.R.	33			13.1				20.800	-25.93		38	10.78	T.M
	2781	↓ 3 Aqua				70.5						349	29	55.20	T.M
		(d) D S.L				86.8				20.816	-26.58			10.56	T.M T.M
	2870	r Piscium				59.0				20-010				43.69	T.M
4 12 Oct.	1 6	Georgean M.R.								19.180	+39-41				T.M
	2741	Georgean				60.5				21.043	-35.74			45·96 57·34	T.M T.M
	2741	Fomalhaut	31	14.1	8.9	24.1	3.0	17.9	54.0			329	31	10.75	T.M
		7 Octantis	38	69.8	371.8	83.7	30.0	84.3	33.4	23 00 30		271	39	1.75	T.M
13 Oct.	2741 2741	FomalhautM.R.				9.6				19.524	+25.53			56.82 10.95	T.M T.M
14 Oct	1	⊙ N. L M				45.6				20.850	-27.95				T.M
		⊙ S.L				8.0				The same	+0.24	351	34	9-95	T.M
	1	(f) Q N.L	39	14.8	8 9.1	19.6	9.6	18.2	0.8		+0.24	338	39	13.56	T.M

 ⁽a) Correction for Motion in Declination, 0".57
 (b) A faint nebulous blotch. Observed at the 5th Wire.
 (c) Correction for Motion in Declination, 0".57
 (d) Hot puffs of wind. Bad definition.

 ⁽e) A blotch from wind.
 (f) Observed one space beyond the 5th Wire. Correction for Motion, 0'.94, for Curvature of Path, 0'.97

Sec. of appa- rent		nt Zenith		The	rmome	eter.	D.		D	-11-	Microm.	S	emi-		Geoc	. S.	P. D. of		NAME OF ST	
Zenith Point.		tance.	Barom.	Attach.	Out.	Wet Bulb.	Ken	raction	Par	allax.	opposite Limb.		mete			Cent		No. ASC	or PLANET.	
"	0 /		Inch.	0	0	0	,	"	,	"	r	,			0	,	"			
3.97	23 31	19.74	30.323	1				25-22		0.18				The second	79	35	40·76 41·53		Georgean Georgean.	
3.61	3 27 3 27 16 3/	7.33	30.291	61.0				3.50							59 59 72	-		2741 2741	Fomalhaut Fomalhaut. Pallas	
(2.54)	16 35	23.52						17-31		1.38				7	72	39	36-20		Pallas.	
1		28.89	30.250	62.0	64.8	60.0		29·75 29·08		3.95		16	3.	10	83	20	48.34		0	
71-1		34.10	.250	62.0	64.8			0.06			1-18/				56	0	22.59	1915	ε Scorpii.	
		10.58	.224					0.17								14	7.50	2577	e Piscis Austra	a
3.44		27.17	.226	61.6	59.2			20.15						3			44.07			
		18.38	.226	61.6	59-2	14									81				θ Aquarii	
2.40		16.01						27 - 29			1				81	24	40.05	2655	θ Aquarii.	
		28.23	.223					21.62	20 .	53.84		16	22.	72			15.48		D	
3.06	25 29 25 29		.221	61.0	58.3	711		27.51											λ Aquarii	
		51.55	-221	61.0	58-0												32.16		λ Aquarii.	
3.54	1000	51.47	221	0. 0	00 0			25.03									13.25	TO SHEET SHEET	ψ 3 Aquarii.	
2.00	4 54	20.12	.207	61.0	58.0			4.96	11.3						60	58	21.83	2844	¿ App. Sculp.	
3.86		20.67						4.90									22.38		à App. Sculp.	
3.51	-9 15		•196	61.0	58.4			9.39									46.48	31	a Phœnicis	
	-9 15 89 9	11.02	•190	61.0	58 - 3	55.4									40	48	46.33	31 60		
	16 18		30.181							1 00	15 10 1				72	22	17.64	00	Pallas	
4.39)	16 18							16.86		1.36					72	22	19.25		Pallas.	
100	26 37	41.06	30.140	62.2	66.6	62.2		28 - 40		3.83					82	58	5.78		0	
363		48.18						29-07		3.90		16	3.4	10	82		6.70	-	0	
30	-	33.75		00.0				0.06							56				ε Scorpii.	
3		21.09	·079			50.0		0.53									35·13 19·39			
2.34		36.07	.082	02.2	02.0	99.0		46.57						-			16.90			
	1 5							1.08							57	9		2518		
	0 10	9.93						0.17								14	6.85	2577	Piscis Austr.	
1.78		10.81	.070	62.6	67.8		-	26.88											λ Aqua.	
	25 29 23 25	7·20 53·66	.064	64.0	80.0	60.5			1	100					81 79		30.83	The state of the s	λ Aqua.	
2.56		51.62	-004	04-0	09 0	02 0	1	24.38		8000							12.75		↓ 3 Aqua.	
	27 28		.054	63.2	67.0	61.6		29.34	27	33.51		16	23.4	16	83	21	23.02		D	
1.89			30.051	63.0	65.0	60.2		28 - 88						-					r Piscium	
1 00	27 0	40.11						20 00							83	5	5.74	2870	r Piscium.	
2.89			30.040	63.0	60.0	57.8		24.86		0.18				-	79		5.19		Georgean	
2 00		42.38	-	00 0	-0 0			F.F. 00		0 18				1	79		3.81	25.13	Georgean.	
4.05	3 27		.037	03.0	99.8	1		3:45	1						59		6.44		Fomalhaut.	
33	-54 25	0.00	.034	62.8	59.8	58.0	1	19.76		1	200				59		35.16	2/41	7 Octantis.	
	3 27				F3 (8)		1		1									2741	Fomalhaut	
3.89	3 27		30.017	02.0	04.0			3.50						-	59 59			2741	Fomalhaut.	
	26 2	13.40	30 - 120	63.2	65.0	61.0		27.74		3.75			1.0	0	81	50	29.94		0	
19 11		6.37				1000		27.09		3.68		16	4.2	U			30.73		0	
		9.98			200						20.636								ş	

Coincidence of Micrometer Wire with fixed Wire, =20°.157 One revolution =40°.335 Correction for Runs =-3°.10 Adopted Zenith Point =326°.04′.03°.58 Assumed Co-latitude =56°.03′.56°.75

Month	No.	NAME OF STAR			M	icrose	opes.	-			rometer Time by		rectio			oncl	uded	Jo s.
and Day,	A.S.C.	or PLANET.		Λ	В	c	D	E	F		lyneux.		Time.				rcle.	Initials of Observer.
Day.		T thirties.	,	,		"			11	h.	r. m. s.	,	,		0	,	"	
6 14 Oct.	1885	AntaresM.R.							65.2		21-210		-42.	18 1	38	12	9.45	T.N
	1885								46.0								58.85	
	2518	Piscis Austr							57.9					100	27		10.20	T.N
		C OctantisM.R.							16.0		20.939		-31 .	200			59.79	1 2000
	College .	C Octantis GeorgeanM.R.							42.2		18.982		+47.				10·97 18·11	T.N
		Georgean							37.4		10 302		7-21	1000			44.66	T.N
	2741	FomalhautM.R.							59.1		21.438		-51.			-	56.76	
	2741	Fomalhaut							56.0				1000	-	29		9.92	T.N
		7 Octantis M.R.							4.2		20.582		-17.				2.71	T.N
	11/11	τ Octantis	39	10.8	13.8	3 27 - (32.0	27.2	34.0					2	71	39	03.73	T.N
16 Oct.	27	β Hydri								0	17 18			2	81	50	50.20	T.M
17 Oct.	1885	(a) Antares M.R.							52.1		20.898	18	-29 -				8.09	
	1885	Antares	40000						42.0								57-44	
	2518	Piscis AustrM							3.0		21.810	-	06.					
	137	(b) Argus SP Georgean M.R.							63.7	21	12 53 20·314		e.				29·23 45·27	
		Georgean							13.5		20.314		-0.				21.32	
	2741	Fomalhaut. M.R.							55.1		21.301		-46.				57.56	1000
	2741	Fomalhaut	31							22	48 45	13					10.11	
		τ Octantis	39	10.0	12.9	25.0	29.	3 26 . 9	32.9	23	1 0	100		2	71	39	2.35	
	2844	à App. Sculp. M.R.							4 62 . 0		21.820	-	7.	08 1			44.69	
	2844	δ App. Sculp							1 10-2			1		_			22.51	T.N
	2861	γ ² Octantis							3 12 - 3					-			44.89	
	10 27	γ 3 Octantis				7 37 10 1			2 58 · 0 0 19 · 5		19 0		.1.				29·29 56·94	
	52	¿ Cassiopeæ							3 37 - 0		19 0		71				17-93	
	161	Phænicis M.R							59.4		21.690	-	01.					
	161	γ Phœnicis							2 59 . 0					3	15	51	17.96	
	182	AchernarM.R.							8 56 - 5		22.474	-	1 33.					
	182	Achernar							30.6		31 48						51.37	100000
	220	y Andromedæ M.	28	64.	5 113.5	2 106.	0 56.	0 134 (42.6		00.000						25.61	
		Companion Pallas M.R.	40	41.		110.	71.	10.0	52.4		20.038		+4.				30·41 57·06	00 100000
	1 10	(c) Pallas	26						2 57 . 0		21 230		-40			26		1 1 1 1 1 1 1 1 1
\$ 18 Oct	136	⊙ S.L M	5			1000			6 42 . 9		20.314		-6.	33 3	50	5	42.82	4 58
	1	⊙ N. L							1 47-2					3	50	37	52.80	
		(d) 2's center . M.R.	40	41.	0 57 .	6 19	871.	1 20 -	0 53.2		22.042	-	1 16.					
		s center							2 24 . 8					110			37-97	1000000
	1915	ε Scorpii							8 12.9					- 16	26		30.15	0 100 0
	2110	ε Sagittarii							6 26 . 9		1000			1				
4 19 Oct.	1	(e) O S.LM	1000						2 33 - 1		21.218		777				54.61	
		(6) O N.L	16						0 0.0				+0.				5.68	
	2110	(f) § N.L							0 22 · 0 2 25 · 5			1					35.00	
	2388	a ² Capricorni	57						5 58 - 8			1				57		
	2489	γ Cygni							0 52 - 3			1					44.08	
	2505	Cygni							8 24 - 4					-		13	- 1	
	2518	Piscis Austr	9	14.	0 11.	2 20.	0 6.	1 13.	2 56 . 3	3				-	327	9	9.70	T.I
	2577	Piscis Austr		18.	0 14.	9 25.	0 9.	5 18.	3 58 . 6	3			144				13.61	
	1	C OctantisM.R.							358.0		20.416		-10.				0.82	20000
	0000	C Octantis	100						2 38 - 2			1				14		
	2676	c Lacertæ	15	1.	049.	0.40.	gion.	0.02.	0 36 . 5	1		1		1	01	10	20.98	11.1

 ⁽a) Observed on the Meridian.
 (b) Bisected the junction of the orange and green colour of the spectrum.
 (c) Correction for Motion in Declination, 0°.53

 ⁽d) Correction for Motion in Declination, 0°.56 The Reflected Observation on the Meridian.
 (e) South Limb on the Meridian, and the North at the 5th Wire.
 (f) Cloudy. Bad observation.

Sec. of appa-	Apparent Zeni	th		rmome	ter.			Microm.	0	emi-	Gaca	S D	D. of		NAME OF CO.	
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diar	neter.		ente		No. ASC	OF PLANET.	AI
	0 / //	Inch.	0	0	0	, ,,	r "	r	,	"	0	,	"		Thanks.	
4.15	1 5 6:6	7 .145	63.8			7·79 1·09							59.81		Antares Antares. Piscis Austr.	1
5.38	-52 49 56·5 -52 49 52·6	1 .171	61.4			1 16.13					3	12	44·41 48·01	2010	C Octantis	1
1.39	03 09 45.4	7 .173	62.0	56.0		25.14	0.18		1		79 79	33	7·18 2·79		Georgean Georgean.	
3.34	3 27 6.8	2 .173	62.0	55.8		3.49					59 59	-		2741 2741	Fomalhaut Fomalhaut,	
3.22	_54 24 59·1 _54 24 59·8	3 30 182	61.5	55.5		1 20.83		133	-				36·79 36·07		τ Octantis τ Octantis.	
	_44 13 13 3	8 30 · 187				56.04					1		47.33	100	β Hydri.	
2.77	7 51 53.8			1997	1	7.00	12				63	55	60·07 58·44	1885	Antares.	
	1 5 7.5 -89 13 34.3 23 27 18.3	140	63·2 63·0 63·0	58.0		1.09					79		5·34 39·87	137		
3.30	23 27 17	4	263.0	1		24.98	3 6				79 59		39·30 6·24	2741	Georgean.	
3.84	-54 25 1	53	263-0	58.0		1 20-33					1		35.19		7 Octantis.	
3.60	4 04 10	93	8 63 - 0	57.8	55-9	4.98					60	58	20.59	2844	à App. Sculp.	
	-49 7 18 4 -49 10 34 5 -44 13 6	29 · 125	0 63 · 0 7 63 · 0 4 62 · 8	57 - 5	55.5	1 6·44 1 6·60 56·08					6	52	31.62 15.86 54.06	10	γ ² Octantis γ ³ Octantis. β Hydri.	
3.53	-10 12 45	52 · 120	4 62 · 5 0 62 · 5	256.2	1	10-4					45	51 51	0.82	161	γ Phœnicis γ Phœnicis.	
4.87	-24 7 12	21	0 62 · (100	1	25.80					31	56	16.10	182	Achernar.	
(3.18)	75 25 22- 75 25 26- 14 22 6- 14 22 5-	83 52 30·10	2 61 · 8 0 61 · 8			3 38·59 2 38·6 14·89		ı			131 70	33 26	57·37 2·19 16·88 16·08	3	γ Andromedæ Companion. Pallas Pallas.	
	24 1 39· 24 33 48·	00 30 10				25.9	3 - 5	6	16	5.3	80	22 22 28	2·89 2·83 42·88	3	0 0 9	
(2.83)	11 24 34· -0 3 33· -0 31 20·	15 67			102	0.00 0.5	3	6			67 56	28 0	40.89	1915	ε Scorpii. ε Sagittarii.	
	23 39 50- 24 12 1- 11 8 31-	79 30.14 86	964			24·75 25·3	3.4	201	16	5.6	80	0	14·43 14·85 30·28	3	0 0	
	-0 31 20· 20 53 0· 74 25 40·	83 30 · 08 26 · 08	564.	0 60 0	0	0·5 21·8 3 23·5	3 5 1				55 76 130	32 57 33	35·39 18·90 0·52	2110 2388 2489	ε Sagittarii. α ² Capricorni. γ Cygni.	
	1 5 5 0 10 9	88 79	561.	-		4 7·0 1·0 0·1	9				57 56		3·72 6·71		Piscis Austral Piscis Austral	
4.56	5 -52 49 57 -52 49 55 85 11 17	53	5 60 -			1 16.0	7	1	-				43.68		C Octantis C Octantis. c Lacertæ.	

Coincidence of Micrometer Wire with fixed Wire, = $20^{\circ}.157$ One revolution = $40^{\circ}.335$ Correction for Runs = $-3^{\circ}.10$ Adopted Zenith Point = $326^{\circ}.04'.03''.58$ From Oct. 18° , $326^{\circ}.04'.03''.82$ Assumed Co-latitude = $56^{\circ}.03'.56''.75$

Month		NAME OF STAR		-	M	licrose	opes.			Micrometer	Correction	(luded	Initials of Observer.
and	No.	OF.		A	В	C	D	E	F	Molyneux.	for Microm. or Time.			ling ircle.	als
Day.	A.S.C.	PLANET.			1	-	-	-	-		2				init.
			,	11	"	"	11	//	"	h. m. s.	, ,,	0	,	"	
4 19 Oct.		GeorgeanM.R.	37	47.0	58.0	20.6	73.2	23.0	57.8	20.390	-9.40			36.72	T.M
		Georgean	33.00		1200	30.8								30.08	T.M
	2741	FomalhautM.R.				24.0					-49.57				T.M
	2741	Fomalhaut				18.6						329		9.58	T.M
						56.7					-26.26			4.44	T.M
		7 Octantis				26.3						271		2.25	T.M
	10					38.0					+29.36				T.M
1 1	10	γ 3 Octantis				51.8					2 00 15			30.27	T.M
	27					47.5					-1 03.45				T.M
7	27	β Hydri				70.0					-34.65			50.58	T.M T.M
100	182 182					62.0					-34.03			51.69	T.M
	102	Achernar M.R.				12.8					-39.04			0.16	T.M
		(a) Pallas				13.0					-35 04	339		6.65	T.M
5 21 Oct.		⊙ S. LM	1	49.0	56.5	52.2	56.4	59.0	45.0	21.700	-1 02.24	349	0	50.29	T.M
		⊙ N. L	32	57.3	59.0	58.4	60.4	63.0	50.9	THE REAL PROPERTY.				58.25	T.M
	2110	€ Sagittarii				55.0								43.50	T.M
45 00						22.2									T.M
		Georgean	10000			43.0	1000							41.42	T.M
	2741	(b)				15.2					-40.46				T.M
	2741	L'Omamade,				19.1								10.08	T.M
						57.0								4.10	T.M
						30.0						271		4.99	T.M T.M
		(c) D.S.L				75.8								46.48	T.M
		ç's center	08	40.9	49.0	76.7	19.0	18.2	10.8					40 40	
⊙ 22 Oct.	2388	(d) a Capricorni M.R.	11	42.0	37.8	36.0	32.7	29.1	23.7	20.962	-32 · 15	125	11	1.03	T.M
	2388	α ^c Capricorni				37.8						346		6.82	T.M
	2472	a Octantis M.R.				79.1					-21.38				T.M
	2472		BE B			46.2			1000000					46.24	T.M
						52.5				20.260	-3.83				T.M
	0713	Georgean				52 · 1								19·96 57·96	T.M T.M
	2741	(b) Fomalhaut . M.R.				71.0						329		9.18	T.M
The state of	2/41	Tomamaut				42.0					-33.03			2.40	T.M
JE TO		7 OctantisM.R. 7 Octantis	1000	2000		64·8 55·6			THE RESERVE TO STATE OF	20.984		271		1.90	T.M
						40.2				20.110				27.99	T.M
		V' 3f D				34.8				21.894	-1 09.74	114	53	34.66	T.M
		(g) 2 s centerM.R.				62.1								31.95	T.M
D 02 0-4			1883						2 3	A CONTRACTOR OF THE PARTY OF	-19.00	240	10	18.00	TM
D 23 Oct.			W. C.			69.4	4	- A	2 2		-19.00	249	50	30.55	T M
	1885	O N.L				60.9								9.06	
1 1000	1885	(b) Antares M.R. Antares				32.8					-0-21			59.13	
	2000		10000			55.9			2010/00/00	The Control of the	-32.06				
		(h) \$ s center	BESSE.			29.8			7500					55.98	
	1915	« Scorpii	1000		00000	63.1								30.90	1
	2110	ε Sagittarii				74.0	2 2 "								T.M
100		Goorgeon M D	100			51.9	7220		200000000000000000000000000000000000000		+18.51				T.M
		(b) Georgean				91.2								58.95	
-	2741					60 8					+15.53	142	36	58.19	T.M.
1/4/11/11	2741	(b) Fomalhaut				102.6						329		9.60	
The state of		7 Octantis	38	72.0	67.0	55.0	56.0	51.6	63.1			271	39	0.37	T.M.
	1186	» Argus				57.6								52.04	
												40.00	THE RESERVE	A 80 18 18	1979 78 85
	1209 1209	Regulus M.R.				17.0					+5 48.21	99	23	25.15	T.M.

(a) Correction for Motion, 0'.51
(b) Observed at the 2nd and 4th Wires.
(c) Correction for Motion in Declination, +7'.29 For Curvature of Path, -0.'49
(d) Oct. 21st, 20th, 30th. M. T. cleaned the Circle pivots, and applied oil to them. Examined the Axis by means of the plumb line, and found the horizontal error trifling. The

Meridian Wire is a tangent on the East side to the disc on the Meridian mark. Correction for Curvature of Path, 0".15

Correction for Curvature of Paul, 0 .13 Hurried. Correction for Motion in Declination, 0".82 Observed at the 2^d and 4th Wires. Correction for Motion, 0".23 Observed on the Meridian, and 69°. after.

