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2

33 -45
34 -60
24 -60

R Horologii. Sequence on B48747
Marked on AM 133

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2	A
AM 32	1899 July 29		b-c				
3301	1905 Jan. 9	1.6855	l-c		8.25		
3661	1905 June 23	17020	n.s.	k seen	[10.76		
3681	1905 July 1	17028	n.s	k seen	[10.76		
3790	1905 Aug. 11	17069	n.s.	l seen	[11.16		
3826	1905 Aug. 22	17080	l-k		11.06		
3856	1905 Sept. 6	17095	n.s.	k seen	[10.76		
3902	1905 Sept. 19	17108	k-k	l seen	10.17		
3959	1905 Oct. 20	17139	f-g	k seen	9.51		
3968	1905 Nov. 1	17151	d-f		8.79		
3982	1905 Nov. 17	17167		Plate too poor	-		
4028	1905 Dec. 15	17195	a	l seen	5.33		
4049	1906 Jan. 26	17237	b-c		6.71		
4437	1906 July 24	17416	n.s	k seen	[10.76		
4490	1906 Aug. 10	17433	n.s.	l seen	[11.16		
4552	1906 Sept. 5	17459	n.s.	l seen	[11.16		
4635	1906 Oct. 13	17497	n.s.	k seen	[10.76		
4692	1906 Nov. 14	17529	n.s.	k seen	[10.76		
5109	1907 Aug. 30	17818	n.s.	k seen	[10.76		
5127	1907 Sept. 5	17824	n.s.	k seen	[10.76		
5220	1907 Oct. 17	17866	n.s	l seen faintly	[11.16		
5246	1907 Nov. 6	17886	n.s.		[9.98		
5273	1908 Jan. 24	17965	a-b		5.63		
5784	1908 Aug. 30	18184	n.s.	k seen	[10.76		
5852	1908 Sept. 22	18207	n.s.	k seen	[10.76		
5891	1908 Nov. 3	18249	n.s.	l seen faintly	[11.16		
5912	1908 Nov. 28	18277	n.s		[9.98		
6490	1909 Aug. 19	18538	k-g	l seen	9.91		

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Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 6586	1909 Sept. 12	18562	b-h		10.56	
6628	1909 Sept. 25	18575	l-k		11.06	
6665	1909 Oct. 12	18592	n.s.	k seen faintly	[10.76	
6727	1909 Oct. 31	18611	k-l		10.86	
6739	1909 Nov. 2	18613	n.s.	l seen	[11.16	
6771	1909 Nov. 11	18622	n.s.	k seen	[10.76	
7295	1910 Sept. 10	18925	g-h	h seen	9.77	
7314	1910 Oct. 1	18946	n.s.	" "	[9.98	
7338	1910 Nov. 6	18984	n.s.	" "	[9.98	
7357	1910 Dec. 23	19029	n.s.	" "	[9.98	
7723	1911 Aug. 26	19274		Slide cracked	—	
7764	1911 Sept. 16	19296	e-f		8.58	
7799	1911 Sept. 20	19300	d-f		8.79	
7867	1911 Oct. 13	19328	f-g		9.51	
7966	1911 Dec. 12	19383		Trailed stars	—	
8643	1912 Sept. 14	19660	b-c		6.71	
8738	1912 Oct. 21	19697	d-e		8.50	
8774	1912 Dec. 12	19749	n.s.		[9.98	
9288	1913 July 23	19972		Plate too poor	—	
9343	1913 Aug. 9	19989	a-b		5.63	
9379	1913 Aug. 28	20008	a-b		5.63	
9410	1913 Sept. 4	20015	a-b		5.63	
9513	1913 Sept. 28	20039	b-c		6.71	
9597	1913 Nov. 18	20090	d-e		8.50	
9628	1913 Nov. 16	20088	e-f		8.58	
9644	1913 Dec. 1	20103	f-e		9.16	
9664	1913 Dec. 29	20131	n.s.		[9.98	
9668	1914 Jan. 12	20145	h-g		9.91	
10155	1914 Sept. 24	20400	f-d	l seen	6.22	

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4

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Plate	Date	J.D.	Estimate	Remarks	m.
AM 10195	1914 Oct. 15	20421	b-c	k seen	6.71
AM 10227	1914 Oct. 24	20430	b-a	k seen	6.22
10235	1914 Oct. 27	20433	b-a	k seen	6.22
10269	1914 Nov. 9	20446	b-c		6.71
10285	1914 Nov. 23	20460	b-c	l seen	6.71
10295	1914 Dec. 15	20482	e-d		8.34
10300	1914 Dec. 16	20483	e-d		8.36
10315	1914 Dec. 23	20490	d-e		8.50
11118	1915 Sept. 9	20750	n.s.	h seen	[9.98
11141	1915 Sept. 12	20753	n.s.	h seen	[9.98
11265	1915 Sept. 26	20767	f-d	l seen	9.23
11418	1915 Nov. 3	20805	b-c		6.71
11438	1915 Nov. 10	20812	b-c		6.71
11454	1915 Nov. 13	20815	b-a	k seen faintly	6.22
12252	1916 July 23	21068	n.s	h seen	[9.98
12496	1916 Sept. 26	~~21193~~		Poor plate	—
12750	1916 Nov. 1	21169	f-g		9.51
12773	1916 Nov. 13	21182	e-c	l seen	8.04
12798	1916 Nov. 26	21194	b-c	k seen	6.71
13574	1917 Sept. 7	21479	n.s	h seen	[9.98
13601	1917 Sept. 16	21488	n.s	"	[9.98
13625	1917 Sept. 23	21495	n.s	"	[9.98
14445	1918 Sept. 29	21864	n.s.	"	[9.98
14556	1918 Nov. 4	21902	n.s.	"	[9.98
14566	1919 Jan. 22	21981	f-d	k seen	9.23
15005	1919 Sept. 18	22220		Poor plate	—
15020	1919 Sept. 22	22224	n.s.	h seen	[9.98
15494	1920 Sept. 13	22581	g-f		9.64
15513	1920 Sept. 17	22586	h-g		9.91

