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

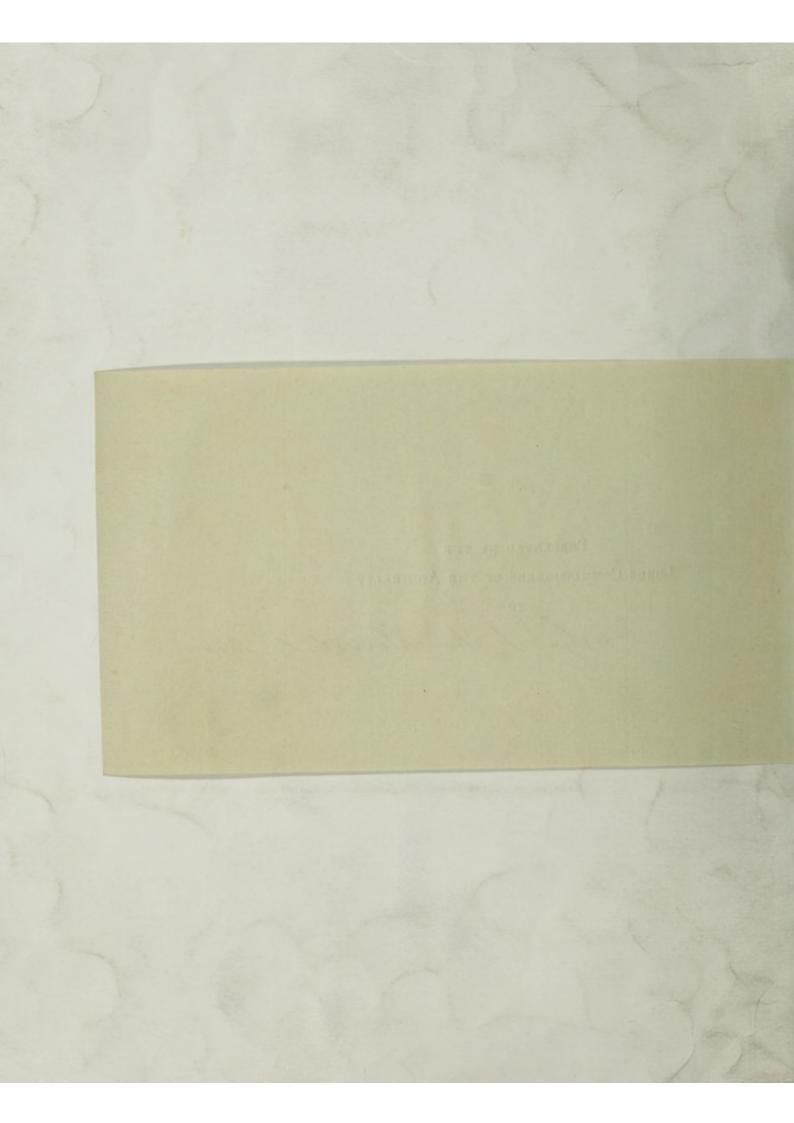
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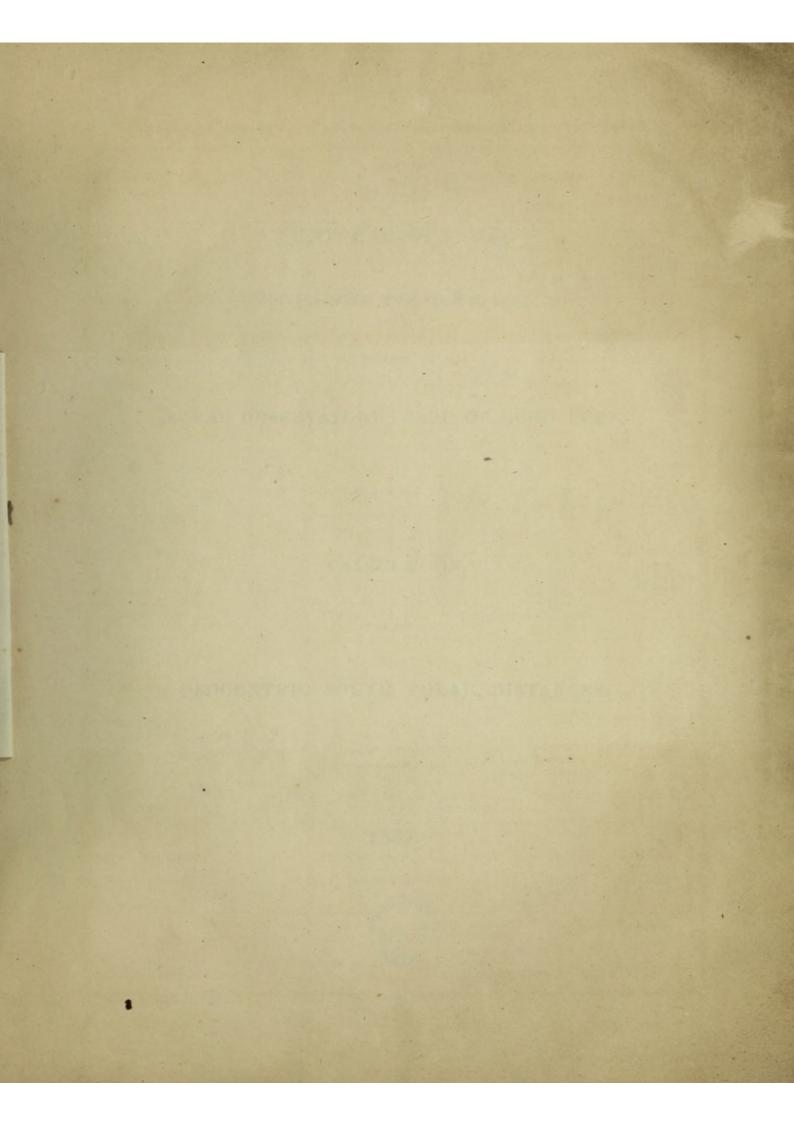
CAPE TOWN, Royal Observatory

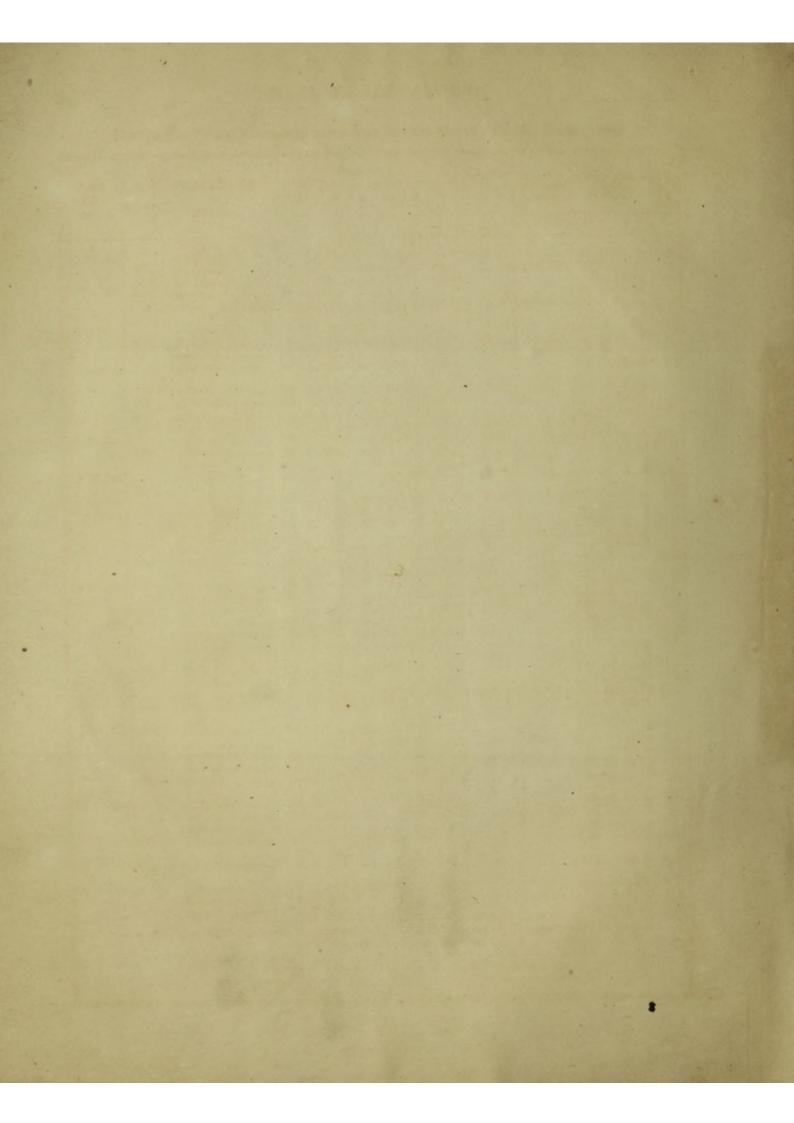
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Sie J. In Herschel, Bark

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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.			Micrometer	Correction		ncluded	of ir.
and Day.	No. A.S.C.	or PLANET.		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		eading Circle.	Initials of Observer.
			,		8	0	"	"		r. h. m. s.	, "	0	1 11	
⊙ 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	18.336	+1 03.89	130 342 325 8	17 05.62 4 57.26 3 12.77 50 13.34 00 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	18.516	+56.69	342	17 5.22 4 57.36 3 13.05 50 13.69	T.M. 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			325 8	17 5.20 50 12.28 00 45.61	T.M. T.M. T.M.
§ 11 Jan.	699								49.1 10.5		-0.49		17 5.40 50 12.94	
D 23 Jan.		σ Octantis SP	17	07.1	15.7	5.8	46.1	20.3	51.5	5 6 30	-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			18	50 11.51 24 33.72	T.M. T.M.
	1206 1915		31 0	39.5	38.8	48.2	30.0	32.8	11.8	20.52	3 -24.04	17	24 9.68 32 13.12 00 45.89	
ង្ 25 Jan	699	Fomalhaut	17 50 26 36	06.4 4.6 50.0 33.2	111.7	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 40	-0.10 7 -4 17.00	0 269 325 17 0 18	50 10.59 27 20.36	T.M T.M T.M T.M
4 26 Jan	1206	χ N. L	40	6.1	9.	16.1	1 58.6	2.8	28.1	9.63	8 +6 53.6	1 18	30 38.65 40 42.15 47 35.76 32 14.12	T.M T.M
2 27 Jan	1206	ψ S.L *(w) \$ N.L. M	31 50	43.9	237.1	8 46.	1 35.1	1 28.4		22.67	0 -1 50.3	17 18 7 18	50 11.45 32 14.54 50 57.26 49 6.89 32 15.96	T.M T.M T.M
ь 28 Jan	1	α Columbæ * (p) \$ S.L. M	50 58	55.9	910.	0 49.0 1 40.0	0 15.0	7 23.	0 3.5 5 10.8 0 16.8	23.12	2 -2 08.5	325 18 4 18	50 12.39 59 7.09	T.M T.M
₹ 31 Jan			100				1		546.9			18	00 45.48	
§ 1 Feb.		ε Scorpii	0	37.5 49.	2 54.	533.	8 57 0 30	5 45.	4 45.0 1 23.1 0 11.8	19.46	7 +18.4	326 2 130	00 45.44 00 59.36 07 10.96	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-		rent	Zenith		- 37	rmome	eter.			Microm.	Sami	Geor S	P. D. of		NAME OF STAR
rent Zenith Point.		istar		Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.		iter.	No. ASC	or PLANET.
"	0	,	11	Inch.	0	0	0	, ,,	, ,,	r	, ,,	0 /	"		T LANEI.
- 00	15		00.91 09.27	30.139		63. 63.		1 26.84					4 31.00 3 22.32	673	σ Octantis SP. α Leporis R.
5.02	15 -0	59 13	06.24 53.19 21.49	.131	69.	63.		16.30 0.23 0.05				55 5	3 19.29 0 03.33 0 35.21	699	a Leporis.
			01.31 09.17	30.157		63.6 63.5		1 26.80				-0 4	4 31.36	673	σ Octantis SP.
5.21	15	59	06.52 52.84			63.5		16.30 0.23	ir bini			72 0	3 19.57 0 03.68		a Leporis.
	-0	13	01.33 54.25 20.92	30.165	68.2	62.2		1 27.06 0.23 0.05				55 5	4 31.64 0 02.27 0 35.78		
	-56 -0	47 13	01.13 53.59	30.145	67.5	62.0		1 27.04 0.23					4 31.42 0 02.93	699	σ Octantis SP. α Columbæ.
	-56	47	02.58	30.054				1 26.78				-0 4	4 32.61		σ Octantis SP.
	-0	13	55.02	30,032				1 25.98 0.23	0.01		0.40	55 5	4 32.71	699	The state of the s
	52 5 51 5	20 28	03.15 06.59 20.64	29.991	09.5	00.0		1 12.97 1 12.93 1 10.61 0.05	9.81		6.43	108 2 107 3	5 32.53 5 12.83 3 13.95 0 36.06		
	-56	47	42.62 04.87 55.94	30.017	71.0	66.0		3.40 1 25.98 0.23				-0 4	0 42.77 4 34.10 0 00.58	0.000	σ Octantis SP.
	51 5 52 3	23 33	13.83 01.89 44.76			62.4 62.3		1 11.04 1 14.09 1 13.89	1.54 9.87	18.917		107 2 108 3	8 40.35 8 12.73 3 39.08	000	*(u)
			32.12 35.62	30,089		64.7 63.4		1 11.06 1 14.27	1.54 9.91				1 15.45		4 5
			29.23 07.59	.075	68.8	63.4		1 14.57 1 11.27					8 40.55 3 15.61	1206	*(x) η Leonis.
	51 5	28		30.009 30.009				0.23 1 10.42 1 13.84	1.54	18.893	20.75	107 3	0 01.44 3 34.39 2 01 32	699	a Columbæ, ¥ *(w)
			00,36 09.43					1 13.77 1 10.46	9.97		6.50		9 54.41 3 16.64	1206	8
	52 s 52 s	55 52	52.39	29.930				0.23 1 14.06 1 13.96	10.01		6.51	109 00 108 5	02.38 0 11.37 7 59.60	699	*(p)
			08.94 21.05	29,930	70.2	67.8		1 10.33		Tara I		P 21 17	3 16.02 3 35.65	1000	η Leonis. ε Scorpii.
5.16	16		21.09 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		NAME OF STAR			N	licroso	copes.				crometer				luded	10 to
and	No. A.S.C.	or		A	В	c	D	E	F		Time by olyneux.	for Microm. or Time.	1		ding ircle.	Initials of Observer.
Day.		PLANET.	,	"	"	"	"	"	"	h.	r. m. t.	, ,,	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						35.0		18.455					T.M
	673	a Leporis	2						20.3				342	03	10.03	T.M
	699	(a) a Columbae	50	01.4	118.0	57.7	20.8	9.2	9.2			+0.74			10.10	T.M
		(b) α Piscis Naut. M.R.							32.5		19.506	+16.85	144	44	14.42	T.M
	1070	a Piscis Naut							1.3						59.68	T.M
		4 S.L	48	25.0	14.0	24.0	15.7	4.1	1.9						53.42	T.M
		* (k)	43	56.2	49.8	59.0	45.2	39.9	31.8				4.4		26.19	T.M
	1206	d N.L. M	23	40 6	24 6	42 6	20 1		10 0		19.067	+34.50	19	40	0.69	T.M
	1200	η Leonis	31	42.0	04.5	43.6	33.1	24.5	19.2			77,000				
ь 4 Feb.	2110	ε Sagittarii (c)	32	44.6	2.9	43.5	6.8	52.8	53.0			11 (31.15)	325	32	53.41	T.M
5 Feb.	2741	Fomalhaut	30	40.5	59.5	38.2	4.8	51.1	52.0				329	30	50.87	T.M
	699	a Columbae	50						7.4				325	50	9.34	T.M
	150000	A Octantis	38	47.0	58.0	53.5	23.2	6.2	30.7	8	38 00		271	38	45.75	T.M
		24 N.L	53	50.2	43.2	49.0	42.0	31.0	27.0				17		19.63	T.M
		* (n)							16.2				20	9	10.63	T.M
		ð 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				325	32	53.13	T.M
) 6 Feb.	699	α Columbæ	50	0.2	19.9	56.9	21.4	10.0	8.0				325		9.37	T.M
	869	(b) ε Canis Maj. M.R.							48.0		19.630	+11.86				
	869	ε Canis Majoris	14						46.4						43.16	T.M
	915	η Canis Maj. M.R.	7						45.5		19.457				31.53	T.M
	915	η Canis Majoris							42.6						40.20	T.M
	961 961								54.6		19.764				41.03	T.M
	990		40	45 0	50 4	11 7	59.4	15 0	24.6		19.900	The second second				T.M T.M
	990	ζ Argus M.R ζ Argus	07	90.0	33 5	14 4	34.2	05 0	20.0		19.900	+1.00	320	27	24.47	T.M
	1066	ð Cancri	43	94 5	16.4	25 0	13 7	7 0	0.0		17.000				53.73	T.M
	1000								4.3			Sel Store			59.22	T.M.
		* (n)					27.9				and the same of			09	8.56	T.M.
		& S.L. M									22.504	-1 43.07	20	07	24.86	T.M.
	2110		32	46.2	2.2	43.0	5.8	52.9	53.3				325	32	53.38	T.M.
đ 7 Feb.		σ Octantis S P	17	2.5	13.1	3.8	39.0	21.5	44.4	5	6 00			17	0.36	T.M.
	673	a Leporis M.R	4	1.5	13.5	21.4	42.7	31.2	36.8		18.471	+58.46		5	1.87	T.M.
	673	a Leporis	3				31.9				1000000		342		11.41	T.M.
	699		50	2.1	19.0	56.3	21.8	9.0	10.0	5	33 32	and the second	325		9.69	T.M.
	734	a Orionis M.R	45	48.2	55.0	13.9	3.6	31.5	3.2		18.612	+57.50				
	734		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	10	50.1	9.1	39.6	22.5	59.6	12.2		00 150	The state of the s	342	17	2.18	T.M.
	829 829	ν 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				
	869								49.0		19.000			-	43.94	T.M.
	903								14.0							T.M.
	903						49.1									T.M.
										7	42 4					T.M.
	1003						10.2				20.338	-16.61	158	59	22.98	T.M.
	1003	γ 2 Argus							48.0				313	8	49.99	T.M.
	1066	d Cancri	43	20.7	18.9	24.7	11.8	9.1	56.3		William !	1 - 1 - 1	18	43	52.88	T.M.
		ч S.L	57	44 0	42 0	47 9	35.2	39 3	19 5						16.11	TM

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)ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Para	llax.	opposite Limb.	diamete			Cent		No.	NAME OF STA
"	0	,	"	Inch.	0	0	0	,	"	,	"	r	, ,,		0	,	"		PLANET.
San Park	-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 l		55	32	43.12	2110	ε Sagittarii.
	3	26	44.34	30.264	59.1	70.8			3.40						59	30	44.49	2741	Fomalhaut.
211	-0	13	57.19	1000	0.000	Server L	1/2	1	0.23				02.08				59.33		a Columba.
190			20.78		67.5				19.86			00 071	0.1	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				18 39				59.36		a Columba.
5.50			36.63	29.943	09.4	71.3		- 19	5.07	1		C TOP	2 32				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		4.82	1		0.8 0.2	5 75				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				6.666					08.55		
0.80	-5	36	42.06			100			5.50			0.4116	1 311				09.19		ζ Argus.
Dia I				29.933 29.933					12.94 10.87		1 55	18.884	90	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					55	32	43.09	2110	ε Sagittarii.
1				29.775				1	24.93	1		194	10 111				34.35		σ Octantis SP
6.64			04.66	29.775	71.2	08.1	1	1	15.98						100000		17.39 17.61		α Leporis R. α Leporis.
11-11-1	-0	13	56.84	19.0	134	1 70		1	0.23	1			1019				59.68		a Columbæ.
5.87	41	17	33.12	29.775	71.0	67.8		1	48.98			1. 6511.						734	a Orionis R.
			31.80	90 777	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							08.11		β Canis Maj. β Canis Major
7.19				29.780	71.0	67.8		1	8.96	0			10		46	56	31.42	829	ν Argus R.
1.13	-9	07	15.05		7.32.54		1	130	0.90	TOTAL		E HE LL	14 11 1				32.74		v Argus.
5,94			38,59	29.774	71.0	07.5		1	5.06			1-353-			10000		40.40 39.22		ε Canis Maj. ε Canis Majori
7.69	- 0			29.774	71.0	67.5		1	0 91			1			0.000		23.67		π Argus R.
1.09	-2	52	27.95			188	1	1	2.81	100		1.1 14					25.99		π Argus.
9	-56	29 55	16.45	29.774 29.780	70.5	67.5	1	1	24.11			1-1-1-1					57.63 27.48		B Octantis SI γ ² Argus R.
6.49	-12	55	16.54	20.700	10.0	07.2	1	1	12.82				60 0 1						γ Argus.
4 77	52	39	46.35	29.781					13.23		145		1 1000		108	44	56.33	1066	à Cancri.
	51	54	09.58	29.782	70.2	65.4	1	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	12.0	NAME OF STAR			M	icrosco	opes.			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	F	,			1		arcae.	niti Obse
			,	"	"	Ø	"	"	,	F. A. 10. s.	,	,	0	,	,	
7 Feb.		\$ N.L	14	20.0	20.8	26.2	11.4	9.6	57.4		27.		20	14	53.36	T.M
11 64		*(r)								14.401	+3	42.10	20	18	35.46	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.		σ Octantis SP								5 05 43		100	269		0.31	T.M
	673	a Leporis M.R		14.8	3					18.882		+41.94				T.M
	673	a Leporis	50	58.9									342		10.86	T.M
	699 732	β Columbæ		56.0	18.0								324			T.M T.M
	746	y Columbae	41	40.4	58 9	34.4	60 3	47 3	48 3	18.25	len l		2000000		47.95	T.M
	797	β Canis Maj. M.R.		22.2						20.389	1	-18.66	12/2/2		10.87	T.M
	797	β Canis Majoris		49.8									342	7	2.20	T.M
	829	ν Argus M.R		51.5						20.820	3	-35.98	155	11	23.28	T.M
Tree!	829	ν Argus		45.2			0.2				100		316	56	51.43	T.M
-0000	838	Sirius		46.1			17.9					42 11			54.96	T.M
25100	903	π Argus M.R		51.4						20.447	-	-20.99			35.10	T.M
	903	# Argus		30.9						30 005		00 00			37.79	T.M
	928	(a) σ Argus M.R σ Argus	1 0	12.4							+1	03.93	317		25.25 47.77	T.M T.M
	320	B Octantis SP	24	42.7									1000000		37.58	T.M
	990	ζ Argus M.R		45.5						20.053		-5.17			50.21	T.M
	990	ζ Argus		20.0									1000000		24.58	T.M
	1066	ô Cancri		19.6											53.13	T.M
	1092	ι Ursæ Majoris		43.0									48	34	10.69	T.M
Al John Co		ц S. L	0		2.7										35.81	T.M
	3	(b) & S.L	21	6.2	8.8	18.5	58.1	3.3	40.5				20	21	42.26	T.M
4 9 Feb.	582	ζ Aurigæ	1000	16.4											49.04	T.M
	611	Capella M	44		2.2						100	+19.34			50.61	T.M
	emo	σ Octantis SP	17		13.0							.00.00	269			
	673	a Leporis M.R	4		45.1							+28.26				T.M
	673 699	a Leporis a Columbæ	2		18.4								342		10.96	100
	735	β Aurigæ	50	33.5	18.3					5 47 30			1000000	51		100
	829	v Argus M		21.9								+22.07			51.17	T.M
		(a) Sirius M. R	37		24.0										15.91	Page 1
	838	Sirius		41.4	2.5	29.5	15.8	50.7	5.0				343	29	53.62	T.M
	869	ε Canis Maj. M.R.		21.5								+3.00	140	53	27.50	1000
	869	ε Canis Majoris		37.2								100000			43.78	
	903	π Argus M.R	56	31.0	48.9	0.0	20.0	8.5	13.2	20.042		-4.70			34.89	
	903	π Argus		32.1						10 100		00 5			38.04	
	928	(d) σ Argus M.R σ Argus	5		24.2						+1	09.70	317		27.08 47.71	
	1003	γ ² Argus M.R	58	35.4	57.9							+43 3	1000000		23.87	
	1003	y Argus		48.5								140.0	313		51.05	
	1066	& Cancri		23.1											52.43	
		(c) 4 N. L	3		57.0							-0.30	W 40		34.08	T.M
	1141	* Leonis	1000	32.9										28		
	1	& N.L. M								18.921	1	+40.37			47.49	
	2110			49.4					100000						54.28	
		(c) Q's center	1	6.5	23.0	57.6	36.0	14.9	26.4			+0.85	339		17.99	
9 10 Feb	673			49.9								+6.07	A		1.26	
	673	a Leporis	3	100 700	14.9								342		10.04	
	699	a Columbæ	50	1.8	11.0	100.8	21.9	1.4	11.1	5 33 30			1020	00	9.19	1.10

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.			3119-1	Microm. for			G		n n of		
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Parallax.	opposite Limb.	dia	emi- meter.		Cent	P.D. of er.	No. ASC	NAME OF STA
-	0 / 0	Inch.	o At	-	· B	-		, ,	T	-	"	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					1	17.69			10				43.37		*(r)
	-0 31 12.58	29.900	70.0	70.0			0.51					55	32	43,66	2110	ε Sagittarii.
	-56 47 06.22	90 951	71 9	69 9		1	25.27			177		-0	44	34.74		σ Octantis SP
	15 50 05 01					1				68				18.70	673	a Leporis R.
5.74	15 59 04.33						16.04			13		100000	-	17.12	673	a Leporis.
	-0 13 57.24						0.23					7000		59.28	699	a Columbæ.
	-1 54 02.60	29.952	72.0	68.8			1.86		P-81					52.29	732	
	-1 22 18.58 16 02 55.66	29.954	72.0	68 6			1.34							36.83 08.57	746	γ Columbæ. β Canis Maj.
6.54	16 02 55.67	20.000		00.0			16.16		1					08.58	797	
7.36	-9 07 16.75	29 966	72.0	68.6	1		9.00		2 182			1000		31.00		ν Argus R.
7.00	-9 07 10.10													32.65	829	
	17 25 48.43 -2 52 28.57	29.972	71.6	68.5			17.61							02.79		
6.45	-2 52 28.74	29.974	71.0	08.2			2.82					53		25.36 25.19		
0 51	-9 02 18.72	29.976	71.5	68.0			0.00							29.10		
6.51	-9 02 18.76					-	8.93					47		29.06	100000000000000000000000000000000000000	σ Argus.
87	-56 29 28.95	29.976	71.0	66.8		1	24.78	Simple !	9			0.000		56.98		B Octantis SI
7.40	-5 36 43.68 -5 36 41.95	29.981	71.2	68.0			5.52		0.0	100			-	07.55		
	52 39 46.60	20 088	71 9	67 0		1	13.52							09.28 56.87		
	82 30 04.16	29.988	71.2	67.9			41.22							42.13		
	51 56 29.28	29.997	71.0	67.5			11.71		18.892		20.77	108	01	56.96		24
	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		10000		41.52	N 255	
	-56 47 04.25		69.6			1	26.32	6 1990 11	E STATE	100				33.82		σ Octantis SF
6.49	15 59 04.52 15 59 04.43	.043	69.4	64.5			16.23	0.000		100				17.50		
	-0 13 57.09	043	69.4	64 5			0.23		191			11/1-		17.41 59.43		The state of the s
	76 46 57.25		69.2			4	37.56							31.56		
	-9 07 15.36	.044	69.2	64.4			9.10							32.29		ν Argus.
4.77	17 25 50.62	.045	69.2	64.3			17.78					1//203		05.15		
	5 10 30 03	0.45	69.2	64 2						1				01.62 40.92		
5.64	5 10 37.25	.040	00.2	04.0		1	5.14							39.14		
6.47	-2 52 28.36		69.2	64.3			2.84	1000	1011	-		53	11	25 55	903	π Argus R.
0.41	-2 52 28.49		00			1	4.04	P. L. 101 N	N. II	1				25.42		π Argus.
7.40	-9 02 20.55 -9 02 18.82	.046	69.2	64.3		-	9.02	P. T. T. S.	- 11	-				27.18 28.91		σ Argus R. σ Argus.
- 10	19 55 17 34	.048	69.2	64.5		1			1	1				26.41		
7.46	-12 55 15.48		1		1		13.00	1	100			43	08	28.27	1003	γ 2 Argus.
	52 39 45.90	4 7722	69.2				14.01			1	23 3					à Cancri.
9 60	51 59 27.55		69.0				12.23		20.974	1	21.0			13.89		* Leonis.
	54 24 00.59 54 24 40.96		69.0	05.0	1		18.81		3		6.5			39.71		* Leonis.
	-0 31 12.25		70.0	70.5	2	1	0.5		1	1	0.0					ε Sagittarii.
	12 57 11.46		70.2			1	12.70		3	1				19,63		2
	15 59 05.27	30 010	71	69	,			101		-		70	02	18,12	673	a Leporis R.
5.65	15 59 03.51		/1.4	00.7		-	16.10							16.36		a Leporis.
	-0 13 57.34		1	1		1	0.23		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	02	NAME OF STAR		M	icrosco	opes.			Micrometer		Concluded	Jo.
and Day.	No. A.S.C.	or PLANET.	A	В	c	D	Е	F	or Time by Molyneux.	for Microm. or Time.	reading of Circle.	Initials of
2,.		Thirties.	, ,	"	,	"	"	"	r. A. m. s.	1 11	. , ,	HO
10 Feb.	735	β Aurigæ	50 39.	8 42.0	1.4	1.4	45.8	51.3	5 47 30.2	an West	44 51 10.07	T.M
	869 869	ε Canis Maj. M.R. ε Canis Majoris		8 19.2						+17.49	140 53 28.20 331 14 43.81	T.M
	903	π Argus M.R	56 46.			100000				-17.85	148 56 36.05	
Maria	903	π Argus	11 31.								323 11 38.13	T.N
11. 12	928 928	σ Argus M.R σ Argus	Contraction of the last of the	2 56.5 3 57.0	1000	1000000			19.039	+35.62	155 6 27.45 317 1 47.90	T.N T.N
	020	B Octantis SP	34 42.	2 47.6	41.0	15.5	53.8	24.1	7 43 00	A STATE OF THE PARTY OF THE PAR	269 34 36.55	T.N
-1110	1092	Ursæ Majoris	33 43.	2 38.4							48 34 8.53 18 5 4.81	T.N
of the latest	- 198	4 S.L	34 38.								18 5 4.81 20 35 11.74	T.N
	100	* (0)	42 22.	0 23.0	30.8	12.0	16.7	56.8		and the same	20 42 56.35	T.N
		ç's center	13 16.	8 31.2	7.0	44.6	24.5	36.0		anni 9	339 13 26.06	T.N
11 Feb.	CEO	σ Octantis SP	A CONTRACTOR OF THE PARTY OF TH	0 14.8		Residence in the				0.00	269 17 1.81	T.N
	673	(b) α Leporis M.R α Leporis		5 7.0 8 77.7	1000000	NO MEDICAL PROPERTY.			19.685	+9.65	130 5 2.68 342 3 10.69	T.N T.N
115	699	a Columbae	5 3.	8 15.9	56.9	20.4	6.4	11.1			325 50 9.05	T.M
THE REAL PROPERTY.	735 797	β Aurigae	50 37.	3 41.0					19.815	+4.42	44 51 08.86 130 1 11.41	T.N T.N
	797	β Canis Maj. M.R. β Canis Majoris		2 6.7						74.42	342 7 1.23	T.N
	838	Sirius M.R	37 49.	0 8.0	10.0	34.8	21.0	23.2	19.340	+23.52	128 38 16.98	T.N
ancie.	838 869	Sirius	29 44. 53 51.							-26 70	343 29 55.16 140 53 28.65	T.N T.N
	869	ε Canis Majoris	14 36.							-20.70	331 14 43.98	T.N
	,903	π Argus M.R	56 35.			No. of Contract	2000		20.114			T.N
	903	π Argus	11 30. 6 23.	8 32.2					and the	-0.28		T.N T.N
	928	σ Argus	1 40.	1 56.4	35.3	56.5	44.8	46.1	0.403		317 1 46.51	T.N
	1003	(c) γ ² Argus R γ ² Argus	59 22.	8 29.5 6 58.8						-0.50	158 59 26.42 313 8 48.67	T.N T.M
**	1066	¿ Cancri	43 21.								18 43 52.28	T.M
	1092	ι Ursæ Majoris	33 38.									T.M
		# N. L		8 26.2 7 6.2							18 8 0.54 20 41 38.75	T.M.
		* (o)? M							(9 22 27 1 19.001	+37.15		T.M
TO Pak	0200	(f) Davasia M.D.	02 44	0 47 0	20 0	7 0	00.0	17 0			169 22 43.35	TA
) 12 Feb.	2398	(b) α Pavonis M.R α Pavonis	23 44. 45 29.		1000000				21.495	-1 05.04	302 45 34.03	T.N.
9	699	a Columbæ	50 3.	8 17.4	3.0	16.8	14.0	5.0	5 33 30.4		325 50 9.97	T.M
60	1066	∂ Cancri	43 18.								18 43 52.85 20 47 51.02	T.M.
		* (m) M								+1 42.04		T.M
13 Feb.	673	α Leporis M.R	4 16.	2 35.9	43.9	59.2	55.2	49.1	18.945	+41.01	130 5 3.11	T.N
	673	(e) a Leporis	3 00.	2 16.9	55.0	25.2	14.8	15.3			342 3 11.04	T.M
	699	a Columbæ μ¹ Columbæ	50 01.	2 36.7							325 50 8.81 345 6 29.30	T.M T.M
	732	β Columbæ	100 000	3 12.9		Barrier Contract					324 9 52.53	T.N
	746	γ Columbae	41 40.							20.55	324 41 47.26	T.M
	797	β Canis Maj. M.R. β Canis Majoris		6 59.0						-32.77	130 1 12.22 342 7 1.38	T.M
	829	ν Argus M.R	11 15.	4 28.0	52.0	52.2	59.8	52.7	1 10000	Lighto, 60	155 11 22.82	T.M
	829	ν Argus Sirius	56 44. 29 42.								316 56 49.85 343 29 53.48	Section 1975
	. 000				-		Decision of the last				.510 25 05.46	
(a)	A hone	Moly atiful observing night.	neux slo	bserved	13.5			-13		ed at the five	ed Wire nearly.	
(d)		eautifully defined and stead						is of			THE RESERVE AND ADDRESS OF THE PARTY OF THE	

Sec. of appa-		Le leve	The	rmome	eter.			Microm.		C		P. D. of		NUMBER OF
rent Zenith Point.	Apparent Zenith Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.		Cen		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	111111			134	55	35.51	537	β'Aurigœ.
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		0.01.01				39.12	869	ε Canis Major
7.09	-2 52 29.52 -2 52 28.40	.007	71.2	68.8		2.82		64.00				24.41 25.53	903	
2000	-9 02 20.92	.010	71.0	68.8		0.00	10					26 90	928	π Argus. σ Argus R.
7.68	-9 02 18.63					8.93		1317				29.19	928	
	-56 29 29.98		71.0			1 24.57		N. W. P.				57.80	1000	B Octantis.
	82 30 02.00 52 00 58.28		70.8			6 41.99	1.55	18.892	20 77			40.74 26.16	1092	Ursæ Majori
	54 31 05.21	.012	70.6	67.4		1 18.79	10.28					17.02		8
	54 38 49.82	.012	70.6	67.4		1 19.16						05.73		*(0)
863	13 09 19.53	.148	71.2	73.4		13.07	1.30			69	13	28.05		Ŷ
9111	-56 47 05.32	30.172	70.0	76.7		1 24.70	1000	0.00		-0	44	33.27		σ Octantis SI
6.68	15 59 04.45		70.2			16.24						17.44	673	a Leporis R.
0.00	15 59 03.56	104	70.0	00 -		0.23						16.55	673	
	-0 13 58.08 78 47 01.73		70.2			4 35.64						58.44 34.12	699 735	
6.32	16 02 55.72		70.3			16.30		0,000		72	07	08.77	797	β Canis Maj.
0.32	16 02 54.10	1	2000			10.30				72	07	07.15	797	B Canis Major
6.07	17 25 50.15 17 25 48.03	.166	70.5	66.3		17.80				73	30	$04.70 \\ 02.58$	838	Sirius R. Sirius.
0.00	5 10 38.48	.166	70.5	66.2			ROLL OF			61	14	40.37		ε Canis Maj.
6.32	5 10 36.85					5.14	37 (0.1)	0.5 (1)		61	14	38.74	869	ε Canis Major
6.92	-2 52 29.40	.166	70.5	66.1		2.85						24.50	903	
	-2 52 29.83 -9 02 22.30	.164	70.2	66.0								24.07 25.41	903 928	π Argus. σ Argus R.
7.97	-9 02 20.62			00.0		9.04						27.09	928	σ Argus.
1 20	12 55 19.29	.164	70.2	66.5		13.00	33133	100				24.46		γ Argus R.
	-12 55 18.46 52 39 45.15	.167	70.0	85.5		1 14.30						25.29 56.20		γ Argus. c Cancri.
	82 29 57.08	.167				6 45.89						39.72		
900	52 03 53.43	.167	69.0	65.0		1 12.80		20.968	20.97					24
	54 37 31.62 54 38 08.77	.164	69.8	65.0		1 19.87	10.28					44 49 25,43		δ *(k)?
10	04 30 00.77					1 19.91				110	40	20,40	8	*(水):
	23 18 36.22	30.120	71.07	75.0		24.00		2.3 18	0 13 5			56.53		α Pavonis R.
0.00	23 18 33.10	5 4 1				- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1	- 12 13	18 1			59.65		α Pavonis.
	-0 13 57.16 52 39 45.72	.080	70.56	37.5		0.23	A LOCAL	83.00						α Columbæ. δ Cancri.
	54 43 43.89					1 19.54	10.27		6.52	110	48	56.43	-000	đ
	54 45 25.98					1 19.66	121-01					42.39		*(m)
	15 59 04.02	20 002	71 96	37.4		1 10 10 1	1888	19 119		79	03	16.89	673	a Leporis R.
7.08	15 59 03.91	.3.333	1.00	4		16.12		2 13				16.78		a Leporis.
	-0 13 58.32				1	0.23	04/0.3	Real	10 11 11	55	49	58.20	699	a Columba.
	19 02 22.17				9 1	19.41	No paralle					38.33		μ¹ Columbæ.
	-1 54 14.60 5 -1 22 19 87 5				1	1.52	Water Land	130-3	100			40.63		β Columbæ. γ Columbæ.
6 90	16 02 54.91 3					18 (19 31)			181	72 (0.7	07.86	797	β Canis Maj. 1
0.80	16 02 54.25					16.20	110.01	15 10	10 5			07.20	797	B Canis Majori
6.34	-9 07 15.69 -9 07 17.28	.002 7	71.26	66.8	-	9.05	Ullpass	-	1912			32.01		» Argus R.
	17 25 46.35 3		100	13.6	1	17.69	10 10 15 10 15 10	-	1 2 1			00.79		ν Argus. 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	33.45	NAME OF STAR			M	icrosc	opes.			Micrometer	Correction		ncluded	of r.
and	No. A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		cading Circle.	Initials of Observer.
Day.		PLANET.	,	"	"	,	,	"	"	r. h. m. s.	, ,	0	, ,	- Ind
1. 7.1	23	to This state	40	25 0	42.2	24.0	27 5	20 2	22.0			210 4	0 00 05	77.25
14 Feb.	611	a Phœnicis			44.0						-16 69		8 36.25 4 53.36	T.M T.M
3 17	011	σ Octantis SP	17		10.4						-10.00	269 1	7 0.77	T.M
	10.0	D N. L	59		36.0							28 0		T.M
	699	α Columbæ	50		15.0							325 5		T.M
	722	C Tauri	32		5.6						ALTON I		2 35.33	T.M
1 10	735	β Aurigæ	1000		41.2	100000000000000000000000000000000000000	1000						1 10.29	
. 1990	775	η Geminorum β Canis Maj. M.R.	31		10.8						+2.14		1 41.55	C COLOR OF STREET
	797	β Canis Majoris	6		6.3	10000					+2.14		7 0.79	T.M
	829	v Argus M.R			48.5						+38.80		1 23.61	T.M
	829	» Argus			59.6								6 50.05	Target Colored
		(a) Sirius	29		59.0						and the same of	343 2	9 54.60	T.M
		(b) ε Canis Maj. M.R.	54		23.4						-43.62		3 28.31	T.M
Cherry Hall	869	ε Canis Majoris			46.0						200 100		4 42.88	T.M
48.10	903	(b) π Argus M.R	56		16.1						+27.42		6 36.41	T.M
		π Argus (c) σ Argus M.R			23.7						+29.47		1 36.35 6 28.56	
100	928	σ Argus	1		54.9	10000	CO CO			The second second	723.47	317	1 47.31	T.M
1 1016	961	ξ Argus M.R			36.6						+12.42	100000	35 35.27	T.M
	961	ξ Argus			45.8								32 37.99	
111	990	ζ Argus M.R	40	22.6	37.1	56.7	0.5	4.0	0.0	19.391	+21.47	151 4	10 51.53	T.M
	990	ζ Argus	27	20.5	28.0	16.8	26.5	24.4	17.9				27 22.17	
	1003	γ ² Argus		47.9	55.3	45.1	50.0	52.0	42.3	The state of	07.3312 3		8 48.08	
	1060	γ Caneri	1		17.0							22	1 50.45	0.00
44.9		24 N. L	14		58.5						1977		14 32.91 59 33.97	T.M T.M
1167		(d) & S.L	59		1.5	15.9		2.0			+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	14 55.95	T.M
		σ Octantis SP	17		9.9							269 1		000000
	673	α Leporis M.R	5		15.0						-55.69	130	5 3.95	T.M
400,000	673	a Leporis	2		15.4							The state of the s	3 9.36	
	699	a Columbæ	50		15.1						O'PI	326 5		
	722 775	C Tauri	32		7.9						TO PIL	1	32 35.80	
	110	η Geminorum	31		313.0							100000000000000000000000000000000000000	$\frac{31}{40}$ $\frac{42.62}{47.55}$	
19 40	831	ε Geminorum	15		21.9						I make a		15 51.68	
	881	7 Geminorum	28		5 16.0						1		28 42.25	
	903	π Argus M.R	55	53.5	2 8.1	25.4	1 34.7	33.6	30.0	19.020	+36.39	148 5	56 36.83	T.M
	903	π Argus	11	29.1	0 44.5	28.8	8 41.7	40.0	30.6		0.00		11 35.69	
	1060	γ Cancri	1	15.	0 16.1	30.8	8 56.5	16.5	39.6	5	1000		1 48.75	
	1092	Ursæ Majoris	33		2.1						40.00	48 3		
		* (h)	12		8 36.0 5 4.6				1 -000		-49.25		4 12.62 12 37.65	
16 Feb.	611	Capella M	144	97	8 26.0	55	39	37 1	39 (19.972	+1 80	45	44 53.44	T.M
		σ Octantis SP	17		0 12.0						11.00	269		
	673				0 5.8						-47.73		5 4.66	
	673	a Leporis		59.	3 15.0	54.9	9 23.	13.3	14.3	3	116 16	342	3 9.89	T.M
	699				9 15.0						130000	325		
	712				0 35.6								6 28.80	T.M
	732 746		43		3 13.6 9 58.						1000	324	10 3.09 41 48.00	T.M
	140	7 Columbie	41	40.	00.	0 30.	100.	10401	40.0	1		Own .	11 40.00	A - 101

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-			Zonis)		The	rinome	eter.			132			Microm.	0	emi		Con	0	P. D. of		
rent Zenith Point.	App	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Re	fraction.	Pa	rall	ax.	opposite Limb.	dia				Cent		No.	NAME OF ST
"	0	,	"	Inch.	0	0	0	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		at .	r	,		NT.	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		
			06.36		72.8				24.98		1	-							34.59		σ Octantis SI
			59.02		73.1			1	44.20		52	.52		14	49	.25			58.20		D
			58.20 28.20		72.6			1	0.23										58.32		
			03.16		72.6				33.22										33.13		
			34.42		72.5				24.07										55.24		
6.20			55.53	.041	72.4	71.6			16.08										08.36		β Canis Maj.
0.20	10		53.66	050		m1 4			10.00										06.49		The second secon
6.83			16.48 17.48	.050	72.4	71.4			8.97										31.30	1000000	0
			47.47	.048	72.4	71.3			17.56										01.78		The state of the s
F 00	5		38.82		72.4				5.07										40.64	869	ε Canis Maj.
5.60	0		35.75						5.07										37.57	869	ε Canis Major
6.38			29.28	.050	72.3	71.2			2.81										24.66		# Argus R.
0.00			30.78 21.43	040	70 0	77 4			7.170										23.16 26.42	100000	# Argus.
7.94			19.82	.049	72.2	/1.4			8.90										28.03		
	0		31.86	.040	72.2	71.0		1	0.00	100							1000		37 94		ξ Argus R.
6.63			30.86						9.33	13									36.94		
6.85			44.40	.036	72.2	71.0			5.50										06.85		
0.00	-0		44.96	000	TO 0	70 4													06.29		
			19.05		72.0 72.0			1	12.85										24.85		
			25.78		72.0				12.09		1	55	21.000		21	61			11.46		4 Caneri.
				30.042					19.66			.24							39.50		8
	54	58	05.54					1	19.80								111	03	22.05		*(i)
				29.946					54.67										40.24		
				29.946				1	24.65										34.64		σ Octantis SF
6.66				29,963	75.0	71.8			15.95				B. A. SE						15.88		
			02.23	29.963	75 0	71.8			0.23										14.93 58.06		
				29.963				1	42.21										07,63		
				29.965				1	23.95										56.19		η Geminorum.
				29.971					47.71		59	.20		14	44	.90			40.78		D .
				29.977					33.33										14.63		
				29.977 29.977				1	55.98				1-1-6						27.85 24.24		τ Geminorum. π Argus R.
6.26			31.44	20.311	10.0	1.0			2.81										22.50		# Argus A.
				30.080	73.8	70.8		1	22.77				2 115				112	03	01.14	1066	y Cancri.
			00.67		73.6				40.28										37.70		
	-		05.49		73.5				19.91		10	.21	D. H. S.		6	.47			05.47		8
	55	08	30.52	30.080	73.5	70.5		1	20.31				Barrier .				111	13	47.58		* (h)
				29.998					59.44				825						42.50		
				29.998				1	26.04				3 14 15						35.00		σ Octantis SP
7.28			02.47	29.992	/1.8	05.0		1	16.18				S. H.F.						15.40 15.69	1 (E) (E) (E)	
				29.992	71.8	65.0	1		0.23				43						57.15	100000000	The state of the s
1				29.992					19.50				1000						37.92		μ¹ Columbæ.
100	-1	54	04.04	29.990	71.6	65.9			1.88				BY BUR						50.83		
	-1	22	19.13	29.990	71.3	64.6			1.36				0 000				54	41	36.26	746	γ Columbæ.

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	DELA.	NAME OF STAR		M	icrosc	opes.	J. Lieby	-	Micrometer			luded	Jo
and	No. A.S.C.	or	A	В	С	D	Е	F	or Time by Molyneux.	for Microm. or Time.		ding ircle.	Initials of
Day.		PLANET.	1 11	"	"	-//	"	"	r.	, ,,	0 /	, ,,	E C
. 16 E-1	707	2 Carlo Mai M.D.	0.54.0	14 0	01.1	20.0	24.0	00.0		.10.74	120 1	11 01	TA
4 16 Feb.	797 797	β Canis Maj. M.R. β Canis Majoris	0 54.2 6 50.0							+10.74	342 7	0.21	T.N
CIR SIN	831	ε Geminorum	15 14.1									49.53	T.N
	881	7 Geminorum				36.0				100007		38.62	T.M
200	100	(a) D N.L	10 1.1	6.1	22.8	35.6	11.8	19.0				35.96	T.N
	0.10	*		::::		::				+2 38.54		14.50	T.M
1000	948	β Geminorum	22 43.1									17.13	T.N
O Jest of	1003	φ Geminorum γ° Argus M.R	8 53.3 58 42.8							120 16	158 59	26.14	T. N
AND MARK	1003	ye Argus	8 45.1							+00.10		48.19	T.N
OH S		(b) a Pavonis SP	35 28.4							-1.73	237 35		T.N
- 30	1060	y Cancri	1 15.7									48.48	T.I
0 1100	1092	Ursæ Majoris	33 44.1									10.69	T.M
1		4 S.L	17 29.2							100000	18 18		T.P
7777	49/6	\$ S.L	9 43.1	44.8	1.0	24.0	45.0	9.0		.0.10.00	122 22	16.89	T.I
		* (h)							16.471	+2 18.88	21 12	35.77	T.I
h 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.I
	0.00	σ Octantis SP				36.0				13.000	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	-1 19.89	130 5		T.I
18 8	673	α Leporis α Columbæ				23.8					342 3 325 50	10.46	T.P
	735	β Aurigæ	50 37.2	40.9	5.8	15.8	50 8	43 3			44 51	8.42	T.N
1 1 1 1 1 1	829	ν Argus M.R	11 41.9							-22.35	155 11		T.1
	829	ν Argus	56 46.0								316 56		T.1
	838	(c) Sirius	29 44.0							+0.34	343 29	53.34	T.N
	903	# Argus M.R	56 31.0								148 56		T.N
	903	π Argus	11 28.8								323 11		T.A
	928 928	σ Argus M.R	5 40.5									29.74	T.A
ABBOT	920	σ Argus B Octantis SP	1 38.0 34 41.1								317 1 269 34	46.29	T.A
DE 161	990	ζ Argus M.R	40 57.1	8 3	30.8	33 5	36 3	34 0	20.153			53.72	T.A
1000	990	ζ Argus	27 17.3							-5.17	320 27		T.A
	1060	γ Cancri	1 13.5									47.60	T.A
		* (e)	18 44.2									17.07	T.N
		(d) & S.L. M							18.952	+39.12	21 19	56.19	T.M
⊙ 19 Feb.	2110	ε Sagittarii	32 45.0	3 0	16 0	2.1	50 B	50 0			325 32	54 06	T.N
0 10 100.		♀'s center		43.8	23.5	52 3	41.3	43.0			341 29		
	MO.									THE REAL PROPERTY.			100
D 20 Feb.	611	Capella								and the same		48.36	
and the last	200	σ Octantis S P				35.0				-0.30	269 17	2.48	
1	699	a Columba	50 1.6	15.0	2.2	14.1	12.5	3.9		KINDA B	325 50	8.20	
	735 829	β Aurigæ ν Argus M.R	50 34.5							. 01 70	44 51 155 11	6.20	
WHITE Y	829	ν Argus	10 59.3 56 42.2							-21.79	316 56		
	928	σ Argus M.R	5 17.8							+1 08.55		30.80	
	928	σ Argus	1 40.2									44.96	
	990	ζ Argus M.R	40 26.0	35.2	59.5	0.8	4.0	2.6	19.373	+22.19	151 40		
	990	ζ Argus	27 17.0	29.5	17.9	25.6	26.8	14.4			320 27		
	1003	γ ² Argus	8 45.7						and the second	ALTERNATION OF THE PARTY OF THE		47.99	
	1060	2/ N I	1 15.7							100-10		47.72	
	19 11 5	# N. L	26 11.0 27 57.8							170 0 00		53.68 32.08	T.N
		* (g) M	27 07.0						19.891	+1.37		33.45	

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.

appa-	Apparent Zenith	-	The	rmom	eter.						Microm.		Sen	i-	Geo		P. D. o	6	NAME OF CO
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Pa	ırall	ax.	for opposite Limb.	di		eter.	Geo		ter.	No.	NAME OF ST
"	0 / 0	Inch.	0			,	,	-		11	r	-	-	,	0	1	"		PLANET.
	16 02 55,32	29.991	71.2	64.0		1.8								T	72	07	08.34	797	β Canis Maj.
6.01	16 02 53.08	401001					16.27								1000		06.10		
866	59 11 42.40					_	34.56	40									13.71		ε Geminorum.
	64 24 31.49						57.36		0.00	00	8-1-19						25.60		
	62 06 28.83 62 09 07.37	29.982	70.5	00.3			46.02		37.	.03		14	40	5.01	117		51.56		D
10	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.							43	08	23.98	1003	γ2 Argus R.
Control -	-12 55 18.94	20 000	~	00 -			12.04	8,1		3	0.940				43	08	24.87	1003	γº Argus.
	-88 28 50.54 55 57 41.35	29.980	70.0	00.0		1	23.07				BRID				110	03	01.17		α Pavonis SP
3/11	82 30 03.56		70.6	66.6			42.17												Ursa Majoris
660	52 13 54.10					1	12.52		1.	.55	18.871		21	.19			23.01	1002	4
	55 6 09.76	29.982	70.2	66.7			20.54		10.	19			6	.45	111	11	23.31		8
	55 8 28.64				- 1	1	20.65				- 100				111	13	46.04		* (h)
200	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.
200	15 59 03.33																16.33		a Leporis.
	-0 13 57.79 78 47 01.29	.038	20 4	33 8		4	0.23 37.23										58.73 35.27		a Columbæ. β Aurigæ.
1000	-9 07 18.97	.050		0.00		*											28,66	890	» Argus R.
7 80	-9 07 17.45						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	38.5	53.4			2.85										21.12		πArgus R.
	-9 02 22.61	.054		33.3			2000										22.81 25.10	928	π Argus. σ Argus R.
	-9 02 20.84	.004		,0.0			9.04										26.87		σ Argus.
	56 29 30.95	.053	38.26	53.2		1 :	25.61										59 81	10000	BOctantis SP
	-5 36 46 59						5.59				1000						04.57		Z Argus R.
Marie Pri	-5 36 44.78 55 57 40.47			33.0	- 1	1	23.95				998						06.38		ζ Argus. γ Cancri.
	55 15 09.94	80 0516		0.0			21.76										28.45	1000	*(e)
	55 15 49.06						21.80		10.	14			6				03.87		8
	0 01 10 05		100	20.0											22	00		2770	0
	-0 31 13.07 3 15 25 20.96 3						0.51		1	49							31.76	2110	ε Sagittarii.
	100	Britan P		1			10.04		1.	10								1 11	
	79 40 41.23	30.143	37.56	61.0			03.79				1.33				135	49	41.77	611	Capella.
	56 47 04.65	.143	57.56	61.0		1 5	27.18				110				-0	44	35.08		σ Octantis SP.
	-0 13 58.93 78 46 59 07	.1316	37 9	-		1	0.23							-			57.59 36.07		a Columbæ. β Aurigæ.
c-1000	-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										23.98	928	σ Argus R.
	-9 02 22.17 -5 36 46.07	-	37.06	30 6	1						- B						25 48 05.06	928	σ Argus. ζ Argus R.
	-5 36 45.44	1		0.0			5.62										05.69		Z Argus R.
	12 55 19.14	-					13.14			-	1						24.47		γ 2 Argus.
	55 57 40.59	B. (B.)	(30.2		1 5	24.63			-	1				112	03	01.97		y Cancri.
	52 22 46.55	10 100	20 0	20.0			14.21				0.974	5					34.87		4
	55 24 24.95 3	O. 136 6	20 . 26	00.2		1 9	22.92		10.0	07			6	.34		29	40.89		8

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		ř. A. m. s.	, ,	0	, ,,	
20 Feb.	1152	θ Ursæ Majoris	12	58.3	54.9	17.2	12.8	59.0	3.0		10000	52 1	3 23.59	T.M
	1219	λ Ursæ Majoris	38	55.4	58.0	21.0	15.2	4.0	4.3			43 3	9 25.53	T.M
10000	2110								48.9		TELMINE.		2 54.45	T.M
		♀'s center	47	23.0	42.7	19.8	50.0	38.0	38.3		0.000	341 4	7 34.83	T.M
21 Feb.	699	α Columbæ	50						3.0		200	325 5		T.M
7	712	μ¹ Columbæ R							11.6		- OT SETTING		1 44.73	T.M
3970	732	β Columbæ							56.3		-13/17 B		0 01.56	1000
	746								40.8		199 40		1 46.76 1 13.24	
178 84	797	β Canis Maj. M.R. β Canis Majoris							6.6		+00.49		7 00.33	T.M
	838	Sirius M. R							23.0		+1 21.21			T.M
Male	838	Sirius							57.5			343 2	9 53.22	T.M
	000000000000000000000000000000000000000	(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		00.00		36.88	T.M
	915 915	η Canis Maj. M.R. η Canis Majoris							30.8		+32.77		7 35.97	T.M T.M
.13111	310	B Octantis SP	1000	-					14.2				35.26	
3 10	1003		10000		100000000000000000000000000000000000000		0.000		11.5	THE REAL PROPERTY.	+47.65		9 28.03	
	1003	γ ² Argus	8	45.3	56.3	50.0	46.0	57.0	36.0			313	8 48.06	T.M
	1060	γ Cancri							48.3		and the same of	22	1 48.82	T.M
	1.00	A Octantis							19.0		+2.01	271 3	38 31.73	
		и N. L В N. L	28						40.3		1 3 4 4 1	01 3	28 47.57 32 39.90	T.M T.M
	7600	*(f) M	32	1.0	4.2	17.0	32.5	0.7	40.0	18.998	+37 97		33 17.17	
	1223	Arg. in Velis	41	13.5	27.7	18.1	20.4	27.0	10.1		701.21	318 4	11 19.23	T.M
	1310	χ Leonis							16.3			8 1	2 11,23	T.M
	1338	¿ Leonis	24	14.9	4.4	18.0	1.5	56.4	47.3		1 100		24 42.91	
		D S.L							21.8				58 16.68	
	1376 1392	β Virginis _o Virginis	39						329.9				10 19.08 37 25.53	
		(b) o Octantis SP	1 Th. Co.						32.8	12 15 30		269	7 57.29	T.M T.M
		Q's center							5.0				6 1.62	
	2623	α Gruis							20.9		10000	312	15 30.60	
5 22 Feb.	699	a Columbae	5	0.0	16.1	2.1	13.3	13.0	1.4			325 8	50 07.63	T.M
	1060	y Cancri							45.0		13/100.00		1 49.27	
	1	*(d)	37	55.6	54.8	3.5	42.7	48.1	27.5	5			38 28.07	
		(c) of S. L	1							23.474	2 22.69		36 05.56	
	1465	(d) D S. L	0.5	5.8	41.0	159.7	46.5	31.1	36.8			2	1 26.62 26 9.49	
	1491	8 Virginis							1 28.8				16 20.59	
и 23 Feb.	699	a Columbæ	50	0.0	16 9	000	10	5 14	1 0.8		13/3/2	395	50 7.76	TM
4 20 100.	735	β Aurigæ	18000						9 53.7				51 13.70	
	797	β Canis Maj. M.R.							6 24.8		+14.64		1 13.27	-
	797	β Canis Majoris							1 4.1			342	6 59.87	
	829	ν Argus M.R							2 22.5		-24.08		11 26.64	The same of the sa
	829	ν Argus							241.3		.0.2		56 49.87	The last of the last
	903	(e) Sirius π Argus M.R							2 10.1		+1 00.71		29 52.79 56 39.53	
	903	π Argus							2 28.4		1		11 35.47	
	928	σ Argus M.R							5 15.1		+46.70	155	06 30.80	T.M
	928	σ Argus	11	39.0	0 52.	5 42.0	044.	4.51.5	2 35.5	5		317	01 44.07	T.M
			Mo	lyne	ux slo	w, F	ebrua	ry 21	st, 27					
		(a) Bisected on t (b) This has been				erving	night							
		(c) Very bad ima				- rang	angar.							
		(d) Unsteady. (e) Bisected at the	=10	****										

Sec. of appa-	Anna	mand	Zonish		The	rmome	eter.			1		Microm.		0		C	0 1	D D .		
rent Zenith Point.		ista	Zenith nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	fraction	. Pa	rallax.	opposite	d	liam	mi- eter.		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			The pas				-			1			1152	θ Ursæ Majoris
			18.40	,132		60.0		4	14.44	1			1			133	43	29.59		λ Ursæ Majori
	-0	31	12.68	30.149	66.5	59.5		10	0.5									43.56		
	15	43	27,70		67.5	68.0		14	15.9		1.5	1	1			71	47	38.85		Ŷ.
	-0	13	58.90	30.145	68.7	64.3	1 3		0.23	3		105/18	1			55	49	57.62	699	a Columbæ,
			22.47			64.0		10	19.6							1000		38.86	712	μ¹ Columbæ.
	-1	54	05.64		68.0		111	1	1.89							54	09	49.22	732	β Columbae.
			20.44		The same of			100	1.37	7		1000						34.94	746	
6.79			53.96			63.6	100	13	16.39				1					07.10	797	β Canis Maj.
			53.13	150	en 0					1		1.100	1			N.79C/0		06.27	797	β Canis Major
5.67			49.09 46.02	.150	67.8				17.89	9						10000		03.73	838	Sirius R. Sirius,
4 40	-		35.83	156	67.5	63.2		10								1000000		37.74	869	ε Canis Maj.
6.85			35.13	.100		00.2			5.16	3								37.04	869	ε Canis Major
100			29.68			63.3			7.80			10.00	1					34.23	883	
7.44			31.23	.158	67.4	63.5						10.15	1					32.91	915	
1.44	4		31.71	1000		luca de		1	4.93									33.39	915	η Canis Major
	-56	29	31.94			64.0		1	27.79)								02.98		B Octantis S
8.05	-12	55	20.83	.162	67.1	64.0		1.1	13.0	7		1000				577		22.85		
	-12	55	19.14	100	CT 4							11.0						24.54		
35.00			41.62 35.47	11222500	67.4				24.10			1 193						02.47	1060	γ Cancri. A Octantis.
			40.37	.162				li	19.4		1.5	4 20.94	R	0	00 53			28.89	119.50	4 Octanus.
			32.70	.176	67.5	63.9			22.6		10.0							35.76		8
	55	29	09.97						22.7		10.0				0.00	I E I E I E		29.42		*(f)
11.11	-7	22	47.97	.170	67.5	63.6		1	7.3							48	41	01.40	1223	
92.56	42	8	4.03			62.9			51.6	0		10.100	1					52 38		
11.11			35.71			62.8			57.7									30.19	1338	Leonis.
			09.48	.166		000		-			35.2	6	1	4 8	59.52	97	37	21.68		D
			11.88	.163	00.8	62.6			42.3			1						51.02		
6 6			18.33	160	66 6	62.4		1	26.9			1000				0.72.00		09.36 40.14	1392	o Virginis. o Octantis SP
			54.42			73.5		1	16.1		1.5	3				10 10, 700		05.75		Q
				30.220					13.7		1.0		-					06.40	2623	
	-0	12	50 57	30.180	60 0	BB A			0.2				1			55	40	56,95	699	a Columba.
			42.07			67.5		1	23.6				1			3.5 100		02.42	-	
			20.87			65.2			22.0			100	1					39.63	1000	*(d)
			58.36						22.6		9.9	9			6.27	111	37	14.03		8
	35	57	19.42	.134	68.1	65.0					23.4		1	5	6.53	91	44	40.44		D
				30.132	68.2	65.4			38.7							90	26	37.83	1465	γ Virginis.
	38	12	13.39	March .		1000		-	44.6	4						94	16	54 78	1491	ô Virginis.
	-0	13	59.44	30.121	71.0	69.0			0.2	3		100	1			55	49	57.08	699	
			06.50	.121	71.0	69.1		4	35.7				1			134	55	39.03		β Aurigæ.
6.57			53.93			69.5		1	16.1	9		To take	1			72	07	06.87	797	β Canis Maj.
1000	10		52.67			-		1	10.1				1					05.61	797	
8.26			19.44	1		70.6		1	9.0	2		10.00	-					28.29		
			17.33 45.59	1		71.0		1	17.6			1	1					30.40 59.96		ν Argus. Sirius.
4000	0		32.33		70	70.0		-		3		1	1					21.66		The second secon
7.50			31.73		10.0	70.0	1		2.7	6		1250	1					22.26		# Argus It.
7 44	_0	02	23.60	30.128	70.4	169.4	1		0.0	-		1 100	1					24.20		σ Argus R.
7.44			23.13						8.9	0		1						24.67		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.		rection			luded	Jo
and	No. A.S.C.	or	1	A	В	c	D	E	F		Time by		Time.			ding lircle.	Initials of
Day.		PLANEI.	,		"	,	"	,	ø	h.	r. m. s.	,	,	0		, ,	140
¥ 23 Feb.	100	B Octantis SP									40.40			269	34	32.77	T.M
	1060	γ Cancri				26.5								22		50.67	
	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	10000						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
	- S. S. S.	7 0				55.7								- CONTRACTOR -		20.74	
		0_				2.3								0.000		26.88	100
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			50.35	
		* (b)	45	58.5	54.0	5.0	43.2	48.1	29.8		05 000					29.50	
	2018	\$ S.L. M									25.808	-3	50.5	4 21	42	32.96	T.M
25 Feb.		β Canis Maj. M.R.				17.1					19.441	+	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										54.75	
	869					54.8					19.873		+2.0			31.96	1000
3.9	869	ε Canis Majoris	15000			32.1					10 000			- T L C C C C C C		41.24	
	915 915	η Canis Maj. M.R. η Canis Majoris	7			37.2 27.0					19.382	1	-21.8	3 141		36.05 37.11	The second second second
	310	B Octantis SP				46.3				7	43 10					33.39	-
	1060	y Cancri				23.0								22		47.63	
		* (b)				5.9								21		29.48	
937	1150	8 N.L. M	::-	::::							21.382	-	-58.5			30.90	
	1152					32.0 5.1								0.0000		41.60	
	1219	λ Ursæ Majoris				25.0										32.62	
		7 Octantis SP									00 15			268		7.68	
		χ Ursæ Majoris	33 .	53.9	55.3	13.7	13.8	58.8	3.4					48	34	22.37	T.M
413	1378	β Hyd. et Crat	59	57.8	10.2	0.2	7.2	9.9	58.7					327		3.11	T.M
	11473										16 45		FO F			55.12	
	1473	β Crucis	19	10.9	8 4	56.3 0.3	46.0	9.7	40.0		18.444	*	-59.5	301	12	19.29 55.66	T.M 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					44.3					18.770	+	46.4	11000		4.92	
	1533	Spica	40	55.7	17.2	46.0	28.3	9.4	18.8					349	41	9.22	T.M
⊙ 26 Feb.	699	α Columbæ	49	59.0	16.5	0.8	12.5	13.8	1.0		119			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		10.91			329	30	56.23	T.M
	1948	(d)									10,15			10			
		PARTY NAME OF THE PARTY NAME O									19-21						1 33 7
											The second						1
	1	And the last of th		4.7										100			1 19

⁽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-	A		t Zenith		The	rmome	eter.		11.	Microm.	11/20/20	Gar	. 0	P. D. of		NAME OF CO.
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.		Cen		No.	NAME OF ST
,	0	,	,	Inch.	0	0	0	1 11	, ,	r	, "	0	,	"		PLANET.
	-56	29	34.43	30.128	70.4	69.0		1 24.86				-0	27	02.54		BOctantis SP
	55	57	43.47	.120	70.6	70.0	9	1 23.03	14 16 18		100	112	03	03.25	1060	y Cancri.
			21.53		70.8	71.0		1 22.07	0.00			1000		40.35		*(b)
			31.62		70.5	70.0		1 21.74	9.95		6.24	111	40	33.92	1152	d Main
			33.77 49.25		69.8			012.80				18	41	00.19		
8.06			47.54	.110	00.0	00.0		7.31		0.000	11113			01.90		
	-57	39	59.23	.105	69.8	66.4		1 29.12	PARTITION	1000			77.7	31.60		7 Octantis SP.
			15.74		69.6			6 44.26						56.75	1370	
			10.58	0.000	69.2			1 26.16						39.99		o Octantis SP.
			01.61	.086	69.4	00.2		37.23 44.49				10.000		35.59 54.78		γ Virginis. δ Virginis.
			19.68	.081					27 39.45		15 14.51			23.92		D D
				30.078				24.73			10 11.01			22.90	1533	
	55	57	43.15	30.057	71 9	69 0		1 22.99	600000			119	03	02.89	1070	
194			22.30		71.0			1 22.20		Policy		100	-	41.28	10,0	*(b)
			25.76					1 21.99	9.91		6.20			40.79		8
	16	02	53.80	30.041	71.1	66.5						72	07	06.79	797	β Canis Maj.
6.59			52.58					16.24				1000		05.57	797	β Canis Major
26	-9	07	19.43					9.06				46	56	28.26	829	v Argus.
6.71			48.54	.049	70.8			17.72						03.01	838	
			47.55	046	70.5	ee A			A STATE OF			10000		02.02 37.11	838 869	Sirius. ε Canis Maj. I
6.60			34.04	.040	10.0	00.4		5.12	771171.09			No.		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 23.70	.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	0.17	***	40		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	
1			59.52	.040	69.9	66.0		1 28.99					2000	31.76		7 Octantis SP.
110			15.17 55.91					6 43.66	130 160	5.120	4 (10)			55.58 59.93	1378	χ Ursæ Majori β Hydr. et Cra
			12.08	The state of	1	1311		1 26.02	THE RES	NA TO			7000	41.35	1010	o Octantis SP.
		W W	20 00	.031	70.0	65.9		1 - 10 10 10 10 10 10 10 10 10 10 10 10 10							1473	β Crucis R.
7.48	-24	51	11.54	0 000		1000	-	26.22	RAILES.		1 1 6 8	31	12	18.99	1473	β Crucis.
	10	U-4	47.00		69.5	66.0		3 03.28							1492	12 Canum Ver
30.0			33.16			13 1	100	3 03.24			B Bally			33.15	1500	Companion.
7.07			02.28	Elilia				24.69	1900							Spica R. Spica.
				20.050	71 6	00.0		0.00		19 103						
	-0	13	59.95	30.058	/1.5	00.2		0.23				55	49	56.57	699	a Columbæ.
	3	26	49.03	30.081	72.0	76.0		3.34			981	59	30	49.12	2741	Fomalhaut.
R										She i						
			1333		1 3			A CHARLES							9	
			4311	1000										10000		

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.