Sec. of appa-	Ann	arent 5	Zenith	Barom.	The	rmome	eter.			Microm.	e.	mi	Geoc. S. P. D. of		VALUE OF STREET	
rent Zenith Point.	I	Distanc	e.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	dian	neter.	Center.	No.	NAME OF STA	AK
"	0	1	g .	Inch.	0	0	0	, ,	, ,	r	,	"	0 / #		PLANEI.	
3.40	23	26 2 26 2 27		-084	61-6	55.5		25.05	0.17				79 30 48·73 79 30 47·89 59 31 7·07	2741	Georgean Georgean. Fomalhaut	F
3.29	3	27	5.76	30.084	61.0	56.0		3.49						2741		I
3.35	-49	25	1.57	30.077		18		1 20.50					1 37 34·68 6 52 15·24	10	τ Octantis.	I
4.39	-49	10 3 13 1	3.55		60.0			1 6.83					6 52 16·37 11 49 45·06	10 27		1
5.26	-44		5.00	.065	61.0	54.2		25.92					11 49 47·22 31 56 15·83	27 182	Achernar]
(3.41)	13	51	2·13 3·66 2·83	30.063	61.0	64.2		14.27	1-17				31 56 18·70 69 55 13·51 69 55 12·68	182	Achernar. Pallas Pallas.	1
		56 4 28 5		30-185	61.5	57.0	56.0	24·47 25·11	3·34 3·41		16	6.10	79 17 10·45 79 17 6·78		0	
2.85	-0 23	31 2 25 3	0·32 9·54	.311	59.8	53.2		0·53 25·34					55 32 35·90 79 30 1·46	2110	ε Sagittarii. Georgean	1
4.07	3		5·77 6·26	.311	59.8	53.2		3.53					79 29 59·52 59 31 6·05	2741	Georgean. Fomalhaut]
4.55	-54	10000	0.28	.311	59.8	52.5		1 21.67					59 31 6:54 1 37 34:80 1 37 36:25	2741	Fomalhaut. Octantis Octantis.	
	57	45 1	7.31	·306 30·302	60·0 61·3	55·2 61·0	56.2	1 32·06 35·39	45 47·24 4·44		14	17 - 58	113 19 46·46 87 39 10·36		D &	
3.93	20	53	2.79	30.230				22.14					76 57 21·68 76 57 21·89	2388	a 2 Capricorni	
4.95	-43	41 1	9.84	•231	60.0	54.2		54.29					12 21 42·62 12 21 44·88	2472	α Octantis	1
3.64	23	25 1 25 1	6.51	TO SOL	61.0	05.00		25.26	0.17				79 29 38·35 79 29 37·98	2-212	Georgean Georgean.]
3.57	3	27	5·86 5·36		61.0			3.52					59 31 5.63	2741	Fomalhaut]
2.15	-54		1.92	10000	61.0			1 21.28			6		1 37 36·89 1 37 33·55		τ Octantis τ Octantis.	1
(3.31)	13	10 2	5·83 9·16	30.201	60·5 62·0	53·8 62·9	58 - 2	13·57 34·58	7 1 10 10 10				69 10 45·04 87 14 56·22		Pallas §]
	22	10 2 14 1	4.21	30.187	62.0	63.4	58 • 0	100000000		10000	10	0.00	87 14 55·19 78 34 37·66		· ·	
4.10	7	46 2 51 5	6·73 4·76		62.3	10000		23.97			10	6.60	63 55 59.37	1885	O Antares	1
(3.17)	10		3.47	·134	62.3	64.5	60.5						63 55 59·92 66 13 59·08	1885	Ŷ.	1
	10 -0 -0	3 3	52·16 32·92	0125		2500		0.06	0 10-03				66 13 57·77 56 0 23·77	1915	ξ ε Scorpii.	
3.56	23	31 2 24 5 24 5	5.66	-127	61.5	58.4		0·53 24.91	A PARTY OF THE PAR				55 30 35·69 79 29 17·15 79 29 16·62		ε Sagittarii, Georgean Georgean.	1
3.90	3	27	5·63 5·78	-127	61.5	58.2		3.47					59 31 5.85	2741 2741	Fomalhaut]
	-54	25	3.45		61·5 61.0			1 20·26 23·62					1 37 33·04 25 41 21·35		7 Octantis.	
3.07	46		88.67	30.075	61.0	60.5	59.0	1 0.59					102 45 36·01 102 45 34·50	1209	Regulus	1

Coincidence of Micrometer Wire with fixed Wire, =20°.157 Oct. 22°d, Noon, =20°.165 One revolution =40".335 Correction for Runs =-3".10

Adopted Zenith Point to Noon Oct. 24th, =326°. 04'. 03".82 From Oct. 24th, =326°. 04'. 03".92

Assumed Co-latitude =56°. 03'. 56".75

24 Oct. 24 Oct. 27 27 27 27 21 11 11 12 14 14 14 25 Oct. 18	2388 2388 2741 1137 1137 1186 209 427 427	7 Octantis M.R. 7 Octantis	566 555 8 0 0 111 566 544 143 399 39 433 25 411 231 197 48 51 17	40·2 85·2 71·8 52·4 65·0 42·0 74·1 42·2 20·0 46·9 45·7 41·6 82·1 42·7 12·1 37·0 27·4 67·0 48·8 67·9 45·0 44·0 46·0	69 · 8 46 · 6 53 · 2 42 · 2 33 · 6 55 · 2 23 · 2 138 · 5 56 · 7 58 · 0 22 · 8 31 · 9 11 · 3 34 · 4 47 · 6 40 · 2 37 · 0 32 · 7 32 · 7	109-2 92-5 62-0 87-0 33-2 98-2 61-2 0-8 40-4 69-2 63-3 102-6 60-8 53-8 869-5 20-0 71-7 71-4	48 · 8 · 8 · 9 · 9 · 37 · 0 · 0 · 24 · 7 · 28 · 2 · 35 · 4 · 4 · 3 · 2 · 0 · 5 · 35 · 8 · 10 · 0 · 37 · 0 · 43 · 3 · 5 · 8 · 57 · 7 · 2 · 6 · 5 · 6 · 5 · 6 · 44 · 4 · 4 · 39 · 4 · 4 · 17 · 6 · 6 · 5 · 6 · 44 · 4 · 0 · 39 · 9 · 13 · 2 · 11 · 0	117·3 79·0 55·8 74·9 26·0 962·2 557·2 33·8 66·8 87 61·1 51·7 65·7 42·1 8·4 78·5 40·4 26·0 73·2	49·0 31·2 25·0 19·0 37·2 11·4 11·2 29·6 9·3 19·5 43·3 31·2 20·2 49·1 33·0 10·0	22.451	or /	-92·21 -29·53 -32·06 -7·30 +12·18 -27·63 -38·84 +0·57 -31·66 13·00	348 347 333 136 336 125 349 142 329 200 271 170 301 295 99 174 297 115 356	29 57 55 7 0 11 57 54 14 39 28 36 31 29 42 25 41 23 19 48 50 17	9·50 7·00 0·74 55·68 13·50 52·29 25·18 16·99 51·13 23·08 42·28 30·92	T T T T T T T T
24 Oct. 23 23 27 27 27 27 21 11 11 12 14 14 14 25 Oct. 18	2388 2388 2741 2741 1137 1136 1209 427 427	O N. L M. O S. L	299 566 554 111 566 544 144 399 288 366 300 299 39 433 255 411 233 199 488 511 17	40·2 85·2 71·8 52·4 65·0 42·0 74·1 42·2 20·0 46·9 45·7 41·6 82·1 42·7 12·1 37·0 27·4 67·0 48·8 67·9 45·0 44·0 46·0	22.66 69.8 46.66 53.2 42.2 33.6 55.2 23.2 13.1 38.5 56.7 58.0 22.8 7.8 31.9 11.3 50.2 34.4 47.6 40.2 37.0	63.9 109.2 92.5 62.0 87.0 33.2 98.2 0.8 40.4 46.9 63.3 102.6 60.8 53.8 69.5 20.0 87.0 71.7 71.4	3·77 48·8 30·9 37·0 24·7 28·2 35·4 3·2 0·5 37·0 43·3 5·8 57·7 2·6 6·5 43·9 44·0 39·9 11·0 11·0	58 · 8 · 117 · 3 · 79 · 0 · 0 · 55 · 8 · 8 · 74 · 9 · 95 · 0 · 0 · 95 · 0 · 25 · 7 · 2 · 2 · 33 · 8 · 86 · 8 · 87 · 3 · 3 · 61 · 1 · 1 · 51 · 7 · 7 · 42 · 1 · 8 · 4 · 78 · 5 · 40 · 4 · 26 · 0 · 73 · 2	3·0 49·0 31·2 25·0 24·0 19·0 37·2 17·4 10·2 29·6 9·3 19·5 43·3 17·4 3·9 7·0 7·6 51·0 31·2 20·2 49·1 33·0 10·0	20·140 22·451 20·897 20·960 20·346 19·863 20·850 21·128 20.950 21·975		+1·01 -92·21 -29·53 -32·06 -7·30 +12·18 -27·63 -38·84 +0·57 -31·66 13·00	348 347 333 136 325 346 125 349 142 329 200 271 170 301 295 99 174 297 115 356	57 55 7 0 11 57 54 14 39 28 36 31 29 39 42 25 41 23 19 48 50 17	32.30 20.03 59.11 14.90 53.82 0.39 5.89 2.37 6.54 29.54 38.59 58.96 9.50 7.00 0.74 55.68 13.50 55.29 25.18 16.99 51.13 23.08 42.28 30.92	T.:
23 23 23 27 27 27 27 27 21 11 11 12 14 14 14 12 12 12 12	2388 2388 2741 2741 1137 1136 1209 427 427	Antares Antares Antares 2's centerM.R. 2's centerM.R. Corapricorni C OctantisM.R. GeorgeanM.R. GeorgeanM.R. GeorgeanM.R. GeorgeanM.R. GeorgeanM.R. GeorgeanM.R. ArgusM.R. OS.LM.R. ArgusM.R. ArgusM.R. OS.LMM.R. ArgusM.R.	566 555 8 0 0 111 566 544 143 399 39 433 25 411 231 197 48 51 17	85·2 71·8 52·4 65·0 42·0 74·1 42·2 20·0 46·9 45·7 12·1 37·0 27·4 67·0 33·4 48·8 67·9 45·0 44·0 47·3 46·0	69 · 8 46 · 6 53 · 2 42 · 2 33 · 6 55 · 2 23 · 2 138 · 5 56 · 7 58 · 0 22 · 8 31 · 9 11 · 3 34 · 4 47 · 6 40 · 2 37 · 0 32 · 7 32 · 7	109-2 92-5 62-0 87-0 33-2 98-2 61-2 0-8 40-4 69-2 63-3 102-6 60-8 53-8 869-5 20-0 71-7 71-4	48 · 8 · 8 · 9 · 9 · 37 · 0 · 0 · 24 · 7 · 28 · 2 · 35 · 4 · 4 · 3 · 2 · 0 · 5 · 35 · 8 · 10 · 0 · 37 · 0 · 43 · 3 · 5 · 8 · 57 · 7 · 2 · 6 · 5 · 6 · 5 · 6 · 44 · 4 · 4 · 39 · 4 · 4 · 17 · 6 · 6 · 5 · 6 · 44 · 4 · 0 · 39 · 9 · 13 · 2 · 11 · 0	117·3 79·0 55·8 74·9 26·0 962·2 557·2 33·8 66·8 87 61·1 51·7 65·7 42·1 8·4 78·5 40·4 26·0 73·2	49·0 31·2 25·0 19·0 37·2 11·4 11·2 29·6 9·3 19·5 43·3 31·2 20·2 49·1 33·0 10·0	22·451 20·897 20·960 20·346 19·863 20·850 21·128 20.950 21·975		-92·21 -29·53 -32·06 -7·30 +12·18 -27·63 -38·84 +0·57 -31·66 13·00	347 333 136 336 125 346 198 273 1122 349 142 329 200 271 170 301 295 99 174 297 115 356	57 55 7 0 11 57 54 14 39 28 36 31 29 39 42 25 41 23 19 48 50 17	20.03 59.11 14·90 53·82 0·39 5·89 2·37 6·54 29·54 38·59 58·96 9·50 0·74 55·68 13·50 52·29 25·18 16·99 51·13 23·08 42·28 30·92	T T T T T T T T
23 23 27 27 27 27 21 11 11 12 14 14 14 12 12 12	2388 2388 2741 2741 1137 1136 1209 427 427	Antares	558 0 111 566 544 144 399 399 433 255 411 231 198 511 17	$\begin{array}{c} 71 \cdot 8 \\ 52 \cdot 4 \\ 65 \cdot 0 \\ 42 \cdot 0 \\ 74 \cdot 1 \\ 42 \cdot 2 \\ 20 \cdot 0 \\ 46 \cdot 9 \\ 45 \cdot 7 \\ 41 \cdot 6 \\ 82 \cdot 1 \\ 42 \cdot 7 \\ 12 \cdot 1 \\ 37 \cdot 0 \\ 27 \cdot 4 \\ 67 \cdot 0 \\ 48 \cdot 8 \\ 67 \cdot 9 \\ 45 \cdot 0 \\ 44 \cdot 0 \\ 47 \cdot 3 \\ 46 \cdot 0 \\ \end{array}$	46.6 53.2 42.2 33.6 55.2 23.2 23.2 31.3 13.1 31.5 56.7 58.0 22.8 31.9 11.3 50.2 348.4 47.6 40.2 37.0 32.7	92.5 62.0 87.0 33.2 98.2 61.2 0.8 40.4 66.3 3 102.6 60.8 69.5 20.0 0 85.3 81.4 45.7 71.7 71.4	30·9 37·0 24·7 28·2 35·4 3·2 535·8 10·0 37·0 43·3 5·8 57·7 2·6 6·5 44·4 439·4 11·6 11·0	79·0 55·8 74·9 26·0 995·0 662·2 557·2 33·8 666·8 87·3 661·1 51·7 42·1 8·4 478·5 40·4 26·0 73·2	31·2 25·0 19·0 37·2 17·4 19·5 43·3 19·5 43·3 17·4 3·9 7·0 7·6 51·0 31·2 20·2 49·1 33·0 10·0	22·451 20·897 20·960 20·346 19·863 20·850 21·128 20.950 21·975		-29·53 -32·06 -7·30 +12·18 -27·63 -38·84 +0·57 -31·66 13·00	333 136 336 125 346 198 273 122 349 142 329 200 271 170 301 295 99 174 297 115 356	55 7 0 11 57 54 14 39 28 36 31 29 39 42 25 41 23 19 48 50 17	59.11 14·90 53·82 0·39 5·89 2·37 6·54 29·54 29·56 9·50 7·00 0·74 55·68 13·50 52·29 25·18 16·99 51·13 23·08 42·28 30·92	T. T
23 23 27 27 27 27 21 11 11 12 14 14 14 12 12 12	2388 2388 2741 2741 1137 1136 1209 427 427	(a) \$\frac{9}{s}\$ centerM.R. \$\frac{9}{s}\$ center \$\frac{a}{s}\$ Capricorni M.R. \$\frac{a}{s}\$ Capricorni \$C OctantisM.R. \$C OctantisM.R. \$GeorgeanM.R. \$GeorgeanM.R. \$Fomalhaut \$FomalhautM.R. \$\tau\$ OctantisM.R. \$\tau\$ OctantisM.R. \$\tau\$ OctantisM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ OctantisR. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R. \$\tau\$ ArgusM.R.	. 8 0 0 111 556 54 144 399 39 433 255 411 233 197 366 8 14	52·4 65·0 42·0 74·1 42·2 20·0 46·9 45·7 41·6 82·1 42·7 12·1 37·0 27·4 67·0 48·8 67·9 45·0 44·0 47·3 46·0	53·2 42·2 33·6 55·2 23·2 13·1 31·5 56·7 58·0 22·8 7·8 31·9 11·3 50·2 37·0 32·7	62·0 87·0 33·2 98·2 61·2 0·8 66·3 3 102·6 60·8 53·8 69·5 20·0 8 55·8 8 10·4 69·2 20·3 8 10·4 71·7 71·4	37·0 24·7 28·2 35·4 3·2 35·8 10·0 37·0 43·3 5·8 57·7 2·6 6·5 44·4 439·4 417·6 44·0 39·9 13·2 111·0	$\begin{array}{c} 55 \cdot 8 \\ 74 \cdot 9 \\ 26 \cdot 0 \\ 95 \cdot 0 \\ 62 \cdot 2 \\ 57 \cdot 2 \\ 33 \cdot 8 \\ 66 \cdot 8 \\ 84 \cdot 7 \\ 36 \cdot 1 \\ 151 \cdot 7 \\ 64 \cdot 0 \\ 5 \cdot 7 \\ 44 \cdot 1 \\ 8 \cdot 4 \\ 78 \cdot 5 \\ 40 \cdot 4 \\ 26 \cdot 0 \\ 73 \cdot 2 \\ \end{array}$	25·0 24·0 19·0 37·2 17·4 10·2 29·6 9·3 119·5 43·3 317·4 7·6 51·0 31·2 20·2 49·1 33·0 10·0	22·451 20·897 20·960 20·346 19·863 20·850 21·128 20.950 21·975		-29·53 -32·06 -7·30 +12·18 -27·63 -38·84 +0·57 -31·66 13·00	136 336 125 346 198 273 122 349 142 329 200 271 170 301 295 99 174 297 115 356	7 0 11 57 54 14 39 28 36 31 29 39 42 25 41 23 19 48 50 17	$\begin{array}{c} 14\cdot 90 \\ 53\cdot 82 \\ 0\cdot 39 \\ 5\cdot 89 \\ 2\cdot 37 \\ 6\cdot 54 \\ 29\cdot 54 \\ 38\cdot 59 \\ 58\cdot 96 \\ 9\cdot 50 \\ 7\cdot 00 \\ 0\cdot 74 \\ 55\cdot 68 \\ 13\cdot 50 \\ 52\cdot 29 \\ 25\cdot 18 \\ 16\cdot 99 \\ 51\cdot 13 \\ 23\cdot 08 \\ 42\cdot 28 \\ 30\cdot 92 \\ \end{array}$	T. T
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25 Oct. 111 112 12 12 12 12 12 12 18	137 186 209 427 427	7 Octantis. c Argus	39 43 25 41 23 19 48 51 17 36 8 14	12·1 37·0 27·4 67·0 33·4 48·8 67·9 45·0 44·0 47·3 46·0	7·8 31·9 11·3 50·2 34·0 48·4 47·6 40·2 37·0 32·7	53·8 69·5 20·0 56·8 5·3 81·4 57·0 28·0 71·7	57·7 2·6 6·5 44·4 39·4 17·6 44·0 39·9 13·2 11·0	51·7 64·0 5·7 42·1 8·4 78·5 40·4 26·0 73·2	3·9 7·6 51·0 31·2 20·2 49·1 33·0 10·0	21·128 20.950 21·975		-38·84 +0·57 -31·66 13·00	271 170 301 295 99 174 297 115 356	39 42 25 41 23 19 48 50 17	0·74 55·68 13·50 52·29 25·18 16·99 51·13 23·08 42·28 30·92	T. T. T. T. T. T.
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25 Oct. 111 112 122 124 26 Oct. 18	1186 1209 1427 1427	v Argus	41 23 19 48 51 17 36 8 14	67·0 33·4 48·8 67·9 45·0 44·0 47·3 46·0	50·2 34·0 48·4 47·6 40·2 37·0 32·7	56·8 5·3 81·4 57·0 28·0 71·7	44·4 39·4 17·6 44·0 39·9 13·2	42·1 8·4 78·5 40·4 26·0 73·2	51·0 31·2 20·2 49·1 33·0 10·0	21.975		-31·66 13·00	295 99 174 297 115 356	41 23 19 48 50 17	52·29 25·18 16·99 51·13 23·08 42·28 30·92	T. T. T. T. T.
25 Oct. 11 11 12 12 12 4 26 Oct.	209 427 427	(c) Regulus R. (d) a Crucis M.R. a Crucis M.R. (e) § 's center M.R. § 's center O S.L M (f) ⊙ N.L. λ Argus	23 19 48 51 17 36 8 14	33·4 48·8 67·9 45·0 44·0 47·3 46·0	34·0 48·4 47·6 40·2 37·0 32·7	5·3 81·4 57·0 28·0 71·7 71·4	39·4 17·6 44·0 39·9 13·2 11·0	8·4 78·5 40·4 26·0 73·2	31·2 20·2 49·1 33·0 10·0	21.975		-31·66 13·00	99 174 297 115 356	23 19 48 50 17	25·18 16·99 51·13 23·08 42·28 30·92	T.1 T.1 T.1 T.1
25 Oct. 11 11 12 12 12 4 26 Oct.	427	(a) a Crucis	48 51 17 36 8 14	67·9 45·0 44·0 47·3 46·0	47.6 40.2 37.0 32.7	57·0 28·0 71·7 71·4	44·0 39·9 13·2 11·0	40·4 26·0 73·2	49·1 33·0 10·0	21.975		13.00	297 115 356	48 50 17	51·13 23·08 42·28 30·92	T.1 T.1 T.1
25 Oct. 11 11 12 12 12		(e) § 's center M . R . § 's center	51 17 36 8 14	45·0 44·0 47·3 46·0	40·2 37·0 32·7	28·0 71·7 71·4	39·9 13·2 11·0	26·0 73·2	33.0		-1		115 356	50 17	23·08 42·28 30·92	T.1 T.1
11 11 11 12 12 12		⊙ S.LM (f) ⊙ N.L λ Argus	17 36 8 14	44·0 47·3 46·0	37.0	71·7 71·4	13·2 11·0	73.2	10.0		-1		356	17	42·28 30·92	T.1
11 11 11 12 12 12		⊙ S.LM (f) ⊙ N.L λ Argus	36 8 14	47·3 46·0	32.7	71.4	11.0	2000		20.393					30.92	T.1
11 11 11 12 12 12		(f) ⊙ N.L	8	46.0				69.4	11.6	20 - 393			347	36		
11 11 12 12 4 26 Oct.		λ Argus	14		31.9			CQ . A	0.0	20 000		-9.20	200000	0	20.00	1787 7
11 11 12 12 4 26 Oct.	1.1/1				42.2					1000			348		39.22	T.I
11 12 12 4 26 Oct.	137	Argus	25	27.6											12.18	T.
12 26 Oct.	186	ν Argus		65.6						0.00			295	41	50.66	T.1
4 26 Oct.	209	Regulus M.R.		42.9						20.364		-8.03			25.83	T.I
18	209	Regulus		38.0						01.000	1	01.60			40.54	T.I
18	(g) & 's centerM.R.		24·9 56·8						21.693	-1	01.03			54.20	T.I
18		g s center	1000			100		95.33		00 040			1690			1200
10707		⊙ N.L M		35.6						20.840		-27:22			51.99	T.I
10707	885	O S. L		58·2 38·9						20.910		-30.05		12	9.26	T.1
100	885	Antares		73.1						20 010		00 00	333		0.13	T.1
		9 N.L	36	61.6	40.6	84.4	22-1	73.8	20.5						50.31	T.I
	1	h) &'s centerM.R.	57	46.5	41.5	29.2	42.0	28.5	34.5	22.751	-1	44.31				T.M
		"') β's center	111	79.4	69.8	106-2	45.8	105-0	45.0				355	12	16.14	T.N
27 Oct.		Georgean M.R.	30	50.0	49.5	49.1	38.7	37.9	32.5	19.088	-	43-44	122	40	23:40	T.N
27 000.	((b) Georgean		50.0						15 003					41.56	T.N
27	741	- Fomalhaut M.R.	F-200.00	45.0						19.957		+8.39	142	36	59-23	T.D
27	741	Fomalhaut	1000	81.9	2001 20				E				329	600	9.27	T.I
100	1	TOctantis M.R.		40.7						20.781	-	-24.85			7.16	T.I
0.0	7770	7 Octantis	0.000	14.3			2001/01	3707		and a		+0.06	326		8.15	T.1
1000	2779	γ App. Sculp δ App. Sculp. M.R.		20.5	1000		-			21.862	-1	08.45		72	46.14	T.1
	2844	(b) ¿ App. Sculp. M.R.		35.8	Partie and the same of										20.66	T.1
10000	10	y 3 Octantis M.R.	1000	53.1	200		200	222 0	200	20.236		-2.86				T.I
	10	γ 3 Octantis	53	38.1					OFFICE AND ADDRESS.			+0.24				T.M
	27	(k) B HydriM.R.	10000	50.0	1000	000000	200		2001	20.750		-23 - 59				T.I
	27	β Hydri γ Andromedæ		64.4						THE PERSON NAMED IN		Marian S	40		50·09 35·43	T.I