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Plate	Date	J.D.	Estimate	Remarks	m,
AM 16012	1922 Aug. 4	23271	b-c	l seen	6.71
16049	1922 Aug. 23	23290	b-c		6.71
16121	1922 Oct. 18	23346	d-f	l seen faintly	8.79
16148	1922 Nov. 29	23378	g-h	l seen	9.77
16162	1922 Dec 19	23408	n.s.	h seen	9.98
16376	1923 Aug. 17	23649	b-c	l seen	6.71
16408	1923 Sept 5	23668	b-a	l seen	6.22
16476	1923 Dec. 14	23768	e-f		8.58
16530	1924 Jan. 6	23791	f-g		9.51
16569	1924 Jan. 14	23799	h-g	l seen	9.91
16592	1924 Jan. 30	23815	h-k		10.17
16617	1924 Feb. 6	23822	k-h		10.56
16670	1924 Dec. 18	24138	e-c	l seen	8.04
16687	1925 Jan. 7	24158		Poor plate	—
AX 885	1924 Oct. 24	24083	b-a	l seen	6.22
942	1924 Dec 15	24135	e-c	l seen	8.04
1339	1925 Sept. 18-19	24413	e-d	l seen	8.36
1367	1925 Oct. 9-10	24434	b-c	l seen	6.71
1414	1925 Dec 10-11	24496	c-e	l seen	7.56
1448	1925 Dec. 22-23	24508	c-e	l seen	7.56
1495	1926 Jan. 14-15	24531	e-c	l seen	8.04
1513	1926 Jan 22-23	24539	d-a	l seen	8.50
1543	1926 Feb. 16-17	24564	d-f	l seen	8.75
1861	1926 Aug. 30-31	24759	k-l		10.86
1880	1926 Sept. 4-5	24764	k-l		10.86
1911	1926 Sept. 15-16	24775	k-l		10.86
1950	1926 Oct. 9-10	24799	h-g	l seen	9.91
1992	1926 Nov. 10-11	24831	b-a	l seen	6.22
2110	1927 Dec. 21-22	(25237	b-a	l seen	6.22

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Plate	Date	J.D.	Estimate	Remarks	m_1	
AM 3331	1905 Jan. 14	16860	e-d	k seen faintly	8.36	A
3746	1905 July 26	17053	n.s.		-	
3761	1905 Aug. 7	17065	k-l		10.86	
3799	1905 Aug. 17	17075	l-k		11.06	
3869	1905 Sept. 8	17097	l-k		11.06	
3903	1905 Sept. 19	17108	k-h	l seen	10.56	
3927	1905 Oct. 3	17122	h-g	l seen	9.91	
3988	1905 Nov. 22	17172	b-k	l seen	6.22	
4005	1905 Dec. 4	17184	a-b	l seen	5.63	
4081	1906 Jan. 31	17242	b-a		6.22	
4090	1906 Feb. 1	17243		Plate indistinct	-	
4532	1906 Aug. 24	17447	n.s		-	
4596	1906 Sept. 26	17480	n.s.	l seen	[11.16	
4616	1906 Oct. 9	17493	k-l		10.86	
4643	1906 Oct. 15	17499	n.s.	l seen faintly	[11.16	
4701	1906 Nov. 16	17531	n.s.		-	
5036	1907 Aug. 3	17788	n.s.		-	
5161	1907 Sept. 17	17836	l-k		11.06	
5214	1907 Oct. 16	17865	n.s.		-	
5233	1907 Oct. 30	17879		Poor plate	-	
5738	1908 Aug. 5	18159	k-h		10.56	
5777	1908 Aug. 27	18181	n.s.	h seen	[9.98	
5826	1908 Sept. 15	18200	n.s.	k seen	[10.26	
5917	1908 Nov. 25	18271	n.s.	h "	[9.98	
5923	1908 Dec. 2	18278	l-k		11.06	
6581	1909 Sept. 11	18561	l-k		11.06	
6659	1909 Oct. 11	18591	n.s.	h seen	[9.98	A
6681	1909 Oct. 16	18596		Trailed stars	-	
6819	1909 Dec. 17	18658	n.s.	h seen	[9.98	

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Plate	Date	J. D.	Estimate	Remarks	m,
AM 6710	1909 Oct. 23	18603	n.s	h seen	[9.98
6780	1909 Nov. 19	18630	n.s.	" "	[9.98
7298	1910 Sept. 11	18926	h-g		9.91
7330	1910 Oct. 11	18956	k-h		10.56
7341	1910 Nov. 9	18985	n.s.	h seen	[9.98
7355	1910 Dec. 22	19028	(n.s.)	Plate poor	—
7356	1910 Dec. 22	19028	(n.s)	Plate poor	—
11127	1915 Sept. 10	20751	h-k		10.17
11283	1915 Sept. 28	20769	d-f	k seen	8.79
11409	1915 Nov. 1	20803	b-c	k seen faintly	6.71
11422	1915 Nov. 4	20806	b-c	l seen	6.71
11469	1915 Nov. 15	20817		Badly streaked	—
12439	1916 Sept. 18	21125	n.s	h seen	[9.98
12492	1916 Sept. 22	21129	(n.s.)	Exposure too slight	—
12503	1916 Sept. 25	21134	n.s.		—
12757	1916 Nov. 2	21170	f-d	l seen faintly	9.23
12778	1916 Nov. 15	21183		Plate scratched	—
12795	1916 Nov. 23	21191	b-c	k seen	6.71
13591	1917 Sept. 14	21486	n.s.	h seen	[9.98
13606	1917 Sept. 17	21489	k-h		10.56
13782	1918 Mar. 10	21663	b-a		6.22
14451	1918 Sept. 26	21863	n.s.		—
15064	1918 Nov. 27	21925		Plate miserable	—
15511	1920 Sept. 16	22584	n.s.	h seen	[9.98
15518	1920 Sept. 20	22588	n.s.	h seen	[9.98
15526	1920 Sept. 23	22591	h-g		9.91
AX 810	1924 Sept. 6	24035	b	l seen	6.51
915	1924 Nov. 1	24091	b-a	l seen	6.22
951	1924 Dec. 19.	24139	e	l seen	8.29