Jo .
Initials of Observer.
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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	' "	/ //	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 58.5 0.2 1 23.5 1 22.6 1 22.8 8.8 1 34.6 26.1	9 9		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.
	-57 40 01.38 -23 18 32.51 -0 14 01.61 78 47 03.64	29.991 29.954 29.956	74.4 74.	74. 72.3 71.8		1 29.1 23.9 0.2 4 32.4	4 3 3			-1 37 33.74 32 45 00.30 55 49 54.91 134 55 32.82 73 30 03.87		 τ Octantis SP. a Pavonis. a Columbæ. β Aurigæ.
3.25 4.87 5.15	17 25 44.80 5 10 35.09 5 10 33.58	29.963	73.	68.6		17.5 5.0 2.8	8			73 29 59.14 61 14 36.92 61 14 35.41 53 11 21.90 53 11 20.96	838 869 869 903 903	Sirius. ε Canis Maj. ε Canis Majori π Argus R. π Argus.
8.25	55 57 40.26 55 53 01.90 55 47 58.08 -59 15 12.20 73 35 20.84 -57 39 57.47 -57 39 52.22	29.967 29.967 29.968	69.8 70.2 70.5	64. 63.4 62.4		1 23.3 1 23.3 1 23.0 1 34.8 3 10.0 1 29.8	0 5 9.6 8	6	6.05	112 03 00,40 111 58 21,95 111 53 14,27 -3 12 50,33 129 42 27,67 -1 37 30,22 -1 37 24,97		γ Cancri. *(d) \$ C Octantis SI
	55 57 39.01 -0 14 01.57 19 02 19.71 -1 54 05.54 -1 22 22.56	30.242 30.240 .238	69.8 69.8 69.5	62.2 62.1 62.		1 23.3 0.9 19.3 1.9	3 7 0			112 02 59.53 55 49 54.95 75 06 36.23 54 09 49.31 54 41 32.82	699 712 732 746	a Columbæ. μ ¹ Columbæ. β Columbæ. γ Columbæ.
5.17 4.54 5.29	16 02 52.06 17 25 47.65 17 25 45.48 5 10 33.58	.236	69. 69. 68.	61.8 62.		16.4	0			72 07 06.20 72 07 05.30 73 30 02.40 73 30 00.23 61 14 35.52	797 838 338 869	β Canis Major Sirius R. Sirius. ε Canis Maj.
5.48	7 47 27.58	.248	68. 69.	62.	5	1 18.4	2			61 14 34.86 63 52 42.76 47 01 23.42 47 01 13.14 -0 27 04.06	883 928 928	ε Canis Major δ Canis Major σ Argus R. σ Argus. Β Octantis Si
6.90	10 55 94 16	.248	68. 68. 67.5	60.8	5	13. 1 24.8 1 24.6 1 24.6 1 36.3	17 13 13 14 14	3	5.97	43 08 19.42 43 08 21.98 112 03 00.82 111 58 25.33 7111 56 27.12 -3 12 52.97 55 32 43.57	1003 1003 1060	y cancri. *(a) M. O Octantis SI
6.20	-0 14 00.60 78 47 06.37 -9 07 20.15 -9 07 19.44	.130	69.2 69.2 69.4	66.8	100	0.5 4 37.	06			55 49 55.92 134 55 40.18 46 56 27.52 46 56 28 23	735 829	β Aurigæ. ν 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	licroso	copes.			Micrometer		rrection			luded	Initials of
and	No.		or		A	В	C	D	E	F	or Time by Molyneux.		Microm. Time.			ding ircle.	slai
Day.	A.S.C.	-	PLANET.						-	1							E E
				,	"	"	"	"	"	"	r. h. m. s.	,	"	0	,	"	
3 March.	903		π Argus R	56	43.6	40.	34.1	55.	11.6	52.	1 6 16			148	56	39.21	T.N
o maici.	928		σ Argus M.R							23.1	19.653		+20.32			30.89	
	928	1	σ Argus	1	47.3	47.	55.4	33.3	44.5	23.1	1000			317		41.88	
			B Octantis SP	34	45.8	38.3	59.4	50.8	54.8	57.8		1				30.69	
	1003		γ ² Argus M.R	59	42.9	32.	30.	46.	14.9	49.9	20.285		-5.16			30.03	
Same.	1003		γ * Argus							23.4		15		313		43.27	T.N
	1060		γ Cancri			67.8			78.	19.7			25 00			46.54	
			* (a) M								26.998 27.710		35.93			41.89	T.N T.N
		115	7 Octantis SP	24	18.4	9.	30.1	24.2	27.2	31.2	10 59 00	-	04.00	268			T.M
			o Octantis SP								12 14 30	- 0		200		51.61	T.N
	1492		12 Canum Ven	8	37.1	81.3	7.4	25.	99.8	14.1				39	8	54.83	T.N
1000	1533		Spica M.R							51.4	19.442	1 . 9	+28.60			4.51	T.N
	1533		Spica	41	10.2	3.9	7.2	5.	5.1	2.		100		349	41	5.66	T.M
4 March.	699		α Columbæ			8.4				48.5				325		5.97	T.N
	1060		γ Cancri	1	30.0	73.1	57.6	40.	83.4	23.8		10.			-	51.14	T.M
			*(a) M								27.018						10000000
			& S.L. M	04					00 0	20.0	26.650	-4	-1.47				T.M
			σ Octantis SP								11 04 10 12 14 30		-1.47	THE REAL PROPERTY.		0.58	T.N T.N
	1463		M.R.			7.5					19.377	100	+31.22	5000000 P			T.N
	1463			12.2						19.1		133				36.16	
THE REAL PROPERTY.	1492		12 Canum Ven			80.1								39		54.66	
			Companion M								20.500		-14.08	39		40.58	T.N
ed 36 mg	1527		Centauri MR			19.2					20.440		-11.66	Part Contract			T.M
A SHA 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						36.34	T.M
	1000		* (a) M	10	01 0	14.0	01 5	15 0	20. 2	11 6	22.329	-1	27.85			8.49	T.M
			₹	40	21.9	14.9	21.5	15.6	20.3	11.5				340	40	17.29	1.00
7 March.		3.0	Capella			75.5					a Black	00.0		140000		51.24	100
20011			a Columbae	1000						50.2	+0.20			325		6.37	T.M
John Company		(c)	β Canis Maj. M.R.							50.8	19.220	1	+37.55	10000		12.37	T.M
	797 838		β Canis Majoris Sirius M. R							49.6 71.4	19.577	-	193 15	198		58.58 18.20	T.M.
	838		Sirius							41.9		1				50.96	T.M
	869		ε Canis Maj. M.R.							51.5		3				32.03	T.M
	869		ε Canis Majoris	14	44.4	40.8	48.	35.	42.9	27.7						39.95	
104 6		(d)	B Octantis SP	34	45.2	41.	57.	54.2	52.3	0.6	7 43 00					31.19	
	1003		γ ² Argus M.R							36.2			+3.67			29.19	
(10 H)	1003		γ º Argus							27.3		100		313		43.85	
100	1060		y Cancri	1	26.4	67.4	60.2	29.5	83.9	15.	04 070	0	46 46	22		46.90	
			₹ N.L. M								24.278 27.006		46 46 36 50			0.44	
	1114	(0)	λ Argus M.R	54	16.6	11.3	6.5	21 9	53 5	23.4	19.495			2 5 6 6 7 7		38.22	
	1114	1	λ Argus			33.8					10.400			10000		32.29	1000000
	1152	1	θ Ursæ Majoris							53.4	100 39 1821					34.53	
	1		C Octantis SP							20.3						51.39	-
	1219		λ Ursæ Majoris							106.6				1 000000		39.10	100
	1130	1	μ Ursæ Majoris							40.5				2000		24.11	100 000
	1270	1	7 Octantis SP								10 59 15			268		3.98	
		1000		10000										1 77 77			
	1370 1379	1000	χ Ursæ Majoris γ Ursæ Majoris		64.8	101.8	100.8	42.8	22.2	36.4 37.8	No. of London			28	34	17.71 18.06	ľ

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	200	The	rmome	eter.				Microm.			C	. 0	n n		
rent Zenith Point,	Appa	Dista	zenith	Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Parallax.	opposite		Semi- ameter.		Cen	P. D. of ter.	No. ASC	NAME OF STA
,	0	0		Inch.	· A	0	0	-	,	, ,	r	-	"	0	,	,		PLANET,
		**	00.05		20.0	00 0				100000		-		-				
and the same			25.05	30.128	09.2	66.6			2.84	2500						22.68	903	π Argus. σ Argus R.
6.39			23.96			00.0			9.02							23.77		
BERT			35.15	.131	68.4	66.0		1	25.39	Maria Land	-					03.79		BOctantis SP
6.65			24.19		68.5				13.00									γ 2 Argus R.
0.00	-12		22.57	100	00 0	0 0					1					21.18		
			40.70	.128	08.0	65.0		201	23.85 23.62							25.14	1060	γ Cancri. *(a) M.
			36.05	.127		64.5			23.65				5.9			41.08		* (a) M.
Maria Carlo			02.90			66.9			29.04			-				35.19		7 Octantis SP.
			14.23			66.2			26.12		1					43.60	100000	o Octantis SP.
			48.99			66.5		3	03.37							49.11		
5.09			59.82	30.060	68.5	67.5			24.66			1				22.74		Spica R. Spica.
1000	20	00	03.02	1000		1000					2,717			1"	7 -11	21.20	1000	Spica.
	-0	13	59.87							Markett Markett		1		5	5 49	56.65	699	a Columbæ.
353			45.30	· ·	land o	1			21.49		10	1		111	2 03	03.54	1060	y Cancri.
100				29.943	73.0	78.8			20.93			1				26.00		*(a) M.
			23.16 05.26			1000		1	20.95 26.60)	-	5.9			37.36		δ τ Octantis SP.
				29.892	71 6	71 8			24.65	1						35.11 45.62		o Octantis SP
4	2 4	OW	00 00	20.002	11.0	69.4		1			1000					10.29		
7.19	-14	07	29.68						14.09	3	100					12.98		
	73	04	48.82	29.986	71.0	68.6			02.09	1						47.66		
			34.74	20 000	1000	00 0		3	02.02		1-111	1				33.51		Companion.
5.16			47.99	29.980	71.0	08.0			1.88		130					08.24		
	55	54	30.50	30.165	71.0	67.8		1	23.31	9.2	7		5.8	0 11	1 59	47.09		8
	55	53	02.65	101.113-	1	PARI			23.24		1					22.64	94	* (a) M.
	20	44	11.45	30.215	72.0	73.7			21.20	1.8	9			7	6 48	27.51		Ŷ.
	79	40	45.40	30.197	71.5	66.4		5	01.07		10000	1		13	5 48	43.22	611	Capella.
			59.47		-			-			1223	-		1000		57.05		
5.48			53.47 52.74		870.5	65.0	1	-	16.37		1					06.59		
	17		47.64			64.8			2000							05.86		
4.58			45.12		1	1			17.86	1	1	-				59.73		Sirius.
5.99			33.81	.187	70.0	65.0		1	5.15	KIN H	1			6	1 14	35.71	869	
0.00	0		34.11	100	70	105 0	1	1		1	100	-				36.01		ε Canis Majori
	10	55	34.65 23.35	.187		64.8		1	23.73		1000	1				01.63		B Octantis SI
6.52			21.99		1	04.0	1	1	11.38		1	-		1000			The second second	γ Argus.
			41.06		69.5	64.2	2	1	24.14			-				01.95		
			54.60		1	64.0)		24.02		0		5.8			0.37		8
	0		04.56 32.38		69.0			1	23.93	18 81	1000	-		10.0	50.00	25.24		*(a) M.
5.26			33.55		09.0	1		-	8.87		1000	1						λ Argus R. λ Argus.
	10000		28.69		5		1	-			1000	-		1		12.00		θ Ursæ Majori
	-59	15	14.45	.181		1			35.48		1			1000		53.18	0.000	C Octantis Sl
			33.26			1	1		12.59		1			100		42.53	040000000000000000000000000000000000000	
			18.27 01.86		1	62 6			47.30			1		1000		02 35	The second second	The state of the s
	82	30	11.87	30.171	69.	63.6			29.89		1	1				34.93 55.93		τ Octantis SP. χ Ursæ Majori
			12.22		1	00.0	1	0	1, 10)					10	71	00.00	1379	

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.			Micrometer		rect		(luded	Jo .
and Day.	No. A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux.	for	Tin		3		ling ircle.	Initials of
			,		"	,			#	h. m. s.	,			0	,	,	
7 March	27	β Hydri SP								12 16 39						47.59	T.N
9 1	2110	ε Sagittarii					47.									53.54	T.M
	2398	(a) a Pavonis 9's center					11. 52.6									36.05 51.26	T.N
2018		y s center	12	02.	02.	02.1	02.0	33.	45.0					047	12	51.20	T.N
4 9 March		o Octantis SP. R								12 08 36				202	50	23.66	T.N
	1.001	o Octantis SP								12 14 33	1	40		The second second		49.35	T.N
- 37	1471	M.R.	18	11 0	0.8	25.8	24. 26.8	11	38.7	17.580	+1	43	.74	100000000000000000000000000000000000000		16.15 58.09	T.N T.N
00		(b) 12 Canum Ven					25.									51.71	T.N
73	1527	Centauri MR	59	12.9	7.5	51.4	24.7	40.4	21.1	20.160		-0	.32			54.43	T.N
	1527	Centauri	100				57.6				1					16.29	T.N
100		♀'s center	3	7.	0.4	3.4	3.2	4.8	56.9					348	03	02.33	T.M
10 March		O S.L. M	41	38.2	45.2	37.	44.3	41.3	36.3	24.477	-2	54	.45	355	38	46.17	T.N
		⊙ N.L			59.	51.9	60.							356	10	55.37	T.N
	699	a Columbæ		12.		18.1			47.							04.58	T.N
	712 735	μ Columbæ β Aurigæ	50	53 1	26.	29.	26. 40.2	53 1	19.							26.16 40.46	
11.00	838	Sirius M. R					35.8				+1	03	00.1			18.29	
1914 114	838	Sirius					51.									51.33	100000
777	869	ε Canis Maj. M.R.					71.1			19.087		+42	.96			32.30	70 (000000)
	869	ε Canis Majoris		46.9	37.7	51.0	28.9	43.8	25.7	00 071						39.21	T.N
37.61	903	(a) δ Canis Maj. M π Argus M.R	51	30 5	30.1	22.	29.6	11 6	40 9	20.071				2000		34.85	100000
10000	903	π Argus	11	39.1	34.	47.5	222.2	37.1	13.1	20.01		76				32.19	
	915	η Canis Majoris		37.3	35.1	42.9	26.3	38.2	18.8							33.05	
	928	(a) o Argus	1	45.8	8 45.	54.	5 29.	44.7	19.2			+1	.02			40.56	
1	1003	B Octantis SP γ² Argus M.R					53.1			7 45 00 20.437	,	-11	50	0.000		48.01	T.N
	1003	γ Argus					9 30.4					-				41.85	
	1060	y Cancri					9 39.				-			22	01	48.61	T.N
		(c) & S.L. M														03.94	
	1159	* (a) M (a) 0 Ursæ Majoris			1 60 6		9 3.9	74 7	56 (27.016	1					11.75	
	1102	C Octantis SP	48				4 4.9			9 57 30		-	.00			49.70	
	1219		39				58.6									30.60	
	-	7 Octantis SP								10 59 30				1000		03.16	THE RESIDENCE
	27	β Hydri SP (a) ♀'s center								12 16 37.		-	5			55.04 37.70	
1035	1		100			1880	0 000		1000	Auto Care							
12 March	1	(d) ⊙ N.L. M ⊙ S.L					4 27.1 8 53.4			22.195	-1	25	2.20	356		2.13	
	611						8 17.3									51.77	
	673	a Leporis M.R					680.				3	+5	9.99			02.87	T.1
	673						2 7.1							10000		09.37	1000000
	1060						57.3 8 34.8							100000		05.37 48.11	
	1000	γ Cancri † S.L. M	1	24.	2 72.0		0 04.0	04.4	10.7	28.15	3 -1	5 20	2.9			25.19	
	PRI I	* (a) M	1::							27.000						11.90	
		(e) 2's center					7 40.5			3	1					39.17	10000
	1000000	(e) Fomalhaut	30	60.	56.4	166.	8 50.5	59.	40.					329	30	55.35	
D 13 March	100	⊙ S.L. M					50.				2	-16	3.5			29.02	
	1	⊙ N.L	10.1	31.	4 44 5	133	1/4 1 4	21/15	121 /	VI.				13457	21	36.69	TH

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-		· Warnish		The	rmome	ter.			Microm.				0.1			
rent Zenith Point.	Apparent Dista		Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	dia	emi- neter.		Cent	P. D. of er.	No. ASC	OF PLANET.
"	0 /	"	Inch.	0	0	0	- 1 "	, ,,	r	,	"	0	,	11		PLANEI.
	-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	1.9	2			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	1.9	8			-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
4.81 5.76	30 6 -0 14 19 02 79 46 17 25 17 25 5 10 5 10	49.53 01.26 20.32 34.62 47.55 45.49 33.54 33.37 29.01	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	4.3		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	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	66.3 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	8.9	18		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 γ² Argus R. γ² Argus. γ Cancri. δ *(α) M. θ Ursæ Majoris C Octantis SP. λ Ursæ Majoris τ Octantis SP.
6.12	22 24 30 53 30 21 79 40 15 59 15 59 -0 14 55 57	31.86 56.29 43.53 45.93 02.97 03.53 00.47 42.27	.028 30.068 .069	70.5 71.2 71.0	69.0 72.6 68.0 67.8 67.5 67.2		23.15 33.42 32.71 4 58.85 16.14 0.23 1 23.37	2.0 4.4 4.3	3	16	6.20	78 86 86 135 72 72 55 112	29 42 49 03 03 49 03	49.74 15.86 15.86 41.53 15.86 16.42 56.05 02.39	611 673 673 699	a Leporis R. α Leporis. α Columbæ,
	55 53 23 16 3 26 30 45	19.35 06.06 33.33 49.51 22.71 30.38	.091 .091 30.137	70.5 72.0 72.0 72.2	80.8 81.2		1 22.37 1 23.18 23.68 3.31 32.68 33.37	2.0	18	16	6.00	111 79 59	58 21 30 5	35.13 25.99 51.68 49.57 53.76 50.05		*(a) M. Q Fomalhaut. O

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	pes.		100	Micrometer or Time by			tion rom.			luded	of of
and	No. A.S.C.	or		A	В	c	D	E	F	Molyneux.			me.			ling ircle.	Initials of Observer.
Day.		PLANET.	,		"	"	0		"	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						100000				325	50	5.86	T.M
	712	μ¹ Columbæ	6	32.6	25.5	30.8	25.2	28.8	18.	1000				345	6	26.68	T.M
	735	β Aurigæ		54.6							100					13.35	T.M
	838	Sirius M.R		12.1						19.847		+15	2.30	12000		17.94	T.M
	838	Sirius		54.4						1 20100						51.85	T.M
	869	ε Canis Maj. M.R.		26.						18.412	+1	1	0.18				T.M
	869	ε Canis Majoris		45.2						20 120						38.66	T.M
	903	# Argus M.R		53.						20.420	0.5	-11	0.81			41.12	T.M
100	915	π Argus η Canis Majoris		39.1				36.7						331		31.56	T.M
	928	σ Argus		46.9				40.2			111			317		38.64	T.M
	320	B Octantis SP						51.2		7 46 00							T.M
	1003	γº Argus M.R	59	34.	24 8	21.8	36.1	0 0	40	20.020		4		12000		32.24	T.M
	1003	γº Argus	8	51.	45.	52.3	32.7	41.	23.6				0.02	313			T.M
2,000		γ Cancri		27.1						100000				22			T.M
	1979	o N.L. M			17/2					29.571	-6	1	9.82				T.M
99.	2411	* (a) M								27.036						12.75	T.M
	1114	λ Argus M.R						47.4	17.4	19.282		+3	5.09	154	54	40.38	T.M
	1114	(a) λ Argus										+	1.52			33.13	T.M
	1152	θ Ursæ Majoris												52	13	46.04	T.M
A LONG		* Octantis SP														59.72	T.M
and by	1219	λ Ursæ Majoris														32.07	
	1230	μ Ursæ Majoris												100000			T.M
		7 Octantis SP	24	18.	4.	27.8	19.	25.	29.4	10 59 08				268	24	0.15	I.M
14 March		⊙ N.L. M	45	61.8	69.6	62.4	67.9	69.	59.9	21.390		-4	9.94	357	45	15.41	T.M
State Billion		⊙ S. L	13	5.	11.8	3.2	10.6	10.	2.	10.10)	1			357	13	6.44	T.M
174.00	528	Aldebaran	9	22.	60.1	46.4	34.	68.	17.7					16	9	40.92	T.M
1999	673	a Leporis		11.7						1790				342	3		T.M
	699	a Columbæ		13.				8.9						325		5.71	T.M
	746	γ Columbæ								1000				1000000		42.97	T.M
	831	ε Geminorum									108		1 01			50.47	T.M
THE REAL PROPERTY.	869	ε Canis Maj. M.R.										+4	1.91				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
		A CONTRACTOR OF THE PROPERTY O		60.2	1	la m	1	18.50	-		1			10000			10000
17 March		⊙ S. L. M ⊙ N.L	24	21.0 8.6	25.8	20.8	24.7	25.0	18.8	20.589	1	-1	7.63			5.00 12.53	T.M.
	869	z Canis Maj. M.R.	53	42.8	50 9	10 0	6 6	11 0	53 1	20.310		_	6 37	140	53	33.18	T.M
100	869	¿ Canis Majoris		44.						20.01			0.0.			39.11	T.M
	903	π Argus M.R		41.						18,646	+1	0	0.76			41.07	T.M
	903	π Argus		38.4							1	-	100000	100000		32.46	T.M
	The state of	B Octantis SP	34	49.6	37.3	62.8	50.1	55.2	59.5	7 50 48	1	-	0.45			31.54	T.N
	1230	μ Ursæ Majoris	15	5.9	48.	45,1	48.9	68.9	40.		1					22.75	T.N
	1 3 10	7 Octantis SP	24	22.9	4.5	36.	16.5	28.7	28.8	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						55.59	T.M
	2329	Altair	27	27.3	40.1	33.5	35.7	40.6	27.5		1					34.07	T.M
	2741	Fomalhaut	30	63.	59.	71.	53.	62.1	42.		1			329	30	58.26	T.M
	194	100000000000000000000000000000000000000	1		1			1020									
		The same of the same				1	1							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.					Microm.	Se	mi-	Geor	.S. 1	P. D. of	1	NAME OF STA
rent Zenith Point.	D	ista	ice.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction	Para	llax.	opposite Limb,	dian	neter.		Cent		No. ASC	or
	0	,	,	Inch.	0		0	1		,	"	r	,		0	,			PLANET.
	-							-		-			-						
5.98				30.103	73.1	76.9		1	15.88	0.0	HOT.	RESERVED IN					15.18	673	
		59	1.69		72 0	76.5		100	0.23	100000	No.						14.32 55.97	673	a Leporis.
	19		0 55 20.27	.104		75.5			19.19								36.21	712	μ¹ Columbæ.
- //			6.94			75.2		4	32.43								36.12	735	β Aurigæ.
4.90			48.47	.097		74.0		3	17.51	1878			120				02.73	838	Sirius R.
	11		45.44 34.58	102	73 0	74.5									61		59.70 36.38	838	Sirius. ε Canis Maj. I
5.25			32.25	.102	70.0	14.0			5.00								34.05	869	
6.34			34.71	.102	73.	74.2			2.80	1600		0)81/8			53	11	19.24		# Argus R.
0.04	-2		34.85	100		74.0				1900		9.1935					19.10	903	π Argus.
			26.86 27.77		73.	74.0			8.87			COLUMN					28.43	915 928	
			39.72		73.			1	24.01			200	.6				06.98	020	B Octantis SI
6.56			25.83	.102	73.	74.			12.79			a vill	300				18.13		
0.00	-12		25.53	100	70 F	70 5	131			100		Harris .					18.43		
			44.01 24.19	.102	12.5	73.5			22.40		8.76			5 50			03.16 28.76	1000	Y Cancri.
	55		6.34						22.10		00	1016	30	0.00			25.25		*(a) M.
6.76			33.97	.103		72.0		1.3	8.7	19,99		17.766	9						λ Argus R.
0	-8		33.28	100		70 0		100	0	19000		100000	200		47	13	14.76		λ Argus.
200	86 -59		39.63	.102		70.2 68.0		1	34.4	3					-3	12	44.42	1102	# Octantis S
			25.66			67.5		100	10.4				100				32.81	1219	λ Ursæ Majori
3111			16.93			67.2	1		45.2	24		0.915	ME		132	18	58.95		μ Ursæ Majori
	-57	40	6.26			66.8		1	29.0	3		10000			-1	37	38.54		7 Octantis SP.
	31	41	9.00	30.000	72.5	84.0			33.6	5	4.50				87	29	29.21		0
	31	09	0.03						32.9		4.43		16	5.70			31.02		0
	50			29.929				1	04.8				188				36 09	528	
		59		29.926 29.922		75.0			0.25								13.32 55.83	673	
	0.00		23.44	201022	10.0	72.2			1.3			100					31.98		y Columbæ.
			44.06			69.8		1	33.3	7		10.030			17000		14.18	831	
6.15			33.35	29.922	72.5	69.0		-	5.0	7			191		61		35.17	869 869	
	9	10	02.02	1		100		1					100		01	14	34.04	003	e Canis Majori
				30.220					35.5	8	4.53		186		88	16	51.11	la con	0
	3	26	50.95	30.363	67.2	65.8		1	3.5	2		19,1004	100		59	30	51.22	2741	Fomalhaut.
	39	10	58 50	30.357	67 9	66 9		1	36.1		4.58		100		99	40	31.78		0
			6.12		07.0	00.2	1	1	36.8		4.65		16	4.90			23.97		0
6.15	5	10	33.23	.320	67.0	60.3	3		5.2				100				35.20	869	ε Canis Maj.
	0		32.70			00 1		13	0.2			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.	60.0		1	26.9	6		1					05.08	300	BOctantis SF
	76	11	16.34	.324	66.0	59.0)	3	50.7	6					132	19	3.85		μ Ursæ Majori
		40				58.6			31.1				1				38.95		7 Octantis SP.
			10 82 27.66			58.3		2	21.1 52.9				1				35.25 17.40		β Hydri SP. Altair.
	-			30.312				1	3.4				1				52.02		
	1			1	1		1		912.3						1000	188		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

A. S.C. Or PLANET. A B C D E F Molynews Circles E E Molynews Circles E E Molynews Circles E E Molynews Circles E E E E Molynews Circles E E E E E Molynews Circles E E E E E E E E E	Month			NAME OF STAR	-	12	101	icrosc	opes.			Micrometer		rect		(luded	of or.
18 March						A	В	c	D	E	F								tials
18 March	Day.			PLANET.	,	,	-	"	-	-			-,	-	_	-	,	,	- E
Columbe			-			-		-	-			h. m. s.	-	-		-	-		-
673 Gapella	18 March			⊙ N.L. M								19.007		+46	.18	359	19	53.12	T.M
673																358	47	47.69	
Compage Comp												-	-100				44	49.17	T.M
734 734				The second secon								19.540	-	+24	.68				T.M
A chronis		1000			50	11.3	11.1	19.4	59.	10.8	48.1	10 050							T.M
Sirius M.R. 38 9, 12.6444, 23. 36, 11, 2 19.710 +17.83 128 38 19.83 51.64 17.1 34.2 29.5 33.953. 55.151. 55.441.6 40.8 29.5 29.5 39.53. 55.151. 55.441.6 40.8 29.5 29.5 39.5 35.5 151. 55.441.6 40.8 29.5 29.5 39.5 35.5 151. 55.4 41.6 40.8 29.5 29.5 41.6 41.4 44.4 39.8 21. 44.4 49.8 21. 44.4 49.8 21. 44.4 49.8 21. 44.4 49.8 21. 44.4 49.8 21. 44.4 49.8 21. 44.4 49.8 21. 44.4 49.9 21. 44.4 45.9 49. 44.4 45.9 48.2 41. 25. 54.8 24.2 28. 4 20. 4 2	- 44				40	21.0	40.1	33.5	9.8	49.2	10.	19.350	1	+32	.35				T.M
Sirius	H 1940					0.1	19 6	44	02.4	26	11 9	19 710		.17	00				
869 869 6 Canis Majoi, M.R. 53 37.9 42. 4 18.4 56. 8.344.6 8.344.6 8.344.6 8.344.6 903 33.1 43 33.3 65 1.3 1.4 1.4 39.8 50. 32.4 43.4 25. 331 1.4 39.33 1.3 1.3 39.8						53.9	53	55 1	51	55 A	41 6	19.710	1000	+17	.00				
Sep Far Canis Majoris 14 44.4 39.8 50. 32.4 43.4 25.	NY STATE			Canis Mai M.R.							2 2 2	3115	113			200000			The second second
903																			T.M
903	Thursday.	903	13									20.456		-12	.26				
928 σ Argus M.R. 6 6.2 0.253. 14.138.415.5 19.343 +32.63155 6 33.48 7.1 928 σ Argus 1 46. 45.455.431. 42.820.4 B Octantis SP. 34.44.536.459.548.653.255.3 7 46 00 1003 γ° Argus M.R. 59 25.015.611.628.857.733. 19.776 11.155.89 33.07 71. 1006 γ Argus M.R. 59 25.015.611.628.857.733. 19.776 11.151.89 33.07 71. 1130 γ Cancri					11	38.	35.5	45.9	23.9	36.4	12.7					323	11	32.13	T.M
B Octantis SP	and the			σ Argus M.R	6	6.2	0.2	53.	14.1	38.4	15.5	19.343	. 4	+32	.63	155			T.M
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	100	928			1	46.	45.4	55.4	31.	42.8	20.4		15.5						T.M
1003	124	1000												-					T.M
1060	100											19.776	1 3	+15	.17				T.M
1130						50.9	46.9	58.8	30.8	47.	20.2					1000000			T.M
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1000		γ Cancri	100											1000			
1130	- 1117				40	4.4	45.7	28.2	10.0	51.9	2.8	00 000		.0	00	-	-		
1197 1209 2320 2320	300011111111111111111111111111111111111	1130			00	8 5	40 3	21 0	00 6	56 A	6 2	20.080		+2	.90				
Tloop 2329 20 20 320 20 32 32 32 3			(0)	D N. I.															T.M
1209 2329 20 March		1197	(4)	π Leonis		26.	49.5	37 9	39	51 6	29.3	3000							T.M
2329 Altair M.R.		1209																	T.M
Altair 25 25 9 43 .6 34 .4 35 .7 43 .8 26 .9 352 3 16 .44 T.	9448	2329										18.650	+1	00	.58				T.M
O S.L. M. 11 33.6 49. 36.9 45.3 45.1 34.6 20.381 −9.20 359 11 31.75 T.Ω 359 43 34.53 T.Ω 45 44.2 26.8 20.4 28.2 42. 20.8 a Leporis M.R. 4 34.4 43. 10.2 57.8 7.8 41. 19.361 +31.91 130 5 3.47 T.Ω 45.4 45.4 59.92 T.Ω 45.4 59.92		2329		Altair													25	34.89	T.M
O N.L. 43 31.6 40. 31. 37.8 40.4 30.6 35.9 43 34.53 T.1		19		ç's center	3	19.8	16.5	17.2	17.	17.1	13.2	The state of				352	3	16.44	T.M
One of the image of the imag	19 March	See 19		⊙ 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
673 673 679 689 734 734 734 706 707 708 708 709 709 709 709 709 709 709 709 709 709		7200		⊙ N.L								0.30				359	43	34.53	T.M
673 699 734 734 734 734 1060 Cancri	100				44	44.2	26.8	20.4	28.2	42.	20.8	9.839							T.M
699 734 734 734 734 1060 Capacitan Str. Str. Str. Str. Str. Str. Str. Str.	1000					34.4	43.	10.2	57.8	7.8	41.	19.361	-	+31	.91				T.M
734 734 1060 a Orionis M.R. 46 31.9 19.2 5. 18. 1.9 18.6 19.608 y Cancri 1 26.7 73.8 54.8 40.6 81. 23. (b) δ N.L. 43 54.1 101.0 81.5 68.8 118.1 53. * (b) M 16.887 1197 1209 1303 2329 1303 2329 2329 2329 2329 243.2 28. y Cancri 1 26.7 73.8 54.8 40.6 81. 23. * (b) M 16.887 1 10.6 874.7 96. 58.8 1 16.887 1 17.9 18.6 19.608 +21.94 104 46 37.79 T.1 34.58 T.1 34.58 T.1 35. * (b) M 16.887 * (c) γ 's center. 57 38.6 63.1 47.4 52. 63.3 41. Altair M.R. 42 41. 25.5 17. 26.2 10.2 25. 19.903 Altair M.R. 42 41. 25. 51. 1					1000													4	T.M
734 1060 γ Cancri. 1 26.7 73.8 54.8 40.6 81. 23. (b) δ N.L. 43 54.1 101.0 81.5 68.8 118.1 53. * (b) M. π Leonis. 48 25.9 52.9 36.6 41. 56. 31. 1279 1303 2329 2329 2329 2329 Altair M.R. 42 41. 25.5 17. 26.2 10.2 25. 19.903 410.04 103 42 33.96 T.1 27.1 Altair M.R. 42 41. 25.5 17. 26.2 10.2 25. 19.903 410.04 103 42 33.96 T.1 20 March	4								1	4004				-					T.M
1060 (b) β N.L. 43 54.1 101.0 81.5 68.8 118.1 53.	CHIND S											19.608		+21	.94				T.M
(b) \$\frac{1}{3}\$ N.L \\ \(\pm \) \(\pm \) \(\pm \) N.L \\ \(\pm \) \(\pm \																			
* (b) M	1000																	4 4 4	
T.1			(0)		10000		101.0	01.0	00.0	110.1	00.	16 887	+9	11	60				T.M
Regulus		1197					52 0	36.6	41	56	31	10.007	120	**	.00				T.M
D N. L. 59 56.1 95. 76.8 74.7 96. 58.8		1209	1																
1279	11-56											100							T.M
20 March OS. L. 35 3.8 18.9 4.5 15. 15.7 6.0 COLUMBR. 50 11.6 9.8 18. 58.9 10.4 49.	4 3 0 11		1	k Leonis	1	56.4	94.	75.6	72.	96.1	57.						2	14.97	T.M
2329 Altair M.R					57	38.6	63.1	47.4	52.	63.3	41.	2012000							T.M
(c) § 's center 31 15.2 14.8 12.7 14.8 14.7 9.1 352 31 13.00 T.1 20 March ON.L. M 6 35.2 49.8 38.6 46.3 45.1 37.4 19.330 +33.15 0 7 15.42 T.1 OS.L 35 3.8 18.9 4.5 15. 15.7 6.0 359 35 10.27 T.1 a Columbæ 50 11.6 9.8 18. 58.9 10.4 49.				Altair M.R	42	41.	25.5	17.	26.2	10.2	25.	19.903		+10	.04				T.M
20 March ON.L. M 6 35.2 49.8 38.6 46.3 45.1 37.4 19.330 +33.15 0 7 15.42 T.1 OS.L 35 3.8 18.9 4.5 15. 15.7 6.0 a Columbæ 50 11.6 9.8 18. 58.9 10.4 49.				Altair	25	27.	44.6	34.9	36.7	44.3	28.6	11000							T.M
OS.L	1911		(c)	♀'s center	31	15.2	14.8	12.7	14.8	14.7	9.1					352	31	13.00	T.M
699 α Columbα 50 11.6 9.8 18. 58.9 10.4 49. 325 50 6.27 T.1	20 March			⊙ N.L. M	6	35.2	49.8	38.6	46.3	45.1	37.4	19.330		+33	.15				T.M
		- 111																	T.M
734 a Orionis 21 25 2 45 30 5 39 43 30 9 7 21 35 45 T.1																			T.M
2012 101 0010 101 0010		734		a Orionis	21	25.2	45.	30.5	39.	43.	30.9					7	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.

Sec. of appa- rent Apparent Ze			The	rmome	eter.				Microm.	9	iemi-	George	. e	P. D. of		NAME OF CO.
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refrac	tion.	Parallax.	opposite Limb.	dia	meter.	Geor	Cen		No.	NAME OF STA
,	0 1 11	Inch.	· AI			-	"	, ,	r	,	"	0	,	,	ASC	PLANET.
	00 15 4001		0= =	00.0		-		4.50			-	-	-			_
	33 15 46.91 32 43 41.28	30.311	67.5	69.6			7.13	4.70 4.63		16	4.70	89		11.19	2	0
	79 40 42.76	.248	68.0	65.0	35 7	5 2	2.46		Mark I			135		41.97	611	
	15 59 2.41		68.0				3.35					0.000		15.51	673	The state of the s
	-0 13 59.80		67.5			0).23							56.72	699	a Columbae.
5.36	41 17 28.45 41 17 26.35	.248	67.2	00.0	2	50	.20							15.40	734 734	
	17 25 46.58	.252	67.0	62.6										01.32	838	
5.69	17 25 45.13	1402				17	.99							59.87	838	TOTAL MARK
6.50	5 10 32.75	.258	67.0	62.8		5	. 19					61		34.69	869	
0.50	0 10 02.92		0	00 0								61		34.86	869	ε Canis Majoris
6.22	-2 52 33.89 -2 52 34.28	.258	67.0	63.0		2	88.5					53		19.98 19.59	903	The state of the s
	-9 2 27.07	264	67.0	62.5								1000	1 3 5 4	20.56	928	
6.89	-9 2 26.12					9	1.12							21.51		σ Argus.
1	-56 29 27.27					1 26	3.34		60 13			-0	26	56.76		B Octantis SP
7.73	-12 55 26.66	.264	66.8	62.5		13	.15							16.94		
	-12 55 24.03	007	67.0	63 0		1 24								19.57		
	55 57 41.94 55 42 18.42	.207	07.0	03.0			.20	8.39			5 90			$03,26 \\ 34.18$	1000	γ Cancri.
	55 42 15.52						.20				0.20			34.47		*(b) M.
	52 18 22.52	.268	66.5	64.0		1 13	.84		S. HE						1130	q Caneri.
	54 39 21.74							44 14.09	B. (1)	14	49.28	109	45	35.54		D
	42 44 32.01		00	0.0			.78							21.54		
0.00	46 40 36.47 42 21 30.75		66.5			1 00			1999					33.75 19.33		Regulus. Altair R.
5.28	42 21 28.48	.214	00.0	00.0		51	.83							17.06		Altair R.
	25 59 10.03	30.195	67.3	76.0		27	.17	2.28				82		31.67	-	\$
2000	33 7 25.34	30.181	68.0	77.4		36	.25	4.68		16	4.40	89	27	58.06		0
	33 39 28.12						.99	4.75		10	4.40	09		52.71		0
	79 40 53.51	.136	69.0			4 57	.42	The same				100000		47.68	611	Capella.
5.92	15 59 2.94 15 59 1.95			70.0		16	.12							15.81	673	a Leporis R. a Leporis.
933	-0 14 0.15	.136	68.5	69.5		0	.23							56.37	699	a Columba.
6.19	41 17 28.62			69.0			.46							14.83	734	a Orionis R.
0.19	41 17 28.17	340					1000							15.38	734	a Orionis.
	55 57 43.40		68.0				.08	0 20			F 00			03.23	1060	7 Cancri.
	55 40 12 60 55 42 24.29	.138		70.0			.18	8.32			5.20	100000		18.01 43.33		₹ (b) M.
	42 44 33.81	.132	68.0	68.0	5		.13								1197	π Leonis.
	46 40 42.03	.130	68.0	68.0		59	.80									Regulus.
	49 56 9.34	.128	68.0	68.5				11 43.43		14	54.36	105	4	35.27		D
	48 58 8 56	300	60 0	60 0		1 04		1000	13							k Leonis.
34-	40 53 44.22 42 21 32.45	.130	68.0				.77	1000						29.74		c Leonis. Altair R.
4.90	42 21 32.43	.004	00.0	37.0		51	.42							17.60		Altair A.
	26 27 6.59	30.031	68.8	86.0		27	.08	2.32						28.05		Q.
	34 3 9.01	30.001	69.8	89.0			.53	4.79		16	4.10			33.40		0
	33 31 3.86		70.6	78.3	1		.80	4.73		10	4.10	89	51	35.78	-	0
	-0 14 0.14						.23		13111					56.38		a Columbæ.
1000	41 17 29.04	29.997	10.6	19.0	1	48	.33	12				37	24	14.12	134	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	Conc	luded	Jo
and	No. A.S.C.	NAME OF STAR	A	В	С	D	E	F	or Time by Molyneux.	for Microm. or Time.		ding ircle.	Initials of
Day.		PLANET.	, ,,	"	"	"	"	11	7. h. m. s.	, ,,	0	, ,,	In
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	1 43.2 34 42.5	45.2	50.9	29.4	42.9	18.5				38.47	T.N
	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 T.M
-16	1114	*(c) L λ Argus M.R	54 16.9							-5 05.78 +33 68		30.44	T.M T.M
100	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	31.41	T.N T.N
1000	1147	a Hydræ	2 17.	15.2	15.3	15.3	17.9	12.2			352 2	54.87	T.N
11	1281	C Octantis SP η Argus MR	48 58.2 57 46.1	31.2	35.	39.9	23.				266 48 170 57	30.01	T.N T.N
	1281	η Argus τ Oct. SP. M.R	10 55. 44 10.2				270.00	40	[19.520	+25.49	203 44		T.N
10 100		τ Octantis SP	24 13.	1.1	27.	12.7	24.2	22.4	10 56 40 10 59 10	10.00)	268 23		T.N
15 15	1376	β Virginis	34 39.2 27 39.						19.429	+29.16	10 34 109 27	53.28 54.05	T.M
	1376		40 11.	26.4	12.9	20.6	23.6	14.4	(12 16 00			18.12	T.A
		o Oct. SP. M.R	50 22. 17 60.9			5.7	13373	0.8	19.530 12 17 00	+25.09	269 17		T.M
	2329 2329	Altair M.R	41 42. 25 27.1	27.6	19.1	26.9	13.	25.2		+1 06.43	103 42		T.M
		Q's center	59 24.						10.00		352 59		T.A
21 March		⊙ S. L. M ⊙ N. L	58 36.						19.897	+10.29		49.96 55.11	T.N
	673 673	a Leporis M.R	30 50.	47.6	24.1	59.8	16.	53.	19.599	+22.31	130 5	3.25	T.N
	699	a Columba	3 10.1 50 11.8	9.	19.4	56.4	11.9			15.05	325 50	6.04	T.N T.N
	734 734	a Orionis M.R	46 38. 21 25.	44.9	31.	37.	44.7	29.3	100			35.04	T.N T.N
	807 807	Canopus M. R	44 47.2 23 56.	51.5							164 44 307 23	46.66	T.M T.M
	838 838	Sirius M.R	38 34. 29 54.					35.2 42.	20.230	-3.15	128 38 343 29		T.M
		B Oct. SP. M.R B Octantis SP	35 49.3 34 45.1							-1 41,56	202 33 269 34		T.A
			27 39.	42.	34.2	43.5	37.5	37.5			353 27	38.70	T.N
22 March		(a) ⊙ N.L. M (b) ⊙ S.L	54 33.7 22 25.2						20.220	-2.74		35.05	
	699 734	a Columbae a Orionis M.R	10 12.3 45 16.	8.6	19.6	56.5	11.2	47.		+58.01	325 50 104 46		
	734	a Orionis	21 22.7	45.6	29.8	37.4	44.5	28.4	7.198		7 21	34.46	T.N
23 March 24 March		ç's center ⊙ S.L. M	23 44.8 9 46.4		73.33				20.358	-8.31	354 23	46.82	T.N
, we march	673	O N.L	41 41.3	57.7	40.2	56.	50.5	48.2		-33.16	1 41	48.80	T.N
	673	a Leporis		8.3	14.	7.2	12.	59.5			342 3	8.86	T.N
		a Columbæ (a) a Orionis M.R	50 12.6 46 52.3	39.1	31.5	32.2	29.	33.2	20.085		325 50 104 46	38.76	T.M
	734	α Orionis	21 21.8	44.	29.	35.	143.1	26.4			7 21	32.98	T.N

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

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

ec of appa-	Anna	mont	Zonith		The	rmome	eter.					Microm.	0.	mi-	Cana	S 1	P. D. of		NAME OF COL
Zenith Point.	Apparent Zenith Distance.		Barom.	Attuch.	Out.	Wet Bulb.	Ref	fracti	on.	Parallax.	opposite Limb.	diar	neter.		Cent	er.	No.	NAME OF STA	
"	0	,		Inch.	· A	0		-	,	-	, ,	r	,		0	,	,		PLANET.
7.74	-9	2 5	29.39	29.980	71.2	78.3			0	-	*1				47	01	18.59	928	σ Argus R.
7.14			27.94	20 050	~~ ~	70 4				77					47	01	20.04	928	σ Argus.
				29.976 29.970					22.								56.07 04.84	1060	B Octantis SP
	55	37 5	29.81	20.010		78.2			20.		8.23			5.10			43.75	1000	8
			24.03					1	20.	06							40.84		*(c) L.
6.78			35.74	29.962	71.2	78.5			8.	56					47	13	13.19	1114	λ Argus R. λ Argus.
- 10	05			29.957	71.0	77.0			26.	0.00							35.16		
5.13	25	58	8.97												10000		32.59	1147	
	-59	15	23.43	29.957	71.5	74.0		1	32.								59.57 07 41	1981	C Octantis SI
7.72	-24	53	20.98	20.001	11.0	1.0		10	25.	.74					31		10.03		
			9.84		70.5	71.0		1							-1	37	41.01		7 Octantis SP.
6.28			10.11				I A	1	27	.92		1			100		41.28		7 Octantis SP.
			46.87		1	70.5			54	.87	38 28.79		15	0.94		42			D
6.09			12.36	1	70.0	69.4			41	57			197				50.68		
0.00	36		11.71														50.03	100000	
7 00			20.81		69.0	66.0		1	25	.78					-0	43	49.84		o Octantis SP.
7.00	-00		19.63			000		1									48.66		o Octantis SP
3.67			34.35 28.86	29.960	69.0	69.0		-	51	.05							22.15 16.66		
				29.965	71.0	80.0			27	.87	2.3	5					36.07		Q
	20		10 55	00 005		04 0			20	F.C.			10		00	10	15.00		0
			48.70	29.967	11.0	04.5				.56			16	3.80	10000		15 89		0
6.16	15	59	3.16	29.952	72.4	77.0				.81					72	03	15.72	673	a Leporis R.
0.10	10	59	2.65	29.955	70 6	77 0		1		.22							15.21 56.16	7 200	
- 10	41			29.968				-					-				15.77		
5.49	41	17	98 63						48	.55					97	22	14.93	734	a Orionis.
7.90	-18	40	22.73 19.75	29.975	72.0	73.0)	-	18	.79		1030	1		37		15.23		The second secon
	17	40	19.10	29.981	1	100		-	1	-			1		1000		59.62		
5.92	17	25	44.36		1	100			17	.53		1	1		73	29	58.64	838	Sirius.
7.87				30.007	68.0	62.6	3	1	1 25	.58		1	1		11000		56.74		BOctantis SI
			$2499 \\ 32.29$	30.081	70.0	68.0		1	29	.20	2.3	9	1		10000		55.85		B Octantis Sl
	100			1000000		1	1	1	-				1		1000				
			28.64 23.98	30.080	70.6	71.9	9	-		.93			16	3.6			55.83		0
			0.55		71.0	69.5	2	-	38	.16	4.8	-	1		30		57.67		o a Columbæ.
5.68	41	17	29.52	.058		69.5			40	.31			1		97	22	15.58	734	a Orionis R.
0.00	41	17	28.05					1	43	.01	1.11	100	1		97	22	14.11	734	a Orionis.
	28	19	40.41	30.185	68.	8 69.	1		30	.40	2.4	5	1		84	24	5.11		9
	35			30.188	69.	8 69.	4	1		.62			16	3.0			11.30		0
	15		41.93		60	0 64.	2	-	40	.41	4.9	8	10	0.0	91		11.11		O Longria
6.62			2.49		09.	004.	9	1	16	.29		1					15.53		The state of the s
1	-0	13	59.61	30.159	2	65.	3	1					1		55	49	56.91	699	a Columbæ.
5.87			28.11			64.	3	1	49	.94			-				14.80		a Orionis
0,0	41	17	26.11	1	1			-	49	. 9					97	20	12.80	734	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 $=56^{\circ}.03'.56''.75$

Manth		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.		ding Circle.	Initials of
Day.	A.S.C.	PLANET.	-			-	-						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 44	28.46	T.
100000000	807	Canopus		50.8							307 23	46.61	T.
	838	Sirius M.R	NO. CO. POSICIONES	23.2					20.163	-0.40		21.27	T.
	838	Sirius		54.3					The second second			51.59	T.
	883	d Canis Maj. M.R.	16 52.6						20.295	-5.73		40.67	T.
	883	d Canis Majoris	51 36.2 6 35.4	34.2						. 3 30 00		33.52	T.
474, 4	915 915	η Canis Maj. M.R.	0 39.3						18.333	+1 13.37		40.35	T.
	313	η Canis Majoris (a) B Octantis SP	34 47.1						7 56 30	.1 25		34.13	T.
	2398	α Pavonis SP	35 49.6									25.51	T
	2000	A Octantis	1000 0000 00	100000000000000000000000000000000000000		1000	Sec. 16 / 10 / 10		8 34 10			43.92	T
		2 S. L		43.1						10 55 10		22.90	T
	1114	λ Argus M.R	53 21.			20.9			17.848	+1 32.93		43.12	T
La consti	1114	λ Argus	13 38.1	35.	54.6	11.9	41.9	3.2				30.72	T.
	1230	μ Ursæ Majoris	15 8.	51.4	38.8	0.7	62.2	53.				25.64	T
12.11.11		τ Octantis SP	24 17.8	4.	37.1	11.8	31.6	21.9	11 00 10		268 23	59.31	T.
	1370	χ Ursæ Majoris β Hyd. et Crat	34 6.6	49.	34.7	58.7	58.2	50.			48 34	22.74	T.
100	1378	β Hyd. et Crat	0 2.2	56.3	15.7	42.4	2.2	35.3			326 59	55.21	T.
	1329	Altair	25 25.	41.7	28.8	39.	38.8	30.			8 25	33.83	T.
		φ's center	53 35.	40.	30.9	41.5	34.8	35.2	7,000		354 53	36.38	T.
25 March		(b) ⊙ N.L. M	4 43.8	54.	41.9	53.	50.1	47.2	19.341	+32.71	2 5	20.58	T.
- 6		(c) ⊙ S. L	33 12.0								1 33	17.89	T.
	and the	B Octantis SP	34 49.						7 47 30			29.29	T.
	1003	γ ² Argus M.R	59 38.						19.946			33.82	T
	1003	γ ² Argus	8 51.1									41.27	T
	6	A Octantis	38 48.1							PER		31.79	T.
	2224	4 N. L	6 10.									28.93	T.
1000	1114	λ Argus M.R		65.						+1 32.09			T
	1152	λ Argus	13 37.4						200			29.81	T
	1219	θ Ursæ Majoris λ Ursæ Majoris	13 38.3 39 17.1									49.96	T
200	1230	μ Ursæ Majoris	15 10.			1700	64.1					27.89	T.
	1200	7 Octantis SP	24 14.	0.6		100 000	1000 MON		11 00 10	100000000000000000000000000000000000000		56.41	T
	1370	(d) X Ursæ Majoris		59.					00 10			29.93	T.
	1378	B Hydræ et Crat	TO THE MAN TO SELECT	58.5		1 200	100/100	200 00		-2.70		55.85	Page 1
	27	β Hydri SP							12 17 35.5			50.80	T.
270 1111	1492	12 Canum Ven	8 37.5						20.454	-12.18		55.40	T.
100		Companion										43.22	T.
	1527	Centauri MR	58 45.4	37.	26.	53.	13.6	51.	19.379	+31.18			
	1527	Centauri	9 7.9	7.4	23.8	48.2	15.	38.2			324 9	3.23	T.
	1562		21 13.						19.959			11.95	
	1562	Centauri	46 65.0	65.2	78.2	50.	69.8	4.2			327 47		T.
19/10	2741	α Piscis Australis	30 62.1	61.5	75.3	50.9	69.1	39.6	1111111			59.65	100
			51 33.	35.9	28.7	39.	31.1	32.				33.13	
		♀'s center (e)	22 30.2	30.6	25.4	39.4	32.9	30.8			355 22	32.31	T.
26 March		⊙ S.L. M	56 45.4						20.254	-4.11		49.47	
	000	⊙ N.L	28 45.1						10 040	10.00		51.48	
	673		4 29.1						18.946	+48.64	200E 12		
	673	a Leporis	3 11.						THE WAY		342 3		_
	699	a Columbæ	50 12.							112010	325 50	1 0000000000000000000000000000000000000	
	734	a Orionis	46 35.8						19.762	+15.73			T.
	734 2398	α Orionis α Pavonis	27 23.						8 13 14			37.12 50.61	T.
	*000	a rayonis	104 70.	44.	10.0	11.0	.0.1	00.0	0 10 14		201 04	10.00	

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-	Gara		P. D. of		W. M
rent Zenith Point.		ista		Barom.	Attach.	Out,	Wet. Bulb.	Refraction.	Para	llax.	opposite Limb.		meter.		Cent		No. ASC	OF PLANET.
,	0	,	n	Inch.		0	0	, "	,	"	r	,	n		,	"		T DANGE.
7 54	-18	40	21.59	30.153	69.0	63.8		19.25						1000000		15.91	807	
	17	40	20.26 45.60	.152		63.2			10							17.24 00.26	807 838	Canopus. Sirius R.
6.43	7		44.72 26.20	.153	67.5	63.2	[6]	17.91								59 38 30.75	838 883	Sirius. & Canis Maj. R
7.10	7	47	26 65 26 52			63.0		7.80	l la					63	51	31.20 28.20	883 915	& Canis Majoris
7.24	4	56	27.26					4.93						61	00	28 94	915	η Canis Majoris
	-88	28	38.93 41.36	.171		$62.9 \\ 62.8$		1 26.02								08.20	2398	
	-54 53		22.95 16.03	.180				1 19.69		1.45	19.202		19.1			14.11 46.20		A Octantis SP
6.92	-8	50	36.25 36.15	.171		100		8.89						47	13	11.61		λ Argus R.
			18.77	.156				3 47.71						100000	19			μ Ursæ Majoris
	-57 82		7.56 15 87			62.7		1 29 93 6 48.00						10000	37	0.62	1370	7 Octantis SP.
	0	55	48.34	100	C# 0			0.93						56	59	46.02	1378	B Hydr. et Cra
	28	49	26.96 29.51	30.121		63.9 73.4		51.82 30.74		2,49						15.53 54.51	1329	Altair.
	36	1	13.71	30.115	69.0	74.3		40.53		5.03		16	2.7	91		43.26		0
100			11.02 37.58	058	68 5	64.8		39.74		4.96		10	2.1	91		45.25		O B Octantis SF
7.55	-12	55	26.95	.058		64.6		13.01						43	08	16.79		y 2 Argus R.
20000	-12	25	25.60 35.08		69.0	66.0		1 18.87						1 43		18.14 02.80	1003	γ ² Argus. A Octantis.
	53		22.06 36.09	.061		66.8		1 14.87		1.45	21.141		19.9	5 109		12.28 11.87	1114	μ λ Argus R.
6.39	-8	50	37.06					8.79						47		10.90	1114	λ Argus.
	88	-	43.09 26.21	.062	68.5	65.2		4 12.23						133	43	35.19	1152 1219	
3 11			21 02 10.46	0.59	68.0	65.0		3 46.81						100 100	19	4.58		μ Ursæ Majoris τ Octantis SP.
	82	30	23.06	.053		68.0		6 42.41						138	41	2.22	1370	x Ursæ Majori
	0.00		48.98	.048		66.0	1	0.91	1		1			-11		46.64	27	β Hydri SP.
	73		48 53 36.35	.040		63.8		3 4.15			100			129		49.43 37.25	1492	12 Canum Ver Companion.
5.75	-1	55	1.39	.034		64.0		1.90						54	08	53.46		Centauri R.
6.43	1		54.92	.026		63.4		1.70						57	46	51.21 53.37	1562	Centauri R.
0.40	1		54.04 52.78	,038	69.0	75.0		3.35						57	46	52.49 52.88	1562	L Centauri.
	26	47	26 26			77.5		27.91 30.99		3.11				82	51	47.81 50.66	-	Ş.
	1				lane.													\$
	36	24	44 61	30.010		1		39.79 40.58		5.07		16	2.4	92	13	16.53 14.47		0
6.56		59 59	3.05	29.982	71.0	75.8		15.86	9.		1					15.66 15.04		The second secon
	-0	14	0.31			70.0		0.22			1			55	49	56.22	699	a Columbæ.
7.25	41	17	30 25			73.0		48.83								15.08 15.83	734 734	a Orionis.
	I-88	29	16.26	29.986	169.5	66.5		1			1	1		1			2398	α Pavonis.

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

Month	-	NAME OF STAR		M	icrosco	pes.		100			Correction			luded	Jo
and	No. A.S.C.	or	A	В	C	D	E	F		ime by yneux.	for Microm.		read of C	ling ircle.	Initials of
Day.		PLANET.	1 0	" "	,	"	"	"	h.	y. m. s.	, ,	0		,	=
26 March		(a) o N.L. M	24 37	174 3	59. 7	53 9	74 3	49 9			-1 59.8	8 91	99	55 47	T.
20 March	27			2.2 57.3							-1 05.0			54.02	T.
27 March		(b) ⊙ S. L	20 12	2. 27.6	11.	24.5	21.	17.	0 5	25 40	-1.2	7 2	20	17.55	T.
28 March		σ Argus M.R		3.2 23.6						18.522	+1 05.7			34.54	r
	928	σ Argus		5.8 42.8								317		39.77	T.
		(d) E Argus M.R	35 43	3.8 35.9	19.1	52.	6.7	45.2		20.042	+4.4			38.17	T.
	991	(c) & Argus SP		5. 35.						-1 00	1 1000			33.00	
	1000	B Octantis SP γ° Argus M.R		3.5 25.							.0 =			28.94	T
	1003	y 2 Argus		1.9 41.						20.083	+2.7	313		34.96	-
17.00		(e) α Pavonis SP	25 20	0.8 57.	200 3	07 3	02.0	50 0	0	12 10	1000	237			1000
		(h) 2 N.L. M		0.5 80.						20.988	-33.7	10 PH 20 CO		26.37	T
A LOCAL CO.		* N.L	14 57	7.9 103.4	76 9	70 5	100.7	66	1	20.900	-33.7	D DOG STATE		20.59	1000
	1114	(d) λ Argus M.R		3.4 16.1						19.531	+95.0			43.58	T
		(c) λ Argus		7.0 34.					1	10.001	720.0	-		29.67	T
and the same		(c) θ Ursæ Majoris	13 26	6.8 65.	50.7	15 9	72.1	8			-1 4			37.94	
	1219	λ Ursæ Majoris		5. 58.										31.49	
	1230	μ Ursæ Majoris		5.7 51.				52.1			LOS CORD			25.01	T
	1200	- Octantis SP		6. 58.						00 17				56.57	_
	1370	χ Ursæ Majoris									1 368			22.02	
	1378	B Hydræ et Crat		1.2 56.								1 1 1 1 1 1 1 1 1		54.68	
All made	27	β Hydri SP	12 65	5.3 56.						17 32.5	5	1000000		50.43	-
31.10	1492	12 Canum Ven	8 37	7.888.					-			39		58.47	1000
		Companion								20.485	-13.4	3 39	8	45.04	T
	1527	(c) Centauri	9 9	9. 2.	9 22.1	45.8	10.6	38.2				324		01.03	T
	1542	d Centauri	26 39	2.2 21.				57.7				321	26	22.27	T
43.6	1550	ζ Virginis		5.2 49.		46.6	44.5	40.5				0	13	41.59	T
		(f) *		2. 33.								358	19	26.84	T
4100000		σ Octantis		5.9 7.						24 30	+11.3	9 270	46	13.19	T
	2039	h Sagittarii	14 17	7.4 19.	6 28.7	8.3	26.	58.2			1	332	14	15.96	T
	2079	γ 2 Sagittarii	34 57	7. 58.	3 71.8	45.4	65.8	.34						54.91	
		D N.L		0. 31.				9.8			1			28.53	
40000	2180	σ Sagittarii		4. 28.				3.5	1		The state of			23.76	
	2196	ζ Sagittarii						20.				329	53	40.76	
	2398	α Pavonis	45 51	1.3 46.	171.7	12.	61.			13 5	1	1 PORCAGO		41.93	
	2741	Fomalhaut	31 1	1.9 2.	7 17.5						1 100	100000	31		
		ç's center	50 3	3.6 14.	0.	16.8	8.9	6.1				356	50	8.22	T
		AND NEW ME									-16.8	2 70	-	00 00	m
29 March		(g) 2 N.L. M	7 34	1.4 75.	48.	07.0	73.7	43.		20.574	-10.8			-	
	1223	d's center		1.695.4						10 921				6 20	TT
The state of the s	1223	Arg. in Velis M. R. Arg. in Velis		6.2 46.4						19.831	+13.1		41	6.32 9.84	Total Control
	1370	χ Ursæ Majoris		8. 48.							27350			22.63	
	1378	β Hydræ et Crat		0.2 55.							1 3000			54.01	
	27	β Hydri		7.2 51.4					10	17 21	1 11 11			48.61	T
	1492	Canum Ven		8.284.						11 01	10000	39		56.77	The same
	140%	Companion	0 00	04.0	04.1	07.4	- ·	21.4		20.470	-12.6			44.15	
3 13	1527	Centauri M.R	59 94	1.4 16.	1 4 1	31 0	59 1	30 I		20.290				10.49	
1	1527	Centauri		3.2 7.8						0.200	-0.0	324			
	1550	ζ Virginis	200000000000000000000000000000000000000	5.2 50.9		The second second								41.87	
	1562	Centauri		1.362.							1 11 11 11			59.82	
	1002	*	Table 1	7.8 20.				8 m in						13.20	

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		arent	Zenith	Barom.	The	rmome	eter.	P		P	11	Microm.		iemi-	Geor	s.S.	P. D. of		NAME OF STA
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Pa	rallax.	opposite Limb.	dia	meter.		Cent		No.	or PLANET.
"	0	,		Inch.	0	0	0	,	,	,	"	r	,	//	0	,	"		T MAINET.
				29.988 29.994							7.79	23.378		5.12			53.66 35.22	27	δ β Hydri SP.
				30.087			1000-1		41.13		5.06		16	2.20	1		45.70		0
				30.134		65.8									47		20.05	928	
7.16	-9	02	27.10 28.70			65.5			9.03						47	1	20.62 34.92	928	σ Argus.
5.59	9	28	26.13	.130		05.5	02.8		9.47						65	32	32.35		ξ Argus.
			37.93 28.09			65.4	62.7	1	25.45								6.63	1002	B Octantis Sl γ 2 Argus R.
7.48			26.87	11.7		05.4	9 11		13.02						43		15.64 16.86		γ - Argus R.
	-88	29	0.35		330000		63.0											2398	a Pavonis SP.
	53		19.50 13.72	.132	69.0	65.5	63.0		15.28		7.64	21.941 20.412		19.22			11.88		24
			36.71	.129	68.5	65.4		1	21.40		7.04	20.412		0.20	47	13	19.43	1114	δ Argus R.
6.63	-8	50	37.20				and the											1114	λ Argus.
			31.07 24.62	.125		65.0		4	10 20				100		122	42	99 55		θ Ursæ Major λ Ursæ Major
			18.14	.126		04.0	62.0	3	12.38 46.93								1.82		
			10.30			63.8	61.6	1	29.65						-1	37	43.20		7 Octantis SP
			15.15 47.81	.116		63.6	61.3	6	46.75								58.65		
			16.44	.092	68.0	63.0	61.5	2	0.93						10000		45.49 38.57	27	
100	73	4	51.60	.088		63.2			4.66										12 Canum Ve
100	73		38.17 55.84	006	00 0	00 5	01 5	3							- 100		39.58	1507	Companion.
			44.60	.086	68.0		61.5		1.91						54 51		49.00 7.55		
-			34.72	.085	68.0	63.8			38.55						90	14	10.02		
100			19.97 53.68	.083					35.88		2.03		21				50.57	n n	T σ Octantis.
			9.09	.054	08.0	09.5	09.0	1	22.47 6.19								40.60 12.03	2039	h Sagittarii.
			48.04			59.4			3.51						59	34	48.30		γº Sagittarii.
00			21.66 16.89	0.50		58.0			6.31	6	15.11		16	3.52			6.09	0100	D σ Sagittarii.
			33.89	.056		57.3 57.4			7.51			1000					21.15 34.48		ζ Sagittarii.
-	-23	18	24.94	.076	1	61.6			24.58			10361			32	45	7.23	2398	a Pavonis.
1643			53.25	.070	69.0	71.6	66.2		3.38		0.00	Parina					53.38	2741	Fomalhaut.
	30	40	1.35	30.062	09.0	76.0	08.0		33.03		2.62				80	50	28.51	100	Ô.
				30.044	70.0	66.3	65.2					21.514		18.96					4
	55	7	4.54	040	00 0	00 0	05.0	1	20.81		7.57				111	12	14.53	1000	S in Valie
8.08			59.45 57.03	.048	09.0	06.0	05.0		7.32								49.98 52.40		Arg. in Velis Arg. in Velis.
1300	83	30	15.76	.041	1	65.5	64.0	6	44.16		1						56.67		x Ursæ Majori
			47.14	044					0.92					1			44.81		B Hydr. et Cra
100	73		18.26 49 90	.044		65.4		3	3.69		7	1					39.52 50.34		β Hydri. Canum Venat.
	73	4	37.28	.000	0.0			3	3.69		18.81	1000			129	11	37.72		Companion.
6.83			3 62		68.5	65.0			1.90		W.S.	1000		BILL	54	8	51.23		Centauri R.
The Case			3 70 35.00	.040		64.9			38.41		16.5	The state of		1	54		51.15		¿ Centauri. ¿ Virginis.
1	1	42	52.95			1.0			1.70		303			0	57	46	51.40		i Centauri.
101			6.33	.037		64.6	00		35.92		2.05	1 .			88	27	36.95		*
-	3	26	53 88	30.081	70.0	73.0	68.5		3.37		and a	40000	1	4000	59	30	54.00	2741	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	licrose	opes.				crometer			tion			luded		Jo.
and	No.	07		A	В	C	D	E	F		Time by olyneux.		Mic Tir	rom.			ling ircle.		Initials of Observer.
Day.	A.S.C.	PLANET.	_																Init
			1	"	"			"	11	h.	m. s.	1		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	2	T.N
		B Octantis SP							1 46.4		47 40				269	34	26.4	8	T.N
	1003	γº Argus M.R							241.7		19.830		+13	3.19	158	59	34.1	4	T.M
	1003	γº Argus	10000		100000	1000	10000000		9.8								40.0		T.N
		A Octantis							5 49.0		34 20						29.3		T.N
	1114	4 S. L							58.3		70 040	1			19		10.7	-	T.N
	1114	λ Argus M.R λ Argus							0 19.0		19.049		+49	1.09	1000		44.4		T.A
	1152	θ Ursæ Majoris	10000		The state of the s		3 1 1 2 2 2 2 1 1 1		21.8								29.6 53.6		T.M
	1219	λ Ursæ Majoris							1 2.5								33.8		T.N
	1230	μ Ursæ Majoris	80000		1000	100000000000000000000000000000000000000			58.6						1000000		31.5		T.N
		7 Octantis SP									01 30		-(0.12	CONTRACTOR OF		55.1		T.N
	1370	χ Ursæ Majoris							1 53.4								25.9		T.N
	1378	β Hydræ et Crat	59	57.8	58.4	71.5	42.	63.9	32.1	1		-					53.9		T.N
	27	β Hydri SP	12	67.1	54.1	79.3	3 5.0	79.0	0 17.0	12	20 10		-	3.46	258	12	46.5	52	T.N
	1492	12 Canum Ven	8	39.3	86.4	66.5	38.0	93.9	27.2						39	8	58.1		T.N
		Companion									20.508				39		43.9		T.N
	1527	Centauri M.R							2 54.7		20.899		-25	9.93	1232		10.3		T.N
	1527	Centauri	9						7 36.4						324	9			T.N
	1542 1550	d Centauri							56.0						2000000		21.5		T.N
	1562	ζ Virginis				10000	100		41.0								42.1		T.N
	1579	i Centauri							$\frac{1}{38.0}$						327	200	0.0		T.M
	10.0	Companion	40	04.0	00.4	10.0	43.	2 / 1 . 1	00.1		20.233			2 07			57.9		T.N
		*	34	56 3	70.0	54	70.	63.	61.0		20.200			0.07	358				T.N
	1000	z Octantis									16 04				1005-190		52.9		T.N
	2741	Fomalhaut							2 45.1		100,000				100000000000000000000000000000000000000		0.5		T.A
		♀'s center							6 58.6						1000000		59.4		T.N
31 March	1	(a) ⊙ N.L. M	26	41.0	58.3	46.	7 53.	58.	7 44.0		21.892	-	1 10	0.26	4	25	39.4	18	T.N
	100	⊙ S. L	53	36.7	49.0	36.	6 44.	3 49.	9 34.9)					3	53	41.1	9	T.N
	699	a Columbæ							7 49.5		100				325	50	7.3	36	T.N
		B Octantis SP	34	43.0	36.1	57.9	9 46.	2 55.	0 54.0	7	48 05				100000		28.2		T.N
		A Octantis									38 30				10000		30.6		T.M
		(c) & S.L							0 12.3		17 701	1		- 20	21		26.6		T.A
	1114	λ Argus M.R λ Argus							5 24.5		17.791	+	1 36	0.19	100000		44.6		T.A
	1152	θ Ursæ Majoris	13	00.1	56 4	41.0	0 19.	5 11	5 54.0	5							28.9		T.N
	1219	λ Ursæ Majoris	39	19 3	2.1	56 8	3 3	19	7 55.8	3					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	2 13.	121.	1 23.0	11	00 23						55.5		T.N
	1370	χ Ursæ Majoris	34	9.7	50.2	43.3	3 52.6	5 7.0	0 44.8	3							24.1		T.N
	1378	β Hydræ et Crat	59	58.4	57.8	7.1	5 47.0	57.5	2 37.3	3					326	59	53.7	3	T.N
	27	β Hydri SP. M	12	44.0	32.3	52.7	47.	52.	58.8	{,	19.675 2 17 26		+15	9.16	258	12	46.8	89	T.N
	1443	u Centauri							31.9		11 20				700000		49.6		T.N
	1492	12 Canum Ven	8	37.5	24.0	14.	1 25.9	941.	7 15.6	1					39		56.0		T.N
	1505	Companion	***						45	1	20.510	_			39		41.5		T.N
	1527 1527	Centauri M.R							145.1		20.720	1	-27	2.99	147				T.N
	1542	d Centauri	9						9 43.4						1 CO 10 CO		21.5		T.N T.N
		(b) \(\zeta\) Virginis							38.2								41.1		T.N
	1562	¿ Centauri	47						344.0								59.5		T.N
	1580	h Centauri	1000						9.32.4								48.8		T.N
		Companion									20.532		11	5 41	The second		33.4		