 ⁽a) Correction for Motion, 0⁴¹.44.
 (b) Observed at the 2^{3d} and 4th Wires.
 (c) Found bisected by the fixed Wire. The Observation at the 1st Wire.
 (d) Bisected the space between the double star. Difference in dec. of the two stars, 2".8. Observed on the Meridian and at the 4th Wire.

 ⁽e) Correction for Motion in Declination, 0°.97
 (f) Observed on the Meridian.
 (g) Correction for Motion in Declination, 1°.03
 (h) Correction for Motion in Declination, 1°.08
 (i) 1^m· past Meridian.
 (k) 1^m· past Meridian. Crabby.

Sec. of appa-	Anna-	ent Zenit	h	The	rmome	eter.					Microm.		emi-	Goo	2	P. D. of		NAME OF	
rent Zenith Point.		stance.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Par	allax.	opposite Limb.		meter.	Geo	Cen		No.	NAME OF ST	
	0	, ,	Inch.	0			-	,,	,		r	,	ø	0	,	,		PLANET.	-
	22 2	5 28-38	30.092	62.5	70.2	63 · 4		23.14	mn	3.27	Barrell.	16	6.90	78	13	38-10		0	
		3 16 11						22.53	1231	3.19		10	0.90	18		39.10		0	
			30.089					7-77	17.0					63		59·71 54·27	1885		
(4.36)		6 49.90		00-2	12-0	00.0		9.82	1	1.32		111		66		55.15		9	100
3.14	20 5			64.0	62.5			21.77				1		76 76	57	22·05 20·49			1
A . A (2)	-52 4	9 58.45	157	63.0	59.5		1	15:64			Profession of the Parket	19		3	12	42.66		C Octantis	
		9 57·38 4 34·38		62.5	58.8		-	PART PROPERTY.			E.B.			79		43.73		C Octantis. Georgean	
4.07	23 2	4 34.67						24.91	100	0.17		113		79	28	56.16		Georgean.	
4.23	3 2			62.3	58.5	56.5		3:47		2017		115		59	31		2741	Fomalhaut.	
0 0=	-54 2			62.2	58.0	56.5	,	20.40						1	37	33.27	2741	7 Octantis	1
	-54 2			2000			1	20.40	100	9389		16		1				7 Octantis.	
		8 51·76 8 50·42		61.5	60.2			26.34				13		31	24	38.65		ι Argus	
		2 11.63		61.8	61.6	59.0		33.56		11-11		1						v Argus.	
		0 38.74					1	0.66	1111	1123		18		1300		36.15			
4.06	-28 1	5 13·07 5 12·79	•193	63.4	67.0	63.0		30-47								13.21		a Crucis a Crucis.	
111111111111111111111111111111111111111	30 1	3 40.84	30 - 190	63.2	67.5			00.00		2.05		10		-	18	6.64	1-127	8	
2.68)		3 38.36						33.00		3.95		1		86	18	4.16	17	ğ	
	21 3	2 27.00	30.188	63.8	68.8	63.3		22.31	113	3.14		16	7.20		-	50.12	N. A.	0	
		4 35·30 0 12·32		00.0	60.3		100	22·92 8·88	NOW.	3.22		10	, 20	17		44.55	1114	O λ Argus.	
		8 51.74	00.4	02.0	00-0			26.26		93/4				31	24	38.75	1137	Argus.	
		2 13.26	000	62.0	62.0			33.43						25	41	10.06	1186		
2.10	1000	0 38.09	100000	62.2	69.4		1	0.43		500						35·27 33·80		Regulus Regulus.	9
		1 50.28						20.10		2.00						15.41	1,200	ğ	
3.92)	29 4	1 50.28						32 · 18		3.80				85	46	15.41		ğ	
	21 4		30.082	64.2	70.6	65.0		22.37		3.17		16	7-40		32	9.81		0	
	-	1 48·07 1 54·66	1047	00.0	70.0		185	21.76		3.10			. 40	11		10·88 59·16	1005	O Antares	-
4.70	0.00	1 56.21	.047	00.2	70.2			7.75		40,0	Break.					60.71		Antares.	
1133		2 46.39						9.43		1.28	20.522		7-20			44.09	1	9	
4.700		8 12.22	30.117	63.6	67 • 0	64.0		31.53		3.66	Party					35·10 36·84		ž Ž	3
			30.116	63.2	69.2	60.4		24 · 37		0-17				79	28	1.47		Georgean	1
	23 2	3 37·64 7 4·69		62.5	59-0	57.0				11			H		27	58.59	2741	Georgean. Fomalhaut]
4.25	3 2	7 5.35						3.47		115					31	5.57		Fomalhaut.	
4 35	-54 2: -54 2:		116	63.0	58.3	56.8	1	20-21		1			4 4	1		33.30	20	τ Octantis τ Octantis.	1
	0 3	1 4.23			300			0.52					10 3	56	35	1.50	2779	γ App. Sculp.	
3-40		1 17.78		63.0	57.8	57.0		4.95		123	15/15/19					19.48		à App. Sculp.	
		4 16·74 0 38·63		62 - 5	57.4	-				1	i		1			18.44		δ App. Sculp. γ 3 Octantis	
	49 1	38.33	1	1	- 1						100		90			11.77	10	γ 3 Octantis.	
		3 17.02		62.0	56-7	56.0		56.14		11111	1999		11			43.59	27	β Hydri	I
		3 13·83 4 31·51		100				19.51		1111	MALE OF THE PARTY		1			46.78	27 83	β Hydri. ν Andromedæ.	

Coincidence of Micrometer Wire with fixed Wire, =20°.165 One revolution =40°.335 Correction for Runs =-3°.10 Adopted Zenith Point to Achernar Oct. 27th, =326°.04′.03″.92 Assumed Co-latitude =56°.03′.56″.75

Month	22.00	NAME OF STAR				M	icrosc	opes.				crometer	Correction	(uded	of of
Month	No.	OF STAR		A	1	В	C	D	E	F		Time by olyneux.	for Microm.		read of Ci		Initials of Observer.
Day.	A.S.C.	PLANET.		-					-								De la
			,	"		"	0			11	h.	r. m. r.	/ //	0	,	,	
27 Oct.	182	AchernarM.R.	11	40	. 5	38.0	72.	9.	68-	11.3		20.640	-19.06	170	11	20.24	T.M.
2, 00.	182	Achernar								43.2				1000		48.20	T.M.
	219	a HydriM.R.	10000							7.2		20.876	-28.68	174	29	6.38	T.M.
	219	a Hydri	00	-			1			1.2				13.00	39	3.45	T.M.
		Pallas M.R. z Oct. SP M.R.								5 22 - 8		20.985		1000000		10.54	T.M T.M
		z Octantis SP	100	-	100				-			20.135				35.08	T.M
	365	a Persei			-						100	12 22-2		49		20.97	T.M
319	393	ð Persei	1							3 51 . (10	2.51	T.M
10	433	ε Persei	1							1 49 - 8			13116	39	29	3.36	T.M
	482	X Eridani	100					2 0000		3 3.4			1000000			30.54	T.M
1 113		σ Oct. SP R.	-		- 000				7 1 2 2 2 2	2 7.5	1 - 7	45 16	+11.20				T.M
		R.	100							4 47·9 2 15·9		50 50 56 10	100			37.90	T.M T.M
										9 41 - 9		1 3				36.36	T.M
		(a) R.								9 18 .	1 5	5 57				33.32	T.M
			17	52	-1	44.(30.	0 35.	4 28.	7 41 -1		11 9	-0.5	269	17	37.82	T.M
		R.								7 15.5		16 8	2.000			33.25	T.M
										2 46.		21 45				36.12	T.M
	699	α Columbæ								8 10 0		33 16-3				35.29	
	734	a Orionis M.R.	1000							2 11.	9	20.860	-28.0	-		27.16	A 100 M
	104	(b) y's centerM.R.								. 37.		21.208	-42.0			59-12	T.M
		(b) \$'s center								9 36.						8.52	100
28 Oct.		(c) Pallas M.R.							0.00	8 19-	24	21.580	-57.0			42.15	
	1	Pallas								4 55.			1			26.15	
	282 329	θ Persei γ Persei								8 38 · 9 11 ·			1			47·35 16·62	100000
	353	Eridani M.R.								7 34.		20.628	-18-6			43.58	
	353	Eridani								6 59 .		20 02	1			25.95	
	365	α Persei	1	41	.2	30.	8 42.	6 7	0 44.	7 23.	43	12 21 -3		45		31.15	
	424	(d) m 2 Eridani . M.R.	31							0 15.		21.37	-48.8			50.24	
	424	No Amindami	100							7 47						17.83	
	433	ε Persei	128	5 70).8	00.	5 82	7 36	8 08.	1 50.	0		The same	3	9 29	5.48	T.M
) 30 Oct.	1186	Argus SP	24	1 64	1.0	58.	0 35	2 53	8 46	8 63.	3			24	4 24	53-01	T.M
,	182	AchernarM.R.								0 13.		20.649	-19.5			22.36	
	182	Achernar	56	6 61	1.2	44.	5 53	0 39	5 40	141.	5			30	1 56	46.88	T.M
ğ 1 Nov.		* Octantis SP	20	000	5.0	01.	5 5.	011.	1 8.	0 16-	0			26	7 20	14-29	TN
¥ 1 1101.	1	Goorgeon M D	141	V 50	1.0	50.	OEI.	CEN.	0 46.	9 41 .	6	19.07	+43.9	6 12	2 41	34.37	T.M
	1000	(e) Georgean	26	3 40) . 5	26.	164	5 5	061	4 4.	0		1	34	9 26	33-47	T.M
	2741	Fomamant with	100	2 41	.0	lon.	009.	4 40	109	2 24	0	19.95	+8.3			59.45	
	2741	(e) Fomalhaut								0 40.				- E 020		8.15	Comment of the
		(f) Pallas M.R.	1							9 5.		20.72	-22.4			4.32	
	954	(f) Pallas	2							7 33 - 0 11 -		20.74	7 -02.4			15.46	
	365	a Persei										12 17	-20-4			32.00	
	424		3	1 55	5.8	60.	4.68	4 46	2 64	131.	1	21.72	0 -1 02.7				
	424	(h) m ^e Eridani M.R. m ^e Eridani	36	6 88	8.6	67.	6 112	4 50	8 101	0 48	0		1	33	5 37	18.33	T.M
9 Nov. 3.	1	⊙ N. LM								4 0.		20.15	+0.4	0 34	5 10	32-02	T.M
		⊙ S. L												34	4 38	15.93	T.M

 ⁽a) Time of Transit by Molyneux, 5th 6th 23th
 (b) Correction for Motion in Declination, 1°12
 (c) Correction for Motion in Declination, 0th 42
 (d) Meridian and 4th Wire.

⁽e) Observed at the 2nd and 4th Wires.

(f) Correction for Motion in Declination, 0".37

(g) Observed near the 5th Wire. Correction-0".75

(h) Observed at the 2nd and 5th Wires.

CALCULATION OF GEOCENTRIC SOUTH POLAR DISTANCES.

ec. of	A	mont	Zonith	-		Th	ermom	eter.		230				Microm.		emi-	Geor	e	P. D. of			
rent enith Point.	Appa	istar	Zenith ace.	Baro	om.	Attach.	Out.	Wet Bulb.	Ref	fraction	on.	Par	allax.	opposite Limb.	diar	meter.		Cent		No. ASC	NAME OF ST or PLANET.	
		,	"	Inc	h.	0	0	0		, ,,		,	"	r	,	"	0	,	"		FLANEI.	•
4.22	-24		16.32	30.	142	63-0	55.8	54.2		25.	90		1-4	01111			100		14.53	182		
4.92	-24 -28	25	15.72	30-1	142	63 · (65.0		0	30-							27	38	15·13 24·01	182 219	Achernar. a Hydri	
		58	0·94 53·85							12.	06		1.01				68	38	25·06 1·65	219	Pallas	
4.59	_58 _58	34 3	30·69 30·29	.1	142	61.5	54.6	53.0	1	34.	61						2 2	32	8·55 8·15		z Oct. SP. z Oct. SP.	
	83	5	16.58					53.2		26.9	5051						10000		40.28	365	α Persei.	
	81		58·12 58·97				53.8			12:	70-31						137		49·69 8·11	393 433		
	-0	15	33.85							0.9							10000		22.64	482	X Eridani.	
5.44	-56	46	28.59	•1	140	61.0	54.0		1	28.	40						100000	-	60.24		σOct. SP.	
	-56 -56	46	26·49 28·33				1	1		00	20								58·14 59·97			
4.24	-56	46 5	28.03						1	28.	39				NV.		-0	43	59.67			
5.57	-56	46	28·93 26·57						1	28 -:	39							-	60·57 58·21			
marie .	-56	46	28.86				100		,	28 -:	20								60.50			
4.70	-56	46 5	28-24	.1	136	60.0	54.0	53.6	1								10000		59.88	000	6.1	
			29·10 37·23	.1	135	60-0	54.9	54.9		0.	88								27·42 24·84	699 734	a Columbæ. α Orionis	
4.43		17	37.31				100			50.	86						97	22	24.92	734	a Orionis.	
3.82)	28 28		5·27 4·13	30 · 1	191	64 · (73.0	68.5		30.	50		3.52				84 84	37 37	29 00 27·86		ş ş	
4.15)			22.24	30.2	216	63 - 2	58 - 6			12.	02		0.99						30.02		Pallas	
1.0)			21·76 42·96	.5	213	63 • (58.5		6	45.									29·54 25·27	282	Pallas. θ Persei.	
-	86	35	12.23	-5	201	62.2	58.5			7777.0										329	γ Persei.	
4.77			20.81	. 1	190	62.2	58.5			4-	34								21.90	353	Eridani Eridani.	
	83	5	26.76	. 1	186	62.2	58.4		7	23.	49						200	-	47.00	365	a Persei.	
4.04			14.15							9.	70								20.60	424	m 2 Eridani	
	73		13.44	30 - 1	186	62 - 5	58.3		3	11.	05						129		19.89	424		
100				Per .			1												10.00		4 GD	
	-81 -24		11·38 17·97						6	1.0									16·28 13·49	1186	0	
42 - 1500	-24		17.51	~ (004		100			25.	29								13.95	182		
	-58	31	50.10	30.0	095	64.5	58.2		1	33.	62						-2	29	26.97		* Octantis S	
3.92	23	22	30.05				59.6			24.			0.17		1				51·37 50·43		Georgean Georgean.	
	-		29.08		086	65-8	59 - 9		1		10						1000	31		2741		
3.80	3	27	3.76			-				3.	46						1000	31		2741		
4.28)			0·07 59·85		118	05.0	56.3	3		11.	22		0.92				67	4			Pallas Pallas.	
	-35	27	11.07			1	1		1	41.							20	36	4.65	00000	ð Hydri	
777			27.61					55.5		23.	68								48·04 19·58	365 424		
4.80			13.12	30.	110	03-	30.8	33.0	-	9.	71								20.40			
1194			27·63 11·54	30.	244	64.	62.6	57.2	-	19-			2.81		16	9.40		-	32·01 34·20		0	

Coincidence of Micrometer Wire with fixed Wire, $=20^\circ.165$ One revolution =40''.335 Correction for Runs =-3''.10 Adopted Zenith Point $=326^\circ.04'.04''.39$ Assumed Co-latitude $=56^\circ.03'.56''.75$