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8

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Plate	Date	J. D.	Estimate	Remarks	m
AX 960	1925 Jan. 11	24162	d-f		8.79
1254	1925 July 27-28	24360	l		11.16
1346	1925 Sept. 18-20	24414	d	l seen	8.57
1455	1925 Dec. 23-24	24509	b-c	l seen	6.71
1491	1926 Jan. 13-14	24530	c-e	l seen	7.56
1507	1926 Jan. 20-21	24537	c-e	l seen faintly	7.56
1539	1926 Feb. 15-16	24563	d	l seen	8.57
1902	1926 Sept. 10-11	24770	k-l		10.86
1957	1926 Oct. 11-12	24801	g-f	l seen	9.64
2039	1927 Oct. 25-26	25180	h-k	l seen	10.14
2078	1927 Nov. 18-19	25204	f	l seen	9.45
2104	1927 Dec. 16-17	25232	b-a	l seen	6.22
2113	1927 Dec. 23-24	25239	b-a	l seen	6.22
2134	1928 Jan. 19-20	25266	b-a	l seen	6.22
2174	1928 Feb. 17-18	25295	b-a	l seen	6.22
AM 5797	1908 Sept. 5	18190V	n.s.		—
7294	1910 Sept. 10	18925		not on slide	—
7910	1911 Oct. 23	19333	l		11.16
8768	1912 Nov. 20	19727	l ?.?		(11.16)
10971	1915 Aug. 9	20719	n.o.	h seen	[9.98]
11310	1915 Oct. 4	20775	e-c		8.04
11352	1915 Oct. 8	20779	e		8.29
11403	1915 Oct. 30	20801	b-c		6.71
11920	1916 June 7	21022	n.s.	h seen	[9.98]
11936	1916 June 9	21024	n.s	h seen	[9.98]
12543	1916 Oct. 3	21140	n.s	" "	[9.98]
12604	1916 Oct. 17	21154	n.s.	" "	[9.98]
12630	1916 Oct. 19	21156	n.s.	" "	[9.98]
12808	1916 Dec. 4	21202	b-a		6.22

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Plate	Date	J. D.	Estimate	Remarks	m.
13684	1917 Oct. 16	21518	n.s		—
13727	1917 Dec. 1	21564	h		9.98
13745	1917 Dec. 5	21568	n.s.		—
14478	1918 Oct. 2	21869	n.s.		—
14495	1918 Oct. 5	21872	n.s.		—
14955	1919 Aug. 25	22196	h-k		10.17
14956	1919 Aug. 25	22196	n.s.	h seen	[9.98]
14967	1919 Aug. 27	22198	n.s.	h seen	[9.98]
15402	1920 Aug. 10	22547	f		9.45
[A.M [160	1899 Sept. 26		[d]		8.57]
10142	1914 Sept. 17	20402	variable seen	too near edge	
10143	1914 Sept. 17	20402	variable seen	too near edge	
10437	1915 April 19	20607	n. s.		
11324	1915 Oct. 5	20776	v. seen	too near edge	
11363	1915 Oct. 12	20783	v. seen	too near edge	
11372	1915 Oct. 16	20787	v. seen	too near edge	
11483	1915 Dec. 6	20838	v. seen	too near edge	
12121	1916 Oct. 18	21155	n. s.		
12644	1916 Oct. 20	21157	n. s		
12810	1916 Dec. 4	21202	v. seen	too near edge	
12853	1916 Dec. 28	21226	v. seen	too near edge	
12875	1917 Feb. 11	21271	v. seen	too near edge	
12962	1917 Apr. 11	21330	n. s.		
12974	1917 Apr. 12	21331	n. s.		
12986	1917 Apr. 13	21332	n. s		
13667	1917 Oct. 10	21512	n. s		
13673	1917 Oct. 11	21513	n. s		
13748	1917 Dec. 5	21568	n. s.		
13837	1918 Apr. 11	21684	v. seen	too near edge	

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10

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Plate	Date	J. D.	Estimate	Remarks	m_1
AM 13845	1918 April 12	21686	v. seen	too near edge	
13851	1918 April 13	21687	v. seen	too near edge	
14498	1918 Oct. 5	21872	n. s		
15053	1919 Oct. 30	22262	n. s.		
15541	1920 Oct. 11	22609	v. seen	too near edge	
15563	1920 Dec. 11	22670	n. s.		11.87
A 8545	1907 Oct. 17	17866	m - n		11.87
8540	1907 Oct. 16	17865	m - n		

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S Octantis Sequences on B 44883

Plate	Date	J. D.	Estimate	Remarks	✓
AM 4328	1906 June 16	17378	= 9		10.84
4356	1906 June 29	17391	= 12?		12.34?
4359	1906 June 29	17391	= 10		11.29
4360	1906 June 30	17392	= 12		12.34
4383	1906 July 10	17402	7-8	15 seen	10.36
4387	1906 July 11	17403	7-8	15 seen	10.39
4445	1906 July 29	17419	4-5	15 seen	9.38
4491	1906 Aug. 10	17433	4-3	15 seen	9.12
4505	1906 Aug. 20	17443	4-5		9.38
4547	1906 Sept. 5	17459	6-7	14 seen	10.07
4568	1906 Sept. 11	17465		trailed stars	-
4589	1906 Sept. 21	17475	7-8		10.36
4666	1906 Oct. 28	17507	n. s.	13 seen	] 12.3
4703	1906 Nov. 16	17531	n. s.	11 seen	] 11.85
4716	1906 Nov. 26	17541	n. s.	15 seen	] 12.92
4736	1907 Jan. 3	17579	n. s.	9 seen	] 10.84
(4775	1907 April 9			trailed stars)	-
4785	1907 April 25	17691	2-3	9 seen	8.71
4786	1907 Apr. 26	17692	2-3	9 seen	8.58
4813	1907 May 9	17705	3-2	11 seen	8.84
4833	1907 May 14	17710	= 3	15 seen	8.96
4918	1907 June 11	17738	7-6	14 seen	10.22
4936	1907 June 27	17754	8-9	15 seen	10.56
4947	1907 June 29	17756	8-9	14 seen	10.56
4963	1907 July 2	17759	8	14 seen	10.46
4999	1907 July 15	17772	12-11		12.10
5020	1907 July 28	17785	14		12.24
5027	1907 July 31	17788	n. s.	14 seen	] 12.24
5076	1907 Aug. 17	17803	n. s.	14 seen	] 12.24

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S Oct.