 ⁽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 11	, ,	r	, ,	. / #		PLANET.
	-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		γº 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
744	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
1	-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.
mili	-1 55 3.50	063	70.0	65 9	64 0					54 8 51.35	1527	Centauri R.
6.16	-1 55 4.93	.000			0.210	1.90				54 8 49.92		Centauri.
	-4 37 44.90	.065	70.0	65.2		4.59				51 26 7.26	1542	
	34 9 35.32		70.0			38.42				90 14 10.49		
	1 42 53.21		70.0			1.70				57 46 51.66		
	1 44 54,13 1 44 51 06	.068	70.0	64.5		1.73			1 1 1 1 1	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			16 10 70	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		\$
	38 21 32.61	30.067	70.5	75.0	70.0	43.98	5.30		16 1.00	94 10 7.04	300	0
4	37 49 34.32 -0 13 59.51	19/05/				43.14	5.24			94 10 9.97	699	⊙ a Columbæ.
	-56 29 38.60	197	70.5	65.8	64.0	0.23				55 49 57.01 -0 27 7.24	099	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	CA 2						47 13 10.01		
	86 9 24.82 77 35 28.84		70.0			4 12.22				133 43 37.81		θ Ursæ Majori λ Ursæ Majori
	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 15 13	1 37 44.42		7 Octantis SP
	82 30 17.31		69.5			6 46.05		100				χ Ursæ Major
	0 55 46.86	100000	69.5	2000		0.92		2.00	10-60 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		
100	73 4 34.68			433	1	3 4.47		Diane.		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		54 8 49.38		Centauri.
	-4 37 45.37 34 9 34.27		69.0 69.0			4.61 38.58		YA YA	1	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	E 10 11	58 52 41.56	1580	h Centauri.
	2 48 26.60	-		1		2.80				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	conc	luded	Jo
Month and	No. A.S.C.	NAME OF STAR		A	В	c	D	E	F		me by	for Microm or Time.			ding ircle.	Initials of
Day.		PLANET.	-	"	-	-	-	"	. 11	_	r.	, ,	-	,		H
	_		-	/	-	100	-	50.0	10.5		m. s.		0.00			-
31 March		(a) ‡				46.0		103		1			358	42	50.01	T.1
ь 1 April		⊙ S.L. M ⊙ N.L				31.7					19.781	+14.88			52.40 49.73	T.1
	673	a Leporis				114.8						Bern.	342	3		T.1
	699	a Columbae				621.0						and the same	325		7.46	T.1
-154	734	a Orionis M.R				555.3					19.419	+29.48			36.85	T.I
annet !	734	a Orionis									17 15				35.94 27.44	T.1
Wall Co	1003	γº Argus M.R				35.1					20.312	-6.49			37.98	T.I
TO SERVICE	1003	γº Argus				449.8							313		39.16	T.
40000	1070	α Pisc. Naut	23	54.(51.	6 0.1	41.3	52.0	33.8			NEW PROPERTY.	1000000	23	48.43	T.
10141111		4 S.L				3 27.5						100000	19		21.70	T.
	1114	λ Argus M.R				$\frac{214.4}{440.8}$					19,578	+23.07			44.12	T.
	1114	λ Argus θ Ursæ Majoris	13	39 5	7 0	1 3.7	11 0	96 1	5 3				10000		29.71 44.47	T.I
The same		(b) λ Ursæ Majoris				1 59.6						-2.50			34.83	T.I
35.00	1230	μ Ursæ Majoris				251.8						2.0			29.80	T.1
		τ Octantis SP	24	12.0	0 58.0	322.4	13.2	19.7	23.6						54.54	T.1
14149	1370	χ Ursæ Majoris	34	9.	1 49.0	45.2	49.1	7.7	42.8			100000			23.40	T.I
	1378	β Hydræ et Crat				5.4					10.00	0.44	10000		53.33	T.I
1991	27 1492	β Hydri 12 Canum Ven	13			19.0					18. 27	-0.40	39		46.81 59.05	T.I
	1-134	Companion M	0	40.	20.			40.4	17.0		20.468	-12.83			46.22	T.
	1527	Centauri MR	58	46.	5 50 .9	928.5	5.4	21.2	57.2	1000	19.530				9.37	T.1
100	1527	¿ Centauri	9			1 14.5							324	9		T.
4400		(c) z Ursæ Majoris				71.9							1000		52,59	T.
	1550	Control	100000			7 12.3						A COLUMN TO A COLU	1000		42.79	T.I
	1562 1579	i Centauri	47	5	1 3	114.0	53.8	3.7	46.7			all the same	327		59.85	T.I
	1013	Companion M									20.239	-3.59	10000000		57.20	T.1
1000	100	* preceding	50	51.8	5 1.0	52.2	59.3	58.5	54.0						56.00	T.1
AB TITLE	Trans.	* sf								1 5	20.423		10000			T.1
0.00	0000	T	::-				100000				20.500		1000			T.I
		(d) α Pavonis				357.0						3500000	100000		43.78	T.1
91.0	21.41					33.5					4 660	+0.17 -3 1.91			1.17	T.1
A STATE OF THE PARTY OF THE PAR		Q's center				6.9						-0 1.01			11.61	T.I
	27	β Hydri									17 17		281	50	47.12	T.1
O O Annil	1973	CONIN	11	41 (344.8	55 0	EC 0	15 5		0 000	. 4 01		11	54 00	Tr.
⊙ 2 April		(f) ⊙ N.L. M (d) ⊙ S.L	39	47 8	8 6	148.2	2.8	1 5	54 0	1	20.050	+4.03			55.66	
The state of	11111	(-, 0 -,			0.	1314		1.0	2.0	1		-0.00		00	30.00	1
§ 5 April	10000	B Octantis SP	34	47.7	35.	7.5	42.0	58.3	51.2	7	18 0	13 700	269	34	29.87	T.1
	1003	γ Argus M.R	58	37.9	19.0	22.2	33.0	4.6	41.9		18.442	+1 8.89	1000		34.68	T.1
	1003	γ 2 Argus	8	51.0	42.0	2.9	19.2	49.0	12.8						39.44	T.I
	THE STATE OF	₹ N.L. M	38	36 8	371 (260.2 952.9	59 0	73 0	49 0	1			19		43.48 54.80	T.1
	1114	λº Argus M.R				30.0					8.400	+1 10.59	414	-		T.1
	1114	λº Argus	13	36.4	132.3	351.2	8.9	39.1	1.2		31100	10100	THE PERSON NAMED IN		28.13	T.1
	1152	θ Ursæ Majoris				32,7						The State of the S	52	13	22.20	T.I
		C Oct. SP. M.R	19	25.2	40.	21.0	34.8	9.2	5.8	[]	9.440		205	19	31.11	T.1
		C Octantis SP				10000	1000000				8 0				45.85	T.1
	1219	λ Ursæ Majoris									00	-0.11			30.72	

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-	Appe	Pont	Zenith	1	The	rmome	eter.			Microm.	Semi-	Geoc. S. P. D. of		NAME OF COL
rent Zenith Point.		Pista		Barom.	Attach.	Out.	Wet. Bulb.	Refraction.	Parallax.	opposite Limb.	diameter.	Center.	No. ASC	NAME OF STA
	0	,	"	Inch.	0	0	0	1 11	, ,,	r	, ,,	0 / //		PLANEI.
	32	38	43.14	30.115	69.0	61.8	62.0	36.57	2.0	7		88 43 14.39		*
				30.170	72.0	75.0	68.5	43.89			16 00.70	94 33 21.60		0
	1000	700	42.87	.121	71.0	72.5	67.0	44.73 16.03		4	10 00.70	94 33 18.31 72 03 15.58	673	O α Leporis.
1120	-0	13	59.40					0.23		X		55 49 57.12	699	a Columba.
6.40	41		30.01 29.08	.124	71.0	72.0	100	49.04				97 22 15.80 97 22 14.87	1 2 20 2	
	-56	29	39.42			66.8		1 25.29		1500		-0 27 07.96		BOctantis SP
8.57			31.12 27,70	.143	70.0	66.8	20.5	13.00	E STANTO			43 08 12.63 43 08 16.05		
			41.57			67.8		1.31				57 23 39.63	1070	a Pix. Naut.
Marine.			14.84			66.8		1 15.08	1.4	2 19.179	19.58	109 08 44.83	1114	4
6.92			37.26 37.15	.141	70.0	67.0	00.0	8.80				47 13 10.69 47 13 10.80	1114	λ Argus R.
			37.61			67.0		and the same					1152	θ Ursæ Majori
1000			27.97 22.94			66.3		4 10.81 3 46.02		18000		133 43 35.53 132 19 5.71	1219	λUrsæ Majoris μUrsæ Majori
			12.32			66.0		1 29.30			MARIE STATE	-1 37 44.87		7 Octantis SP
			16.54			66.0		6 45.10			13181	138 40 58 39	1370	
			46.47			66.3		0.83			10 11 20	56 59 44.05 -11 49 41.48		
	73	4	52.19			66.5		3 3.73				129 11 52.67	1492	12 Canum Ver
100	73		39.36 02.51	108	60 5	66.5		3 3.70		1000	6 6 1 29	129 11 39.81 54 08 52.35	1507	Companion.
5.96			04.31	.120	03.0	00.0		1.89	200	188	10 33 33	54 08 50.55	1527	Centauri R.
			45.73			66.5						222 242 200	1534	z Ursæ Majori
			35.93 52.99			66.5		38.39		1		90 14 11.07 57 46 51.43	1550	¿ Virginis.
	1	44	53.93			66.7		1.73	.000.0	1300		57 48 52.41	1579	k Centauri.
			50.34 49.14	112	CO 5	66.4		1.73 36.50			0 183	57 48 48.82 88 51 22.39	1579	
			38.12	.110	09.5	00.4		36.46				88 51 11.33		*
			35.02					36.46	2.0	8	0115	88 51 06.15		*
1111	100000		23.08 54.31			63.3		24.51 3.40				32 45 09.16 59 30 54.46	2398	a Pavonis. Fomalhaut.
			27.87	.097	71.0	72.8		34.72		7		87 55 55.87		§
			04.75			72.8		35.91	2.7		P 33 33	88 48 34.65		9
				30.097		1		54.31		100		11 49 42.70	27	β Hydri.
				30.093	70.0	73.0	68.0				0 10 10	94 56 23.65		0
	38	35	48.80					44.56	5.3	2	1 6 8	94 56 25.29		0
				30.098				1 26.17	CTODAY.			-0 27 06.41		B Octantis SI
7.06	-12	55	27.82 27.42	.101	69.0	60.0	58.8	13.14	100000	1	000	43 08 15.79		
10000			36.62	.107	66.5	58.5	57.1	1 19.85	1.4	021.119	19.54	43 08 16.19 109 08 32.28		γ e Argus.
	54	32	47.94	.107	66.5	58.2	57.0			620.410		110 37 52.94		8
6.43			37.86	.107	66.5	58.0		8.95		1	19375	47 13 09.94 47 13 09.07	1114	λº Argus R.
	10000		15.34	110	66 5	57.6					26 3	47 13 03.07		
117				1000		BARR		1000	16 10	THE L		2 10 04 00	1152	θ Ursæ Majoris
8.48			24.25 21.01	.107	00.0	57.3		1 36.50	Ball In	100		-3 13 04.00 -3 13 00.76		C Octantis SP C Octantis SF
			23.86	.109	64.0	57.2	56.5	4 15.75	1337	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

and Day. 5 April 12 13 13 15 23 24 27 6 April 66 77 78 8 8 8	550 2398 (2417 (2741 27 (673 699 712 732 838 869 (7 Octantis SP. χ Ursæ Majoris β Hydræ et Crat (a) β Hydri SP. ζ Virginis † (b) a Pavonis (c) a Indi Fomalhaut	15 24 34 59 13 13 36 45 9 31 51 13 43 3 50 6	17.5 01.8 57.8 08.5 33.0 47.0 52.8 27.0 04.1 07.4 34.8 11.0 12.1	2 3.7 8 41.9 5 56.3 2 56.9 0 47.0 0 61.2 5 51.4 0 22.0 1 05.2 4 49.6	2 21.7 0 34.8 2 49.0 4 12.8 0 40.8 2 16.6 6 28.5	11.2 52.0 40.2 7.1 44.2 59.1 18.8 59.0 55.0 1.4	30.0 50.0 02.0 21.0 42.4 58.8 2.8 27.8	22.0 44.1 30.6 18.5 36.4 49.2 13.0 50.8 42.0	12 1 20 1 20 5	13 01		Time.	42 268 48 325 258 0 0 302	15 23 34 59 12 13 36 45	25.93 59.62 15.61 52.76 50.76 39.28 54.27 45.15	T.M.T.M.T.M.T.M.T.M.T.M.T.M.T.M.T.M.T.M
Day. 5 April 12 13 13 15 23 24 27 6 April 66 67 77 88 88 89 10	230 370 378 27 550 2398 (4417 (741) 27 (673) 6699 7732 838 869		15 24 34 59 13 13 36 45 9 31 51 13 43 3 50 6	07.1 17.5 01.8 57.8 08.5 33.0 47.0 52.8 27.0 04.1 07.4	52.9 2 3.7 8 41.9 5 56.3 2 56.9 0 47.0 0 61.2 5 51.4 0 22.0 1 05.2 4 49.6 3 51.1	39.2 735.9 227.1 312.9 221.7 34.8 249.0 412.8 040.8 216.6 528.5	00.5 11.2 52.0 40.2 7.1 44.2 59.1 18.8 59.0 55.0	03.7 30.0 50.0 02.0 21.0 42.4 58.8 2.8 27.8 10.3	52.4 22.0 44.1 30.6 18.5 36.4 49.2 13.0 50.8 42.0	12 1 20 1 20 5	m. z. 17 26	.,	110	42 268 48 325 258 0 0 302	15 23 34 59 12 13 36 45	25.93 59.62 15.61 52.76 50.76 39.28 54.27 45.15	T.M T.M T.M T.M T.M
13 13 15 23 24 27 6 April 6 6 7 7 7 8 8 8 8	370 378 27 550 2398 2417 2741 27 673 699 712 732 838 869	7 Octantis SP χ Ursæ Majoris β Hydræ et Crat (a) β Hydri SP ζ Virginis τ (b) a Pavonis (c) a Indi Fomalhaut (d) β Hydri ⊙ S. L. M ⊙ N.L a Leporis a Columbæ μ Columbæ β Columbæ β Columbæ β Columbæ Sirius	15 24 34 59 13 13 36 45 9 31 51 13 43 3 50 6	07.1 17.5 01.8 57.8 08.5 33.0 47.0 52.8 27.0 04.1 07.4	2 3.7 8 41.9 5 56.3 2 56.9 0 47.0 0 61.2 5 51.4 0 22.0 1 05.2 4 49.6	7 35.9 2 27.1 3 12.9 2 21.7 0 34.8 2 49.0 4 12.8 0 40.8 2 16.6 6 28.5	00.5 11.2 52.0 40.2 7.1 44.2 59.1 18.8 59.0 55.0	03.7 30.0 50.0 02.0 21.0 42.4 58.8 2.8 27.8 10.3	52.4 22.0 44.1 30.6 18.5 36.4 49.2 13.0 50.8 42.0	12 1 20 1 20 5	17 26 13 01	10 10 10 10	110	268 48 325 258 0 0 302	23 34 59 12 13 36 45	25.93 59.62 15.61 52.76 50.76 39.28 54.27 45.15	T.M T.M T.M T.M
13 13 15 23 24 27 6 April 6 6 7 7 7 8 8 8 8	370 378 27 550 2398 2417 2741 27 673 699 712 732 838 869	7 Octantis SP χ Ursæ Majoris β Hydræ et Crat (a) β Hydri SP ζ Virginis τ (b) a Pavonis (c) a Indi Fomalhaut (d) β Hydri ⊙ S. L. M ⊙ N.L a Leporis a Columbæ μ Columbæ β Columbæ β Columbæ β Columbæ Sirius	24 34 59 13 36 45 9 31 51 13 43 3 50 6	17.5 01.8 57.8 08.5 33.0 47.0 52.8 27.0 04.1 07.4 34.8 11.0 12.1	2 3.7 8 41.9 5 56.3 2 56.9 0 47.0 0 61.2 5 51.4 0 22.0 1 05.2 4 49.6	7 35.9 2 27.1 3 12.9 2 21.7 0 34.8 2 49.0 4 12.8 0 40.8 2 16.6 6 28.5	11.2 52.0 40.2 7.1 44.2 59.1 18.8 59.0 55.0 1.4	30.0 50.0 02.0 21.0 42.4 58.8 2.8 27.8	22.0 44.1 30.6 18.5 36.4 49.2 13.0 50.8 42.0	12 1 20 1 20 5	13 01	1000		268 48 325 258 0 0 302	23 34 59 12 13 36 45	59.62 15.61 52.76 50.76 39.28 54.27 45.15	T.M T.M T.M T.M
13 15 23 24 27 6 April 6 6 7 7 8 8 8 8	378 27 (550) 2398 (2417 (2741) 27 (673 699 712 732 838 869 (X Ursæ Majoris β Hydræ et Crat β Hydræ et Crat (a) β Hydri SP z Virginis ‡ (b) a Pavonis (c) a Indi Fomalhaut (d) β Hydri ⊙ N.L. a Leporis a Columbæ μ Columbæ β Columbæ Sirius Sirius Sirius β Hydræ β Columbæ β Columbæ β Columbæ β Columbæ β Columbæ Sirius γ Hydræ	34 59 13 13 36 45 9 31 51 13 43 3 50 6	01.8 57.8 08.9 33.0 47.0 52.8 27.0 04.1 07.4 34.8 11.0	8 41.2 5 56.3 2 56.2 0 47.0 0 61.2 5 51.4 0 22.0 1 05.2 4 49.6	2 27.1 3 12.9 2 21.7 0 34.8 2 49.0 4 12.8 0 40.8 2 16.6 6 28.5	52.0 40.2 7.1 44.2 59.1 18.8 59.0 55.0 1.4	50.0 02.0 21.0 42.4 58.8 2.8 27.8 10.3	44.1 30.6 18.5 36.4 49.2 13.0 50.8 42.0	12 1 20 1 20 2	13 01	10 10 10	-1.9	48 325 258 0 0 302	34 59 12 13 36 45	15.61 52.76 50.76 39.28 54.27 45.15	T.M T.M T.M
13 15 23 24 27 6 April 6 6 7 7 8 8 8 8	378 27 (550) 398 (3417 (2741) 27 (673 699 712 732 838 869 (β Hydræ et Crat (a) β Hydri SP z Virginis ξ	59 13 13 36 45 9 31 51 13 43 3 50 6	57.8 08.9 33.0 47.0 52.8 27.0 04.1 07.4 34.8 11.0	5 56.3 2 56.3 0 47.0 0 61.2 5 51.4 0 22.0 1 05.2 4 49.6 8 51.1	3 12.9 2 21.7 0 34.8 2 49.0 4 12.8 0 40.8 2 16.6 6 28.5	40.2 7.1 44.2 59.1 18.8 59.0 55.0	02.0 21.0 42.4 58.8 2.8 27.8 10.3	30.6 18.5 36.4 49.2 13.0 50.8 42.0	12 1 20 1 20 5	13 01	100	-1.9	325 258 0 0 302	59 12 13 36 45	52.76 50.76 39.28 54.27 45.15	T.M T.M T.M
15 23 24 27 6 April 6 6 6 7 7 7 8 8 8	550 2398 (2417 (2741 27 (673 699 712 732 838 869 (z Vírginis	13 36 45 9 31 51 13 43 3 50 6	33.0 47.0 52.8 27.0 04.1 07.4 34.8 11.0 12.1	47.0 61.2 51.4 022.0 105.2 449.6 851.1	34.8 249.0 412.8 040.8 216.6 528.5	44.2 59.1 18.8 59.0 55.0	42.4 58.8 2.8 27.8 10.3	36.4 49.2 13.0 50.8 42.0	20 1	13 01	E CO	-1.9	302	13 36 45	39.28 54.27 45.15	T.M
23 24 27 6 April 6 6 7 7 8 8 8 8	2398 (2417 (2741 27 (673 699 712 732 838 869 (\$\frac{\frac}\firiginte\f{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{	36 45 9 31 51 13 43 3 50 6	47.0 52.3 27.0 04.1 07.4 34.8 11.0 12.1	61.2 551.4 022.0 105.2 449.6 551.1	49.0 412.8 40.8 216.6 28.5 136.1	59.1 18.8 59.0 55.0	58.8 2.8 27.8 10.3	49.2 13.0 50.8 42.0	20 1		123	-1.9	302	36 45	54.27 45.15	The second
24 27 6 April 6 6 7 7 8 8 8 8	2741 2741 27 (673 699 712 732 838 869 ((b) a Pavonis (c) a Indi Fomalhaut (d) β Hydri. ① S.L. M. ② N.L. a Leporis a Columbæ μ Columbæ β Columbæ Sirius	45 9 31 51 13 43 3 50 6	52.8 27.0 04.1 07.4 34.8 11.0 12.1	551.4 022.0 105.2 149.6 51.1 030.4	12.8 040.8 16.6 528.5	18.8 59.0 55.0 1.4	2.8 27.8 10.3	13.0 50.8 42.0	20 2			-1.9	302	45	45.15	
6 April 6 6 6 7 7 8 8 8 8 9 10	673 699 712 732 838 869	c) a Indi Fomalhaut d) β Hydri. S.L. M. N.L. a Leporis a Columbæ μ Columbæ β Columbæ Sirius	9 31 51 13 43 3 50 6	27.0 04.1 07.4 34.8 11.0 12.1	22.0 05.2 49.6 351.1 30.4	40.8 16.6 28.5 36.1	59.0 55.0 1.4	27.8 10.3	50.8 42.0	20 5		100	-1.9				T.M
6 April 6 6 6 7 7 8 8 8 8 8 9 10	673 699 712 732 838 869	(d) β Hydri ⊙ S.L. M ⊙ N.L a Leporis a Columbæ μ Columbæ β Columbæ Sirius	51 13 43 3 50 6	07.4 34.8 11.0 12.1	49.6 351.1 30.4	36.1	1.4							0010	0.000	16.28	T.M
6 April 6 6 6 7 7 8 8 8 8 8 9 10	673 699 712 732 838 869	⊙ S.L. M	13 43 3 50 6	34.8 11.0 12.1	51.1 30.4	36.1	130 778	13.2	W 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			100				02.10	T.M
66 67 77 77 88 88 88 910	699 712 732 838 869	Ο N.L a Leporis a Columbæ μ Columbæ β Columbæ Sirius	43 3 50 6	11.0	30.4		47 7	10000		0	18 53	7333	+0.8	8 281	50	49.38	T.M
6 7 7 8 8 8 8 8	699 712 732 838 869	a Leporis a Columbæ. μ Columbæ β Columbæ Sirius	3 50 6	12.1							23.597	-2	19.0			23.66	T.M
6 7 7 8 8 8 8 8	699 712 732 838 869	a Columbæ μ Columbæ β Columbæ Sirius	50 6		110 (19.41 09.18	T.M T.M
7 8 8 8 8 8 9 10	732 838 869	β Columbæ	6			25.1	1000000			_				10000000		07.74	T.M
8 8 8 8 9 10	838 869 (Sirius	10	32.1	30.0	31.8	29.3	28.8	19.0							28.36	T.M
8 8 9 10	869 (320.8										02.08	T.M
8 9 10		of county mante				55.1					20.160		0			49.91 34.96	T.M
9		c) ε Canis Majoris				52.2					20.100		-0.4			38.56	
10		B Octantis SP				01.8					47 10			269	34	26.18	T.M
	990	z Argus				340.4										15.26	
7 April	1003	γ Argus μ S. L				06.0								313	08	38.48 58.72	T.M
7 April	777	&'s center				37.9										42.12	T.M
7 April		Ĭ				1 15.5										21.30	
7 April	1	(f) \(\varphi \cdots	16	35.9	2 50.4	1 35.5	50.0	46.0	40.0				-1.6	0 1	16	41.09	T.M
		⊙ S. L. M	34	19.	37.5	23.0	33.3	34.5	25.3	1	20.902		-30.3	3 6	33	58.39	T.M
	000	⊙ N. L				3 45.5						90		7		54.26	
8	838	B Octantis SP				55.2										51.26 28.84	T.M T.M
9	990		27	22.	7 19.5	35.6	00.4	24.0	49.0							14.94	T.M
10	1003	γ ² Argus				163.7								313	08	39.69	T.M
100	17/1	A Octantis M	38	46.8	8 52.0	05.4	02.0	05.4	5.0		20.367		-8.7	5 271	38	29.83	T.M
10	1070	(f) α Pix. Naut			1 3 2 3 5 5	3 10000000	10000000	TO SHADO	1000	10	37 04			1000		49.23	T.M
		\$ S.L											10.			18.95	T.M
0.0	1114	λ Argus	13	36.8	8 32.6	6 44.7	16.7	32.9	8.5			11		317	13	28.37	T.M
	1219	λ Ursæ Majoris	39	15.4	1 0.0	53.1	0.6	15.0	51.9					43	39	32.24	T.M
12	1230	μ Ursæ Majoris τ Octantis SP	24	08.3	3 03	2 48.4	16 0	20 9	22 5	11	03 15	1				27.33 54.61	
13	1370	(g) χ Ursæ Majoris	33	61.6	641.0	096.3	43.0	59.0	35.4	-	-0 10			48	34	15.63	T.M
	1378	B Hydræ et Crat	59	55.0	0 58.9	2 64.5	47.8	55.0	35.8						59	52.25	T.M
-1 173	27	β Hydri SP. M	12	42.	0 33.1	1 49.0	49.2	48.3	59.0	112	19.587 17 29		+22.7	258	12	49.25	T.M
14	1433	u Centauri	51	57.	5 50 .9	961.7	40.6	47.8	32.7	(12	11 20			321	51	48.36	T.M
14	1527	¿ Centauri	9	06.0	0 04.8	8 14.0	53.2	04.1	43.0			1 2		100000		00.46	100.000
1 5 5	1542	d Centauri	1000			0 36.0	200000		1000000000					-		20.67	No.
	1550	¿ Virginis				0 39.9 955.8					22.719	-1	43.6	32 327	46	42.23 59.57	
			100		9 10 200		1	100000	100		21.771	-1	05.3	1 210	07	50.27	T.M
		(h) » Centauri M				267.9	10000	1000	10 8 10			-	+2.17	2			12772
13	1580	h Centauri				7 58.4						1				47.40 57.74	

 ⁽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 Zenit	h	The	rmome	eter.			Microm.	,	Semi-	Geoc. S. P. D. o	6	NAME OF STATE
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.		ameter.	Center.	No. ASC	or PLANET.
"	0 1 0	Inch.	0	0	•	, ,	' "	r	,	"	0 / //		
	76 11 19.00 -57 40 07.24 82 30 8.73 -0 04 14.16 -67 51 16.16 34 09 32.49 34 32 47.41 -23 18 21.77 -13 54 50.56 3 26 55.24	1 .108 5 .108 6 .108 0 .108 0 .108 2 .098 1 .093 1 .075 3 .074	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	3			-1 37 41.55 138 41 0.64 55 59 42.55 -11 49 40.86 90 14 08.55 90 37 21.96 32 45 10.00 42 08 51.86 59 30 55.42	1370 1378 27 1550 3 2398 2417 2 2741	r Octantis ŠP. χ Ursæ Majoris β Hydræ et Cr β Hydri SP. ζ Virginis. * a Pavonis. a Indi. Fomalhaut,
6.76	-44 13 17.48 40 07 16.88 40 39 12.56 15 59 02.32 -0 13 59.13 19 02 21.56 -1 54 04.78 17 25 43.06 5 10 31.99 5 10 31.70 -56 29 40.66 -12 55 28.38 53 02 51.86 54 29 35.26 33 25 14.44	30.031 29.967 29.967 29.970 39.970 29.979 29.982 30.015 0.020 30.034 0.038	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	5.49 5.59 1.4 7.0	0 19.260		17.9	11 49 44.4 96 27 54.7 96 27 52.5 72 03 15.0 55 49 57.4 75 06 37.4 54 09 50.1 73 29 57.4 61 14 33.7 61 14 33.5 -0 27 09.2 50 26 59.5 43 08 15.3 5109 08 20.5 110 34 44.6 89 29 46.9	3 2 673 699 4 712 732 3 838 869 3 869 1003 8 8 990 1003 8 2	O O a Leporis. a Columbæ. μ Columbæ. β Columbæ. Sirius. ε Canis Maj J. ε Canis Majori B Octantis SI z Argus.
	35 12 34.2: 40 29 51.5 41 01 47.4: 17 25 44.4: -56 29 38.0: -5 36 51.9: -12 55 27.1: -54 25 37.0	3 30.149 0 .133 2 .140 2 .138 7 .136	100	61.5 60.8 60.6	61.3	39.97 48.31 49.22 17.95 1 26.28 5.64 13.14	5.5 5.6	4	15	5 59.10	91 17 08.0 96 50 30.6 96 50 28.6 73 29 59.1 -0 27 07.5 50 26 59.1 43 08 16.4 1 36 59.7	5 7 0 838 5 9 990 4 1003	⊙ ⊙ Sirius. B Octantis S ∠Argus.
	1 19 42.3 54 24 12.0 -8 50 38.4 77 35 25.3 76 11 20.4 -57 40 12.2 82 30 8.7 0 55 45.3	9 .149 9 .151 8 .169 7 .169 5 .163 7 .163	66.5 66.5 66.0 66.0 66.0 66.0 66.0	60.5 60.5 60.5 60.6 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	3 19.891		5.2	57 23 52.4 3 110 29 27.0 47 13 09.3 133 43 36.6 132 19 6.2 -1 37 45.8 138 40 55.6 56 59 43.0	3 5 1114 3 1219 6 1230 4 5 1370	δ λ Argus. λ Ursæ Major μ Ursæ Major τ Octantis SP χ Ursæ Major
	-67 51 17.6 -4 12 18.5 -1 55 06.4 -4 37 46.1 34 09 35.3 1 42 52.7	0 .147 0 .143 9 .143 7 .143 1 .143	65.0 65.0 65.0 65.0 65.0 65.0	60.0 59.8 59.8 59.8 59.8	3333	2 19.98 4.22 1.92 4.65 38.93 1.75					-11 49 40.8 51 51 34.0 54 08 48.4 51 26 05.9 90 14 11.0 57 46 51.1	3 1433 3 1527 1 1542 5 1550 8 1562	 α Centauri. α Centauri. d Centauri. ζ Virginis. i Centauri.
	-6 56 16.5 2 48 40.5 33 32 50.8	4 .143	3 65.0 3 65.0 0 65.0	59.5	5	2.89 37.97	2	3				1 1580	ν Centauri. λ 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		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		11 00 10	394	26	10.16	T.N
, Apin	2741	Fomalhaut	31	05.	4.7	13.8	57.2	6.5	46.8			20 00 000		02.32	100000
		ç's center					27.8							24.61	T.N
The state of the s		ğ's center	55	59.4	172.6	61.7	68.0	71.3	61.9	10.00		2	56	05.72	T.N
8 April		(a) ① N.L. M					57.5				-34.65			22.83	
	000	⊙ S.L					30.5							28.63	
	673 699	a Leporis					8.3							09.48 8.51	
	712	μ¹ Columbæ					29.7					Ball 6 64		29.93	
3.	732	β Columbæ					56.2				A HOLE	0.00		03.07	100
	807	Canopus M. R					29.2				+3.47	164	44	28.27	T.N
	807	Canopus					37.3				1000000	100000		45.68	
14	838	Sirius M.R					2.9				+44.37			20.05	
1000	838 869	Sirius M P					50.2			1000 1000	.0 00			52.01 34.80	
	869	ε Canis Maj. M.R. ε Canis Majoris					33.0				+2.02			39.16	
9759	000	B Octantis SP					50.9				0.00			28.19	
and the	1003	γ 2 Argus M.R					43.5							36.35	
-175	1003	γ 2 Argus					32.9					313	08	38.98	
900		A Octantis					49.9				100000			31.94	-
		4 N.L					53.9				100000			04.26	
100	1114	δ N.L					49.0				1333			59.66	
	1152	θ Ursæ Majoris					0.6					1000		31.76	
	1102	C Octantis SP								9 59 30	-0.43			42.25	
	1219	λ Ursæ Majoris					57.2					43	39	31.05	
	1230	μ Ursæ Majoris					154.3							28.51	
	1050	τ Octantis SP								11 00 16	Congress on the	1000		54.57	100
	1370 1378	χ Ursæ Majoris β Hydræ et Crat					45.0				10000	- 2000		17.28 51.41	-
ALEKS OF	27	β Hydri SP								12 17 29	All of	The second		50.80	
	1492	12 Canum Ven					26.6					1000000		56.70	-
		Companion M								20.508	-14.4	30000		42.26	- Comp. Com.
-	1527	Centauri					52.6							00.35	
	1542	d Centauri	1000			1	10.5		100000					20.05	Acres (as
111111111111111111111111111111111111111	1562	(b) \(\zeta \) Virginis					3 44.4					10000000		41.41	100
	1002	<i>i</i> Centauri					552.6				-0.20			59.18 29.76	
7	0711		100			188	130	F885 6	F 30						4
⊙ 9 April	2741	Fomalhaut β Hydri					3 15.9				100	329	30	02.63	T.N
1990	21	♀'s center					46.5					201	45	51.99	TA
		& 's center					3 48.2							45.34	
10 Annil		⊙ S.L. M					47.1				-1 42.0			04.57	-
10 April		⊙ N.L					1.0				1 42.0			58.60	
The same	699	α Columbæ					2.5				0 89 E 00			09.09	
	734	α Orionis M.R	46	50.	8 36.	17.5	241.1	14.8	41.7	20.047	+4.18			37.74	T.N
	734	a Orionis					34.4					200000		36.15	
	807	Canopus	100000			100000	1 35.0	B 200 100 100			130000			46.68	
	838	Sirius	10000				150.2					2000		51.08	Color Inc.
	869	ε Canis Majoris χ S.L					35.4				1-11-			39.08	
	100	\$ S.L					7 20.1				- Willer			33.13	1000
	11114	(b) λ Argus					316.1				+1.00			28.55	

 ⁽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	D		Microm. for	9	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
		,	,	Inch.	0	0		, ,	,	"	r	,	"		0	,	"		PLANET
	-1	37	55.46	.140	65.0	59.4		1.64							54	25	58.41	1604	θ Centauri.
	3	26	55.46	30.168	65.0	63.0		3.44									55.65	2741	Fomalhaut.
	35	42	17.75	30.186	67.0	67.2	60.0	40.70		2.95		13			91	46	52.25	4	9
11/1/20	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	0.00		27.00	4000	49.00		5.58		10	00.	.00	31	13	00.74		0
0.71	100000000000000000000000000000000000000		02.62	1 1 1 1 1 1 1 1 1	67.0										72	03	15.71	673	
			58 35		66.5					133					55	49	58.17	699	a Columbae.
			23.07		66.2						00000				75	06	39.51	712	μ¹Columbæ.
	-1	54	03.79	1 1000000	66.2			1.89							04	09	51.07	732	
6.98	10	40	21.41	.100	66.0	01.0	30.7	19.35							37	02	15.99	807	
and it	17	AG	21.18 46.81	199	66.0	61 0	55 B								73	30	16.22 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					5.19									34.24	869	
			42.67	.213	65.5	60.0	56.0	1 26.62		100							12.54	-	B Octantis SI
7.67	-12	55	29.49	.215	65.5	60.0	55.0	13.20	430								14.06	1003	y2 Argus R.
7.07	-12	55	27.88	1	1				1								15.67	1003	γ Argus.
		-	34.92		65.5			1 20.28		alla							01.55		A Octantis.
			57.40		65.5			1 16.41			21.052						50.98		4
			52.80		65.0			1 20.02		6.86	20.383		4.	.70	110	23	58.01	1000	8
1633			38.07		65.0			8.95							47	13	09.73		λ Argus.
			24.90	10000000	65.0			1 20 54	-						9	10	04.40	1152	
	-09	10	24.61 24.19		$65.0 \\ 65.0$			1 36.54 4 15.89									04.40 36.83	1010	C Octantis SI λUrsæ Majoris
			21.65		65.0			3 50.06							132		8.46		
			12.29		65.0			1 30.92									46.46	1200	7 Octantis SP
1773			10.42		65.0			6 53.22			1000				138			1370	
			44.55		65.0			0.94									42.24		B Hydræ et C
37.76	-67	51	16.06	.241	65.0	58.0		2 20.97	. 11	M	The state				-11	49	40.25	27	β Hydri SP.
	73		49.84	.241	65.0	58.0		3 7.53	1.101			10					54.12	1492	
9 11	73		35.40					3 7.49									39.64		Companion.
100			06.51		64.5			1.93									48.31		
22.71			46.81		64.5			4.67									05.27		
3077	100000		34.55 52.32	100000000000000000000000000000000000000	$64.5 \\ 64.5$			39.13 1.73			000						10.43 50.80		
				30.235				38.41		2.14	1913				89	44	55.92	1002	*
-							61 0	1 1 1 1 1 1 1 1 1 1	1000		0.443				1 1 1 1 1			07.11	Famallant.
	1200			30.281	aw a		10000	3.40 54.79		1	1							200	Fomalhaut. β Hydri SP.
HA			14.87 37.15	260	67.0	73 9	63 0	41.83		3.02	Cole 1						47.09 12.71	27	P Hydri Sr.
				30.260						3.99							16.11		\$
11-11				30.246						5.66		100			07		36.43	-	0
Tilling.			51.29	00.240	00	10.7	30.2	50.72		5.72		15	58.	.30			34.74		0
			58.22	.191	68.5	69.0	100 19	0.23		0.12							58.30	699	The second
0.00	41		29.57		68.5			C TO STATE OF		161							15.89	734	
6.95			28 84					49.57	101	EII	1000	3					15.16	734	α Orionis.
MA IN	-18	40	20.63	.190	68.5	68.8	60.5	19.09		1000	4 18 14				37	23	17.03	807	Canopus.
Nº 11			43.77		68.5					MO	TANK I						58.26	200000	
			31.77		68.5			5.12		1	1		1	-			33.64	869	
			30.40					1 15.20			19.289				109		58.34		4
108			25.82					1 18.32		6.73	19.920		4.				38.80		8
	-8	OU	38.76	.175	67.0	00.0		8.84							41	UD	09.15	1114	λ Argus.

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			D	licros	copes.			Micrometer		Con	cluded	Jo.
and	No.	or		A	В	1 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		"	"	h. m. s.	1 11	0 1	" "	-
10 April	1152	θ Ursæ Majoris	12	21 (14	7 5 1	0 14 4	29.4	1 1			50 13	46 00	Ta
y to Apin	1102	C Octantis SP				0.000				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		No. of the last of			5 29.73	T.1
	The state of	7 Octantis SP. M.	23	42.	0 38.	4 56.	4 49.0	56.0	55.5	{11 00 00	1 +21 34	268 23	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					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.	5 27.	9 15.	7 30.4	1 42.4	19.2		10.01	2000	8 58.82	T.1
	1527	Companion M	1.0	06	0 02	015	0 40	4.9	10 0	20.490	-13.71		8 45.11	T.1
	1542	d Centauri						23.2					8 59.50 6 19.07	T.I
	1550	Z Virginis						43.0					3 40.80	T.1
	1562	i Centauri	1000			C FOR STATE		2 63.0					58.33	
	2222	*						3 42.2	1 10 10 10 10	1			9 38.29	T.1
	2398	α Pavonis M.R						25.8			-6,61		2 31.80	
	2398	α Pavonis	45	49.	0 54.	8 3.	7 27 .	9 56.1	19.2			302 4	5 45.46	
	2741	Fomalhaut	31	04.	7 5.	2 13.	0 57.	7.8	45.5		Manual Street	329 3	1 02.10	T.1
11 April	699	α Columbæ	50	12.	4 13.	3 20.	4 00.	6 12.3	48.9		1145	325 5	0 7.77	T.1
	734	(a) a Orionis M.R	46	30.	8 15.	0 2.	6 15.	4 58.0	16.9	19.520	+25.41	104 4	6 38.53	10000
	734	a Orionis						5 44.2					1 36.12	
	915	η Canis Maj. M.R.	7	16.	521.	2 56.	0 35.	0 46.6	24.9	19.486	+26.78	141 0	7 39.34	
	915	η Canis Majoris						1 38.0					0 33.92	T.
	1527	Centauri M.R						0 3.5			-13.10		9 11.96	
	1527	Centauri						6.2					9 00.49	
	1550	d Centauri						23.4				11/100	6 18.51	T.I
	1562	z Virginis						4 3.4					$\frac{3}{6} \frac{42.17}{58.02}$	T.I
	1002	*						8 3.4					6 58.62	
	1623	λ Bootis						1 35.4			The same		4 52.90	
		z Octantis								14 20 20	+1.40		3 47.53	
13 April	1492	12 Canum Ven	8	38.	0 27.	8 11.	0 33.	4 38.8	21.0			39 0	8 57.95	T.1
	1492	Companion M								20.508		39 0	8 43.55	
	1527	Centauri MR						0 11.0			+34.57		9 12.05	
	1542	d Centauri						9 23.9					6 18.59	
	1550	ζ Virginis						0 45.9			119.00		3 41.83	
	1604	θ Centauri M.R	21					646.0 657.2			120 01		1 42.79	
	1604	θ Centauri						0 14.2			+39.00		2 03.78 6 08.86	
	1623	λ Bootis						7 22.7			No. of the last		4 42.37	
	2741	Fomalhaut						0 16.3				1 - 2 - 2	1 04.15	
	27	β Hydri						0 22.0					1 52.25	T.
		♀'s center						2 45.6			1	4 4	3 41.88	T.1
2 14 April	100	⊙ N.L. M						4 75.0			-2 41.22		0 25.38	
	000	0 S.L						2 43.7			1	9 0	8 35.30	T.1
		(c) a Columbæ						0 20.7			+1.67	325 5	0 10.18	T.I
	734 734	a Orionis M.R						1 9.1			+1 25.87			
	1066	a Orionis δ Cancri M.R	21	-				$944.5 \\ 042.2$			+2 49.04		1 35.86	
	1066	d Cancri						8 13.9			72 49.04		4 18.98 3 55.25	
	-000	2 N. L						441.7					4 22.78	
	1	8 N.L			851.								7 29.75	

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		1976	ermome	eter.					Microm.	Q.	emi-	Georg	SI	P. D. of		NAME OF STA
rent lenith Point.		istan		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	,	"		A MAINELL
	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			1,000			133	43	37.30	1219	
16.16			22.42	.171	66.0	65.0	58.5	10				9			132		6.07	1230	μ Ursæ Majoris
			16.76			66.2		1	29.39			9.19.0					49.40		7 Octantis SP.
			24.10			66.2		0	12.05			2.200					33.90		β Hydr. et Cra
1			11.63	.159	66.0	61.8	57.0	0	48.87								57.25		χ Ursæ Majoris
			44.30 21.82	.157	65	61.8	57.0	0	0.93 19.66						0.00		41.98	100000	β Hydræ et Cra β Hydri SP.
100			51.51			61.2		3									44.73		12 Canum Ven
			37.80	.147	05.0	61.5		3									40.19		Companion.
			07.81	143	65 (61.2		-	1.92			3					47.02	No. of the last	Centauri.
			48.24			61.2		-	4.63						100000		03.88		
			33.49			61.2			38.83			1			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	.074	65.0	61.0			24.61			6 6 6			32	45	07.65	2398	a Pavonis R.
8.03	-23	18	21.85	No. of the last	1	A Comment									3.00		10.29		a Pavonis.
	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	18					55	49	56.98	699	
e 22			28.78			1		1	48.88								14.41	734	a Orionis R.
7.33	41	17	28.81					1	10.00	1,1					32		14,44		
6.63	4	56	27.97	29.998	68.0	67.8	61.0)	4.86				80		61		29.58		
0.00			26.61		-										61		28.22		
6.23				29.916	67.0	068.8		1	1.88				81		54		50.22		
0			06.82	20 010	0=	200		1	4.54						1000		48.05		
				29.916					38.02								03.41 09.63		
	04	49	50.71	29.916 29.915	67	0.800	54.6		1.69						57	46	49.15	1560	i Centauri.
	34	02	51 31	29.913	67	063.0	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				10000		13.97		λ Bootis.
	-53	30	19.78	29.911	67	061.8		1	16.53								20.44		z Octantis.
						SECTION STATE		3	7.20	12					1300		54.59	The same	
100			36.24	30.158	65.	0 57.5	'	3				1000							Companion.
			04.74	160	GE 1	58.3	,	10	1.93								49.08		
19			48.72			0 58.3			4.67			1			51		03.36		
	34		34.52			0 58.3			39.05			1					10.32		
	34	-	35.48	1 12 12 12 12 12 12 12 12 12 12 12 12 12		0 58.5			39.26		2.17				90		9.32		*
	1		56.47			0 57 .4		1				1.1	1		54	25	58.64	1604	θ Centauri R.
6.32	-1	37	58.45		1			1-5	1.64						54	25	56.66	1604	θ Centauri.
			35.06		65.	0 56.7	7	5	37.75				1		136	50	9.56	1623	λ Bootis.
			56.84		65.	0 66.3	61.5	2	3.41	1							57.00		
			15.06			568.8			54.76								46.93		β Hydri.
	38	39	34.57	30.107	67.	870.5	263.8	8	44.92		3.14				94	44	13.10	1	\$
				30.085	68.	0.72.0	64.6	6	53.25		5.87		15	57.2		25			0
			27.99		1				52.30		5.81		10	01.2	95	25			0
			57.13			0 68.8		1		1			1				59.39		
6.79				30.010	68.	0 68.	563.	0	49.31				1				15.65		
0	44.1		28.55		0-	0 00		1		100		1					14.61		
7.12				29.956	67.	0 63.0	0	1	14.18	3					-		59.26 58.87		
	02		47.94	29.95	60	060	0.61				1 20	21.084		19 6			7.15		
				29.95								20.408					24.56		\$

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	Correc	tion	Con	cluded	jo
Month	No. A.S.C.	NAME OF STAR	A	В	С	D	Е	F		me by	for Mic or Ti			ading Circle.	Initials of
Day.		PLANET.	, ,	"	,	,	,	"		r. n. s,	,	,	0	, ,	- 3
14 April		D N.L	27 50.1	32.5	2.8	09.2	31.0	56.5					22 2	8 10.0	4 T.M
1000000	1171	o Leonis	36 49.2										The state of the s	7 00.8	-
	1197	π Leonis	48 24.8											8 36.1	
	1219	λ Ursæ Majoris μ Ursæ Majoris	39 23.7 15 13.0			-		-					100000000000000000000000000000000000000	9 39.8 5 30.9	-
	1200	7 Octantis SP	24 08.8						11 0	2 50	(35		3 50.0	- man -
	1370	χ Ursæ Majoris			37.5									4 28.3	1000 00
1977	1378	β Hydræ et Crat	59 58.3								-3355			9 50.4	CEN 14
	1400	β Hydri SP	12 59.9						12 1	7 21	1000			2 43.9	C 1000 100
	1492	12 Čanum Ven Companion M	8 40.2	29.6	04.9	44.0	33.8	32.7	91	0.496	-13	01		9 00.4 8 46.5	1000 to
	1527	Centauri	9 06.5	00.5	23.8	40.0	13.6	32.0	4	0.490	-10	.31		8 59.0	FFF 10
1119	1542	d Centauri M.R	41 45.9	28.4	24.5	46.5	7.1	51.2	1	9.602	22	.14		1 55.6	8 T.M
	1542	d Centauri	26 26.0											6 19.1	
	1550 1562	ζ Virginis	13 35.1										1000	3 42.2	_
100	1002	i Centauri	47 02.8 28 46.2											6 57.8 8 51.7	
						10000			(1	9.370	-0	1.15	100 0		
1914	1000	z Octantis M.R	34 18.0		700000	00000000	200000	2000000	114	15 10	31	.50	199 3	4 26.5	
	2010	z Octantis	33 60.2						14 10	6 23				3 49.0	
	1646	γ Bootis	57 61.1	50.0	26.0	3.0	54.6	52.9			388		38 5	8 20.9	4 T.M
, 15 April	699 734	a Columbae	50 15.8 21 22.5										200000	0 08.4	Denn m
t 18 April	732	β Columbæ	10 10.1										324 1	0 3.4	2 T.N
,		(a) Canopus M. R	44 27.2						19	9.781	+14			4 26.0	1000 W
	807	Canopus	23 58.6	51.1	18.3	19.2	05.5	13.0			1		307 2	3 47.6	1 T.M
	838	Sirius M.R	38 22.9						19	9.916	+9			8 19.2	
	838 869	Sirius	29 52.9 53 32.1						10	020				9 50.9 3 33.6	Person Inc.
	869	ε Canis Majoris	14 45.8						1:	9.930	+0			4 39.6	1000 W
1973	883	¿ Canis Majoris	51 37.8											1 34.3	
011 01	903	π Argus	11 40.0							30 9				1 30.6	
	915	η Canis Majoris	0 38.5	34.1	49.2	19.7	43.6	12.7						0 32.9	
10.11	2398	B Octantis SP α Pavonis SP	34 46.1 35 64.4									_		$\frac{4}{5} \frac{28.0}{40.5}$	FREE THE
	2000	A Octantis	38 45.0							200				8 30.7	- 100 W
	2463	β Indi SP	17 49.4	14.2	48.4	44.0	42.4	06.8				_		7 23.9	- 1000 %
allow		& S.L	20 39.8	20.8	54.6	00.8	19.2	46.2						1 00.1	
70.00	1152	θ Ursæ Majoris C Octantis SP												3 28.9	
	1219	λ Ursæ Majoris	48 57.5 39 12.0											8 41.5	
	1230	μ Ursæ Majoris	15 02.0						10 0	04.0				5 22.4	
	2700	β Octantis SP	15 64.2	54.8	80.0	04.3	78.2	12.2				1		5 48.8	-
		(b) γ Tucanæ SP	21 42.4	09.9	42.1	40.0	37.0	01.4	11 08	8 51	-0	.45		1 19.1	
	1370	χ Ursæ Majoris	33 62.1	102.8	85.2	55.3	107.4	47.0	11 37	7 46				1 16.2	John W.
-	1378 1415	β Hydræ et Crat η Virginis	59 55.0 13 35.7	51 1	34 2	50.0	44.8	41 9	11 44	1 56				51.2 3 42.3	
	1110	D N. L	2 55.0							-				01.9	1 mm m 1
11.7	1465	γ Virginis	25 57.7											05.3	
		(c) & Virginis	16 06.8	28.1	10.0	26.8	23.0	14.0						17.9	
100	1527 1527		58 45.0						19	.229	+37			12.9	
	1021	Centauri	9 02.6	12.5 75	77 11	177. []	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23.8 . 75					324 U	58.6	7 T.M

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-		ont /	Zanish		The	rmome	eter.						Microm.					-	D. F.		
rent Zenith Point.	Di	stand	ce.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fractio	n.	Par	allax.	opposite Limb.			mi- neter.		Cent	P.D. of er.	No. ASC	NAME OF STA
	0	,		Inch.	V o			-	,	-	,	"	r	-		a	0	,	11		PLANET.
	56 9	4 0	0.73	29.951	66.0	63 2		1	25 (14	45	07.21		1.4	- 4	0 10	111	00	00.10		
				29.947					55.7		40	07.21		14	4	10.10			29.13 46.01	1171	D o Leonis.
	49 4	4 2	8.83	29.945	66.0	62.3	60.5		52.3				1000						17.96		
				29.943			00.0		11.8				0.036						41.07		
				29.943					46.4				The same						6.80		
				29.941			60.0		29.4				18,938						49.92	1200	7 Octantis SP
32.00	82 3	0 2	1.06	29.941	65.5	62.1			45.7	78									3.59	1370	x Ursae Majori
	0.5	5 4	3.18	29.941	65.5	62.1			0.9	91			Maria Line						40.84		
				29.958				2	19.1	10			9,6 8	0					45.72	27	B Hydri SP.
				29.953	66.0	60.5		3	4.8											1492	12 Canum Ver
	73 0				00.0			3	4.8										40.82		Companion.
				29.952					1.9	91			B. H. B.						46.55		
7.41				29,950	06.0	60.6			4.6	31											d Centauri R.
10000	-4 3			00 050	00 0	00 0	-0 -														d Centauri.
				29.950			59.5		38.6				111111111111111111111111111111111111111								ζ Virginis.
				29.950 29.950					38.8			2.17							48.90 17.86	1562	and the second s
		-							00.0	99		2.17	1.15				90	29	17.80		‡
	-533	0 1	9.25	29.957	65.0	60.0		1	16.9	00							2	32	20.60		z Octantis R.
7.81	-53 3	0 1	8.25						10.0								2	32	21.60		z Octantis.
				29.957	64.5	59.3		3	3.3	33				10			129		13.71	1646	
	-0 1	3 5	8.84	30.005	66.5	64.0			0.5	23			0.71	Va			55	49	57.68	699	a Columbæ.
	41 1	7 2	6.49	30.005	66.5	64.0	61.0		49.7	73			K +10				97	22	12.97	734	a Orionis.
120				30.328	65.2	62.3	55.5		1.9	1			8.20						51.76	732	β Columbæ,
	-18 4								19.4	10			0.000				37	23	17.82	807	Canopus R.
0.01	-18 4			.331	65.0	61.0	55.0		10.7	~			1.00						17.44	1 000000	
5.08	17 2			.334	65.0	60.5	55.0		18.1	III			D ALL S	10					02.13	838	
	17 2			240	65.0	00 0	-10										100000		59.29		
6.62			2.87 3.11	.040	05.0	00.0	04.0		5.5	24							0.00		34.86		ε Canis Maj.
	-7 4			345	65.0	50 0			7.9	22									35,10 20.95	809	ε Canis Majori δ Canis Majori
	-2 5			.350	65.0	58 5			2.9										17.97		# Argus.
. 7			6.42	.352	65.0	58.0	53.5		5.0										28.18		η Canis Majori
	-56 2				64.5				27.5								100000		09.24	010	B Octantis SI
	-88 2				64.0		14 19	1	1800	1										2398	
	-54 2			.361	64.0	57.1		1	21.0	18			NO NO.				1	36	59.94		A Octantis.
-	-86 4				64.0		53.0						No.							2463	β Indi SP.
	53 1				63.5		300		17.7	8		6.24	19.941			4.24	109	22	08.17	Marine Marine	8
	86				63.5		52.5		-								1986			1152	θ Ursæ Majoris
-	-59 1				63.0			1	37.5										05.73		C Octantis SP
	77 3				63.0		52.5		18.3	200			11 11 18								λ Ursæ Majoris
	76 1				63.0				52.2				Carl I				132				The second secon
	-63 4 -86 4				63.0 62.5		53 0	1	57.7	1			19 /19 11				1	40			β Octantis SP. γ Tucanæ SP.
	82 3				63.0		30.2	6	56.8	10							138	41		1370	
18 18 18			4.70		63.0		11111	,	0.9				HO I								B Hydræ et Cra
			5.86		63.0	0.000.00			39.5				TO THE								η Virginis.
	34 5				63.0						31 :	59.93	100	15	1	7.30			15.77		D
	33 2				62.5				38.3							11111				1465	γ Virginis.
			1.49		62.5				45.8				E TOTAL						54.06		d Virginis.
5.80	-1 5		6.43	.367	62.5	56.0			1.9	15			F. Hiller	-							Centauri R.
0.00			7.83	-		22							PATE N								Centauri.
	34	9 3	5.87	30.366	62.5	56.2			39.5	0			Date of the				90	14	12.12	1550	ζ Virginis.

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.			rele.	tials
Day.	12.0.0.	PLANET.	-			-	-	-			r.			-	-		国
	-		1-	"	"	"	"	//	"	h.	m. s.	,	"		1	"	-
18 April		*		36.1												43.34	
	2303	θ Cygni		19.2												34.80	
	2398	B Octantis a Pavonis M.R		35.0							5 50		+6 10	1		45.73 29.17	T.N
		(a) a Pavonis									3 00		+0.10			46.11	T.1
	2463	β Indi M.R	12	12.1	27.5	26.4	39.3	14.5	49.6	2	22.157	-1	27.00			00.54	T.I
	2463	β Indi									12 16					14.11	T.I
	2741	Fomalhaut MR	37	41.4							0.730 18 51		-23.35	329		8.90 5.22	T.P
19 April		B Octantis SP. M.	25			100 9					0.730		02 25	260	24	28.14	T.1
10 April	2321	δ Cygni		58.0							0.750		-20.00			17.49	T.1
		B Octantis		03.5							18 30			270	28	47.76	T.I
	2398	a Pavonis M.R		58.2							20.560					29.30	T.1
	2398	(c) a Pavonis		54.0		-			1				+1.75			46.80	T.I
20 April		⊙ S. L		47.0												35.03	T.I
	1624	D S.L		33.8								-				31.30 30.68	T.I
	1681	αº Libræ		02.1													
	2741	Fomalhaut	31	09.0	05.9	24.0	51.3	15.8	41.4							04.47	T.1
	27	β Hydri		11.9												53.89	
	000	φ's center	5	47.4		100			1000							58.93	T.1
21 April	673	a Leporis	3				08.2									10.67	T.I
		(d) Canopus		59.0			54.0						40 36	2000		10.57	T.1
	838	Sirius M.R	38				13.1				19.738					18.44	T.I
	838	Sirius		53.6	56.9	55.6	51.9	59.4	40.4					4		53.22	
	869 869	ε Canis Maj. M.R.									20.465		-12.66			32.65	
	009	ε Canis Majoris Β Octantis SP		43.5							18 44	100		The same of		40.53 24.36	10000
	990	ζ Argus									10 44					14.16	
	1070	a Pix. Naut	23	52.4	54.6	00.0	42.0	53.6	31.8							48.71	T.!
	1114	24 N. L		40.5									0.00	100000			100000
	1114	λ Argus M.R λ Argus		41.7							19.911		+9.08	The second		46.86 25.82	
		8 N.L		52.0												12.40	
	1152	θ Ursæ Majoris		15.2										52	13	30.26	T.1
	1000	C Oct. SP. M.R	19	02.8	28.6	08.2	13.8	01.4	37.9	1	58 43	1	+50.45	205	19	35.51	T.1
	- 11	C Octantis SP			P > 2 C C C C C	1 × × × ×					18.901 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				0.40			29.71	
		(e) 7 Oct. SP. M.R			100000	20000	\$20000000	1000000	100000	1	19.455		+28.08	203	44	24.25	T.1
	1	7 Octantis SP	10000		The same of	1000000	B100000000		1000000		00 31			10000		49.83	
	1370	(g) χ Ursæ Majoris	34	11.6	54.1	42.9	57.5	07.2	48.7					48	34	36.56	T.1
	1378	β Hydræ et Crat	59	54.6	56.2	04.0	45.0	56.4	33.5		LANG			326	59	51.16	T.1
	27	β Hydri SP B Octantis	12	54.0	51.0	72.0	3.8	72.1	00 0	12	17 27					45.42 38.23	
22 April		O N.L. M	1000			1	100000		18 7			,	15 21				
, as reprin	11111	⊙ S.L		31.9							22.018	-1	10.31			$33.58 \\ 43.41$	
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	rmome	eter.					Microm.			0		n P		
rent Zenith Point.		ista	Zenith ice.	Barom.	Attach.	Out.	Wet. Bulb.	Refi	raction.	Par	allax.	opposite Limb.	dia	Semi- imeter.		Cent	P. D. of er.	No. ASC	OF PLANET.
"	0	1	"	Inch.	0	0	0	,	"	,	11.	r	,	"	0	,	"		PLANEI.
	34	52	36.84	30.363	62.5	56.3			40.56		2.19						11.96		*
			28.30	.308	62.0	54.5	50.0	8	1.71									2303	θ Cygni.
	02	-	20.77				50.0		24.88						10000	-	11.10 08.99	2398	B Octantis. a Pavonis R.
7.64	-23		20.39	.003	02.0	10010	10.0		25.09								11.27	100000000000000000000000000000000000000	a Pavonis.
7.33	-25		54 04	.310	62.0	55.9	49.8		27.25			33988					35.46		β Indi R.
1000	2		52.39	30.310	63 0	59 5	55.0		~			0.7 7 0					37.11 57.83		β Indi. Fomalhaut R.
7.06			58.72	30.310	00.0	00.0	00.0	1	3.48						100000	7	58 95	1000000	Fomalhaut.
				30.201					26.43							27	8.05	2027	BOctantis SP
			10.99			59.0 59.0			36.46 23.57			0.99					44.20 14.44	2321	à Cygni. B Octantis.
0 05	02			30.085													09.25	2398	a Pavonis R.
8.05	-23		19.70						24.70						1000		12,35	2398	
				30.075		75.2		1 6	55.96		6.03			55.7 37.4			10.91 08.75		0
	100000000000000000000000000000000000000		24.80			54.0			23.32 22.62		13.56		15	37.4	77		43.55		D λ Virginis.
16.51	18	33	53.51	.113	61.0	52.8		100	19.53						74	38	09.79	1681	a 2 Libræ.
			57.97				62.5		3.42			BULL BULL					58.14		Fomalhaut.
	42		12.61 52.43			69.0	63.2	16	55.17		3.34				(4) (5) (5)		48.97 36.65		β Hydri.
	15	59	4.17	30.071					16.05			Les II	1		72	03	16.97	673	
			55.93	050	00 1	70.0	000 -		0.23			0.5310	100				00.59		
	17		18.75 48.06	.072	00.0	70.0	62.5		18.98			1113					19.02 02.47		Carlotte Control of Carlotte
5.83			46.72	.076	66.5	69.3	63.0		17.66		3				73	30	01.13	838	Sirius.
6.59			33.85	.076	66.5	269.8	64.5		5.09						200		35.69		
	1000		34.03 42.14	078	66 9	85 8	61.2	1	25.29			1 118			61		35.87 10.68		ε Canis Majori Β Octantis SI
	The second second		52.34		100.	00.0	1	1	5.56						50	26	58 85	990	ζ Argus.
	10000		42.21			62.8			1.35		1 00	21 040		17 0			40.28	1070	
	0		54.92 40.36	1111	65 (61.6	59.8	1	15.34		1.33	21.042		17.9			47.71 07.50	1114	λ Argus R.
6.34	-8	50	40.68		100.	01.0	100.0		8.89	1					47	13			λ Argus.
	52 86		5.90 23.76			061.0	59.4	1	15.57		6.07	20.360		4.2	2 109	1	7 93		δ θ Ursæ Majori
			29.01		1000		57.0	,	36.17				-		-3	13	08.43		C Octantis S.I
8.51	-59		25.00	.105			57.0	1 4	30.17			No P			-3	13	04.42		C Octantis SI
			36.79												1.		~1 wo	2651	
7.04	180		17.75	1 200	1000		56.2	1	30.78	3		A COS					51.78		7 Octantis S.P.
			16.67 29.66			0 59.0		6	53.01	1		N. Har			1000		50.70 19.42		τ Octantis SP.
	0	55	44.26	.105	63.0	0 55.5	54.5		0.9			1			56	59	41.96	1378	β Hydr. et Cra
			21.48 28,67	30.082	63.	0 58.0		2	20.24			P. C.	-				44.98 04.36		β Hydri SP. B Octantis.
	10000			30.075	66.	067.4	64.9	100	59.17		6.15	1			102		21.35		0
	45	51	36.51						58.09)	6.10		15	55.1	102	12	20.35		0
				30.215							0.00	10 000		10			06.70		B Octantis SI
			20.33	30.218	63.	5 58.3	56.5	1	16.03	3	5.90	19.288	5	17.4	108		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	icro	sco	pes.					licrometer		orrec		(one			of er.
and	No. A.S.C.	or		A	-	В	C		D	E		F		Time by Iolyneux.		Mic r Tin			reac			Initials of Observer.
Day.		PLANET.	,	,	-	"	-		,			"	-	r.		,	,	0	,	,,		70
24 April	1159	θ Ursæ Majoris	13	07.	85	5.0	31	.4	03.8	58	3	50.5	Г					52	13	24	.14	T.M
24 April	1102	C Oct. SP. M.R			90		18		14.0	1-33			5	20.238		-2	3.51	100				T.M
	423	C Octantis SP	1230		2018		1000			1330			ШG	9 58 48 0 00 40				1000				T.M
		(e) a Tucanæ SP	14	16.	0 4	7.8	18	.8	11.8	16	.9	32.3	110	0 09 48		-4	1.53	241				T.M
	2700								5.9 28.0					20.679		-21	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	3	11 00 17				338	03	30	.78	T.M
	1370 1378	χ Ursæ Majoris β Hydræ et Crat					12000		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		+31	1.10	147	59	14	.03	T.M
	1527 1550	ζ Virginis	1000		1000				37.5 50.0	10000			58					324			.39	T.M T.M
	1000	*							75.0									1	35	06	.06	T.M
		h N.L. of Ball	14	41.	0 4	4.9	43	.9	43.0	44	.2	33.5	5					346	14	41	.30	T.M
25 April		⊙ N.L. M ⊙ S. L							59.8 78.5					21.477		-53	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	3			-(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				100 2		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	5	19.576		+23	3.19	164				T.M
	807	Canopus							20.0					10 700				307	23	28	.25	T.M
		(b) Sirius M.R (c) Sirius							05.9 51.0					19.538		+24	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	42.8	3					140	53	34	.53	T.M
	869 928	(e) ε Canis Majoris σ Argus	100					-	27.2 20.0									331				T.M T.M
		B Octantis SP							45.9					7 48 10	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					9 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												1 00 20	19							T.M
27 April		β Hydræ et Crat							43.5									326				T.M
	27 44	β Hydri SP β¹ Tucanæ SP							30.5					2 17 24	18			1200000			.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	98 1	19		29.5	45	6	18 (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							55.4					19.601		+25	2.18	150				T.M
	1542	(h) d Centauri							10.5							+	3.50	321				
	1579	(g) k Centauri preced							60.1 51.8						-			1000000				T.M T.M
		THE SHEET AND		Mol	lyn	eux	fast	, ,	April	27	th,	165.										
(a)		ved at the 4th Wire.						1		((0)	Obs		ed at one		rval	beyo	nd the	e 5th	Wi	re.	
(b) (c)		ved on the Meridian. ved at the 5th Wire.									(g)	Fai		bservation.								