Month		NAME OF STAR	1	200	M	icrosco	pes.	-		Micrometer or Time by		rection		oncl	uded	s of
and	No. A.S.C.	or	1	A	В	c	D	E	F	Molyneux.		Time.			rele.	Initials of Observer.
Day,		PLANET.	,	,	"	"	,		"	r.	,	,	0	,	,	10
4 Nov.	1533	SpicaM.R.	26	38 · 4	31.4	29.2	28.2	24.6	20.4	19.273	. 0.	+35.98	122	27	4.33	T.M
, 111011	1533	Spica	40	68 - 4	54.3	93.8	34.0	90.1	32.4				349		2.26	T.M
	1111	(a) S's center . M.R.									-3	16.63				T.M
	100	§ 's center	30	57.6	43.2	80.9	22.0	78.7	20.5				349	30	51.79	T.M
5 Nov.		⊙ N. L	22	20.0	00.7	63-1	0.7	50.0	50.0				344	22	30-39	T.M
o Nov.		o's center M D				77-7						+16.05				T.M
		(b) \$\frac{Q}{Q}\'s center				85.0						110 00			51-12	T.M
	2110	(c) ε Sagittarii				76.0									44.72	T.M
	100	Georgean M.R.										+35-61				T.M
		Georgean	ALC: UNKNOWN			87.2				- 500 10000					57.51	T.M
	2741	Fomalhaut. M.R.				63·0						+14.48	329		8.39	T.M T.M
	2741 1209	(d) Fomalhaut M.R.				27.4						-21 - 17	1000000			T.M
	1209	Regulus				68.5						-21 17			40.59	T.M
D 6 Nov.		Pallas	14	59.4	41.6	84-1	22-4	72.9	20.5				336	14	49.65	T.M
	254 254	à Hydri M.R.				74.2						-26-34	181	31	16.24	T.M
						55.6						+0.75	10000		53.70	T.M
	365	a Persei				52.8							49			
	393	à Persei				31.0							20.000		18·40 28·36	T.M
	482 588	η Aurigae				31.9							1000		17.58	T.M T.M
	611	Capella				55.0									39.55	
		σ Octantis SP	17	40.0	37.6	21.4	25.5	22.4	28.2	5 9 16			269		28.93	
	673	a Leporis M.R.	4	48.5	45.8	50-7	37 - 3	43.8	38-0	20.303		-5.65	130		37.94	
	673	a Leporis				63.5							342		29.39	T.M
	699	a Columbæ	100		1			1000		5 32 59.5			383		33.29	
7 Nov.	1000	* Octantis SP								22 15 00			266		18.81	T.M
		* Octantis SP	16							22 33 00 22 40 00			0.000		58.98 13.26	T.M
	0110	* Octantis SP								22 44 00					44.12	
	135	* Octantis SP				25.5							200000		36.24	
	2844	(f) & App. Sculp. M.R.	10	37.5	50.0	58 - 2	38 . 6	56.0	13.2	21.450	100	-51.91	10000		50.05	
	2844		58	33.8	10.0	53.8	51.2	43.8	52.9						20.74	1000000
	Ar in	* Oct. (6 m.) SP	45	25.0	22.8	5.1	8.8	11.8	16.0	23 54 00		.01.10			14.81	0.000
	1 603	(g) Companion M * Octantis SP	20	90.0	17.0	59-2	6.5	1.0	10.0	19.588	1-12	+21-19	10000		36.00	-
	11.69	(h) * Octantis SP								0 13 00					31.43	
10 Nov	La	⊙ N. L M				67.6						2.00				_
0 12 Nov.	130 %	⊙ S.L				041-8						-9.88	349	02	09.65	T.N
	2110					8 66 - 8						+6:57			45.31	
	1	2 S.L				338.0					-		334	3	4.53	T.N
	1000	* Octantis SP	45	10.	0 9-1	0 50 - 5	53.	154.	2 1.4	1 22 33 15					59.75	
	1000	* Octantis SP								0 22 39 37	19				15.06	
	1114	* Octantis SP								1 22 43 14	1		265	32	43.37	T.M
	2844	* Octantis SP ð App. Sculp. M.R.				8 27 - 9					1	+2.54			37.23	- Contract
	2844					551.					1	12 0			17.91	100.00
		* Octantis SP								6 23 54 15			100,000		15.73	THE RESIDENCE
		CompanionM					1			123 54 26		+19-9			35.70	1
	1		1 /3						110	19.668	1	120 01	10000			3 503
	1	* Octantis SP				6 1.				0 5 30			267	16	10·71 32·17	T.A
-	-	A Octabilis OI	.1(42	0.41	0 41	041	1 /4 /	000	1 0 10 04	1		-200	10	04 17	(A.D

Correction for Motion in Declination, 1".24
Correction for Motion in Declination, 0".15
Observed at the 4th Wire.
Observed by accident on the Micrometer Wire, and at the 2th All Wires.

(e) Observed in the 2nd interval, and at the 4th Wire. Corrections, 0".20 and 0".75

(f) Observed at the 2nd and 4th Wires.
(g) Faint blue colour. ? Brisb. No. 3884.
(h) ? Brisb. No. 4018. Cannot find Brisb. No. 4015.

Sec. of appa-		rent Zenit		The	rmome	eter.				Microm.		emi-	Gene	8	P. D. of		NAME OF CRAI
rent Zenith Point.		istance.	Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Parallax.	opposite Limb.	dia	meter.		Cent		No. ASC	OF PLANET,
"	0	1 0	Inch.	0	0	0	,	"	, ,	r	,	11		1	"		PLANET.
3.30	23	37 0·06 36 57·87	30.304	64.4	72.0	64.0		24.65							21.46		Company of the Compan
4.29)	23 9	26 47·60 26 47·40	30.295	64.2	73.2	64 · 1		24.39	2.5				79 79	31	19·27 6·15 5·95	1000	Spica.
		29 26.00	1	64.8	74.6	66.0	PR	18.75	2.75		16	9.90	74	17	28.88	10 10	0
4.47)		12 46·58 12 46·73		64.5	71.6	67.0		8.12					1		50·28 50·43	8	9 9
	-0 :	31 19·67 21 53·09	1000	64.2	61.4			0.53			111		55	32		2110	« Sagittarii. Georgean
4.41	23 9	21 53.12	1	64.2				24.77	0.17				79		14.47	0741	Georgean. Fomalhaut
4.00	3 9	27 4.00					100	3.46					59	31	4.21	2741	Fomalhaut.
4.06		10 36·86 10 36·20		63.4	04.2	61.2	1	0.29							33·90 33·24		Regulus l Regulus.
		0 45-26						10.15	0.84						51.32		Pallas.
4.97	-35 9	27 11·85 27 10·69		65.0	66.0	58.0		40.26					20	36		254 254	δ Hydri.
	83 81	5 38·15 6 14·01		65.0 65.0				17·18 46·78					139 137		52·08 57·54	365 393	The second secon
		5 36·03 5 13·19	.025	64·8 64·8	63.0			0·26 27·05					55 131		20.46	482 588	
100	79 4	10 35.16	.017	64.8	63.0		5	1.37			16		135	49	33.28	611	Capella.
3.67	15 8	16 35·46 59 26·45	.012	64.8	63.0	58.5		26·46 16·28			1		72		5·17 39·48	673	
0 0/		59 25·00 13 31·10			63.0			0.23					72 55		38·03 25·42	673 699	
		55 45·65 19 5·48		67·0 67·0				36.76							25.66 45.08		* Octantis SP. * Octantis SP.
-	-60 4	17 51-20	.000	67.0	66.5		1	36·35 40·50					-4	45	34.95		* Octantis SP.
		31 20·34 10 28·22		67·0	And the second			39·40 42·11		1849			-4 -5	29	2·99 13·58		* Octantis SP. * Octantis SP.
5.40		54 14·41 54 16·28		67.0	66.5			4.84			16				16·00 17·87		∂ App. Sculp. I ∂ App. Sculp.
	-61	18 49.65	.010	67.5	68.0			42.38					-5	16	35·28 14·08		* Octantis SP. Companion.
-	-58 3	18 28·46 31 55·03	.014	67.5			1	$42 \cdot 37$ $31 \cdot 44$					-2	29	29.72	8	* Octantis SP.
		17 33·03 28 24·05	220 - 230			05.0	1 3 3 3	39·90 16·53	2.4:				=0		16·18 23·40		* Octantis SP.
	15 8	56 5.19						15.96	2.3		16	11.50	72	16	27.05		0
	-0 3 7 8	31 19·15 59 0·07	29.994					0·52 7·79		19.700		9.34			37·08 12·76	2110	ε Sagittarii.
	-60 1 60	19 4.71	29.995	66.5	63.0			39.28							47·24 33·81	8	* Octantis SP.
	-60	31 21.09					1	40.03					-4	29	4.37		* Octantis SP.
	4	10 27·23 54 16.20					1	42.85			13		-5 60		13·33 17·83	2844	* Octantis SP. å App. Sculp. 1
3.09	4	54 13·45 18 48·73				121	1	4.88					-		15·08 35·54	2844	& App. Sculp. * Octantis SP.
		18 28.76		30 0			1030	43.54			1				15.55	10	Companion.
	-58	31 53.75	5				1	32.66	1000	18:00			-2	29	29.66		* Octantis SP. * Octantis SP.

Coincidence of Micrometer Wire with fixed Wire, =20°.165 Nov. 5th 20°.163 One revolution =40".335 Correction for Runs =-3".10 Adopted Zenith Point to Nov. 7th, at Noon, =326°. 04'. 04".39 From Nov. 7th, =326°. 04'. 04".46 Assumed Co-latitude =56°. 03'. 56".75

Mont	h	1	NAME OF STAR	_		1 19	Mi	crosc	opes.				crometer			ction			luded	-	Initials of
and	No		or or		A	В		c	D	E	F		Time by olyneux.		Ti				ding ircle.		als
Day.	A.S.	C.	PLANET.		24	1			1	-	-		,	100		-		-			E ST
				,	//	"		"	"	11	"	h.	r. m. s.		,	"		-	"		
) 12 N	ov		D N.L	13	73.	0.80	6	101-8	49.8	113-0	53.6		deal				23	14	18-1	19 1	r.n
, ,,	448	3	A 1 Tauri	1000		7 0000	V (5 II)			84.4	10000						21		47.7		T.D
	509	2	v 1 Tauri	25	3.	5 13.	1:	32.1	39.3	47.0	40.7						22	25	9.9	100	T.N
	699)	a Columbæ	50	45.	8 23.	96	63.1	6.9	47.2	4.8						325	50	31.9	00	T.A
15 N	ov.	(a) §'s centerM.R.	19	32.	2 25.	9	32.9	16.7	24.2	7.9		21.347		-4	7.76	129	18	35.0	9 7	r.n
4 16 N	ov.		⊙ N. L M							65.2			19.714		+1	8.11	341		56.8		r.n
	004		⊙ S.L	10000			0.00			64.8			00.000		-		-		37-1	100	r.n
	2844 2844	10.00	å App. Sculp. MR.							82·6 42·1			22.032		-7	5.39			20.6		r.A
	31		à App. Sculp a Phœnicis M.R.							83.0			21.283		-4	5.19			13.3		Г. В Г. В
	31		a Phœnicis							60.2			21 200			0 10			54.8		r.n
	83		» Andromedæ							62.0							40		40.0		
	182	10	Achernar MR							70.8			20.535		-1:	5.00	170		27.0		r.n
	182		Achernar							36.6					+	1.77			45.2	-	r.n
	220		γ Andromedæ	29	42.0	35.	35	52.7	7-1	55.3	21.4	1	20 000						35.1		r.A
	1999		Companion M	00	20.	21.	11	6.0	91.7	18.6	97.0		20·057 17 10		+	4.28			39.4		C.N
	282		z Octantis SP θ Persei	25	54.6	347.	0.5	57.9	22.9	61.0	37.8	2	17 10						46.6		C.N
	100000) Persei	51	59.8	51.	86	34.0	28.0	67.1	41.8						1000		51.8		C.N
	365		α PerseiM									(3)	13 01·5 19·863		+15	2 · 10			34.7		r. N
	368		Eridani	1000			_			50.8	Report Control		19.863						45.7	20 2	r. N
	393		ô Persei							47.0			20.683		-20	0.97	47	10	10.0		
	424		m º Eridani . M.R.	31	22.9	27.	03	36.6	12.2	32.3	56.0		20.816				136	30	54.5	5 7	C.D
	424		m 2 Eridani				-			37.7	126 0								14.8		
	433		ε Persei				-			31.8							200	29	8.9	0 10	r.N
	482		X Eridani	100	-					40.9		-	0.10						39.3	S7 10	.N
	De lor		σ Octantis SPR.							63·1 20·5			0 16 5 17						28.5		C.N
	SHI CALL		SP., R.										10 21						39.9		r.M
			SP							22-1			14 50			-			28.2		C.N
	-		Ceres										28 42						19.8		C.N
	684		ζ Tauri M										16.018	+5	2 4	7.19	21	1	7.0	0 7	C.M
	699		a Columbae							46.2									31.1		.M
	734		a Orionis M.R.							22.2			20.410		-5	9.96			26.6	. 3	.M
	734 807		a Orionis							75.1			01.004		40	0.41		1700	39.4	- 15	C.M
	807		Canopus M.R.							11.3			21.364		-4	5.41			15.3	- 15	r.M
	838		SiriusM.R.										20.905		-29	9-93	128		0.6		
	838		Sirius							34.3							343	30	6.9	0 T	.M
	881		τ Geminorum	28	27 - 9	26.	0 5	50.8	55.0	56.4	3.0						30	28	26.0	5 T	C.M
	900		& Geminorum										100						17.3		
		(d) D S.L												+	3.37	27	40	0.2	7 7	.M
	1010												54 30				269	34	55·4 35·7	9 7	.N
	1012		λ Cancri	30	11.0	5 14.	9 9	12.0	47.4	49.2	49.5						24	30	99.1	1	.D
17 N	ov.		σ Octantis SP R.																39.1		
	1911		SP							25.9			6 30						33.3		
			SP R.										11 18 16 30						32.8		
			Ceres							91.9			10 00			- 01	21		56.7		
	684		ζ TauriM										19-988		+	7.18	100	1	3.9		
				50						43.2	3.5				+1	0.70	325		30.0	1 7	C.M
) 6 Cancri										1 1 1 1 1 1						52.9		

Molyneux fast, Nov. 16th, 13t.5 The minute hand had been previously pushed on 1m.

Seen indistinctly through clouds.

Observed at the Meridian and 5th Wires.
Observed at the Meridian and 5th Wires.
Observed at the 5th Wire. Correction for Motion in Declination, + 3".93 For Curvature of Path, -0".56

⁽e) Observed near the 5th Wire.

⁽f) It is probable this Star was observed on the Micrometer Wire.

Sec. of appa-		ren	t Zenith	Barom.	113	rmome	eter.	D. C. III	Dangli	Microm.	The state of the s	Geoc. S. P. D. of	10	NAME OF CO.
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.	Center.	No.	NAME OF STA
"	•	,	"	Inch.		0	0	, ,,	' "	r	' "	· / #		PLANET.
	55 56	32 21	43·25 4·81	29·955 29·949 29·943 29·895	66.0	58·7 57·8		1 28·28 1 23·08 1 25·76 0·22			15 42.09	112 11 39·54 111 38 3·08 112 26 27·32 55 50 23·97	448 502 699	y 1 Tauri.
	16	45	29.37	30.000	66.0	66.8		16.97	1.72			72 49 41.37		ğ
				30.003	66.0	66.4	61.2		2.28		16 12 - 40	71 13 50.05		0
6.05	4	54	32·69 13·05	.074	65.0	58.0		15·00 4·93	111111111111111111111111111111111111111			60 58 14.73	2844	
	-9		16·23 8·92	-074	64.6	57.2		9.38		1180		60 58 17·91 46 48 38·45	2844	δ App. Sculp. α Phœnicis
4.11	-9 74		9·63 35·63	.078	63.5	57.0		3 18.96				46 48 37·74 130 11 51·34	31 83	a Phœnicis.
6.19	-24 -24	7	22·60 19·17	.079				25.81				31 56 8·34 31 56 11·77	182 182	Achernar
	75	25	30.70	.080	63.0	56.4	54.5					131 33 5.43	220	y Andromedæ.
-	-58	34	34·98 39·47	.085	63.0	56.5		3 37·99 1 34·08				131 33 9·72 -2 32 16·80		Companion. z Octantis SP
			42·21 47·43	.085	63.0	56.0		6 45·47 7 7·93				138 32 24·43 138 58 52·11	282 340	θ Persei. Persei.
	83	5	30.26					7 24 - 67				139 16 51.68		α Persei.
	-9 81	45	18·68 5·60	-084	62.0	56.0	54.0	9·92 5 52·58			LAN B	46 18 28·15 137 15 54·93	368 393	Mark a constitution
4.68	9	33	9·91 10·35	.081	62.0	56.0		9.71				65 37 16·37 65 37 16·81	424	m 2 Eridani
	73	25	4.51	.081	62.0	56.0		3 11.26				129 32 12.52	433	7.7
	-56	46	38·46 34·92					1 27.83				55 48 18·03 -0 44 6·00	482	X Eridani σ Octantis SP.
			35·96 35·49	TO BE				2 3000				-0 44 7·04 -0 44 6·57		σ Octantis SP. σ Octantis SP.
4.09			36·24 15·35	30.062	61.0	56.0		1 27.83	3.91			-0 44 7·32 110 59 30·08		σ Octantis SP. Ceres.
	54	57	2.54				9	1 22.03	0 31		MAN'S	111 2 21·32 55 50 23·24	684	Z Tauri.
3.01	41	17	37.86	.163	61.0	55.9		1 50.80		-		97 23 25.41	734	α Columbæ. α Orionis
4.60	-18	39	34·95 49·55	.163	61.0	54.5		19.60	N boo			97 23 22·50 37 23 47·60	807	a Orionis. Canopus
	-18 17		49·10 3·81	.163	61.0	54.0		1000000				37 23 48·05 73 30 18·80	807	Canopus. Sirius
3.78	17		2.44	.163				18.24	3	1390		73 30 17·43 120 30 18·78	838	Sirius.
	56	11	12·88 55·81			55.3		1 20.73	48 17.68			112 16 30·36 117 8 21·54		¿ Geminorum.
-	-56	29	8.97	.163				1 27.33	40 17-08			-0 26 39.55		B Octantis SP.
				30.163	2000			1 34 · 12	7 7 7 7	30.89		114 32 2.12	1012	
			34.65	30.067	61.0	50.0		1 28.88				-0 44 6·78 -0 44 3·24		σ Octantis SP.
			36.09	.057	60.0	50.0		1 28.86				-0 44 8·20 -0 44 3·73	-	σ Octantis SP. σ Octantis SP.
-	-54	56	52·31 59·49	.046	50-0	10.0	17.0	1 23.12	3.93			111 2 8.25	694	Ceres.
1	-0	13	34.45				47.6	0.23		The same			699	a Columbae.
	62	8	48.46	30.042	59.0	50.2	- 1	1 49.95				118 14 35-16	984	6 Cancri.