Plate	Date	J.D.	Estimate	Remarks	√
AM 5123	1907 Sept. 3	17822	n. s.	14 seen	] 12.24
5138	1907 Sept. 13	17832	n. s.	14 seen	] 12.24
5154	1907 Sept. 16	17835	n. s.	10 seen faintly	] 11.29
5178	1907 Sept. 29	17848	n. s.	15 seen	] 12.92
5225	1907 Oct. 28	17872	n. s.	10 seen	] 11.29
5256	1907 Nov. 14	17894	n. s.	10 seen	] 11.29
5268	1908 Jan. 4	17945		trailed stars	–
5269	1908 Jan. 7	17948		too faint	–
5380	1908 Apr. 9	18041	n. s.	8 seen	] 10.46
5393	1908 April 22	18054	n. s	9 seen	] 10.84
5397	1908 April 22	18054	= 15		12.92
5483	1908 May 20	18082	n. s.	15 seen	] 12.92
5490	1908 May 22	18084	n. s	14 seen faintly	] 12.24
5565	1908 June 16	18109	n. s.	9 seen	] 10.84
5578	1908 June 19	18112	n. s.	14 seen	] 12.24
5587	1908 June 21	18114	9-8	14 seen	10.75
5641	1908 July 7	18130	n. s.	14 seen	] 12.24
5646	1908 July 8	18131	n. s	14 seen	] 12.24
5692	1908 July 26	18149	n. s.	14 seen	] 12.24
5732	1908 Aug. 5	18159	n. s	14 seen	] 12.24
5808	1908 Sept. 12	18197	3-2	10 seen	8.84
5812	1908 Sept. 12	18197	3-2	9 seen	8.84
5836	1908 Sept. 17	18202	3	15 seen	8.96
5848	1908 Sept. 22	18207	2-3	15 seen	8.58
5856	1908 Sept. 24	18209	2-3	15 seen	8.71
5861	1908 Sept. 29	18214	3-4	14 "	9.02
5914	1908 Nov. 24	18270	n. s.	9 seen	] 10.84
5921	1908 Nov. 28	18274	= 9		10.84
6001	1909 Mar. 28	18394	n. s.	14 seen	] 12.24

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S Oct

Plate	Date	J. D.	Estimate	Remarks	√
AM 6009	1909 Mar. 29	18395	n. s.	14 seen	] 12.24
6054	1909 Apr. 23	18420	n. s.	14 seen	] 12.24
6077	1909 April 30	18427	n. s.	14 "	] 12.24
6094	1909 May 8	18435	8-9	14 "	10.56
6115	1909 May 11	18438	= 7	15 "	10.33
6128	1909 May 14	18441	7-8		10.36
6135	1909 May 15	18442	= 7		10.33
6155	1909 May 23	18450	4-5		9.35
6187	1909 May 30	18457	= 6		9.86
6220	1909 June 3	18471	4-5		9.35
6270	1909 June 22	18480	= 4		9.18
6286	1909 June 25	18483	4-5		9.35
6297	1909 June 27	18485	5-6		9.95
6306	1909 June 29	18487	6-7		9.98
6330	1909 July 9	18497	= 7		10.33
6359	1909 July 15	18503	7-8		10.39
6364	1909 July 16	18504	7-8		10.36
6399	1909 July 23	18511	8-9		10.56
6403	1909 July 24	18512	8-7		10.42
6413	1909 July 25	18513	8-9		10.56
6417	1909 July 26	18514	= 9		10.84
6421	1909 July 28	18516	n. s.	9 seen	]10.84
6428	1909 July 29	18517	n. s.	9 "	]10.33
6497	1909 Aug. 24	18540	= 12		12.34
6506	1909 Aug. 27	18546	n. s.	9 seen	]10.84
6570	1909 Sept. 10	18560	n. s.	14 "	] 12.24
6578	1909 Sept. 11	18561	n. s.	9 "	] 10.84
(6580	1909 Sept. 11	#		trailed stars)	-
6611	1909 Sept. 20	18570	7-8		10.36

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S Oct

Plate	Date	J. D.	Estimate	Remarks	
AM 6616	1909 Sept. 23	18573	n.s.	15 seen	]12.92
6624	1909 Sept. 24	18574	n.s.	15 "	]12.92
6683	1909 Oct. 17	18597	n.s.	9 "	]10.84
6707	1909 Oct. 23	18603	n.s.	9 "	]10.84
6718	1909 Oct. 25	18605	n.s.	7 "	]10.33
6720	1909 Oct. 25	18605	n.s	8 "	]10.46
6744	1909 Nov. 3	18614	n.s.	10 "	]11.29
6762	1909 Nov. 6	18617	n.s.	9 "	]10.84
6781	1909 Nov. 19	18630	n.s.	2 "	]8.45
6873	1910 Apr. 7	18769	n.s.	7 "	]10.33
6891	1910 Apr. 18	18780	n.s.	7 "	]10.33
6928	1910 May 26	18818	n.s.	9 "	]10.84
6960	1910 May 31	18823	n.s.	9 "	∏10.84
6990	1910 June 4	18827	= 9		10.84
7043	1910 June 27	18850	n.s.	11 "	
7044	1910 June 28	18851	n.s.	11 "	
7098	1910 July 8	18861	n.s.	7 "	
7103	1910 July 9	18862	n.s.	9 "	
7114	1910 July 11	18864	n.s	9"	
7137	1910 July 16	18869	n.s.	9"	
7199	1910 July. 8	18892	n.s	9"	
7210	1910 July 14	18898	n. s	14"	
7270	1910 Sept. 4	18919	n. s.	9"	
7280	1910 Sept. 9	18924	n.s	9"	
7290	1910 Sept. 9	18924	n. s.	9"	
7326	1910 Oct. 11	18956	9-8		10.75
7335	1910 Nov. 8	18984	4-5		9.38
7339	1910 Nov. 8	18984	= 5		9.98
7361	1910 Dec. 23	19029	n.s	7 seen	

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S Oct

Plate	Date	J.D.	Estimate	Remarks	
AM 7368	1911 Feb. 27	19095		streaked plate	—
7372	1911 Mar. 18	19114	n.s.	9 seen	
7388	1911 Apr. 10	19137	n.s	9 "	
7395	1911 Apr. 22	19149	=8		10.46
(7413	1911 May 6	19163		trailed stars)	—
7417	1911 May 20	19177	n.s.	9 seen	
7425	1911 May 23	19180	n.s.	9 "	
7429	1911 May 23	19180	n.s.	9 "	
7431	1911 May 24	19181	n.s.	9 "	
7433	1911 May 30	19187		trailed stars	—
7440	1911 June 8	19196	n.s	9 seen (stained film)	
7443	1911 June 11	19199		film too stained	—
7446	1911 June 13	19201	10-11		11.43
7451	1911 June 15	19203	=10		11.29
7470	1911 June 23	19211	8-9		10.56
7490	1911 June 26	19214	7-8		10.36
7491	1911 June 26	19214	6-7		9.98
(7506	1911 July 2			marked wrong)	—
7516	1911 July 5	19223	4-5		9.38
7528	1911 July 7	19225	4-3		9.12
7531	1911 July 7	19225	4-3		9.07
7543	1911 July 14	19232	=3		8.96
7547	1911 July 15	19233	3-4		9.02
7559	1911 July 16	19234	3-4		9.07
7563	1911 July 17	19235	=4		9.18
7564	1911 July 17	19235	4-3		9.12
7578	1911 July 19	19237	4-3		9.12
7588	1911 July 21	19239	4-3		9.12
7601	1911 July 22	19240	4-3		9.07