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		7	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	000	61 0	54 G	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	60 O	E1 0												44.09		Centauri.
	34		35.49 59.16	.220	02.0	0.10			39.68 41.76		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	ğ Tamanin
			5.07	.101					16.28									18.10	699	a Columba.
			28.22	50.057	00.0	00.0	33.4		49.67		1.0							14.64		a Orionis.
		200	TENOVOYS.																	
7.77	-18	40	40.39	30.198	65.0	62.5	58.5		19.34		19736						-	57.02	807	
-	-10	TU.	00.00								E E						-	58.76	807	The second second
6.41			36.53	.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							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.
V.			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	10.28	.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	10.00	30.220	0.0	00.7			01.70		1101									
	0	55	43.51	30.355					0.95						14					β Hydr. et Crat
			23.58	.358					22.43			8-11-11-1						49.26		β Hydri SP.
	-82		1.05	.360	02.5	04.5			38.58			-						42.88		β¹ Tucanæ SP. β² Tucanæ SP.
	-82 -82		36.49 42.26	la real	1023	1	1		38.30									18.04		β Tucanæ SP.
	73		52.75	.360	62 0	54 2		3	9.74		1					129	11	59.24		12 Canum Ven.
	73		37.99	.000				3	9.70		0.18	E WALL			1			42.44		Companion.
- 01			7.42	.360	62.0	54.3	-		1.96		1.10	4.11.04				54	08	47.37	1527	c Centauri R.
5.94	-1	55	9.34	200					1.90		1199	100			1					Centauri.
8.87			51.28	.360	62.0	54.6	1		4.73		100							00.74		d Centauri R.
0.01			47.34	200	00 0	=4 =					0.01	300			119				1542	d Centauri.
			51.29	.360					42.17		2.21	1000				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			Mic	rosco	pes.				rometer		ection	C	onel	uded	. of
Month	No.	NAME OF STAR	1	A	В	1	c	D	E	F		lyneux.		icrom.		read f Ci	ling rele.	Initials of Observer.
Day.	A.S.C.	PLANET.		1	B		-	D	E	1	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	01.4				icio.	niti)bsq
Duj.	-		,	"	11			,	"	"	h.	7. m. s.	,	"	0	,		100
27 April	1604	θ Centauri M.R	41	20	641	5 1	14.6	57	10.7	44 1		19.360	140	21 00	147	40	05.07	TM
t 27 April	1604	θ Centauri							10.4			19.500	-	31.90			07.61	T.M.
	1001											16 08					46.10	
	1681	α ^c Libræ M.R	100		- 4000				06.0		-	19.288	+	34.81			11.96	2007.000
	1681	a 2 Libræ	100			-		1000	03.3								01.97	T.N
		ь S.L	18	18.	7 20	.05	20.0	18.9	20.2	10.4			100		346	18	17.71	T.M
	2657	α Tucanæ							52.1				0 1019		298	56	48.28	100000
	2741	Fomalhaut MR							1 33.7			21.456	-	52.64			8.05	100000
	2741	Fomalhaut							10.9						329		8.48	
	27	β Hydri										17 07		0 ==	NO COLOR		00.25	
	44	(a) β¹ Tucanæ	9	40.	041	. "	43.2	18.	34.5	13.8			1-36	+0.57	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 0	30.	75.9	6 6							52.66	
	699	a Columbæ							9 13.0				1		100000		11.51	100000
	807	Canopus M. R	10000					1000000	0 28.0			18.822	1	53 68			27.46	
	807	Canopus							1 52.			101044		00.00			50.39	000000
	838	Sirius M.R							5 21.0			19.570	+	23.59			28.85	
	838	Sirius	29	56.	4 55	.2	58.0	52.	2 58.	5 43.1	1				343	29	53.79	T.A
	869	ε Canis Maj. M.R.							5 54.5			19.978	1	+7.29	10000000		32.25	
	869	ε Canis Majoris							9 44.						0.000		42.32	200
		A Octantis			-							33 17					31.20	
	100	2 N. L							0 57.						1200		27.11	
	1150	8 N. L	100	-				5 DOT 100	5 100.							07		
	1152	θ Ursæ Majoris C Octantis SP							5 74.			01 20		0 69			31.31	
	2651	(b) a Tucanæ SP										(?) 39		-0.00			37.67	10000
	2700	β Octantis SP										29 22			100000		45.66	
	1	7 Octantis SP										00 30			1		49.39	90000
	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		42.06	
	44	β Tucanæ SP	- 1						481.	7 41.4	1						01.54	
	45											19.478					28.77	
	1492	(c) β 3 Tucanæ SP. M. 12 Canum Ven		20	000		00 /	00	100	0 14		13.699	+4	20.33			21.86	10000
	1492	Companion M	0		178	3333		20.	8 108.	0 14.4	*	20.521		14 8			59.45	
	1527	Centauri M.R	59		8 66			74	0 35.	9 56	5	21.032					16.88	
	1527	Centauri							061.			21.00.		00.40	000000		58.09	
	1550																42.93	
	1	*	58						8 65.								55.36	
	219											54 56	100		242	29	45.73	3 T.1
	1623			29	9 72	.2	69.4	5 7.	4 92.	2 58.	7				200000		44.53	
	12010	z Octantis										16 01	1				44.93	
	1646								0 130.			20 050					22.07	
	1681								645.			18.850	1 1	152.50	10000		12.44	and the same
	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	1000000
	2741	Fomalhaut M.R							8 17.			21.038		-35.70			07.54	
	2741	Fomalhaut							2 70.								08.61	
	1	(d) ♀'s center							0 85.						100000		07.37	200
			1					1	1000	13	1				1			100

⁽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.	5	Semi		Geor	SI	P. D. of		NAME OF STA
enith		ista		Barom.	Attach.	Out.	Wet Bulb.	Refr	action.	Para	allax.	opposite Limb.	dia	ımet	er.		Cent		No.	or
"		1	п	Inch.	0	0	•	,	"	,		r	,	11		0	1			PLANET.
6.34	-1	37	58 17	30.360	62.0	54.0	52.0		1 00							54	25	56.91	1604	θ Centauri R.
			59.29					500	1.67									55.79	1604	
			20.80	.360	61.0	63.6		1	15.67									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		Ь
	-27		18.62		61.0				29.84							100.00		08.29	Total Control of Control	a Tucanæ.
8.27			58.85	.366	61.0	57.4	52.4		3.50							1 7 7 7		59.10		
	-44	27	1.58	374	62 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							2 700		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	341	63.5	60 4			$03.41 \\ 18.65$		6.28 5.95		100			104	~ ~	32.06 38.42		0 3
	-0	13	56 57	300			55.5		0.23		0.00							59.95	699	
8 03	-18	40	19.38	.304			55.2		19.45									17.92	807	Canopus M.R
0.50	-10	TO	*****	1000	00 0	00 0		10.3	10.40							37		19.61	807	
6.32			39.23 45.71	.304	63.0	60.0		1 3	18.11			10/100				73		54.09 00.57	838	
	5		35.83	.303	63.0	59.9	55.0		- 00	1						61	-	37 80	10000	
7.37	0		34.24						5.22							61		36.21	869	ε Canis Major
			36.88		62.0				20.78									59.09		A Octantis.
	52		19.03 58.25	1 2 4 3	62.0				16.09 14.11			21.005				108	7	13.38 59.05		4
	86		23.23				53.6				0.00	20.070				100		00100		θ Ursæ Majori
	1000		28.51		61.0				37.05									08.81		C Octantis SI
			30.41 22.42				53.0		32.22 57.19							1000	56	5.88	2651	
			18.69		61.0				31.31									53.25		7 Octantis SP
	10000		12.29		61.0				54.37							138		3.41	1370	χ Ursæ Major
	88		13.52				353.0										-		1379	
	-67 -82		26.02 6.54		61.6				21.38							1000		50.65	1 000	
	-82		39.31		01.0	57.0	'		35.04							-26 -26		17.60	4	
	-82		46.22						32.02							-26		21.49	46	β Tucana S
	73		51.37		61.0	57.	0	3	8.15							129				
	73		36.53 8.80		101	50		3	8.11							129		41.39		
7.47		55 55			61.0	57.	9	1	1.94	1						54	08	44.82	1527	Centauri.
			34.85		61.6	0 57.	0	1	39.30							90	14	10.90	1550	ζ Virginis.
	35	54	47.28	.25	661.	0 57.	0		42.29	9	2.21					91	59	24.11		*
			22.35 36.45		3 61.0 0 61.0			100	55.30			1				126	38	20.96	1693	α Hydri SP. λ Bootis.
			23.15		961.				18.16									15.44		z Octantis.
			13.99		8 61.				5.96							129	1	16.70	1646	γ Bootis.
7.49			55.64		061.	0 57.	0		19.48	5								11.84		
	18		54.31		5.61	0 57	0	1			0 2	10 500			0 5			10.51 54.78		a 2 Libræ.
-	-27	7 7	28.46		561.		0 53.	3	21.3		0.3	19.736	1	3	5.5	28	56	05.02	2651	
9.73	-27	7	18.90		01.	00.			29.5	1								08.31		a Tucanae.
8.08	N. I	3 27	0.54	1 .18	161.	0 58.	8 54.	0	3.48	8		100				1000		00.77		1 Acres 1 1 1
0.00	1		0.53		0 00	000	0 50	0			0 -					0.00		50.80	OF RESIDENCE AND ADDRESS.	17.25
	40	41	59.29	30.19	0 63.	063.	8 38.	0	58.40	0	3.5					101	40	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			cluded	Jo:
and	No.	or	A	В	c	D	E	F	Molyneux.	for Microm. or Time.		ding Circle.	Initials of
Day.		PLANET.	, ,	-	"		#		r. h. m. s.	, ,	0	, ,	- H
00 A		OSIM	11 05,3	41 7	00 7	15.0	50.2	01.5		.10.00	14.11	20.00	T
29 April		⊙ S.L. M ⊙ N.L								+13.03		17.09	
	699										325 50	13.26	T.1
	734	a Orionis										35.92	T.1
		A Octantis							8 33 17			29.89	
	1	2 N.L										9.42	T.I
		& N.L C Octantis SP							10 02 25	1 74		01.62 37.80	
	1249	Ant. Pn. M.R	57 37.5						19.209	+38.08			
	1249	Ant, Pn	9 60.8									57.20	
	2700	β Octantis SP	15 51.0									43.60	
		τ Octantis SP							11 01 00		268 23	48.87	T.I
	1337	λ Hyd. et Crat. M.R.							18.691	+58.97			T.I
	1337	λ Hyd. et Crat	6 37.1									35.80	T.D
	1378	β Hydræ et Crat δ Centauri M.R	59 52.6 56 49.1						10 041			50.12	T.A
	1395 1395	ô Centauri	11 27.0						19.841	+12.58		23.68	T.N
		(e) u Centauri R	16 30.8									32.24	T.P
	1433	u Centauri	51 50.7			500000000000000000000000000000000000000		2000000				44.83	T.N
	1527	Centauri M.R	59 40.0	53.0	29.0	62.5	25.1	48.0	20.808	-26.42	147 59	15.89	T.N
	1527	¿ Centauri	8 62.7									57.65	
	1550	ζ Virginis	13 35.6						00 000			43.42	T.P
		(a) ‡	3 68.4						20.808	-26.42		49.06	T.I
	1604	θ Centauri	41 50.0 25 73.2						19.679	+19.12	324 26		T.P
THE REAL PROPERTY.	2741	Fomalhaut M.R	37 39.8						20.960	-28.52			T.N
	2741	Fomalhaut	30 72.2									9.64	T.D
1000	27	β Hydri	50 69.8						0 17 7		281 50	59.97	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			T.N
		⊙ S. L M. D.	29 54.8						10 405		14 30	7.09	T.A
	2741	(d) Fomalhaut M.R Fomalhaut	36 36.5						19.437	+28.88		3.52	T.N T.N
	2741	♀'s center	31 14.0								329 31 12 38	9.56 39.83	T.N
D 1 May		⊙ S. L. M	48 40.8	0 0	12 0	20 00	0 7 1	10.7	20.924	-31.10	14 40	01 50	T.N
		⊙ N. L	19 54.2					0.000000	20.024	-01.10	700000000000000000000000000000000000000		T.N
1811	807	Canopus	23 58.2										T.N
	838	Sirius M.R	38 22.6	39.0	54.9	50.03	6.13	31.7	20.203			20.02	
	838	Sirius	29 55.5									54.01	
0.3 9	869	ε Canis Maj. M.R.	52 49.9						19.048	+44.57			Toronto and in
	869	ε Canis Majoris	14 49.8						0 24 00			42.90	
	10	A Octantis	38 31.9 46 38.8						0 04 20	+0.05	18 46	29.63	T.N
		& S.L	41 69.01							12/19/201	17 42		T.N
4		C Octantis SP	48 47.8						9 58 40	1	266 48		T.M
	2651	a Tucanæ SP	13 41.8								241 13	28.50	T.M
	2670	SP.	52 58.8	56.9	55.82	24.86	3.73	35.4	0 16 52	-0.59			T.M
	2700	β Octantis SP	15 50.68								62 15		T.M
	9774	r Octantis SP	23 55.96									46.75	
	2774	(f) SP. γ ¹ Octantis SP	20 65.95 56 83.08								239 20	14.73	T.M
	2861	γ Octantis SP							1 48 55		63 06		T.M
	10	y 3 Octantis SP							2 03 00?		63 09		

 ⁽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 CUA
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			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	0110	0,.0	1 04.72	6.37		15	53.40	104		10.71	19.7	0
	-0 13 54.82		63.5			0.23		1	10		55		1.70	699	α Columbæ,
	41 17 27.84		63.5					1-080					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					20.360					53.77		8
	-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		5.13			100		61		51.39		
1.00	5 5 49.12	100	00 0	FO 0							61		51.00		Ant. Pn.
	-63 48 24.48 -57 40 19.19		$62.0 \\ 61.5$			1 56.44					-7 -1		53,19	2700	β Octantis SP.
	16 9 98 50		61.5								72		41.88	1337	
7.65	16 2 27.72				703	16.54	Made I				72		41.01		λ Hyd. et Crat.
	0 55 42.04		61.5			0.95							39.74		
10.26	-15 52 48.76	.172	61.5	58.8		16.38					40				∂ Centauri R. ∂ Centauri.
	-15 52 44.40 -4 12 24.16	179	61.5	58.5			100 10-10				40 51	-	28.35		
8.54	-4 12 23.25		0110		67	4.24		DU IS			51		29.26		
6.77	-1 55 7.81	.166	61.5	58.0		1.93					54	8	47.01	1527	ι Centauri R.
0.77	-1 55 8.43			FO 0	8						54		46.39		Centauri.
	34 9 35.34		61.5			39.10 41.86					1200		11.19	1550	ζ Virginis.
	35 59 40.98 -1 37 58.25	7.000.00	62.0				2.21				92		17.38 56.86	1604	θ Centauri R.
7.22	-1 37 59.97	1101				1.64							55.14		
10.39	3 26 56.94	.177	62.0	62.8	56.1	3.44					59	30	57.13	2741	
10.00	3 27 1.50	100	00 4	00 0								31	1.75		Fomalhaut.
	-44 13 8.11 46 8 25.49		63.4			55.27 58.83	3.58						53.37 17.49	27	β Hydri.
	46 8 25.49	30.100	00.0	07.0		00.00	0.00				102	10	17.49		9
	48 57 43.75	30.175	63.5	68.2	61.4	1 04.87	6.40		10	50 10	104	46	45.87		0
	48 25 59.01					1 03.68	6.34		15	53.10	104	46	46.20	1 3	0
6.54	3 27 4.56	.137	62.5	64.0		3.44						31	4.75	A Service Control	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 51.75	00.100	0			1 0.00	0.00		1		102	00	24.00		*
	48 44 13.49	30.120	64.5	73.3	62.9				15	52.90	105	5	00.40		0
	49 15 57.68		01 -	70.0	00	1 4.82			10	32.90	105		59.91		0
	-18 40 17.06 17 25 47.99		64.5					1				23 30	20.81	807	Canopus. Sirius R.
7.02	17 25 46.00	.030	04.0	70.0	102.0	17.55		7.19					0.30		Sirius.
8.07	5 10 34.77	.096	64.5	72.4	61.8	5.05		0.113					36.59	869	
0.07	5 10 34.89	2.1				5.07		B HA	1		61	14	36.71	869	ε Canis Majoris
	-54 25 38.38		64.5			3 30 00		10.00	1				58.88		A Octantis.
200	52 42 51.96 51 38 21.31		64.5			1 14.67		19.285 19.962					19.60 28.17		4
	-59 15 31.09		64.0					10.902	1	0.00			9.89	1	C Octantis SP
1	-84 50 39.51	.098	64.0	62.7		9 22.72		1 100	1		-28				a Tucanæ SP.
	-80 11 19.37	1000000	64.0		-	5 17.76		1000					40.38		
	-63 48 25.01		64.0			1 55.28					100000		23.54	2700	
	-57 40 21.26 -86 43 15.09		63.0	P. Colons		1 30.12					-1	31	54.63	2774	- Octantis SP.
	-63 6 53.28		63.0			1 52.45		1			-7	4	48.98		
	-62 57 47.09	.101	63.0	60.1	56.1			h res	-		-6	55	42.09	2861	y 2 Octantis SP
	-62 54 31.38	.101	63.0	59.4	1	1 51.64					-6	52	26.27	10	y 3 Octantis SP

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	icrosc	opes.			Micrometer	Correction		onels		s of
and	No. A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux,	for Microm. or Time.		eadi f Cir		Initials of Observer.
Day.	A.S.C.	PLANET.	-		,,	,	"	"	"	r.	, ,	0	,	,	In
			1	-	-		-			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	17	41.6	48.0	39.8	16.2	41.0	16.1	12 19 30	-0.30	269	17	33.48	T.M.
	46	12 Canum Ven				26.0				12 27 15	-2.27			17.96	T.M.
	1492					54.1					+25.50	No.			T.M.
		(a) c Centauri M	8	37.5	35.0	43.4	24.3	33.1	14.8		+25.50				T.M.
-4285	1550	ζ Virginis				52.4								48.08	T.M.
	1604	θ Centauri M.R	41	40.5	2 42.5	2 41.7	39.8	33.8	30.3	19.426	+29.32	147	42	7.12	T.M.
	1604					3 78.2 5 78.1						324		6.93	T.M.
12000	1681					29.0					+14.12				T.M.
	1681		37	61.0	0 67.1	171.2	57.3	71.7	44.5			344		2.46 50.45	T.M.
	2741	Fomalhaut M.R				256.6					+6.17			7.04	
	2741	Fomalhaut				81.6						329		9.32	T.M.
§ 3 May	27	β Hydri SP				43.1						2000		39.38	T.M
	1542 1542					33.7					+29.95			15.59	T.M T.M
		* (?)				371.9				0.00		2	23	57.00	T.M
	1580	* M	14	33	1 35 (33.0	30 0	91 9	94 9	22.090					T.M T.M
	1580	h Ceutauri				255.3				3		328	52	45.28	T.M
	1604	θ Centauri M.R				049.0					+22.5	324		7.02	T.M T.M
	1604 1624	θ Centauri λ Virginis M.R	44	56.5	2 28.9	9 67.0	27.6	80.0	62.1	18.99	+46.79				T.M
	1624	λ Virginis				5 45.0					.0.10			32.65 41.92	T.M T.M
	1681					042.4 531.8									
	1681	α ^c Libræ	37	62.5	9 67.	0 74.0	54.0	75.6	43.2	2	1 1 1 1 1 1	344		3.11	T.M
	1731	(b) b N.L	41	40.5	2 48.5	0 41.9	2 43.8	31.5	31.9	21.15	-40.3			28.82 58.37	T.M T.M
	1731	f Lupi	27	26.	1 14.	8 30.1	1 08.0	19.9	04.0		1			17.29	T.M
	1760 1760	γ Lupi M.R γ Lupi									+10.4	1 1000000		52.83	100000
	1816	ρ Scorpii M.R	52	36.	2 34.	8 42.5	2 25.5	39.1	27.0	20.62	-19.20	0 140	52	14.33	T.M
	1816 1872	(c) ρ Scorpii σ Scorpii M.R									+7 1	331		5.14	
	1872	σScorpii										334	48	10.02	T.M
	1885 1885	Antares M.R	12	40.	2 54.	6 34.	1 55.7	31.5	37.3	20.90	-30.2	5 138 333		11.44	
	1915	ε Scorpii				0 54.						326	00	38.87	T.M
	0741	σ Octantis				1 60.0					0 -40.7			50.45	1000000
	2741	Fomalhaut MR				1 49.5 8 82.					-40.7	329		9.28	
24 4 May	A COLOR	(d) ⊙ N.L. M	14	31.	8 70.	1 73.	5 28.0	94.0	12.	5 22.32	1 -1 27.5				T.M
	9 33	⊙ S.L				5 64.								38.08 45.90	
	699	ğ's center α Columbæ				0 68.					K GR			13.95	
	734	a Orionis M.R	45	50.	2 72.	3 20.	274.5	2 33.	57.5	2 19.00	+46.0	6 104	46	37.49	T.M
	734 807	a Orionis Canopus M. R	- 870.00			8 56.8 8 40.5				The state of the state of	4 +6.7			37.30 26.09	
1732 and	807					0 54.					1			50.96	
		(a) Accident (b) Beautiful (c) Beautiful	def	bisect	ted by	fast, the M	-								

Sec. of appa-		rent	Zenith			rmome	ter.			Microm.		Ser	mir	Geor	. S. 1	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	0001111								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		
	34		40.07			57.0		39.09						90		15.91	1550	ζ Virginis.
	36		59.37 59.11			57.0 57.5		42.10	2.2	1				92		36.01 56.00	1604	F Centauri R.
7.03	-1		1.08	.092	02.0	01.0		1.64						10 70 77		54.03	I HOUSE STORY	
			53.87	.090	62.0	57.5		5 36.80	FRANK V					136	50	27.42	1623	
6.67			57.12			57.2		19.34		0.11				74		13.21		
0.0.	18		54.45	.090	62.0	55.5	53.3		0.0	00 600			0 00	1000		10.54 51.21	1681	
	2	27	42.44	30.093	63 0	66 9		21.41	0.3	3 20.602			9.06		31		2741	Fomalhaut R.
8.18		27	1.31	30.093	00.0	00.2		3.41						0.0	31		2741	Fomalhaut,
	67	51		30.245	60 5	57 0		2 21.30						-11	49	53.18	27	β Hydri SP.
			51.95			58.0								51			1542	
7.78		-	52.42		00,0	00.0		4.68						51	25	59.65		
	100		48.99	.242	63.0	58.8	58.0		2.2	0				92		25.95		* (?)
	110000		30.50		00 0			42.38						92			1500	*
7.34			38.62	.240	63.0	59.5		2.83						58		38.20 36.85		
			59.01	.240	63.0	59.8			THE OLD THE	P. B.				54	-	56.10		
7.09	-1		0.86		0010			1.64						54	25	54.25	1604	
6.41			27,84	.239	63.0	59.8		22.46						77		47.05		170000000000000000000000000000000000000
0.41			24.64		00.0	00 0								0.00		43.85		
	10		26.09 55.11			60.0		1 17.63						74		13.03		z Octantis. α ² Libræ R.
8.00			55.10	.449	03.0	00.0	09.0	19.33						74		11.18		
			20.81	.228	63.0	60.0	59.0	21.37	0.3	3 20.581			8.69	0000		29.91		b
7.83		23	9.64	.226	63.0	60.0		4.41	1 320					60		10.80		
7.00	4	23	9.28					7.41										f Lupi.
8.73			44.82 43.38	.220	63.0	59.9		6.74							23	6.63		γ Lupi R. γ Lupi.
	-		53.68	918	63 0	60.0								61	15	55.66	1816	P Scorpii R.
7.78	5		53.21		00.0	00.0	1	5.23								55.19		
7.58		44	2.87	.218	63.0	60.0		8.84							48		1872	
	8	-	2.01	010	00 0	00.0		0.01						64	48		1872	σ Scorpii. Antares R.
8.19			56.57 56.93	.216	63.0	60.0		7.95		1000				0.70	56		1885	
	-0		29.14		63.0	60.0		0.06						56		27.55		
			17.56					1 22.87			1			0	44	16.32		σ Octantis.
8.01		27		30.233	63.0	61.0	60.0	3,46							31		2741	
1000	3	27	1.27			1			1/11		П			-	31		2741	Fomalhaut.
	50			30.239	64.5	65.5	61.5			10	1	5 /	52.2			22.24		0
			30.07	-	05	000	02	1 6.88			1			100		19.45 54.96		0
	56		37.89 54.06		65.0	65.6	61.5	0.23		0				113	50		10000	a Columba.
1200	41		30.52		64	65.0	60.0									17.27		
7.40	41	17	29.29	1	The state of	-		30.00	1		1				22	16.04	734	α Orionis.
8.53		40	18.08	30.221	64.5	64.3	59.8	19.28	2	1				37		19.39		Canopus R.
0.00	-18	40	17.05	1	1	1		10.20	to be	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	7.17		D	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	343 29		
		A Octantis				27.4					+0.06	271 38		
	1000	4 S.L				66.9							42.58 55.47	1000
		& S.L				78.8				9 59 07		266 48		1000
	2651	a Tucanæ SP								10 07 38		241 13		
		(a) μ Ursæ Majoris								10 14 15		42 15		
	2700	β Octantis SP								10 29 31	-1.20	262 15		
	2.00	7 Octantis SP								11 04 34	-0.68	268 23		1000
	1370	χ Ursæ Majoris				77.1						48 34		
	2849	γ 1 Octantis SP								11 42 55	,01.00	262 57		
	2861	y 2 Octantis SP								11 48 58	NEW TOTAL	263 06		-
	10	γ 3 Octantis SP								11 02 58		263 09		T.
	27	β Hydri SP								12 17 29		258 12		T.
	1492	12 Canum Ven				88.5					1000000000	39 09	4.02	T.
	1492	Companion M								20.520	-14.92	39 08	49.10	T.
	1527	Centauri M.R	59			51.6			37.0	20.835		147 59	17.47	T.
	1527	Centauri	8	65.2	58.9	70.8	48.8	60.0	41.0			324 08	57.65	T.
		*	28	30.0	45.2	52.6	19.9	63.0	12.1				37.13	
	1575	η Ursæ Majoris				61.1					82319.13		58.53	
		z Octantis				39.8						272 33		
	1646	γ Bootis				50.9					7 2 2 2 2 2 2		25.02	
	1678	Libræ M.R				26.0				19.414	+29.69	139 25		
	1678	Libræ	1000000			86.0					10000	332 43		
	0713	ь S. L. М				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	
	17.75	♀ 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	58	31.1	76.5	62.9	43.8	88.0	23.0	20.092	+2.34	15 58	56.76	T.
		⊙ N. L				45.4							37.72	
		(b) § 's center				100.6					-0.48	23 21		
	699	α Columbæ				22.0						325 50		
	734	α Orionis M.R				15.2					+59.45	104 46		
	734	a Orionis				43.6							37.45	
	838	Sirius	1000000			58.2		-				343 29		
		A Octantis (b) 2 N.L				50.3					0.00	271 38 18 41		
		(c) & 's center				60.9					-0.09			
		C Octantis SP				87.0						266 48	36.30	
	2651	a Tucanæ SP	13	41 0	36 0	30.0	06.0	48 1	15 5	3 00 00	DE LOCAL DE	241 13		
	2670	SP	59	55 2	56.7	56.0	29 0	64 2	30.8	10 16 01		245 52		
	2700	β Octantis SP	15	52 5	55 9	55 9	15.0	59 9	27 3	10 29 21		262 15		
		7 Octantis SP	23	56.9	60.5	60.0	23 4	63 0	24.8	11 00 50		268 23		
	2774	SP.										239 21		
	1370	χ Ursæ Majoris	33	14.9	52.6	53.2	50.0	73.5	43.8				28.00	
	2849	γ¹ Octantis SP	57	29.8	27.6	32.1	47.8	34.0	54.0	11 45 38	-1.95	262 57		
	2861	γº Octantis SP	6	31.8	31.2	35.0	51.8	36.8	57.2	11 49 55		263 06		
	10	γ3 Octantis SP	100							15.265	+3 17.07			100
		o Octantis SP	1000				00 0	47 0	10.0	112 03 01		269 17		
	44	SP.	57	68.2	63.5	65.7	33.0	75.9	40.3	12 24 23		243 57		
	45		10000							{12 24 24 19.499		243 58		
	1 28		1	-	2000				100000	19.499	-	200000000000000000000000000000000000000	100000	150

 ⁽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-	Gor	e e	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.
	. / #	Inch.	0	0			, ,	r	, ,	0	,	"		PLANET,
- 00	17 25 48.89	30,221	64.2	63.8	59.5	17 00				73	30	3.57	838	Sirius R.
7.06	17 25 46.98		100000			17.98	1	111000	18771		30	1.66	838	
	-54 25 38.67			60.4			The state of the s					57.88		A Octantis.
	52 38 34.57 51 12 47.46			60.5		1 15.16		19.321 19.935	16.7			2.93 54.65	10	4
	51 12 47.46 -59 15 29.49			60.0		1 36.47		19.933	4.0		13			& C Octantis SI
	84 50 38.01			60.0								10.09	2651	
	76 11 34.69			60.0		3 49.81						21.25		
	-63 48 25.79			59.0		1 56.70							2700	β Octantis SP.
1	-57 40 19.89	0.0000000000000000000000000000000000000		60.0		1 30.72		0.000				53.86	1270	7 Octantis SP.
	82 30 17.04 -63 6 52.14	.253		59.8		6 51.99				138	41	48.50		χ Ursæ Majori γ¹ Octantis SI
	-62 57 47.81	.253				1 52.38								y Octantis SI
	-62 54 32.34	.248		CONTRACTOR OF THE PARTY OF THE		1 52.06						27.65	10	
-	-67 51 29.84	.248				2 20.49		8 01 4		1000		53.58	27	
	73 4 56.01	.248	63.0	60.0		3 6.90				129		59.66		
	73 4 41.09 -1 55 9.46	046	60 0	60 0		3 6.87		1000		129		44.71 45.36		
7.56	-1 55 9.46 -1 55 10.36	.246	03.0	00.0		1.93				54		44.46		
	36 24 29.12	.246	63.0	60.0		42.44	2.20				29		1021	*
	83 55 50.52	.248			57.5	8 16.04				140	8	3.31	1575	η Ursæ Majoris
	-53 30 27.13	.245				1 17.70						11.92		z Octantis.
	72 54 17.01	.245				3 4.95				129		18.71		
7.73	6 39 7.80 6 39 7.23	.243	62.5	59.8	- 0	6.72	19111111					11.27		Libræ R. Libræ,
	20 23 20.37	.243	62.5	59.8		21.41	0.33	19.715	8.78			46.98	1070	Ь
7.98	3 27 1.87	.237			58.5	3.47				7750	31	2.09	2741	Fomalhaut R.
	3 27 1.81										31	2.03		Fomalhaut.
	48 15 55.47	30.328	65.0	67.0		1 3.77	3.69	20.351				48.24		Ŷ.
	49 54 48.75	30.223	65.0	67.0	60.8	1 7.33			15 52.00	106	15	38 35		0
	50 26 29 71 57 17 13.53	.212 (85 0	87 E	61 0	1 8.60	6.53 7.15	1		100	10	36.53		0 8
	-0 13 55.59	.212	00.0	07.0	01.0	0.23	7.10			1000	50	0.93	699	The state of the s
	41 17 30.06	.1866	65.0	65.8	60.5	49.87		7 - 6 - 6		97		16.68	734	a Orionis R.
1.10	41 17 29.44									97		16.06	734	a Orionis.
	17 25 46.31	.1866			60.0	17.89				100	30	0.95	838	
	-54 25 38.23 52 37 37.63	.1826				1 20.07 1 15.02	1 97	21.013	17 40	100		58.45 30.73		A Octantis.
	51 4 6.01	.1856				1 10.98	5.33	21.013	17.40	107		8.41		4
-	-59 15 31.71	.186				1 36.24		Charles !				11.20		C Octantis SP
-	84 50 36.94	.1866	63.5	60.3		9 27.27	300.10			-28	56	7.46		α Tucanæ SP.
	80 11 20.49	.1866		0.75		5 19.64	13634					43.38		SP.
	63 48 23 63 -57 40 19.91	.1866	200000000000000000000000000000000000000			1 56.17	A PARTY OF	-			-	23.05 53.74	2700	β Octantis SP.
	86 43 7.69	.1866			1	1 00.08				-1	01		2774	SP.
	82 30 19.99	.1816				6 52.41				138	41	9 15		x Ursae Majoris
-	63 6 52.41	.1836	32.5	58.0		1 53.25				-7	4	48.91	2849	γ 1 Octantis SP
	62 57 47.50	.1856	32.0	58.0		1 52.52								γ 2 Octantis SF
	62 54 30.43	100	20 0		1	1 52.26		300		1		25.94	10	γ 3 Octantis SI
	56 46 34.28 82 6 10.36	.1856				1 27.83 6 33.65	No. of the last	1861		-0 -26		5.36 46.26	44	o Octantis 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		NAME OF STAR				Mic	rosc	pes.				crometer		rection			uded	of ir.
and	No.	or		A	I	3	С	D	E	F		Time by olyneux.		Microm. Time.		read f Ci	rcle.	Initials of Observer.
Day.		PLANET.	,		-	,		,	#	"	h.	r. m. s.	,	,	0	,	,	90
5 May	46	SP.									112	25 37	. 4	21.01	944	00	44 00	T.M
5 May	106000										1	13.679	+4	21.01	1330			1000
	1492 1492	12 Canum Ven Companion M	8	46.	291	.00	31.2	26.2	116.7	15.9		00 505	1	15 01	39		4.53	T.M
	1542	d Centauri M.R	40	52	4 66	0	53.9	63.7	49 0	53.0		20.527		-15.21			49.32	T.M T.M
1	1542	d Centauri								02.7		10.004	-	00.07			15.72	T.M
		*	32	60.	5 79	.67	76.8	62.2	89.2	51.0							9.88	T.M
	1573									41.2							56.02	T.M
	1604	θ Centauri M.R								45.0		21.116		-38.96			6.87	T.M
100	1604	θ Centauri (a) λ Virginis M.R								31.6		21.860	1	08.98	324		6.32	T.M T.M
N Wall	1024	z Octantis										17 30	-1	00.90			41.95	T.M
1 1 1 1 1 1 1	1681	α ² Libræ M.R								69.5		21.147	1 18	-40.22				T.M
44.00	1681	α ^e Libræ				-		100000		48.0					344	38	2.48	T.M
-1977										34.0							46.23	T.M
7	2518	Piscis Aust								03.8					120000		17.18	T.M
	2577 2651	a Piscis Aust a Tucanæ MR								05.8		22.381	1	20.00			19.90	T.M T.M
1000	2651	a Tucanæ								37.9		22.001	-	30.00			49.35	T.M
				-				1	1						-	-		1
6 May		⊙ N.L. M	47	36.	8 78	3.3	71.1	40.0	97.3	24.0		20.702		-22.27	1000		35.84	T.M
		0 S.L								24.0		00 00					55.53	T.M
1 16		A Octantis								32.6		33 00					29.43 8.95	T.M
		C Octantis SP										58 55					37.65	T.M
	2651	α Tucanæ SP										07 38					36.57	T.M
.49 (19)		7 Octantis SP										00 50			268	23	46.62	T.M
	2774											09 36			The same of		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		-16.45			45.50	T.M T.M
	10	γ 3 Octantis SP								11.0		30 09		-0.00			34.82	T.M
		o Octantis SP. M.	17	49.	8 57	7.6	55.4	17.	3 58.3	16.1		20.423		-11.01				T.M
	27	β Hydri SP	12	47.	5 50	0.2	50.9	09.	58.	13.0	12	17 28					38.27	T.M
	1492	12 Canum Ven	8	44.	6 92	2.9	87.8	28.	9 116.0	16.8		7977			39	9	4.50	T.M
	1492	Companion M	00	97	0 40		05 6	00	100			20.530		-15.33	39	08	49.17	T.M
	1533 1533	Spica M.R								55.0		19.215	1	+37.72	349		12.79	T.M
	1000	*	37	23.	0 3	5.6	32.0	23	8 40 .9	17.8							28.85	T.N
	1580	h Centauri M.R	16	37.	.5 50	6.8	26.1	64.	2 23.	5 46.0		21.890	-1	10.18	143	15	31.51	T.N
	1580	h Centauri	52	49.	.0 48	8.0	53.9	42.	3 47.0	30.0			1		328	52	45.69	
	1624	λ Virginis M.R								48.1		21.443	3	-52.18			40.52	
	1624 1681	λ Virginis	22	33.	8 33	5.0	38.0	31.	0 40.0	24.0		01 10		43 04			33.88	T.M
	1681	a 2 Libræ								69.8		21.168		-41.00	10000		3.56	T.N.
	1001	b N.L								111.4							22.82	
	2741	Fomalhaut M.R	37	45.	.06	2.1	34.5	269.	8 33.	5 52.3	3	21.218		-43.08			5.75	
	2741	Fomalhaut	30	74.	.27	1.6	80.5	266.	0 72.	1 55.9	2				329	31	10.58	T.N
20 May		Ø*(1)	51	95	80	7 0	26	201	3 90	17 9	10	11(32)			350	51	25.28	T.N
, 20 Blay		*(16)	1000						2000	339.8		11 32 42			0000		52.28	T.N
	100	# (17)										46 44	1		335		8.40	The second second
	1527	Centauri M.R	-					- 10000		5 45.4		19.228		+37.39	147	59	19.59	T.N
	1527	Centauri	8	57.	.86	1.2	64.	2 52.	0 56.9	939.0)				324	08	55.38	T.N
			1		1				1	1	-		1					1-

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

ec. of appa- rent		rent	Zenith	Barom.		rmome	eter.	177		D		Microm. for	S	emi-		Geor	.S. 1	P. D. of		NAME OF STA
Zenith Point.	D	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Kei	raction.	Par	allax.	opposite Limb.	dia	meter	r.		Cent	er.	No. ASC	or PLANET.
"	0	,	"	Inch.	0	0	0	1	,	,		r	,	"		0	,	"		
	-82	1	23.09	30.184	62.0	57.8		6	30.04							-26	3	56.38	46	SP.
	73			30.183			55 0		7.62							129	12		1492	
	73		41.31	30.103	01.0	37.0	33.0	3	7.59										1	Companion.
7.89	4		52.05	.177	61.5	56.8	55.0	-								51			1542	the same of the sa
1.09	-4		52.29						4.68										1542	d Centauri.
753	36		1.87	.177	61.5	56.8			42.73		2.20							39.15	1.500	*
	1		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.
	100		28.30	.171	61.5	56.5			22.55									47.60		
			26.06					1	18.01									12.68		z Octantis.
7.95			54.59	.168	61.5	56.7			19.41									10.75		α 2 Libræ R.
	18		54.47	166	61 5	56.8	er o				0 22	10 705		0 (20	74 76		10.63	1681	
	1		38.22 9.17			54.3	05.0		21.50		0.00	19.705		8.9	18	57	9	5.12	2518	Piscis Australi
	-		11.89			54.2			0.17							56			2577	Piscis Austra
9.05	07			30.130			54.0		3770375							28	56		2651	a Tucanæ R.
3.00	-27	7	18.66						29.67							28	56	8.42	2651	a Tucanæ.
				30.165	63.5	65.5	61.0	1	9.37		6.56		15	51.	741			35.69		0
			47.52	100	00 0	en n		1	8.12		6.51			01.			7	37.58		0
			38.58			60.0			20.10		1 07	20.946		16	26			58.07 55.32		A Octantis.
			30.36			59.8		1	14.96 36.28		1.21	20.940		10.0	00	-3		9.89		C Octantis SF
_			31.44			59.8		1000	27.56							-28		2.25	2651	a Tucanæ SP
			21.39			59.8		1	30.54			1.1516				-1	37	55.18		7 Octantis SP.
_			22.54			59.8										_		10.00	2774	SP.
	-63		53.81 48.23			59.8			52.81				1			-7 6		49.88 43.57		γ Octantis. S γ 2 Octantis Sl
			22.51			59.9			52.09 39.10							-24		4.86		SP.
_			33.19			59.9	57.0		51.81									28.25	10	y 3 Octantis Sl
				30.176	62.0	60.0		1	27.47							-0	44	7.32		o Octantis SP
				30.176				2	20.17									53.16	27	β Hydri SP.
9.00	73		56.49	.173	62.0	60.4		3	5.96							129		59.20		
2000	73		41.16 55.22	164	62. 5	60.8		3	5.93									43.84 17.04		
8.21	23		55.62	1101	0	00.0			25.07									17.44		
			20.84	.164	62.5	60.6			42.51		2.19							57.91		*
8.60			36.50	.164	62.5	60.3	- 9		2.82											h Centauri R.
0.00	14		37.68	104	00 5	60.0			2.02				1							h Centauri.
7.20			27.49 25.87	.104	02.5	00.0			22.40											λ Virginis R. λ Virginis.
0	10		53.63	.160	62.0	59.8							3					9.67		
8.97	18	33	55.55						19.29							74	38	11.59		
			14.81			59.8			21.40		0.33	20.617		9.	42			23.21	2000	h
8.16	3	27	2.26 2.57	30.153	62.0	58.8			3.47									2.48 2.79		
	24	47	16.62	30.420	60.2	57 0			26.90							80	51	40.27		Ø*(1)
	44.40		43.62			56.4			10.76									51.13	1	Ø*(16)
	9	6	59.74	.428	59.2	56.4			9.36			1000	1			65	11	5.85	1	Ø*(17)
7.49				30.461	60.1	55.8	52.1		1.96							54	8	43.86		Centauri R.
	-1	55	13.28						1.90							54	8	41.51	1527	c Centauri.

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.

A.S.C. Day. A.S.C. PLANET. A B C D E F Mobpass, Review, Franker, of Circle. No. 1, 197	Month		NAME OF STAR	_		1	Micros	opes.			Micrometer	Correction			cluded	s of
162 162	and		or		A	В	c	D	E	F			1			Initials of Observer.
1662 i Centauri.	Day.		PLANEI.	,	"	"	,	,		"		1 8	0		, ,	
1680 A Centauri, 52 46, 045, 250, 840, 245, 027, 8 20, 572 58 59, N. L. 47 39, 440, 042, 437, 044, 330, 4 20, 391 346 45, 567 357, 581, 357, 368, 368, 368, 368, 368, 368, 368, 368	6 20 May	1562										+29.00	144	21	21.04	
1880 Companion M.													100000			T.M.
1818 π Scorpii M. R. 47 39,440.042 437.044.330.4 32.041 32.0391 336 445.67 334 21 32.05 32.0391 32.0391 32.0391 335 33 33.04 33 34.0391 32.0391 335 33 33.04 33 34.0391 335 33 335 33 34.0391 335 33 335 33 34 33 34 33 34 33 34 33 34 33 34 33 34 33 34 33 34 33 34 33 34				1000		1992.33			45.0	27.8		16 00	100000			T.M.
1818		1000	b N. L.						44.3	30 4		-10.82				T.M.
1818		1818										-9.52				T.M.
1967 1967		1818	π Scorpii													T.M.
1967 1986 θ Ophiuchi 96 75. 567. 2] 73. 363. 0, 70.1 52.9 338 38 31.72 335 10 5.67 367. 2] 9 374 50. 6.32 385 10. 5.67 375 67. 2] 9		100=														T.M.
1986 θ Ophiuchi 9 67.5 67.2 73.3 63.0 70.1 52.9 335 10 5.67 (a) **(2)		0.0000000000000000000000000000000000000										+38.68				T.M.
22 May	18 119			9	67.5	67.	2 73.	63.0	70.1	52.9						1000
**(16)	21 May											+0.20				T.M.
**(17)																T.M.
22 May	Maria N		# (16) # # (17)													T.M.
**(7)				200					100	1883			30			1000
# (16)	22 May															T.M.
**(16)																T.M.
1492 12 Canum Ven. 8 40.8 90.5 84.8 26.5 11.8 14.0 39 09 1.78 1527 4. Centauri M.R. 59 46.0 53.0 38.1 159.3 31.0 48.8 20.810 -26.42 147 59 20.26 1527 1527 1562 1 Centauri M.R. 20 44.5 60.2 34.8 65.5 29.6 49.2 19.287 435.01 144 21 21.70 327 46 55.40 40.0 1624 22 31.5 31.4 36.5 28.0 35.9 22.1 347 22 31.14 (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 42 30 42 23 23.0 43.3 24.2 28.0 19.3 1604 (c) θ Centauri M.R. 47 37.5 41.8 55.3 24.2 42.7 18.2 19.954 +8.11 153 47 44.72 1572 μ Centauri M.R. 47 37.5 41.8 55.3 24.2 42.7 18.2 19.954 +8.11 153 47 44.72 1572 μ Centauri M.R. 42 42.0 43.0 52.3 32.0 43.0 22.2 20.918 -30.78 147 42 8.36 40.64 20.64 20.65 10.5 1.79 1.5 1.0 65.0 48.1 20.64 20.64 20.64 20.65 10.5 1.79 1.5 1.0 65.0 48.1 20.64 20.64 20.65 10.5 1.79 1.5 1.0 65.0 48.1 20.64 20.64 20.65 10.5 1.79 1.5 1.0 65.0 48.1 20.64 20.64 20.64 20.65 10.5 1.0 65.0 46.5 118.2 49.7 14 25.57 38.58 22.35 59.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1		0.8														T.M.
1527 1527 2 Centauri M.R. 59 46.0 53.0 38.1 59.3 31.0 48.8 20.810 -26.42 147 59 20.26 324 48.65 59.66 66.44 49.25 19.287 1562 1624 2 Centauri M.R. 20 44.5 60.2 34.8 65.5 529.6 49.2 19.287 19.287 16.24 2 Centauri M.R. 22 31.5 31.4 36.5 528.0 35.9 92.1 2																T.M.
1527 1562 1 Centauri 20 44.5 60.2 34.8 65.5 29.6 49.0 19.287 1562 1 Centauri 46 59.0 56.6 66.4 49.9 54.2 41.0 327 46 55.40 347 22 31.14 40.0 20 2 31.5 31.4 36.5 28.0 35.9 22.1 347 22 31.14 40.9 34.2 34.0 34		100000000000000000000000000000000000000														T.M.
1562 i Centauri M.R. 20 44.5 60.2 34.8 65.5 29.6 49.2 19.287 19.287 20 1624 20 20 20 20 20 20 20	2000											-26.42				T.M.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1											+35 01				T.M.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$																T.M.
23 May 1572 μ Centauri M.R. 47 37.5 41.8 55.3 24.2 42.7 18.2 19.954 μ Centauri 20 42.2 32.0 43.3 24.2 28.0 19.3 18.2 318.2 31.82 1604 (c) θ Centauri M.R. 25 73.8 65.179.154.0 65.0 48.1 2 20.918 μ Centauri 25 73.4 2 20.918 μ Centauri 25 73.8 26.26 20.918 μ Centauri 25 73.1 2 20.918 μ Centauri 25 73.1 20.918 μ Centauri 25 73.1 2 20		1624														T.M.
1572	The second		(b) z Octantis	33	45.0	53.5	2 53.0	13.5	51.6	16.5	14 19 00	+0.97	272	33	39.77	T.M.
1604 Centauri M.R. 42 42.0 43.0 52.3 32.0 43.0 22.2 20.918 -30.78 147 42 8.36 6 Centauri. 25 73.8 65.1 79.1 54.0 65.0 48.1 2 Octantis. 33 44.0 52.1 34.1 28.3 33.2 31.5 14 15 40 272 33 37.55 7 Bootis 57 76.2 96.5 105.0 46.5 118.2 49.7 14 25 57 38 58 22.35 48 5.1	23 May															T.M.
1604 θ Centauri 25 73.8 65.1 79.1 54.0 65.0 48.1 2 Octantis 33 44.0 52.1 34.1 28.3 33.2 31.5 14 15 40 272 33 37.55 5 S.L. 50 43.2 45.4 62.8 28.5 64.0 20.2 346 50 44.09 1711 v 1 Libræ M.R. 45 50.2 54.1 31.9 58.5 25.2 46.0 20.040 +4.64 127 45 48.72 1711 v 1 Libræ 22 26.2 25.2 43.0 10.8 40.5 00.9 1768 (d) Libræ 24 35.5 28.4 46.0 18.5 40.0 10.9 332 24 30.88 1800 b Scorpii M.R. 22 55.3 61.2 57.4 55.4 46.7 44.0 19.345 +32.67 137 23 26.26 1836 β 1 Scorpii M.R. 30 30.8 33.9 19.7 34.5 10.8 23.0 21.134 -39.49 131 29 45.99 1836 β 1 Scorpii M.R. 30 30.8 33.9 19.7 34.5 10.8 23.0 21.134 -39.49 131 29 45.99 1836 β 1 Scorpii M.R. 30 30.8 33.9 19.7 34.5 10.8 23.0 21.134 -39.49 131 29 45.99 340 38 32.02 340 38 32																T.M.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			(c) & Centauri M.K	95	42.0	65	0 52.3	54.0	65 0	22.2	20.918					T.M.
1646	Mark to the	1004									14 15 40					T.M.
1711	149991	1646	γ Bootis	57	76.2	96.	5 105.0	46.5	118.2	49.7	14 25 57					T.M
1711	100		ь S. L	50	43.2	45.4	4 62.8	28.5	64.0	20.2						T.M.
1768 (d) Libræ			ν¹ Libræ M.R	45	50.2	54.	1 31.9	58.5	25.2	46.0	20.040					T.M.
1800 b Scorpii M.R 22 58.3 61.2 57.4 55.4 46.7 44.0 19.345 +32.67 137 23 26.26	St. 15-1		(d) Libros	24	35.5	20.7	148	10.8	40.5	10.9						
1800 b Scorpii	3,039		b Scorpii M.R	22	58.3	61.	2 57 .4	55.4	46.7	44.0	19.345					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$																
27 β Hydri	17.3	1836														T.M.
© N.L. M 3 29.9 67.0 73.5 18.3 96.8 8.0 23.793 2 26.74 21 01 22.62 © S.L																
699 CS.L		21		31	20.7	10.	4 08.7	01.8	59.2	05.0	0 17 14					
699 a Columbæ 50 27.4 20.1 34.0 07.1 24.5 59.5 325 50 18.80 **(5) 24 66.1 67.0 83.5 46.5 87.2 42.0 10 14 58 351 25 5.86 - Oct SP M R 43 61 145 181 514 881 331 0 10 58 45 +.49 203 44 32.71	24 May			-								2 26.74				T.M.
# (5) 24 66.1 67.0 83.5 46.5 87.2 42.0 10 14 58 351 25 5.86 - Oct SP M R 43 61 145 181 514 881 331 0 10 58 45 +.49 203 44 32.71		600														T.M.
- Oct SP M R 43 61 145 181 514 881 331 0 10 58 45 +.49 203 44 32 71	- (1)	099														
7 Oct. St. M.R 140 01.1 40.1 01.0 14.8 01.0 13.0 10. 10. 10. 10. 10. 10. 10. 10. 10. 1	- 101	A S														T.M.
	1000								C-C 75	1000	1 19.179					
7 Octantis SP 23 53.458.2 37.4 37.9 42.3 39.4 11 01 44 268 23 45.12	HARRY.	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 Ze	nith		ermom	eter.		1	10 10	Microm.		Sem		Gar		P. D. of		NAME OF
rent Zenith Point.	Distance	Baron	Attach.	Out.	Wet. Bulb.	Refraction	Par	allax.	opposite Limb.	di	iame		Geo		ter.	No.	NAME OF ST or PLANET.
		Inch		0	0	1 "	,	"	r	-		"	0	,	"		PLANEI.
7.51	1 42 47	62 30.46	35 60.0	55.6		1.75							57	46	46.12	1562	i Centauri R.
7.51	1 42 45 2 48 33		66 60.0	55.6		2.87							58	52	33.46	1580	i Centauri. h Centauri.
	2 48 17. 20 43 30.	26 .48	9 59.0	55.6		22.15		0.34	20.600		8	.98			16.64 39.84	1580	Companion.
8.86	8 17 22. 8 17 23.	39	0 59.4	les e		8.55			2,153				64 64	21	28.29 28.69	1818 1818	π Scorpii R. π Scorpii.
10.00	8 59 39. 7 34 22.		659.4	10000		9.30	100	4.80	P-850	16	9	.45	65	10	50.37 26.96	The same	D
8.99	7 34 23.					7.81	la de						63	38	27.62 4.12	1967	A Ophiuchi.
	25 24 13.					27.70									37.76	1300	# (2)
	21 45 57.	66 .56	261.0	58.8		23.28							77	50	17.69		Ø*(7)
	9 7 0.	$\begin{array}{c c} 29 & .60 \\ 02 & 30.60 \end{array}$	$061.0 \\ 261.0$	58.4		10.78 9.38							66 65	30	52.82 6.15		#(16) #*(17)
	24 38 25.	30.56	5 60.0	54.0		27.00							80	42	49.26		* (3)
	21 36 56.9 -57 40 21.		260.0 059.0		18 0	23.33									17.03 57.44		*(7) TOctantis SP.
	10 26 44.	75 .55	8 59.0	52.4	10.0	10.89									52.39		# (16)
	9 6 59.		8 59.0 0 56.5			9.48							65 129			1400	*(17) 12 Canum Ve
8.15	-1 55 11.0	30 .54	0 56.5			1.99							54	8	43.16	1527	c Centauri R.
	-1 55 12.0 1 42 46.9		8 56.8	46 8									54		42.14		¿Centauri.
8.55	1 42 46.	74	a mond	10000		1.78						4	57	46	45.27	1562	i Centauri.
-	21 18 22.4 -53 30 28.5		3 55.5 9 55.0		12.5	23.34 1 20.75		No.					2	32 32	7.11	1624	λ Virginis. z Octantis.
8.27	-7 43 36.0		8 58.5	50.2	14.4	8.00			6.190								μ Centauri R.
	-7 43 36.8 -1 37 59.3	0 .35	7 58.5	49.5		1.68							54	25	11.91 55.37	1604	θ Centauri R.
	-1 38 4.1 -53 30 31.1		7 58.0	49 0		1 19.68		9-19							50.89	1604	θ Centauri. z Octantis.
	72 54 13.0	.357	7 57.5	48.4		3 9.93							129	1	20.37	1646	γ Bootis.
	20 46 35.4 18 18 19.9		7 57 .5			22.45		0.34	19.690		9.	38	76		3.67	1711	ν Libræ R.
6.86	18 18 16.3		101.5	47.0		19.58									32.66		v1 Libræ.
	6 20 22.9		56.5			6.59			0								Librae.
8.66	8 40 42.4 8 40 42.4		56.0	45.6		9.08											b Scorpii R. b Scorpii.
9.01	14 34 22.6		556.0	45.0		15.48											β¹ Scorpii R.
	14 34 23.3 44 13 0.0		58 5	50 4	0 0	56.15									35.59		β 1 Scorpii. β Hydri.
4 75			100													21	
	54 57 13.9 54 25 39.3		64.2	70.5	9.5	1 20.32		6.91 6.86		15	48.				35,82 36,34	100	0
	-0 13 49.8	6		.		0.23	13						55	50	6.66	699	a Columba.
	25 20 57.9		61.5		1	27.21									21.16		# (5)
8 99	57 40 24.0		60.0	57.25	2.3	1 31.19						1			58.49		- Octantis SP.
-	57 40 23.5	4		- 1									-1	37	57.98	00	7 Octantis SP.

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	LULAN.	NAME OF STAR			M	licrosc	opes.			Micrometer	Correction for Misser	(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.	,		,	"	,	11	,	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					T.M
-	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		258	12	31.97	T.M
	2543 2543	(b) ¿ Capricorni M.R				8 34.2 8 93.9					-30.45			7.41	T.M T.M
	2566	ζ Capricorni γ Capricorni M.R.				2 46.3					-52.44				T.M
	2566	γ Capricorni	35	76.	8 76.	5 96.0	57.4	93.0	48.3		11111111111	342	36	15.14	T.M
	570.5	D N. L				8 100.0				21 59 45	William William			19.45 39.63	T.M T.M
	2655	θ Aquarii	23	74.5	272.	3 90.7	54.0	92.8	49.3	3	1000	351	24	12.62	T.M
	2688	σ Aquarii M.R	39	49.	0 55.	4 26.4	59.7	25.4	47.8	21.179	-41.02	123	39	2.70	T.M
	2688 2741	Fomalhaut MR				0 92.8 8 41.1					-29.40			13.88	T.M T.M
	2741	Fomalhaut				3 93.					20.40			14.99	T.M
		7 Octantis R								22 58 46				49.15	T.M
	27	τ Octantis β Hydri								2 23 06 22 0 17 16	+2.10			8.03	T.M 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.	130.0	108.4	18.5	20.420	-10.57	21	20	50.72	T.M
,		⊙ N. L	51	61.	5 100.	7 106.	0 51.0	127.8	37.0	0		21	52	20.60	T.M
		ç's center				8 75.				1 11 05 50	_1 0			50.52	T.M
	1604	θ Centauri M.R	42	25.	0 26.	7 34.	2 15.6	326.0	07.0	20.48					T.M
	1604	θ Centauri	25	69.	3 65.	4 75.	7 53.9	63.8	8 44.6	5			26	2.30	T.M
	2598 2598	γ Gruis M.R γ Gruis		56	0 45	2 59.	32.9	3 43 6	31 9	20.48	-13.19			29.00 45.43	
	100	C Octantis	14	46.	5 59.	8 39.	2 34.0	39.0	34.0	0 22 00 49	+1.10			43.63	
	2689			41.	2 35.	0 49.	8 26.5	2 36.0	19.0		20.00			34.97	
	2689	Companion M Fomalhaut M.R		39	641	8 45.	7 34	335	24.6	. 20.90 6 19.56					
	2741	Fomalhaut	30	79.	8 72.	091.	0 63.	8 79.	0 56.0	6		329	31	14.47	T.N
	2779	(c) τ Octantis γ App. Sculp								8 22 58 47	1			32.82 5 12.86	
	31	α Phœnicis M.R		33.	8 37	187.	021.	5 43.	0 16.	19.32	+33.8				
	31	a Phœnicis	48	73.	8 66.	6 75.	1 59.	0 59.	2 53.4	5		316	3 49	5.20	T.N
	182					972.					-28.7			20.68	
₹ 30 May		⊙ N.L. M				693.					-30.9			34.62	
	100	⊙ S. L	14	66	3 104	.8 108.	5 53.	91107.	140	2	1			1.80	
	699		50	28.	5 18	.9 34.	3 08.	1 22.	000.	9		328	5 50	18.81	T.N
					fast,	May	25th,	221	-29th,	, 25°.			7	a series	1
		(a) Very un (b) Hurried		y.											
		(c) The Star			.ban.	5- 35 CC			4.13						

ec. of appa- rent	Арра	rent	Zenith	Barom.	Th	ermom	eter.					Microm.	5	Sem	i-	Geor	. S. 1	P.D. of		NAME OF STAI
Cenith Point.	D	istar	ice.	Barom.	Attach.	Out.	Wet Bulb.	Ren	raction.	Para	llax.	opposite Limb.			eter.		Cent		No. ASC	or
	•	,		Inch.	· A	0		,	"		"	r	,	-	,	0	,	"		PLANET.
	54	36	40.50	30.145	62.0	70.2	61.0	1	19.05		6.88			46	20	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.
1			58.34			62.0		1	27.03									$13\ 05$ 22.12		#(5)
	21		1.21			61.0			22.83									20.79		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	1	- Octantis SP.
	-01	40	25.92 39.20	005	61 6	2 58.5		1 3	51.81									59.59 34.26		τ Octantis SP. γ 3 Octantis.
				30.081					20.08							-11	50	0.02	1 000	
1.88)	10	49	1.25	29.915					9.84							1000	53		2543	¿ Capricorni R
1.00)	10		7.69	29.915	61	01 0			0.04	1		10.00				66		14.28 21.00		
8.22	16		6.48	29.915	01.	01.0		1	16.88							72		20.11	Princess.	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	100			1			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			li		1.57		7 Octantis.
1	-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	6127	
	-24	7	11.25													31	56	18.99	182	Achernar.
7.50			43.98 13.86	30.437	59.	0 55.8	50.6	7 2			6.93		15	4	7.50			45.42		0
			43.78		59.	0 55.8	8 50 .6	1 1	25.77 26.34		6.98					1112		2.77		9
	-57	40	22.62	.350	58.	5 49	5	1	32.94							10000		58.81		TOctantis SP.
5.76	-1	100	2.47		58.	0 44.0	0 43.0	0	1.70							1000		52.58		
	-1 -4		22.26		56.	0 38.4	4	1					1					30.09		
7.22	-4	11	21.31				9	10	4.40	2								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.					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	7 31	a Phœnicis R.
0.71	-9		1.54		0 50	0 50	2 40	0	3.1				i					45.5		
7.64			12.15	30.20	9 50.	.050.	340.	١	26.2	5								3 16.56 3 18.35		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	25	55.06	3				1	22.3	8	6.9	4	13	9 4	17.4	111		54.65		0
			16.80	30.12	2 59	.564.	8 56.	0]			4.1	1				100		8.59		a Columba,
	1	10	47.30						0.2	0		100				01	0	0.00	000	a columba,

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	-		1	Micr	rosco	opes.			_	Micrometer	Correction			luded	Jo
and	No A.S.C.	or		Λ	В		C	D	E	F		or Time by Molyneux.	for Microm. or Time.			ding ircle.	Initials of
Day.		PLANET.	-	"	"		"	"	"	"	-	r. h. m. s.	, ,,		,	"	1
30 May	807	Canopus M. R	14	20	5 44	0.59	2 6	17 4	54.8	11	-	20.588	-17.34	164	11	10 10	T.P
o Diay	807	Canopus							48.1			20.000	-17.54			56.37	
	838	Sirius M.R							19.4			20.730	-23.07				
	838	Sirius							74.0			10 000		Telephone (57.26	1000
	100	(a) # * (1) M # * (5)							97.8			19.902	+10.33	350		5.76	T.P
	18 18	Ø *(7) M							65.1			21.121	-38.84			7.48	1000
		# (8)							90.5					346	20	11.72	T.D
	71/9	7 Oct. SP. M.R	43	47.0	32.	1 68	3.3	02.8	68.2	17.5	2	18.829	+53.60	203	44	33.72	T.D
		7 Octantis SP									- 1	111 03 00 11 04 20	+.50 -1.05				10000
	1378	β Hydræ et Crat							51.0			1 04 20				47.38	
	10	γ3 Octantis SP	9	28.	144.	1 18	3.2	18.0	27.3	16.0	0	12 03 22				25.65	1
		o Octantis SP. R										12 12 10	+1.00				
	1492	o Octantis SP 12 Canum Ven										12 18 40	THE REAL PROPERTY.	269 39		24.20 7.97	100000
	1432	A Octantis SP							105.1			20 40 02	-2.10				T.1
	2489	(b) v Cygni							102.1				2.10			17.59	100
	1137	SP.	455							100000	7 I	21 13 14				15.87	T.I
	2577	Piscis Austr										21 35 38				21.51	T.1
		C Octantis R	1000				100			2000000		21 58 09 22 03 33	+3.20			37.87	T.1
	2689	β Piscis Austr							35.5			2 00 00				32.86	
	2689	Companion M										20.923	-30.86			2.00	
100	2741	Fomalhaut M.R							28.8			20.880	-29.12				T.!
	2741	Fomalhaut							80.0			22 59 20				13.54 45.62	1000000
13.40		- Octantis										23 04 10	+1.30				
	2779	(c) 7 App. Sculp							75.8							12.25	T.N
5 June	1570	v Centauri M.R	0	55.0	68.0	74	.8	17.0	66.0	37.8	8	20.730	-22.99	153	00	34.95	T.D
	1570	ν Centauri							35.0			100000	100000	319	07	38.30	T.N
	1604	θ Centauri M.R							43.2			20.807	-26.10				
	1604	θ Centauri z Octantis M.R	25	69.2	65.0	75	.8	52.2	63.7 101.9	45.1		19.423	+29.73	324 5		2.13	T.M
		z Octantis	33	38.0	50.0	29	1	25 9	29.3	27.0	0 1	19.423	+29.75				
		ь S. L							54.5					347 (03	34.97	T.N
""	1505	Scorpii M.R							41.2			20.333	-6.98				
Mary Mary	1705	Scorpii							46.0			2 10 00	19.83			33.99	T.A
District of												23 19 00 23 25 50	36.82				100000
1700	31	α Phœnicis M.R							56.8			21.148	-39.90			7.08	
	31	α Phœnicis,	48	74.8	68.3	76	.06	8.06	61.2	55.0	0			316	19	6.69	T.N
6 June		⊙ N.L	53	78.0	118.0	120	0.3	68.0	143.1	55.3	3			22 4	54	37.56	T.M
	699	α Columbæ	50	28,4	22.0	36	.11	11.5	25.2	02.1	1					20.91	
-1- 1-10		TOctantis SP										1 01 54				42.42	
11111		*(16) *(17)							63.2 78.7			173 (10)		335		52.11 7.14	T.N
		o Octantis SP										2 18 17				24.18	
	1533	Spica M.R	26	52.2	65.6	32	.27	71.0	31.9	55.8	3	19.658	+20.25	122 2	27	11.68	T.M
	1533	Spica							82.0					349 4		2.35	-
	1580	h Centauri Companion M	52	40.1	41.0	55	.03	31.0	47.2	20.8	5	20.548	-15.69			40.44	Street, Square, Square
Total de	1624	λ Virginis M.R	46	36.0	45 3	17	.84	9.0	13.5	34.3	3	21.439	-51.59				
	1624	λ Virginis														31.54	

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-	A STATE OF THE PARTY OF THE PAR		The	rmome	eter.			Micron	100000000000000000000000000000000000000	Geoc. S. P. D. of		NAME OF STREET
rent Zenith Point.	Apparent Zenith Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Paralla	Limb.		Center.	No.	NAME OF STAI
,	0 / 11	Inch.	0	0	0	, ,	, ,	r	, ,	0 1 11		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 23 25.23 37 23 27.24 73 30 6.50 73 30 5.04	807 807 838 838	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				80 51 45.07 81 25 22.80 77 50 19.27 76 20 22.80		#*(1) #*(5) #*(7) #*(8)
	0 55 40.64	.023	60.0	60.5 60.8	52.8	1 29,99 0.93 1 51.10				-1 38 0.22 -1 38 0.60 56 59 38.32 -6 52 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 44 13.99 -0 44 12.81 129 12 3.47 -1 36 58.37 130 32 27.67		A Octantis SP.
9 00	-87 13 50.87 0 10 14.77 -52 49 31.13 -52 49 28.22	29.885	59.5	31.5	53.1	0.17 1 14.58				56 14 11.69 3 13 11.04 3 13 13.95	1137	SP. Piscis Australia C Octantis R. C Octantis.
6.42	0 45 26.12 9 0 44 55.26 3 27 7.45 9 3 27 6 80	29.875	59.5	32.2		0.75 0.76 3.42				56 49 23.62 56 48 52.77 59 31 7.62 59 31 6.97	2689 2741	β Piscis Austral 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 37 58.63 1 37 59.06 56 35 2.77 49 7 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			51.8	7.18				49 7 20.84 54 25 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		188		54 25 50.17 2 32 1.73 2 32 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				22.69 9.68	0.	34 19.724	8.80	77 3 55.84 65 21 32.95 65 21 33.39	1705	b Scorpii R.
	-54 24 39.16 -54 24 33.21	.448				1 22.20				1 37 55.39 1 37 61.34		τ Octantis R. τ Octantis.
6.89	-9 15 0.05 3 -9 15 0.34				-0 -	9.58			15 40 50	46 48 47.12 46 48 46.83	31	
	56 50 30.53 3 -0 13 46.12 -57 40 24.61 10 26 45.08 9 7 0.11	.402 6 .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	7.1)5	15 46.50	112 40 2.07 55 50 10.39 -1 37 59.63 66 30 52.57 65 11 6.21	699	o a Columbæ. r Octantis SP. * (16) * (17)
	-56 46 42.85 23 36 55.35 23 36 55.32 2 48 33.41 2 48 17.72	.291 5 .286 5	57.05	4.3		1 28.83 25.50 2.86				-0 44 14.93 79 41 17.60 79 41 17.57 58 52 33.02 58 52 17.33	1533	Spica.
	21 18 26.07 21 18 24.51	30.265	57.05	3.6		22.76				77 22 45.58 77 22 44.02		λ Virginis R.