Coincidence of Micrometer Wire with fixed Wire, =20°.163 One revolution =40".335 Correction for Runs =-3".10
Adopted Zenith Point to Noon, Nov.. 17th, =326°.04'.04".46
Assumed Co-latitude =56°.03'.56".75

Month		NAME OF STAD			M	licrosc	opes.			Micro		Correction		Concl	luded	r.
Month and Day,	No. A.S.C.	NAME OF STAR or PLANET.		A	В	c	D	E	F	or Tir Moly		for Microm. or Time.	-	reac of Ci	ling ircle.	Initials of Observer,
Day.		That is	,	"	"	"	"	"	"	h. m		1 11	0	,		10
, 18 Nov.	31 31	α Phœnicis M.R. α Phœnicis				60.0					• 573	-16.42			13.30 54.71	T.M.
20 Nov.						80.0					210				44.90	T.M
	0770					50·6					40	+0.67			57.39	T.M T.M
	2779	γ App. Sculp α Phœnicis M.R.	10	40.0	18.3	72.4	20.4	67.0	13.1	20	894	-29.36	326			T.M
	31	a Phœnicis				78.6					004	-25 00			54.44	T.M
						30.8					100				23.78	T.M
	83	» Andromedæ				58-4					weeks		40		40.65	T.M
	161	γ Phœnicis M.R				76.1					.368	-48.41	156	16	57.53	T.M
	161	γ Phœnicis				93.5									10.90	T.M
	182	AchernarM.R.				85.9					.743	-23.27				T.M
	182	Achernar				51.7									43.71	T.M
	1 1000000000000000000000000000000000000	(b) a HydriM.R. a Hydri				69.0					667	-20.21			56.62	T.M T.M
	219	(c) a Persei				46.8						TO THE PARTY	49		35.68	T.M
	482	X Eridani				56.4		100000000000000000000000000000000000000	100000						25.18	T.M
	506	Eridani				61.6									29.11	T.M
	667	Tauri M	23	29.	5 36 - 0	58.9	5.4	70-5	6.0	14	1-990	+3 28.77			2.78	T.M
	100000	Ceres				88.8					5 54	100000000000000000000000000000000000000	21		3.55	T.M
	699	a Columbæ				64.1									31.68	T.M
	734	a OrionisM.R.	46	23.	5 23 · (56.4	27.0	1.5	19.8	3 19	9.874	+11.78				T.M
	734	a Orionis	21	37 -	541.8	8 70-9	12.8	78.4	10.1	1					41.51	T.M
	807					61:3).964	-32 · 19			13.12	T.M T.M
	807	CanopusM.R.	24	30.	5 27.	2 27 - 2	07.0	25.6	19.6	0 0	0.964	-32 · 19				T.M
	838	Sirius	29	74.	8 57 - 1	8 100-8	37.0	95.5	33.7	7	004	-02 10		30		T.M
\$ 21 Nov.	365	α Persei				2 45.6							49		33.99	T.M
	The state of the state of	(d) X Eridani				3 116-1						+0.19			23.96	T.M
	506	Eridani	36	42.	5 19 .	2 60 - 8	2.7	43.0	1.6	5			100000		28.13	T.M
	1	(e) Tauri	15	41.	1 48	5 72 - 1	18.6	81.8	7.4	1		0.01			44.53	T.M T.M
	582 807	ζ AurigæM CanopusM.R.				0 62 - 9					0.320 1.137				39·89 57·18	T.M
	807	Canopus	94	30.	1 0.	0 27-8	2.5	8 10-6	1.6	8 2	1.101	-09.17	307	24	13.49	T.M
	838	Sirius M.R.									1.180	-40.09				T.M
	838	Sirius				0 42 . (30		T.M
	883	& Canis Maj. M.R.	16	35.	347.	1 55 -	2 28 . (53.	10-5	2 2	0.667	-20.21			17.23	T.M
	883	8 Canis Majoris	51	65.	741.	0 87.	5 24 . 9	75.0	23.8	8				51	53.33	T.M
	915	(f) Tanis Maj. M.R.									0.820	-26.38			15.39	
	915	(J)η Canis Majoris	0			190.						10.00	331		55.29	
	1070	(f) a Pix. Naut. M.R.	23			3 69 · 8 101 ·					1.361	-48.00		24		
\$ 22 Nov.		⊙S.LM	34	35.	2 20.	0 61 .	59.	1 55.	1 55.	6 2	1 · 121	-38 - 59	339	33	48.73	T.M
	1	O N.L				1 47-					-	No. of Contract of			14.25	
	31	a Phœnicis M.R. a Phœnicis				378					0.462	-11.94			14·37 54·34	T.M T.M
2 23 Nov.		z Octantis SP				8 12						To A Store			20.62	1
# 20 140V.		(g) α ² Centauri SP				8 13									32.64	
	365					061.							49		49.27	T.M
	424					8 52.					1.170	-40.50			55.75	T.M
	424					1 107-									13.98	TM

Molyneux fast, Nov. 16th, 13s.5

Nov. 17th. Good bisections impossible from bad images.

Nov. 20th. Molyneux Clock was removed to the center room, preparatory to pendulum experiments.

 ⁽a) Observed at the 4th Wire. Image faint.
 (b) Disturbed by wind.
 (c) A boiling prismatic spectrum.
 (d) Observed at the 4th Wire.

 ⁽e) Observed at the 5th Wire. Cloudy.
 (f) Observed at the 2nd and 4th Wires.
 (g) Boiling brilliant prismatic colours.

appa-	Appar	ent Zenith			rmome	eter.			-		Microm. for	S	emi		Geoc.	S. 1	P. D. of		NAME OF ST.	
rent Zenith Point.		stance.	Barom.	Attach.	Out.	Wet Bulb.	Ket	raction.	Par	allax.	opposite Limb.	dia	met	er.		Cent		No. ASC	or PLANET.	
"	0 /		Inch.	0	0	0	,	,,	,	,,	r	,	-	,	0	,	"		T MAINTE	
4.01	-9 1 -9 1		30 · 176	64.2	56.0		7.0	9.43	919								38·63 37·42	31 31		
		8 40.29						14.69		2.14		16	13	10			36.49		0	
	-54 2		.225	64.0	58.0		1	20.54			DE3315	-					28.99		7 Octantis.	
0.5	0 3		-010	00. 5	57.0		1	0.52			0.805	N:					58.37		γ App. Sculp	>.
3.94	-9 1	5 8·83 5 10·17	218	63.5	31.0			9.43				90					38·49 37·15	31	a Phœnicis a Phœnicis.	
		0 19.17	.218	63.5	57.2	54.0									-10	40	07 10	60		
		4 36.04		63.5				19.18	1			1			130	11	51.97	83		
		2 52.92		63.5					Has			1					53.41	161	y Phœnicis	
4.22	-10 1	2 53.71						10.42	1-370								52.62	161	7 Phœnicis.	
5.88		7 23.44	.215	63.5	57:2			25.89	0.0						31		7.42	182		
		7 20.90	210	00 0	0		1-0	20 00	0.5						31		9.96			
5.35	-28 2		.213	63.0	57.0			31.30	0-1								15·99 17·46			
	-28 2 83	5 7·99 5 31·07	.903	63.0	57.0		7	25.07	1000								52.89		TO STATE OF THE PARTY OF THE PA	
		5 39.43	200	00.0	0, 0		-	0.26	270	1000							17.06			
		7 35.50						0.46									20.79			
		2 58-17	.160	63.0	57.2	54.6	1	14.77	2.0						108	28	9.69	667		
		4 58.94	2				1	22.49	8.5	3.98							14.20	The second	Ceres.	
	0.00	3 32.93						0.23	100								23.59	1		
4.22	41 1	7 37·68 7 36·90	. 151	62.5	57.2		1	50.65	9 - 3			13					25·08 24·30	734		
	41 1	9 50.94	.144	63.0	57 0		19		000		13350	133			10000		46.31	807		
4.34	-18 3	9 51.49	1.4.4	03.0	01.0			19.50									45.76			
	17 2	6 3.36	30.137	62.5	57.2										73	30	18.22			
3.81	17 2							18.11	213						73	30	16.61	838	Sirius.	
100	83	5 29.38	30.110	63.0	56.0		7	24.56	811						139	16	50.69	365	a Persei.	
		5 40.65						0.26									15.84	200	March 10 10 10 10 10 10 10 10 10 10 10 10 10	
19.00		7 36.48	1	1			13	0.46				100					19.81	506		
		1 39.92		63.0			1	6.78									43·45 59·87			
The same		12 35·28 19 52·57		63.0			3	27.84	10								44.68			
5.34		39 51.12	.110	00.0	00.4			19.50	B. I								46.13			
- 10	17 0		-110	63.0	56.4		100	10.10	6.3								17.30	838	Sirius	
5.10	17 2	6 3.40	100000	1	lane.			18.13	A.								18.28			
5.28		17 47.38	.090	62.5	55.3			7.92							100000	-	52.05		¿ Canis Maj.	
	1 4	48.72	.000	00 .	55.0		1		1			1			61		53·39 50·98	883	δ Canis Major	E
5.34	4 5	56 49·22 56 50·68	-086	62.5	99.0		1	5.01				-			61	0	52.44	915	η Canis Major	ľ
200	1 4	20 4.04		62.5	56.0			1 0								24	2.13	1070	a Pix. Naut.	ĺ
3.83		20 2.48					-	1.34			0.311					24	0.57	1070	a Pix. Naut,	
		29 44.12	1000 0000	64.5	70-0	63.8	3	13-51		2.00		16	13	. 50		50			0	
To be de		2 9.64		01.0	60.0			14.07		2.08		-			03	50	4·88 37·66	7000	O α Phœnicis	
4.36		15 9·76 15 10·27	30,188	04.0	02.0		-	9.33	-			1			100000000000000000000000000000000000000		37.15			
	-58	34 43.99	30-105	64.5	63.0		1	32.97	1		133	-			-2	32	20.21		z Oct. SP.	
		43 31.97		64.0					3.1		Build	1			1				a 2 Centauri S	S
	100000	5 44.66		64.0			7	19.07	1000		11-20				139				a Persei.	
	9	33 8.86	120-000	VICA A	11000 - 0	1.1									1 60.00	1477	15.21	1 494	Limb Eridani	

Coincidence of Micrometer Wire with fixed Wire, =20°.166 One revolution =40".335 Correction for Runs =-3".10

Adopted Zenith Point from Nov. 18th, at Noon =326°. 04'. 04".61

Assumed Co-latitude =56°. 03'. 56".75

Month	132 13	NAME OF STAR		M	icrosc	opes.			Micrometer		Conclu		Jo
and	No.	0.5	A	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.	readir of Circ		Initials of
Day.	A.S.C.	PLANET.	A	-			~				0.01		Enit
			, "	11	0	"		"	ř.	, ,	0 1	"	
23 Nov.	482	X Eridani	48 40 - 8	15.8	58 · 5	0.0	41.0	57 - 1			325 48 2	25.18	T.1
	506	(c)	35 94 (70.3	110.4	54.0	95.7	52.3			325 36 1		T.
	582	ζ Aurigæ	46 48 4								40 46 4	12.69	T.
	588	η Aurigæ	57 19 (40 57 1		T.1
	611	(a) Capella	44 48 1							Colored D	45 44 3		T.I
		σ Octantis SP	17 37 6							NAME OF BRIDE	269 17 2		T.1
	699	Ceres	16 69 0								21 17 1 325 50 2		T.1
	732	β Columbæ	10 39 1							1511018	324 10 2		T.1
24 Nov.	400				Maria I					THE REAL PROPERTY.			T.!
24 Nov.	482 506	X Eridani	48 39 0								325 48 2 325 36 2		T.I
B 90	582	ζ AurigæM	46 37 - 8							44.06	40 46 4		T.1
16	588	n Aurigæ	57 20 4	16.2	29.3	47.8	35.6	2.0	20 040	14-30	40 57 1		T.1
	611	Capella	44 54 0	44.0	60.6	19.5	61.7	36.0			45 44 4		T.I
		σ Octantis SP	17 36 .0	32.0	15.8	20.0	17.1	24.0			269 17 2	3.90	T.1
	2	Ceres	19 52 - 7							DEBERGE ST	21 19 5		T.1
4	699	a Columbæ	50 44.2								325 50 2		T.I
	734	a Orionis M.R.	46 44.9	43.1	16.8	46.8	22.1	40.8	20.397	-9.32	104 46 2		T.I
	734	a Orionis		40.2							7 21 4		T.1
and or	807	CanopusM.R.	44 34 0							-32.55	164 43 5 307 24 1		T.1
	838	Canopus M.R.	24 29·8 38 47·2							25.66		2.18	T. ?
	838	Sirius	30 17 - 6							-33 00		6.78	T.1
1 0	883	ô Canis Maj. M.R.	16 40 - 2	52.0	57.4	31.0	58.1	14.0	20.772	-24.44	138 16 1		T.1
1	883		51 65.5								333 51 5	2.25	T.1
27 Nov.	83	ν Andromedæ	8 48-6									2.57	T.N
	1223	Arg M.R.	27 33 2							-51.55	153 26 4		T.I
4	1223	Arg	41 39 1	13.6	49.4	0.5	39.3	1.2			318 41 2	3.99	T.I
28 Nov.	2741	Fomalhaut	30 79 0						3/8/01/05/05/05/05			5.39	T.N
	31	a Phonicis. M.R.		53.1						-31.90	155 19 1		T.I
1	31	a Phœnicis	48 68 · 9 52 39 · 4								316 48 5 48 52 3		T.M
	341	β Persei	16 37 - 3								40 16 3		T.D
-1		(b) a Persei	9 48-2									8.82	T.D
	433	ε Persei	29 17 - 8								39 29 1		T.D
II	482	X Eridani	48 38 - 9								325 48 2		T.N
1999	582	Z Aurigæ	46 48 4								40 46 4	3.90	
	588	η Aurigæ	57 19 4								40 57 1		T.M
	611	Capella	44 49 . 0								45 44 4		T.M
	699		30 47 1								The second second second	1.46	T.M
	797	a Columbae β Canis Maj. M.R.	50 43 - 5	18.0						-44.13	325 50 2	5.58	T.M
- Charle	797	β Canis Majoris	6 83.8							-44-13		4.38	T.N
29 Nov.	31	α Phœnicis M.R.	19 33 - 5	46.0	67-1	17.8	64.9	7.3	20.718	-21-90	155 19 1	6.66	T.N
	31	a Phœnis		44.8						21 00	316 48 5		T.N
	60	α Cassiopeæ	13 71 - 3								55 14		T.N
	83	ν Andromedæ	8 50 4	44.1	61.2	15.1	65.5	31.1			40 8 4		T.M
	161	γ Phœnicis M.R.	17 42 - 1						21.286	-44.81		0.70	T.N
	161	γ Phœnicis	50 86.0	63.1	91.8	49.0	74.0	50.0	V BOYER		315 51	9.16	T.M
													-

 ⁽a) A blotch. Images spread out to several times their usual dimensions.
 (b) Prismatic colours. Strong S. wind.

⁽c) Probably bisected by the Micrometer Wire. Engaged on Thursday, Friday, and Saturday, preparing for, and measuring a Base Line on the Parade, in Cape Town.

appa-	A	mam 4	Zonish		The	rmome	ter.				Microm. for	e.	mi-	Gene		P. D. of		
rent Zenith Point.	Appa	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parallax.	opposite Limb.		mi- neter.		Cent		No. ASC	NAME OF ST. or PLANET.
"	0	,	"	Inch.	0	0	0	-	"	1 11	r	,	"	0	,	"		PLANET.
	-0	15	39 43	30.077	64.0	60.5			0.26					55	48	17.06	482	X Eridani.
			45.30	.077	64.0	60.5		123	0.46	01111111				55	36	10.99	506	
			38.08	.072	64.0	60.8			25.80		1000			130		0.63	582	ζ Aurigæ.
			8.28				1/2 1	3	28.21					131		33.24	588	
			35.06			00.0		5	3.11					-	-	34.92	611	
1			39.51	.055	64.0	60.8	1	1	26.98							9.74		σ Octantis SP.
		13		30.048	64.0	01.0		1	22.00							23.31	200	Ceres.
			34.63						0.23							21.89	-	a Columbæ.
14/1	-1	53	39.71					16.	1.89					54	10	15.15	732	β Columbæ.
				29.890					0.26					100000		15.43		
				29.886	66.5	65.0			0.46							18.20		Eridani.
1000			40.99						22.81					130			30700	The second secon
			10.37	00.000	05.0	62.6	00.0		25.20					131		32.32	10000	
1				29.882 29.880					59.67					2000000	49	37·28 9·96		
				29.870						4.03				111		5.34		σ Octantis SP Ceres.
			35.61	29 070	00.0	04 0	01.0	1	0.22							20.92	699	
The same of				29.861	66.9	65:0	60.0							0.000		24.48	734	a Orionis
3.65			36.40	25 001	00 2	00 0	00.0	100	49.40					97		22.55		
	_18			29.858	66.0	67.0	62.0			2000		-				44.41	807	
			52.43	-	00.0		020		18.94			100		37	-	45.38	807	
manage !	17		2.37		66.0	65.8	2									16.77	838	
4.21	17	26	2.17						17.65	MARIN	The contract			73	30	16.57	838	
4.03	7	47	47.65	29.852	66.0	67.5	62.5			101110				63	51	52.07	883	¿ Canis Maj.
4.61	7	47	47.64					100		Walter I		1110		63	51	52.06	883	d Canis Majori
	74	4	37.63	30-133	67.0	60.3	9 9	3	17-93	a laine	le me			130	11	52.31	83	» Andromedæ.
5.59				30.189	66.0	59.0			7.46			11		48	41		1223	Argus
9.99	-7	22	40.95					1	7-40					48	41	8.34	1223	Argus.
100	3	27	0.45	30.228	67.8	64.4			3.44					59	31	0.64	2741	Fomalhaut.
3.40		15	8.77						9.35	30/00				46	48	38.63	31	a Phœnicis
3 40			11.86		66.5							135.				35.54	31	a Phœnicis.
			26.25	.221	66.5	60.6	56.0		6.30			189				29.30		Persei.
			27.73	-010	OF -	00 0	1		20.14			-				44.62	The state of the s	
	83		33.88	218	65.2	60.6			21.94							52.57	365	
			6.74	211	65.5	01.5		3	9.98		THE STATE OF					13.47	433	
			38.96	-180	65.5	60.0		2	25.40		and the second			130				Z Aurigæ.
1111			9.35	-189	65.5	62.0		1000	28.49		0.55					34.59		η Aurigae.
			36-27	-185	65.2	61.8	The same		3.79		100	100				36.81		Capella.
10.11			46.52	.180	65.0	61.5			22.98			1		111		2.17	011	Ceres.
144			36.97				10		0.23		100					19.55	699	a Columbae.
4.98	16	3	9.36	30.168	65.0	62.0			16.46					72		22.57	797	β Canis Maj.
4 98	16	3	9.44		1000000				10.40					72	7	22.65	797	β Canis Major
5.07				30.110	68.0	64.0			9.26							35.77	31	a Phœnicis
3-07			11.46	-	233113	(Second			9.20					46	48	36.03	31	
			57.63		67.4			1	1217									α Cassiopeæ.
	74	4	39.24	.111	67.0	63.2	61.0	3	16.73		1000					52.72		» Andromedæ.
4.93	-10	12	55.76	30.113	67.2	63.8			10.25					10000		50.74	3 7 7	γ Phœnicis
	-10	12	33.18				1							45	50	50.72	161	γ Phœnicis.