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Soct

Plate	Date	J.D.	Estimate	Remarks	
AM 7614	1911 July 24	19242	=4		9.18 AM
7619	1911 July 27	19245	2-3		8.58
7637	1911 Aug. 2	19251	2-3		8.58
7646	1911 Aug. 3	19252		scratched	-
7649	1911 Aug. 4	19253	3-2		8.84
7663	1911 Aug. 5	19254	2-3		8.58
7671	1911 Aug. 12	19261	3-2		8.71
(7674	~~1911 Aug. 15~~	19264		trailed star	-
7681	1911 Aug. 15	19264	=2		8.45
7718	1911 Aug. 26	19275	=5		9.98
7748	1911 Sept. 14	19294	9-8		10.75
7755	1911 Sept. 15	19295	8-9		10.56
7773	1911 Sept. 18	19298	n.s.	9. seen	
7778	1911 Sept. 18	19298	n.s.	6 "	
7787	1911 Sept. 19	19299	n.s.	6 "	
7811	1911 Sept. 22	19302	n.s.	6 "	
7817	1911 Sept. 22	19302	n.s.	6 "	
7823	1911 Sept. 23	19303	n.s.	6"	
7829	1911 Sept. 25	19305	9-8		10.75
7846	1911 Oct. 2	19312	=10		11.29
7847	1911 Oct. 2	19312	10-11		11.57
7871	1911 Oct. 14	19324	n.s.	9 seen	
7872	1911 Oct. 14	19324	n.s.	9 "	
7892	1911 Oct. 17	19327	n.s.	9 "	
7908	1911 Oct. 23	19333	n.s.	7 "	
7915	1911 Oct. 24	19334	n.s.	9 "	
7925	1911 Oct. 26	19336	n.s.	9 "	
7995	1911 Dec. 27	19398	n.s	7 "	
7996	1911 Dec. 27	19398	n.s.	7 "	

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S Oct

Plate	Date	J.D.	Estimate	Remarks	
AM 8001	1912 Jan. 28	19 430	n.s.	6 seen	
8006	1912 Feb 16	19449		Film dust-covered	—
8020	1912 Feb. 25	19458	n.s.	9 seen	
8030	1912 Mar. 20	19482	n.s.	5 "	
8043	1912 Apr. 7	19500	n.s	5 "	
8051	1912 Apr. 12	19505	n.s.	1 " faintly	
8059	1912 Apr. 16	19509	n.s.	1 " "	
8085	1912 Apr. 19	19512	n.s	none of sequence seen	
8104	1912 Apr. 22	19515	n.s.	" " "	
8106	1912 Apr. 23	19516	5?		9.98?
8126	1912 Apr. 26	19519	6		9.86
8133	1912 May 3	19526	3-4		9.07
8156	1912 May 8	19531	n.s.	5 seen faintly	
8172	1912 May 10	19533	6-5		9.89
8219	1912 May 21	19544	7-8		10.36
8234	1912 May 23	19546	9-8		10.75
8238	1912 May 23	19546	7-8		10.36
8251	1912 May 25	19548	5-6		9.95
8260	1912 May 25	19548	7-6		10.22
8270	1912 June 2	19556	n.s.	9 seen	
8281	1912 June 4	19558	8		10.46
8317	1912 June 10	19564		Trailed stars	—
8331	1912 June 12	19566	n.s	9 seen	
8346	1912 June 14	19568	= 10		11.29
8366	1912 June 18	19572	8-9		10.56
8319	1912 June 22	19576	12-11		12.22
8386	1912 June 24	19578	= 11 ?		11.85?
8402	1912 July 6	19590	n.s.	10 seen	
8420	1912 July 9	19593		Trailed stars	

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6

Sct

Plate	Date	J. D.	Estimate	Remarks	
AM 8432	1912 July 10	19533	n.s.	11 seen faintly	
8446	1912 July 12	19535		exposure too faint	
8449	1912 July 13	19536	n.s.	9 seen	
8463	1912 July 16	19539	n.s.	10 "	
8466	1912 July 16	19539	n.s.	7 "	
8479	1912 July 18	19541	n.s.	10 "	
8502	1912 July 22	19545	n.s.	12 "	
8504	1912 July 22	19545	n.s.	12 "	
8510	1912 July 23	19546	n.s.	11 "	
8513	1912 July 30	~~19614~~	=9		10.46
8540	1912 Aug. 4	19619	n.s.	9 seen	
8560	1912 Aug. 17	19632	n.s.	10 seen faintly	
8585	1912 Aug. 31	19646	n.s.	10 " "	
8601	1912 Sept. 4	19650		trailed stars	—
8612	1912 Sept. 7	19653	n.s.	9 seen	
8614	1912 Sept. 9	19655	n.s.	9 seen	
8620	1912 Sept. 12	19658	n.s.	9 "	
8645	1912 Sept. 16	19662	n.s.	9 "	
8650	1912 Sept. 17	19663	n.s.	9 "	
8678	1912 Oct. 2	19677	n.s.	double exposure	
8680	1912 Oct. 2	19677	n.s.	5 seen faintly	
8831	1913 Apr. 24	19882	n.s.	10 seen	
8865	1913 May 5	19893	n.s.	9 seen	
8886	1913 May 8	19896	n.s.	7 "	
8895	1913 May 10	19898	n.s.	9 "	
(8898	1913 May 10	19898		Plate poor)	
8916	1913 May 15	19903	n.s.	9 seen	
8958	1913 May 27	19915	n.s.	9 "	
8960	1913 May 27	19915	n.s.	9 "	