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	200	NAME OF STAR			M	icrosco	opes.	-			rometer		rection			uded	of ir.
and	No. A.S.C.	or		A	В	c	D	E	F		ime by lyneux.		Microm. Time.			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		10.00	272	33	29.11	T.M
		(a) b N.L. M				68.6				1	21.805	-1	06.35				T.M
13.	1681	a ^c Libræ Fomalhaut R				68.5							, ,			0.09	T.M
	2741	(b) Fomalhaut				90.0					160		-1.5			59.64 13.19	T.M T.M
1		7 Octantis									59 45					32.68	T.M
	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
y 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	α Columbæ				8 28.€					34 03.5					20.28	T.M
92.00	119	7 Oct. SP. M.R				91.4					19.360		+32.27				T.M
1000	-166	τ Octantis SP									03 00			1990		42.22	T.M
1 10000	913.0	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
1999	and a second	o Octantis SP	17	30.	8 40.	36.0	00.9	40.3	57.9	12	18 20			269	17	24.45	T.M
	1492	12 Canum Ven	8	40.	2 38.	3 85.5	33.5	117.4	16.2							55.53	T.M
The last	1533	Companion M Spica M.R	96	47	0 69	19.6	75	10	50 5		20.502		0.000	1		41.74	T.M
	1533	Spica				161.8					19.524		+14.68	349			T.M
3.8	-0.000	(d) i Centauri M.R				0 18.3					20.490		-13.31			22.70	T.M
	1562	i Centauri				8 58.0								2000000		49.40	T.M
	1604	θ Centauri M.R				331.0					19.578		+23.47				T.M
della h	1604	θ Centauri	188			8 68.0				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.N
	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.N
		b N.L. M				5 51.					20.464		-12.20	100000		34.09	
	1681	a 2 Libræ				0 64.					00 00		0.00	22.200		59.69	T.N
	1721	γ ² Libræ M.R γ ² Libræ				6 24.4 9 34.4					20.324		-0.63	1000000		47.04 27.90	T.N
	1760	γ Lupi M.R				5 35.					19,630		+21.3			56.04	
	1760					0 24.										17.79	T.N
		Ø * (48)									38 58		174			34.57	40000
	31	a Phœnicis M.R				3 53.					21.205	2	-42.0				
	01					0 74.	1							316			283
4 8 June	600	o 's center				7 113.						100				38.33	
	699					7 29.										21.53	T.M
	807	Canopus M. R				0 54.					19.252		+36.4	-		17.59	
	807	Canopus	23	63.	2 68.	4 60.	9 57.	3 54.	8 45.	2				307	23	59.05	T.D
	838	Sirius M.R	38	41.	3 59.	111.	8 75.	0 11.	0 55.	2	20.881		-29.2	128	38	12.97	T.N
	838					564.					1= =0					59.35	
		o Octantis SP. R.	-								17 50 23 32					25.65	
	1494	(e) è Muscæ R				0.66.					20.10	5	+2.0	2 1000000		48.49	
	1494	ð Muscæ	20	29.	8 38.	1 31.	4 16.	0 26.	5 13.	0 12	51 31	1	Bloke	289	20	25.84	T.N
	1533	Spica R				041.					00					12.16	100000
	1570		1 2			3 56.					20.658	5	-20.2			35.24	
	1604		42			2 42. 9 47.					21.279	2	-45.0	200000		34.98	100000
	1604					8 68.							10:0		-	2.15	1000
	1624	λ Virginis M.R	46	34.	3 50.	0 01.	2 66.	0 02.	4 48.	4	21.467	7	-52.9	124	45	40.69	T.M
	1624					2 37.					17 10	1				32.02	
		z Octantis		200	EDIAL A	57 81183	101 64	400				-		1270	1	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	Anna	rent	Zenith		The	rmome	eter.				Microm.		emi-	Coon	9 1	P. D. of		NAME OF STA
rent Cenith Point.		ista		Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Parallax.	opposite Limb.		meter.		Cente		No. ASC	NAME OF STA or PLANET.
"	0	,		Inch.	0	0	0	,		, ,	r	,	"	0				
14.11				30.268				1	18.75						32	0.08		z Octantis.
	21		38.67 53.06	.267	57.0	53.6	50.0		22.42	0.34	22.234		8.62	77		48.88	1681	h a ² Libræ.
3 3	2	27	7.39			44.6		-	19.60					59	-		2741	Fomalhaut R.
6.42		27	6.16					100	3.58					59			2741	Fomalhaut.
933			34.35			44.6			22.73		P. 1911			1000000		59.67		7 Octantis.
	-44	12	56.97	30.227	57.0	44.4		1	57.68	B. DELLEY	123.6	1		11	50	2.10	27	β Hydri.
11/1/3		25		30.209	59.0	64.8	59.0	1	25.62	7.02		15	46.40			3.73	000	0
and the second			46.75 26.65	184	58 5	56.5		No.	0.23			100			50	9.77 61.30	699	a Columbse. τ Octantis SP.
7.95	-57	40	24.81	.104	00.0	00.0		1	31.40					-1	37	59.46		7 Octantis SP.
	100000		44.06	.186	58.0	55.3	52.8			100				100		15.65		o Octantis SP.
7.77	10000		42.58					1	28.34							14.17		o Octantis SP.
200	73	-	48.50	.186	58.0	53.3		3	9.03					100000		54.28	1492	
	73		34.71		-		1	3	8.99		18					40.45		Companion.
6.03			55.26 53.25	.184	58.0	51.0			25.57	e son all	b. (d)					17.58		
	1		44.33	.184	58.0	51.0			1	Brown No.	1					42.83	10000	To prome
6.05	1		42.37		1	PERSON			1.75					100000	700	40.87	1000000	
5.08	_	38	2.25		58.0	50.5		1	1.67							52.83		
0.00	-1	38	6.16	1					1.07					100	1	48.92	1604	
0 40			36.95	1	57.5	50.3		1	19.02		1999			2	32	0.78		z Octantis R.
8.49	-00	-	34.03								la la constitución de la constit				32	3.70		z Octantis.
	21	- 100	27.06 52.66	.178	57 .5	50.8	49.0		22.49		20.905		8.90		5 38		1681	h a 2 Librae.
	14		19.99	.178	58.0	49.5	49.0		19.63	The state of	1.1111					32.19		y 2 Libræ R.
7.47			20.87			1	1		15.45							33.07		γ º Libræ.
6.92			49.01	.178	58.0	49.5	5		6.87						23		1760	
0.0.	-0		49.24 27.54	176	50 /	49.5									23	0.64 28.83	1760	
Lives	_0			30.151					4.54							47.81		a Phœnicis R
7.55			58.38				-	1	9.52							48.85		Contraction of the Contraction
	57	34	31.54	30.143	60.0	64.0	58.0	1	29.41	4.19				113	39	53.51		2
	-0	13	45.26	.143	60.0	64.0	58.0)	0.23					1000	-	11.26		a Columbæ.
	1000	10000	33.42	.141	60.0	63.2	58.0)	50.06							20.23		
8.32	10	40	10.80	100000	00.0	65.3	1		19.15							26.80 29.86		The second secon
0 10	17	25	53.82	.129	60.0	65.5	5	18		- 1					30			
6.10		140	0.4100	1	100	1			17.82					73	30	7.13	838	Sirius.
8.06			43.67		58.	551.8	3	1	28.79			1				15.71		o Octantis S.P
	36		41.14		58 (51.8	2	1								13.18 31.56		o Octantis SP ∂ Muscæ R.
7.17			40.95		100.			-	43.49		1					32.31		
	23	36	54.63	.136		051.8		1	25.49		1.			1		16.87		
5.11			28.45		58.0	0 52.8	8	-	7.09	A STATE				49		21.21		
	-0		31.81 4.01		58.	52.5	5				1	-		49		17.85 51.08		
6.48	-1	38	4.64				1		1.66		1			54	25	50.45	1604	θ Centauri.
6.36			26.10		58.0	52.4	1 52.0	0	22.72							45.57		
	21		25.23 36.12		50	0 52.9	,	1		1	10-16				32	2.02		λ Virginis, z Octantis
	21		15.66			0 52.5		11	18.61 22.41		122.183		7.93			26.55		b

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.	or	A		В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.		eading Circle.	Initials of Observer.
Day.	A.S.C	PLANET.	1 "				-	L	-		0	0.	Circle.	niti bs(
			,	,		"		"	,	A. m. s.	, ,		, ,	-
24 8 June	1681	α ² Libræ	37 6	0.0	65.8	66.5	58.1	68.0	46.2			344 3	8 1.06	T.M
	1760	γ 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
2 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							40.043	+0.34	203 4	4 32.21	T.M
		τ Octantis SP	23 4							11 05 06		268 2	3 39.54	T.M
200		o Oct. SP. M.R				_			_	$ \left\{ \begin{array}{cccc} 12 & 17 & 11 \\ 20.421 \end{array} \right. $	-10.73	202 5	0 51.82	T.M
B 33 F		o Octantis SP							58.5	5/0 / 5/0		2 4 4 2	7 23.28	
	1494	(a) & Muscæ M.R & Muscæ							24.2 11.4				7 50.77	T.M T.M
A THE	1570	ν Centauri M.R				53.6				20.582			0 25.63 0 35.33	T.M
11111	1570	ν Centauri							26.6				7 38.79	T.M
	1604	θ Centauri M.R	42 3	1.1	41.3	26.5	43.9	22.3	31.0	20.691			2 11.30	T.M
D 12 June		7 Octantis SP	23 49						18.8 34.3	10 400			3 41.03	T.M
	1681	b N.L. M	37 5							19.400	+30.40	344 3	9 17.15	T.M T.M
99.90	1816	ρ Scorpii M.R	52 30	0.6	54.0	21.2	58.4	20.0	38.1	20.689	-21.54		2 15.16	T.M
1000	1816	ρ Scorpii	15 59									331 1	5 55.36	T.M
hea	1872	σ Scorpii M.R	19 45							19.675	+19.36			T.M
1000	1872 1900	σ Scorpii τ Scorpii M.R	47 67			20.5				20.220	-0 80	334 4	8 6.19 0 37.08	T.M T.M
	1900	7 Scorpii				43.8				20.220			7 35.85	T.M
	1915	ε Scorpii	0 39	9.5	38.8	43.2	29.8	35.5	20.0				0 34.52	T.M
	1947	k Scorpii							34.3				6 49.34	T.M
	0000	σ Octantis	45 55								12 4790		5 49.26	T.M
	2007	(b) λ Scorpii M.R λ Scorpii							$\frac{52.5}{13.3}$				6 44.50 1 28.66	T.M T.M
	2016	β Draconis							42.5				3 20.94	T.M
100	2071	y Draconis	19 76	6.2	108.3	110.0	50.5	128.0	45.3	17 53 17.5			0 26.42	T.M
A.R.	2101	β Telescopii	11 61										1 59.67	T.M
. 10.1	2110	« Sagittarii	32 58				133773)	000000	808000				2 52.09	T.M
3 13 June	1491 1491	¿ Virginis M.R	51 49							23.030	+5.05		1 51.81	T.M
	1506	g Virginis M.R	15 65	6.5	54.5	03.2	69.4	06.8	52.0	20.000	+6 25		$6 19.53 \\ 0 43.19$	T.M T.M
	1506	g Virginis							17.5				7 30.01	T.M
		D N. L				17.8				Y			3 15.84	T.M
100	1545		33 31							20.155			3 29.60	Town or w
	1545 1565	74 Virginis O Virginis M.R	34 38 44 39							19.537	+24.93		4 43.37 5 3.87	T.M T.M
	1565	O Virginis	23 04							15.007		348 2		T.M
14 June		⊙ N.L. M	32 34	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 34									23 0	0 2.12	T.M
		(c) D.N.L	58 61							23		347 5		T.M.
	1624 182	λ Virginis Achernar M.R	22 28 12 59							22.633	-1 39.95		2 30.41	T.M.
	182	Achernar	56 62							22.000			6 59.62	T.M
4 15 June		O N. L	33 46	6.0	99.0	88.5	51.6	118.8	30.0	1000.3	100	23 3	4 12.73	T.M.
	1111	(d) 2's center	4 24	4.1	76.7	66.3	29.1	95.0	8.5		-0.96		4 49.45	T.M.
	807	Canopus M. R	44 34							20.584	-17.30			T.M.
	807	Canopus	23 66									307 24	4 2.01	T.M.
		43.61		-		st, Ju		th, +5	253.					
		- 10 m	served											
		(c) Tr	emulous	s; a	cloud	interv	ened.							
		(d) Ob	served	beyo	and the	e 5th V	Vire.							

sec. of appa-		rent	Zenith	Barom.	The	ermome	eter.					Microm.	9	Semi-	Geo	- 8	P. D. of		NAME OF STA
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	fraction.	Par	rallax.	opposite Limb.		meter.	000	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.
163	57	7	18.30	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			1		1	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	43	43.51 43.98 41.16	.063	59.0	56.0			43.02						19	19	14.72 29.75 32.57		
7.06			28.54	.071		56.4			7.02						49		21.19 21.73		
1	-1		4.51	30.075	00.0	00.0			1.64						1 22		50.60		
1	21	5	10.36		58.0	55.0	52.1		32.02 22.50		0.34	19.820		8.4	3 77		20.79	1001	r Octantis SP.
5.26	5	11	53.25 51.63			55.0			19.59						61	15	10.59 53.69	1816	ρ Scorpii R.
6.86	8	43	48.57 59.26	.323	58.5	55.5	52.5		8.95						64	48	4.96	1872	ρ Scorpii. σ Scorpii R.
6.47	6	3	59.40 29.71	.323	58.0	55.3			6.19	1		1			62		32.65	1900	σ Scorpii. τ Scorpii R.
0.47	6		29.06 32.27	.323	58.0	55.3			0.06				1		62				τ Scorpii. ε Scorpii.
5/1	0 -55		42.55 17.53			54.6		1	0.05						56	6	39.35 15.14		
6.58	-3	2	37.71	.309	58.0	54.0			3.11						53	1	15.93		λ Scorpii R.
11 11	-3 86	9	38.13 14.15	.308	58.0	53.0									53	1	15.51	2016	β Draconis.
1111			19.63 7.12			52.5			2.93						53	11	46.70		γ Draconis. β Telescopii.
	1000			30.307	1000	1	1000		0.53			18.3 19			55	32	41.52	2110	ε Sagittarii.
5.67			14.98 12.74	30.192					45.90						94				ð Virginis R. ð Virginis.
6.60	24 24		23.60 23.22	.193	57.5	52.4			26.05						80				g Virginis R. g Virginis.
333	27	59	9.05	102	57 5	50 4		1	31.00	26	21.44		15	23.9	83	21	51.38	1000000	D
6.49	28	30	37.19 36.58		3	52.4			31.69			1000			84	35	5.02	1545	74 Virginis R. 74 Virginis.
6.22	22 22		2.92 1.78	30.195	57.5	52.4	51.0		23.95										O Virginis R. O Virginis.
	0.00			30.277	58.5	57.5	53.0		30.51		7.10		15	45.8			54.52		0
1	21	54	55.33 56.65			52.4				21	6.44				77	22	00.18 23.87		0
7.76	-24	7	0.30	30.376		52.4			22.87 26.30			The same	No.		31	56	43.24 21.34	182	Archernar R.
7.70	-24	7	7.17						20.00			le sui	100		31	56	23.28	182	Archernar.
TANK!	58	30	42.66	30.377		57.0			31.08		7.10		15	45.7			40.97	19	⊙ 9
7.70	-18	40	6.60 4.78	30.360					19.60	1	4.40					23	30.55		Čanopus R. 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		NAME OF STAR		45	01	icrosc	opes.			Micrometer	Correction		luded	Initials of Observer.
and	No.	07		A	В	C	D	E	F	Molyneux.	fo Microm. or Time.		ding circle.	tials
Day.	A.S.C.	PLANET.		*	-		-	-				1000		OPP
Day.			,		"	0			-	r. h. m. s.	, ,	0 /	,	
15 June	1818	π Scorpii M.R	46	44 (60 1	97 (77 1	28.8	11 1	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
	1947	k Scorpii						50.5				326 06	49.86	T.M
		σ Octantis	45	57.	8 57.1	71.6	6 14.8	67.5	19.0	17 11 00	+0.13	270 45	48.18	T.M
16 June		μ Centauri M.R	47	52.	5 55.6	47.5	58.3	35.3	54.7	20.282	-5.12		45.53	
		(a) v Centauri	100					37.6						
	200200	(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					34.54	100000
	1731	15 Lupi M.R						18.0			-43.77		0.33	T.M
	1731	15 Lupi						15.8			4 50 00		13.92	T.M
		(c) γ Lupi M.R						5 29.2			-4 50.29		3 14.84	
	1760	δ Scorpii M.R	22	20	0 41	20.	0 50	5 14.0	107.0	20.273	1 0		3 26.43	
	1800	b Scorpii						8 51.0			-4.04		4 48.16	
		(e) & Scorpii	7.7	41.	201.	02.	240.	01.0	04.0	15 51 00		337	1 40.10	T.M
	1020	D N. L	28	58.	5 62	7 63	0 57	1 62.6	3 44 (8 58.36	
	1885	Antares M.R						4 01 . 5			-20.13	138 1	2 12.11	T.M
	1885	Antares						8 63.0				333 5	6 0.97	T.N
17 June	1542	∂ Centauri M.R	41	38.	8 52.	8 30.	0 58.	2 27.8	8 48.5	19.640	-20.7	150 4	2 1.90	T.M
	1542	d Centauri						7 70.7				321 2		120020
	1570	v Centauri M.R						1 24.8			-6.29		0 35.47	20120
	1570	v Centauri	7	44.	0 41.	0 51.	0 28.	5 38.1	1 20.9	2		T100000 00	7 37.76	10000
		z Octantis	33	35.	6 41.	2 50.	8 53.	7 48.0	0 58.	14 16 12			3 28.23	
	1646	γ Bootis						3 118.5		00 00	01.0		8 25.55	
	1001	b N.L. M	12					9 48.0			-21.6		2 20.72 7 59.29	
	1681	a ² Libræ	37					261.			0 60		6 38.95	
	1705	Scorpii M.R						0 14. 5 35.			-0.0		1 31.42	100000
	1760	γ Lupi M.R	44					4 23.			15 1		4 57.32	
	1760	7 Lupi						3 16.			710.1		3 16.47	
	1835	θ Lupi M.R	29	51.	0 64	0 39	0 72	6 35.	5 60	8 20.94	-31.6		9 22.42	
	1835	θ Lupi	38	54.	0.58	0.62	0 45	3 54.	7 34	0	0110		8 51.91	
	1885	Antares M.R		39.	5 52.	7 14.	271.	8 09.	4 56.	3 19.33	+30.9		2 11.22	
	1885	Antares		60.	6 63.	9 66.	4 59.	4 63.	5 48.	0			6 0.94	
	1905	σ Herculis	4	1 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.	0		39 1		
	100000	D S.L	2'	7 69	170.	474.	0 64.	8 69.	1 53.	2		333 2	8 7.07	T.N
	1	σ Octantis		5 54	8 58.	5 70.	5 14.	5 68.	2 17.	5 5 08 27			5 47.41	
	1986			9 65	6 67.	571.	0 63.	3 68.	2 52.	2	1	335 1		
	2039		5	4 51	.1 67.	3 28.	283.	4 24.	0 66.	2 21.55	8 -56.5		3 56.68	
	2039	p Sagittarii	1	4 16	2 18.	7 19.	8 13.	7 17.	5 02.	8		332 1	4 15.76	5 T.1
19 June	699	α Columbæ	5	0 30	.9 28.	6 35.	0 19	8 25.	7 10.	0	1097	325 5	0 25.04	1 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		1 57.48	100
	000	⊙ S. L		9 63	.81120	.0 101	.874	0 133	.754.	5		- No. of the last	0 31.29	400 Marian
	807	Canopus	12	0 01	. 8 70.	4 69	. 8 54	.964.	0.44.	7		307 2	4 2.32	1.1

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.	000	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		43.07	.357	57.	05	3.3			0.05			1010			56		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	5.G	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		19-191				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							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.
6.54	7			30.278						8.11		01.40						59.54	1885	*
0.04	7	51	54.18	-						8.11			1 19319			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 =	0 1			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.
	0.00		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
1000	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	200	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	.212	56.	05	3.6			9.70										σ Herculis.
			58.52 0.28	.212					3			31.60		16	19.7			52.71	1913	η Herculis.
	-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.
					-					2 22										
	-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	FG .	1	27.80		7.06			10.4	1110		28.25	807	O Canopus.
	-18	40	03.04	29.988	00.	0	1.8	58.8	5	19.23	1					01	20	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		М	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.											Tig
			1 11	"	"	11	11	"	h. m. s.	, ,,		/ //	
20 June	838	Sirius M.R	38 45.8							-34.08	128 38	9.92	T.B
	838	Sirius	29 60.0	10000	10000		1 300	33333	1 600		343 30		3 1939
23 June	699	a Columbae	-	31.6					100	0.00		25.01	
1	734 734	a Orionis M.R	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	67.2	49.0	24.3	80.1	02.8	10-1000 CERTS	22 44		39.34	The same of
700	838	Sirius	29 60.2	66.0	63.0	62.5	66.2	49.2	20.982	-33.44	343 30		No. of Concession, Name of Street, or other Concession, Name of Street, or other Concession, Name of Street, October 1981
	9.88	♀ N.L	46 52.8	108.0	99.8	64.8	123.0	42.5	2 300	11/11/11	23 47	22.04	1000000
	1533	Spica M.R	26 36.2							+35.17			10000
	1533	Spica μ Centauri M.R	40 59.2 47 43.2								349 41	1.48	
1	1572	μCentauri	20 32.8	31.0	37.0	19.0	27.0	10.8	20.173			26.58	
10	1623	λ Bootis	44 41.0	91.0	81.5	24.5	108.4	13.1		1.55 1194	46 45	0.40	T.N
	1639	θ Bootis		50.0								21.74	
200	1646	γ Bootis	57 70.2 15 52.0							06 40		32.77	T.N
	1681	(a) α ² Libræ	37 60.2									59.70	
	1708	β Bootis	58 29.5	82.3	71.0	20.2	100.2	7.0			40 58	52.07	T.N
- 10	1760	γ Lupi M.R	44 37.0	48.3	30.0	52.0	22.1	44.8	19.714			56.46	
		γ Lupi	23 22.8 49 42.0	30.5	27.7	39 0	14.4	59.0				37.11	
	2689	Companion M	10 42.0						20.894	-29.89			100000
	2741	Fomalhaut M.R	37 44.4						21.509			55.99	T.N
	2741	Fomalhaut	31 17.3								329 31	17.15 32.11	T.M
	2779	y App. Sculp	35 19.5						23 00 02			17.51	
100	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
	2841	n Piscium	19 33.5									39.87	
100	2870	r Piscium M.R	3 48.7 4 33.0						20.384	-9.32	119 93	34.98	T.A
		(b) D N.L	46 11.4									7.40	
	86	m Ceti M	58 39.0							-55.30			T.A
	103	Piscium M.R	7 30.8						18.891	+50.90			
	103	ε Piscium	59 50.8 17 43.6						01 502	-55.26	7 00		
	161	y Phœnicis	51 30.1						21.523			24.35	
	699	a Columbae	50 30.8	30.7	36.6	20.3	28.4	09.4			325 50	26.07	T.N
	734 734	a Orionis M.R	45 54.9	47.7	19.5	54.0	18.5	52.8	18.910	+50.14			
4000000	104	α Orionis	21 22.9	57.0	40.0	39.0	59.0	23.7			7 21	40.33	T.A
25 June		⊙ N.L. M	39 41.1							-44.69		21.15	
	838	⊙ S.L Sirius M.R	7 31.9 38 54.0	86.7	66.4	41.0	97.0	22.4	01 174	41 90		57.75	1000000
	838	Sirius	29 61.0	65.1	63.5	61.0	65.7	48.8	21.174			7.39	100 0
	1	D N.L. M.R	The second second							(-8.51		44.06	
		(c) D N.L	23 22.0					_		+42.88		25.74	
06 1							120.19						1
26 June		z Octantis M.R z Octantis	35 27.8 33 32.1	06.8	42.7	45.8	38.3	01.2	20.884	-29.48			200
		ь N.L. М	17 47.1	54.6	50.0	51.5	55.2	43.5	22.674			8.91	
	1681		37 60 0	63 0	61 8	60 0	60.0	40 6			344 37		

 ⁽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 Zenitl		The	rmom	eter.	2000		-		Microm for		Sen	ni-	Geo		P. D. o		NAME OF
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refra	ection.	Pa	rallax.	opposite	e d	iame		Geor		ter.	No.	NAME OF ST
,	0 / #	Inch.	0	0	0	,		,		r	,	-	,	0	,	,		PLANET.
5.54	17 25 55.94 17 25 55.29		60.0	61.8	58.8	1	7.87								30	10.56 9.91	838 838	Control of the same
5.52	-0 13 40.85 41 17 32.84 41 17 32.15	30.274					0.23							97	22	15.67 20.25 19.56		a Orionis R.
	57 05 07.83		58.0	59.6	55.2				7.06		15	4.5	.20	113	26	11.62	104	0
5.61	57 36 33.48 17 25 56.65	.266	58.5	60.2	56.0		0.67 8.09		7.10		10	-10	.20	73	30	08,60 11.49	1000000000	The second second
0.01	17 25 56.14 57 43 16.18		59.0						4.26	20.370		4	.38	113	48	10.98 35.11	838	2
5.21	23 36 56.92 23 36 55.62		58.7			2.	5.37							79	41	19.04 17.74	1533	Spica.
6.27	-7 43 40.10 -7 43 39.28	.285					7.87							48		9.60	1572	μ Centauri.
	80 40 54.54 86 20 15.88	.290	58.5	57.2	54.0		9.30									30.59	1639	θ Bootis.
	72 54 26.91 21 11 23.58	.295				2	6.34		0.33			7	.91		15	30.00 34.58		h
	18 33 53.84 74 54 46.21	.296				3 3	9.49							131	2	10.08 14.79	1708	a ² Libræ. β Bootis.
5.74	-6 40 50.60 -6 40 50.85	.298					6.80				10			49 49	22 22	59.35 59.10	1760 1760	y Lupi.
	0 45 31.25 0 45 01.36	.236	57.5	56.2			0.78							56	48	28.78 58.87	2689	Companion.
6.57	3 27 09.87 3 27 11.29	.235	57.5	56.2		:	3.50							59 59	31	10.12 11.54	2741 2741	Fomalhaut R. Fomalhaut.
	-54 24 33.75 0 31 11.65	.234					0.87							1 56	38 35	2.13 8.92	2779	7 Octantis.
	30 15 35.24 30 15 34.01	.234	57.5	56.2		33	3.83							86 86	20	5.82 4.59	2841	n Piscium R.
	27 00 30.88 27 00 30.94	.234	57.5	56.2		25	9.56							83 83		57.19 57.25		
	33 42 01.54 31 53 46.86	.240 8					6.72 3	32]	12.10		15	54	.10			30.81 19.75	86	m Ceti.
0.09	40 55 58.33 40 55 58.79	.240 8	57.05	55.2		50	37							97 97		45.45 45.91	103	ε Piscium R. ε Piscium.
5.90	-10 12 41.58 -10 12 41.51	.240 5	57.05	55.2			.47							45 45		4.70	161	γ Phœnicis R. γ Phœnicis.
5.94	-0 13 39.79 41 17 34.32	30.2125	59.06	53.05	58.0		0.23									16.73 21.27	734	α Columbæ. α Orionis R.
0.54	41 17 34.47													97	22	21.42	734	a Orionis.
	57 35 15.29 57 03 51.89					1 29 1 27			7.10 7.06		15	45.	-57 E No.			49.42 54.68		0
4.53	17 25 58.47 17 25 55.81	.172 6	50.06	33.8	8.8	17	.91									13.13 10.47	838 838	Sirius R. Sirius.
4 00	40 19 21.80	30.180 5	57.04	19.64	8.6	49	.743	7 0	7.87		15	40	27			18 05		D
2000	40 19 19.88				1		2.7		1		10	42.	01			16.13	1	D
-	-53 30 41.79 -53 30 41.43				3.3	1 18				367				2 :	31	56.46 56.82		z Octantis R. z Octantis.
	21 12 03.05 18 33 53.83				1		.55		0.33	23.064		7.	87			14.15	681	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		NAME OF STAR			M	licroso	copes.			Micrometer			Concluded	of er.
and	No.	OF STATE		A	В	C	D	E	F	or Time by Molyneux.	for Microm or Time.		reading of Circle.	Initials of Observer.
Day.	A.S.C.	PLANET.		-	-			-	-					Phil
7			,	#	"	0	"	"	"	h. m. s.	1 11	0		
oc Inno	1700	(a) β Bootis M	50	30 0	85 (79	5 24.7	1030	15 1	01 950	-1 08.4	40	EQ 40 80	5 T.M
26 June	1731	f Lupi M.R					371.							-
	1731	f Lupi					0 06.				1		27 11.20	
	1760	y Lupi M.R					6 45.0				+1 24.9			
	1760	γ Lupi					2 05.8				- 13 13 18	319	23 15.24	T.M
		(b) A Scorpii M.R					2 86.0				-21.4	2 136	58 22.39	
	1806	A Scorpii					0 41.					335		
	1885	Antares M.R					0 64.				-20.4		12 16.29	
	1885	Antares					9 59 .5 6 27 .4					10000	55 59.3	
	1915	σ Octantis								17 08 10			45 43.8	lane -
10	2007	λ Scorpii M.R					2 58.				+7 8		06 44.9	
	2007	λ Scorpii					8 18.				1		01 26.2	
100	2043	, Telescopii M.R					8 68.				-39.7			
	2043	7 Telescopii	0	69.5	2 68.	177.	4 57 .	8 67.0	47.0				01 4.7	5 T.M
	2071	γ Draconis					6 60.				10000		20 32.8	
	2110	& Sagittarii					0 45.						32 50.8	
100	166	η Piscium M.R					8 36.			22.74	3 -1 44.4			
	166	η Piscium	28	58.	197.	984.	9 70.	7 108.0	0 56.7		. 11 1		29 19.5	5 T.M
		D N.L. M.R	31	46.	5 42.	1 20.	5 38.	4 19.	7 36.0	18.44	7 { -11.1	9 99	32 31.8	9 T.M
		(c) D N.L	35	30	0.54	8 50	0 35.	2 67	1 95	1			35 32.3	3 T.M
	734	a Orionis M.R					2 90.				4 +11 6	6 104	46 30.6	
or and the	734	a Orionis	21	26.	151.	040.	4 35.	4 54	3 26.4	13.00	******		21 38.9	
100000					diam.			100	1					
\$ 27 June		⊙ S.L. M					7 62.				2 -20.5	7 23	3 03 56.0	4 T.N
Inch		⊙ N.L	34	59.	0 113.	093.	271.	1 123.	2 52.	0			35 25.6	
1,000		♀ N.L					0 26.				1	200	3 28 41.6	1000 000
	1575	η Ursæ Majoris	1000				7 06.						59 40.1	
	1624	λ Virginis M.R					3 60.				2 -54.4		4 45 39.1	
	1624	λ Virginis					8 30.				1	100000	7 22 30.7 2 33 26.1	
	1646	γ Bootis					000.				1 19 19		3 58 29.7	
	1040	12 N.L. M	10000		Company of the last of the las		1 47.				2 -2 22.3		7 16 24.5	
	1681	a 2 Libræ M.R	30				0 66.						7 30 10.8	
	1681	α ^c Libræ	37	59.	4 63.	161.	4 59.	8 61.	8 49 .				4 37 59.7	
	1708	β Bootis	58				8 18.						0 58 51.5	
	1836	β¹ Scorpii M.R					4 64.				4 +7.6		1 29 41.9	
	1836	β¹ Scorpii	38	29.	6 29.	0 32.	7 26.	9 30.	8 18.	0			0 38 28.5	
	1885	Antares M.R	12	45.	9 57.	1 20.	3 76.	3 14.	961.	20.97	-33.0	0 13	8 12 12.6 3 55 58.9	O T.
	1885						5 58.				13		2 42 40.6	
	1915	44					2 07.						6 00 31.4	
	1010	(d) σ Octantis					8 13.					1200	0 45 45.9	
	100	(e) Planetary Nebula								3 18 01 13		0.000	6 06 52.4	
		(f) D N.L					4 59.					18	8 07 11.1	3 T.M
8 28 June		σ Octantis M.R	20	50	5 35	0.79	2 12.	0 71	5 30	4 20.61	6 -18 6	9 20	1 22 28.8	3 T.M
	Town of	σ Octantis								0 17 10 00			0 45 43.0	1000
	2043						574.						9 07 8.0	
	2043						0 62.						3 01 4.6	
1, 1 July	100	⊙ N.L. M	1000			200 12000	251.	0.000		District Control	0 -34 1	6 9	3 22 37.3	2 T.M
7 - buly	100	0 S.L					0 54.				-54.1	1000	2 51 13.8	
	1580						8 35.				1 19 19 19		8 52 37.0	
	1580									20.55	2 -16.0		8 52 20.9	
				Mol	mens	fast	June	27th	30%					
(a) Bac	observ	vation. Observed an interva	il be							rs have beco	me crabby.	Earl	y in the eve	ening
		Correction for Curvature of					1	-		were well de				

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 appa-	Appar	ent 2	Cenith	Barom.		rmome	ter.					Microm.	S	emi-	-	Geoc.	s. F	. D. of		NAME OF STA
rent Zenith Point.	Di	stanc	e.	Barom.	Attach.	Out.	Wet Bulb.	Ret	raction.	Par	rallax.	opposite Limb.	dia	nete	r.		ente	T.	No. ASC	or PLANET.
"	0 1		0	Inch.	0	0	•	,	,	,	,	r	,	"		0	,	ø		PLANEI.
	74 5	54 4	2.80	30.229	58.0	54.5		3	32.38					n de la constante de la consta		131	2	11.93	1708	β Bootis.
5.93			5.21	.229	58.0	54.5			4.46							60		6.42 6.55		f Lupi R. f Lupi.
6.17	-6	10 5	0.62	.229	58.0	54.2			6.82							49	22	58.70	1760	γ Lupi R.
(2.27)	9 (5 4	3.47	.229	58.0	54.0			9.32							65	9	49.54	1806	A Scorpii R.
7.81	7 :	51 4	6.29	.229	58.0	54.0	52.8		8.05								55	54.37	1885	A Scorpii. Antares R.
7.01			3.47	.229	58.0	54.0			0.06							63 56				Antares. ε Scorpii.
	-55			.225	57.5	55.8		1	23.63							0	44	11.10		σ Octantis.
5.59			9.09	.225	57.5	55.5			3.09							53 53		14.03		λ Scorpii R. λ Scorpii.
6.13			1.64	.225	57.5	55.5			3.09							53 53				γ Telescopii R. γ Telescopii.
	85	16 2	6.94	.224	57.5	55.8	53.6												2071	y Draconis.
			5.01			55.8			0.53							55	32	41.21 16.75	2110	ε Sagittarii. η Piscium R.
5.91			3.69	.100	00	10.2		1	6.40									16.84		
(2.11)	1000		33.97	.148	54.5	46.3		1	02.13	41	10 00		15	21	95	101	39	48.71		D R.
	40		26.47 35.24	30.155	58.5	60.0		1.		77	12.20		10	01.	00	101	39	41.21 22.39	734	a Orionis R.
4.81	41	17 3	33.13						50.40							97	22	20.28		
	56	59 5	0.18	30.147	59.2	60.9	58.0	1	28.00		7.05		15	45.	10			52.97		0
			19.78 35.80	.134	60.2	61.2	59.0		29.78 29.30		7.08	20.343				AAU		54.11 53.76		⊙ ♀
			34.26 26.69	.058	58.5	51.4	186	8	21.78							140	7	52.79 46.18	1575	η Ursæ Majoris λ Virginis R.
4.98			24.93	.057	30.0	50.4	50.0		22.74								22	44.42	1624	λ Virginis.
	The second second		39.71			50.6			18.64 7.15				1			129		58.40 27.74	The same of the same of	z Octantis γ Bootis.
	21	12	18.69	.050	58.5	50.8		0	22.59		0.33	24.078		7	.99	77	16	29.71		b
5.33			54.98 53.91	.049	58.5	50.8			19.56									11.29		
	74	54	15.66	.040	58.5	50.2		3	32.92							131	2	15.33	1708	β Bootis.
5.28			23.88	.037	758.0	50.4			15.15				1			70	38	35.78 34.61	1836	β¹ Scorpii.
5.78			53.21 53.04	.034	1 56.	5 49 . 0	47.	8	8.07			Files,								Antares R. Antares.
	100			30.039	2 56.	5 48.3	3	4	1.55							132	46	33.07	1905	σ Herculis.
	-0	03	34.39	30.035	1			1	0.06			1	1					22.30 12.32		ε Scorpii. σ Octantis.
	0	02	46.62		100	100			0.05	5					-	56	6	43.42		Planetary Neb
	1000			29.95				1	14.48	44	18.18	81	15	21	.53			36.79		D σOctantis R.
5.93	-55	18	22.84					1	23.53	5			1				44	10.25		σ Octantis.
6.36	5 -3 -3	03	02.16	29.89	6 58.	0 50 .	6	-	3.09	1			-			53 53		51.50 52.49		
	57	18	32.13	30.37	8 55.	0 52.	8 52.	0 1	31.18	3	7.0	8	115	45	00	113	8			0
	56	47	08.64		1000				29.38	3	7.0	4	10	40	.00	IIIO		12.73		h Centauri.
1	2	48	15.74		00.	10.	1		2.0	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

1774 1774 807 807 838 838	PLANET. z Octantis η Centauri M.R (a) η Centauri ½ N.L 40 Libræ M.R 40 Libræ Canopus M. R (b) Canopus M. R Sirius M.R Sirius M.R	33 34 33 17 22 45 44 24 38	34.9 43.4 06.8 38.6 42.0 34.9 09.0 36.9	2 38. 4 49. 8 11. 6 67. 0 43. 9 30.	24.83.44.41.02	1.0 6.0 1.8	39.8 39.2	20.6	34.4			of C	27.73	T.M
1644 1644 1774 1774 807 807 838 838	z Octantis η Centauri M.R (a) η Centauri h N.L 40 Libræ M.R 40 Libræ Canopus M. R (b) Canopus M. R Sirius M.R Sirius M.R	33 34 33 17 22 45 44 24 38	34.0 34.5 43.4 06.8 38.6 42.0 34.9 09.0 36.5	0 41. 2 38. 4 49. 8 11. 6 67. 0 43. 9 30.	24.83.44.41.02	4.1 1.0 6.0 1.8	59.8 39.8 39.2	42.0 20.6 38.2	03.3	7. h. m. s. 14 16 01 20.315	-6.53	° '	27.73 26.77	T.M T.M
1644 1774 1774 807 807 838 838	η Centauri M.R (a) η Centauri ½ N.L 40 Libræ M.R 40 Libræ Canopus M. R (b) Canopus Sirius M.R Sirius M.R	33 34 33 17 22 45 44 24 38	34.0 34.5 43.4 06.8 38.6 42.0 34.9 09.0 36.5	0 41. 2 38. 4 49. 8 11. 6 67. 0 43.	2 4 8 3 4 4 4 1 0 2	4.1 1.0 6.0 1.8	59.8 39.8 39.2	42.0 20.6 38.2	03.3	A. m. s. 14 16 01 20.315	-6.53	272 33 153 34	27.73	T.M
1644 1774 1774 807 807 838 838	η Centauri M.R (a) η Centauri ½ N.L 40 Libræ M.R 40 Libræ Canopus M. R (b) Canopus Sirius M.R Sirius M.R	34 33 17 22 45 44 24 38	34.9 43.4 06.8 38.6 42.0 34.9 09.0 36.9	2 38. 4 49. 8 11. 6 67. 0 43. 9 30.	8 3 4 4 4 1 0 2	1.0 6.0 1.8	39.8 39.2	20.6	34.4	20.315		153 34	26.77	T.N
1644 1774 1774 807 807 838 838	η Centauri M.R (a) η Centauri ½ N.L 40 Libræ M.R 40 Libræ Canopus M. R (b) Canopus Sirius M.R Sirius M.R	34 33 17 22 45 44 24 38	34.9 43.4 06.8 38.6 42.0 34.9 09.0 36.9	2 38. 4 49. 8 11. 6 67. 0 43. 9 30.	8 3 4 4 4 1 0 2	1.0 6.0 1.8	39.8 39.2	20.6	34.4	20.315		153 34	26.77	T.N
1774 1774 807 807 838 838	(a) η Centauri	33 17 22 45 44 24 38	43.4 06.8 38.6 42.0 34.9 09.0 36.2	4 49 . 8 11 . 6 67 . 0 43 . 9 30 .	41 02	$\frac{6.0}{1.8}$	39.2	38.2						
1774 807 807 838 838	40 Libræ M.R 40 Libræ Canopus M. R (b) Canopus Sirius M.R Sirius M.R	22 45 44 24 38	38.6 42.0 34.9 09.0 36.2	667. 043. 930.	02		08 0				+0.90	010 03	41.78	T.1
1774 807 807 838 838	40 Librae	45 44 24 38	42.0 34.9 09.0 36.9	043. 930.		7 5			00.6				9.03	
807 807 838 838	Canopus M. R (b) Canopus Sirius M.R Sirius	44 24 38	34.9 09.0 36.2	30.	04									
807 838 838	(b) Canopus	24 38	09.0 36.2		0 2								40.28 7.65	1 100
838	Sirius M.R	38	36.2	015.								307 24		
	Sirius													100000
1885	⊙ S. L. M		61.4						50.0			343 30		-
1885		47	38.5	89.	6 7	5.0	44.0	106.4	25.2	21.680	-1 01.59	22 47	1.61	T.N
1885	⊙ N. L								47.9				24.71	T.N
	Antares M.R										-34.92			
		55	57.5	60.	2 6	3.0	57.0	60.2	44.6			333 55	57.73	T.N
	Ø N.L	57	12.2	65.	2 49	9.4	18.3	78.8	01.0		This is	22 57	37.02	T.N
	(a) ⊙ S. L	25	45.5	104.	0 8	1.4	54.2	112.9	34.6	Yeary	19600	22 26	11.98	T.D
1681	a 2 Libræ M.R	30	40.8	55.	2 09	9.4	71.8	08.6	55.4	28.892	-29.81	127 30	10.13	T.N
1681	a 2 Libræ										100000	344 37	58.32	T.N
	ν¹ Libræ M.R													
														100000
														1000
		A CALL												T.N
1885	Antares													1 mm
1905	σ Herculis											42 42	41.36	T.N
1915	ε Scorpii													
2071														T.N
2110	ε Sagittarii										ME TO S			
	b N.L. M.	17	34 2	49	0 25	8 1	39 4	49 3	31 5	20 480	_13 10	347 17	23 31	T.N
1681														
1681		37	58.4	61.	5 59	9.2	58.8	59.4	49.2					
1768														
											20.00	332 24	23.08	T.N
										19.435	+28.96	224 44	45.95	T. N
	β¹ Scorpii M.R	29	43.1	56	3 1/	5.6	73 7	12.8	58 3	20.240	-3 51	131 29	39.83	T.N
1836	β¹ Scorpii	38	26.5	30.	0 30	0.1	26.8	30.1	15.5	20.210				
	Companion M									19.867				
7	(e) DN. L	19	24.9	43.	8 29	9.2	37.2	41.4	30.0		10000	2 19	34.84	T.M
1465	γ Virginis	25	57.0	74.	4 60	0.8	69.5	70.3	58.8	1	The same			
1488	ψ Virginis	20	18.0	26.	0 18	8.0	23.2	23.7	15.0					
1534	7 Octantia M P	20	12.0	16	5 4	3.0	55.8	66.0	46.7	10 745	120 40			
76 14		33	28 0	34	0.4	4.8	44 2	48.4	19.0	19.745				1000
	b N. L. M	17	35.8	3 48	0.40	0.0	44.8	47 6	33.4	20.674				
1681	a 2 Librae M.R	30	44.0	61.	0 13	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.	1 59	9.8	59.8	60.7	49.0	THE PERSON OF				
	1681 1711 1711 1835 1835 1885 1905 1915 2071 2110 1681 1768 1768 1800 1836 1836 1465 1488 1534	1885	1885	Antares	Antares	1885	1885	Antares	1885	1885	1885	1885	1885 (c) (d) \odot N. L	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

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.		istar		Barom.	Attach.	Out.	Wet. Bulb.	Ref	raction.	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			1 9			7.87							27.30 25.47		
	21	13	3.84 33.58		55.5 55.5				23.24	1000	3 20.530		7.61	77	17	15.89 35.23		b
5.95	4	41	35 09	100000					4.90					60	45	36.74 34.52	1774	40 Libræ.
6.44	-18	39	2.46 59.97	and the same	55.0				19.77					37	23	37.01	807 807	Canopus.
4.39	11	20	58.76 57.16	30.377	55.0	54.4			18.36							13.87 12.27	838 838	
MARINE THE				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	7.0	7			63	55	54.91 59.85		
0.00	,		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	7.0		15	45.10	112				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	1711	ν 1 Librae R.
4.49	-2	25	18 71 16.39	.125	55.0	52.1			2.46					53	38	34.69 37.90	1835	θ Lupi R.
4.29	7	51	16 39 52.91	.126	55.0	50.2	49.3		8.08	MY MAN				63	55	57.74	1885	θ Lupi. Antares R.
4.29			52 51 36.87	.126	55.0	50.2	49.3	4								57.34 35.05		Antares. σ Herculis.
	-0	3	33.62	.126	55.0 55.0	50.2	49.3		0.06					56	0			ε Scorpii. σ Octantis R.
4.62	-55	18	26.35			· · · · · · · · · · · · · · · · · · ·			24.36					100	44		2071	σ Octantis.
	00	10	16.45	30.164	34.5	30.0	48.0		0.53					55	32	39.77		
				30.357					22.81	0.3	3 20.847		7.40			30.65		ħ.
3.50	18	33	55.85 53.87		55.0				19.72					74	38	$12.32 \\ 10.34$	1681	α ^e Libræ.
3.86			19.85 18.59	.358	55.0	51.8			6.53							23.13 21.87		
4.09	8	40	41.57	.363	55.0	51.6			8.97					64	44	47.29	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			3			15.28					70	38	46.31	1000	Companion.
				30.424						32 19.9	2	14	58.34			51.65	1405	D
	25	16	00.75 16.19	.428	55.5 55.5	55.0			38.45						-	35.95	1488	
2 00	89 -53	16 30	21.88 42.30	.418	55.5 55.0			1,	10 20					2	31	55.07	1534	z Ursæ Majori z Octantis R.
3.83	-00	00	43.62 16.36		55.0			1	19.38	1000	3 21 . 103		8 66			53.75 26.97	6	z Octantis.
4.22	18	33	54 93	30.465					19.77	1000	1		0.00	74	38	11.45		a c Libræ R.
	18	33	54.39	1					11916	111111111111111111111111111111111111111				14	38	10.91	1081	a Libre.

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		30	M	icrosc	opes.			Micrometer				luded	Initials of Observer.
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.				-		-			100000000000000000000000000000000000000				E E
Luj.			,	"		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						0.00	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			5.69	T.M
	1872 1889	a Normæ			25.0							334		2.20 21.16	T.M
	1905	σ Herculis			70.0									40.98	T.M
	1913	η Herculis			96.8									6.04	
	(6)	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				T.M
	100	σ Octantis	45	45.9	52.0	62.8	05.7	63.0	06.0	17 10 20	+.04	270	45	39.22	T.M
	2007	(a) λ Scorpii M.R			60.0							-	200	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			4.85	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	T.M.
	734	a Orionis M.R			34.7						+0.12			29.40	
	734	α Orionis			50.1							1		37.36	100000
		ÿ's center			77.0							22	16	49.12	T.N
	807	Canopus M. R			523.0						-18.43	100000		3.75	T.M
	807	Canopus			77.8						00 00	307		9.01	T.M
	838 838	Sirius M.R			48.4 67.4						-29.20	343		3.77	T.M T.M
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									48.45	
	368	e Eridani			359.0									53.39	T.M
	699 838	a Columba			34.0						-38.44			28.24 3.80	
	838	Sirius			66.8						-30.44	343		3.57	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									18.47	T.M
	1533	Spica M.R			69.8						+11.74	12000		7.49	100000
	1533	Spica			8 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			48.83	-
	1624	λ Virginis			31.5									30.16	
		z Octantis			33.5									20.84	
		ь N.L. М			42.1										
	1681	a Libræ M.R			974.4						-46.95			10.14	
	1681	a 2 Libree	37		063.4									59.50	10000
	1708	β Bootis γ Libræ M.R			5 81.0 0 48.3						-11.17			51.95	
	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				
	1835	θ Lupi	38	50.5	554.2	57.0	42.5	50.0	31.2			323	38	48.14	T.N
	1872	σ Scorpii M.R			662.0						+19.20				
	1872	(d) σ Scorpii	47	62.5	268.0	67.0	04.3	06.7	50.5			334	48	3.93	1.1

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.	200	ermome	eter.	Refraction.	Parallar	Microm,	S	iemi-	Geod	. S.	P. D. of		NAME OF ST
Zenith Point.	Distance.	Darom.	Attach.	Out.	Wet Bulb.	Actiaction.	Paranax.	Limb.	dia	meter.		Cent	ter.	No.	or PLANET,
7.	0 / 0	Inch.	0	0		, ,	, w	r	,	ø	0	,	"		FLANEI.
4 15	18 18 18.59	30.465	55.0	51.8		19.50		60	100		74	22	34.84	1711	ν¹ Libræ R.
4.15	18 18 17.91 6 20 19.69	.465	55.0	51.0							62	24		1768	ν¹ Libræ. Libræ R.
4.07	6 20 18.84 0 48 18.77					6.56 0.83									Libræ, χ Serpentis.
3.95	8 43 58.80 8 43 57.71	.465	55.0	50.6		9.08					64	48 48	4.63	1872	σ Scorpii R. σ Scorpii.
	-0 24 43.33	405	E4 E	FO 4		0.43		Kinn!			55	39	12.99	1889	a Normæ.
	7.6 38 36.49 73 7 1.55			50.4		4 4.05 3 12.34					129	14	37.29 10.64	1913	σ Herculis. η Herculis.
4.50	-55 18 25.28	.466	54.5	51.0	50.2	1 25.11					0	44			σOctantis R.
	-55 18 25.27 -3 2 40.75	.466	54.5	51.0							53	44	6.37 12.86	2007	σ Octantis. λ Scorpii R.
4.66	-3 2 40.41 -3 3 0.36			51.0		3.14					53 53	1	13 20	2007	λ Scorpii. γ Telescopii F
3.23	-3 3 2.89	10000				3.15					53	0	50.71	2043	γ Telescopii.
	85 16 15.09 -35 26 54.01	.442	53.0	$51.0 \\ 43.4$		42.63							20.11		ð Hydri.
3.38	79 40 19.96 41 17 35.09			53.8 56.6		5 11.62 51.24			P. L.		97	22	28.33 23.08	734	
3.30	41 17 32.87 56 12 44.63	.450	55.5	57.5	56.0		6.88				97 112		20.86	734	a Orionis.
	-18 39 59.26 -18 39 55.48	.446	55.5	60.0	57.5	19.59							37.90 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	30	15.68 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	45.20			57.41 55.66		0
	-0 31 16.04			48.0		0.54	7.01				55	32	40.17		¿ Sagittarii.
	-9 45 11.10 -0 13 36.25			43.8		10.26 0.24					55	50	35.39 20.26	368 699	a Columbæ.
3.69	17 26 0.69 17 25 59.08	30.378	58.2	56.5		18.23							15.67 14.06	838 838	Sirius R. Sirius.
	56 18 40.52	30.364	57.0	63.2	56.6		7.00		15	45.30	112 112		10.97 13.40		0
4.29	55 47 13.98 23 36 57.00	.356	56.8	54.0		1 24.33 25.57	6.96				79	41	19.32	1533	Spica R.
	23 36 56.59 24 17 8.81			53.6			22 59.94		15	21.37	79	43	10.66		Spica.
4.60	24 24 44.13 24 24 44.34		2000	54.0		26.56				2	80	29	7.65	1615	κ Virginis. κ Virginis.
	21 18 25 67 -53 30 43.65		0.000	54.0 53.5		22.82 1 19.05				8.09					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			77	17	11.70	1681	b α ² Libræ R.
4.82	18 33 55.01			53.2		19.69						38	11.45	1681	a ² Libræ. β Bootis.
4.63	74 54 47.46 10 38 41.05			52.8		3 34.01					66	42	48.83	1780	x Libree R.
	10 38 41.32 0 48 19.06	1				0.82		1	1		56	52	16.63	1797	χ Libræ, χ Serpentis.
4.94	-2 25 17.25 -2 25 16.35			53.4		2.48					53	38	37.92	1835	θ Lupi R. θ Lupi.
4.90	8 43 58.63 8 43 59.44		55.5	54.4		8.99		P. S. C.	1		64	48 48			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	1	A	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.	reading of Circle.	Initials of
Day.	A.S.C.	PLANET.		1	-		1					or circles	Luit
			,	"	"	"	"	11	11	h. m. s.	, ,,	.0 11 11	
3 11 July	1889	a Normæ	39	23.8	29.1	30.6	18.3	24.0	04.2			325 39 22.0	8 T.A
, 11 0 01,	1915	ε Scorpii					26.1					326 00 30.6	
		σ Octantis								17 08 50		270 45 38.6	6 T.M
	699	a Columbæ					26.1					325 50 29.5	7 T.M
	734	a Orionis M.R					07.5				+1 04.17	104 46 29.7	
	734	a Orionis					40.3					7 21 39.2	
	807	Canopus M. R					46.0			21.061	-36.50		O T.M
	807 838	Canopus Sirius M.R					59.8			20.998	22.06	307 24 9.0 128 38 3.7	2 T.M 8 T.M
	838	Sirius	1000				65.6				-00.90		4 T.N
12 July	1223	⊙ S.L. M	43	59.8	111.8	88.8	77.0	117.6	58.0	22.008	-1 14.70	21 43 10.9	6 T.N
William .	100	⊙ N.L					28.9					22 14 37.6	
		g's center	24	50.5	96.0	78.8	66.9	102.8	51.0	VALSE		20 25 14.8	1 T.N
	1573	g Centauri	21	48.8	53.4	57.6	43.0	50.2	30.2	100000000000000000000000000000000000000		326 21 47.3	
		(a) λ Virginis M.R					68.5				-8.31	124 45 36.4	
	1624	λ Virginis					31.5					347 22 30.9	
		D N. L					44.8 36.5			19.760	.15 07	344 37 42.6 347 16 36.2	
	1681	ь S.L. M a ^e Libræ					60.2				+15.97	344 37 58.7	
	1705	20 Libræ M.R	46	50 1	65 8	98 5	78.9	26.4	61.5	20.500	-13.87	136 46 37.6	
	1705	20 Libræ	21	29.6	36.6	36.0	31.5	35.4	17.2	201000		335 21 31.7	
	1768	Libræ M R					65.5			19.971	+7.46	139 43 45.5	
	1768	Libræ					22.0					332 24 24.2	8 T.M
	1797	χ Serpentis					20.0					326 52 23.4	
		(b) θ Lupi M					43.1				-0.00	148 29 20.7	
	1835	θ Lupi					43.0					323 38 47.2	
	1876	7 Herculis					21.3					46 36 53.8	
	1905 1913	σ Herculis η Herculis					17.0					42 42 48.4 39 11 11.7	
	1910	σ Octantis	15	49.0	102,9	65 4	01 3	63 7	04 0	17 08 25		270 45 38,4	
	2007	λ Scorpii M.R	6	36.8	48.3	22.0	60.8	17.1	50.0	19.982	+7.02	149 06 46.1	
		(c) λ Scorpii					17.9				+0.82	323 01 23.1	5 T.N
	2016	(c) β Draconis					63.8				-1.44	52 13 31.1	
	219	a Hydri M.R					36.2			21.262	-44.61	174 28 55.2	
	219	a Hydri					02.2					297 39 18.3	
	000	z Octantis SP					16.4					267 29 54.6	
	699	a Columbae					23.0				.4 07	325 50 27.5 104 46 28.4	
	734 734	α Orionis M.R α Orionis	10.3		100 0	00 0	32.8	e0 0	07 0		+4.07	7 21 39.2	
	104	(d) S's center M.R	16	30 5	28 9	21 9	05 7	22 8	05 0	19.834	+12.99	89 16 32.2	
	1110	(d) s center	51	10.0	61 0	39 6	25.5	70 1	06.9	10,001	122100	22 51 34.8	
	838	Sirius M.R					68.1				-39.57	128 38 3.4	0 T.N
	838	Sirius					64.9					343 30 4.2	5 T.M
4 13 July		(e) ⊙ N.L. M.R					13.7				-29.93	90 01 56.8	TO 100 100
		⊙ N.L					61.3				00.00	22 06 9.6	
		(f) 2's center M.R					19.8				-26.38	92 00 4.3	
		# a center					58.0			Marie S		20 08 5.8 238 20 20.9	
	182	z Oct. M.R. SP					46.6			20.645	-19.72	199 34 51.2	
	100	z Octantis SP					39.0			20.040	10.1%	272 33 20.9	
	1000	b N. L. M					49.4			20.291	-5.44	347 16 42.6	
	1681	a 2 Libroe M.R	30	43.0	56.0	10.1	71.8	10.4	58.2	20.945	-30.61	127 30 10.7	0 T.M
	1681	a 2 Librae			66.8							344 38 0.8	2 T.N

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	eter.			-		Microm. for	9	Lon	ni-	Gene		P. D. of		NAME OF STAL
rent Zenith Point.		ista		Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Par	allax.	opposite Limb.			eter.		Cent		No. ASC	or 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 0.23							56 0	0 44	13.92 22.87 5.95 21,60		ε Scorpii. σ Octantis.
4.50	41	17	34.77	.356	56.0	59.8			50.77							97 97		22.29 22.31	734 734	
6.21			58.91 55.47			62.3			19.45							37 37		38.39 41.83	807 807	
4.36		26 26	0.71 0.45	30.350	56.4	63.5	59.0	10	18.03							1000		15.49 15.23	838 838	Sirius R.
	56 54	21	5.94 32.64 9.79 42.35	30.332	10000			1	23.24 24.89 19.04 0.29		6.95 6.99 4.21		15	4	5.30	110	26		1573	⊙ ⊙ ♀ g Centauri.
3.71	21 21 18	18 18 33	28.56 25.93 37.62 31.21	.292	57.0	59.8 58.7 58.5			22.51 19.42 22.45		2.63		15	3	6.2	77 77 74	22 22 4	47.82 45.19 14.95 58.08	1624 1624	λ Virginis R.
4.69	18 9 9	33 17 17	53.77 27.35 26.69 19.51	.292	57.0 57.0	58.0 57.6 56.8			19.45 9.48			19.760			7.99	65 65	38 21 21		1681 1705 1705	a ² Libræ. 20 Libræ R. 20 Libræ.
4.90	6 0 -2	20 48 25	19.26 18.46 15.74 17.79	.292	57.0	56.4			6.45 0.82 2.46							62 56 53	24 52 38	22.46 16.03 38.55 36.50	1768 1797 1835	Libræ. χ Serpentis. θ Lupi R.
4.00	80 76 73	32 38 7	48.84 43.47 6.70 26.59	.289	56.5	55.4 55.3 55.3 54.0		3								136 132 129	42	21.58 40.50 12.88 6.05	1876 1905 1913	τ Herculis. σ Herculis.
4.64	2	2 2	41.11 41.87	.289	56.3	53.0			3.11	13						53 53	1	12.53	2007	λ Scorpii R. λ Scorpii.
6.81	-28	24 24	26.11 50.21 46.63 10.42	.275	55.4	351.5 46.7 45.8		1	32.01 36.74	1						27 27 -9	38	34.53 38.11 50.41	219	a Hydri R.
3.87	-0 41	13	37.46	.289	56.0	62.0	56.8		0.23 50.44							97	25	0 19.06 2 23.75 2 21.45	734	α Orionis R.
3.59	56	47	32.74 29.87	.291	58.0	63.4	58.5	5 1	27.30		6.37					115	55	2 50.42 2 47.55		ÿ R.
3.83	17	26		30.288					17.87	1			-			7:	3 30	0 16.24	838	Sirius R. Sirius.
3.26		9	4 64	30.289	2 58.5	5 68.8	8 60.	8 1	23.97	-	6.98		15	5 4	15.4			1_36.51 1_32.98		⊙ R.
5.10			0.68			70.0	1	1	17.83	3	4.20		-			110) !	9 11.06		Q R.
6.09	-53 -53 -21	30	44.11 46.24 44.10 37.58	.25	1 58 .	5 60.0 5 59.0 0 58.0	0 55.	n	17.87	1	0.39	20.689	2		7.8	-5	3	1 52.64 1 54.78 6 48.56		Achernar SP. z Octantis R. z Octantis.
5.76	18	33	54.32	30.25	1 58.0	0 57.	0		19.46				1			74	1 38	8 10.53	1681	a ² Libræ R. α ² Libræ.

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	icrosc	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.
			1 11	"	8	,		"	h. m. s.	1 11	0	, ,	
4 13 July	1705	20 Libræ M.R	46 32.5						20.042	+4.60	136 46	37.72	T.M
	1705	20 Libræ	21 32.0 29 57.0						The second			32.26 56.71	T.M T.M
	1818	D N. L π Scorpii M.R	46 46.5									43.58	T.M
	1818	π Scorpii	21 27.1							2.70		26.95	from min
	1836	β¹ Scorpii	38 29.2	29.9	32.5	26.5	32.4	17.3				28.30	
111	1836 1905	Companion M σ Herculis	42 29.3	78 0	79 4	15.0	97 6	04.0	19.852	+12.26		40.56	
	1913	η Herculis	10 51.8									14.79	
	1947	«Scorpii	6 50.1	49.4	54.0	40.5	47.3	30.8			326 06	45.52	T.M
		σ Octantis M.R	22 50.6	30.6	65.0	07.2	65.5	23.5	20.271	-4.64		36.01	T.M
	2007	σ Octantis λ Scorpii M.R	45 42.0 6 48.6							-3 00		33.85	T.M T.M
	2007	λ Scorpii		25.6						0100		22.98	T.M
	2043	γ Telescopii M.R	7 43.0	56.4	31.2	64.7	28.0	54.0	21.121	-38.92			T.M
	2043 2071	γ Telescopii γ Draconis	0 67.1								323 01	3.35	T.M T.M
	2110	ε Sagittarii	32 52.2						V2033			48.84	
		z Oct. SP. M.R	38 29.5						20.090	+2.66		22.36	T.M
4.00		(a) z Octantis SP	29 54.8							.05		43.58	T.M
	611	Capella (b) a Columbæ	43 72.7 50 35.0							.0.20		34.16	T.M T.M
14.1	807	Canopus M. R	44 37.8	29.7	37.6	27.9	25.5	32.0	20.876				T.M
	807	Canopus	23 74.8	79.0	75.5	64.2	68.2	53.0			307 24	9.87	T.M
	000	y's center	59 31.1							00.01		55.41	T.M
	838 838	Sirius M.R	38 40.6 29 63.8							-33.64	343 30		T.M T.M
2 14 July		(c) O N.L. M	57 51.0							-57.80			T.M
100		D N.L	25 25.1 24 65.2								335 25	51.14	Santa to the
-	2079	γº Sagittarii M.R.	33 34.0										T.M
	2079	γ ² Sagittarii	34 52.5	53.1	57.5	48.5	52.5	38.0			329 34	51.46	
1655	2101	β Telescopii M.R	56 50.0									16.38 53.94	T.M T.M
	2110	β Telescopii	11 58.0 32 53.6									49.70	T.M
15 July	1835	θ Lupi M.R	29 48.8						20.909	-30.37			
	1835 1900	θ Lupi τ Scorpii M.R	38 51.6	53.5	57.2	42.8	50.2	32.1	00 010			48.47	T.M.
	1900	7 Scorpii	0 35.0 7 33.7	36.2	37.4	31.5	36.0	20.4	20.218			33.35	
	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
100	1919	μ¹ Scorpii	14 26.7	24.0	33.2	13.9	24.1	05.0	1			21.79	
	1921 1967	μ ² Scorpii M A ¹ Ophiuchi M.R.	29 31 6	46 1	05.0	63 9	00 8	47 8	17.628	+1 41.97	138 29	3.76	T.M T.M
	1967	A 2 Ophiuchi M.R.							19.975			40.58	T.M
	1967		38 04.0						100000000000000000000000000000000000000			23.30	T.M.
			45 42.0 55 27.0						17 14 10			34.99 24.46	T.M.
	2079		33 32.0						20.634	+19.28	-		T.M.
	2079	7 º Sagittarii	34 50.8	57.5	57.0	51.0	53.3	36.9				52.19	T.M.
1944	2110		32 53.0						10 000	the same of the same of		49.09	T.M.
	734		45 40.4						18.003	-1 00.22		37.93	400 TO ST
13	807	(e) Canopus M. R	44 45.0	37.5	43.0	34.9	32.1	39.5		-36.30	164 44	2.45	T.M.
	807	Canopus	4		7455 1570			53/1/2			307 24	9.62	T.M.
			lyneux fa			0.000							
		(a) Faint from day (b) 40°, past the M	Ieridian.	section	n unce	rtain.	50.	past th	e meridian.				
		(c) Woolly and tr (d) Observed at th	emulous.										

Sec. of appa-		rent	Zenith	Barom.	The	rmome	eter.	-		75		23.53	Microm. for	9	Sen	ni-	Geor	S	P.D. of		NAME OF CO.
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Pa	trall	ax.	for opposite Limb.	dia	ame	eter.		Cen		No. ASC	NAME OF STA
	0	,	"	Inch.	0	0	0		, ,		,	11	r	,		ø	0	,	"		PLANEI,
4.99				30.251	58.0	57.0			9.48										33.53		
4.00			27.24	050	58.0	EC 0		-		100	00	40		10					33.47	1705	The state of the s
			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				166	60			64	21	27.15	1818	π Scorpii.
	14	34	23.28	.247	58.0	56.0		1	15.09					1			70	38	35.12	1836	β¹ Scorpii.
			35.54			***			15.10			-71					70	38	47.39	1836	Companion M
	76		44.78 9.77		58.0 58.0				57.79								132	46	39.32	1905	σ Herculis.
	0		40.50		58.0			0	7.49								56		37.30		η Herculis. κ Scorpii.
	-55		30.99		58.0								0.5316						2.91		σ Octantis R.
4.93	-55		31.17			The same of		1	22.85								0	44	2.73	land of	σ Octantis.
5.28	-3		42.55	.247	58.0	60.8	55.0		3.06								53	1	11.14	2007	λ Scorpii R.
0.20	-3		42.04	0.47	58.0	60 0	55 0										53 53	1	11.65	2007	λ Scorpii.
5.35	-3 -3	3		.241	30.0	00.0	00.0		3.07								53	0	52.01	2043	γ Telescopii R γ Telescopii.
			39.55	.247	58.0	60.0														2071	γ Draconis.
1.6			16.18				Town .		0.53								55	32	40.04	2110	ε Sagittarii.
			17.34	.207	57.5	61.2	54.5	1	33.64	103							-2	31	54.23		z Octantis SP
(2.51)	-58	34	21.44 29.14	915	50 A	64 0	50 A	10000					777				125	31	58.33 28.79	611	z Octantis SP
			35.60		58.0 58.2			0	2.90 0.23								55	50	20.92	699	Capella, a Columbæ.
	20	20	EN NO		59.0														39.82		
6.33	-18	39	55.15						19.17									23	42.43		
	20	20	30.39		59.0				26.94		6	.26					113	1	7.82		ž.
3.97			59.45	30.204	59.0	68.0	62.0		17.79								73	30	16.09 13.99	838 838	
	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	.92		15		5.40	111	42	42.60		0
			59.66		59.0		0		9.43	9	26	.14		16	7	7.92	64	59	31.78		D
4.93			46.85	.160	59.0	59.2	55.0		3.53								59	34	47.13 46 50	2079	γ ² Sagittarii F γ ² Sagittarii.
			11.14	.162	59.0	59.2	55.0										53	11	42.73	2101	β Telescopii R
5.16	-2	52	11.30			1000	10000		2.88				1				53	11	42.57	2101	β Telescopii.
	-0	31	15.54	30.162	59.0	59.2			0.53								55	32	40.68	2110	ε Sagittarii.
5.41	-2	25	17.11	30.331	59.2	57.3	1		2.46				1.11				53	38	37.18	1835	θ Lupi R.
3.41			16.77	001	FO 0				2.40												θ Lupi.
4.96	6		28.68 28.11	.331	59.2	57.4			6.16								62 62				τ Scorpii R. τ Scorpii.
5.04	-3	49	43.05	.331	59.2	57.4			3.89								52	14	9.81	1919	μ 1 Scorpii R.
3,04			43.45						3.86										9.41 51.41		μ ¹ Scorpii. μ ² Scorpii.
2 50			21.14	.332	59.4	58.0	1						Mark Street				63	38	25.60	1967	A 1 Ophiuchi 1
3.70			24.66				-		7.71				I and the				63	38	29.12	1967	A 2 Ophiuchi.
-			18.06					1	7.71								63	38	22.52		A 1 Ophiuchi.
			30.25		59.2			1	23.57	0	50	01		10	00	70			2.93		σ Octantis.
	2		19.22 46.52		59.2 59.2				6.97		59	.01	1000	10	22	.72	62 59		1.21	2079	D γ ² Sagittarii R
5.46			46.95	.007	30.2	0.0			3.56				1								γ ° Sagittarii.
	-0	31	16.15				-		0.53								55	32	40.07	2110	ε Sagittarii.
3.96			35.26	.401	59.5	60.2	4		50.78				403				97	22	22.79	734	a Orionis R.
	20	00	32.69	30.400	60 0	60 0	1									11			20.22		a Orionis.
10 10 10	-10	03	55.62	00.400	00.0	00.0			19.52								01	40	40.02		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	Correction			uded	of ir.
and Day.	No. A.S.C.	or PLANET.		A	В	С	D	E	F	or Time by Molyneux.	for Microm. or Time.		read of Ci	rcle.	Initials of Observer.
			,		"	"	,	"		h. m. s.	' "	0	,		
6 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.M
					67.7							343		4.60	T.M
		(a) §'s center	9	00.1	118.4	102.5	12.1	100,0	33.0			23	10	30.63	T.M
⊙ 16 July		(a) O S. L. M			104.4						-20.65			56.36	T.N
		O N. L.			110.5 255.0							21	28	22.35 43.74	T.N T.N
	2079	(b) y 2 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.A
31 117	2110	[€] Sagittarii			52.2 17.0					18 36 18		332	20	48.14 13.04	T.M
	1000	D S. L	56	21.4	25.2	26.7	20.3	25.1	09.2		2015011113	331	56	21.46	T.N
11.00	2208	7 Sagittarii M.R			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			50.0						20.00			46.71	T.N
	807	Canopus M.R			38.2						+24.89	\$ 000 LOGO		2.46	T.N
	807 838	Canopus Sirius M.R			19.7						+24.35	307		9.99	T.N T.N
11939	838	Sirius			6 69.0						T&1.00	343		5.97	T.N
		(d) & 's center M.R			7 35.0						-46.26				T.N
		y's center	12	02.7	2 53.2	39.1	09.0	07.8	52.2			23	12	26.91	T.D
D 17 July		⊙ N.L. M.R			0 37.5						-47.84	90	39	42.62	T.1
		(h) ⊙ S.L R			2 18.5						0 10 00			9.83	
		(e) Q's center M.R			9 47.0						-2 16.69			45.06	
	1	b N.L			4 35.0						100000000000000000000000000000000000000			32.05	
	1919				0 55.4						+2.18			48.51	T.I
	1919	μ² Scorpii μ² Scorpii M	14	25.	2 24.2	31.	914.1	22.0	04.1	17.598	+1 43.18			20.84	T.I
	1960		9	34.	6 46.0	28.1	51.0	24.7	44.0						
	1960				1 12.7						1000	316			
	2016	σ Octantis β Draconis			049.0 065.5					17 08 22				36.19	
		(f) 7 Sagittarii M.R	2								-17.09			19.25	
	2208				8 57.0									53.64	
	2290	D. C.			8 47.2 8 50.0						-10.8			23.94	Section 16
	2200				0 31.4						-2.97			24.90	1000
	2403										-6.53			42.26	
	2403				2 30.8						-94 76			28.64 10.21	
	2445				5 61.6						-2.1.1			59.70	
\$ 18 July	1678	Libræ M R	24	50.	0 64.0	0 25.	181.5	222.0	65.5	19.919	+9.8	1 139	25	1.04	T.1
	1678		43	10.	6 12.0	0 12.	1 07.	8 10.4	1 53.2	2	93 11 21 21	332	43	8.64	T.1
	1	ğ's center M.R ğ's center			2 29.8									16.64 51.86	
¥ 10 T.1		The state of the s	100		0 77.			3 1 1 1 2 2	10000	A SECTION OF	10 10 10				
§ 19 July		(h) ⊙ S.L. M ⊙ N. L			4 95.0 8 108.0						-15.33			56.35 23.43	
		(i) &'s center M.R	56	34.	2 25.	1 13.	8 12.	1 12.0	13.8	22.632	-1 39.83	7 93	54	39.86	T.I
	1	* S. L			0 107.						135.00			26.90	
		z Octantis M.R	134	41.	5 22.5	2 59 .	2 2.1	5 00.1	122.2	19.782	+15.09	1199	34	50.35	Lak

(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		1	rmome	eter.	250				Microm.		Semi-	Conn	2 1	P. D. of			
rent Zenith Point.		Dista		Barom.	Attach.	Out.	Wet. Bulb.	Ref	fraction.	Para	llax.	opposite Limb.		meter.		Cent		No. ASC	NAME OF ST	Al
"	0	,	"	Inch.	0	0	0	-	, ,,	,	"	r	,	"	0	,	"		PLANET.	
4 05	17	26	1.10	30.398	60.0	60.8			10.15		100	170		8	73	30	16.00	838	Sirius	1
4.37	17 57		59.36 25.39	30.397	60.0	60.8		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		15	45 00	111	23	48.64		0	
	55	34	17.11						23.79		6.94		19	45.00			45.21		0	
	0.00		38.50			59.4			42.66		2.80						15.11		8	
5.98		-	43.97	.370	59.0	54.0			3.59										γ 2 Sagittarii	
	3		45.44 17.10	270	50 0	54 0			0.53				20				45.78 39.12			
	6		7,80			54.0			6.43								10.98	2110	ε Sagittarii.	
	5		16.22			53.8			6.02		1.51		16	33.8			51.33		D	
- 00	6		49.22			53.6		1				D.T. DO			62			2208	7 Sagittarii	
5.00	6	1	48.73		1				6.19			1			62		51.67		7 Sagittarii.	
4.96			42.03	.365	58.6	53.8		1	8.95			0.00			64		47.73			
		41	41.47			00 0			0.00						64		47.17			
6.23	-18	39	57.22 55.25	.340	59.0	60.2	58.0	1	19.51								40.02		Canopus	
	17	26	0.55	940	50 5	60.8			an man								41.99	807	Canopus. Sirius	
5.33	17	26	0.73	.040	39.0	00.0			18.11								15.59			
-	57			30.340	60.0	61.4	58.0		00 00		- 00				113	13	42.96	000	ğ	
4.47	57	8	21.67					1	28.95		5.96						41.41		ğ	
	55	24	22.88	30.330	60.4	61.0	57.5	1	23.37	166	6.93		15	45.6	111	13	50.47		0	
	54	52	55.67					1	21.77	1,1	6.88		13	45.0	1111		52.91		0	
600			42.10	.312	61.0	59.5	57.0	1	16.04		4 17			10 0			50.72		Ŷ.	
	10000		39.56			0		1		500		19.932		4.5	2 108		52.70		9	
	21		26.55	100000000000000000000000000000000000000		55.8			22.82		0.32	20.523		7.4	52		38.40	1010	μ 1 Scorpii	
4.68			43.10	.288	59.0	53.5			3.91						52	14		1919		
	100	48	1.48						3.88						52		51.39		μ ² Scorpii.	
	0	-	58.69	.289	59.0	53.0											48.71			
5.40	-9		58.90	1200	1				9.35	-			1				48.50			
	-55	18	29.31	.289	59.0	53.0		1	24.26			8			0	44	3.18		σ Octantis.	
	86		32.25			52.8						Marie Barrier			-			2016		
6.45)	6		46.25	.280	57.5	48.8			6.23			Para			62		49.23			
	0		48.14	000	EM 0	147 0	-								62		51.12 47.35		τ Sagittarii. hºSagittarii	
5.56			41.56	.208	37.0	47.3			9.04				1				47.46			
			19.40	267	56.6	46.0			8.05	8	2.52		16	40.1		57		2200	D	
	15		23.24			45.4				100	0		1		71	15	36.09	2403	# Capricorni	
5.45		11	23.14	- Marie Mari	1	1			16.10								35.99	2403	π Capricorni.	
4.96	8			30.256	55.0	44.8	45.4	-	8.43			1-121	-		64				↓ Capricorni	
	8	4	54.20					1							64	8	59.38	1		
4.84				30.207	59.0	50.6			6.84						1	43		1678	Libræ	
4.04	0	39							0.04	-			-			43		1678		
4.25	57		48.86 46.36	30.283	59.0	156.4	55.0	1	29.44	1.0	5.78		1		113	10	6.77		à	
	1	31	50 85	30.277	59.6	58.6	57.0		20.96		6.86		15	45.8	110	52	47.50 44.52		0	
	55	3	17.93				1		22.54	1	6.90		10	10.0	1000		* ****	1	0	
	52		25.64		60.0	59.6	3	1	14.09		4.1/	19.928					32.33		Ş	
	52	9	21.40	30.269	55	500				1		19.928	1	4.6			32.69		z Octantis	
THE RESERVE AND ADDRESS OF THE PARTY OF THE	1-00	00	43.21	00.203	100.0	100.6)	1 1	18.78						1 40	OI	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.						19					E
			1 11	//	"	11	//	11	h. m. s.	, ,,	0	" "	
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.N
	1721	Libræ	49 27.0	28.9	30.0	25.3	29.4	16.2	The same of the sa		340 49	26.95	
	1768	LibræM.R.	43 38.2	53.8	13.7	69.2	10.6	54.8	19.990	+6.70	139 43		10000
	1768	Libræ	24 24.4								332 24		
	1816		52 32.2							-17.10			
	1816	ρ Scorpii	15 55.6									53.97 56.45	
	1876 1905	τ Herculis σ Herculis	36 35.0									53.16	
		(a) η Herculis	42 25.7 10 47.8							0.80	39 11		
	182	Achernar M.R.	12 33.5							-1 22.57		8.57	10000
	182	Achernar	56 68.0							-1 22.07	301 57		
	699	a Columbae	50 35.0								325 50		
1 1111	734	a Orionis M.R.	46 34.0							+9.52	104 46		
100	734	a Orionis	21 28.4									40.14	
1 17(0)77	807	Canopus M.R.	44 41.8	41.0	38.0	40.5	29.2	41.2	21.070	-36.87			
1,4000	807	Canopus				05.4					307 24		
1 10	838	SiriusM.R.	37 39.9							+25.33			10000
	838	Sirius	29 66.8							100.00	343 30		T.N
		(b) S's center M.R.	5 55.0							-42.98			
		(b) § 's center	2 47.8	91.3	82.2	49.2	108.9	35.8			23 03	9.27	T.7
20 July		⊙ N.L M	56 32.8							-36.14			
		⊙ S.L	24 26.5									52.47	
	27	β Hydri SP				49.8					258 12		
	1000	z Octantis (c) β LupiM.R.							14 15 50	0.44	272 33		
	1689	β Lupi				51.6			20.390	-9.44	154 36 317 31		
	1768	LibræM.R.	31 41.9 43 38.0						20.032	+5.00	139 43		
	1768	Libræ	24 25.0							40.00	332 24		
	1800	b Scorpii M . R .	22 41.1							+42.96			
	1800	b Scorpii	44 46.0									46.69	
	1835	θ Lupi M.R.	29 14.5	29.0	01.5	37.2	00.4	23.8	20.037	+4.80	148 29		
	1835	θ Lupi	38 49.4								323 38	46.79	T.M
	1872	σ Scorpii M.R.	19 36.9							+29.68			
	1872	σ Scorpii	47 64.4	66.2	68.4	62.6	67.0	52.0			334 48		
	1889	a Normae	39 26.0	27.0	30.1	18.0	24.2	07.0				22.46	
	1919	μ¹ Scorpii M.R.	53 31.6	46.0	22.4	52.9	18.0	40.1	19.832	+13.07			
L BOOK	1919	μ² Scorpii	14 22.0	25.0	29.5	14.4	22.4	03.5		+1 42.29	322 14		T.A
	1921 1960	η Scorpii M.R.	0 27 0	40 0	20 0	46 0	04 0	42 0	17.620 20.982	100		100000000000000000000000000000000000000	
0.000	1960	η Scorpii	9 37.0	74.0	32.0	60.0	67 9	50.0	20.962		316 59		
6000	1300	σ Octantis	45 45 0	46 0	57 5	04 9	55 4	07.5	17 08 05		270 45		
1		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	64.2	08.8	50.2	21.296				
	2688	σ Aquarii	29 15.0								348 29		
		(d) Georgean M R.	28 36.5						19.762	+15.89	121 28	51.21	T.A
		(e) Georgean	39 16.5								350 39		
		(f) D N.LM.R.	39 18.2	32.0	47.8	45.6	50.5	31.0		-24.12			
		(g) D N.L	29 18.0	25.2	19.5	23.6	24.9	13.8		10000	350 29		
	2841	The state of the s	48 49.0							-17.36			
	2841	(h) n Piscium	19 35.6	49.0	37.6	45.1	47.5	32.5	a sell	Les Branch	356 19	41.75	1.1
21 July	1889	a Normae	39 27.1	24.6	28.8	17.1	20.6	07.5			325 39		
	1905	σ Herculis	42 29.8	THE PLANE	** "	20 0	THE RESERVE	A 100			42 42	- BES - 1317	1111