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.166$ Nov. 28^{th} , $=20^{\circ}.175$ One revolution $=40^{\theta}.335$ Correction for Runs $=-3^{\theta}.10$ Adopted Zenith Point to Nov. 25^{th} , at Noon, $=326^{\circ}.04'.04''.61$ From Nov. 25^{th} , $=326^{\circ}.04'.04''.94$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Month		NAME OF STAR	-		M	licroso	opes.			Micrometer	Correction			luded	of or.
and	No A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.			ling ircle.	Initials of Observer.
Day.		PLANET.	,	//	"	"	"	"	"	r. h. m. s.	, ,,	0	,	"	OF
3 Dec.	424	m ² Eridani . M.R.	31	53 - 5	56.8	66.9	41.0	64 - 1	26.2	21.493	-53 · 16	136	30	58.07	T.M.
o Dec.		(a) m 2 Eridani	36	83.0	59 . 1	106-4	41.0	96.2	39.4		00 10	335	37	11.12	T.M
	433	ε Persei	29	23.9	17.4	34.5	48.0	40.0	3.0					17.36	T.M
	883	¿ Canis Maj. M.R.								20.563	-15.65				T.M
	883	& Canis Majoris	1000						20.1	20.764	-23.76			50.23	T.M T.M
	961 961	ξ Argus M.R. ξ Argus							14.8	20-704	-23.70			45.98	T.M
4 Dec.		⊙ N.L	59	67.5	48.8	93-2	27.0	85.0	21.1			337	59	56.59	T.M
	336								41.0			1200		11.52	T.M
									48.0					56·19 27·72	T.M
	389 433	¿ PerseiM		38 - 1					17.8	20.510	-13.51				T.M T.M
	439	y Hydri	16						53.0	20 010	-10 01			50.68	T.M
	482	X Eridani	48	36.4	12.0	52.9	55.6	38.0	53.1	9 10 10				20.87	T.M
	506		36	38.4	14.9	56.4	58.0	40.5	56.8	311037-03	100000			24.17	T.M
		(c) Ceres	46	67.8	72.0	96.0	41.0	106-9	44.1		THE STREET	4 0000		11.08	T.M
	699	a Columba		41.0	18.5	58.8	00.0	43.5	58·3 10·9	21.078	-36 · 42			26.55	T.M T.M
	807 807	Canopus M.R. Canopus	99	86.0	63 - 3	83.4	54.6	68 - 7	55.5	21 076	-30 42	307		8.53	T.M
	838	Sirius M.R.							32.5		-44.25				T.M
	838	Sirius	29	74.0	56.0	99.3	34.0	93.9	32.8			343	30	4.82	T.M
	883	d Canis Maj. M.R.	16	56.4	64.8	73.6	45.2	72 - 7	26.9	21.070	-36.10				
	883	& Canis Majoris	51	63.4	40.0	85.3	321.0	74.2	19.7		+53.81			50.95	-
	961 961	ξ Argus M.R. ξ Argus,	32	60.1	37.5	82.5	27.8	73.8	03.1	18.841	+23.81			49.97	T.M T.M
7 Dec.		⊙S.LM	6	43.6	26.1	66.9	06.8	58.9	00.6	21.898	-1 09.50				T.M
		O N. L	37						19.1		3 = =0			49.89	The second second
	31	α Phœnicis M.R. α Phœnicis							35.0		-15.53	10000		52.05	100000
	103	ε Piscium							45.0			1000000		17.77	100000000000000000000000000000000000000
	100	D S.L	19						14.2			9		46.00	T.M
	189	o Piscium	19	37.9	37.0	70.	0 09 .8	75.7	07.6		1 19 S F F F	8		39.07	
	199	γ Arietis	28	42.3	349.8	75.	2 17 .:	87.5	17.5		.0.1/	18		47·86 56·01	
		Companion M Ceres			71.6	006.	5 20.1	104	40.7	19.973	+9.10	21		08.92	
	623			00.		30	000	104	1	21.605	-57.68			11-24	-
	673	a Leporis M.R.		47.4	41.	3 49	4 34.	38.8	3 25-4			130	04	43.28	T.M
	673	a Leporis	3	34.9	12.0	0 60 .	1 55 .:	3 51 - 5	2 54 . 0					24.61	
	699		50						59.2		-40.54	1000000		25.82	
	807	Canopus M.R.							3 14·0 57·1		-40.94	307			
	838	Olaine M D							17.3		-25.69				
	838								33.7			343	30	4.84	T.M
8 Dec.	31		19	39.	48.	272.	7 22 .	66.	13.3	20.811	-25.65			17:33	
	31								9 32 - 6			10000		52.35	10000000
	189			53.	161.	3 86	3 28	7 98 .	7 28 - 3		THE REAL PROPERTY.			58.99	
	199					000	1000			20.389	-8.35			50.64	
		D S.L	30	40.	051.	275.	0 18-	5 86 -	9 14-1		HO OF	1000		47.53	
	302								0 46 - 4					17.85	
	319	ε Arietis	40	06.	0.16.	0.40	1 43	0 50 -	9 44 - (1		20	40	13.31	I.M

 ⁽a) Observed at the Meridian and 5th Wires.
 (b) Very hot. Light S. wind. The image of α Persei a nebulous dancing blotch; green is the prevailing colour of the spectrum.

Capella allowed to Transit without bisection, as the observation might be 10". in error.

 Very strong wind: bad images.

Sec. of appa-	1300	ent Ze	mith		The	rmome					_ (5)		Micros		Q.	emi-		Geor	SI	P. D. of	1	NAME OF ST	2.4
rent Zenith Point.		stance.		Barom.	Attach.	Out.	Wet Bulb	Ref	fracti	on.	Par	allax.	for opposi Limb	ite		mete			ent		No.	or	
"		1 0		Inch.	o A	0	0	-,	"	,		"	r	-	,	,		0	,	//		PLANET.	
200	9 3	33 6	-87	29.996	71.2	68.6												65	37	13.07	424	m² Eridani	
4.60	9 3		18					3		10								65	37	12·38 15·36	424		
4.86	7 4	17 45	46	29.965	70.6	63.8		0		75				1				63	51	49.96	883	d Canis Maj.	
4 00	1 9	17 45		29.967	70.0	61.8		90												49 79 49.57	883 961	δ Canis Major ξ Argus	ris
3.80		28 41		29 907	10-2	01 0			9.	50										47.29		ξ Argus.	
				30.049					11.			1.77		1	16	15.	40			43.01		0	
	9 4	5 51	58	29·962 29·961	71.4	79.5	67.0	7	9.					1						12.70	336 365	a Persei.	
	15 5	55 22	78	29 958	71.8	75.0	01-0		15.	80										35.33	389	a r croci.	
361	73 2	5 13	53	29.945	72.0	74.0							16.5					129	32	14.05	433		
100	-40 4	17 14	26	29.945	72.0	74.0	66.6		47.				1							54.67	439		
		5 44		29.944	70.0	74.0	66.0			26 46				-						12.42	482 506	X Eridani.	
				29.914					20.			4-14								19.67	500	Ceres.	
	0.1	2 20.	.20	00.000	20.0	21.5			0.	22			Fig.							18-14			
5.69	-18 3	39 57·	90	29.908	71.5	73.9			18.	72										40.13			
	17 9			29.898	71.5	75.5	66.5													15.30			
4.28	17 2	25 59	88						17.	34								0.00	-	13.97	838	Sirius.	
5.36	7 4	17 45	18	29.885	71.2	77.0	66.6		7.	54								2.50	-	49.47	883		
	0 0	17 46		29.885	71.0	74.0	64.0			77.7										50·30 49·71	883 961		I'I:
5.60	9 2	28 45	03	25 000	11.2	74.0	04 0		9.	24										51.02	961		
	11	1 19	23	30.209	70.0	68 · 5	59.8		11.			1.64			16	15.	80			41-14		0	
100	-0 1	33 44 15 13		.152	68.8	61.0		1	11.	57		1 - 72					-	01	-	35.75		O α Phœnicis	
5.09		15 12		100	09.9	01.0	-		9.	33										34.53		a Phænicis.	
		56 12			68.0				49.									97		59.27		ε Piscium.	
		15 41			66.5							45.27			15	52.	36			38.86		Piscium.	
		24 42			66.2			1	52.	1000										54.08	I I I I I I I I I I I I I I I I I I I		
	52 9	24 51	.07	100	00 0	00 0		Ti	2100									108				Companion.	
1000		51 3		.113	67.2	60.0		1	-			4.10								20.84		Ceres.	
	55 5	59 21	.30	-100	67.0	00.0		1	24	22			1					72	-	27·27 34·82		Tauri. a Leporis	
3.95		59 19		100	01.0	00.0			16	41								72		32.83	673	a Leporis.	
	-0	13 39	12		1			1	0.	23									50	17-40	699	a Columbæ.	
5.59	-18	39 57	24	.083	66.5	60.0			19				1000						-	40.17		Canopus	
	-18	39 55	*344	30.080	66.5	60.0							No. of							41.47		Canopus. Sirius	
5.13	-17	25 59	.90	000	00 0	0		-	17	98										14.63	838	Sirius.	
4.84				30.017	68 · 3	62.0		-	9.	27				-				10000		34.90	-		
1		15 12 15 39		.010	67.2	61.6			51											35.08		Wh. 1	
		24 54			66.0			1	13									108				y Arietis.	
		24 45			1000	No.	1		13	83			Ph			4524		108	29	56.47		γ Arietis.	
		26 42			66.0	128 3		1				47.20		-	15	45.	60			44·34 19·33	200	D π Arietis.	
		42 13		30.000	66.0			1	19	48			10-11							25.27		π Arietis.	

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.175$ One revolution $=40^{\theta}.335$ Correction for Runs $=-3^{\theta}.10$ Adopted Zenith Point to Dec. 8th, at Noon, $=326^{\circ}.04'.04''.94$ From Dec. 8th, $=326^{\circ}.04'.04''.75$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Month		NAME OF STAR	1000	Mi	crosco	pes.			Micrometer		ection			luded	Jo.
and Day.	No. A.S.C.	OF.	A	В	c	D	E	F	or Time by Molyneux.		icrom.			ling ircle.	Initials of
Day.		PLANEI.	, ,		"				F. A. m. s.	,		0	,	"	
9 8 Dec.		Ceres	57 45 1	51.6	76.8	19.0	86.8	20.9				21	57	49.74	T.1
	623	Tauri M							25.408	-3 :	34.70	21	54	15.04	T.I
ь 9 Dec.	340	PerseiM	52 43.9							1113	+4.80	1 200	375		T.
	341	β Persei	16 37·6 50 11·0									1255		32·67 17·93	T.
	414	η Tauri	34 36 . 7	42.5	66.8	11.0	79.0	12.6				23	34	40.95	T.
	448	A 1 Tauri	36 49 1	55.4	81.4	22.6	92.5	24.0				21	36	53.97	T.1
D 11 Dec.	543	(a) 7 Tauri	36 66 7	73.8	95.4	39.4	108-9	41.0				22	37	10.64	T.
		Companion M							21.476	-4	52.92	1000		17.72	T.I
	585	(b) Tauri	19 55·7 11 58·0									122.00	90/	00·21 59·44	T.1
	699	a Columbæ	50 41.4						TO DO THE S					25.16	T.1
	722	C Tauri	32 28 4										-	29.71	T.I
	807 807	Canopus M.R. Canopus	44 43·5 24 25·0							-3		307		03.97	T.1
	838	SiriusM.R.	38 36 8						20.690	-5	21-22			5.78	T.1
	838	Sirius	30 12.0	51.9	36.0	33.0	29.6	31.8	40 000			343	30	2.72	T.1
	1885	Antares M.R.	12 48 4						21.101	-	37.79			8.27	T.I
	1885	Antares	55 74.8	49.1	98.2	32.8	84.9	32.0				333	90	2.30	T.1
12 Dec.		§ 's center	29 35.5						HAND IN			100000		21.46	T.I
	F00	(c) Q N.L	20 29.0									10000		18.20	T.I
	582	ζ Aurigæ	46 53·2 57 22·4						21.101	-5	37.70			48·63 19·65	T.1
	000	(h) Ceres	8 14-1	20.8	42.9	47.7	56.0	49.4	21 101					28.13	T.1
	687	l Aurigæ	21 37.6												T.1
160	699 734	a Columbæ a OrionisM.R.	50 41·1 46 34·5						20.102		2.50			24·90 25·77	T.1 T.1
	734	a Orionis	21 34.6						20 102		2 00			41.91	T.1
		D N.L	16 44.2						300000					45.45	T.I
	807 807	Canopus M.R. Canopus	44 28·6 24 24·0						20.690	-2	21.22				T.1
	831	ε Geminorum	15 38-1												T.I
	870	ω¹ Geminorum	29 57 1	62.2	87.0	31.8	96.6	34.8					-	01.07	T.I
	1885 1885	Antares M . R. Antares	12 52·4 55 74·2						21.230	-4	13.00	138 333		7.18	T.1
	1000	Antares	00 74 2	40.0	99.1	01.9	04.2	30.3				300	00	1 12	1
§ 13 Dec.		⊙ N. L	5 50.3	27.1	67.4	13.4	56.7	11.3						37-64	
		(d) § 's center M.R. § 's center	40 51·5 27 31·0	49.3	59.8	36.0	51.0	26.2	19.990	+				52·08 17·47	
	2741	Fomalhaut	30 18.0	52.0	93.8	40.8	78.6	41.5						4.01	
7.7															
4 14 Dec.	340 1885	Persei M Antares M.R.	52 41·8 12 51·6						20·275 21·138		4 · 48			28·64 8·26	T.M
	1885	Andread Francisco	55 75.0						21 100			333		0.75	
. 150									10 000		10.00	100	10		700
♀ 15 Dec.		(e) S's centerM.R.	40 27·1 27 49·8	26.0	35.9	13.2	27.8	10.4	19.850	+1					T.1
	1 - 11	a'- MD	47 43.2	41.0	40.8	33.5	35.8	23.9	18.742	+5					T.7
		g's center	19 50 . 4	24.2	69.9	09.8	68.5	10.1				340	19	38-17	T.1
	31	a Phoenicis M.R.	19 50.0						20.950	-3					T.M
	31	a Phœnicis	48 70.3	42.1	19.8	34.9	09.0	31.3			1	010	40	02 01	T.N

⁽a) Bisected by moonlight. Fine observing night. S. wind, and a cloud bank in the South horizon.
(b) One half the Correction for Runs applied.
(c) Very unsteady.
(d) Correction for Motion, 0".04 A faint blotch; cirri.

 ⁽e) Correction for Motion in Declination, 0".05
 (f) Correction for Motion in Declination, 0".28
 (g) Accidentally bisected on the Micrometer Wire.
 (h) There is a probable error of 10". from reading off Microscope D, 1'. too great?

CALCULATION OF GEOCENTRIC SOUTH POLAR DISTANCES.

Sec. of appa-			of Womitt		Th	ermom	eter.					Microm.		Som		Geo	. 8	P. D. o		NAME OF	
rent Zenith Point.	App	Dist	ance.	Barom.	Attach.	Out.	Wet Bulb.	Refi	action	Pa	rallax.	for opposite Limb.	di	ame	ter.	Geo	Cen		No.	NAME OF S	
"	0	,	"	Inch.	0	0	0	,	"	,	"	r	,		"	0	,	"		PLANET	
31/11			44·99 10·29	29.976	66.0	60.8			23·90 23·72		4.17							1·47 30·76	623	Ceres. Tauri.	100
400	82	48	34.25	29.950	66.0	60.7			2.46									33.46	340		
	74	12	27.92	29.950	66.0	60.7			18.31									42.98	341		
	54	46	13.18	29·952 29·952	66.0	60.4	57.0		29 - 26		42.94					113		25.31	47.4	D Town:	
	55	32	49.22	29.952	65.2	59.8			22.93							111		8.90	414	η Tauri. A ¹ Tauri.	
		33		30.295	65.0	57 • 4			27.49									30.13	543	τ Tauri.	
			12.97	20.5	0.0				27.46				100					37.18	1	Companion.	
	62		55·46 54·69		64.0				23.42		40.08		15	20		117		15.63 39.71	585	Tauri.	
100			39.59	291	03.0	0, 2	04.0		0.23		40.00		10	20	0,2			16.93	600	a Columba.	
			24.96	.282	63.5	57.8		1 4	16.07									7.78	722		
5.66	-18	39	59.22	.249	63.5	57.0		1	9.56	0-1-		544	8			37		37.97	807	Canopus	
000			57.40	210	00 -	-0		1							-	37		39.79	807		
4.25			58·97 57·97	1248	63.5	30.1		1	8.20			9300				73		13·92 12·92	838 838		
THE REAL PROPERTY.				30.187	66.2	71.0											56	1.00	1885	Antares	
5.30	7	51	57.58						7.77							63	56	2.10	1885	Antares.	
				30.152					8.31		0.89							20.88		ğ	
			13·45 43·88		67·6 65·5				3.30		2.56	20.712		11.		69 130		9·89 5·58		\$	
			14.90		65.5				7.42		135					131		39.07	588	ζ Aurigæ. η Aurigæ.	
	56		23.38		65.0		56.2		4.47		4.18					112		40.42	000	Ceres.	
			33.26		65.0			1 5	7.55						3			27.56	687		
			39.85	.000	0				0.53		100							16.67	699		
3.84			38·98 37·16	.026	65.0	04.0		4	9.77									25·50 23·68	734	a Orionis a Orionis.	
			40.70	.020	65.0	64.0		1.5	1.78	49	40.58		15	12	00			36.65	734	D D	
5.11			59.24		65.0				183818					7.7				38.26	807	Canopus	
9.11	-18	39	58.52						9.25									38.98	807	Canopus.	
				30.000					5.52		200					115		9.73	831		
	28	25	57.57	29·990 29·895	67.0	86.0	70.0		3.18							63		26.25		ω¹ Geminorun Antares	n
4.45			56.97		0,		.00		7.49							63		1.21	1885	Antares.	
111	11			29.880	67.0	87.4	71.8	1	0.53		1.64		16	16	50	-		22.03		0	
4.78			12.67	29.864	67.5	00.0			7.95		0.89							16.48		ă	
		-		29.804	The second second				3.29									16·53 59·30	2741	Fomalhaut.	
		-					52.0														
20125				$30 \cdot 222 \\ 30 \cdot 285$					7.84							63	56	1.10	1885	Persei. Antares	
4.51			56.00	200	0, 0	0,00	0 0		7.86											Antares.	
4.83	8	23	30.78	30.260	67.3	67.6			8 - 37		0.91							34.99		ğ	
4 00			30.94		-	20			7750		A STORY	No.						35.15		ğ	
5.31)			32.31	30.203	67.0	66.4		1	4.43		2.84							40.65		9	
				30.172	67 . 0	61.2									1			34.69	31	a Phœnicis	
4.93			12.38		. 0		1		9.33									35.04	31	a Phœnicis.	

Coincidence of Micrometer Wire with fixed Wire, Dec. 9th, =20°,164 Correction for Runs =-3".10 From Dec. 14th, =-2".35 Adopted Zenith Point, =326°, 04'. 04".75 Assumed Co-latitude =56°. 03', 56".75

370		NAME OF STAR			y	licrose	opes.			Micrometer	Correction	Cor	cluded	P.
Month and Day.	No. A.S.C.	NAME OF STAR or PLANET.		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		ading Circle.	Initials of Observer.
Day.		T ALL TO SE	,	"	11	В			"	7. h. m. s.	1 11	0		
16 Dec.		The state of the s				66.5					-53.77		5 41 . 55	T.M
		⊙ S. L ö's center				101.4							3 12.34 9 59·75	T.M
	1 1 1	(a) 9's centerM.R.				751.8					+1 04.21			T.M
	1118	* D. L	39	77-3	53.	197.9	37.9	88 - 1	38.0			340 4		T.N
	2741 2741	FomalhautM.R. Fomalhaut	100			1 49 . 0			7 3 9		-28.07	142 3 329 3		T.N T.N
17 Dec.		⊙ S. L				67.1					a Great		0 48.30	
19 Dec.	133	(b) 9 N.L	44	54.5	34.0	0 65 - 5	27.1	56.9	26.6		-0.36	341 4	4 43 - 40	T.N
	2741	Fomalhaut M.R.				2 37 - (100000000000000000000000000000000000000			T.N
	1533	SpicaM.R.				2 04.1					+47.23		7 12.90	
	1533	Spica	40	63.	50.	8 76 - 8	41.5	74.5	38.0			349 4	0 57.58	The second second
20 Dec.	883	¿ Canis Maj. M.R.	16	38-1	39.	6 34 - 9	40.5	29.0	28.3	20.419	-10.28	138 1	6 23 94	T.N T.N
NO Dec.	883	& Canis Majoris				1 66-1					-10 20		1 45.62	
	928	σ Argus M.R.				9 53 . (-40.46		6 14.69	
	928	σ Argus				9 68 . 7							1 54.48	
	1070	B Octantis SP				380.0							4 46·58 4 01·02	1000000
	1092	Ursæ Majoris	100.00			8 59 - 8							3 37 17	1000000
	1223	Argusin Vel. M.R.	27			4 54 - 8					-42.59		6 52 - 54	T.N
	1223	Argus in Velis				0 34 - 3							1 17.57	
	1281 1281	(c) η Argus M.R. η Argus,				3 75 • 0					+5 28.08		7 18·92 0 54·11	
21 Dec.		(d) ⊙S.LM				3 48 -					-1 27 - 37			
		⊙ N. L				2 50 .							8 32 - 32	
	2741	Fomalhaut				0 55.					-37 · 07	329 3		1000000
	31	a Phonicis. M.R.				1 37					-17:30		9 18.31	
	31	a Phœnicis	100			0 62							8 51.63	
		(e) D S. L				1 59 .						1	2 53.76	
	1596					8 40					+9.20	The second second	2 32·77 5 37·81	10000
	1596					0 44 · · · 5 29 · ·					-41.74			
	1885					073						333 5		146.66
22 Dec.	0	⊙ N. L M	48	3 42.	4 30 -	9 46.	031.	1 40.	123.	20.230	-2.50	336 4	8 33.00	T.1
	1 8	0 S.L				171.						336 1	6 1.13	T.N
		8 's center				455.					0.0		6 43.13	
	2741	(f) Fomalhaut. M.R.	37			279					-34.30	329 3		
	2741	(f) Fomalhaut z Octantis SP	90			8 39	-				THE PERSON		9 17.61	
	340				-	075	-				-13.79	9 48 8	52 40.40	T.1
	341	β Persei	1.	5 79	0 123	2 120	8 64.	9 149	4 54	0		100000	6 38:42	
	365				0000	8 68	7 7 7 7	2000		51	A Committee of the Comm	1000000	9 47 29	100000
	433				1000	8 98 .		70 70 70 70 70				100000000000000000000000000000000000000	29 16·53 18 17·08	
	506					235					-	100000000000000000000000000000000000000	36 20.56	100000
		Ceres	100	-	10 10 01	4 97		-		73.8		22 :	33 25.03	T.1
	611					8 68					1		14 43 23	
	1	σ Octantis SP	1	7 28	0 25	5 42.	343.	4 44 .	0 45.	0	The state of the s	209	17 17 85	T.1

⁽a) Correction for Motion in Declination, 0".69 No Correction for Runs required for the direct observation, the Microscopes were counted from Zero, though entered as above.