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S Oct

Plate	Date	J.D.	Estimate	Remarks	
AM 9036	1913 June 9	19928	n.s	9 seen	
9041	1913 June 9	19928	n.s.	8 "	
9045	1913 June 10	19929	n.s,	14 "	
9047	1913 June 10	19929	n.s,	14 "	
9050	1913 June 10	19929	n.s.	9 "	
9098	1913 June 13	19932	n.s	10 " faintly	
9122	1913 June 27	19946	n.s	9 seen	
9127	1913 June 28	19947	n.s,	9 "	
9161	1913 July 3	19953	n.s,	9 "	
9256	1913 July 26	19976	n.s	7 "	
9274	1913 July 29	19979	8-9		10.56
9307	1913 Aug. 5	19985	=8		10.46
9311	1913 Aug. 6	19986		exposure too faint	
9394	1913 Sept. 2	20013	2-1		8.31
9423	1913 Sept. 6	20017	2-1		8.17
9426	1913 Sept. 6	20017	2-1		8.31
9464	1913 Sept. 18	20029		trailed stars	—
9643	1913 Dec 1	20103	n.s.	9 seen faintly	
9847	1914 June 10	20263	7-6		10.22
9853	1914 June 11	20264	4-5		9.38
9871	1914 June 16	20269	=7		10.33
9916	1914 July 1	20315	8-7		10.42
9917	1914 July 1	20315	7-8		10.39
9953	1914 July 18	20332	10-11		11.43
9964	1914 July 21	20335	n.s	14 seen	
10056	1914 Aug. 14	20359		trailed stars	
10057	1914 Aug. 14	20359	n.s	14 seen	
(10058	1914, Aug. 14			trailed stars)	
10059	1914 Aug. 14	20359	n.s.	10 seen faintly	

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S Oct.

Plate	Date	J.D.	Estimate	Remarks	
AM (10060	1914 Aug. 14			trailed stars)	
10061	1914 Aug 15	20360	n.s.	14 seen	
10062	1914 Aug 15	20360	n.s.	14 "	
10063	1914 Aug. 15	20360	n.s.	9 "	
10064	1914 Aug. 15	20360	n.s.	10 "	
10119	1914 Sept. 13	20389	n.s.	15 "	
10139	1914 Sept. 17	20393	n.s.	10 "	
10320	1915 Mar. 3	20560	7-8		10.36
10321	1915 Mar. 4	20561	6-5		9.89
10676	1915 June 13	20663	n.s.	15 seen faintly	
10792	1915 July 12	20691	=8		10.46
11070	1915 Aug. 28	20738	9-10		10.95
11116	1915 Sept. 9	20750	9-10		11.06
11174	1915 Sept. 16	20757	6-7		10.10
11322	1915 Oct. 5	20776	2-3		8.58
11398	1915 Oct. 28	20799	2-3		8.71
11415	1915 Nov. 3	20805	2-3		8.58
11461	1915 Nov. 14	20816	=3		8.96
11477	1915 Dec. 3	20835	5-6		9.92
11784	1916 May 23	21007	n.s.	14 seen	
11819	1916 May 26	21010		trailed stars	
11881	1916 June 2	21017	n.s.	9 seen	
11893	1916 June 4	21019	n.s.	5 seen	
11919	1916 June 7	21022	n.s.	7 seen faintly	
11966	1916 June 12	21027		Plate too faint	
11977	1916 June 13	21028		" " "	
11995	1916 June 14	21029		" " "	
12251	1916 July 23	21068	7+		10.22
12445	1916 Sept 19	21126	n.s.	7 seen	

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S Oct

Plate	Date	J.D.	Estimate	Remarks
AM 12494	1916 Sept 23	21130	n.s	4 seen
12510	1916 Sept 28	21135	n.s.	9 "
12515	1916 Sept. 28	21135	n.s.	9 "
12586	1916 Oct. 14	21151	n.s.	12 "
12618	1916 Oct. 18	21155	n.s.	10 "
12641	1916 Oct. 20	21157	n.s.	11 "
12657	1916 Oct. 22	21159	n.s.	10 "
12739	1916 Oct. 31	21168	n.s.	7 "
12783	1916 Nov. 19	21187	n.s	11 "
12829	1916 Dec. 19	21217	n.s.	7 "
13571	1917 Sept. 7	21479	n.s.	11 "
13608	1917 Sept. 18	21490	n.s.	9 "
13670	1917 Oct. 11	21513	n.s.	11 "
14255	1918 Aug. 2	21808	2-1	
14442	1918 Sept. 27	21864	4-5	
14477	1918 Oct. 2	21869	5-6	
14565	1919 Jan. 20	21979		Plate too dense
14962	1919 Aug. 26	22197	14-15?	
15003	1919 Sept. 18	22220	n.s.	9 seen
15081	1920 March 7	22401	=12	
15084	1920 March 9	22413		trailed stars
15194	1920 May 18	22463	8-9	
15195	1920 May 19	22464	n.s.	10 seen
15196	1920 May 19	22464	n.s.	10 "
15197	1920 May 21	22466	n.s	11 " faintly
15198	1920 May 21	22466	7-8	
15199	1920 May 22	22467	n.s.	12 seen
15200	1920 May 23	22468	n.s.	12 seen
15344	1920 July 22	22528	+	Plate too faint

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22

-90

S Oct

Plate	Date	J.D.	Estimate	Remarks
A.M. 15372	1920 Aug. 3	22540		Plate too faint
15401	1920 Aug. 10	22547	n.s	10 seen
15541	1920 Aug. 19	22556	n.s.	5 seen
15479	1920 Sept. 9	22577	3-2	
15538	1920 Oct. 11	22609	2-3	
15543	1920 Nov. 1	22630	5?	
15552	1920 Nov. 3	22632		Plate too dim
15555	1920 Nov. 8	22637	5-6	
15556	1920 Dec. 1	22660	n.s.	5 seen
AX 494 -90	1924 May 1	23907	6-5	
576	1924 June 2	23939	8-9	
634	1924 June 26	23963	11-12	
693	1924 July 8	23975	= 15	
736	1924 July 30	23997	= 15?	
766	1924 Aug. 23	24021	n.s.	15 seen
813	1924 Sept. 16	24045	n.s.	15 seen
883	1924 Oct. 24	24083	n.s.	15 "
959	1924 Dec. 26	24146	5-6	
1033	1925 Apr. 30-May 1	24272	n.s	12 seen faintly
1059	1925 May 18-19	24290	n.s.	15 " "
1097	1925 May 28-29	24300	n.s.	15 " "
1152	1925 June 16-17	24319	n.s.	15 " "
1195	1925 June 25-26	24326	n.s	15 "
1249	1925 July 27-28	24360	n.s.	15 "
1283	1925 Aug. 15-16	24379	n.s.	15 "
1325	1925 Sept. 12-13	24407	2-3	
1419	1925 Dec. 12-13	24497	10-11	
1441	1925 Dec. 21-22	24497.	12-13	
1486	1926 Jan. 11-12	24528	n.s.	15 seen