(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	,	//		TENER.	
4.87				30.272	59.0	52.4			15.4									34.87			
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			56.33	.267	59.0	60.2	56.8		10 4							37		40.96	807		
6.60			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							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	017	60 0	59.5			19.5		6.84		-			-11		42.21 6.15	27	Θ β Hydri SP.	
			45.11		59.3				18.2							1723		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							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			0.4	2		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	crosco	pes.			Micrometer	Correction fo Microm.		cluded	s of
and	No. A.S.C.	or	A	В	c	D	E	F	or Time by Molyneux.	or Time.		ding Circle.	Initials of
Day.		PLANET.	, ,	-			"	-	r.	, ,	0 1		193
	_			-	-			-	h. 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
O4 July			44 46.8							49 96		3 59.10	1000
24 July	807 807	CanopusM.R.	24 20.8							-43.30	I A A CO	4 13.93	T.1
	838	Sirius M.R.	38 25.8	48.8	58.4	61.8	01.5	39.5	20.861	-28,44			T.I
	838	Sirius	29 64.5 15 43.0							-1 23.53	343 3		T.
25 July		⊙ S.L M	23 43.4	130000	5000				100000000000000000000000000000000000000			4 31.72	T.
20 July		ONL	55 37.2							T20.70	19 5		T.
		(b) 2's centerM.R.	8 38.0 6 36.4							-1 17.69		7 11.58	T.
		g's centerM.R.	55 93.3			40.3				-2 02.34			T.
	-	d's center	13 34.0	48.6	49.6	31.5	58.6	23.4			0 1	3 41.77	T.
	27 219	(c) β Hydri SP a Hydri SP	12 34.0 29 49.6							-0.40		2 26.10 9 39.01	T. T.
	210	z Octantis	33 28.6	40.0	27.4	05.6	30.2	07.4	14 15 20			3 23.53	T.
	1731	f Lupi M.R.	41 44.4							-45.70			T.
	1731 1768	f LupiM.R.	26 74.0 43 37.0							+4.03	330 2 139 4	79.20 345.68	T. T.
	1768	Libræ	24 26.3	25.0	30.0	20.3	27.4	10.0			332 2	4 24.17	T.
	1800	b Scorpii M.R.	22 48.3 44 47.1							+30.05	100000	323.59 445.87	T. T.
	1835	θ Lupi M.R.	29 40.5							-16.58		9 23.15	
	1835	θ Lupi	38 56.0								100000000000000000000000000000000000000	8 47.98	T.
	1876 1889	τ Herculis α Normæ	36 36.0 39 29.1			15.5						649.22 922.26	
	1905	σ Herculis	41 88.4	131.9	132,8	67.0	155.0	58.8			42 4	2 45.91	T.
	1913	η Herculis σ Octantis	10 49.2 45 41.0			33.1					Maria Company	1 09.73 5 36.18	1000
	2071	y Draconis	20 17.8							18 118	51 2	0 25.89	T.
		(d) Planetary Nebula							18 01 30	0.00		6 19.56	
	219	o Octantis α Hydri M.R.	30 54.0						0 26 30 23.150	12 1/2 1/2 1/2	40 -00	5 52.34 8 52.50	
	219	a Hydri	39 21.0	32.5	17.3	19.8	13.2	09.6			297 3	9 19.84	T.
	319	z Octantis SP				36.7			14 16 32 20.941	-31 66		9 53.98 8 14.04	
	319	ε Arietis	39 31.1							-01.0		9 55.44	
		(e) D N. L M.R.	28 45.6							+1 02.20			
	414	n Tauri M.R.	38 13.0 33 43.8							+9.8		8 38.63 3 43.74	
	414	η Tauri	35 60.5	109.0	106.0	60.1	133.9	41.8				4 25.15	
	699 734	α Columbæ	50 49.0 46 53.0							-18 6		0 32.65 6 29.95	
	734	α Orionis	21 23.1	57.4	1 52.5	29.5	70.3	14.0			7 2	1 41.16	T.
	807		44 39.3							-33.4		3 58.65	1
	807		24 19.3 38 38.9							-41.9	1 128 3	4 13.31 8 2.14	
	838		29 65.9							-	343 3		
26 July	Pare !	⊙ N. LM	43 47.8	892 6	390	146	1151	30 0	22.000	-1 14.3	8 19 4	2 56 19	T.
Louiny	158	⊙ S. L	11 02.0	049.4	143.1	102.4	70.9	45.4	1		19 1	1 25.80	T.
	329	z Octantis SP γ Persei	29 56.0	0 64.4	157.0	31.8	61.8	30.8	2 19 00	0.7	7 267 2	9 49.99	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.		Sem	-	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	
"	0	,	"	Inch.	0	0	0	,	"	,		r	,		11	0	,	"		PLANET.	
	0	2	39.54	30.070	58.5	54.0		N.V	0.05			0.000				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.	I
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,	1
3.70	17	26	4.53	30.408	58.4	56.3			18.31							73	30	19.59 16.21	838	Sirius	I
		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	100	0	
5.62)	49	56	53.81	.418	59.5	57.8		1	9.08		4.08					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
60000	34 -67		36.38 39.29	.449	59.0	55.6			22.71		2.01						14	10.19 5.25	27	δ β Hydri SP.	
	-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
300			43.83		58.0 58.0			5	42.77									23.35			
		38	40.52	.507	58.0	50.0	46.8		4.53							132	46	41.80	1905	σ Herculis.	
	-55	18	4.34 29.21	11000000	58.0 57.0				12.76 25.39								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
0.17	-28	24	45.55		56.0				32.13							27 27	38	37.51 39.07	219 219	a Hydri.	
32.25			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		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			Barri				55	50	23.77 23.93	699 734	a Columbæ.	1
5.56	41	17	35.77	10000				100	51.74			6.18				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.	I
4.97			3.25 2.40	30.508	57.5	55.0		1	18.42									18.42 17.57	838 838		1
				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	. 31	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		NAME OF STAR	_		M	licrosc	opes.		4	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.		A DANGE .	,		"	"			"	r. A. m. s.	/ //	0	, ,	10
§ 26 July	340	(a) Persei			0 78.2						-1.27	48 5	1 57.98	T.N
	365	a Persei			8 85.0							49 0		
	414	η Tauri M.R.			$026.8 \\ 049.9$					19.675	+19.40		3 42.01	
	414	η Tauri			8 110.0						_7 66		4 26.60 6 18.60	
	699	a Columbæ			2 33.4					To be all	-7.00		0 32.62	
4 27 July		(c) ⊙ S.L			283.0							18 5		
		⊙ N. L			4 109.6							22 2	9 28.68	-
		(d) Q's centerM.R.			0 34.4						-36.58		4 53.67	-
		(e) d's centerM.R.	25		4 55.9					21.451	_59 93		3 14.74 4 51.09	
		(e) & 's center	43	08.	021.4	15.8	16.1	27.4	06.2		-02.20		3 16.61	-
	27	β Hydri SP	12	34.	4 35.5	39.0	57.8	48.8	01.0				2 26.30	
		(f) a Cassiopeæ	13	04.	2 36.2	34.5	42.8	56.0	36.7		-1.63		3 23.76	
1715	699 807	a Columbæ CanopusM.R.	50	41.	1 30.0	45.7	20.1	34.8	18.5		.10.04		0 32.75	
	807	Canopus			0 15.2					19.664	+19.84		3 57.81 4 13.01	T.N
19	838	Sirius M.R.			8 56.9					19.755	+16.17			-
	838	Sirius			8 67.0							343 3		
28 July		(g) ⊙ N.LM			2 70.0					20.224	-2.74	4 2 3	5 48.22	
		⊙ S.L M.P.			298.6					00 200	0 55		4 19.28	
		(h) \$'s center M.R.			4 39.6						-8.00		921.29845.03	-
	1797	X Serpentis			1 20.8							400000000000000000000000000000000000000	2 22.87	T.N
11/9	1823	ScorpiiM.R.			0 52.0					20.315	-6.41		7 32.13	-
	1823	∂ Scorpii			0 35.3							177700	0 35.58	1000
		(i) 7 Herculis			269.0								6 55.70	1000
	1913	(i) σ Herculis (i) η Herculis			063.3								2 48.07 1 13.20	1
	699	a Columbæ			0 29.6								0 32.62	120.00
1666	734	a Orionis M.R.			0 46.0					20.220	-2.58		6 27.92	T.N
	734	α Orionis			2 47.1								1 38.88	
	807	Canopus M.R.			5 53.0					19.980	+7.10		3 57.91	T.N
0.000	807 838	SiriusM.R.			515.9 51.2					91 195	-39.08		4 13.58 8 0.46	T.A
	838	Sirius			0 65.6					21.125		343 3		T.N
5 29 July		⊙ S. L. M	30	43.	8 84.5	88.0	41.2	115.6	24.0	21.337	-47.64	18 3	0 18.32	T.N
		⊙ N. L	1	25.	567.9	67.8	95.0	25.2	08.1	265 333		19 0	1 48.57	T.N
		(k) ♀'s centerM.R.			557.1					22.408	-1 30.34			T.A
FEMI	198	(l) Q's center			262.2847.2					20.525	_14 99		3 53.13 5 20.62	T.N T.N
	300	(m) & s centerM.R.	1000		051.4		000000			20.020	-14.00		2 46.76	
	1885	Antares M.R.	1000		1 38.8	-0-0				20.510	-14.28		2 11.87	
	1885	Antares	55	59.	55.9	65.4	55.5	62.8	44.1	Manual States			5 57.75	
	1919	μ¹ Scorpii M.R.			1 38.6					20.156			3 47.64	
	1919	μ¹ Scorpii	14	28.	2 15.2	33.9	11.1	20.6	05.3	17 640			4 19.69 6 1.17	
	1921	μ² ScorpiiM k Scorpii	6	51	6 42.0	57 0	37 4	46 9	30 0	17.040	+1 41.48	326 0	6 44.19	
	1041	σ Octantis	108		9 46.8	10000				17 09 24			5 30.88	
	2027	κ Scorpii M.R.	4	34.	0 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	S. I THE STREET		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	Semi		Geor	e	P. D. of		NIME OF	
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	fracti	on. I	Par	rallax.	opposite Limb.		met			Cent		No. ASC	NAME OF ST or PLANET.	
		,	"	Inch.	0	0	0				,	"	r	,	"		0	,	"			
	82	47		30.398					14.								138		4.98		Persei.	
10	83	5	4.84		56.5			7	30.	99			PALE	10					32.58		a Persei.	
4.31	57		22.65	.399	56.5	53.8		1	31.	74							113	35	51.14	414	η Tauri)
	57 59		21.94	30.409	56 5	55 0		1	38	44 4	7	37.87		15	7	34	114		50.43	414	η Tauri.	
			32.04	00.403	00.0	00.0		1	0.	3510	•	01.01		10		. 0-1			24.48	699	a Columbae.	
	52	53	56.29	30.437	58.6	58.3	53.6	1	16.	74		6.72		15	46	50	109	14	49.56		0	
			24.02	-		033 3			18.	21		6.76		13	40	. 50	109	14	45.72		0	
(4.21)	49		10.99	.433	59.0	58.4	54.5	1	7.	13		4.05							10.82	11-1	9	3
	49		10.08	496	58.8	56 A	53 5												$9.91 \\ 46.62$	M	\$	1
(3.85)		300	11.95	.420	00.0	00.4	00.0	1	38.	82		2.52		16			89	43	45.00		8	,
		-	38.36	.426	58.0	56.4		2	22.	38							-11		3.99	27	β Hydri SP.	
	89		19.10	.405	57.5	55.4							0,31							60	a Cassiopeae.	
		200	31.91	450	FO 0	FO 0	0		0.	23									24.61	699		
5.41			53.15 51.65	.452	58.0	58.8	55.6		19.	64							37		43.96 45.46	807 807	COMPANY AND ADDRESS OF	3
-	17	26		30.456	58.0	59.0	55.8		10	~ -				100					19.59	838	Sirius	1
3.59		26	2.45						18.	25							73	30	17.45	838	and the second s	
				30.429	59.0	61.4	56.0		17.	969		6.74		15	46	60	109	1	4.05		0	
			14.62	400	FO 0	01 0			15.	63		6.70			10		109	1	6.90		0	14
(3.16)	77.50	100	43.37	.420	59.2	01.2	57.0	1	5.	79		4.03							41.88 38.88		9	1
1			18.21	.380	59.0	56.0		1	0.	82									15.78	1797	X Serpentis.	
3.86			32.53		58.8				12.				6.1				67	50	41.44	1823	8 Scorpii]
0.00			30.92							93									39.83		à Scorpii.	
400			51.04		58.8				36.										24.34			
	76 73	7	43.41 8.54		58.0 58.0				200	202									40.80 14.99			
	0.50		32.04		57.3		00.0	1	0.										24.48	699	a Columbae.	
2 40			36.74		57.3				50.	86									24.36	734	a Orionis	1
3.40			34.22						50.	0/									21.84	734	a Orionis.	
5.75			53.25	.316	57.6	61.0	56.0		19.	47									44.03	807	Canopus)
	-10	39	51.08	30.314	50 A	60 0	56 O												46.20 19.00	807	Canopus. Sirius	1
3.84		26	2.55	30.314	00.0	02.2	30.0		18.	05				18					17.35	838 838	Sirius.	,
900	52	26	13.66	30.260	58.8	63.0	57.0		14.			6.68		15	46.	70	108	47	4.79		0	
			43.91					1	15.	78		6.72		10	40.	,,,	108		3.02		0	
(3.30)			51.19	.210	60.1	64.5		1	3:5	99		4.02							47.91		9	1
	33		48.47	.170	60.0	63.0			0.5	10		0 1-				1			45.19 15.61		\$	1
(3.69)	33	8	42.10				1		37.	29		2.47	1				89	13	13.67		8	
4.81			52.79	.127	58.8	56.6			7.	98									57.52		Antares	I
00 230			53.09 42.98	196	58.6	56 5													57.82 9.90		Antares. μ¹ Scorpii	F
3.67			44.97	.120	0.00	00.0		1	3.1	37									7.91		μ 1 Scorpii.	r
		48	3.49						3.8										49.42		μ ² Scorpii.	
1	0		39.53	1200	-	003			0.0										36.33	1947	k Scorpii.	
			33.78		58.6			1	23.	18			600					43	59.89	2005	σ Octantis.	
5.02	-5 -5		19.98	30.116	38.5	00.2			5.0)2							51		31.75		κ Scorpii κ Scorpii.	I
-	0	0	20120	-													UL	0	OW.TI	W/4/	a 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	100	NAME OF STAR			M	icrosc	opes.			Micrometer	Correction	(luded	Initials of Observer.
and	No.	or		A	B	c	D	E	F	or Time by Molyneux.	for Microm. or Time.	1		ling ircle.	tials
Day.	A.S.C.	PLANET.	_		-	-									O E
			'	"		"		"	"	h. m. s.	' "	0	1	"	
29 July		Georgean M.R.									+22.39	1000000		5.75	T.M
		Georgean			1		58.8					350		4.39	T.M
2 Aug.		(a) σ Octantis (a) ε Sagittarii					21.5			19 09 40	+0.03			34.77 46.34	T.M T.M
3 Aug.	699	a Columbæ					28.1							34.07	T.M
	734	a Orionis M.R.					56.3 27.3				-6.73			27.15 40.58	T.M T.M
	807	Canopus M.R.					27.3				+10.41				T.M
	807	Canopus					14.8					307	24	14.29	T.M
1	838 838	SiriusM.R.					84.0 63.1				-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	The Rose of the London		16	59	43.91	T.M T.M
1		(c) Q's center M.R.					48.5				-1 29.71		47	2.70 5.25	100
1	1818	πScorpiiM.R.	46	39.5	59.0	24.3	66.2	28.2	44.9	20.148	+0.40			43.67	T.M
	1818	πScorpii					23.1							25.89	
	1836 1836	(b) β¹ Scorpii M.R. β¹ Scorpii					54.7				+14.92			26.79	
	1872						63.1				+27.75				A 100 M
	1872	σ Scorpii					60.0					334	48	3.43	
		(d) AntaresM.R. Antares					72.3				-37.11			56.10	
	1885 1915	44 44					53.8				111011	470000		26.62	
	1010	(e) σ Octantis					19.7					270	45	32.60	T.M
10 Aug.	1781	κ Libræ M.R.					76.3				-35.25	131	17	10.56	T.M
	1781	(f) κ Librae					19.5				+1.20			53.95	
	THE STATE OF	* (7 mag.)M	40	10.	14.	22.0	12.8	20.1	39.0	24.851	-3 09.29				- Jan 2 4
	1885						156.8			20.712		138	12	11.50	
	1885	The state of the s					55.0							57.23	
	1900		16	94	32.	0 39.0	30.6	36.	19.3	20.470	-12.58			32.07	
	883						3 54.9				-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
	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 38	(g) & s center	58	40.	7 62.	7 54.4	2 36.0 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	0 51.0	55.	5 57.0					28.18	
	1885	Antares M.R.	55	55	0 58	0 61	8 84.8	3 61	66.	19.780				10.33 57.43	
	1000	D N.L	39	24.	0 27.	5 29.	8 26.6	529.	311.0	3 33	11.2			25.12	T.M
	1967	A Ophiuchi Seq. M.						1000		21.55				28.93	Towns Com. or
	1967		20	20	5.56				1:::	21.643				25.14	Same as a
	2101	(k) γ ² Sagittarii M.R. β TelescopiiM.R.	56	19	1 32	8 07	0 73.4 4 47.7	7 03	33 9	20.770				18.25	Acres 100 to
	2101		11	53.	0.53.	6 60.	6 47.8	8 54.	1 33.4	5	0.00			50.87	T.M
	2110	Sagittarii	32	48.	0.48.	2 56.	0 50.	1 42.	29.0		E HE			45.80	
-	1 699					-			-		-	325	00	35.48	1.00
(1) 0.11			Mo	lyneu	x fast	, Aug	, 2nd,	3	-3rd,	13.	- tion (1	. 35	mi 41	on the	direct
(a) Crabb (b) Obser		the Meridian.					(1) ine	Rene	xion Observ	A hurried	THE	- SALES	an, the	-

(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-		arer	t Zenis	Barom.	The	rmome	eter.			-		Microm.		Lorni		Gene	. e	P. D. of		NAME OF ST	77
rent Zenith Point.	АРР	Dist	ance.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Pa	rallax.	opposite Limb.	dia	met	er.		Cen		No.	NAME OF ST or PLANET.	
"	0	,	"	Inch.	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			Ash.						2,45 37.90		σ Octantis. ε Sagittarii.	
3.87	41	17	37.51	30.200	58.0 58.0				0.23 50.75	1		o tale				97	22	25.93 25.01	734	a Columbα, α Orionis	
	-18	39	35.92 50.55	.197	58.5	58.2	57.0		19.49		DE AVE					37	23	23.42 46.71	734 807	Canopus	
3.93	17	39 26 26	50.37 5.62 4.15	30.194	59.0	58.8			18.10	7						73	30	46.89 20.47 19.00	807 838 838	Sirius	
	51	27	9.64	30.150	60.8	61.4	59.0	1	11.72		6.59		15	47	50	107	16	24.02	000	O	
3.98)	45	43	39.25 1.96	.123	61.5	64.2	60.0		10.40 58.27		6.54		10		.00	107	47	27.36 53.07		9	
4.78	8		0.59 20.99 21.23	.131	60.2	56.3	54.0		8.42							64	21			Scorpii - Scorpii	
3.97	14	34	23.52 22.13	.131	60.0	56.0			15.03	1						70	38	26.40 35.30 33.91	1836	β¹ Scorpii	
5.45	8	43	57.19 58.77	.131	59.5	55.3			8.90		11.33				43	64	48		1872	σ Scorpii	
4.02	7	51	52.73 51.44	.135	59.0	54.2	52.0		8.02							63	55	57.50 56.21	1885	Antares Antares.	
-	-0 -55	3 18	38.04 32.06	30.136	59.0	52.0	50.0	1	$0.06 \\ 24.00$							56	0 44	18.65 0.69	1915	ε Scorpii. σ Octantis.	
2.26)			53.91 49.48	30.596	56.0	50.0			15.68							70	51 51	6.34 1.91	1781	The second secon	
		44	9,93	.596	56.0	50.3			10.04 11.22	10	36.37		15	47.	20		21	53.15 8.61		b *(7 mag.)	
4.37	7	51	52.97 52.76	.604	56.0	50.3			8.21							63	55	57.93			
5.34		47		.604 30.594	56.0 5 55.0	50.0	50.0		6.31 8.09							62 63	51	30.66 53.39	883	& Canis Maj.	
			50.28	30.560	5G G	57 6	50 5	1	8.32		6.42					08.61		55.12 2.79	883	∂ Canis Major	T.
	48	57	19.19 50.14		28.1			1	7.07		6.36		15	48.	60	105	18	2.79 5.25 42.32		ō O	
4.62)	45	54	50.44	1	58.0			1	0.12 53.20		4.69 3.76						59	42.62		ž Š	
	-67	51 51	36.29 54.14	.469	58.0 56.5	59.0	53.0	2	21.86 8.11							-11 63	50 55	1.40 59.00		Antares	
0.00)	7	35	52.96 20.65		56.5				0.00	7	35.44		16	2.	94	63	15	57.82		D	
	7	34	24.46 20.67 44.97		56.5 56.2				7.82							63	38	29.03 25.24 45.39	1967	A Ophiuchi Se A Ophiuchi P γ 2 Sagittarii	
4.56	-2	52		30.465					2.95						-	53	11	40.02	2101	β Telescopii β Telescopii.	
	-0	31	18.67 28.99			1			0.54							55	32	37.54	2110	ε Sagittarii. α Columbæ.	

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 PLANET.		A	В	c	D	E	F	Molyneux.	fo Microm. or Time.		ead f Cir	rele.	Initials of Observer.
Day.		PLANEI.	,		"		"	11	11	F. A. m. s.	1 11	0	,	"	
11 Aug.	734	α OrionisM.R.	45	51.6	39.	23.1	47.0	20.4	45.0	18.925	-49.73	104	46	27.69	T.M
	734							49.8							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
310	27	O N. L β Hydri SP						82.4 51.8						2.23	T.M T.M
		t's center MR						02.6			-14.88				T.M
		(a) & scenter						56.5							T.M
	1986	θ OphiuchiM.R.						18.4			-35.86				T.M
	1986	θ Ophiuchi D S. L						66.0			The second	335		1.46	T.M T.M
	6	*7.8 magM	40	10.	13.	20.0	111.	10.0	0.0	24.880	-3 10.46			3.05	T.M
	2163	φ SagittariiM.R.						18.9		20.800		139	17		T.M
	2163	φ Sagittarii						9 54.6						50.77	T.M
	699	α Columbæ (b) CanopusM.R.						5 39.2			+23.89			35.99 52.51	T.M T.M
	807	Canopus						8 22.0						17.42	T.M
	838	Sirius M.R.	37	45.	4 57.	0 20.	4 70.	9 18.8	53.7	19.830	+13.23	128	37	57.52	T.M
	838	Sirius	30	09.	0 10.	8 10.	2 11.	5 13.3	00.0			343	30	9.48	T.M
13 Aug.		⊙ N.L M						6 88 .0			-1 08.68			55.31 20.80	T.M
		OS.L	25 37					$\frac{4}{0}$ $\frac{42.5}{11.7}$			-1 21.90			3.68	T.M
		(c) &'s center	31					281.0		2		10	32	4.42	T.N
		(d) 9's centerM,R.	37					6 59.8			-1 03.0				
		g N. L	31					7 71.3 8 12.3			59 0			58.06 45.02	
	1	(e) & s center	21					5 27 .			-55.0			24.03	10 500 50
	2110	ε Sagittarii						2 48.5						47.03	
	2163	φ SagittariiM.R.	17					8 08.			-14.19			17.87	T.N
	2163	φ Sagittarii	50 27					8 56.5 4 70.5			1000	2000		51.57	T.N T.N
	2339	59 Sagittarii . M.R.		24.	2 39.	4 03.	7 54.	0 03.	37.	21.025	-34.9			51.82	
	2339	59 Sagittarii	24	18.	0 18.	8 22.	1 17.	0 23.	0 04.5	2				18.14	T.N
		B Octantis	28	28.	7 26.	2 44.	8 43.	0 44.	2 46.	5 19 54 30	+.0			19.28	
	699	A Octantis SP	50	34.	3 30	6 46	8 45.	8 39.	8 10	0 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.	6 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 0000		1 497 A			16.94 57.90	
	838							8 14.			127.4			9.44	
14 Aug.		(f) ⊙ S.LM						8 77.			0 -55.7			57.30	
	1.11	N. L	38					0 55.			5 20 1	3 100	38	33.23 48.66	T.M
	1	(g) §'s center . M.R.	48					2 04.			-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		2020	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

appa-	App	rent	Zenith		The	rmome	eter.	D.		D	- 1	Microm,	S	emi-		Geoc	. S. 1	P. D. of		NAME OF ST	P
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Refr	action.	Parallas	-	Limb,		met			Cent		No. ASC	or PLANET.	
	۰	1		Inch.	0	0	0	,		' "		r	,			0	1	"		T LIMITE.	
3.85				30.418	54.6	50.0	48.2	1	51.85						16			25.38		α Orionis	
5.41	-18	39	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									37 73		49.85	807		
3.41	17	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.			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		32.52	2.	13							17.64 16.77		8	
4.89	9	5	56.16	.364	57.0	53.5			9.38							65	10	2.29	1986	θ Ophiuchi	
	9	39	56.99 9.04	.362	56.5	56.0		N.	5.77	5 42.	14		16	18.	06		10 53	3.12 47.48	1980	θ Ophiuchi.	
16			58.58 48.60	360	56.5	55 8		-	5.71								40	$\frac{1.04}{52.28}$	2163	*7.8 mag.	
3.32	6	46	46.30	.000	00.0	00.0			6.93							62	50	49.98	2163	φ Sagittarii.	
	-		28.48 48.04	.420	56.4	57.5	55.0		0.23							100.00		28.04 49.04	807		
4.97	-18	39	47.05	3					19.67							37	-	50.03	807 838	Canopus.	
3.50		26 26	5.01	30.420	00.0	57.0	00.0		18.27									21.97 20.03	838		
				30.392	58.2	62.5	57.3		5.89		36		15	48.	.90			58.22		0	
			16.33	.380	58.8	63.8		1	4.69 56.32		31 62					104		0.36 49.24		ě O	
4.05)	44		59.95 49.89	380	58.8	61 5				1 3						F F 151		48.40		\$	
	41	27	53.59						50.94	3.	71	20.402		4.	.92	97	32	32.65	13	9	
(4.53)			19:45 19.56	.360	58.6	60.2	56.4		32.41	2.	11					0.5		46.50		8	
			17.44 46.60	257	57.5	56 A	1 8		0.53			1.17						38.78 50.27			
4.72	6	46	47.10	1000000	See les	1000			6.92	1.99.55	200	100				62	50	50.77			
	G	24	0.54 12.65		57.0 57.0					6 33.	75		16	30	.22		38	0.30	2339	59 Sagittarii	
4.98	6	20	13.67 45.19		57.0		1 8	1	6.46									16.88	2339	59 Sagittarii. B Octantis.	
	-57	39	32.24	.345	57.0				31.90							-1	37	7.39		A Octantis S	5]
4.00	41	-	28.25 38.24	0.00000	57.0	57.8	53.2		0.23			2.53						28.27 25.82			
4.00	4.1	17	37.29 48.54 47.53		57.0		1		50.83									24,87 48.69	734 807		
4.98	-10	03	47.00	140000000			1		19.52							37	23	49.70	807	Canopus.	
3.67			4.97	30.379	57.0	09.8	55.2	1	18.18	B. Carlo			-			100000		21.50 19.90	100000	Children of	
			52.83 28.76	30.245	59.0	64.4	58.2	I	3.45		27		15	49	.10			35.86 34.71		0	
(3.93)	43	44	15.81	30.214	59.6	65.4	59.2	2	54.43		33 59					99	49	2.40	3	ğ	
	43		14.72	20 000		-	-										49	1.31		P. Ostantia	
4.55			46.89	30.009	56.0	50.0	50.0		24.90	E			1					44,96		B Octantis 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 Mission			luded	Jo
and	1000	OF.	1	A	В	c	D	E	F	Molyneux.	for Microm. or Time.			ding ircle.	ials
Day.	A.S.C.	PLANET.	-												Initials of
	_		'	"	"	"	11	"	"	h. m. s.	, ,,	0	,	"	1
19 Aug.	2388	αºCapricorni M.R.	11 4	42.6	48.8	15.4	66.0	12.3	49.2	21.149	+39.97				
	2388	aºCapricorni	57 (03.8	05.7	05.4	08.4	10.8	59.5		25 25)	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.
	0510	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				
	Land of	Georgean					53.6					350	15	48.63	T.
. 119.9	2741	FomalhautM.R.					69.0				-49.45				
	2741	Fomalhaut		TO	2000		15.3	996-203		1 21.049	-35 94)			16.52	T.
7,000	000	7 Octantis,M.R.	29 3	39.5	04.8	51.0	56.4	42.2	14.6	23 02 00	-35.94) -0.09	200	28	49.14	T.
1166	AN I	7 Octantis								23 04 00	+0.58			10.19	1000
400	0040	Vesta M. P.								23 21 27	02 00			2.45	T.
	2849	(a) γ¹ OctantisM.R.γ¹ Octantis					39.4			20.750 23 44 04	-23.88 +0.31			6.82	T.
Hart	10	y 3 Octantis M.R.					45.0				-53.32				T.
	10	γ 3 Octantis					11.6				+0.12			46.01	T.
		o OctantisR.								0 17 00	. 02			25.81	T.
	79	o Octantis					09.3 70.9				+.90		26	43.95	T.
	,,,	D N.L					19.4							17.34	
	189	o Piscium					37.5					8	19	35.76	T.
21 Aug.	.6	⊙ S.L	51 4	13.2	77.6	60.8	62.2	82.6	45.5			11	52	2.18	T.
	1915	ε Scorpii					23.6							26.77	T.
	1947	k Scorpii σ OctantisM.R.					39.9				+8 51			42.03 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 12.00		52	13	54.22	T.
	2071	y Draconis					06.9				00.00			35.33	T.
	2101	β TelescopiiM.R. β Telescopii					65.8			20.713	-22.38			49.66	T.
1000	2110	ε Sagittarii					41.8							43.16	T.
24 Aug.		(L) ⊙ N. LM	22 4	5.2	81.2	56.8	73.4	79.2	56.2	20,380	-8.95	11	22	56.30	T.
	4	(°) ⊙ S. L	50 5	6.0	92.2	64.0	85.0	88.0	67.0			10	51	15.77	T.
		(c) S's centerM.R.					30.8			21.628	-59.29			29.36 39.82	
	1	y's centerM.R.	10 2	5 5	37 6	28.0	33.4	94 0	26.7	22.442	-1 32.13	110	08	58.65	T
100	0190	Q's center					78.0			~~		1	59	9.53	T.
- 400		σ Octantis					44.0							27.02	
	2007	λ ScorpiiM.R.					60.8							46.65	T.
B. The	2007	λ Scorpii					$12.0 \\ 55.0$				-28.03	- 1-1			T. T.
		(e) γ Telescopii	0 4	59.0	61.9	72.0	50.0	67.2	35.9			323	00	57.98	T.
		(e) γ Draconis	12000				25.4		0.000	(NE119)	Della Salay			47.55	1000
	2110	(e) ε Sagittarii	32 4	16.3	46.9	58.3	36.0	52.2	22.2		A Land	320	02	43.91	T.
25 Aug.		(e) ⊙ S.L					44.2					10	30	35.64	T.
	2007	σ Octantis M D					43.2			20,550	-15.81			26.79	
	2027	κ Scorpii M.R.					53.9 25.8			20.550				42.33	
	2071	y Draconis								19 19				40.61	

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-		a war	t Zenith		The	rmome	eter.				Microm.		Semi		Geo	. e	P. D. of		NAME OF S	
rent Zenith Point,			ince.	Barom.	Attach.	Out,	Wet Bulb.	Ref	fraction.	Parallax.	opposite Limb.	dia	amet		Geor	Cen		No.	NAME OF ST	
	0	,	11	Inch.	0	0	0	-	"	, 4	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.	
4.72			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						3	13	00.00	2010	C Octantis.	
3.36			45.54 45.01	29.946	56.0	50.0	B		27.99	0.18						16 16	10.10	10	Georgean Georgean.	
4.03	3	27		29.940	56.0	50.0			3.51						59	31	12.34 13.16	Parties and	Fomalhaut	
	-54	24	45.52	29.938	56.0	50.0		1	21.07						1	37	50.16		7 Octantis	
4.67			43.43												1		52.25	100	τ Octantis.	
				29.924 29.918					19.95	2.03					75		22.19 51.28	9840	Vesta. γ¹ Octantis	
			56.80	29.910	00.0	30.2		1	6.64						7				γ¹ Octantis.	
3.82	-49	10	18.00 17.61	29.910	55.5	50.4		1	7.08								31.67 32.06	10	γ 3 Octantis	
. 00	-55	18	22.19	29.905	55.0	50.4		1	02 64								10.92	10	γ 3 Octantis. ο Octantis	
4.88	-00	A.O.	19.01	49.002	00.0	30.0		1	23.64						0		13.44		o Octantis.	
	42	23	13.72	29.877 29.877	55.5	50.2 50.4			45.87	39 38.99		16	5.	73			44.58 18.62	79	Piscium.	
	42	15	32.14						52.64						98		21.53	189	o Piscium.	
				30.272					59.69	6.06		15	50.	40	102		39.34		0	
-	-0		36.85	.210	56.0 56.0	52.0 52.0			0.06						56 56		19.84		ε Scorpii. k Scorpii.	
		18	37.05	.210			50.0	1	24.23	1					0	43	55.47		σ Octantis	
****			36.08 50.60	.210	56 0	51 6	50 0		21.20						0	43	56.44	2016	σ Octantis. β Draconis.	
	85	16	31.71	.211	55.5	51.5	30.0											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					58.01	6.01					101	7	50.43		0	
100	44	47	12.15						56.95	5.96		15	51.	00	101	7	50.89		0	
4.59)			34.26	.054	60.0	59.3	57.0		42.36	4.28					-	33	9.09		ğ	1
4.09)			4.97	.050	59.8	59.2	56.8		41.49	3.40							39.81		Š Š	1
- 33			5.91							3.40							40.75		φ Octantis.	
and the same	-3		36.60 43.03	.065				1	23.40						53		56.78 10.64	2007	δ Octantis.	1
2.94	-3		44.40						3.08	10000	1000				53	1	9.27		λ Scorpii.	,
3.13	-3 -3	3	4.66 5.64	.065	57.0	54.4	1		3.09	BA SHE					53 53		49.00		γ Telescopii γ Telescopii.	1
	85	16	43.93	.065					0.50									2071	7 Draconis.	
	-0	31	19.71	30.065	57.0	54.6			0.53						55	32	36.51	2110	€ Sagittarii.	
				30.278					56.17	5.92		15	51.	20			10.22		0	
	-55 -5		36.83	.290				1	23.85						51		56 07 31.54	2027	σ Octantis. κ Scorpii	I
3.04	-5	0	21.29						5.09		La				51		30.37	2027	K Scorpii.	-
	85	16	36.99	30.286	58.0	56.3	-							1				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	1916	NAME OF STAR	-		N	licros	copes.			Micrometer		Con	ncluded	Jo
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.		Circle.	Initials of Observer.
2,.			,			17			"	h. su. s.	, ,	0	, ,	
25 Aug.	2101	β TelescopiiM.R.	56	38.8	33.5	23.	0 49.8	10.8	47.0	20.550	-15.81		6 17.9	
	2101	β Telescopii ε Sagittarii	11	52.1	51.4	70.	5 34.4	64.6	21.8			323 1	1 49.5	2 T.M 3 T.M
	699	a Columbæ	50	40.4	41.0	52.	8 29.0	46.7	15.5			325 5	0 37.6	3 T.M
	734 734	a Orionis M.R.						26.8			-7.18		6 24.3 1 41.4	
	704													
, 26 Aug.		⊙ S. L M ⊙ N. L						65.4			-4.84		9 49.4	100
	1885	Antonos M D	12	31.0	37.0	12.	9 53.0	09.2	39.0	20.639	-19.40	138 1	2 11.0	4 T.M
	1885	Antares σ Octantis						65.2		17 08 15		1-05-750	55 59.8 15 25.8	-
	2043	y Telescopii M.R.	7	39.0	30.5	21.	4 49.0	10.2	47.0	20.746	-23.79	149 (7 9.1	1 T.M
-119	2043 2101	γ Telescopii β TelescopiiM.R.						72.5			10 16		00 57.8 56 17.3	
All May	2101	β Telescopii						65.0			-12.10		1 49.4	1 T.M
	2110	«Sagittarii						8 60.0		21 58 21	1000		32 44.5 14 23.9	
	2181	COctantis						906.1			-21.20	100000		
	2181	ô Gruis						274.0			0.00	315 4		
	David .	(b) Georgean M.R. Georgean						37.8			-3.3		58 30.0 99 36.5	
	2741	FomalhautM.R.	37	32.0	33.	1 15.	0 49.	5 09.2	41.4	21.095	-37.79		36 51.8	3 T.M
	2741	(c) Fomalhaut	30					784.0		23 00 05			31 13.§ 39 19.§	
		(d) VestaM.R.	5	41.0	36.5	221.	1 45.	8 14.0	38.3	20.712	-22.3	128	05 10.5	1 T.M
		Vesta	2	51.3	3 58.	56.	2 57.	0 62.2	44.2			344 (02 55.7	1 T.M
§ 30 Aug.	2741	Fomalhaut M.R.						2 04.9			-34.0		36 52.2	
	2741	(e) Fomalhaut	31					4 25.4		28 00 23	110000	100000000000000000000000000000000000000	31 15.0 39 19.5	100
	199.5	VestaM.R.	37	34.8	3 29.	6 13.	8 42.	4 03.2	33.3	20.353	-7.8	128	37 18.4	5 T.M
	7	(f) Vesta	30	44.3	348.	8 50.	4 48.	2 52.7	35.3	3	No. of the last	343	30 47.5	9 T.M
4 31 Aug.		7 Octantis	39	24.9	23.	2 49.	9 32.	8 47.5	38.0	23 00 23			39 16.3	
	0	(f) VestaM.R.	22	56.6	361	8 20.	0 50.	5 10.6 9 65.0	40.8	20.848	-27.8		15 5.4 22 59.2	
	2861	γ 2 Octantis M.R.							1	523 47 49	-0.2	195	11 8.7	
	2861	γ º Octantis			1000			3 8 8 8 8	1 30000	20.380	-J + W	31	56 57.5	
	10									50 1 22	-0.1		14 25.3	
	10				0.000					11 21.071	-01.0	4	53 43.1	
	1	(g) o OctantisR.	22	46.	102.	2 41.	604.	1 30.9	29.6	6 0 16 30	70.1		22 25.8	
	60	o Octantis α Cassiopeæ									1	0.0000000000000000000000000000000000000	45 41.9 12 58.9	-
	807		43	36.	0 20.	4 22	2 36.	2 07.9	43.0	19.660	+20.0		43 47.0	
	807	Canopus	24	27.	4 24.	0 45.	2 58.	0 36.7	749.0		.10.0		24 20.8	
	838		30	08.	2 12.	9 12	7 12.	5 16.6	59.6	19.664	+19.9		37 54.1 30 10.3	
♀ 1 Sept.		(h) ⊙ N.L M	1		1000	1	- Inch	100000	A Property		-31.1	1 8	33 20.4	14 T.N
P		⊙ S.L	1	19.	8 54.	0 26	.048.	9 47.8	30.5	5		8	01 38.3	35 T.M
San		(i) Q's centerM.R. Q's center	50	36.	1 26. 2 63	2 14	8 31.	5 60	26.9	23.550	-2 16.8		17 8.4 50 58.1	
				Mol	yneu	x fast		. 26th				507	00.	2.0
(b) Correcti	on for ?	Observation at the 2nd Wire, to Notion in Declination, 6".02		10000						or Motion in ted by the fix		0".25		
(c) Like a	torch.	The images were good in to clouds have since spread of	he c	arly p	art of	the		The 1	d Obse	rvation at the	4th Wire, an			
(d) Faint.	Correc	tion for Motion in Declination off. The images are crabb	on. 0	2.27				+0"		Curvature i	notion but	respecti	itely, Tu	tor and

Sec. of appa-	200	are	nt '	Zenith		The	rmome	eter.					Microm.	,	Sen	i-	Geor	. s.	P. D. of		NAME OF ST.	A T
rent Zenith Point.			tane		Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Para	llax.	opposite Limb.			eter.		Cent		No. ASC	or PLANET.	
"	0	,		"	Inch.	0	0	0	,	"	,	"	r	,		"	0	,	,		- AMARIAN	
3.71	-2	5	2 1	4.10	30.286	account.	la const			2.91							53	11	39.74	2101		1
				9.49		58.0 57.0			-	0.53				100					36.73 30.53		ε Sagittarii. α Columbæ.	
2.94	41	1	7 3		30.208					50.88							97	22	26.87 25.50	734 734	a Orionis	
	44			16.03 26.56	30.172	59.8	65.0	61.0		55.08 56.11		5.89 5.94		15	5	1.5	1000000		23.47 21.98		<u>o</u>	
5.45	7	5	1 5	2.35	.104	60.0	58.0			7.95							63	55	57.05		Antares	
0.10				66.46 37.52	104	59.0	56.2	54 0	1	23.23									61.16	1885	Antares. σ Octantis.	
3.50	-3		3	5.72		59.0				3.08							53	0	47.95		y Telescopii	
	-			5.51	105	59.0	55 8										53	0	48.16	2043	γ Telescopii. β Telescopii	
3.37	-2	5	2 1	3.98	.100	33.0	30.0			2.90							53	11	39.87	2101	β Telescopii.	
				8.83	068	59.0	50 8		1	0.53									37.39		ε Sagittarii. C Octantis.	
3.94	-10	2	3	4.27		59.0			1	10.64							45	40	41.84	2181	δ Gruis	
	-10	-		3.17	066	59.0	50 0				19						80		42.94		δ Gruis. Georgean	
3.27	24			33.12	.000	39.0	52.0			26.00	1	0.18					8(55.69		Georgean.	
2.89				11.56	.063	58.5	51.3			3.51	100						10.000		11.82	1000		
	-54	1 2	4 4	14.15		58.5			1	21.18							0:		51.42		7 Octantis.	
(3.11)				52.88 52.32	30.058	58.0	51.4			18.89		1.94					74				Vesta Vesta.	
3.69				11.11	30.465	56.0	46.8			3.59							100000		11.45 12.04			
	-5	1 2	4	43.85		55.5			1	23.05								37	49.85		- Octantis.	
(2.87)				14.94 13.90	30.465	55.2	46.5			18.72		1.89							58.52		Vesta Vesta.	
					30.312	55.0	48.3		1	22.37									47.32		7 Octantis.	
(2.33)				57.97 55.84						18.42		1.87						3 23	3 11.27 3 9.14		Vesta Vesta.	
100	-4		7	5.31	.308	55.0	49.8										1 4 8 5		43.52	and the same	γ º Octantis	
2.98	-4	9	7	6.14					1	7.92							32				γ 2 Octantis.	
B. O.	-4	9 1	0	21.92	.300	55.0	51.2														γ 3 Octantis	
4.21				20.28			100		1	7.85				-					28.62	1	γ 3 Octantis.	
3.56	-5	5 1	8	22.47		55.0		1000		24.60			133	-			1) 44	9.68		o Octantis o Octantis.	
4.25	8	8 3	39	55.54 44.28 42.57	.244	56.0	55.0	53.6	5	19.65									52.82 54.53	807	100 march 100 ma	
2.47	1		26		30.244	56.0	55.5	53.6	5	18.25							7:	3 30	24.24	838	Sirius	
	4	2 9	29	17.05 34.96	30.178	58.0	62.0	58.5	5	52.40		5.79		15	5 5	2.8		3 18			0	
(3.33)	3	1	16	54.93	30.139	58.0	62.5	58.9	2					1			8	51	23.92		\$	
(3.33)	3	1 .	57 16	34.96	30.132		1			51.44		5.66	-	15	5 5	2.8	98	18	10.29		0	

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	Lane -	NAME OF STAR		-	Ŋ	licroso	opes.				icrometer				luded	of er.
and	No. A.S.C.	or		A	В	c	D	E	F		Time by olyneux.	for Microm.		read of Ci	ling ircle.	Initials of Observer.
Day.		PLANET.	1	11	"	,	8	11	,	h.	r.	1 11	0	,	,	
2 1 Sept.		σ Octantis	45	33.8	29.	5 57.	40.9	55.5	45.1	17	07 30				23.65	T.M
-	2071	γ Draconis β TelescopiiM.R.	20	30.3	77.0	0.57.3 $0.08.8$	30.2	84.0	16.1	17	52 50 20.225	0.70			49.15	T.M T.M
	2101	β Telescopii				965.6					20.225	-2.70			47.98	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				273.1									4.68	T.M
	2387	B Octantis				446.2									12.40	T.M T.M
	2518	Piscis Austr				28.6									13.08	T.M
		Coorseen M.D.	3	41.1	35.9	19.2	46.1	18.0	39.0		19.772		122	03	48.50	T.M
	07.13	(a) Georgean				56.4					19.772					T.M
	2741	FomalhautM.R. Fomalhaut				19.9					19.750	+16.46			14.75	T.M T.M
	2.11	7 Octantis									00 20				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
	100000	B OctantisM.R. B Octantis				63.7					20.070	+3.55			14.38	T.M T.M
	2388					27.6					21.173	-40.94				T.M
	2388	a Capricorni	56	62.0	66.0	64.0	69.2	70.4	59.8				346	57	5.49	T.M
						22.0					20.556	-16.05				T.M
		A Octantis SP Georgean	1	35.6	41.8	48.0	36.0	39 9	36.3						17.52 39.07	T.M.
	2741					17.4					20.110					T.M
	2741	Fomalhaut				28.6									13.28	T.M.
		(b) TOctantisM.R.	28	49.0	06.0	42.2 51.2	12.8	32.0	37.0		19.640				50.72	T.M.
						64.6							342		2.23	T.M.
	2849	γ Octantis M.R.	4	36.1	58.2	31.0	04.9	19.2	27.6		23.482	-2 14.07			5.37	T.M.
	2040	y Octanus				96.8							277		2.13	T.M.
	2861					92.0 51.9					17 533	+1 45.95			58.17	T.M.
						73.3					06 20	+1.70				T.M.
4		(e) o Octantis M.R.	23	16.2	32.2	10.4	35.6	59.0	01.2		20.880	+29.12	201	22	26.55	T.M.
											18 50 20 32		270	45	40.40	T.M.
	219	a Hydri R.	29	24.8	00.0	04.3	14.4	53.8	23.2		20.566	-16.46		1000		T.M.
4	254	(c) d Hydri M.R.	31	41.0	19.2	30.0	32.4	21.1	45.1		21.008	-34.28				T.M.
	254 340	γ PerseiM	50	85.6	72.8	107.6 69.1	37.0	93.8	39.7		20.908	+0.74				
	341	Persei	15	43.0	91.8	73.4	47.0	100.8	35.0		20.308	-00.20	40		5.17	T.M.
17.	365	a Persei	8	49.1	96.8	75.9	49.5	103.2	36.5		12 39	32	49	09	8.50	T.M.
1	439					29.9					22.520					T.M.
	439 699					56.2 52.5					33 35.5				20.78 37.45	T.M.
11 - 14	838		36	33.5	31.1	10.2	48.2	01.7	35.0			+1 28.54				T.M.
1	838					14.2					48				12.21	T.M.
5 Sept.						58.4					19.636	+21.05				T.M.
2	60	⊙ N. L				60.6					20.055	-1 16.52				T.M.
10	(4)	(9) § 's center	40	38.4	49.3	39.0	54.0	46.3	43.2						45.60	T.M.
		2's centerM.R.	22	51.8	43.2	26.3	51.2	24.0	45.0		22.655	-1 40.72				T.M.
	1	(") 2's center	46	59.0	68.8	56.4	73.0	65.2	62.5				355	47	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.			0-		D.D.			11.50
rent Zenith Point.	Apparent Zeniti Distance.	Barom.	Attach.	Out.	Wet Bulb.	Rei	fraction.	Paral	lax.	for opposite Limb.	diar	emi- neter.	Geo	Cen	P. D. of	No.	NAME OF STORY OF PLANET.	
"	0 1 11	Inch.	0	0	0	-	"	,	"	r	,	"	0	,	"		PLANEI.	
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	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	.071 .063 .060	57.0 57.0 57.0 57.0	55.2 55.8			24.19 18.89 1.09						0	26 15	41.57 15.08	2254	E Cygni. B Octantis. Cygni.	lis
2.80	24 0 10.71		57.0				25.89	0	0.18				80	4	37.35 36.17		Georgean Georgean.	
2.72	3 27 12.70 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					31	12.96 11.62 46.77 27.92			
	86 46 42.51 -55 35 50.01 -55 35 48.93	30.321		49.8		1	25.86								40.88 41.96	2254	κ Cygni, B Octantis B Octantis.	3
2.51	20 53 3,79 20 53 2.18		56.2				22.50						76 76	57 57	23.04 21.43	2388 2388	a 2 Capricorni a 2 Capricorni	
	-57 39 46.04 -57 39 45.79		55.0		46.5		33.18 26.33						-l -l	37	22.47		A Octantis SI A Octantis SI	P.
2.37	23 57 35.76 3 27 11.85 3 27 9.97	.327	55.0				3.58	U	.18				80 59 59	31	58.66 12.18 10.30		Georgean. Fomalhaut Fomalhaut.	1
	-54 24 47.41 -54 24 46.78	.327	55.0	47.0			22.62						1	37	46.72 47.35		τ Octantis τ Octantis.	1
3.75	16 48 58.92 -48 58 2.06 -48 58 1.18	.327					7.98	1	.82				72 7	4	11.75 46.71		Vesta.	1
3 00	-49 7 5.14 -49 10 21.35	.326				1	8.34 8.48						6	$\frac{55}{52}$	43.27 26.92	2861 10	γ 3 Octantis	3
	-49 10 20.38 -55 18 23.24	.318	54.0	46.8			25.40						120	52 44	27.89 8.11	10	γ 3 Octantis. ο Octantis]
	-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.	1
	86 48 27.97 74 12 1.86 83 5 5.19	-000000000	54.0	45.2	44.3		27.14 37.64						139	16	25.75 39.58	341 365	γ Persei. Persei. α Persei.	
	-40 46 46.18 -40 46 42.53 -0 13 25.86	.329	54.5	15.2	44.5		51.25						15	16	19.32 22.97 30.66		γ Hydri γ Hydri. α Columbæ,	1
3.52	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	RA			84	41	6.56		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		9	I

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 /	,,,	al o
å 5 Sept.		σ Octantis	45 35.5	33.7	57.8	47.0	56.3	40.4			270 45	25.12	T.N
o		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.I
	2741	(a) Georgean FomalhautM.R.	0 41.8							_44 65	350 00 142 36		T.1 T.1
	0711	Pamalhant	31 13.2								329 31		T.1
		(b) - OctantisM.R.	28 44.1						19.498	+26.62	200 28		T.N
		Vesta	39 28.0 45 51.0								271 39 342 45		T.M
		(c)	40 01.0	00.9	32.2	00.0	30.0	40.0			042 40	02.00	1.0
5 9 Sept.	138	σ Octantis							17 09 30		270 45	27.60	T.I
	2110	¿Sagittarii	32 42.2								325 32		T.M
	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								1
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.1
	A. 150 CO.	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.M
	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.M
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	к 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
		(a) a Capricorni	57 05.0								346 57	6.02	T.N
	2445	Capricorni M.R.	59 39.6							-31.58	137 59		T.M
	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 07	198 53		
	1 3	C OctantisM.R.			10000			7.700	20.851	-20.07			160
	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		rent	Zenith	Barom.	The	rmome	eter.				Microm.		emi-	G	00 8	. P. D. o		NAME OF ST	
rent Zenith Point.	I	Dista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parallax.	opposite Limb,		meter			nter.	No. ASC	NAME OF ST or PLANET.	
"	0	1		Inch.	0	0	0	,		, ,	r	,	"		0 /	"		T DATE .	
				30.326				1	24.35							3 54.21		σ Octantis.	
1.43)	23	56	45.36 41.59	2000	57.0	-			26.21	0.1	8			1 0		1 4.37		Georgean.	
3.04	3	27	11.21 10.67			48.6			3.56							1 11.59 1 10.98		Fomalhaut.	
5.41			49.13	30.313	56.0	47.0	47.2	1	22.57						-	7 45.05		τ Octantis τ Octantis.	
			49.32					1	17.76	1.8	0			1	2 4			Vesta.	
			35.75 21.50	30.355		52.2 49.3		1	24.59		18.119					3 56,41		σ Octantis.	
	8	25	30.70	.366	57.0	49.3			0.54 8.75					1	64 2	9 36.20	2122	ε Sagittarii. λ Sagittarii.	
	10		56.72 13.24			49.0 48.6				5 37.9	5	16	9.6			2 30.97 3 23.48		D π Sagittarii	
2.98	12	39	12.49	30.400					13.46					1	8 4	3 22.70 5 45.63	2220	π Sagittarii.	
3.48			40.12	30.400	57.0	40.0			9.06							5 45.93			
				30.191	57.5	56.2		1	23.48					1		3 53.78		σ Octantis.	
2.70	12	39	20.85 13.68	.185	58.0	57.0			0.53	B				1	8 4	2 35.33 3 23.4	2220	π Sagittarii	
BOOK I			12.37 39.48	.185	57.2	57.3			10000			-				3 22.10 5 45.03			
3.34	8	41	39.46 17.17			54.3			8.84	7 43.1		16	21.5	1		5 45.08	2290		
2.55	15	11	24.97			53.2			15.81	7 45.1		10	21.0	1	1 1	5 37.53	3 2403	π Capricorni	
3.17	8	4	23.36 53.08	.165	57.0	53.8	50.5		8.26							5 35.99 8 58.09	THE RESERVE OF THE PARTY OF THE	↓ Capricorni	
	8		52.72 11.19	.128	57.0	51.0										8 57.73 1 11.40	O RESIDENCE AND ADDRESS.		
3.02		27	10.53 44.45						3.52	Vant.				1	59 3	1 10.80	2741		
1.28	17	26	10.94	30.042	56.0	$51.0 \\ 49.0$			16.90 18.36		3			1	3 3	0 26.08	838	Sirius	
1.20		26	6.79						10.00						3 3	0 21.90	838	Sirius.	
			38.85	30.005	59.0	66.4	61.6		45.29 44.44	200		15	55.3			4 20.20		0	
				29.996 30.026					28.39 22.82	2.7	8 20.495	,	6.8	6		4 0.75 3 55.21	23.4	φ σ Octantis.	
	-0	31	21.28		100			1	0.52					1		2 34.9	2110	ε Sagittarii.	
3.89	-55	35	$\frac{4.65}{52.25}$.056	58.0	53.4 53.7	52.8	1	24.41		-			1	0 2	6 40.09	2254	κ Cygni. B Octantis	
	20		51.17 5.82	.056	58.0	53.5	53.0	100			1	1				6 41.13		B Octantis.	i
1.78	20	53	2.67 53.12			53.5			22.11			1		1	6 5	7 21.53 8 58.10	2388	a 2 Capricorni.	
3.30	8	4	53.01					1	8.23			-		1	64	8 57.99	2445		
2.27	20		40.63 12.59			53.5		1		11 53.7	9	16	30.5			9 25.96 3 20.46		Σ Capricorni	
	10		10.42 7.43		1	51.5			11.12					16	66 5	3 18.29 8 22.05	2543	¿ Capricorni.	
1.76	-17	4	4.25						17.87					100	3	8 18.87	2586	¿ Capricorni.	
5 17	-52	49	47.88	30.070	57.5	51.2	50.0		16.68							2 52.19	1	C Octantis	
3.11	-52	49	44.25		1	1	1	1 4	10.00	1	17	1		-	3 1	2 55.89	2	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	Mie	cros	col	es.						crometer			tion	(one			of of
and Day.	No. A.S.C.	OF		A		В		c		D	1	E		F		Time by olyneux.		Tir	rom.		of C	ding		Initials of Observer.
Day.		P LANCE.	,	ø		"		.11		ø		11		"	h.	r. m. s.			#	0	,			
11 Sept.				48.												20.496		-13	3.75	122				T.M
	2741	Georgean R. Fomalhaut R.	36	37.	.0	53.	2	23.	07	72.	42	1.4	5 5	6.6		19.948		+1	8.34	142	36	52	.15	100000
	2741	Fomalhaut M.R. (a) Vesta M.R.	1	14. 32. 43.	.0	45	.3	09.	86	30.	3 1	0.9	24	3.6		20.495		-13	3.71	329 130 342	01	19	.64	T.M T.M
16 Sept.		C OctantisM.R.									1		1			20.805		-21	6.29	198				T.M
	2700	(b) C Octantis β OctantisM.R		25. 46.												19.853				273 194				T.M
	2700 2741	(b) β Octantis FomalhautM.R.	37	34.	0	58.	0	31.	0 7	77.	52	7.4	16	3.8		21.552				3 277 5 142	36	53	.95	T.M T.M
	2741	VestaM.R.	28	61.	0	74.	0	39.	8 8	37.	0 4	0.4	5 7	1.2		20.936				130	28	30	.58	T.M
	2849 2849	(c) γ 1 Octantis M.R.	5	77. 68.	2	64.	9	86.	7 2	21.	28	0.3	3 2	6.4		19.995					05	58	.23	T.M
	10	(c) γ 3 Octantis M.R.		45. 51.												20.168		-	0.55	195 276				T.M
17 Sept.		⊙ N.LM ⊙ S.L		37. 26.												19.206		+3	8.28					T.A
			59	27.	0	33.	0	01.	0 4	19.	65	8.8	8 3	5.9		21.440		-5	1.88	122	58	32	.69	
		(e) Q's centerM.R.	23	38.	.1	43.	3	11.	06	30.	0 0	9.9	24	8.0		21.770	-1	1 0	5.14	122	22	30	.50	
18 Sept.				47.												19.587		+25	2.91					T.N
		(f) 8's centerM.R.	15	02.	0	35.	2	03.	63	55.	3 5	8.9	24	3.4		20.937		-3	1.5	1 123	14	56		
		(e) §'s centerM.R.	52	07. 47. 34.	.8	46.	7	17.	06	35.	5 1	3.5	24	5.4		21.925	-1	1 1	1.39		51	28	.58	
		B Octantis R.	40	21.	.3	46.	2	28.	03	36.	52	0.5	2 5	8.0	19	25 35 30 33				201	39	57	.42	
		R.	40	15.	.2	40	3	22.	8 3	30.	0 1	5.9	2 5	2.2	19	36 35 43 40		-	1.93	7 201 8 270	39	57		T.N
21 Sept.	à	(k) ⊙ N. LM	57	30.	.6	52	.3	44.	24	13.	0 6	0.7	72	8.0		19.324		+3	3.5				.65	
	2110	S. L	32	48.	.3	40	.5	53.	5	35.	8 4	4.5	2 2	7.2		10.40		1	0.14	325	32	41	.58	T.M
		B Octantis R	27	68	.0	75	.0	56.	06	50.	0 6	0.5	25	8.4	19	23 52 28 26		+	8.8	201	28	11	.75	T.N
		D.	27	73	.2	80	.9	61.	4 6	65.	8 6	5.	5 6	5.0	19	34 26 41 00		+	2.7	$9201 \\ 8270 \\ 4201$	28	11	.41	T.M T.M
		(h) D. R.	27	77	.0	84	.8	64.	2	69.	8 6	9.0	0 6	8.0	19	46 09 51 12		+	0.0	5 270 6 201	28	12	.18	T.N
		D. R.	28	14	.0	22	.6	01.	6	07.	8 (7.5	20	6.0	19	56 45 62 31		+	1.1	8 270 3 201	28	11	.05	T.N
		A Oct. SPR.	28	11	.0	17	.8	58.	2	02.	70)2.	10	2.8	19	67 45		+	5.9	6270 2203	28	11	.73	
	1	(i) R.	24	22	.6	27	.3	07.	2	12.	3 1	2.	01	2.1	120	35 45 41 03		-	0.5	9 268 8 203	24	14	.99	
	340	D.	24		.2	38	.8	18.	2	23.	72	24.	8 2	3,5	2 20		-			5 268		16	.90	1000
		Motion in Declination, 0".19		neux						17th	, 1 B	8s.	me	21st	, 27	at the 4th me of Tra							M-:	

⁽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	T MANUEL,
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	741 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	700 β Octantis. 741 Fomalhaut R. 741 Fomalhaut, Vesta R. 74 γ 1 Octantis R. 74 1 Octantis R. 75 1 0 γ 3 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	02.10 0.50	10 γ 3 Octantis. ⊙ ÿ R. ÿ R. ç R.
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	60.56 60.66 58.25 58.25	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. § R. § R. Ø R. Ø P. Ø P. Ø P. Ø P. Ø P. Ø P. Ø
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	58.5	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 39.55 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		58.04			1 32.74				-1 37 24.09 -1 37 27.13 -1 37 22.18 138 59 14.71 34	D. R. D

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	icrosc	opes.			Micrometer		Co	onch	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.		f Cir	ing rele.	Initials of Observer.
Day.		PLANEI.	,	"	,	0	0	17	0	r. h. m. z.	, ,	0	,	,	10
21 Sept.	365	a Persei	8	70.5	73.0	85.7	36.2	92.0	45.6	3 12 21		49	09	7.12	T.M
	433 482	& Persei						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	Antares						70.8			-10.00			56.82	
	2110	ε Sagittarii	1000		0.500		1	48.0	100000	- 01 200	10.00	325	32	42.38	T.M
	1001	BOctantisM.R.	40	61.0	45.8	82.0	22.1	84.3	32.8	19 23 40	1000000	201	39	56.79	T.M
		D.								19 29 00	+5.48	270	28	10.58	T.M
		R.								19 34 5				56.53	T.M
	1000	D.								19 39 05 19 43 30				10.63	T.M T.M
	200	D.								19 47 40	0.000.000	1		56.68	T.M
		R.								19 52 24		10000		55.83	T.M
		D.	28	13.	3 21.0	000.7	06.0	05.0	05.3	19 57 21	+1.34			9.97	T.M
	170	R.								19 62 20		The second		56.13	T.M
		(b) D.				_				19 67 10	00000000			10.98	T.M
	1 8	A Oct. SPR.								20 26 50 20 31 50		222		53.29	T.M T.M
	1	R.								20 36 20				11.50 53.55	
	1	(c) D.								20 42 16				11.43	
	2518	Piscis Austr	9	19.3	3 10.3	3 28.	6 04	5 16.2	57.0					12.65	1
	2577	Piscis Austr	14	21.	7 12.	2 29.	7 06.5	2 19.0	58.2			326	14	14.50	T.M
		C OctantisM.R.						4 64.0			+19.9			53.24	T.M
	0007	C Octantis						3 09.6				1000000		13.88	T.M
	2681	δ GruisM,R.						7 48.0			-30.9			12.53 52.71	T.M
	2001	GeorgeanM.R.						2 20.8			5 +39 5			18.67	T.M
		Georgean						0 67.0			100.0	The same		45.58	T.M
	2741	FomalhautM.R.						8 47.3			4 +8.5	1 142	36	54.26	T.M
	2741	Fomalhaut	31					0 22.			1	10000000		14.08	
	1	- Octantis R.								23 00 00				57.68	
		*6 mag	39							23 05 50 23 46 18		1000000		12.34 24.20	E DOORS
	807	CanopusM.R.									0 -1 04.3				T.N
		(d) Canopus						2 13.0			1			21.74	1000
	838	(d) Sirius M.R.	38	42.	1 47.	1 27.	0 52.	1 22.5	2 38.0	21.24	0 -43.7	6 128	37	53.98	T.N
	838	Sirius	29	69.	571.	488.	2 56.	191.	0 44.6	3				10.47	
	1281 1281	η ArgusM.R.						0.41.			2 -25.6			17.47 51.46	
b 23 Sept.		O N.L				10000		1 57.	S 8 9 9 1					28.79	
n 20 Sept.	2110		32	47	0 42	0.56	8 34	0.48.	8 94 (41.86	
	2110	(e) B Octantis R.	39	73.	8 60.	4 95.	8 37.	0.98.	4 47.0	19 19 55	-11.9			56.33	
Maria de la companya della companya		D.	27	65.	0 71.	151.	4 56.	5 56.	0 57.1	1 19 25 9	+7.9	0 270	28	7.13	T.M
		R.	39	64.	0 52.	287.	0 28.	6,90.	7 38.0	19 32 19	-3.7	9 60000		55.92	2000
Well and	1	D.										0 270			
		R.										2 270		55.75 9.61	
	1	R.									0.000 700			55.91	T.N
		D.									2000	5 270			14 22 24
10		R.	39	66.	0.50.	0 86.	8 88.	5 26.	9 38.6	5 19 61 21	-2.7			56.28	OF RESIDENCE
	1	l D.	28	10.	615.	1 58.	501.	401.	2 02.0	19 66 26	+5.2	1 270	28	9.73	T.M

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-	Apps	rent	Zenith		1000	rmome	eter.			D	Microm.	S	emi-	Geor	. S.	P. D. of		NAME OF STA
rent Zenith Point.			nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parallax.	opposite Limb.		meter.		Cent		No. ASC	or PLANET.
	0	,		Inch.	0	0	0	,	"	, "	r	,	"	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			15	58.20			24.06		0
2.83	7	51	46.61 54.26	.269	60.8	60.8			39.46 7.95					63	55	19.80 58.96		
2.00			53.73 20.71						0.53					63 55	55 32	58.43 35.51	1885	Antares. ε Sagittarii.
			53.70	.254	58.0	52.0			0.00							37.76	2110	B Octantis
			52.51					1	25.29							38.95		
3.58	-55	35	53.44 52.46					1	25.29					0	26	38.02	9	
3.68	-55 -55	35	53.59 52.42					1	25.29							37.87 39.04		
2.90	-55	35	52.74					1	25.29					0	26	38.72		
2000	-55	35	53.12 53.04					1	25.29					0	26	38.42		
	-57		52.11 50.20	.251	57.2	51.4	50.5							0	26 37	39.35 25.81	6	A Oct. SP.
2.40	-57	39	51.59 50.46						32.36					-1 -1		27.20 26.07	1	
2.49	-57	39	51.66	.248	57.0	51.0		1	32.36					-1	37	27.27		TO COLUMN
	0	10	9.56 11.41				1		0.17					57	9		2518 2577	Piscis Austra
3.56	-52 -52	49	50.15	.218	56.2	50.0	48.8	1	17.25					3	100	49.35		C Octantis C Octantis.
2.62	-10	23	9.44	.217	56.2	50.0			10.76					45	40	36.55	2681	ô Gruis
2.13	23	42	44.42						25.77	0.18				79	47			Georgean
	3		42.49 8.83	.216	56.2	49.3								1000	47 31	4.83 9.13	2741	Georgean. Fomalhaut
4.17	3		10.99 54.59			49.0			3.55					59		11.29		Fomalhaut.
5.01	-54	24	50.75		1	1		1	21.99					1	37	44.01		7 Octantis.
2.56	-18	39	21.11 40.29			47.0		10	31.84					37	23	49.70 56.38	807	
	17	39 26	41.35 9.11	.145	56.2	42.1		13				1				55.32 24.53		Control of the contro
2.23	17	26	7.38	30,131					18.67			1		73	30	22.80	838	Sirius.
4.47	-24	53	11.63	30.131	30.4	00.0			26.43	9-11								η Argus.
Park	10000000			30.117	1000	1			38.12	100000000000000000000000000000000000000	7	15	58.4			57.83		O Sacittarii
1.73	-55	35	20.80 53.67			60.2		1	0.53	1				0	26	38.84		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	R I I I I		1		0	26	38.45		
2.68	-55	35	53.05					1	24.42			-		0	26	39.28		
2.45	-55	35	53.25 53.67			1	1	1	24.50							39.00 38.58		
3.01	-55	35	53.62	30.225	559 (55 5	550 0	1	24.58			-		1000		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		oncluded	Initials of Observer.
and	No.		or or		A	B	11	D	E	F		Time by olyneux.	for Microm. or Time.		reading f Circle.	als
Day.	A.S.C.		PLANET.		1	-			-		1				· cheer	niti Obs
2.,.			The state of	1	,		,	7 8	"		Α.	7. m. s.	, ,	0	1 1	
23 Sept.			A Octantis SP. R.										+11.13	203	43 51.2	7 T.M
												24 00		COLUMN !	24 11.17	1 2000
			R.	43	62.	0 43	.5 82	.3 19.	7 83.8	34.1	20	28 30		100000	43 54.78	
		(a)	D.	49	18.	1 42	081	1 10	480 7	08.0	20	37 21			24 10.5 43 54.3	100000
	18											41 30		FE BB	24 11.39	
												45 43			43 54.79	
												50 30			24 10.83	
	2577		Piscis Austr	14	22.	4 13	9 29	.5 08.	0 20.0	59.6					14 15.19	
			C Octantis M.R.					.0 10.				19.920	+9.48	198	53 53.19	
			C Octantis					.7 08.							14 12.94	
			The second secon					.8 59.				19.514	+25.85			
								.0 45.				00 050	00 11		45 59.76	1000
		(b)	VestaM.R.					.0 53.				20.852	-28.11		57 12.37	100
			7 OctantisR.					.9 24.				58 8	-00 99		10 53.64 28 56.69	The same of
			7 Octantis					.8 05.					+0.88			
	1281		η ArgusM.R.					.6 36.				21.130			57 16.09	
	1281		η Argus					.6 54.					100000		10 52.68	The second second
24 Sept.			⊙ S.LM					.1 48.	3 23 3 3 3 3			21.502	-54.37	350	16 8.80	T.M
24 Sept.		(0)	⊙ N.L					.4 47.				21.002	-04.07	359		
			Q's center					.0 31.							27 47.18	
050-4		100		1			100			-		00 000	= 00	300		
25 Sept.	1000							.8 33.				20.329	-7.02	4 2 2 2 2	24 39.39 52 41.18	
			O S.L									34 20	-0.06			
	2518		Piscis Austr					.4 03.				04 20			09 12.04	200 0000
	2577		Piscis Austr					.7 05.							14 14.79	1000
		1 8	C Octantis									57 17		273	14 10.14	T.M
	2651	119	a Tucanæ	56	38.	638	.8 29	.0 35.	5 22.2	29.2					56 32.08	
	2676		c Lacertæ					.0 05.					3.0		15 31.25	
		1 8						.2 65.				20.403	-10.04		23 34.15	
			Georgean					.0 16.				00 400	10.04		44 30.29	
		(f)	VestaM.R.					.337.				20.403	-10.04		03 14.27	
	- 10 4		7 Octantis				100					58 40	+0.06	1000		
	2779	1	γ App. Sculp					.904.				00 40	10.00	-	35 11.90	
	2849	118	y 1 Octantis					.0 48.							05 53.45	100000000000000000000000000000000000000
	2861	11/	γ º Octantis					.0 43.							56 47.69	
	10		γ 3 Octantis M									24.871				
			o Octantis									12 50	+0.06		45 29.95	
	44		β¹Tucanæ	9	12.	8 12	.2 01	.9 07.	0 56.0	03.4		10 100		296		
	190		βº TucanæΜ	:::	::-	0 65	0 75	0 20	4 01 7	20 0		19.466			09 32.93	
	182	1	AchernarM.R.					.2 38.				21.237	-43.08		56 57.4	
	102	1	z Octantis SP:					.1 35.				1	THE WAY		29 37.2	
			PallasM.R.					.8 52.				21.431	-51.51		15 42.3	
		(g)	Pallas					.2 50.				21.401	31.01		52 21.9	
\$ 26 Sept.		1										02 614	-2 19.56	10000		3233
o 20 sept.		(h)	Q's centerM.R. Q's center					.8 51.				25.014	-2 19.00		33 47.9	
	2110		Sagittarii					.4 32.							32 41.5	
	2110		B OctantisR.	39	73	4 63	.8 34	.8 39	0 40 9	47 6	19	21 17	-10.68	A CONTRACTOR OF	39 58.6	
			D.										+6.47			
	1	1	R.										-3.78	201	39 58.1	
	1		D.	28	10.	0 17	1 55	7 09	4 00 1	00 (110	36 50	+1.82	270	28 6.45	2 T.M