⁽b) Observed at the 5th Wire. Correction for Motion in Declination, -0'.73 For Curvature of Path, +0".37

⁽c) This Star is increasing in magnitude to which my attention has been called by Sir J. HERSCHEL. It is equal to Rigel or a Centauri.

(d) The limbs fringed and undefined.

(e) Spica invisible from clouds.

(f) Observed at the 2nd and 4th Wires.

Sec. of appa-		Ten	t Zenith	Last Bar	The	rmom	eter.			Microm.	Q	emi-	Geoc. S.	P.D. of		NAME OF CO.
rent Zenith Point.			ince.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	dia	meter.	Cent	er.	No. ASC	NAME OF STA
"	0	,	"	Inch.	0	0	0	, ,	1 11	r	,	"	0 /	"		PLANEL.
belon.	10	51		29.941	68.5	87.0	70.6				16	16.70	66 39			0
		19	7.59					9.86			10	10 70	00 39			0
	1000	-		29.936				8.00					64 29			ğ
		36	0.22	29.900	70.5	99.0	13.0	14.07	2.93	19-490		13.59	70 40 70 40			9
		27		29.902	71.4	83.0				13 430		10 03	59 31		2741	Fomalhaut
5.01		27	2.26					3.29		9918			59 31	2.30		Fomalhaut.
1	10	16	43.27	29.958	69.0	70.5	63.5	10.13	1.53		16	16.80	66 37	5:42		0
				30.242	67.2	65.0	59.0	16.00	3.25	20.670		10.21	71 44	37.66		2
100			59.46					3.44					59 30			
5.24				30.327	65.0	61.0		25.19		ME TO	1		79 41			
	23	36	52.55					-0.0					79 41	14.49		Spica.
4.78				30.071	64.8	59.5		7.85		a de la	1		63 51	45.69	883	d Canis Maj.
4 10			40.59		0- 0			, 00			1				883	è Canis Majori
4.59	-9	2	9.66	.061	65.0	59.4		9.11						37·98 37·09		σArgus
	-3	90	18.45	.056	64.9	50.4		1 26-27					47 1		928	σ Argus. B Octantis SP
11.16			55.99	.044				1.33					57 23		1070	
			32.14	.038						1911			138 40			
5.06			47.51	.023	64.3	59.5		7.41	001188		1		48 41	1.83		Argus in Velis
3.00	-1		47.46					, 41	3-01 A-6	The last			48 41	1.88		
6.52	-24 -24	53	10.92	30.026	64.3	59.2		26.55			100			16·31 19·28		
	10	11	59.33	30.003	67.2	71.2	64.8	10.06	1.52		16	17.00	66 32	21.62		•
			27.29					10.60	1.60		10	17.00	00 02			0
5.29		27		29.954	68.0	68.2	63.5	3.38					59 31	1.41		
	0	27	13.28	29.968	67 - 5	65.0	60.0			E TO			59 31 46 48	1.93	31	a Phœnicis
4.97	-9	15	13.40	29 900	0, 0	05-0	02.2	9.20					46 48			a Phœnicis.
	24	38	48.73	30-104	66.0	65.3	61.8	0 26.02	23 0.82		15	9.16	B. COLOR			D
5.29	-25	38	27.74	.108					The second	15 30	188		30 25	1.83	1596	β Centauri
0 20	-20		27.22	00 10-	OF C	-		1 - 20000000		100	-		30 25			β Centauri.
4.77			56.58	30 · 125	07.0	70.8	64.0	7.76					63 56 63 56	0.56	1885	Antares Antares.
	10	44	27.97	30 · 130	67.2	71.4	64.8	10.64	1.60		10	15.10	66 32			0
	10	11	56.10	1000	3	1	1	10.10	1.52		10	17.10	00 02			0
			38.10			70.0		9.09	1.08	No.	13		65 16	42.86	00.41	¥ F11
4.05		27	2.76	.112	08.0	67.0	63.6	3.41	A BUILDY	17339			59 31 59 31		2741	Fomalhaut Fomalhaut.
1	0	27	0·80 47·42	.194	66.9	61.0		1 33 - 37		HE STATE			-2 32		2/41	z Octantis SP.
				30 - 127		100		7 4.76					138 59		340	Persei.
			33.39		San I			3 19.39		1			130 19	49.53	341	β Persei.
	83	5	42.26			61.0		7 20.33		1			139 16			a Persei.
			11.50		65.5	61.0	57.8			1	1		129 32			ε Persei.
			47.95				100	0.26		100			55 48			WW
			44.47	-114	65.0	60.3	10	1 26.28					55 36 112 34		506	Ceres.
	1000000		38.20		00 2	00.3	1	5 3.91					135 49		611	
				30.107	65.0	60.0		1 27 - 21						17.64	1000000	σ Octantis SP.

Coincidence of Micrometer Wire with fixed Wire, =20°.164 Dec. 21st, =20°.168 One revolution =40".335. Correction for Runs =-2".35

Adopted Zenith Point to Dec. 17th, at Noon,=326°. 04'. 04".75 From Dec. 17th, =326°. 04'.05".03

Assumed Co-latitude =56°. 03'. 56".75

Month		NAME OF STAR			M	icrosc	opes.	1		Micrometer	Correction		cluded	Jo
and	No. A.S.C.	or	1		В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.		ading Circle.	Initials of
Day.		PLANET.	-	11	"	"		"	11	r. h. m. s,	, ,	0	, ,	190
22 Dec.	673	α Leporis M.R.	14	15.9	49.6	17.9	70.0	14.2	57 - 5	20.016	+6.13	130 0	4 47 48	T.M
¥ 22 Dec.	673	a Leporis					17.2				+0 10		3 21 48	T.M
	699	a Columbæ					14.4					325 5	0 22.24	T.N
The same	732	β Columbæ					08.0				STORY OF THE PARTY OF		0 16.13	T.M
	746	γ Columbæ	42 (9.0	56.2	12.5	50.2	01.2	43.5				1 58.61	T.M
	787 807	Concerns M. P.	55 3	0.0	10.0	30.0	16.2	26.0	00.0	20.932			4 51.92	T.M T.M
	807	Canopus M.R. Canopus	03 7	0.8	67 - 5	75.9	53.9	68 - 3	44.7	20.580	1000		4 07.82	1 may 1 mg 1
	838	Sirius M.R.					56.5			20.660			8 9.53	T.M
	838	Sirius					56.0			20 000	-10 04		9 59.63	
23 Dec.	365	a Persei					18.0						9 51 - 14	T.M
	ceo	Ceres		1000			36.2			20 000	10.00		5 55.63	T.M
	673 673	a Leporis MR.					64.0			19.870	+12.02		$447 \cdot 35$ $321 \cdot 25$	T.M
100	699	a Columba		100			13.8						0 22 43	Contract Contract
100000	732	β Columba					07.2						0 16.54	T.M
	746	y Columbae					50.8						1 59.86	- Total 100
	807	Canopus M.R.					19.0			20.436	-10.81	164 4	4 08.01	T.M
	807	Canopus					53.2						4 02.55	
	838	SiriusM.R.					54.0			20.625				
	838	Sirius	100000				56.8	1		00-010			9 59.87	T.M
	883 883	ð Canis Maj. M.R. ð Canis Majoris					61.0				-5.73		625.76 144.39	
	000	B OctantisSP.					08.5						4 43.27	T.M
24 Dec.		⊙ N. L M	50 4	9.8	35.0	49.0	40.0	41.0	33.3	21.350	-47.68	336 4	9 53 - 77	T.M
		⊙ S.L					19.4						7 20.33	T.M
		(a) \$'s centerM.R. \$'s center					73.0				-50.74		3 35.54	
	2741						30.6				22.20		4 32 72	T.M T.M
	2741	Fomalhaut M.R. Fomalhaut					63.5					142 3 329 3		T.M
	2/41	Ceres					62.0						8 20-21	T.M
		(b) σ Oct. SP M.R.	1			100000	43.9	PAR CO	5000000	55 01 02	+0.68		0 47.43	
		σ Octantis SP	10000		EAR B	100000	41.6	1930.00	930	20.995	-00 00)		7 15.81	T.M
		σ Oct. SP M.R.					14.2						0 51.14	CHE 19 10
		σ Octantis SP					45.0						7 17.03	T.M
	699	α Columbæ					14.1				70.00		0 21.71	T.M
\$ 26 Dec.	1	⊙ S. LM	The same of				56.9				-1 21.80		0 38-23	T.M
		⊙ N.L	10000			17000	06.1					336 5		
		(c) §'s center					33.2						8 12·78 6 34·56	
	2741	FomalhautM.R.	1000				63.2			20.960	The second second			
	2741	Fomalhaut					60.0			20 300		329 3		
	365	a Persei					09.5						9 42 19	T.M
	9200	Ceres	42 4	15.8	88 - 1	79.8	50.5	108.6	34.5	31:00	THE PARTY OF THE P		3 07.64	1000
		σ Octantis SP R.	50 7	1-1	25.9	79.6	13.7	68.2	41.5	5 02 20			0 51.07	
		σ Octantis SP					40.4						7 15.53	
	-	σ Octantis SP R.					16.1						0 52·87 7 15·47	100000000000000000000000000000000000000
	699	(d) σ Octantis SP α Columbæ	50 6	0.10	16.4	24.0	12.3	43.2	05.1	5 17 50			0 19.84	
	732		58	11.8	38.4	17.0	54.0	14.0	41.6	21.147	100000000000000000000000000000000000000		7 53.09	

Grimaldi slow, Dec. 24th, at 5h, S.T. -35s. Dec. 26th, at 5h, 26m. fast 2m. 16s., and at 8h. 15m. fast 3m. 2s.

(d) Comparisons of Hardy and Grimaldi.

H. 5^b, 26^m, 0^s, =5^b, 27^m, 31^s. Hardy fast, 46^s.4

H. 8^b, 15^m, 43^s, =8^b, 18^m, 0^s.

Grim, gains on Hardy 0^s,271 per minute, and the approximate Sid. Times of observation by Grim, are 5^b, 0^m, 10^s, -5^b, 5^m, 20^s, -5^b, 10^m, 22^s, and 5^b, 15^m, 36^s.

⁽a) Correction for Motion, 6".53. There appears a discrepancy in the

 ⁽a) Correction for Motion, 0.53. There appears a discrepancy in the observation.
 (b) The times noted are from the Journeyman Clock Grimaldi, and 5^h. 32^m. 22^s. of the Transit Clock Hardy, corresponds to 5^h. 31^m. 00^s. of Grimaldi.
 (c) Observed at the 4th Wire. Cor. for Motion, -0'.32, for Curv. +0'.14

Sec. of appa-		rent	Zonith	Barom.	128	rmome					Microm.		Semi-		Geo	. 9	P. D. of		N. M.
rent Zenith Point.	L	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Rei	raction.	Parallax.	opposite Limb.	d	iamet	er.			ter.	No.	NAME OF STA
	0	,	0	Inch.	0	0	0	,	"	' "	r	,			0	,	//		PLANEI.
4.63	15	59 13	17·25 16·45 42·79 48·90	30 · 100					16·42 0·23 1·90						54	3 50 10	30·42 29·62 13·73 5·95	673 699 732	a Columbæ. β Columbæ.
	-1 -1	0	6·42 13·11		65.0				1.37						54	54	48·96 42·49	746 787	γ Columbæ. κ Columbæ.
5.63			2.79		65.0				19.34						37	23	34.62	807	Canopus.
4.58			54.60	30.076	65.0	99.8			17.98							30	9.33		Sirius Sirius.
			46·11 50·00	29.934	67 · 2	63 · 2			15·54 25·44	4.15					139	16	58·40 8·04	365	a Persei. Ceres.
4.30	15	59		29.927	66.8	63.0			16.23						72 72	3	30.66	673 673	a Leporis
	-0	13	42·60 48·49						0·23 1·88						55	50	13.92	699	a Columbæ. β Columbæ.
5.28	-1	99	5.17						1.35						54	41	50·23 34·64	746	7 Columbæ, Canopus
1565	- 4 0	XU.	2.48	29 · 904	67 - 0.0	62.7			19.13						37	23	35·14 11·02	807	Canopus.
4.21	17 9	25	54.84	29.895					17.78						73	30		838	Sirius Sirius. de Canis Maj.
5.08	7	47	39.36	29.886				1	7·75 25·19						63	51	43·86 50·20	883	à Canis Majoris B Octantis SP
				29-929	58-2	72.8	67.0		10.48	1.60		16	17.	10			38.02		0
4.13)	9 4	10 5		29 - 930	58.5	73.0			9.47	1 · 52					65	44	38.40	100	ō Š
4.55	3 5	27		29.968	59.0	39.6			3.38						59	31	33.50	2741	Fomalhaut
		34		30.050	57.0	58-8		1	26 · 59	4.15						39	2·16 35·12	2741	Fomalhaut. Ceres.
1.62)	-56 4	16	43.15	30 · 047	25.01			1	27.28					1			13.68		σ Octantis SP.
4.00	-56 4	16	46·86 47·25	30.047	35-0	10.4		1	27 · 36								17·47 17·86		σ Octantis SP. σ Octantis SP. σ Octantis SP
			42.57						0.23								13.95	699	a Columbæ.
			33·95 4·41	30.300	37.07	71.26	33.0		10·23 10·79	1·53 1·61		16	17.	20			56·60 53·14		0
	10	14	8.50	·286 (90000000		10·20 18·77	1.27	20.818		13.	13	66	18	14·18 28·57		Š Š
5.28	3 9	27	0.56	.269					3.41				***		59 59	31	0·72 2·71		Fomalhaut I
		5 :	37·91 3·36	·285 6 ·276 6	35 · 0 5	58 - 8 5	55.6	7	24·58 27·67	4.13					139	16	59·24 23·65		α Persei, Ceres,
3.30	-56 4 -56 4	16	46.79	30.276	33.6	58.0	55.8		28-10	1.0	SEL 1			-	-0	44	18·14 20·10		σ Octantis SP. I σ Octantis SP.
4.17	-56 4	16	48.59					1 :	28 · 10						-0	44	19·94 20·16		σ Octantis SP. σ Octantis SP.
	-0	13	44.44						0.23							50	12.08	699	a Columbæ. β Columbæ I
4.61			48-16		1				1.92					1	54		6.67		β Columbæ.

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}$. 168 Dec. $26^{\circ h}$ $=20^{\circ}$. 167 One revolution, =43.''335 Correction for Runs =-2''.35 Adopted Zenith Point to Dec. $24^{\circ h}$, at Noon, $=326^{\circ}$. 04'. 05''.03 From Dec. $24^{\circ h}$, =326, 04'. 04''.28 Assumed Co-latitude $=56^{\circ}$. 03'. 56''. 75

Month		NAME OF STAR	_			icrosc	opes.			Micrometer	Correction		ncluded	Initials of
and	No. A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		Circle.	tials
Day.	A.S.C.	PLANET.	-		-					r.				国名
			-	"		"	"	"	"	h. m. s.	' "	0	1 11	-
26 Dec.	807	CanopusM.R	44	41.6	29.9	39.0	35.0	26.7	41.0	20.800	-25.33		4 09-28	
	807			68.0									4 01.46	
	838			41.0							-26.22			100000
	838			64.6							30.04		9 55.80	10000
	883 883	δ Canis Maj. M.R. δ Canis Majoris		51.6							-13.84		6 26.85	
	000			34.2							+12.68		33 25 08	
				61.0									34 43 44	
	LAST			36.8									33 24 86	
		D.										BEGGG AND A	34 43.52	10000
		R.											33 23.88	
		(a) D.											34 44.22	
		R.											33 23·19 34 43·84	
				37.9		-	The second second	100000000	100				33 23 64	
		D.											34 42 - 49	1000
	1885	Antares M.R.	12	55.8	72.1	40-5	86.0	40.2	65.8	21.422				
	1885	Antares	55	72.0	51.0	74.8	54.0	63.3	51.0			333 5	56 1.48	T.
27 Dec.		(b) O N.L M	56	38-4	26.1	43.0	26.2	37.3	18.5	21.661	-1 00.26	336	55 31 - 36	T.
		. O.D.L		65.8									22 57 - 78	
		(c) § 's centerM.R.		39.0							+20.77			
		Q s center	1000	76.3	DOC. 7 G						1000000	336 3		10000
	2741	Ş S. L		29.3									50 21·77 31 06·13	
	31	a Phœnicis. M.R.		41.2							-1 17 - 16			
	31	a Phœnicis		63.0									48 51.91	
28 Dec.		(e) Ceres	37	45.3	78 - 1	72.7	37.0	42.3	20.5			22 3	37 49 09	T.
	619	Rigel M.R.	1000	51.8			2000		-		-13.51	120	32 3.51	
	619	Rigel	35	67.8	59.5	67.2	62 . 3	68.2	59.8			351 3	36 4.22	T.
29 Dec.		(d) ⊙ S.LM	30	58.8	47.0	60.0	49.4	154.2	43.0	22.828	-1 47.53	336	29 4.66	T.
	1	⊙ N.L	1					35.8				The second second	01 34.68	1000
	220	γ Andromedæ	29	26.0	68.8	61.4	14.8	89.0	04.2				29 43 66	
		Companion M	00		00.0			::::	::::	20.044			$\frac{29}{29} \frac{47 \cdot 70}{16 \cdot 14}$	
	282	z Octantis SP θ Persei		40.1						14 14 30	1-0,		25 58 19	1000
	329	y Persei M									+36.9		39 39 48	
	353	Eridani M.R.											45 55 66	
	353	Eridani		22.1								330	22 13.56	3 T.
	365	a Persei		32.4									09 47.51	100
	424	m º Eridani . M.R.		41.0							-36.20			
	424	m ^e Eridani		12.7								335	37 6.80 48 14.86	
	582	ζ Aurigœ		3 24.4							Mark Control		46 47.11	
	588	η Aurigæ		59.							HHA	1 000	57 18 - 79	100
	611	Capella	44	1 31.	0 71 - 9	9 70.4	4 16 -	0.93 - 6	07-	2	15000	45	44 47 97	7 T.
	1 360	σ Octantis SP	17	7 24.	1 23.	4 37 - (6 40 .	639.8	42.	3	100000	269	17 14 46	5 T.
	673		4	1 33.1	6 39 .	4 06.0	0 58 -	9 02 - 8	3 45-1	5 19.710	-18-2		04 48 53	
	673			3 26.									03 20 34	
	699			29.									50 19·89 41 57·08	
	787		5!				401	4.00			-45.0			5 55

⁽a) The Apparent R. of B Octantis is 19^b, 45^m, 15^s. The times of observation are by Grimaldi, 8^b, 18^m, 0^s, of which cor-respond to 8^b, 15^m, 43^s, of Hardy, the latter being 45^s, fast on Sid, Time. Grimaldi's gaining rate on Hardy=2^s,71 in ten minutes. An excellent observing night. No wind.

 ⁽b) Observed at the 2nd and 5th Wires.
 (c) Correction for Motion, 0".67
 (d) Limbs undulating.
 (e) This place of Ceres differs 10', from that in the Ephemeris.