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V

S Oct

Plate	Date	J. D.	Estimate	Remarks	
AM 1549	1926 Feb. 18-19	24565	n.s.	15 seen	
1614	1926 May 10-11	24647	10-11		
1662	1926 May 31 June 1	24668	4-5		
1688	1926 June 11-12	24679	2-3		
1721	1926 June 30-July 1.	24698	=3		
1749	1926 July 8-9	24706	3-4		
1827	1926 Aug. 5-6	24734	=8		
1901	1926 Sept. 10-11	24770	12-13		
1964	1926 Oct. 14-15	24804	14-13		
2005	1927 Sept. 26-27			Film defective	
2006	1927 Sept. 26-27			" "	
2034	1927 Oct. 23-24	25178	=8		
2090	1927 Nov. 26-27	25212	4-5		
2146	1928 Jan. 27-28	25274	13-12		
2188	1928 Feb. 23-24	25301	n.s.	15 seen	
2241	1928 March 23-24	25330	n.s.	15 seen	
2259	1928 Apr. 18-19	25356	n.s.	15 seen	
AM 3400	1905 Mar. 27	16932	4-5		
3432	1905 Apr. 1	16937	7-6		
3506	1905 May 9	16975	9-10		
3578	1905 June 2	16999	=10		
3609	1905 June 9	17006	n.s.	12 seen	] 12.34
3709	1905 July 11	17038	n.s.	12 seen	] 12.34
3757	1905 Aug. 7	17065	n.s.	12 seen	] 12.34
3864	1905 Sept. 8	17097	n.s.	11 seen	] 11.85
3936	1905 Oct. 6	17125	10-11		11.43
4216	1906 May 10	17341	n.s.	11 seen	] 11.85
4320	1906 June 15	17346	n.s.	9 seen	] 10.84
4338	1906 June 22	17353	n.s.	9 seen	] 10.84

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S Oct

Plate	Date	J.D.	Estimate	Remarks	V
AM 4380	1906 July 10	17402	8-7		-10.42
4472	1906 Aug. 8	17431	3-4		9.02
4497	1906 Aug. 13	17436	4-3		9.12
4602	1906 Oct. 5	17489	8-9		10.65
4658	1906 Oct. 21	17505	12-13		12.29
4782	1907 Apr. 24	17690	2		8.45
4852	1907 May 22	17718	2-1		8.31
4895	1907 June 3	17730	4-5		9.38
4913	1907 June 8	17735	5-6		9.95
4970	1907 July 3	17760	10-9		11.18
5039	1907 Aug. 4	17792	n.s.	10 seen	] 11.29
5096	1907 Aug. 26	17814	n.s.	14 seen	] 12.24
5155	1907 Sept. 17	17836	n.s.	12 "	] 12.34
5357	1908 Apr. 1	18033	n.s.	10 "	] 11.29
5476	1908 May 19	18081	n.s.	12 "	
5554	1908 June 9	18102	n.s	11 "	
5599	1908 June 25	18118	n.s.	10 "	
5601	1908 June 25	18118	n.s.	7 "	
5651	1908 July 9	18132	n.s.	12 "	
5717	1908 Aug. 3	18157	12-11		12.22
5758	1908 Aug. 18	18172	8-9		10.56
5798	1908 Sept. 6	18191	3-4		9.02
5962	1909 Feb. 24	18362	n.s.	12 seen	
6056	1909 Apr. 23	18420	n.s.	10 "	
6112	1909 May 11	18438	8-7		10.42
6184	1909 May 29	18456	4		9.18
6199	1909 June 8	18466	3-4		9.02
6259	1909 June 20	18478	4-3		9.12
6265	1909 June 21	18479	5-6		9.95
6353	1909 July 14	18502	5-6		9.95 ✓

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S Oct ✓

Plate	Date	J. D.	Estimate	Remarks	
AM 6384	1909 July 20	18508	7-8		10.36
6463	1909 Aug. 14	18533	n.s.	10 seen faintly	
6492	1909 Aug. 20	18539	n.s.	10 " "	
6498	1909 Aug. 21	18540	n.s.	11 " "	
6574	1909 Sept. 11	18561	n.s.	10 "	
6700	1909 Oct. 22	18602	n.s.	11 " "	
6864	1910 Apr. 5	18767	5-6		9.95
6883	1910 Apr. 16	18778	8-7		10.42
6919	1910 May 14	18806	n.s.	7 seen	
6996	1910 June 5	18828	n.s	7 "	
7046	1910 June 29	18852	n.s.	8 "	
7089	1910 July 7	18860	n.s	7 "	
7200	1910 Aug. 12	18896	n.s.	7 "	
8335	1912 June 13	19567	n.s.	7 "	
10010	1914 June 31	203155		double exposure	—
10780	1915 July 11	20680	n.s.	8 seen	
10789	1915 July 12	20681	n.s.	11 "	
10847	1915 July 19	20688	n.s	8 "	
10920	1915 July 31	20700	n.s.	8 "	
11120	1915 Sept. 10	20751	8-9?		10.65?
11167	1915 Sept. 15	20756	6-7		~~9~~ 9.98
11172	1915 Sept. 16	20757	5-6		9.95
11564	1916 Mar. 25	20938	n.s	7 seen faintly	
11680	1916 May 7	20991	n.s	5 " "	
11861	1916 May 29	21013	n.s.	7 "	
12106	1916 July 1	21046	6-7		9.98
12143	1916 July 5	21050	5-6		9.95
12221	1916 July 19	21064	4-5		9.38
13124	1917 May 13	21362	8-7		10.42
13192	1917 May 27	21373	8		10.46

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S Oct

	Plate	Date	J. D.	Estimate	Remarks	
AM	13391	1917 July 11	21421	n.s.	8 seen	
	13428	1917 July 19	21429	n.s	7 "	
	13447	1917 July 28	21438	8		10.46
	13463	1917 July 30	21440	n.s	7 "	
	14140	1918 July 8	21783	n.s.	4 "	
	14160	1918 July 14	21789	8-7		10.42
	14236	1918 July 30	21805	3-4		9.02
	14865	1919 July 24	22164	n.s.	11 seen	
	15023	1919 Sept. 27	22229	n.s.	8 "	
	15295	1920 July 10	22516	n.s.	8 " faintly	
	15482	1920 Sept. 10	22578	2-3		
AM	7430 (R.A. 20·08 [-75])	1911 May 23	19180	n.s.	8 seen	
	7463	1911 June 17	19205	8		10.46
	7485	1911 June 25	19213	7-8		10.39
	7493	1911 June 26	19214	7-8		10.36
	7525	1911 July 6	19224	3-4		9.07
	7540	1911 July 13	19231		streaked	—
	7592	1911 July 21	19239	2-3		8.58
	7639	1911 Aug. 2	19251	2-3		8.58
	7645	1911 Aug. 3	19252	2-3		8.71
	7659	1911 Aug. 5	19254	3-2		8.84
	7691	1911 Aug. 18	19267	5-6		9.95
	7749	1911 Sept. 14	19294	n.s.	7 seen faintly	1
	7795	1911 Sept. 20	19300	7-8		10.36
	7830	1911 Sept. 26	19305	n.s.	5 seen	
	7842	1911 Oct. 1	19311	8-9		10.56
	7900	1911 Oct. 19	19330	7-8		10.36
	8114	1912 April 23	19516		Plate poor	
	8166	1912 May 9	19532	n.s.	5 seen	
	8264	1912 May 29	19550	n.s.	4 "	