(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-	Annaren	t Zenith	Barom.	The	rmome	ter.					Microm.	9	emi-	Gene	. e	P. D. of		NAME OF STREET	
rent Zenith Point,	Dist	ance.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parall	lax.	opposite Limb.	dia	meter.		Cent		No.	NAME OF ST	
"	0 /	"	Inch.	0	0	0	-	"	,	11	r	,	"	0	,	"		PLANET.	-
1.22	-57 39	48.61					1	31.63								23.49		A Octantis SI	P.
	-57 30	51 49												-l -l		26.37 27.00			
	-57 39 -57 39													-1		27.03			
2.82	-57 39	51.65												-1		26.53			
	-57 39 -57 39	01.09									200			-1 -1		26.22 26.94			
2.80	-01 09	01.10												-1	37	26.67			
	59 40	12.53						0.17						56		9.45 49.56	2577	e Piscis Austra	al
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 23 41		250	58.2	52 5			23.90	0	.18						18.48 17.57		Georgean	
		50.29	.252					15 50	,	co				71	11	1.17		Georgean. Vesta	
3.01		50.98	00 050					15.76	1	.63					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.	
4.39	-24 53	13.43						27.06						31	10	16.26		η Argus	
4.00	-24 53	9.98												0.000		19.71	1281	η Argus.	
	33 12	THE RESERVE TO SERVE	30.311	61.0	63.0	60.0		37.54		.66		15	58.70	1 30350		34.47 33.08		0	
	33 44 20 23	1.46	30.313	61.0	62.2			$\frac{38.30}{21.37}$.73					28			⊙	
		2000	30.224	3		61.5		37.36	4	.68			-0.00	89	9	7.16		0	
	32 48	38.52	The same of				. 1	36.61		.61		15	59.00	89	9	6.27		0	
1	-57 39 1 5	9.38	.140	61.0	52.8		1 :	29.91			619			-l 57	37	27.78 7.21	2518	A Octantis SI Piscis Austral	
-		12.13	.135	61.0	62.8	59.0		0.17						56	14	9.05		ι Piscis Austra	
	-52 49					58.2		15.13								49.10 56.93	0051	C Octantis. a Tucanæ.	
	-27 7 85 11	30.58	.135					29.24						20	00	30.93	2676		
2.22	23 40	28.51	.135					25.04	0	.18				110000		50.12		Georgean	
	23 40 15 0	27.63 48.39	.135	61 0	32. 4									79		49.24 58.83		Georgean. Vesta	
2.70		48.47						15.32	1	.63				71	4	58.91		Vesta.	
-	-54 24	7000000	.130	51.2	32.2	58.5	1	19.66			And the			56	37	41.29 6.51	9770	τ Octantis. γ App. Sculp.	
	0 31	9.24 9.21	.130		32.4		1	5.52						7	4	42.02	2849	1	
-	-49 7	14.97	.130	(32.4		1	5.87								35.91		γº Octantis	
	-49 10 -55 18		.130		52.4		1 1	5.99								25.53 1.73	10	γ 3 Octantis. ο Octantis.	
-	-29 54	57.48	.127					32.85						26	8	26.42		β 1 Tucanæ.	
	-29 54 -24 7	29.73	.098	61.04	32. 0			32.84								54.18 20.61	100000	β * Tucanæ. Achernar	
	-24 7	5.21						25.56			1			31	56	25.98		Achernar.	
	-58 34		.085					33.02		1000	3. 3.3.3					1.70 37.11		z Octantis SP. Pallas	. ,
	20 48		30.084	01.0	12.4			21.66	1	.65						36.07		Pallas.	
		200000	29.974	63.4	75.0			10.00		00				75	34	1.69		2	
1.55)	19 29	45.28						19.64	2	.20						59.47	0110	9	
	-0 31 -55 35		29.958	62.0	31.5	30.0		0.52			BULL		911 31			35.08	2110	ε Sagittarii, B Octantis	1
2.00	-55 35	56.34	201000				1 5	22.77		1			111	0	26	37.64			1
0 66	-55 35	55.49					1	22.89						0	26	38.37			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	_		M	icrosc	opes.		-	Micrometer or Time by		rection	(oncl	uded	ls of ver.
and Day.	A.S.C.	or PLANET.		A	В	C	D	E	F	Molyneux.		Time.	1		rcle.	Initials of Observer.
Day.		PLANEI.	,	"		"	0	17	"	r. h. m. s.	,	"	0	,		
26 Sept.		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	10000000		56.77 7.94	T.M.
										19 61 11					58.53	T.M.
		D.	28	09.1	14.3	54.8	00.5	00.4	01.0	19 66 05	1	+5.11	270	28	8.19	T.M.
	-									19 71 05			The same of		58.13	
										19 76 14 20 29 00		+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						10.94	T.M.
	2577						07.0					05 50			14.70	T.M.
II .		C OctantisM.R.					50.2 06.1				18	-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.
		(d) VestaM.R.				100000000000000000000000000000000000000	50.5			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.
	1	- Octantis 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
	0001		1200			100000					-	13.47)	100	33	17.87	1 769
	2861	(6)			100000		01.5	100000000000000000000000000000000000000	10000000		1	V . A A]				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) γ 3 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	γ 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	[0 15 43	1 19	+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	Achernar	56	62.1	1 59.7	52.6	57.6	46.0	50.9			+1.79	301	56	56.44	T.M
28 Sept.		O N.L	14	17 /	505 (40 1	05.1	18 8	58 0				358	14	32.01	T.M
t co peli.		§ N.L	41	15.8	16.6	33.6	03.0	37.2	51.9				10000	1000	16.27	T.M
	100		39	66.3	3 51.4	187.4	128.7	90.2	39.4	19 37 17			24 10 100		58.48	T.M
	100									19 43 30 19 48 38		+0.20			7.21 57.93	T.M
	1000		28	13.5	2 18.1	00.	5 04 .9	03.3	05.4	19 53 57					7.89	
	100	A Oct. SPR.	43	63.4	4 45.6	83.8	3 21.5	84.6	35.6	3 20 27 41					56.68	
		(g) D.	24	16.8	8 20.3	3 00.7	7 06.0	05.6	06.0	20 32 42	10	0.00			2	
	2472	a OctantisR. α Octantis	44	67.5	2 76.	1 105.8	350.9	108.4	57.0	20 43 11					17.00 46.26	
	2577	Piscis Austr	14	22.8	8 12.9	39.	5 07 1	19.0	59.0	20 40 40		+0.0	20000		16.33	
	-	(h) C Octantis M.R.									100				55.87	
		C Octantis					2 04.8							14		100000000000000000000000000000000000000
	1 3	Georgean M.R. Georgean									1	+15.49			44.01 21.53	100000
		Vesta. M.R.	10									-8.71	3 2000		29.90	1 1 1 1 1 1 1
	1	(i) Vesta	57				9 22.5			2					35.78	T.M
		7 Octantis M.R.	1000	51.	7 77.	0 42.	2 80.8	19.8	26.0	$\begin{cases} 21.391 \\ 23 & 1.00 \end{cases}$		-49.89	200	28	59.21	T.M
	1	7 Octantis	100				1000	18880	100000	(20 1 00			1000	39		10000
			00			-						THE RE				
(a) Assur	med tim	e of Transit by Molyneux, 1	9h. 4			siow,		Obs	erved	40°, before an			sit.			
and	on the			7 39		-	(5)	Obse	rved a	t the 3rd and	5th 1	Vires.		ah a	9m 20s	
(c) Obser	wed of	70°. past the Meridian. Hu	100				(8)			time of Trans ected by the			uh, 2	0. 3	2", 30",	

Sec. of appa-	Apparen	t Zenith		The	rmome	eter.					Microm.	S	emi-	Gene	SI	P. D. of		NAME OF ST
rent Zenith Point.	Dista		Barom.	Attach.	Out.	Wet Bulb.	Ref	fractio	n.	Parallax.	opposite Limb.		meter.		Cente		No. ASC	NAME OF STA
"	0 /	0	Inch.	0	0	0	,	"		' "	r	,	"	0	,	"		PLANEI.
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 -52 49 -10 23 -10 23 23 39 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 45.69 45.01	29.969 29.987 29.992 29.997	62.0 62.0 62.0	59.6 59.3 59.0	59.0 58.8	1 1 1	22.6 23.6 23.6 29.8 1.6 0.1 15.5 10.4	99 91 95 87 98 17 21	0.18				0 0 0 0 0 0 0 -1 -1 57 56 3 3 45 45 79 79	26 26 26 26 26 26 26 26 27 37 37 9 14 12 12 40 40 44 44	8.96 47.90 50.55 35.31 35.69 7.33 6.65	2681	c Piscis Austral C Octantis C Octantis. G Gruis Gruis. Georgean Georgean.
2.57	14 58 14 58 -54 24	8.80	29.997					15.3	31	1.62				71 71 1	2	19.43 19.24 39.21		Vesta Vesta. 7 Octantis
3.77	-54 24 -49 7	55.45			1000			19.8						6	55	41.42 35.39 37.29	20000	τ Octantis. γ ² Octantis
3.51	-49 10 -49 10	29.21 27.52	.006					6.9	28					6	52	21.26 22.95	10	γ 3 Octantis γ 3 Octantis
2.79		31.62	.004 30.004					22.6	54					0 31		2.24 2.49 21.92 24.81	182 182	o Octantis o Octantis. Achernar Achernar.
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	41 26 26 26	57.67 21.12 36.76 37.13 37.31		© \$\\\ \text{\$\text{\$\gamma\$}}\$ Octantis
2.77	0 10	54.02 53.81 14.34 16.40 13.67	.127	60.4	56.6 56.6			30 9 55.	95					-1 -1 12 12 56	37 37 21 21 14	37,81 28,22 28,01 47,31 45,25 10,59	2472	A Octantis SP α Octantis α Octantis. ι Piscis Austral
2.89 2.77 2.84	23 38 23 38 14 53	52.76 18.65 18.87		60.0 60.0	55.5		1 -	16 0 25.3 15.3	32	0.18				3 79 79 70	12 42 42 57	47.49 47.94 40.54 40.76 43.24 43.60		C Octantis C Octantis. Georgean Georgean, Vesta Vesta.
4.26	-54 24		30,104	59.0	53.6		1	20 !	94							39.26 42.46		τ Octantis τ 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				M	icros	opes.				crometer		rrection			aded	of .r.
and Day.	No. A.S.C.	07		Λ	1	В	c	D	E	F		Time by		Microm. Time.		f Cir	ing rele.	Initials of Observer.
Day.		PLANE.	,	"		"	"	11	"	11	h.	r. m. s.	,	"	0	1	"	10
28 Sept.		(x) o Octantis							31.9						270		37.82	
	100	Neb. in Pegasus							99.8			33 40		00 00	40 5		4.00	
	182 182	AchernarM.R.							98.1			21.651	-1	00.38			57.38	
	102	Pallas M.R.	2000						18.3			20.130		+0.97				
		(a) Pallas	57	29.	02	5.0	45.9	13.0	46.1	03.0					345	57	27.65	T.M
29 Sept.		⊙ S. LM							65.0			20.995		-33.92			4.37	
		O N. L							86.1			21.236		-43.64	357		0.18	Company of the Park
		(°) g's center	15	18.	21	8.0	36.4	05.0	39.1	53.1					344	15	19.42	
	1885	Antares M.R.							38.9			20.948		-32.02			9.47	
110	1915	(c) Antares ε Scorpii							72.1								57.47 27.84	
⊙ 1 Oct.		⊙ N.L M							75.0			19.386		+30.98	357 (04	18.77	
100	1500	⊙ S.L							102.8			10 011					17.41	
	1533 1533	Spica M.R. Spica	80000		100				23.3			19.641		+20.69	349		1.32	T.M T.M
		(d) 9's center . M.R.	44	26.	0 3	5.2	13.4	39.0	10.2	23.0		21.861	-1					T.M
1 199		y s center	24	48.	54	7.1	66.0	32.0	67.2	22.8		00 500		00 01		-	47.97	
	1885 1885	(c) Antares M.R.							31.2			20.732		-23.31			8.82 57.04	T.M
	1915	ε Scorpii							35.5						326	00	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
₫ 3 Oct.		⊙ N. LM							83.6		13	20.391		-9,56				
		(g) ⊙ S. L							88 5		19	57 20		-1.48			44.76 56.81	T.M T.M
		B OctantisD.										58 25		+1.82			4.08	WWW 100 W
	2472	a Octantis										44 04					45.94	T.M
	2503 2503	Equulei M.R. Equulei							16.3			23.290	-2	06.49	5	18	35.22	T.M
	2518	Piscis Austr							78.5						327 (09	11.05	T.M
	2577	Piscis Australis							22.7			10 005		10.01			14.55	
		COctantisM.R.							379.4 503.9			19.905		+10.04	273		9.21	
	2676	c Lacertee	15	27.	8 2	8.0	38.2	57.5	242.5	06.8					51	15	24.38	T.M
		GeorgeanM.R.										19.307		+34.16	122	29	4.96	T.M
	100.5	VestaM.R.							80.9			20.030					59.22 41.60	
	100	Vesta	50	22.	22	2.7	42.1	08.	942.8	57.6					340 .	50	23.10	T.M
		7 Octantis R.	28	68.	85	1.0	91.0	30.	91.8	40.6	22			-1.34			0.53	1
		(i) D. R.	28	67	45	0.8	89.0	29	591.3	39.1	22	59 41 64 20		+0.01			5.27 59.90	
		D.	39	06.	8 1	4.2	54.0	59.	0.56.8	0.0	22	68 13		+3.66	271	39	5.09	T.M
	2844 2844	å App. SculpR.	10	27.	53	4.0	39.0	24.	2 31.6	12.5		21.257		-44.49				Section 1981 IN
	10	δ App. Sculp γ 3 Octantis M.R.	13	73	26	2.2 5.6	99.	139	2 36.2	48 0		19.574		+23.39			23.76 34.06	
	10	γ 3 Octantis	53	39.	04	3.9	25.0	29.	8 25.1	31.4					276	53	32.06	T.M
		o Octantis M.R.	100	50	8 4	1 1	19 (005	100 0	120 0	A. C.	20.540		-15.57	201	22	37.00	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 Zenitl		The	rmom	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 / #	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		20.000			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		P.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			1000		25.13					79 41 23.13		Spica.
(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		9
2.93	7 51 53 84	.226	62.3	61.8	55.5	7.92					63 55 58-51		Antares
-	7 51 54·38 -0 3 33·70					0.06	00000				63 55 59·05 56 0 22·99		Antares. ε Scorpii.
	-55 35 55.41	-226	59.0	52.0		1 25.16					0 26 36.18	1010	B Octantis
-	-55 35 49·34 -55 35 53·88										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 29 41 41.74	30.185	62.0	70.4	37.0	32.82	4·29 4·22		16	1.20	86 2 7·31 86 2 7·59		0
0.45)	-55 35 53.79	.098	61.23	58.5		1 23.72	4,22				0 26 39.24		B Octantis
-	-55 35 58·94 -43 41 17·08	.085	61.0	50.6		54.81					0 26 34·09 12 21 44·86	9479	B Octantis. a Octantis.
	39 14 33.76	-080				46.84					95 19 17-35	2503	Equalei
2 24	39 14 32 20 1 5 8 03			200		1.09					95 19 15·79 57 9 5 87		Equulei. Piscis Australi
	0 10 11:53	uprio)				0.17		Design			56 14 8.45		Piscis Austra
3.59	-52 49 54·94 -52 49 53 81	.066	61.04	58.3	57.5	1 15.60				8	3 12 46·21 3 12 47·34		C Octantis
	85 11 21.36	The same	3	and the same								2676	c Lacertae.
2.09	23 34 58·06 23 34 56·20	.055	61.04	57-1		25.12	0.18				79 39 19.75		Georgean
2.35	14 46 21.42	-054	61.03	57.2		15.15	1.44				79 39 17·89 70 50 31·90		Georgean. Vesta
	14 46 20 08 -54 24 57·51	100	1			15.17	1.44				70 50 30 56 1 37 38·99		Vesta, TOctantis
2 90	54 94 57.75	.050	00.25	01.0	i	1 20.25				-	1 37 38-99		Octantis
2.50	-54 24 56·88 -54 24 57·93	.041	60.0		18.0	1 20 - 29	12 150				1 37 39 58 1 37 38 53		
3.38	4 54 20 03	30.037	60.0	6.0	0-0	4.95		1			60 58 21.73		δ App. Sculp.
3.06	4 54 20.74	30.028	60.6	56.05	55.2	1 6.60					60 58 22:44	10	δ App. Sculp.
	-49 10 30·96 -55 18 33·98	30.010	60.0	56.0			2112121	8-5 1			6 52 19·19 0 43 59·78	10	γ Octantis. o Octantis
3.24	-55 18 32 94	0.0	1	0		1 22.99	la la constant	and the			0 44 0.82		o 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	200	NAME OF STAR	131	7.	M	licrosc	opes.			Micrometer		Concluded	of of
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.
			,	"	,		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.
	4316	z Oct. SP M.R. z Octantis SP	38 29	33.8	17.4	55·0 26·1	34.4	56·1	07.8	19-124		204 38 28 58 267 29 35 26	Т.М. Г.М.
§ 4 Oct.	19	(a) Pallas M.R. ⊙ S. L M	22	34.1	46.5	56.7	25-3	68 - 3	13.6	20.300		127 41 48·34 355 22 34·31	T.M.
и 5 Oct.	. 3	⊙ N. L M	198		12000	1 200		1200	1		-25.13	355 54 30·01 355 31 20·69	10000
		⊙ S.L	59	16.4	22.0	36.0	2.2	43.0	53.9	(10.54.10		354 59 18 85	T.M.
		B Octantis	28	11.5	19.	58.0	4.8	3.0	3.6	19 59 45	+2.42	270 28 8.76	T.M.
	2472	A Oct. SPM.R. A Octantis SP a Octantis M.R.	24	16.0	21.	8 59 - 2	7.5	6.0	7.3			203 43 56 26 268 24 9 15 189 45 21 28	T.M.
	0.000		22	57:3	53.5	242.7	43.9	34.8	47.6			282 22 46·71 327 9 11·24	T.M.
	2577 2741 2741	Piscis Austr FomalhautM.R. Fomalhaut	37	45.(46.	5 32 · 2 3 56 · 6 0 30 · 0	36-8	49.8	3 26 - 2	21.319	-46.87	326 14 15·53 142 36 55·70 329 31 11·81	T.M
9 6 Oct.		(d) PallasM.R.	36	41.5	51.	8 31 - 7	52.0	30-0	35.9	21.512	-54.65	128 35 45 87 343 32 21 73	T.M
h 7 Oct.		⊙ S.LM ⊙ N.L	1900	34.	36.	1 55.4	15:	62.	6.9	20.779	-25.09	354 13 9·18 354 45 12·29	T.M
	1885	§ N.L	2	71 -:	5 68	9 93 2	52.	192.	8 42 - 4		-35.53	341 3 9·89 138 12 9·28	T.M
		Antares (e) ε Sagittarii	55 32	59 - 47 -	5 55.	8 77 . 7	43.	1 74 .	5 32 · 9 4 20 · 8		+1.63	333 55 57 · 69 325 32 43 · 60	T.M
	2156 2388	Vega a ² Capricorni								18 31 49·8 20 08 26·0		38 35 25·76 346 57 5·4	
⊙ 8 Oct.		⊙ N. LM ⊙ S. L	50	8.	0 11.	9 59 • 6	51.	5 35	0 42-1			354 22 15·00 353 50 9·93	T.M
	1885 1885 1915	AntaresM.R. Antares	55	60.	5 56.	1 64 · 0 4 79 · 9 9,50 · 0	2 43.	6 75	7 33 . (-46.91	138 12 8 · 59 333 55 58 · 59 326 0 28 · 99	T.M
D 9 Oct.	1.0.0	⊙ S.LM ⊙ N. L	27	41.	0 42.	5 62 1	8 23.	067	1 17-4	20.785	-25:33	353 27 16·30 353 59 20·10	T.M
		(f) 2's centerM.R.	49	34.	6 40.	6 26 .	4 38.	027-	0 23-1	21.420	-50.94	131 48 40·59 340 19 25·30	T.M
	1915 2110	εSagittarii	32	36.	3 29· 0 42·	0 49 -	1 16.	7 40 · 4 52 ·	2 8 - 9	2	9 10 1	326 0 29·83 325 32 42·34	T.M
	2497		30	15.	0 15.	5 19 9	0 2.	8 33.	2 51 -4	1	22330	339 30 15·46	T.M
	2543 2543		53	16.	0 13.	0 17 · : 0 20 · : 9 51 · :	8 11.	0 19.	5 59 . 8	5	-50.90	336 53 13·4 340 30 44·0	T.M
	2622 2622	AquariiM.R.	47	45.	5 63.	3 17 - 2 34 - 0	3 80	2 22.	4 50 - 9	20.440	-11-41	126 47 36·16 345 20 30·76	T.M T.M
	2655 2655	θ Aquarii M R.	44	27.	5 42.		2 57.	8 64	8 40 - 0	21.212	-42.55	351 24 19·5	T.M.

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-		ront	Zenith	Barom.	The	rmome	eter.					Microm.	0	emi-	Geor	S. P. D.	16	NAME OF CO.
rent Zenith Point.	D	istar	ace.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction	. Pa	rallax.	opposite Limb.	dia	meter.		enter.	No. ASC	NAME OF STA
	0	,	"	Inch.	0	0	0	-		-	,	r		"	0	1 11		
3.92			10 11 8.31	29-967	60.6	56-2			25.7	3					1 /5/5	56 20·9 56 22·7		
4.07	_98 4	24	55:00	29-960					31.0	4					27	38 28·5 38 30·6	2 219	a Hydri a Hydri.
1.92	-58 : -58 :	34	25.56	29-953	61.0	59.4		1	33 · 1	5					-2 -2		7.	z Oct. SP. z Octantis SP.
	18 :	22	14 68	29.946					18.9	9	1.50					26 28-9		Pallas
			31·29 26·99	29.886	64.4	75.4	70.0		31.6	201	4.18		16	1.40		38 56·2 38 49·7		0
			17·67 15·83	30.088	63.0	62.8	59.6		32·1 31·4		4·20 4·13		16	1.70		15 40·6 15 41·6	20.0	0 0
	-55	35	56.26	.155	61.8	56.4							-		0	26 36-2	7	B Octantis
0.71	-57	39 .	54·26 53·24	.165	61.2	55.8		1	24.2							26 38·2 37 27·6	50	B Octantis. A Octantis SP
			53·87 18·26	.172	61.3	55.8		1	31.2						A COST .	37 28·3 21 43·2	To be a series	A Octantis SP α Octantis
	-43	11	16:31	1.2	01 0	00 0			55.2						12	21 45.1	8 2472	α Octantis.
	0	10	12.51	10.100		Pill			0.1						57 56		7 2518 3 2577	The state of the s
3.76	3 9		7·32 8·79			49			3.5	0					59 59		7 2741 4 2741	Fomalhaut Fomalhaut.
3.80)			17·15 18·71	30 · 174	60.0	54.5			18.2	8	1.44					32 30·7 32 32·3		Pallas Pallas,
	28	9	6.16	30.232	62.0	62.2	57.6		30.6		4.03		16	2.30		29 31·8 29 30·9		0
10	14	59	6.80	.231					15.3			20-497		6.86	71	3 10.2	2	9
3-49			53.74	•230	62.2	61.8	20.2		7.9	2						55 58·4 55 59·3		Antares Antares.
			19.36	.263	61.5	58 - 3		3	0.5							32 36·8 38 20·9		ε Sagittarii, Vega
	20			30.298		00 0		0	22.0				8			57 21.2		
	28 1		11·98 6·93	30.425	62.0	63 · 4	58.0		30.9	7.8	4.05		16	2.60	84	6 33.0		00
3.55	7 .	51 .	54.52	30.384	62.0	62.0	56.8	1	7.9		2.38	E SAIS			63	55 59.2	3 1885	O Antares
			55·55 34·09						0.0			Bank B						Antares. ε Scorpii.
	27 5	23	12.78	30.323	61.8	65.3	60.0	-	29.6	0	3.93		16	2.80	83	43 38.0	9 10 10	0
0.05			23.06	-300	62.2	64.5	61.0	-	30.2		4.00		10	2 00	00	43 36·8 19 32·6		0
2.95)	14	15	21.79						0.0	3	1.73				70	19 31.3	4	ς ε Scorpii.
1	-0	31	21.24					-	0.5						55	32 34.9	\$ 2110	ε Sagittarii.
3.61			11.83	-301	61.0	57.2	55.0		13.8	6						30 22·4 30 22·4		
3.33			9-86	•305	61.0	57.3	55.0	-	11.0	9						53 18·2 53 17·7		
	14	26	40.44	.326	61.0	57 - 2	55.0		14.9	5 14	44.17		16	18.53	70	32 26.5		D .
3.46			27·42 27.18			57-1		1	20.3	0				4		20 44.4		
2.51			18·08 15·94	.325	61.0	57-0		-	27.5	0					1/2/2	24 42.3	3 2655	θ Aquarii θ Aquarii.

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	_		, A	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.	,	,	,	0	"		"	r. h. m. r.	1 11	0	,	,	10
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						29.3			-1 03.24			23.32	T.M T.M
	2741	Fomalhaut	30	71.7	70.5	80.1	68 - 1	75.0	56.5			329	31	10.91	T.M
		(a) Pallas M.R. Pallas						24.6			-11.82			37·98 27·10	T.M
10 Oct.	a starting	⊙ N.LM.	15.50	-			800 3	83.2	1 3 3	20.750	-23.82			32-47	T.M
	1915	⊙ S. L				100000	100000	39.5	100	Partial		353 326		26.63	T.M
	2577	Piscis Austr						24.9						29.48	T.M
	2622	Aquarii M.R.						41.5		20.510	-14.24	126	47	36.41	T.M
	2622 2655	θ Aquarii M.R.						53.6		20.561	-16:30			30-47	T.M T.M
	2655	θ Aquarii						45.5		20 301				19.59	T.M
	0500	D S.L	1000			15/5 /5		58.0				346	36	31.81	T.M
	2730 2730	λ Aquarii M.R. λ Aquarii						26·0 37·8		21.300	-46.10			54.64	T.M T.M
	2781	↓3 Aquarii M.R.						35.0		21.039	-35.57				T.M
	2781	↓3 Aquarii	1000	-		1000		79.2		01.101				55.05	T.M
	2844 2844	ð App. Sculp. M.R. ð App. Sculp			BE IN	10 to 000	7.5	31.8	E 1 7 7 1	21.161	-40.50			43.46	T.M T.M
	31	α Phœnicis M.R.						54.9		21.218	-42.80			4.46	T.M
	31	a Phœnicis						60·8 40·2				316		2.55	T.M
	1000	(b) a Cassiopeæ Pallas M.R.						24.9		21.179	-1·60 -41·22			14.60	T.M
		(c) Pallas						86.8				342	22	10.58	T.M
11 Oct.	9	⊙ S.L M			E-COL TO		COST OF	61.0		19-970	+7.54				T.M
OT .	1915	⊙ N. L				100000	DE L	73·2 34·8	DIE- 12	1192		326		51.76	T.M T.M
	2110	ε Sagittarii	10.00					46.4	200200000			325	32	42.49	T.M
	2503	Equulei M.R.		10000		0.00	77.	17.0	1900	20.324	-6.74				T.M
	2503 2518	Equulei						70.8						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.						16.8		19.805	+14.20				T.M
	2781	λ AquaM.R.	33					16.1		20.800	-25.93		38	10.78	T.M T.M
	2781	↓ 3 Aqua	29	54.0	56-2	70.5	43.4	75.2	33.7			349	29	55.20	T.M
		(d) D S.L						94.3		00.016	-26.58			10.56	T.M
	2870	r Piscium						25·4 64·7		20.816				43.69	T.M T.M
4 12 Oct.	1 8	Georgean M.R.								19.180	+39-41			-	T.M
	2741	Georgean						34.1		21.043	-35.74			45.96	T.M T.M
	2741							17.9		21 040				10.75	T.M
		τ Octantis	38	69.8	71.8	83.7	30.0	84.3	33.4	23 00 30		271	39	1.75	T.M
2 13 Oct.	2741 2741	Fomalhaut M.R. Fomalhaut						10.2		19.524	+25.53			56.82 10.95	T.M T.M
14 Oct		⊙ N. L M	6	41.8	48-1	45-6	47.6	51.3	38-2	20.850	-27.95	352	6	16-98	T.M
	19 19	⊙ S.L						15.8				351	34	9.95	T.M
	1000	(f) ♀ N.L	39	14.8	9.5	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		ent Zenit	h	The	rmom	eter.	D.	raction.	D	-11	Microm.	S	iemi-	Geo	c. S.	P.D. of		NAME OF ST	
Zenith Point.		stance.	Barom.	Attach.	Out.	Wet Bulb.	Keti	raction.	Par	allax.	opposite Limb.		meter		Cen		No. ASC	or PLANET.	
"	0		Inch.	0	0	0	,	"	,	"	r	,		0	,				
3.97	23 3	1 19.74	30.323	1000				25.22		0.18				79	35	40·76 41·53		Georgean Georgean.	
3.61	3 2	7 7.33		61.0				3.50						100000000000000000000000000000000000000	31		2741 2741	Fomalhaut Fomalhaut. Pallas	
2.54)	16 3	5 23.52						17-31		1.38				72	39	36-20		Pallas.	
	27	0 23.05						29·75 29·08		3·95 3·88		16	3.1	83	20	48·34 48·10		0	
100		3 34.10		62.0	64.8			0.06			1197			56	0	22.59	1915	ε Scorpii.	
		0 10.58		61.6				0.17								7.50			a
3.44	19 1	6 27·17 6 26·89		61.6	100	400		20.15						75	20	44.07	2622	Aquarii.	
2.40	25 2	0 18.38		61.6				27.29	100						24	40.05	2655 2655	θ Aquarii θ Aquarii.	
227		2 28.23		61.0				21.62	20 3	53.84		10	22.7			15.48	2700	D	
3.06	25 2 25 2			61.0	28.3		1	27.51								32.16		λ Aquarii	
		5 51.55		61.0	59.0											13.33		λ Aquarii.	
3.54	-	5 51.47	221	01 0	00 0			25.03		10.00						13.25	TOTAL PROPERTY.	ψ 3 Aquarii.	
	-	4 20.12	.207	61.0	58 - 0				100							21.83			
3.86		4 20.67	201		00 0			4.96		100				1000000		22.38			
3.51	-9 1	5 0.88	7.00	61.0	58.4			9.39						46	48	46.48	31	a Phœnicis	1
-	-9 1			01.0	ro. 0	EE. 4								46	48	46.33	31	a Phœnicis.	
	89 16 1	9 11.02	30.181	61.0		99.4				man all				70	00	17.64	60	α Cassiopeæ. Pallas	
4.39)	16 1		90.101	01 0	90.4			16.86		1.36				100000		19.25		Pallas.	
100	26 3	7 41.06	30.140	62.2	66.6	62.2		28-40		3.83		10	0.4	82	58	5.78		0	
1000		9 48.18						29.07		3.90		10	3.4	82	58			0	
1	-0	3 33.75						0.06						56				ε Scorpii.	
		1 21.09		63.0		and the		0.53								35.13			
2.34		4 36.07	.082	62.5	62.0	59.0	3	46.57						95		19.39			
~ 04		4 33.58							100							16.90			
		5 6.99			100			1.08		400				57	9		2518		
	0 1		.070	62.6	07.0			0.17	7-11					56					
1.78	25 2	9 10.81	.070	0 20	0, 0			26.88	1	1031	REAL PROPERTY.			81		30.83		λ Aqua. λ Aqua.	
	The state of the s	5 53.66	.064	64.0	69.0	62.5			1000	-1-21	1			79		14.79	The state of the s	√3 Aqua.	
2.56		5 51.62	004				-	24.38	1111	100	11400					12.75		↓3 Aqua.	
34	27 2		.054	63.2	67.0	61.6		29.34	27 3	33.51		16	23.4			23.02		D	
1.89	27	0 43.50	30.051					28-88	1					83	5	9.13		r Piscium	
1	~.	0 40.11	-	-	-					17	1-1-1			83			2870	r Piscium.	
2.89			30.040	63.0	60.0	57.8		24.86	1	0.18				10000	34	5.19		Georgean	
-		9 42.38	.005	00 0	FO 6					- 23					34		0.7.13	Georgean.	
4.05	3 2		.037	03.0	99.8			3.45	100	4	130				31	6.44		Fomalhaut	
	3 2 -54 2		.034	62.8	59.8	58.0	1	19.76		1					31	7·37 35·16	2/41	Fomalhaut.	
	3 2			100	13. 13		1	-0 .0	100							7.01	0741	Fomalhaut	
3.89	3 2		30.017	02.0	02.0			3.50						V 70.55	31		2741	Fomalhaut.	
	26	2 13.40	30 · 120	63.2	65.0	61.0		27.74		3.75		10	1.0	81	50	29.94		0	
19 1		0 6.37				100000		27.09		3.68	0.1	16	4.2			30.73		0	
14.11			30 · 104	62.0	68.0	63.0				3 10 10	20-626		0.0	8 60	20	8.10			
	12 0	9.99	00 104	00.0	00 2	00.0		12.60		1.01	20.636		3.0	00	03	0.10		\$	

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	icrosc	opes.	-			rometer lime by		rrection		onel	uded	le of
and Day,	A.S.C.	or PLANET.		Λ	В	c	D	E	F		lyneux.		Time.			ircle.	Initials of Observer.
Duj.			,	,	"	"	,		11	h.	r. m. s.	,	,	0	,	"	
6 14 Oct.	1885	AntaresM.R.							65.2		21.210		-42.4	138	12	9.45	T.N
	1885	Antares							46.0							58.85	
	2518	Piscis Austr							57.9					327		10.20	T.N
		C Octantis M.R.							16.0		20.939		-31.5	- CONTROL OF THE PARTY NAMED IN COLUMN TWO I		59.79	T.M
	College .	C Octantis GeorgeanM.R.							42.2		18.982		+47 - 1.			10.97	T.N
		Georgean							37.4		10 302		7-27 1			44.66	T.N
	2741	FomalhautM.R.							59.1		21 - 438		-51.6	0.00	-	56.76	T.N
10	2741	Fomalhaut							56.0					329		9.92	T.N
34 1		7 Octantis M.R.							4.2		20.582		-17-1			2.71	T.N
	1100	τ Octantis	39	10.8	13.8	27.0	32.0	27.2	34.0					271	39	03.73	T.M
16 Oct.	27	β Hydri	50	59 · (58.0	70-4	24.5	65.5	24.3	0	17 18			281	50	50.20	T.N
17 Oct.	1885	(a) Antares M.R.							52.1		20.898	1 3	-29.9				T.N
	1885	Antares	40000				130		42.0							57.44	100
	2518	Piscis AustrM							3.0			-	06.6			11.08	T.N
	137	(b) Argus SP Georgean M.R.							63.7		12 53 20·314		6.0			29·23 45·27	T.N
		Georgean							13.5		20.314		-0.3			21.32	T.M
	2741	Fomalhaut. M.R.							55.1		21 - 301		-46.1	2000		57.56	
	2741	Fomalhaut	31							10000	48 45	100				10.11	T.N
		τ Octantis	39	10.0	12.9	25.(29.6	326.2	32.9	23	1 0	1		271	39	2.35	T.N
	2844	à App. Sculp. M.R.							62.0		21.820	-	7.0	8 141		44.69	T.N
	2844	δ App. Sculp							10.2					-		22.51	T.M
	2861	γ ² Octantis							12.3							44.89	T.M
	10 27	γ 3 Octantis				2000	100000		58.0		19 0		.1.2			29·29 56·94	T.M
	52	¿ Cassiopeæ							37.0		19 0		71 0			17.93	T.N
	161	Phœnicis M.R							59-4		21.690	-	01.8	2 20 20		49-10	T.N
	161	y Phœnicis							59.0					315	51	17.96	T.N
	182	AchernarM.R.							56.5			-	1 33.4			18.37	T.N
	182	Achernar							30.6		31 48					51.37	T.M
	220	y Andromedæ M.	28	64.	113.5	2 106.0	56.0	134.0	42.6		20.038		+4.8	1000		25·61 30·41	T.A
		Companion Pallas M.R.	10	41.	55.	10.6	71.6	18.0	52.4		21.290					57.06	T.N
	1 100	(c) Pallas	26			100			57.0		21 200		-40 /	340			T.N
\$ 18 Oct	1000	⊙ S.L M	5	47.	51.	49.	52.	54-6	42.9		20.314		-6.3	3 350	5	42.82	T.I
	1	⊙ N. L							47.2							52.80	T.1
		(d) \$'s center . M.R.							53.2		22.042	-	1 16.0			27.68	
	1000	♀ s center							24.8					10000		37-97	1000000
	1915 2110	ε Scorpii ε Sagittarii							8 12·9 6 26·9					326		30.15	100000
	2110													1			
4 19 Oct.		(e) O S.LM	1000						2 33 · 1		21.218		777			54.61	T.I
		(f) Q N.L	16						0 22.0				+0.1			35.00	10000
	2110	¿Sagittarii							225.5			1				42.99	
	2388	a ² Capricorni	57						5 58 - 5			1		346			
	2489								0 52 - 3							44.08	T.I
	2505	4 Cygni	12	47.	8 94.	6 89	5 37 -	0 117.	8 24 - 5	5				4 2000	13		T.P
	2518	Piscis Austr							2 56 - 3					327			
	2577	Piscis Austr		18.	0 14.	9 25.	0 9.	5 18 -:	3 58 - 6	2	00. 174		10.			13.61	T.N
	-	C OctantisM.R.							358.0		20.416	2	-10.4	5 198			T.M
	2676	C Octantis	100						2 38 - 2			1					
	2676		15						0 36 - 2			1				20.98	

 ⁽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 Zenit	h -		rmome	ter.			Microm.	e.	emi-	Geor	ST	D. of		NAME OF CE	
rent Zenith Point.	Distance.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diar	neter.		Cente		No. ASC	OF PLANET.	1.1
	0 / //	Inch.	0	0	0	, ,,	r "	r	,	"	0	,	11		Thanks.	
4.15	1 5 6.69	1 .145	63.8			7·79 1·09							59.81		Antares Antares. Piscis Austr.]
5.38	-52 49 56·21 -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 45:47	1 .173	62.0	56.0		25.14	0.18		100		79 79	33	7.18		Georgean Georgean.	
3.34	3 27 6.89	173	62.0	55.8		3.49					59 59	31	7.06	2741 2741	Fomalhaut Fomalhaut,	
3.22	54 94 50·15	30-182	61.5	55.5		1 20.83					1	37	36·79 36·07		τ Octantis τ Octantis.	
	_44 13 13-38	30.187		1	1	56.04					1		47.33	100	β Hydri.	
2.77	1 21 22.00	3		M	1	7.00	12					55	60·07 58·44	1885	Antares.	
	1 5 7·50 -89 13 34·3 23 27 18·3	140	63·2 63·0 63·0	58.0		1.09					79		5·34 39·87	2518 137	and the same	
3.30	23 27 17.7	1	63.0	1		24.98	3 6				79		39.30	2741	Georgean.	
3.84	3 27 6·5 -54 25 1·2	3	63.0			1 20 - 33					59	31		2741		
3.60	4 54 18.8	9 .138	63.0				1				60	58	20.59	2844	∂ App. Sculp. ∂ App. Sculp.	
	-49 7 18·6 -49 10 34·2 -44 13 6·6	9 .130	63 · 63 · 64 · 62 · 5	57 - 5	55.9	1 6·44 1 6·60 56·08					6	55 52	31.62 15.86 54.06	2861 10	γ ² Octantis γ ³ Octantis.	
3.53	86 43 14 3	5 · 124 2 · 120	62.5	57.2	2	10-4						51 51	0.82		ζ Cassiopeæ, γ Phœnicis	
4.87	04 7 14.7	9 .110	62.0	56.0		25.86	3				31	56	16.10	182	Achernar	
/2.10\	75 25 22·0 75 25 26·8	3 .105	0 61 - 8			3 38·59 2 38·6					131 131	32 33	57.37	220	γ Andromedæ Companion. Pallas	
(3.18)	14 22 5.7			133								26	2.89		Pallas.	
(2.83)	24 33 48·9 11 24 36·1 11 24 34·1 -0 3 33·6	8 4 30·10 5 7				25·90 11·4	3 · 5 · 5 · 1 · 4 · 6	6	16	5.3	80 67 67 56	22 28 28 0	2·83 42·88 40·89 23·02	1915	O Q Q e Scorpii.	
	-0 31 20·7 23 39 50·7 24 12 1·8	9 30.14	964.	69.0	63.	0·5 24·7 25·3	3.4	201	16		80	0	35·49 14·43 14·85		ε Sagittarii.	
	11 8 31·1 -0 31 20·8 20 53 0·3 74 25 40·2 77 9 4·3	3 0 ·08 6 ·08 9 ·08	5 64 · 0 5 61 · 0 5 61 · 0	0 60 - 0	0	11·10 0·5 21·8 3 23·5 4 7·0	0 1·4 3 5 1	3 20 - 520		7.3	55 76 130 133	32 57 33 17	8.20	2110	φ ε Sagittarii. α ² Capricorni. γ Cygni. ζ Cygni.	
4.56	1 5 5.8 0 10 9.7 -52 49 57.0 -52 49 55.5 85 11 17.1	9 .08	5 60 -			0 1 16.0	7				56	12	6·71 43·68 45·15	2577		

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.		A	B		D	L	-	,					Spirit.
			,	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	122	37	36.72	T.M
		Georgean	30	27.8	35.0	30.8	32.1	34.6	22.1					30.08	T.M
	2741	FomalhautM.R.						25.7			-49.57				T.M
	2741	Fomalhaut						13.4				329		9.58	T.M
								54.1			-26.26			4.44	T.M
-11	10	7 Octantis						26.0			+29:36	271		2.25	T.M T.M
	10	γ 3 Octantis M.R. γ 3 Octantis						29.7			+29.30			30.27	T.M
	27							39.8			-1 03.45				T.M
	27	β Hydri						68.0			-1 00 40			50.58	T.M
	182							54.3			-34.65				T.M
193	182	Achernar						55.3				301	56	51.69	T.M
		Pallas M.R.	13	42.0	49.1	12.8	69.5	10.5	52.8	21.125	-39.04	132	13	0.16	T.M
1		(a) Pallas	55	6.1	4.0	13.0	4.9	12.0	54.4			339	55	6.65	T.M
h 21 Oct.	100	⊙ 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
11104		⊙ N. L	10000					63.0						58.25	T.M
.50	2110	€ Sagittarii						49.0						43.50	T.M
100								25.9							T.M
100	0741	Georgean					0.00	46.2						41.42	T.M
1/0 //19	2741	(b)						15.5			-40.46			10.08	T.M T.M
	2741	L'Omamade,						14·9 53·2			+4 34 60			4.10	T.M
								28.7				271		4.99	T.M
		(c) D S.L						105.0						21.13	T.M
		Q's center						78.2						46.48	T.M
0000-	0200		100								20.15	105	11	1.03	
⊙ 22 Oct.	2388	(d) a Capricorni M.R.	1000					29.1		20.962	-32 · 15	346		6.82	T.M.
- 010	2388	a c Capricorni						34·0 76·3			-21.38				T.M
	2472	(e) a Octantis M.R.						32.5						46.24	T.M.
	~ 1.2		BEE					47.7	1000000	20.260	-3.83				T.M.
		Georgean						47.1						19.96	T.M.
	2741	D. H. M. M. D.						67.8			+6.25	142	36	57.96	T.M.
1.7	2741							23.9				329		9.18	T.M.
H. Francisco								62.4			-33.03			2.40	T.M.
		7 Octantis						52.3		-		271		1.90	T.M.
								30.2		20.110	+2.22	132	57	27.99	T.M.
								30.5			-1 09.74			31.05	T.M.
		y's center	14	35.5	20.1	02.1	2.2	62.0	1.4	and the same					T.M.
D 23 Oct.		⊙S.L. M	18	45.0	28.3	69.4	10.0	64.5	8.9	20.636	-19.00	348	18	18.03	T.M.
		O N.L						58.4						30.55	
11 1100	1885							27.7			-6.21			9.06	
	1885	Antares	10000					18.0	2010/00/00	The Contract of	20.00			59.13	100
		(1)	BERG			100 CM 100		48.7	7500	170000000000000000000000000000000000000	-32.06			55.98	
	1915	φ's center	1000					15.8						30.90	1
100	2110	ε Sagittarii						56.6							T.M.
		Goorgeon M D	100				722	46.0	200000000000000000000000000000000000000		+18.51				T.M.
		(b) Georgean						86.2				349	28	58.95	T.M.
1	2741							59.8			+15.53				
VALUE OF THE PARTY	2741	(b) Fomalhaut	30	82.9	58.0	102.6	43.9	86.3	43.5			329	31	9.60	T.M.
THE REAL PROPERTY.	13790	7 Octantis	38	72.0	67.0	55.0	56.0	51.6	63.1			271		0.37	A
	1186	» Argus			51.0	57.6		42.8						52.04	
	400														
	1209 1209							19·0 76·0			+5 48.21	99	23	40.98	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 2	Zenith	Barom.	The	rmome	eter.			Microm.	e.	ami.	Geoc. S. P. D. of		NAME OF STREET	
rent Zenith Point.	I	Distanc	e.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	diar	meter.	Center.	No.	NAME OF STA	1K
"	0	1	σ	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	-54 -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	3.55		60.0			1 6.83					6 52 16·37 11 49 45·06	10 27	γ 3 Octantis.	1
4.90	-44	13 1	3.24		61.0			56.29					11 49 47·22 31 56 15·83	27	β Hydri.	1
5.26	-24	7 1	2.13	30.063		and a		25.92					31 56 18·70 69 55 13·51	182		1
(3.41)	13	51	2.83					14.27	1.17				69 55 12.68		Pallas.	-
	23	56 40 28 50 31 20	4.43	30 • 185	61.5	57.0	56.0	25.11	3·34 3·41		16	6.10	19 11 0.19		0	
2.85	23	25 35 25 35	9.54	.311	59.8	53.2		0·53 25·34	0.17				55 32 35·90 79 30 1·46 79 29 59·52	2110	Georgean	
4.07	3	27	5.77	.311	59.8	53.2		3.53					59 31 6.05	2741 2741	Georgean. Fomalhaut Fomalhaut.	1
4.55	-54	10000	0.28	.311	59.8	52.5		1 21.67					1 37 34·80 1 37 36·25	2741	τ Octantis τ Octantis.	
	57	45 1	7-31	·306 30·302	60.0	55.2	56.0	1 32.06 35.39	45 47·24 4·44		14	47 - 58	113 19 46·46 87 39 10·36		D 8	
3.93	20	53 5	2.79	30.230				22.14					76 57 21.68	2388	a 2 Capricorni	
	-43	53 : 41 1: 41 1:	3·00 9·84	•231	60.0	54.2		54.29					76 57 21·89 12 21 42·62	2472	a Octantis	1
3.64	23	25 1 25 1	6.51	.234	61.0	53.3		25.26	200				12 21 44·88 79 29 38·35 79 29 37·98	2472	Georgean	1
3.57	3	27	5·86 5·36	.234	61.0	53.3		3.52						2741	Georgean. Fomalhaut Fomalhaut.	
2.15	-54	24 5		.234	61.0	53.6		1 21 28					1 37 36.89		τ Octantis τ Octantis.	
	13	6 3	5.83	·228 30·201	60.5	53.8	58 - 2	13:57	7 1 1 2 1 1 1 1				69 10 45·04 87 14 56·22		Pallas]
(3.31)	31	10 2	8.13	1000				34.28		10000			87 14 55-19		ā	
	7	46 2	6.73	30.187		10000		23.97			16	6.60	78 34 37'54		0	,
4.10	7	51 5		63.63	62.3	The sale	N.C.S.	1.80					63 55 59·37 63 55 59·92 66 13 59·08		Antares.	1
(3.17)	10	9 5	2.16	154	62.3	04.9	00.0	10.20					66 13 57.77	1015	Q Q Scornii	
	-0		0.53	.107	61.5	58.4		0.53					55 30 35·69 79 29 17·15	2110	ε Scorpii. ε Sagittarii. Georgean	1
3.56	23	24 5	5·13 5·63	1	61.5	-		24.91					79 29 16-62	2741	Georgean.	1
3.90	3	27	5·78 3·45	10000	61.5	-		3.47	C. C					2741		
0.0-	-30	22 1	1.78		61.0	58.8		23.62	-1 19				25 41 21·35 102 45 36·01		ν Argus.	1
3.07	46	40 3	7.16	00 075	01.0	00.0	29.0	1 0.59	The same of				102 45 34.50			-

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

Month	100	NAME OF STAR	-		M	licrose	opes.			Micrometer		rrection			luded	Jo
and Day.	No.	OF		A	В	c	D	E	F	or Time by Molyneux.	1000000	Microm.			ling ircle.	Initials of
,		T DANGE.	,	"		11		17		7. h. m. s.			0	,		
24 Oct.		⊙ N. L M.		40.2								+1.01	348	29	32.30	T.1
		⊙ S.L		85.2			1000						12000		20.03	
	1885	Antares		71·8 52·4			1000000					00.01	1000000		59.11	T. T.
		(a) Q's center		65.0						22.451		-92.21	336		53.82	T.
	2388	α Capricorni M.R	. 11	42.0	33.6	33.2	28.2	26.0	19.0	20.897		-29.53	BACKER	11	0.39	T.
	2388	α Capricorni	. 56	74.1									346		5.89	T.
		C OctantisM.R		42.2						20.960	111	-32.06			2.37	T.
110		C Octantis GeorgeanM.R		20.0	35			ACCOUNT OF THE PARTY OF THE PAR		20.346		-7.30	273		6.54	T.
		Canmann		45.7						20 040		. 00	THE REAL PROPERTY.		38 - 59	T.
	2741 2741	(A) Fomalhaut M.R.	. 36	41.6						19.863		+12-18	142	36	58.96	T.
	2741		1000	82.1						00.050			329		9.50	T.
		- Octantis M.R		42.7						20.850		-27 · 63		39	7.00	T.I
	1137	τ Octantis M.R	0.355	12·1 37·0	200		10000	-		21-128		-38.84			0·74 55:68	T. 1
donne	1137	Argus		27.4									100000		13.50	T.
1 100	1186	v Argus	41	67.0						1000		+0.57	295	41	52.29	T.1
		(c) Regulus R		33.4						00 050		22.00	10000000		25.18	T.
	1427	(d) a Crucis M.R a Crucis		48·8 67·9					CO. YOU	20.950		-31.66			51.13	T.I
	1427	y's center M.R.	1000000	45.0						21.975	-1	13.00				T.1
200		(e) y 's center		44.0							79				42.28	T.1
25 Oct.		⊙ S.LM	10.	47.3			0.12	1000		20.393		-9.20	347	36	30.92	T.1
20 000.		(f) ① N.L		46.0						20.000			348		39.22	T.1
0.000	1114	λ Argus	14	10.9	42.2	18-2	30-2	56.8	33.7	10.550			317	13	51.60	T.1
	1137	Argus		27.6									1000		12.18	T.!
	1186	» Argus	00000	65.6						20.364		8.03	10000		50·66 25·83	T.1
	1209	Regulus M.R. Regulus		38.0						20 304		-0 00			40.54	T.1
100	1000000	. S's center M.R.		24.9						21.693	-1	01.63				T.I
100		(g) §'s center		56.8						1900			355	45	54.20	T.I
4 26 Oct.		⊙ N.LM		35.6						20-840	-	-27:22	347	48	5.18	T.I
		⊙ S. L		58.2											51.99	T.N
	1885	(b) Antares M.R.		38.9						20.910	-	-30.05		12	9.26	T.M
	1885	Antares		73.1						(39 1139)			333		0·13 50·31	T.M
		N'a conton M D	10000	46.5						22.751	-1	44.31				T.D
	- 63	(h) \$\forall s centerm.h.	11	79.4	69.8	106.2	45.8	105-0	45.0				355	12	16.14	T.N
07.0.	69	0 110	200	50.0	10 -	10.3	20.5	27.0	20.5	19.088		43-44	100	10	22.40	T.N
27 Oct.		(b) Georgean M.R. Georgean		50.0						19.003		40 44			41.56	T.N
	2741	Fomalhaut M.R.	F-200.00	45-0						19.957		+8.39			59-23	T.D
	2741	(b) Fomalhaut	30	81.9	57.2	104.0	42.0	88.0	42.2				329	200	9.27	T.I
	PARK	(i) + Octantis M.R.	100	40.7						20.781		-24.85			7.16	T.M
489	0770	7 Octantis	0.000	14.3			2001/01	3000		and a		+0.06	326		8.15	T.M
	2779	γ App. Sculp δ App. Sculp. M.R.		20·5 51·0	12000		The second second			21.862	-1	08.45		772	46.14	T. 1
La la poli	2844	(b) a App. Sculp. M.R.		35.8			10000								20.66	T.I
10000	10	7 Octantis M.R.	1000	53.1	200		2020	200	200	20.236		-2.86	195	14	42.55	T.M
	10	γ 3 Octantis	53	38 · 1					00000000	00		+0.24				T.M
-	27	(k) B HydriM.R.	1000	50.0	200	0000000			2001	20.750		-23 - 59			20·94 50·09	T.M
	27	β Hydri														

 ⁽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 Zeni	th	2.00	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 28-3	8 30 - 092	62.5	70.2	63 · 4		23.14	mn	3.27	Bird A	16	6.90	78	13	38-10		0	
	21 5	3 16 1	1			100	-	22.53		3.19		10	0.90	18		39.10		0	
			9 30 - 089					7-77	100					63		59·71 54·27	1885		1
(4.36)		6 49.9		00 2	12 0	00 0		9.82	0.43	1.32				66		55.15		9	
3.14	20 5	W = 3		64.0	62.5			21.77				17		76 76		22.05			
A . AC	-52 4	9 58.48	157	63.0	59.5		1	15:64				19			12	42.66		C Octantis	
		4 34.38		62.5	58.8			24.91	13	0.17		198				43·73 55·87		C Octantis. Georgean	3
4.07	23 2	4 34.67		60.0	50.5	-0		24.91		0.17		13		79 59	-	56.16	2741	Georgean. Fomalhaut	
4.23	3 2			62.3	20.0	90.9		3:47		2 10				2.5	31		2741	Fomalhaut.	
9.07	-54 2		166	62.2	58.0	56.5	1	20.40	1000	9-13				1	37	33.27	-	τ Octantis	1
	-54 2 -24 3	5 3·18 8 51·76		61.5	60.9							10		31	37	33.17	1137	τ Octantis.	
		8 50.42	2					26.34		K. A.		18		31	24	39-99	1137	ι Argus.	
-		2 11.63		61.8	61.6	59.0		33.56		1-20								v Argus.	
	00 1	0 38·74 5 13·07	200	63.4	67.0	63.0		0.66						1300		36·15 13·21		Regulus. a Crucis	
4.06	-28 1	5 12.79						30-47				100				13.49		a Crucis.	
2.68)	30 1	3 40.84	1 30 - 190	63.2	67.5			33.00		3.95					18	6.64		8	
			30.188	63.8	68.8	63 - 3		22.31		3 · 14			23.33	77		50.12	380	0	
	22	4 35.30			A. S.			22.92		3.22		16	7.20	77	52	44.55		0	
13		0 12.32	00.4	62.0	60.3			8.88						47	13	35.55	1114	λ Argus.	
		8 51·74 2 13·26	10000	62.0	62.0			26·26 33·43		100						38·75 10·06		ι Argus.	
		0 38.09	000	02 0	02 0		1									35.27			
3.19	1000	0 36-62		62.2			1	0.43								33.80	1209		
3.92)		1 50·28 1 50·28		63.5	67.8			32 - 18		3.80						15·41 15·41		ž Ž	
	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		68-2	70.0		185	21.76		3.10			. 40	11		10·88 59·16	1005	O Antares	
4.70	0.00	1 56.21		00.2	70.2			7.75		60,0	Negative .					60.71			
1314		2 46.39						9.43		1.28	20.522		7-20	65	36	44.09		Ŷ.	
4.79)		8 10.48	30-117	63.6	67-0	64.0		31.53		3.66	print					35·10 36·84		ž Ž	3
0.40	23 2	3 40.52	30.116	63.2	69.2	60.4		24 - 37		0.17	PHE			79	28	1.47		Georgean	1
2.48		3 37.64								0-17	Dinner.				27 31	58·59 4·91	2741	Georgean. Fomalhaut]
4.25	3 2	7 5.35						3.47							31	5.57		Fomalhaut.	
1 35	-54 2. -54 2.			63.0	58 • 3	56.8	1	20-21		1	3		1	1		33.30	10	τ Octantis τ Octantis.]
	0 3	1 4.23		-				0.52		1165			ME		35	1.50	202032	γ App. Sculp.	
3-40		4 17·78 4 16·74	.137	63.0	57.8	57.0		4.95			1915					19.48		¿ App. Sculp.	1
		0 38.63		62.5	57.4					1			1			11.47		δ App. Sculp. γ 3 Octantis	
	49 1	0 38.33		1	- 1									6	52	11.77	10	γ 3 Octantis.	
		3 17·02 3 13·83		62.0	56-7	56.0		56.14		19.19	19818		110			43.59	27 27	β Hydri β Hydri.	1
		4 31.51					9	19.51		200	NAME OF TAXABLE PARTY.		1			46.78		» 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	icroso	opes.				rometer	Correction			uded	of of
Month	No.	OF STAR		A	1	В	C	D	E	F		lyneux.	for Microm.		read of Ci	ling ircle.	Initials of Observer.
Day.	A.S.C.	PLANET.		-		-			-						-		Obs
			,	"		"	0			#	h.	r. m. z.	1 .11	0	1	,	
27 Oct.	182	AchernarM.R.	11	40	53	38.0	72.0	9.0	68.	11.3		20-640	-19.06	170	11	20.24	T.M.
	182	Achernar								43.2				1		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.								22.8		20.985		1000000		10.54	T.M.
	- 1	z Oct. SP M.R. z Octantis SP	100	-	100				-	5 40 - 3		20.135				35·08 34·10	T.M.
	365	a Persei			-						40.00	19 30		49		20.97	T.M
200	393	ð Persei	1							3 51 . (12 22 2			10		T.M
	433	ε Persei								1 49 - 8			13 116	1000	29	3.36	T.M
	482	X Eridani	100					2 10000		3 3.4						30.54	T.M
11 11/1		σ Oct. SP R.	-		- 000				7 1 2 2 2 2	2 7.5	1000	45 16				32.98	T.M
			100							4 47 - 9		50 50	100			37.90	T.M
		R.								2 15.9		56 10				32.72	T.M
		(a) R.								9 41 - 9		1 3 5 57				36.36	T.M T.M
		(a)								7 41 - 8		11 9	4.00			37.82	T.M
		R.								7 15-9		16 8	1 1000			33.25	T.M
										2 46 .		21 45	2.000			36.15	
	699	α Columbæ								8 10-6		33 16-5		328	5 50	35.29	T.M
	734	α Orionis M.R.	1000							0 61.		20.860	-28.0	3 104	1 46	27.16	100000
	734	a Orionis								2 11.			100			41.70	
		(b) \$'s centerM.R.								9 36		21.208	-42.0			59·12 8·52	
28 Oct.		Pallas M.R.	18	42	.5	45.	8 52 .	4 32 .	4 44.	8 19-	9	21.580	-57.0	7 13	4 17	42.15	T.M
	1	(c) Pallas								4 55.						26.15	
	282	θ Persei								8 38			1			47.35	100000
	329	y Persei								9 11.		00.000	10.0			16.62	
	353	Eridani M.R. Eridani								7 34· 6 59·		20.628	-18.6			43.58	1000000
	365	D!	10							7 23	28000	12 21 - 3	3	4		31.15	-
	424	(d) m 2 Eridani . M.R.	31							0 15.		21.375				50-24	
	424	(d) m 2 Eridani	100	3 87	.4	69 .	451.	5 51	0 40	7 47 -	4	21 011	1			17.83	
	433	ε Persei	28	3 70) · 8	66.	5 82	7 36	8 88	1 50 .	5		The same	3	9 29	5.48	T.M
D 30 Oct.		ν Argus SP								8 63.						53.01	
	182	AchernarM.R.								0 13.		20.649	-19.5			22.36	
	182	Achernar	ot	0.01	- 2	44.	5 53	0 39	2 40.	141.	9			30	1 50	46.88	T.M
ğ 1 Nov.		* Octantis SP	39	2. 95		21.	5 5	011.	1 8.	0 16-	2			26	7 39	14.29	T.M
*	100	Goorgeon M D	141	V 50	1.0	50.	OEI.	CEN.	0 46.	9 41.	5	19.07	+43.9	6 12	2 41	34.37	T.M
		(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	19.959	+8.3	1 14	2 36	59.45	T.M
	2741	(e) Fomalhaut								0 40.				E 023		8.15	- m
		(f) Pallas M.R.	1							9 5.		20.72	-22.4			4.32	
	054	(f) Pallas	2							7 33.		20.74	02.4			15.46	
	365	(g) & Hydri M.R. a Persei								0 11.		20.747	-23.4			32.00	
	424											21.72	0 -1 02.7				
	424	(h) m ^e Eridani . M.R. m ^e Eridani	36	6 88	3.6	67.	6 112	4 50	8 101	0 48	0					18.33	1
9 Nov. 3.	1	⊙ N. LM	10			1 min			100	4 0.	1	20-15	+0.4	0 34	5 10	32.02	T.M
		⊙ S. L												24	1 20	15.93	TM

 ⁽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.