Sec. of appa-	Annares	nt Zenith		The	rmome	ter.	2000	1		- 1	Microm.		emi-		Jeen	SI	P. D. of		NAME OF CO.
rent Cenith Point.		ance.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Paralla	х.	opposite Limb.		meter			Cent		No. ASC	NAME OF STA
"	0 /	"	Inch.	0	0	0	,	"	, ,,		r	,	"		0	,	"		TLANEI.
5.37	-18 40		30.269	64-6	58.0			19.54			17						32.21	807	
2.90		54.29	.265	65.0	57.8			18.16							73	30	34·39 9·20	807	Canopus. Sirius
4.96	7 47	51·52 37·43	•260	65.0	57.9			7.92								51	6·43 42·10	838 883	Sirius. de Canis Maj.
4.26	-56 29	38·79 20·80	.258	65.0	58 • 0		1	27.07							-0	26	43·46 51·12	883	δ Canis Majoris β Octantis SP.
	-56 29	20.84						27.07							-0	26	51·16 50·90		
	-56 29	20·76 19·60						27.07							-0	26	51·08 49·92		
0. 50	-56 29	20·06 18·91						27.07							-0	26	50·38 49·23		
	-5629	20.44					,	27.07							-0	26	50·76 49·68		
5.08	7 51	21·79 55·61	·213	63·5 67·5	58·8 73·8	57.0		7.72							63	56		1885	
3 00	, 31	57.20													63			1885	
	10 18	53.50	30.122					10.69		62 53		16	17.	20	66	39	15·70 16·06		0
4.15)	10 00	1.29	•094	69.0	74.4			10.38	97.1	34					66 66	37	7·34 7·08		A A
	3 27		.042	69.5	71.0			18·93 3·38		23	19.465		14.	16	74 59		43·10 1·98	2741	Fomalhaut.
5.76	-9 15 -9 15	15·32 12·37	30.040	69.0	68.0			9.17									32·26 35·21	31 31	a Phœnicis a Phœnicis.
	56 33	44.81	29.978	67.0	64.0		1	25.50	4.	11					112		2.95	010	Ceres.
3.87	25 32 25 31	0·77 59·94						27.04									24·56 23·73	10000	20.0
	10 25		30.085	69.4	74.3	66-2		10.24	100	55		16	17.	30			23.12		0
	75 25	30·40 39·38	-093	69.0	64.4		3	10·79 34·61		63					131	33	19·01 10·74	220	
	75 25 58 3	43·42 48·14	.006	69.0	64.0	61.0		34.62				10					14·79 24·12		Companion.
	82 21	53.91	.106	68.3				40.06									30.72	1000	θ Persei.
	86 38	35.17		68.2							100	1		3	60	00	9.65	329	
4.61		8 · 62 8 · 9 · 28	108	68.2	04.0	02.1	1	4.28				1			60	22	10.31	353	
	83 4	5 43.23	.108	68 . 2				17.26	-			1			139	16	57.24	365	a Persei.
5.05	9 33	3 0·99 3 2·52		68.2	64.0	62.2	2	9.56				1				37		1	
		5 49.42		68 - 2	64.0		-	0.26				-				48			X Eridani.
	74 45	2 42.83	134	68 - 2				24.79				-			130			582	
		3 14.51		00.0	01.0	01.		27.61				1			131		38.87		
		0 43·69 6 49·82		68.2	04.2	01.6		26.60			The same	1					19.67	011	σ Octantis SP.
4.44	15 50	9 15.75					1								72	3	28.80	0.00000000	a Leporis
4.44	15 5	9 16.06			1			16.30				1			72		29.11	673	
		3 44.39		1				0.23				1			1000	-	12.13	200.00	
		2 7·23 9 16·22		150	133	1		1.15									39.38	1000000	

Coincidence of Micrometer Wire with fixed Wire, = 20° .167 Dec. 29° h, = 20° .162 One revolution =40''.335 Correction for Runs =-2''.35 Adopted Zenith Point, = 326° . 04'. 04''.82 Assumed Co-latitude = 56° . 03', 56''.75

Month	100	NAME OF STAR		Mi	crosco	opes.			Micrometer			ncluded	Initials of
and	No.	OF	A	В	c	D	E	F	or Time by Molyneux.	of Microm.		Circle.	tials
Day.	A.S.C.	PLANET.											In:
			1 11	"	#	0	B		h. m. s.	, "	0	, "	
29 Dec.	807	Canopus M.R.	44 37 - 8	28.0	28.8	36.8	19.0	40.0	20.682	-20.97	164 4	14 10 05	T.1
	807	Canopus	23 66.8									24 00.43	
	838	Sirius M.R.	38 29-1							-14.68		38 10.18	
	838	Sirius	29 63 2					100000000000000000000000000000000000000				29 57 15	
	883	¿ Canis Maj. M.R.	16 42·0 51 50·2						20.564	-16.21		16 27.00	
	883 915	δ Canis Majoris η Canis Maj. M.R.	7 37 . 8						20.505	19.00		51 42.92	-
	915	η Canis Majoris		37.4					20.505	-13.83		07 26.08	
	310	B Octantis SP	34 53 0									34 42 - 30	
	1070	α Pix. Naut	23 65 6									3 56.13	
	1092	Ursæ Majoris	33 26.9								100000000000000000000000000000000000000	33 43 14	Same 4
	1114	λ Argus M.R.	54 22.8						19.940	+8.95		54 30 - 39	
	1114	λ Argus	13 47 . 0									3 39.01	
	1152	θ Ursæ Majoris	12 47.0								52	3 00.62	T.
	1223	Argusin Vel. M.R.	27 50.0							-55.58		26 54 32	
	1223	Argus in Velis	41 23.0									11 15.08	
		(a) η Argus M.R.	57 43.0						20.558			7 19.48	
	1281	η Argus	10 55.0	1000		-						0 51.88	-
	1319	Hyd. et Crat. M.R.	3 33.3						18.538	+1 05.50			
	1319	Hydræ et Crat	3 39 . 0								ETT	32.22	
	1378	Hydræ et Crat	59 62 5						00-000	20.04		59 53.78	
	1448	β Corvi M.R. β Corvi	38 35.5						20.882	-29.04			
	1448 1596	β Centauri. M.R.	43 43 . 7						01.669	-1 00.54	337 3		
	1596	β Centauri	25 43 2						21 000	-1 00 54		5 37 . 40	
				100000					(20.550	-15:65		7 11-94	-
	1654	a1 & 2 Cent. M.R.	17 37 2	19.0	34.0	22.6	23.8	33.0	20.844			7 00-08	
	1000	1000-1	FO FC 0	70.0	00.0	=0.0	×	-1.0	e				T.1
	1654	α¹ & º Centauri	50 76-3	10.9	82.3	28.8	19.9	21.3	20.446	-11.46	299 8	1 10.47	T.I
	1885	Antares M.R.	12 38 . 0	15.6	47.3	13.1	67.5	51.0	20.886	-29.20	138 1	2 8.80	
	1885	Antares	55 68-1	54.0	70.4	58.7	61 · 1	53.0			333 5	66 1.34	T.1
30 Dec.	19	⊙ N. L M	5 47.8						20.680			5 18 34	
	1000	⊙ S.L	32 53 2	5022113					10.055			2 45·89 7 5·82	
		(b) § 's center . M.R. 8 's center	25 26 0	54.3					14.000	+1 41.12	337 4		
	482	X Eridani	48 26 2						- 13 40 10 1			8 15.10	
		(c) n Tauri	15 32.0						AL VENEZA			5 50.88	
	517	Tauri M				10 1			15.184	+3 20.19			
			53 26 1	69.2	56.5	34.4	86.9	18.5	21.700	-1 02.04	22 5	2 46-26	T.1
	582	ζ Aurigæ	46 31 4								40 4	6 51 . 57	T.1
	588	η Aurigee	56 59.8	105 2	98.5	49.3	128-2	38.0			40 5	7 19.65	T.1
	611	Capella	44 32.0	1000000			20000000		9119119			4 49.84	
		σ Octantis SP	17 24 . 0									7 13.91	
	673	a Leporis MR.	4 34 2						19.730			4 48.99	
	673	a Leporis	3 27 1									3 19.15	
	699	a Columbæ	50 29 4									0 19.47	
	732	β ColumbaeM.R.	57 41.6									7 53·79 0 15·63	
	732 746	β Columbæ	10 23 1	12.1								1 57-16	1000
	787	γ Columbæ M	54 39 0									4 48-15	
	807		44 36 0									4 10.77	
	807	Canopus	23 66 2									4 01.50	
	838	Sirius M.R.	The state of the s			The state of the s			THE RESERVE OF THE PARTY OF THE			8 10.51	
	838	Sirius	29 65.3									9 57 67	

⁽a) Bisected at the 2nd and 5th Wires.
Dec. 29th, a remarkably fine observing night.

 ⁽b) Correction for Motion, 0' 77
 (c) No. 515 appears larger than No. 517.

Sec. of appa-	Apparent Zenit	h n	The	rmome	eter.				Microm.	9	iemi-	Georg	c. S	P.D. of		NAME OF CO	
Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Paral	lax.	opposite Limb.	dia	meter.	aco	Cen		No.	NAME OF ST	
,		Inch.	0	0	0	, ,	,	,	r	,	,,		,	,		PLANET.	000
	-18 40 5.77	30.124	68 · 2	63.6	61.8	10.00						37	23	31.75	807	Canopus	
5.24	-18 40 3 85					19.23							23	33.67	807	Canopus.	
3.67	17 25 54·10 17 25 52·87			1000		17.88						10000	30		838 838		
	7 47 37-65		68.2	63.6		7.70						1000		42.19			
4.96	7 47 38-27			20 0		7.79						200		42.81	883	& Canis Major	ri
4.59	4 56 38·57 4 56 38·45		68.2	63.6		4.92						61		40.24	915	η Canis Maj. η Canis Major	
	-56 29 22.35		68.2	63.5		1 25.73								51.33	910	B Octantis SF	P
	1 19 51-48		68.0	63.2		1.32						57	23	49.55		a Pix. Naut.	
	82 29 38·49 -8 50 25·74		60.0	63.2	61.0	6 46.31						138	40	21.55	1092	Ursæ Majori	is
4.70	-8 50 25·64		00.0	00 2	01-2	8.85						47	13	22.26	1114	λ Argus λ Argus.	
	86 8 55.97	-083		63.2								1 10			1152	θ Ursæ Majori	is
4.70	-7 22 49-67		67.6	63.0	61.5	7.37						48	40	59.71	1223	Argus in Velis	
	-7 22 49·57 -24 53 14·83	1100000	67.8	63.0	61.5							31	10	15.53	1223	Argus in Velis. η Argus	5.
	-24 53 12-77					26.39			1			31	10	17.59	1281	n Argus.	
4.64	11 59 27.59		67.5	63.0		12.09						68				Hyd. et Crat.	
	11 59 27·57 0 55 49·13		67 - 5	63.0		0.92						68				Hydræ et Crat Hydr. et Crat	
4.19	11 25 59.93			64.0		11.49						67				β Corvi	٠.
10000	11 25 59.01		000			11.49						67	-			β Corvi.	
75 * CEPS	-25 38 28·67 -25 38 27·25	110000000	68.0	67.6		27.09						1000000	25			β Centauri β Centauri.	
	-26 13 7.29					27.70								21.76	100000		
	-26 12 55.43		68.2	69.4		27.70						1 1 1 1 1 1 1		33.62	1004	a' & 2 Centaur	п
	-26 13 · 5 · 64 -26 12 54 · 18													23·41 34·87	1654	a1 & 2 Centaur	ri
5.07	7 51 55.85		69.0	74.5		7.70							56		1885	Antares	
3.07	7 51 56-69					7.70						63	56	1-14	1885	Antares.	
	11 1 13-69	30 - 102	70.0	76.4	69.0			.64		16	17.30		49			0	
	10 28 41 24 11 36 58·83	-100	70.3	76.0		10.39		. 56				00	49	4·12 5·44		⊙ ŏ	
(3.65)	11 36 56.83					11.42	1	. 56					41	3.44	No.	ğ	
	-0 15 49.55			66.5									48	6.94	482		
-	49 11 46·23 49 15 6·42		70.0	66.5	65.5	1 5.37						105		48·35 8·66	515 517		
	56 48 41.61		69.4	66.5		1 26.14	4	.10						0.40	317	Ceres.	
	74 42 46.92					3 23 - 52			-			130	50	7.19		ζ Aurigæ.	
	74 53 15·00 79 40 45·19		69.0	66.4		3 25·92 5 0·16			-			131		37·67 42·10	588 611	η Aurigæ.	
	-56 46 50.74		69.0	66.0		5 0·16 1 26·15						100000		20.14	011	Capella. σ Octantis SP.	
4.07	15 59 15.66	.072	69.0			16.21						72	3	28.62	673	a Leporis	•
,	15 59 14.50		1	1								72		27.46	673		
	-0 13 45·18 -1 53 49·14				1	0.23						1 7 7	10	11·34 5·74	699 732		
4.71	-1 53 49.02					1.87						54	10	5.86	732	β Columba.	
1	-1 22 7.49					1.35			1-11					47.91	0.0000000000000000000000000000000000000	γ Columbæ.	
	-1 9 16·50 -18 40 6·12					1.14						-		39.11	787 807	κ Columbæ. Canopus	
	-18 40 3.15	1				19.12			100			The same		34.48	807	Canopus.	
	17 25 54-14																

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.162$ One revolution $=40^{\circ}.335$. Correction for Runs $=-2^{\circ}.35$ Adopted Zenith Point to Sirius, on the 29° , $=326^{\circ}.04'.04''.28$ From Sirius, $=306^{\circ}.04'.04''.65$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

Month		NAME OF STAR			M	icroso	opes.			Micrometer			ncluded	Jo
and Day.	No. A.S.C.	or PLANET.		A	В	c	D	E	F	or Time by Molyneux.	for Microm or Time.		cading Circle.	Initials of
24,			,	,	"	,	"	8		r. h. m. s.	1 .	0	, ,	
30 Dec.	883	¿ Canis Maj. M.R.	16	29-9	40.5	04-8	861.	04.5	44.1	20.245	-3.35	138	6 26 64	T.N
	883	∂ Canis Majoris						41.1					51 40.96	
	915	η Canis Maj. M.R.						06.7		20.315	-6.17		7 26.06	
	915	η Canis Majoris	1000000					43.0		The second second	******		00 42-11	T.N
		B Oct. SPM.R.	100		100000			85.6	1	FO	+20.41		33 28 12	T.N
	1114	B Octantis SP λ ArgusM.R.			200			64.1		7 1/2 1 1/2 1/2	6.70		34 41·13 54 29·63	
	1114	λ Argus	1-			1		40-1			-0.10		3 39 56	
		(a) θ Ursæ Majoris	100			1000		96.4	1			2000	2 52.78	T.N
	1223	Arg. in Velis M.R.						19.5			+17.83	10000	6 55.74	20000000
	1223	Arg. in Velis	41	22.8	15.3	27-1	1 08 :	17.0	59.2				1 15-13	T.N
	1281	η Argus M.R.						24.0			-7.99		7 19 99	T.N
	1281	η Argus						54.6					0 51.21	T.M
		7 Oct. SP M.R.						52 - 1			-27.55		4 06-13	T.N
		τ OctantisSP	23	73-0	72.0	78-9	235-8	83.9	36.6			268 2	4 02.88	T.N
31 Dec.		(b) ⊙ S.L M	100		-	1000	1000	31.2	1	2021 (0.202)			6 57 - 39	T.N
		⊙ N. L						32.6			+0.35		9 32 - 10	100 March 1990
	2741	Fomalhaut . M.R.						22.0			-1 37.93			T.N
	2741	Fomalhaut						67.2			30.50	329 3		T.N
	31	(c) a Phænicis. M.R.						22.4			-10.50		9 18 - 52	T.M
	31	a Phœnicis						113.5					8 50·88 5 06·47	T.N
	611	Capella						95.5					4 48.76	T.N
	011	σ Octantis SP						26.5					7 12.98	T.M
	673	- Lanaria P						25.7				100000	4 47 . 78	T.M
	673	(d) a Leporis						25.2				I Section 10	3 18.02	T.M
	699	α Columbæ						17.7			· · · · · · · · · · · · · · · · · · ·	325 8	0 18.71	T.N
	732	β ColumbæM.R.	57	32.9	24.4	30.	5 28	21.0	24.0	19.470	+27.91	147 5	7 54.25	T.M
	732	β Columbæ	100			1000		12.7				10000	0 14.93	T.N
		(e) 7 Columbæ	100			100		3 54 . 2				-	1 57.41	T.N
	807	Canopus M.R.						24.8			-4.76		4 12.28	T.M
	807	Canopus						53.8				100000	3 58 58	T.M
	838	SiriusM.R.	38	24.4	46.0	58.9	261.	03.5	37.5	20.610	-18.07		8 9.75	
	838	Sirius	29	05.2	50.1	67 -	5 49.	64.5	46.9			343 2	9 57 32	T.N

 ⁽a) A Blotch.
 (b) Observed at the Meridian and 5th Wires.
 (c) Obscured and faint, observed at the Meridian and 4th Wires.

⁽d) Found bisected by the fixed Wire. (e) Cloudy on the Meridian, observed at the 5th Wire.

Sec. of appa- rent	App	aren	t Zenith	Barom.		rmom	eter.	Refer	etion	Parallax.	Microm.	Ser	ni-	Geod	.s.	P. D. of		NAME OF ST	
Zenith Point.	I	Dista	nce.	Darom.	Attach.	Out.	Wet Bulb.	Keira	ction.	Paramax.	opposite Limb.	diam	eter.		Cent	er.	No. ASC	or	
"	0	,	,	Inch.	0	0	0	'	,	, ,	r	,	,	0	,	,			
3.80			38·01 36·31						7.75							42·51 40·81	883	δ Canis Maj.	
4.09	4	56		30.073	69 · 0	65.4	64.0		4.90					61	0	40.24	915	δ Canis Major η Canis Maj. η Canis Majo	
4.63	20	00	23.47	-071	69.0	65.0	64.0	1 2	5.36					-0	26	52·08 52·13	010	B Oct. SP. B Octantis Si	
4.60	-8	50	24·98 25·09	-3.3	18 3	61 · 4		100	8 · 87					47	13	22.90	1114	λ Argus λ Argus.	
5.44		22	48·13 51·09	·041 ·034		61·0 63·4			7.36					48	40	58.30	1152 1223	θ Ursæ Major Arg. in Velis	
5.60	-24	53	49·52 15·34 13·44	-032	68.5	63.9	63 · 0		6.31					31	10	59·87 15·10 17·00	1281	n Argus	1
4.51			2 10	30.038	68 · 5	64.0	63.0	1 2	9.34					-1	37	34·07 34·36	1201	τ Octantis SP τ Octantis SP	2
100	10	32	52.74	30-076	71.0	78 - 2	71.0		0.30	-		16 1	7.30			15.52		0	
5.13		27	27.45	.020	72.0	74.3			0·84 3·35	1.65		10 1	. 00	59	31	16.09			
4.70	-9		2·23 13 87 13·77	.021	71.4	70.5			9-12					46		2·33 33·76 33·86	2741 31 31	Fomalhaut.	
	56	51	1.82			65·4 65·5			6·42 0·23	4.08				112	56	20.91		α Phœnicis, Ceres. Capella.	
	-56	46	51·67 16·87			65.4		1 2	6.17						44	21·09 29·84	673	σ Octantis SP	27
2.90	15	59	13·37 45·94						$6 \cdot 22 \\ 0 \cdot 23$					72	3	26·34 10·58	673 699	a Leporis.	
4.59			49·60 49·72	11 19 19	30				1.88					54	10 10	5·27 5·15	732 732	β Columbæ β Columbæ.	
5.43	-1 -18	40	7·24 7·63			65·8 66·0			9.09					37	23	48·16 30 03	807	γ Columbæ. Canopus	
3.54	17	25	54.90	30.034	69 · 2	66.0			7.74					73	30	31·59 9·39	807 838	Sirius	
	17	25	52.67											73	30	7.16	838	Sirius.	

Coincidence of Micrometer Wire with fixed Wire, $=20^{\circ}.162$ One revolution $=40^{\circ}.335$ Correction for Runs =-2''.35 Adopted Zenith Point, $=326^{\circ}.04'.04''.65$ Assumed Co-latitude $=56^{\circ}.03'.56''.75$