Sec. of appa-	A	mont	Zonith	-		Th	ermom	eter.						Microm.	e.	emi-	Gen	e	P. D. of			
rent Zenith Point,	L	Distan	Zenith ace.	Baro	m.	Attach.	Out.	Wet Bulb.	Ref	fraction	n. Pa	aralla	χ.	opposite Limb.	dian	neter.		Cent		No. ASC	NAME OF ST or PLANET.	
	0	,	"	Incl	h.	0	0	0		"	13	, ,,		r	,	"	0	,	"		FLANEI.	•
4.22	-24		16.32	30 · 1	42	63-0	55.8	54.2		25.9	0			07110			100		14.53	182		
4.92	-24 -28	25	15.72	30 - 1	42	63 · 0	65.0		0	30.7							31 27	38	15·13 24·01	182 219	Achernar. a Hydri	
4 32		58	0·94 53·85							12.0		1.	01				68	38	25·06 1·65	219	Pallas	
4.59	_58 _58	34	30·69 30·29	.1	42	61 . 5	54.6	53.0	1	34.6	1						2 2	32	8·55 8·15		z Oct. SP. z Oct. SP.	
7	83	5	16.58					53.2		26.9	51								40.28	365	α Persei.	
	81		58.12				53.8			54.8	-						STATE OF THE PARTY		49.69	393		
			58·97 33·85	. 1.	42	01.0	54.0		3	12.3							129		8.11	433		
			28.59	.1	40	61.0	54.0		,										60.24	102	σ Oct. SP.	
5.44	-56	46 5	26.49						1	28.4	0								58.14			
4.54	-56	46	28.33				13.1		1	28.3	9								59.97			
	-56 56	46	28·03 28·93																59·67 60·57			
5.57	-56	46	26.57						1	28.3	9							-	58.21			
4.70	-56	46 5	28.86	1119					1	28.3	9								60.50			
4 10	-56	46	28·24 29·10	. 1	36	60.0	54.0	53.6		0.2							100000		59·88 27·42	600	a Columbae.	
1000			37.23	-1	35	60-0	54.9	54.9			8								24.84	699 734	a Orionis	
4.43			37.31					0.0		50.8	6						-		24.92	734		
3.82)	28 28		5·27 4·13	30 · 1	91	64.0	73-0	68.5		30.5	0	3.	52				84 84	37 37	29 00 27·86		ž Ž	
4.15)			22.24	30.2	16	63 - 2	58.6			12.0	9	0.	00						30.02		Pallas	
4 10)			21·76 42·96	.0	10	02.0	50.5		0	45.5			00						29·54 25·27	282	Pallas. θ Persei.	
1600			12.23				58.5		0	40.0	0						100	32	20 21	329		
4.77		1000	20.81				58.5			4.2	4			No. of London			60	22	21.90	353		
4.77			21.56				-		-	4.3				Et a			200	-	22.65	353		
	83		26·76 14·15	.1	86	62.2	58.4		7	23.4	9			100			-		47·00 20·60	365 424		
4.04			13.44						100	9.7	0			10-10-5					19.89	424		
	73		1.09	30.1	86	62.2	58.3		3	11.0	5						129		8.89	433		
94	-81	39	11.38	29.8	13	67 - (68-2		6	1.6	5								16.28		0	
4.62	-24 -24		17·97 17·51	29.8	34	61.0	62.9			25.2	9								13·49 13·95	182 182		
			50.10	30 0	0.5	64.5	59.0	-	1	33.6	9		1						26.97		* Octantis S	P
	93		30.02				59.6		1				10						51:37		Georgean	
3.92		22	29.08							24.7	1	0.	17				79	26	50.43		Georgean.	
3.80		27 27	4·94 3·76	.0	86	65.8	59.9		-	3.4	6		-				1000	31		2741 2741		
1.00			0.07	-1	18	65 - (56-3	3		11.0	0	0	00					4	7.12	2.2.	Pallas	
(4.28)	10	59	59.85							11.2		0.	92		1		67	4		0.71	Pallas.	
1			11.07		14	62	-	55.	-	41.0								36	48.04	254 365	δ Hydri a Persei.	
	0		27.61					55.5		23.6			1						19.58	424		
4.80			13.94						-	9.7	1								20.40			
1			27.63	30.2	44	64.	62.6	57.2	-	19.8			81		16	9.40		-	32.01		0	
			11.54	00 %			102	1		19.2			73		16	9.40	74	54	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	-		M	icrosco	opes.			Micrometer or Time by		rection	(Concl	uded	s of
and	No. A.S.C.	or	1	A	В	c	D	E	F	Molyneux.		Time.	1		rcle.	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		+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
	P. C. C.	& 's center	30	57.6	43.2	80.9	22.0	78-7	20.2				349	30	51.79	T.M
5 Nov.		⊙ N. L	22	20.0	00.7	62.1	0.7	50.0	59.0				344	22	30-39	T.M
o Nov.		o's conten M D							38.0			+16.05				T.M
	17.55								20.8			110 00			51-12	T.M
	2110	(c) & Sagittarii	32	60.0	34.8	76.0	19.3	59-8	19.0						44.72	T.M
	100	Georgean M.R.										+35-61				T.M
	0743		-			B COLOR TO			27.7	- 500 10000		34.40			57.51	T.M
	2741	Fomalhaut M.R.							19.2			+14.48	329		8.39	T.M T.M
	1209								55.4			-21-17				T.M
	1209								12.0						40.59	
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	& Hydri M.R.							15.0			-26-34	15000			T.M
		(e) à Hydri	36	68 . 2	52.0	55.6	47.8	42.0	53.3	DAME OF THE OWNER,		+0.75	290		53.70	T.M
	365	a Persei							35.0				49		42.54	-
	393	å Persei							6.4				1000000		18·40 28·36	T.M
	482 588	X Eridani							2.0		100		10000		17.58	T.M T.M
	611	Capella							30.0						39.55	
	011	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	48.9	45.8	50-7	37 - 3	43.8	38-0	20.303		-5.65	130	4	37.94	
	673	a Leporis							59.0				342		29.39	
	699	a Columbæ	100		1	10000	1	1000		5 32 59.5			1886		33.29	
7 Nov.	1000	* Octantis SP								22 15 00			266		18.81	T.M
		* Octantis SP	16							22 33 00 22 40 00	400		100000		58·98 13·26	100000
	0110	* Octantis SP								22 44 00	1000				44.12	
	1355	* Octantis SP							38.6				100000		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				10000		20.74	1000000
	Take .	* Oct. (6 m.) SP (g) Companion M	45	25.0	22.8	2 5.1	8.8	11.5	16.0	23 54 00	100	.91.10			36.00	0.000
	1 202	* Octantis SP	39	20.0	17.0	50.0	B	4-9	10.8	19.588	1	+21-12	10000		9.43	
	11.00	(h) * Octantis SP								0 13 00					31.43	
12 Nov.	Lucy	⊙ N. L M							1.9			-3.90			28-51	_
, 12 1.01.	1	0 S.L							7 38 - 3			0 00	342	0	09.65	T.N
	2110								7 13-0			+6.57			45.31	
	4110	♀ S. L	3	16.	0 55.	3 38 . (38.	1 27-	2 34 . 5	5			334			T.N
	479	* Octantis SP								1 22 33 15	1				59.75	
	1739	* Octantis SP								0 22 39 37 1 22 43 14	1				15.06	
	1	* Octantis SP							039-1		1		264	53	37.23	T.N
	2844								4 19-)	+2.54			48.26	
	2844	å App. Sculp	58	30.	9 7.	551.	4 48 -	9 39 -	8 50 . (0	1		330	58	17.91	T.D
	125 7 1	* Octantis SP	45	26.	2 23.	2 6.	0 9.	5 12.	0 17-0	6 23 54 15			264	45	15.73	T.N
	1 0	CompanionM								23 54 26		+19.97	7 264	45	35.70	T.N
	1 6	* Octantis SP							1 12.	5 0 5 30	1		267	32	10.71	T.N
	1	* Octantis SP	116	42.	841.	8 21 .	927	127	3 33-	1 0 13 04			265	16	32 - 17	T.N

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-	1000	rent	Zenith		The	rmome	eter.				Microm.	1	emi-	Gene		P. D. of		NAME OF COLUMN
rent Zenith Point.		istan		Barom.	Attach.	Out.	Wet Bulb.	Refi	raction.	Parallax	opposite	dia	meter.		Cent		No. ASC	OF PLANET.
"	0	,	0	Inch.	0	0	0	,	"	, ,	r	,	"	0	1	"		PLANEI.
3.30	23		0.06	30.304	64.4	72.0	64.0		24.65							21.46		The second secon
4.29)	23	26 4		30.295	64.2	73-2	64 · 1		24.39	2.5	9			79	31 31	19·27 6·15 5·95	1000	Spica.
			1000	30.285	64.8	74-6	66.0	013	18.75	2.7	2	16	9.90	74	17	28.88	10 10	0
4.47)		0.75	6.58	.228	64.5	71.6	67.0		8.12	1.1				1		50·28 50·43	8	9 J
			9.67	-211	64.2	61.4			0.53			111				36.55	2110	ε Sagittarii. Georgean
4.41	23	21 5	3·12 4·78	.211					24.77	0.1	7	17		79		14·47 4·99	2741	Georgean. Fomalhaut
4.00	3	27	4.00	30.147				100	3.46					59	31	4·21 33·90	2741	Fomalhaut.
4.06			6.20	30.147	03-4	04 2	61.2	1	0.29							33.24		Regulus.
			5.26	30.066					10.15	0.8	4				14 36	51·32 4·64	254	Pallas.
4.97	-35	27 1	0.69	.066					40.26					20	36	5.80	254	δ Hydri.
	83 81	6 1	8.15	·037					17·18 46·78					137	15	52·08 57·54	365 393	δ Persei.
			6·03 3·19	· 025 · 020				3	0·26 27·05					131	0	20·46 36·99	482 588	
			5·16 5·46	·017	64.8	63.0	The same	5	1·37 26·46			10			49 44	33·28 5·17	611	Capella. σ Octantis SP.
3.67	15	59 2	6.45	·012 ·009	64.7	63.0	00 0		16.28					72 72		39.48	673 673	
	-0	13 3	1.10	30.009	64.5				0.23					55	50	25.42	699	a Columbæ.
-	-60	19	5.48	.000					36·76 36·35					-4	16	25·66 45·08		* Octantis SP. * Octantis SP.
	-60 -60		0.34	.000					40.50						45	34·95 2·99		* Octantis SP. * Octantis SP.
100000	-61	10 2 54 1	50 (0000)	.000					42-11			10		-5 60		13.58	2844	* Octantis SP. δ App. Sculp.
5.40	4	54 1	6·28 9·65	.010		100		1	42.38			10				17·87 35·28	2844	
-	-61	18 2	8.46	.014		20.0		1	42 · 37			-		-5	16	14·08 29·72	6	Companion. * Octantis SP.
				30.015					39.90							16.18		* Octantis SP.
			4·05 5·19	30.061	66.5	72.3	65.0		16.53 15.96			16	11.50			23·40 27·05		0
	-0 7			29·994 29·994					0·52 7·79	1.1	9 19 • 700		9.34	10000		37·08 12·76	2110	ε Sagittarii.
	-60 -60		4.71	29.995	66.5	63.0			39.28							47·24 33·81	8	* Octantis SP.
	-60	31 2	1.09	29.990	66.5	62.2		1	40.03			1			29			* Octantis SP. * Octantis SP.
3.09	4	54 1	6.20	29.990				1	42.85					60	58	17·83 15·08		¿ App. Sculp. 1
			3.45	29 • 990	66.5	61 · 7		1	43.56					1		35.54	2044	* Octantis SP.
			28.76	10000		19:00		100	43.54			1		1		15.55		Companion.
			53·75 32·29	29.990	66.5	61.0	61.5		32.66		1					29·66 17·05		* 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

	Month		NAME OF STAR	_		N.	licroso	opes.			Micrometer	Correction		cluded	Initials of
	and	No	0.7		A	В	C	D	E	F	Molyneux.	for Microm. or Time.		ading Circle.	als
	Day.	A.S.C.	PLANET.	1	24	1		1	-	-		-			niti
				,	//	"	"	"	"	"	r. h. m. s.	1 11		1 11	
2	12 Nov.		D N.L	13	73.1	80.6	101-8	49.8	113-0	53.6			23 1	4 18 - 19	T.N
0	12 1101.	448	A 1 Tauri	2000		350.0	The same of			10000		and brown		6 47.71	
		502	v 1 Tauri	25		13.1						THE REAL PROPERTY.	22 2		
		699	a Columbæ	50	45.8	323.9	63 - 1	6.9	47.2	4.8			325 5	0 31 - 90	T.N
ğ	15 Nov.	1	(a) §'s centerM.R.	19	32.9	25.9	32.9	16.7	24.2	7.9	21.347	-47.76	129 1	8 35 09	T.N
4	16 Nov.	1	⊙ N. L M			29.8						+18-11		9 56 87	1000
			⊙ S.L	10000		128.8								7 37 - 15	2000
	. 199	2844	(b) & App. Sculp. MR.			76.5						-75.39		9 51 - 41	
	100	2099	e App. Scuip			8.1								8 20.69	
		31	a Phænicis M.R.			67.0					21.283	-45.18		9 13·38 8 54·83	
	1	83	a Phœnicis			41.2					1000			8 40.09	
		182	. Achernar MR			41.7					20.535	-15:00		27.06	
		182	(c) Achernar			40.5					20 000			6 45.29	T.N
		220	γ Andromedæ			35.3								35.16	
		1000	Companion M								20.057	+4.28	41 2	39.44	T.N
		The same	z Octantis SP	29	38.0	31.4	16.0	21.7	18.6	27.0	2 17 10			24.99	T.N
		282	θ Persei	25	54.6	47.0	57.9	22.5	61.0	37.8			100000000000000000000000000000000000000	5 46-67	T.N
	- 8	340	(f) Persei			51.8							48 5	1 51.89	T.N
		365	α PerseiM	9	32.2	23.2	34.5	58.0	36.3	14.2	3 13 01·5 19·863	+12 · 10	49	34.72	T.N
		368	Eridani			38.8	Contractor of the contractor o	10000000	100000000000000000000000000000000000000	Report Control	(10 000			8 45.78	T.N
		393	ô Persei			31.6					20.683			10.06	T.N
		424	m e Eridani M.R.	10000		27.0			DOM: NO	4 7 7	20.816	-26.34	136 3	54.55	T.N
	1	424	m 2 Eridani	1000000		4.0				126 0				7 14.81	
		433	ε Persei			9.4							39 29		T.N
		482	X Eridani	1000	-	15.8			7500		5 0 10	.1.00		39.38	10000
	130.00	1000	σ Octantis SPR.			36.5								7 28.50	T.N
	ALC: UN	2311.0	SP R.								5 10 21			39.95	T.N
	150 600		SP			38.0								7 28 - 22	T.N
	-		Ceres								5 28 42	-1 00		3 19.81	T.N
		684	ζ Tauri M									+2 47 - 19		_	T.M
		699	α Columbæ	50	45.3	22.0	63.9	5.8	46.2	4.2	77798			31.18	T.N
		734	a OrionisM.R.			44.1					20.410	-9.96	104 4	26.60	T.M
		734	a Orionis			38.0							7 2		T.M
	110000	807	CanopusM.R.								21.364	-48.41		3 54.01	T.M
	110 111	807	Canopus			9.8						20.00		1 15.36	T.M
		838 838	SiriusM.R.								20.905	-29.93	128 3	0.65	T.M
		881	Sirius			58.0							30 0	6.90	T.M
		900	deminorum										99 1	5 17.34	T M
	- 33	500	(d) D S.L									+3.37		0.27	
	110000		B Octantis SP								7 54 30	40 01	269 3	55.49	T.M
		1012	λ Cancri			14.9							24 30	35.71	T.N
2	17 Nov.		σ Octantis SP R.	50	48.0	25.0	63-1	5.8	62.9	23.5	4 59 54	+1.21	202 5	39.11	TA
			SP			41.0								7 33.35	
	The same		SP R.								5 11 18			40.55	
	AL HAS	140	SP	17	46.1	43.6	27.0	32.0	27.5	36.3	5 16 30			32.84	
	100	Variable Control	Ceres	0	51.0	58.2	81.5	27.6	91.9	31.0				56.77	
		684	ζ TauriM								19.988	+7.18			T.N
			(e) a Columbæ			20.2								30.01	
		984	(e) 6 Cancri	12	53.4	154.5	76.4	23.0	85.5	30.0	STREET, STREET	-0.58	28 19	2 52.92	T.N

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-		rent	Zenith	Barom.		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	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	
4.11	-9	15	16·23 8·92	-074	64.6	57.2		9.38				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	α Phœnicis. ν Andromedæ
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 34·98	.080	63.0	56.4	54.5	3 37·98 3 37·99				131 33 5·43 131 33 9·72	220	y Andromedæ.
-	-58	34	39.47	.085	63.0	56.5		1 34.08				-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	10000	α Persei.
	-9 81	45	18·68 5·60	-084	62.0	56.0	54.0	9·92 5 52·58				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	The second secon
	-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					1 22.03			MANIS	111 2 21·32 55 50 23·24	684	ζ Tauri. α Columbæ.
3.01	41	17	37.86	·163	61.0	55.9		1 50.80		-		97 23 25.41	734	a 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
	17	26	49·10 3·81	.163	61.0	54.0		18.24				37 23 48·05 73 30 18·80	807 838	Sirius
3.78	64		2.44	.163				2 0.44	3	1870		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		
-	-56	29	8.97	163				1 27.33	40 17-08		200000000000000000000000000000000000000	-0 26 39.55	1010	B Octantis SP.
				30.163				1 34 · 12		30 89		114 32 2.12	1012	
6.23	-56	46	31-11	30.067				1 28.88				-0 44 6·78 -0 44 3·24		σ Octantis SP. 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	59-0	49.0	17.6	1 23·12 1 23·13	3.93			111 2 8·25 111 2 19·37	684	Ceres.
1	-0	13	34.45				47.0	0.23		Party.		55 50 22.07	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.			Micromet			Cone	luded	r.
Month and Day,	No. A.S.C.	NAME OF STAR or PLANET.		A	В	c	D	E	F	or Time t				ding ircle.	Initials of Observer,
Day.		That is	,	"	"	"	"	"	"	h. m. s.	_ ' "	0	, ,		10
2 18 Nov.	31 31	α Phœnicis M.R. α Phœnicis				60.0					73 -16.45			13.30 54.71	T.M.
20 Nov.						80.0								44.90	T.M
	0770					50·6					+0.0			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	20.89	04 -99.30		35	13.44	T.M
	31	a Phœnicis				78.6					-25 00			54.44	T.M
						30.8						100000		23.78	T.M
	83	» Andromedæ				58-4						40		40.65	T.M
	161	γ Phœnicis M.R				76.1					68 -48.4	156	16	57.53	T.M
	161	γ Phœnicis				93.5								10.90	T.M
	182	AchernarM.R.				85.9					-23.2			28.05	T.M
	182	Achernar				51.7					20 00 0			43.71	T.M T.M
	219	(b) a HydriM.R. a Hydri				69.0					-20.2			14·07 56·62	T.M
		(c) a Persei				46.8					The state of the s	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 . (58.9	5.4	70-5	6.0	14.9	90 +3 28.7	7 18	27	2.78	T.M
	100000	Ceres				88.8					4	21			T.M
	699	a Columbæ				2 64 - 1								31.68	T.M
	734	a Orionis M.R.	46	23.	5 23 . (56.4	27.0	1.5	19.8	19.8	74 +11.7			26.93	T.M
	734	α Orionis	21	37.	541.8	8 70-9	12.8	78.4	10.1	00.0	00.1			41.51	T.M T.M
	807					61:3					-32.1			55·55 13·12	T.M
	807	CanopusM.R.	29	43.	5 27.	1 43.	27.9	35.6	18.0	20.9	64 -32.1				T.M
	838	Sirius	29	74.	8 57 -	8 100-8	37.0	95.5	33.7	7	-02 1		30		T.M
\$ 21 Nov.	365	α Persei				2 45.6						49		33.99	T.M
	The state of the s	(d) X Eridani				3 116-1					+0.1			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	00.0	00			44.53	T.M T.M
	582 807	ζ AurigæM CanopusM.R.				0 62 - 9								39.89	T.M
	807	Canopus	94	30.	1 0.	0 27-8	2.5	8 10-6	1.6	21.1	-09.1	307	24	13.49	T.M
	838	Sirius M.R.									80 -40.0				100000
	838	Sirius				0 42 . (343	30	8.01	T.M
	883	& Canis Maj. M.R.	16	35.	347.	1 55 -	2 28 . (53.	10-5	20.6	67 -20.2			17.23	T.M
	883	d Canis Majoris	51	65.	741-	0 87 .	5 24 - 9	75.0	23.8	8	A LOUIS		51	53.33	T.M
	915	(f) Tanis Maj. M.R.									20 -26.3			15.39	
	915	η Canis Majoris	0			190.					01 40 0	331		55.29	1 mm m m
	1070	(f) a Pix. Naut. M.R.	23			3 69 · 8 101 ·					61 -48.0		7 24		
ğ 22 Nov.		⊙S.LM	34	35.	2 20.	0 61 .	59.	1 55.	55.	6 21.1	21 -38.5	2 339	33	48.73	T.M
		⊙ N.L				1 47-						340) 6	14.25	T.M
	31	a Phœnicis M.R. a Phœnicis				378					62 -11.9			14.37	T.M T.M
24 02 37										1 100	10000				1
4 23 Nov.	-	z Octantis SP				8 12.					0			20.62	
	365	(g) a 2 Centauri SP				8 13.					The state of the s	49		49.27	T.M
	424					8 52					70 -40-5			55.75	
	343	mº Eridani	147.1	01	063.				40.		10 0				T.M

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.

Sec. of appa-	Appa	rent	Zenith	Per		rmome	eter.	D-C		D	-11-	Microm. for	S	emi-		Geoc.	S. 1	P. D. of		NAME OF STA
rent Zenith Point.		istar		Barom.	Attach.	Out.	Wet Bulb.	Retr	action.	Par	allax.	opposite Limb.	dia	mete	r.		Cent		No. ASC	or PLANET.
"	0	,	N	Inch.	0	0	0	,	,,	,	//	r	,	"		0	,	"		T DIKITOT.
4.01	-9 -9		8·69 9·90	30 · 176	64.2	56.0		F-80	9.43									38·63 37·42	31 31	
				30.289					14.69		2.14		16	13.	10			36.49		0
	-54		7.22	.225	64.0	58.0		1	20.54			01231	-					28.99		7 Octantis.
	0	2.2	1.10	-010	00. 5	57.0		1	0.52			0:805	N.					58.37		γ App. Sculp.
3.94	-9		8·83 10·17	210	63.5	31.0			9.43				00					38·49 37·15	31	a Phonicis a Phonicis.
			19.17	.218	63.5	57.9	54.0									-10	10	01 10	60	
	74		36.04		63.5				19.18				1			130	11	51.97	83	
			52.92		63.5													53.41	161	7 Phœnicis
4.22	-10	12	53.71						10.42									52.62	161	7 Phœnicis.
5.88	-24		23.44	.215	63.5	57:2			25.89							31		7.42	182	
9.00	-24		20.90	220	00 0	0		1-5	20 00							31		9.96		
5.35	-28		9.46	.213	63.0	57.0			31.30									15·99 17·46		
	-28 83		7·99 31·07	.003	63.0	57.0		7	25.07	0.0								52.89		The same of the sa
			39.43	200	00.0	0, 0		1	0.26									17.06		
			35.50						0.46									20.79		
			58-17	.160	63.0	57.2	54.6	1	14.77	2.0						108	28	9.69		
	55		58.94						22.49	8.5	3.98							14.20	The second	Ceres.
			32.93						0.23									23.59	1	
4.22	41	17	37.68	.151	62.5	57.2			50.65	9 - 3			1					25.08	1	a Orionis
-	41	17	36.90	.144	00.0	57 0		13		000			193			10000		24·30 46·31	734	The second secon
4.34	-18	39	50·94 51·49	144	63.0	37.0			19.50	911								45.76		
	17	26	3.36	30.137	62.5	57.2				900								18.22		
3.81	17		1.75		02 0				18.11	313			-			73	30	16.61	838	
1999	83	5	29.38	30-110	63.0	56.0		7	24.56	211								50.69		
			40.65						0.26									15.84	200	March 1 10 10 10 10 10 10 10 10 10 10 10 10 1
79 11			36.48					135	0.46	8 4			100					19.81	506	
			39.92		63.0			1	6.78	800								43·45 59·87		
			35·28 52·57		63.0			3	27.84	2								44.68		
5.34			51.12	.110	00.0	00.4			19.50	811								46.13		
- 10	177		2.42	.110	63.0	56.4		1	10.10	3.1						73	30	17.30	838	Sirius
5.10	17	26	3.40	100000		lane.			18.13	1			1					18.28		
5.28			47.38	.090	62.5	55.3	1		7.92				-			100000	-	52.05		d Canis Maj.
	1		48.72	.000	00 -	FF-0		1		100			1			63		53·39 50·98	883	δ Canis Major η Canis Maj.
5.34	4	56	49·22 50·68	-086	62.5	99.0	1	100	5.01							61	0	52.44	915	η Canis Major
200	1			30-104	62.5	56.0			1 0								24	2.13	1070	a Pix. Naut.
3.83			2.48						1.34							57	24	0.57	1070	a Pix. Naut,
				30 - 138	64.5	70-0	63.8	3	13-51		2.00		16	13	50		50			0
Sand.			9.64	20, 100	01.0	60.0			14.07		2.08		-		-	03	50	4·88 37·66	1	O α Phœnicis
4.36	1		10.27	30.188	04.0	02.0	1		9.33				1			100000000000000000000000000000000000000		37.15		
	-58	34	43.99	30-105	64.5	63.0		1	32.97	1		1133	-			-2	32	20.21		z Oct. SP.
	100000		31.97		64.0			1		1		1000				1	1000	The state of		α 2 Centauri S
	22.50		44.66		64.0			7	19.07	1		100				139				a Persei.
4.87	9			30.090	64.0	62.0)		9.60									15.21		[m 2 Eridani
	9	33	9.37	1		1	1		000	4						00	31	15.72	424	m 2 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	32.13	NAME OF STAP	1	M	icrosc	opes.			Micrometer		Concluded	Jo
and	No.	NAME OF STAR	A	В	C	D	E	F	or Time by Molyneux.	for Microm. or Time.	reading of Circle.	Initials of
Day.	A.S.C.	PLANET.	A			-	-				or circle.	Pit
			, "			"	11	"	ř.	, ,	0 / #	
23 Nov.	482	X Eridani	48 40	8 15.8	58 - 5	0.0	41.0	57 - 1			325 48 25 1	8 T.I
		(c)	35 94	0 70 3	110.4	54.0	95.7	52.3			325 36 19.3	Terror o
	582	Z Aurigæ		4 43 1							40 46 42.6	
	588	η Aurigæ		0 12.8							40 57 12.8	
	611	(a) Capella	44 48								45 44 39.6	
		σ Octantis SP		6 32 . 0							269 17 25-1	French 19
	699	Ceres		9 20 - 3							21 17 13·1 325 50 29·9	T 100 1
	732	β Columbæ	10 39								324 10 24 9	
24 Nov.	1				Alexander of the same of the s							
24 NOV.	482 506	X Eridani		0 15.0							325 48 23·5 325 36 26·5	PR 2
8 9	582	ζ AurigæM		8 43 - 1						14.06	40 46 45.6	
	588	η Aurigæ	57 20	4 16.2	29.3	47.8	35.6	2.0	20 040	14 30	40 57 14.9	
	611	Capella	44 54	0 44 . 0	60.6	19.5	61.7	36.0			45 44 45.4	
		σ Octantis SP	17 36	0 32.0	15.8	20.0	17.1	24.0			269 17 23.9	O T.1
	2	Ceres		7 58 . 0							21 19 56.0	
4	699	a Columbæ		2 19.5							325 50 29.0	
	734	a Orionis M.R.	46 44	2 43 - 1	16.8	46.8	22.1	40.8	20.397	-9.32	104 46 26.2	
	734	a Orionis		8 40 - 2						00 ==	7 21 41.0	
and or	807	Canopus M.R. Canopus		8 6.4						-32.55	164 43 58·0 307 24 12·1	
2	838	SiriusM.R.		2 43.2						25.66	128 38 2.2	-
	838	Sirius		6 56 4						-33 00	343 30 6.7	
1 0	883	¿ Canis Maj. M.R.	16 40	2 52 . 0	57.4	31.0	58.1	14.0	20.772	-24.44	138 16 16 9	
1	883		51 65								333 51 52 2	5 T.1
27 Nov.	83	ν Andromedæ		6 44.0							40 8 42 - 5	
	1223	Arg M.R.		2 47.0						-51.55	153 26 47 1	
A A	1223	Arg	41 39	1 13.6	49.4	0.5	39.3	1.2			318 41 23-9	9 T.M
28 Nov.	2741	Fomalhaut		0 54.0					3,000,000,000		329 31 5.3	- I
	31	a Phonicis. M.R.		4 53 1						-31.90	155 19 13.7	
1	31	a Phœnicis		9 45 1							316 48 53·0 48 52 31·1	
	341	β Persei		3 34 . 0							40 16 32 6	
-1		(b) a Persei		2 39 . 0							49 9 38 8	
	433	ε Persei		8 12.0							39 29 11.6	
II	482	X Eridani	48 38								325 48 22 1	T.N
, m	582	Z Aurigæ	46 48								40 46 43.9	
	588	η Aurigæ		4 14 4							40 57 14.2	
-	611	Capella	44 49								45 44 41.2	
	699		30 47								21 30 51 4	
	797	a Columbae β Canis Maj. M.R.		5 18.0						-44.13	325 50 27·9° 130 0 55·5	
	797	β Canis Majoris		8 62 . 8						-44-19	342 7 14 3	
29 Nov.	31	α Phœnicis M.R.	19 33	5 46.0	67.1	17.9	64.9	7.3	20.718	-21-90	155 19 16 6	T.N
	31	a Phœnis		6 44 . 8						21 30	316 48 53 4	
	60	α Cassiopeæ		364.6							55 14 2.5	
	83	ν Andromedæ		4 44 - 1							40 8 44 1	
	161	γ Phœnicis M.R.	17 42	151.0	75.3	22.0	73.0	13.1	21.286	-44.81		
	161	γ Phœnicis	50 86	0 63.1	91.8	49.0	74.0	50.0	Barrie !		315 51 9.10	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	mere d	Zonish		The	rmome	ter.	lane.			Microm. for	0.	mi-	Gene		P. D. of		
rent Zenith Point.	Appa	ista	nce.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parallax.	opposite Limb.		neter.		Cent		No.	NAME OF ST. or PLANET.
"	0	,	"	Inch.	0	0	0	,	"	1 11	r	,	"	0	,	"		PLANEI.
	-0	15	39 43	30.077	64.0	60.5			0.26			100		55	48	17.06	482	X Eridani.
1000			45.30	.077	64.0	60.5		13	0.46					55	36	10.99	506	
			38.08	.072	64.0	60.8			25.80			100		130		0.63	582	ζ Aurigæ.
100			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			11/1				23.31	200	Ceres.
			34.63						0.23							21.89	-	a Columbæ.
344	-1	53	39.71					100	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		0.55	30700	The second secon
			10.37	00.000	05.0	62.6	00.0		25.20					131		32.32	10000	
100				29.882 29.880					59.67					2000000	49	37·28 9·96		
				29.870										111		5.34		σ Octantis SP Ceres.
1			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	1						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			200						44.41	807	
			52.43				-		18.94					37	-	45.38	807	Canopus.
man !	17		2.37		66.0	65.8	2									16.77	838	Sirius
4.51	17	26	2.17						17.65					73	30	16.57	838	Sirius.
4.61	7	47	47.65	29.852	66.0	67.5	62.5					-		63	51	52.07	883	
4 01	7	47	47.64					100						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				130	11	52.31	83	» Andromedæ.
5.59				30.189	66.0	59.0			7.46	10000		11		48	41		1223	Argus
9.99	-7	22	40.95					1	7-40					48	41	8.34	1223	Argus.
123	3	27	0.45	30.228	67.8	64.4			3.44					59	31	0.64	2741	Fomalhaut.
3.40	-9	15	8.77						9.35	10101				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	(0.11) S. (1)		133				29.30		Persei.
			27.73		0.4		1		20.14			-				44.62	The state of the s	β Persei.
	83		33.88	218	65.2	60.6			21.94							52.57	365	
			6.74	-211	65.5	01.5		3	9.98		1	-				13.47	433	
			42·76 38·96	.180	65.5	60.0		9	0·26 25·40							13.73	482	
			9.35	-189	65.5	62.0	-	1000	28.49		BA TELE			130		1·11 34·59		ζ Aurigæ. η Aurigæ.
			36.27	-185	65.2	61.8	1		3.79							36.81		Capella.
1011			46.52	-180	65.0	61.5			22.98					111		2.17	011	Ceres.
100			36.97	1	1		1	-	0.23		1000					19.55	699	a Columbae.
4.00	16	3	9.36	30.168	65.0	62.0				3-1-7-1		150		72		22.57	797	
4.98	16	3	9.44		000173				16.46	The state of				72		22.65		β Canis Major
5.07	-9	15	11.72	30-110	68.0	64.0			0-00							35.77	31	a Phœnicis
3-07			11.46		2037115	diam's			9.26	1	DE SALES			46	48	36.03	31	
			57.63	100000	67.4			1		1 1 3	34 300							a Cassiopeæ.
	74	4	39.24	.111	67.0	63.5	61.0	3	16.73		7335	1600		100000		52.72		» Andromedæ.
4.93	-10	12	55.76	30.113	67.2	63.8			10.25	SHE HIS		100		10000		50.74	3 7 7	γ Phœnicis
	-10	12	55.78				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	icrosc	opes.			Micrometer	Correction			uded	of or.
and	No A.S.C.	or		A	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		read of Ci	rcle.	Initials of Observer.
Day.		PLANET.	,	11	"	"	"	"	"	r. h. m. s.	, ,,	•	,	11	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			10000	E			39.4		-00 10			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	δ Canis Maj. M.R.								20.563	-15.65				T.M
	883	δ Canis Majoris	1000						20.1	20 -01	00 =0			50.23	T.M
	961 961	ξ Argus M.R. ξ Argus							20.9		-23.76			45.98	T.M 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					11.52	T.M
									48.0					56.19	T.M
	389	¿ PerseiM							57·1 17·8	20.510	-13.51			27.72	T.M T.M
	433	y Hydri							53.0		-10.01			50.68	T.M
	482	X Eridani	48	36.4	12.0	52 - 2	55.6	38.0	53.1					20.87	T.M
	506		36	38.4	14.9	56.4	58.0	40.5	56.8		1030000	10000000		24.17	T.M
	Jan Br	(c) Ceres	46	67.8	72.0	96.0	41.0	106-9	44.1		The state of	20000		11.08	T.M
	699	a Columbæ		41.0	18.5	58 . 8	59.5	43.5	58.3					26.55	T.M
	807	Canopus M.R.	44	43.8	37.9	74.0	08.9	65.1	10.9	21.078	-36 · 42	307		2·84 8·53	T.M
	807 838	Canopus M.R.							55·5 32·5		-44.25			3.73	T.M T.M
	838	Sirius							32.8		-44 20	343		4.82	T.M
	883	d Canis Maj. M.R.							26.9		-36.10				T.M
	883	∂ Canis Majoris	51	63.4	40.0	85.3	321.0	74.9	19.7		-	333	51	50.95	
	961 961	ξ Argus M.R. ξ Argus,	34	32.0	34.0	44.9	2 16 - 5	40.5	03.1	18.841	+53.81			21.22	T.M T.M
7 Dec.	501		100					1		A STATE OF THE PARTY OF THE PAR	-1 09.50	10000			T.M
/ Dec.		⊙ S.LM ⊙ N. L	37						00.6		-1 09.90			49.89	
	31	a Phonicis M.R.							04.7		-15:53				
	31	α Phœnicis							35.0			316	48	52.05	
	103	ε Piscium	0	15.0	16.3	348.	0 47 . 9	2 55 . 3	45.0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			17.77	100000
	300	D S.L	19	43.8	43.8	78.0	0 15.5	83.	14.2			9		46.00	100.000
	189	o Piscium							07.6			18		39·07 47·86	1000
	199	γ Arietis Companion M	28	42.0	49.6	10.	2 17.	01.	17.5	19.973	+8-1/			56.01	
		Ceres	54	65.5	371-0	96.	5 38 -	104	40.7		1	21		08.92	
	623	Tauri								21.605				11-24	The second second
	673	a Leporis M.R.							3 25-4		+4.64			43.28	
	673								254.0					24.61	
	699 807		50						59.2		-40.54			25.82	
	807	Canopus							57-1		-40 0	307			
	838	Olaine M D							17-3		-25.69			5.42	T.M
	838								33.7			343	30	4.84	T.M
8 Dec.	31		19	39.	48.	272.	7 22 .	1 66 -	8 13 - 3	20.811	-25.65			17:33	
	31								32.6			10000		52.35	10000000
	189			59.	161	3 86.	200	7 99	7 28 - 3	3	The later of			58.99	
	199				101		1000	00	200	20.389	-8-3/			50.64	
	100	D S.L						5 86	9 14-1					47.53	
	302	π Arietis	45	71.	080	7 104.	4 48 .	4 117.	0 46.4	1				17.85	
	319	ε Arietis	40						9 44 - (20	40	13.31	T.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-	1800	ent Zenitl		The	rmome					W. D. D.	Micr		Q	emi-	100	Geor	SI	P. D. of	1	NAME OF ST	T.A.
rent Zenith Point.		stance.	Barom.	Attach.	Out.	Wet Bulb	Ref	fraction	n. I	Parallax.	oppo Lin	site	dia	mete			ent		No.	or	
"	0		Inch.	o A	0	0	-,	.01	-	, ,	7		,			0	,	//		PLANET.	-
200	9 3	3 6.87	29.996	71.2	68.6											65	37	13.07	424	m² Eridani	100000
4.60	9 3						3	9.4	7		-					65	37	12·38 15·36	424		
4.86	7 4	7 45.46	29.965	70.6	63.8		0	7.7			1		1			63 .	51	49.96	883	d Canis Maj.	
4 00	1 4	7 45.29	29.967	70.0	61.8		00											49 79 49 57	883 961	δ Canis Major ξ Argus	ris
3.80		8 41.04		10.2	01 0			9.5	0				1					47.29		ξ Argus.	
			30.049					11.7		1.7	7		16	15.	40			43.01		0	
	9 4	0 6.58	29·962 29·961	71.4	79.5	67.0	7	9.3										12.70	336 365	a Persei.	
	15 5	5 22.78	29 958	71.8	75.0	07-0		15.8	0				13					35.33	389	a r cioci.	
	73 2	5 13.53	29.945	72.0	74.0	1000					1					129	32	14.05	433		
	-40 4	7 14.26	29.945	72.0	74.0	66.6		47.8			1							54.67	439		
		5 44.07	29.944	70.0	74.0	66.0		0.2										12.42	482 506	X Eridani.	
			29.914					20.9		4-1	1							19.67	500	Ceres.	
	0.1	2 20.20	00.000	20.0	71.5			0.2	2		1		13,					18-14			
5.69	-18 3	9 57·90 9 56·41	29.908	71.5	73.9			18.7	2									40.13			
	17 9		29.898	71.5	75.5	66.5												15.30			
4.28	17 2	5 59.88						17.3	4									13.97	838	Sirius.	
5.36	7 4	7 45.18	29.885	71.2	77.0	66.6		7.5	4				130			7.5	-	49.47	883		
	0.0	7 46·01 8 43·72	29.885	71.9	74.0	64.0		10000										50·30 49·71	883 961)TE
5.60	9 2	8 45.03	000		140	0.0		9-2	4									51.02	961		
	11	1 19·23 3 44·95	30.209	70.0	68.5	59.8		11.0		1.6			16	15.	80			41·14 35·75		0	
	-0.1	5 13.18		68.8	61.0			11.5		1.7	2						-	34.24			
5.09		5 12.89		00 0	01 0			9.3	33								48	34.53	31	a Phænicis.	
		6 12.83		68.0				49.6						258		97		59-27			
		5 41·06 5 34·13		66.5				53.9		9 45.2	7		15	52	. 36			38.86		Piscium.	
		4 42.92		66.0			1	14.4	0.75									54.08	I I I I I I I I I I I I I I I I I I I		
	52 2	4 51.07					1	14.4	12							108				Companion.	
		3.98		67.2	60.0		1			4.1	6		1					20.84		Ceres. Tauri.	
	55 5	60 6·30		67.0	60.0		1	24.9			1					72	-	27·27 34·82		a Leporis	
3.95	15 5	9 19.67		0, 0	000	1	-	16.4					1			72	3	32.83	673	a Leporis.	
	-0 1	3 39-12	1	1	1	-	1	0.5	23		1		-					17.40	699	a Columbæ.	
5.59	-18 3	89 57·24 89 55·94	.083	66.5	60.0	1	-	19:3	34		1		1					40.17		Canopus Canopus.	
5.10	17 2	5 59.52	30.080	66.5	60.0		1	10	10		1							14.25	838	Sirius	
2-13	-17 2	5 59.90			1		1	17-9	18									14.63	838	Sirius.	
4.84			30.017	68 · 3	62.0		-	9.9	27							1		34.90	-	404	
		5 12.40		67.2	61.6		-	51.6										35·08 28·40		Wh. 1	
		24 54.24		66.0			1	13.8								108			199	γ Arietis.	
		24 45.89		1	1			13.8	33	21924	1			1900				56.47		γ Arietis.	
		26 42·78 42 13·10		66.0	128 3		1		212 11	3 47.2	6		15	45.	60			44·34 19·33	300	D π Arietis.	
			30.000	66.0			1	9.4	100.00		100		1					25.27		ε 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		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. ime.			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							199	+4.80	1 200	375	39.00	T.
	341	β Persei	16 37·6 50 11·0									1255		32.67	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	-	52.92	1000		17.72	T.I
	585	(b) (Tauri	19 55·7 11 58·0									177.00	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									100000	-	29.71	T.I
	807 807	Canopus M.R. Canopus	44 43·5 24 25·0							-;	37.63	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	200		8·27 2·33	T.I
	1885	Antares	55 74.8	49.1	98.2	32.8	84.9	32.0				333	90	2.33	T.1
12 Dec.		§ 's center	29 35.5						HAND IN			200000		21.46	T.I
	F00	(c) Q N.L	20 29.0											18.20	T.I
	582	ζ Aurigæ	46 53·2 57 22·4						21.101	_	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											38.01	T.1
. 16 16	699 734	a Columbæ a OrionisM.R.	50 41·1 46 34·5						20.102		12.50			24·90 25·77	T.1 T.1
	734	a Orionis	21 34.6						20 102		12 00			41.91	T.1
		D N.L	16 44.2						32.00					45.45	T.I
	807 807	Canopus M.R. Canopus	44 28·6 24 24·0						20.690		21.22			03.99	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						21.230	-4	13.00	138		7.18	T.1
	1000	Antares	55 74.2	48.8	98.1	31.9	84.2	30.3				300	00	1.12	1.1
\$ 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	4				52·08 17·47	
	2741	Fomalhaut	30 18.0	52.0	93.8	40.8	78.6	41.5						4.01	
7.17															
4 14 Dec.	340 1885	Persei M Antares M.R.	52 41·8 12 51·6						20·275 21·138		$-4 \cdot 48$ $29 \cdot 28$			28·64 8·26	T.M
	1885	Andread Francisco	55 75.0						21 100	-		333		0.75	
- 150									10 000	1	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	+]					T.1
	1 - 11	a'- MD	47 43.2	41.0	40.8	33.5	35.8	23.9	18.742	+/					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	-:					T.M
	31	a Phœnicis	48 70.3	42.1	12.8	94.9	09.0	31.3			1	010	40	02 01	T.P

⁽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		The	ermom	eter.					Microm.		Som		Geo	2.5	P. D. o		NAME OF	
rent Zenith Point.	Арр	Dist	ance.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction	. Pa	rallax.	for opposite Limb.	di	ame	ter.	Geo	Cen		No.	NAME OF S	
11	0	,	"	Inch.	0	0	0	,	"	,	"	r	,		"	0	,	"		PLANET	
			44·99 10·29	29.976	66.0	60.8			23·90 23·72		4.17							1·47 30·76	623	Ceres. Tauri.	100
	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		$20 \cdot 47$ $29 \cdot 26$		42.94					113		25.31	414	D η Tauri.	
	55	32	49.22	29.954	65.2	59.8			22.93							111			414		
		33		30.295	65.0	57 · 4			27.49									30.13	543	7 Tauri.	
			12.97	.005	04.0	57.0		10000	$27 \cdot 46$ $23 \cdot 42$				100					37·18 15·63		Companion.	
	62		55·46 54·69		64.0						40.08		15	20		117		39.71	585	Tauri.	
1000			39.59	201	00 0		010	-	0.23		10 00		-	20	-			16.93	699	a Columba.	
	61	28	24.96		63.5			1	46.07									7.78	722	C Tauri.	
5.66	-18	39	59.22	.249	63.5	57.0			19.56	0-1		250	8		111	37		37.97	807		
			57·40 58·97	.948	63.5	56.7	3			100						73		39.79	807 838		
4.25			57.97	240	000				18.20									12.92	838	Sirius.	
5.30	7	51	56.48	30.187	66.2	71.0			7.77			2.111				63	56	1.00	1885	Antares	
3 30	7	51	57.58													63	56	2.10	1885	Antares.	
			16·71 13·45	30.152	67·0 67·6				8.31		0.89	20.712		11	.05	64 69		20.88		Å	
			43.88		65.5				24.95		2.00	20-712		11		130		5.58	589	ς Aurigæ.	
			14.90		65.5			3 5	27.42							131		39.07	588		
	56		23.38		65.0		56.2		24.47		4.18					112		40.42		Ceres.	
			33.26	.031	65.0	02.2		1 :	57·55 0·23									27·56 16·67	687		
			38.98	.026	65.0	64.0					M.C.							25.50	699 734		
3.84			37.16	-3011		1		-	19.77			9 1100				97	22	23.68		a Orionis.	
			40.70		65.0			1 4	51.78	49	40.58		15	12	.00			36.65	-136	D	
			59·24 58·52	.003	65.0	61.0		1	19.25									38.26		Canopus Canopus.	
	59	11	37.46	30.000	65.0	59-6		1:	35.52							115		9.73	831		
	58	25	56.32	29.990	65.0	56.8		1:	33.18							114	31	26.25	870	ω1 Geminorun	
4.45				29.895	67.0	86.0	70.0		7.49		100					63		1.81	1885	Antares	
	7	51	56.97													63	56	1.21	1885	Antares.	
	11			29.880	67.0	87.4	71.8	1	10.53		1.64		16	16	50	-		22.03		0	
4.78			12:67	29.864	67.5	88.0			7.95		0.89	200						16.48		ğ	
		-		29.804					3.29									16·53 59·30	2741	Fomalhaut.	
		-					FO. 0														
State of the last				$30 \cdot 222$ $30 \cdot 285$				7	7.84		7					63	59	1.10	340	Persei. Antares	
4.51			56.00	00 200	0, 0	0, 0	0.00		7.86											Antares.	
4.83	8	23	30.78	30.260	67.3	67.6			0.00		0.01					64	27	34.99		ğ	
4 03			30.94						8.37		0.91							35.15		ğ	
5.31)				30.203	67.0	66.4		1	4.43		2.84							40.65		9	
			33.42	30.172	67.0	61.2					1111				1			41·76 34·69	31	a Phœnicis	
4.93			12.38	1.0					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

27		NAME OF STAR			M	licrose	opes.			Micrometer	Correction	Con	cluded	. i
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.		ding Circle.	Initials of Observer.
Day.		T ALL TO SE	,	"	"	11			"	7. h. m. s.	1 11	0		
16 Dec.		⊙ N. LM				66.5					-53.77		5 41 . 55	T.M
		⊙ S. L ö's center				89.9							3 12.34	T.M
	1 1 1	(a) 9's centerM.R.				51.8					+1 04.21			T.N
		* D. L	39	77-3	53.	197.2	37.9	88 - 1	38.0			340 40		T.N
	2741	FomalhautM.R.	100			1 49 . 0			7 3 9		-28.07	142 37 329 31		T.M
17 Dec.		⊙ S. L	20	58.9	40.0	67 - 1	34.8	58 - 6	31.5			336 20	48.30	T.M
19 Dec.		(b) ♀ N.L	44	54.7	34.0	65.5	27.1	56.9	26.6		-0:36	341 4	43.40	T.N
	2741	Fomalhaut. M.R.				2 37 . (-20:37	142 3	7 5.57	T.N
	1533	SpicaM.R.				2 04 - 1					+47.23		7 12-90	T.N
	1533	Spica	40	63.	50.	376.8	41.2	74.5	38.0		See Long B	349 4	57.58	T.N T.N
20 Dec.	883	¿ Canis Maj. M.R.	16	38-0	39.	34.5	40-5	29.0	28.3	20.419	-10.28	138 1	6 23 - 94	T.N
	883	d Canis Majoris	51	57.8	34.	1 66-1	30.8	54.2	28.2				1 45.62	T.N
	928	σ Argus M.R.				9 53 . (-40.46		6 14.69	T.M
	928	σ Argus B Octantis SP				0 68 - 7							1 54·48 4 46·58	T.N
	1070	a Pix. Naut				380.0							4 01.02	T.N
	1092	Ursæ Majoris	100.00	37-1	8 45.	8 59 . 8	03.0	69.8	08.5			48 3	3 37 - 17	T.N
	1223	Argusin Vel. M.R.	27			4 54 . 8					-42.59		6 52 - 54	T.N
	1223	Argus in Velis				0 34 - 3				10.020	+5 28.08		1 17.57	T.A
	1281	(c) η Argus M.R. η Argus,				3 75 • (0 58 • (+5 28.08		0 54.11	T.M
21 Dec.		(d) ⊙S.LM	17	38.	4 26.	3 48 - 1	8 20 . 9	41.5	14.9	22.334	-1 27 - 37	336 1	6 4.36	T.N
		⊙ N. L				2 50 . (8 32 - 32	
	2741	Fomalhaut				0 55.0					-37 · 07	329 3		1000000
	31	a Phoenicis. M.R.				1 37 -					-17:30		9 18.31	
	31	a Phœnicis	100		0.000	0 62 .							8 51.63	T.N
		(e) D S. L				1 59 .						1	2 53.76	
	1596					8 40 -					+9.20	The second second	2 32·77 5 37·81	T.P
	1596					5 29					-41.74			
	1885					0 73						333 5		140,00
22 Dec.	0	⊙ N. L M	48	3 42.	4 30 .	9 46.	0 31 .	1 40 .	123.	20.230	-2.50		8 33.00	
	1 3	⊙ S.L	14	67.	2 56.	171.	1 56	6 65	1 50 .	1			6 1.13	1000
	0743	8's center	los.			455.					24.2	335 1	6 43.13	
	2741		30			279.					-04.00	329 3		
	21.11	z Octantis SP	29			8 39 .	-				The Date		9 17.61	
	340	Persei M	5			075.					-13.79		2 40.40	- Roma
	341					2 120						100000	6 38:42	100000
	365				0000	8 68 .	7 7 7 7	2000		51	100000	100000000000000000000000000000000000000	9 16.53	10000
	489					031		70 70 70 70 70					8 17.08	100000
	500					2 35.					1	325 3	6 20.56	T.I
	1 30	Ceres	100			497.				01			3 25.03	
	611	Capella σ Octantis SP				8 68					1		4 43·23 7 17·85	1000
		σ Octantis SP	1	1 28	0 20	0 42	0.40	4 44.	0.40	U		200 1	, 11.00	1.04

⁽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-		ron	t Zenith	Land Barrier	The	rmome	eter.		AT INT	Microm.	0	emi-	Geor S	P. D. of		NAME OF STREET
rent Zenith Point.			ince.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Parallax.	opposite Limb.	dia	meter.		iter.	No. ASC	NAME OF STA
"	0	,	"	Inch.	0	0	0	, ,	1 11	r	,	"	0 1	" "		PLANEL.
le in				29.941	68.5	87.0	70.6				16	16.70		25.62		0
		19	7.59	20 000	20 0	00 0		9.86					00 38	29.37		0
	1000	_		29.936				8.00						58.83		ğ
		36	0.22	29.900	10.9	99.0	13.0	14.07	2.93	19.490		13.59		22.73		9
Sheet		27		29.902	71.4	83.0				13 430		10 05	59 31		2741	Fomalhaut
5.01		27	2.26					3.29					59 31		2741	
	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				16.00	3.25	20.670		10.21		37.66		9
3.5			59.46					3.44						59.65		
5.24				30.327	65.0	61.0		25.19		ME BY	1			14.07		
			52.55										79 4	14.49		
4.78				30.071	64.8	59.5		7.85			1		63 51	45.69	883	d Canis Maj.
1 10			40.59	001	05.0	FO		, 00			-				883	δ Canis Majori σ Argus
4.59	-9 -9	2	9.66	.061	02,0	99.4		9.11						37.98		
		20	18.45	.056	64.9	59.4		1 26-27						37.09	320	B Octantis SP
17 1			55.99	.044				1.33						3 54.07	1070	
	82	29	32.14	.038						1816				17.64		ι Ursæ Majoris
5.06			47.51	.023				7.41		1100	1		48 4			Argus in Velis
	-1		47.46	00 000	010			7 41		18-15			48 4			
6.52	-24 -24	53	10.92	30.026	04.3	59.2		26.55						0 16·31 0 19·28		
	10	11	59.33	30.003	67.2	71.2	64.8				16	17.00		2 21.62		0
30 31			27.29		00			10.60	1.60		10	17.00	00 0	2 16.04		0
5.29		27		29.954	68.0	68.2	63.5	3.38	THE STATE OF	1			59 3			
	0	27	13.28	29.968	67.5	65.0	60.0	The state of the state of		1			59 3	1 1.93 3 34.27	2741	Fomalhaut. a Phœnicis
4.97	-9	15	13.40	29-908	01.0	05.0	02.2	9.20						8 34.15		a Phœnicis.
	24	38	48.73	30-104	66.0	65.3	61.8	0 26.02	23 0.82		15	9.16	B. Commission	5 19.84	0.1	D
5.29	-25	38	27.74	.108						14 14 1	1000	-	30 2	5 1.83	1596	β Centauri
5.29	-25	38	27.22		-	100.8	100	- 20000000		100	-		30 2			β Centauri.
4.77			56·58 56·05	30 · 125	67.0	70.8	64.0	7.76	C. S. H.		-		63 50	6 0.56	1885 1885	Antares Antares.
	10	44	27.97	30 · 130	67.2	71.4	64.8	10.64	1.60		10	15.	66 35	2 16.66		0
31111			56.10		3	1	1	10.10			16	17.10		2 18.53		0
	9	12	38.10			70.0		9.09			13			6 42.86		8
4.05		27	2.76		68.0	67.0	63.6	3.41		100			59 3			Fomalhaut
00	0	27	0·80 47·42		66.0	61.0		1 33-37		128			59 3	1 0.96 2 24.04	2741	Fomalhaut. z Octantis SP.
				30.127		100		7 4.76						36.88	340	Persei.
			33.39	30 127	00 2	01-0		3 19:39						9 49.53		β Persei.
			42.26	.126	65.5	61.0		7 20 - 33		1				5 59.34		a Persei.
	73	25	11.50	.122		61.0				130	1		129 39	2 17.87	433	ε Persei.
			47.95				1 8 3	0.26						8.54	10000	
			44.47		05.0	00	1 6	0.46		Tree !	1			11.82	506	
	1000000		20.00		65.2	60.3	1	1 26.28		1				38·87 38·86	611	Ceres. Capella.
			38.20	30-107	65.0	60.2		5 3.91						17.64	011	σ Octantis SP.
	100	40	71 10	100	1000	00.0	1	1 21 21		1			0 4	-1 04	13-11	

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	r. h. m. s,	, ,	0	, ,	190
22 Dec.	673	a Leporis M.R.	140	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						3 21 48	T.M
	699	a Columbæ					14.4					325 5	0 22.24	T.N
The same	732	β Columbæ					08.0						0 16.13	T.M
	746	y 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			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	-15 04		9 59.63	
23 Dec.	365	a Persei					18.0						9 51 - 14	T.M
	ceo	Ceres		1000			36.2			20 000			5 55.63	T.M
	673 673	a Leporis MR.					64.0			19.870			$447 \cdot 35$ $321 \cdot 25$	T.M
1000	699	a Columba		100			13.8						0 22 43	Contract Contract
100000	732	β Columbæ					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	10000				56.8	1		00-010			9 59.87	T.M
	883 883	Canis Maj. M.R. Canis Majoris					61.0						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						3 35.54	
	2741						30.6				The second		4 32 72	T.M T.M
	2741	Fomalhaut M.R. Fomalhaut					63.5					$\frac{142}{329} \frac{3}{3}$		T.M
	2/41	Ceres					62.0						8 20-21	T.M
		(b) σ Oct. SP M.R.				100000	43.9	PAR CO	0000000	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						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	20000			17000	06.1					336 5	3 8·69 8 12·78	
		Q N.L					33.2						6 34.56	
	2741	FomalhautM.R.	1000				63.2			20.960				
	2741	Fomalhaut					60.0			20 300		329 3		
	365	a Persei					09.5			A LONG			9 42 19	T.M
	900	Ceres	42 4	15.8	88 - 1	79.8	50.5	108.6	34.5	31:00			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	100000000000000000000000000000000000000
	699	(d) σ Octantis SP α Columbæ	50 0	17.6	26.2	42.7	12.3	43.2	43.3	5 17 50			7 15.47	
	732		58 5	11.0	38.4	17.0	54.0	14.0	41.6	21.147			7 53.09	
		production and the		7 E O										THE RESERVE

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-		a For	t Zonith	Barom.	128	rmome					Microm.		Semi	-	Geo	. 9	P. D. of		
rent Zenith Point.	I	Dista	ince.	Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parallax.	opposite Limb.	di	ame	ter.		Cen		No.	NAME OF STA
	0	,	0	Inch.	0	0		,	"	' "	r	,	ø		0	,	"		PLANEI.
4.63	15 -0	59 13	17·25 16·45 42·79 48·90	30 · 100					16·42 0·23 1·90						200	3 50	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 1·15						54	54	48·96 42·49	746 787	γ Columbæ. κ Columbæ.
5.63			2.79		65.0				19.34			16			37	23	34·62 35·82		Canopus.
4.58			54.60	30.076	65.0	9.60			17.98						20.70	30	9.33	838 838	Sirius Sirius,
	83		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		100	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 2·98						1.35						37	23	50·23 34·64	746	7 Columbæ, Canopus
4.21	17	25		29.904	67 - 0	62.7			19·13 17·78								35·14 11·02	807	Canopus. Sirius
5.08	7	47	54·84 39·27	29.895	66.2	52.6			7.75						63		43.77	883	Sirius. ¿ Canis Maj.
-	7 -56	47 29	39·36 21·76	29.886	66-3	52.9		1	25.19								43·86 50·20	883	à Canis Majoris B Octantis SP
			49·49 16·05	29-929	68-2	72.8	67.0		10.48	1.60 1.52		16	17	10			38·02 38·40		0
4.13)	9	40		29 - 930	68.57	73.0			9.47	1.16					65	44	33·80 33·50	100	ğ
4.55		27		29.968	69.0	39.6			3.38						59 59	31	1.62 2.16	2741	Fomalhaut Fomalhaut.
	56	34	15.93	30.050	67.0	58.8		1	26 · 59	4.15					112	39	35·12 13·68		Ceres.
1.62)	-56	AR.	48-47	30.047	65.08	58.4		1	27.28								19.00		σ Octantis SP. σ Octantis SP.
	-90 -	40	47.25					1	27 · 36								17·47 17·86	8	σ Octantis SP. 1 σ Octantis SP
			42.57						0.23								13.95	699	a Columbæ.
	10	49	4.41	30 · 300					10·23 10·79	1·53 1·61		16	17.	20	66	36	56·60 53·14		0
		22	8·50 30·28	·286	68.07	70.36	90000000		10·20 18·77	1·27 4·10	20.818		13.	13	74	26	14·18 28·57		Ď.
5.28	3 5	27	2.55	.269					3.41						59	31	2.71	2741	Fomalhaut.
	56	39	37·91 3·36	285	33.4	58.07	55.5	1	24 · 58	4.13					112	44	23.65	365	a Persei.
100	-5214	an	48.751	30.276	33.65	08-02	95.8	1 5	28-10						-0	44	20.10		σ Octantis SP. I σ Octantis SP.
4.17	-50	40	48.81					1 :	28.10	1/191					-0	44	19-94 20-16		σ Octantis SP. σ Octantis SP.
4.61	-1	53	44·44 48·81 48·16	1000		1000			0.23						54		12·08 6·02 6·67	732	a Columbæ. β Columbæ I 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.	or		Α	В	c	D	E	F	or Time by Molyneux.	for Microm. or Time.		cading Circle.	ials
Day.	A.S.C.	PLANET.	_											語る
			'	11	"	"	"	"	"	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	164 4	4 09.28	T.1
20 2000	807			68.0							20 00		4 01.46	T.1
	838			41.0							-26.22			
	838			64.6									9 55.80	10000
	883	¿ Canis Maj. M.R.									-13.84		6 26.85	1000
	883			51.6							110.68		3 25·08	
				61.0									4 43 44	
	AND			36.8									3 24.86	
		D.											34 43.52	10000
		R.											3 23.88	
		(a) D. R.											$34 \ 44 \cdot 22$ $33 \ 23 \cdot 19$	
		D.											34 43.84	
				37.9			1	10000	1				33 23 64	
	- maria	D.											34 42 - 49	
	1885			55.8							-50.62			-
	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.LM		38.4							-1 00.26			
		. O.D.L		65.8							20 50		22 57.78	
		(c) \$\forall 's centerM.R. \$\forall 's center		39.0							+20.77	336 3		
		9 S.L	1000	29.3	DOC. 1						-17/10/20	100000000000000000000000000000000000000	50 21.77	10000
	2741	Fomalhaut		76.5							100000		31 06-13	
	31	a Phœnicis M.R.		41.2							-1 17.16			
	31	a Phœnicis	48	63.0	50.0	60.6	47.6	47.0	43.4	1	10000	316 4	18 51.91	T.
28 Dec.		(e) Ceres	37	45.3	78-1	72.7	37.0	42.3	20.5	5	BUAN S	100000000000000000000000000000000000000	37 49 09	
	619	Rigel M.R.		51.8				100			-13.51			1000
	619	Rigel	35	67 - 8	59.5	67.2	62 - 3	68.2	59.8	3		351 3	36 4.22	T.
29 Dec.		(d) ⊙ S.LM	30	58.8	47.0	60.0	49.4	54.2	43.0	22.828	-1 47.53	336	29 4.66	T.
	1	⊙ N.L	1					35.8				337 (01 34.68	10000
	220	γ Andromedæ	29	26.0	68.8	61.4	14.8	89.0	04.5				29 43.66	
	1	Companion M z Octantis SP	00		000.0		42.	144.0		20.044			29 47·70 29 16·14	
	282	θ Persei		40.1							10,		25 58 19	100.0
	329	y Persei M									+36.98		39 39 45	
	353	Eridani M.R.	45	43.0	56.8	22.6	72.8	23.0	55.9	19.895	-10.77		45 55.66	
	353	Eridani		22.1							100000		22 13.56	
	365	a Persei		32.4							-36.20		$09 \ 47.51$ $31 \ 3.29$	1000
	424	m · Eridani M. K.		12.7							-30.50	335		
	482	X Eridani		24.								100000000000000000000000000000000000000	48 14 86	
	582	ζ Aurigœ		27.0									46 47 11	
	588	η Aurigæ		59.							HONE OF		57 18 79	000
	611	Capella		31.							HAME!		44 47 97	
	673	σ Octantis SP	17	24.	6 20	137.	0 40	5 39 - 8	8 42 -	5 19.710	18.0	3 130	17 14·46 04 48·53	T.
	673	The same of the sa	1 5	33.	1 14.	1 25.	0 10	0 20.1	0 15	0 19.710	-10-2		03 20 34	
	699			29.							FE PORT		50 19.89	
	746	y Columba	41	66.							and the same of	324	41 57 . 03	5 T.
	787	« Columbæ M	55	5 39.							-45.0	1324	54 48 . 06	T.

⁽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-	Apparen	t Zenith		The	rmome	ter.		11000			Microm.		emi-	Good		P. D. of		NAME OF CO.
rent Zenith Point.	Dista		Barom.	Attach.	Out.	Wet Bulb.	Ref	raction.	Parall	lax.	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			19			11/2/09		32.21	807	Canopus
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			61900			63		6·43 42·10	838 883	Sirius. d Canis Maj.
4.26	-56 29		•258	65.0	58 • 0		1	27.07						-0	26	43·46 51·12	883	δ Canis Majori β Octantis SP.
	-56 29	20.58						27.07						-0	26	51·16 50·90		
	-56 29	19.60						27.07						-0	26	51·08 49·92		
0. 50	-56 29	18.91						27.07						-0	26	50·38 49·23		
	-56 29 -56 29	19.36					,	27.07						-0	26	50·76 49·68		
5.08	-56 29 7 51	55.61	·213	63·5 67·5	58·8 73·8	57.0	1	7.72						63	56		1885	
3 00	, 31	57.20													56		1885	Antares.
	10 18	53.50	30.122					10.69		1.62		16	17.2	0 66	39	15·70 16·06		0
4.15)	10 00	1.29	•094	69.0	74.4			10.38		1.34				66	37	7·34 7·08		A A
	3 27	17·49 1·85	.042	69.5	71.0			18·93 3·38		1.23	19.465		14.1		50 31	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				1000	39		010	Ceres.
3.87	25 32 25 31	0·77 59·94						27.04						10000		24·56 23·73	10000	
	10 25		30.085	69.4	74.3	66 - 2		10.24		1.55		16	17.3	4 11		23.12		0
	75 25	30·40 39·38	-093	69.0	64.4		3	10·79 34·61		1.63				131	33	19·01 10·74	220	
	75 25	43·42 48·14	.006	69.0	64.0	61.0		34 · 62				10		100000		14·79 24·12		Companion. z Octantis SP
	82 21	53.91	.106	68.3				40.06								30.72	1000	θ Persei.
	86 35	35.17		68.2								1		60	00	9.65	329	
4.61		8·62 9·28	108	68.2	04.0	02.1	1	4.28	3					60	22	10.31	353	
	83 5	43.23	.108	68 . 2				17.26	3		1	1		139	16	57.24	365	a Persei.
5.05	9 33	0.99		68.2	64.0	62.2	2	9.56	3			1			37		1	
		49.42		68 - 2	64.0		1	0.26	3			-			48			X Eridani.
	74 42	42.83	134	68 - 2				24.79				-		E 505	50		582	
		14.51		00.0	01.0	02.		27.61			NO IN	1		131		38.87		
		43.69		68.2	04.2	01.6		26.60			110	1		1000		19.67	011	σ Octantis SP.
4.44	15 50	15.75					1							72		28.80	673	a Leporis
4.44	15 59	16.06			1			16.30				1		72		29.11	673	
		44.39		1				0.23				1		10000		12.13	200.00	
		7.23		150	133	1		1.14						100000		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	pes.			Micrometer			cluded	Initials of
and	No.	OF	A	В	c	D	E	F	or Time by Molyneux.	or Time.		ading Circle.	tials
Day.	A.S.C.	PLANET.	-										li.
			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	4 10.05	T.1
	807	Canopus	23 66.8									4 00.43	
	838	Sirius M.R.	38 29-1							-14.68		8 10.18	
	838	Sirius	29 63 2					Transcond to				9 57 15	
	883	¿ Canis Maj. M.R.	16 42·0 51 50·2						20.564	-16.21		6 27.00	
	883 915	δ Canis Majoris η Canis Maj. M.R.	7 37 . 8						20.505	19.00		1 42.92	-
	915	η Canis Majoris		37.4						-13.83		7 26·08 0 43·10	
	310	B Octantis SP	34 53 0	BELLINE								4 42 - 30	
	1070	α Pix. Naut	23 65 6									3 56.13	-
	1092	Ursæ Majoris	33 26.9								The state of the s	3 43.14	Toronto 1
	1114	λ Argus M.R.	54 22.8							+8.95		4 30.39	
	1114	λ Argus	13 47 . 0									3 39.01	T.
	1152	θ Ursæ Majoris	12 47 . 0								52 1	3 00.62	T.
	1223	Argusin Vel. M.R.	27 50.0							-55.58		6 54.32	
	1223	Argus in Velis	41 23.0									1 15.08	
		(a) η Argus M.R.	57 43.0									7 19.48	T.
	1281	η Argus	10 55.0			-						0 51.88	
	1319	Hyd. et Crat. M.R.	3 33.3							+1 05.50			T.
	1319	Hydræ et Crat	3 39 . 0									3 32 22	
	1378	Hydræ et Crat	59 62 5							00.04		9 53.78	T.
	1448	β Corvi M.R. β Corvi	38 35.5							-29.04			
	1448 1596	β Centauri. M.R.	43 43 . 7							-1 00.54	337 3		T.
	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	T.
				WO 0					6				T.1
	1654	α¹ & º Centauri	50 76-3	76.3	82.3	58.8	75.5	51.3	20.446	-11.46	299 5	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	T.I
	1885	Antares	55 68 1	54.0	70.4	58.7	61 · 1	53.0			333 5	6 1.34	T.I
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	T.1
		(b) § 's center . M.R. 8 's center	25 26 0	54.3					14.000	+1 41.12	337 4		T.1
	482	X Eridani	48 26 - 2									8 15.10	
		(c) n Tauri	15 32.0						A STATE OF			5 50.88	T.1
	517	Tauri M							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.I
	582	ζ Aurigæ	46 31 4	77.2	70.1	21.2	100.6	09.8			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	74.6	71.4	18.7	95.8	08.8				4 49.84	
		σ Octantis SP	17 24 . 0										T.I
	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						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 Z	enith	D	The	rmome	eter.		-		Microm.	5	Semi-	Geor	S	P.D. of		NAME OF C	
rent Zenith Point.	Distanc	e.	Barom.	Attach.	Out.	Wet Bulb.	Refraction.	Para	llax.	opposite Limb.	dia	meter.		Cen		No.	NAME OF ST	
,	0 / /	a l	Inch.	0	0	0	, ,	,	,	r	,	,		,	,		PLANET.	
	-18 40 3	5.77	30.124	68 · 2	63.6	61.8	10.00						37	23	31.75	807	Canopus	
5.24	-18 40 3	3 85					19.23						37	23	33.67	807	Canopus.	
3.67	17 25 54	2010/02/03	1000				17.88						10000	30		838		
200	7 47 37	000000	-117	68.2	63.6								1000	30	7·50 42·19	838	Sirius. ô Canis Maj.	
4.96	7 47 38			00 2	00.0		7.79						100000		42.81	883		ri
4.59	4 56 38		-117	68.2	63.6		4.92						61		40.24	915	η Canis Maj.	
	4 56 38			00 0	00. 5								61		40.12	915	η Canis Major	ri
	-56 29 22 1 19 51				63.5		1 25·73 1·32								51.33	1070	B Octantis SI	
	82 29 38		030	00 0	00 2		6 46.31				-						Ursæ Majori	is
4.70	-8 50 25		-087	68.0	63.2	61.2	8.85						47	13	22.16	1114	λ Argus	-
4.70	-8 50 25				00.0		20 700				99		47	13	22.26		λ Argus.	
	86 8 55				63.0								40	40	50.71	1152	θ Ursæ Major	15
4.70	-7 22 49 -7 22 49		-078	01.0	03-0	01.0	7.37						48	40	59.81	1223	Argus in Velis Argus in Velis	
F. CO.	-24 53 14	200200	-074	67.8	63.0	61.5	00.20						31	10	15.53	1281	η Argus	
5.68	-24 53 12	200000000000000000000000000000000000000					26.39						31	10	17.59	1281	η Argus.	
4.64	11 59 27	0.000	•080	67.5	63.0	-	12.09						68				Hyd. et Crat.	
	0 55 49		-080	67 - 5	63.0		0.92						68				Hydræ et Cra Hydr. et Crat	
	11 25 59		.083										67	30			β Corvi	
4.19	11 25 59						11.49						67	30			β Corvi.	
5.36	-25 38 28		.092	68.0	67.6		27.09							25			β Centauri	
	-25 38 27 -26 13 7	7.25		7										25	21.76	100,000	β Centauri.	
5.38	-26 12 55	OLCOROU.	-100	68-2	69 - 4		27.70								33.62	1654	a'& 2 Centaur	ri
	-26 13 - 5	5.64													09.41	1054	a' & 2 Centaur	
-	-26 12 54														04.01			
5.07	7 51 55 7 51 56		30.104	69.0	74.5		7.70							56 56				
													00	30	1-14	1000	Antares.	
			30 - 102	70.0	76.4	69.0		1	.64		16	17.30		49			0	
	10 28 41		- 100	70.2	20.0		10.39	1	. 56				00	49	4:12		0	
(3.65)	11 36 56		-100	10.3	10.0		11.42	1	.56				67	41	5·44 3·44	1	8	
	-0 15 49		-075	70.0	66.5	65.0	0.26							48	6.94	482		
	49 11 46	1716	.078	70.0	66.5	65.5	1 5.37								48.35	515		
	49 15 6			00 .	-		1 5.49						105			517		
	56 48 41 74 42 46		.074	09.4	66.5		1 26.14	4	.10						0.40	500	Ceres.	
	74 53 15	200	-075	69.0	66-4		3 23.52						131		7·19 37·67		ζ Aurigæ. η Aurigæ.	
	79 40 45						5 0.16								42.10	611		
-	-56 46 50	A 170007	.077				1 26.15								20.14		σ Octantis SP.	
4.07	15 59 15		.072	69.0	66.0		16.21						72		28.62	673	The second secon	
	15 59 14 -0 13 45						0.23						72 55		27.46	673 699		
4.71	-1 53 49					1							0.00	10		732		1
4.71	-1 53 49	9.02					1.87						54	10	5.86	732	β Columbae.	
1		1.49		8			1.35			-					47.91	100000000000000000000000000000000000000	γ Columbæ.	
1000	-1 9 16 -18 40 6	5.50					1.14						-		39.11	787 807	κ Columbæ. Canopus	
		3-15					19.12						I Called		34.48	807	Canopus.	
000	17 25 54		30.072	69.0	65.8	64.0	70.75						73		8.66	838	Sirius	1
4.09	17 25 53			1	BELLEVILLE OF	THE STREET	17.77						73	30	7.54	838	Sirius.	

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		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.		cading Circle.	Initials of
			,		"	,		8		h. m. s.	1 1	0	, ,	
30 Dec.	883	¿ Canis Maj. M.R.	16	29-9	40.5	04-8	861-0	04.5	44.1	20.245	-3.35	138 1	6 26 64	T.N
	883	∂ Canis Majoris						41.1					1 40.96	
	915	η Canis Maj. M.R.					-	06.7		20.315	-6.17		7 26.06	
	915	η Canis Majoris						43.0		The second second	*****	100000000000000000000000000000000000000	0 42.11	T.N
		B Oct. SPM.R.	1000				-	85.6	1	FO	+20.41		3 28 12	T.N
	1114	B Octantis SP λ ArgusM.R.			200			22.8		7 1/2 1 1/2 1/2	6.70		4 41 · 13 4 29 · 63	T. N
	1114	λ Argus	1			1		40.1			-0.70		3 39 56	T.N
		(a) θ Ursæ Majoris	1000			1000		96.4	1			200	2 52.78	T.N
	1223	Arg. in Velis M.R.						19.5			+17.83	1000	6 55.74	T.N
	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.N
		7 Oct. SP M.R.						52.1			-27.55		4 06 13	T.N
		τ OctantisSP	23	73-0	72.0	78-9	235.6	83.9	36.6			268 2	4 02.88	T.N
31 Dec.		(b) ⊙ S.L M	1000		-	1000	1	31.2	1	2021 (0.202)			6 57 - 39	T.M
		⊙ N. L						32.6			+0.32		9 32 - 10	T.M
	2741	Fomalhaut . M.R.						22.0			-1 37.93			T.N
	2741	Fomalhaut						67.2			30.50	329 3		T.N
	31	(c) α Phœnicis M.R. α Phœnicis						22.4			-10.90		9 18·52 8 50·88	T.N
	31	Ceres						113.5					5 06.47	T.N
	611	Capella						95.5					4 48.76	T.N
	011	σ Octantis SP						26.5				100000000000000000000000000000000000000	7 12.98	T.N
	673	- Lanaria P						25.7				100000	4 47 - 78	T.N
	673	(d) a Leporis	3	26.0	08 - 7	29 .	7 09 - 8	3 25 - 2	08.0			342 0	3 18.02	T.N
	699	a Columbæ						17.7			The same of the same of	The second second	0 18.71	T.N
	732	β ColumbæM.R.						21.0			+27.91	10000	7 54.25	T.N
	732	β Columbæ				1000		12.7				10000 00 00	0 14.93	T.N
		(e) γ Columbæ				100		8 54 . 2				-	1 57.41	T.N
	807	Canopus M.R.						5 24 . 8			-4.76		4 12.28	T.M
	807	Canopus						53.8			10.00	100,000	3 58 58	T.M
	838	SiriusM.R.	38	24.4	46.0	58.	261.	003.5	37.5	20.610	-18.07		8 9·75 9 57·32	T.M
	838	Sirius	29	02.0	30.1	01.	949.	7 64 - 5	40.9			043 2	9 37 32	1.1

 ⁽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	100	ren	t Zenith	Barom.		rmom	eter.	Pof-	action	Parallax.	Microm.	Sen	mi-	Geor	.s.	P. D. of		NAME OF ST
Zenith Point.	I	Dista	nce.	Darom.	Attach.	Out.	Wet Bulb.	Keir	action.	Paramax.	opposite Limb.	diam	eter.		Cent	ter.	No. ASC	or
"	0	,	,	Inch.	0	0	0	1	,	, ,	r	,	,	0	,	,		
3.80			38·01 36·31						7.75							42·51 40·81	883	δ Canis Maj. δ Canis Major
4.09	4	56		30.073	69 · 0	65.4	64.0		4.90					61	0	40 24 39-11	915	η Canis Majo η Canis Majo
4.63	20	00	23·47 23·52	18 11		65.0		1 ,	25.36					-0 -0	26 26	52·08 52·13		B Oct. SP. B Octantis S
4.60	-8 -8	50	24·98 25·09	-3.3	18 18	61 · 4			8.87					47	13	22.90	1114	λ Argus λ Argus.
5.44		22	48·13 51·09 49·52			61·0 63·4			7.36					48	40	58·30 59·87	1223	
5.60	-24	53	15·34 13·44	•032	68.5	63.9	63.0	1	26-31					31	10	15·10 17·00	1281	n Argus
4.51				30.038	68 · 5	64.0	63.0	1 5	29.34					-1	37	34·07 34·36		τ Octantis SP τ Octantis SF
13	10	32		30-076	71.0	78 - 2	71.0		10.30			16 1	7:30			15.52		0
5.13		-	27·45 1·27 2·23	.020	72.0	74.3			3.35	1.65				59	53 31 31		2741 2741	
4.70	-9	15	13 87 13 · 77	.021	71.4	70.5			9.12					46	48	33·76 33·86	31 31	Fomalhaut. a Phænicis a Phænicis.
	56 79	51 40	1·82 44·11			65·4 65·5			26·42 0·23	4.08				112	56	20.91		Ceres. Capella.
2.90	15	59	51·67 16·87			65.4		1 5	26·17					72	3	21·09 29·84	673	σ Octantis SP α Leporis
2 30	-0	13	13·37 45·94						0.23						50	26·34 10·58	699	a Columbae.
4.59	-1	53	49.60 49.72 7.24	.050	60.0	65.8			1.88					54	10		732 732	β Columbæ.
5.43	-1 -18 -18	40	7.63 6.07			66.0		1	1·35 19.09					37	23	30 03 31·59	807 807	
3.54	17	25		30.034	69 · 2	66.0		1	17.74					73	30	9.39	838 838	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 $=56^{\circ}.03'.56''.75$