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S Oct ✓

Plate	Date	J. D.	Estimate	Remarks	
AM 8322	1912 June 11	19565	n.s.	8 seen faintly	
8336	1912 June 13	19567	n.s.	8 "	
8375	1912 June 21	19575	8-7		10.42
8399	1912 July 5	19589	n.s.	14 seen	
8471	1912 July 17	19601	n.s.	9 seen	
8487	1912 July 19	19603	n.s	5 "	
8524	1912 Aug. 2	19617	n.s.	9 "	
8611	1912 Sept. 7	19653	n.s.	7 "	
8630	1912 Sept. 12	19658	n.s.	7 " faintly	
8651	1912 Sept. 17	19663	n.s.	6 "	
8719	1912 Oct. 17	19693	n.s.	5 " faintly	
8720	1912 Oct. 17	19693	n.s.	7 "	
9048	1913 June 10	19929	n.s.	8 "	
9093	1913 June 23	19942	n.s.	12 "	
9171	1913 July 5	19954	n.s.	7 "	
9225	1913 July 22	19971	n.s.	7 "	
9279	1913 July 30	19979		trail	
9393	1913 Sept. 2	20013	n.s.	5 seen faintly	
9510	1913 Sept. 28	20039	2-3		8.58
9534	1913 Oct. 2	20043	3-2		8.84
9823	1914 June 3	20287	4-5		9.38
9900	1914 June 24	20308	=7(?)		10.33?
9913	1914 June 30	20314		trail	
9914	1914 June 30	20314	8-9		10.56
9960	1914 July 20	20334	8-7		10.42
10036	1914 Aug. 8	20353	n.s.	7 seen	
10053	1914 Aug. 13	20358	n.s	7 "	
10068	1914 Aug. 17	20362	n.s.	7 "	
10069	1914 Aug. 17	20362	n.s.	7 "	
10070	1914 Aug. 17	20362	n.s	9 "	

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28

S Oct ✓

Plate	Date	J.D.	Estimate	Remarks	
AM 10108	1914 Sept. 10	20386	n.s.	4 seen	
10135	1914 Sept. 16	20392	n.s.	9 "	
10201	1914 Oct. 17	20423	n.s.	7 "	
10686	1915 June 15	20664	n.s.	9 "	
10826	1915 June 16	20665	n.s.	7 "	
10931	1915 Aug. 1	20711	n.s.	7 "	
11076	1915 Aug. 29	20739	n.s.	8 "	
11306	1915 Oct. 4	20775	2-3		8.58
11340	1915 Oct. 7	20778	2-3		8.58
11358	1915 Oct. 12	20783	2-3		8.58
11788	1916 May 23	21007	n.s.	7 seen	
11832	1916 May 27	21011	n.s.	5 "	
11878	1916 June 2	21017	3 ?		8.96?
11946	1916 June 10	21025	7-8 ?		10.39?
12044	1916 June 22	21037	4-5		9.58
12055	1916 June 23	21038	5-4		9.78
12293	1916 Aug. 2	21078	n.s.	7 seen	
12339	1916 Aug. 16	21092	7-8		10.36
12345	1916 Aug. 17	21093	7-8		10.36
12542	1916 Oct. 1	21138	n.s.	7 seen	
12985	1917 Apr. 12	21331	3		8.96
13008	1917 Apr. 14	21332	4-5		9.38
13305	1917 June 18	21398	n.s.	5 seen faintly	
13481	1917 Aug. 6	21447	n.s.	10 " "	
13504	1917 Aug. 12	21453	n.s.	7 "	
13514	1917 Aug. 14	21455	n.s.	8 "	
14251	1918 Aug. 2	21808	2-3		8.58
14272	1918 Aug. 8	21814	2-1		8.31
14289	1918 Aug. 13	21819	1-2		8.03
14308	1918 Aug. 18	21824	1-2		8.03

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Plate	Date	J.D.	Estimate	Remarks	
AM 14347	1918 Aug. 27	21833	1-2		8.03
14354	1918 Aug. 28	21834	2-1		8.31
14357	1918 Aug. 29	21835	2-1		8.17
14904	1919 Aug. 7	22178		Plate too dim	
14931	1919 Aug. 19	22190	8		
14952	1919 Aug. 25	22196	7-8?		
15045	1919 Oct. 24	22256	n.s.	12 seen	
15370	1920 Aug. 3	22540		Plate too dim	
15386	1920 Aug. 6	22543	n.s.	7 seen	
15527	1920 Oct. 2	22600	1-2		
AM 3489	1905 Apr. 26	16962	8		
3526	1905 May 11	16977	8-9		
3571	1905 May 26	16992	11-10		
3580	1905 June 2	16999	n.s.	12 seen	
3611	1905 June 9	17006	n.s.	10 seen	] 11.29
3714	1905 July 11	17038	n.s.	12 "	] 12.34
3767	1905 Aug. 9	17067	n.s.	12 "	] 12.34
3860	1905 Sept. 7	17096	n.s.	12 "	] 12.34
3939	1905 Oct. 6	17125	10-11		11.43
3993	1905 Nov. 25	17175	2		8.45
4020	1905 Dec. 14	17194	3-2		8.71
4184	1906 April 26	17327	n.s.	3 seen faintly	] 8.96
4236	1906 May 14	17345	n.s.	14 "	] 12.24
4286	1906 June 9	17371	n.s.	12 "	] 11.29
4297	1906 June 12	17374	n.s.	12 "	] 12.34
4430	1906 July 28	17385	5-6		9.95
4466	1906 Aug. 7	17430	3-4		9.02
4522	1906 Aug. 23	17446	4-5		9.38
4565	1906 Sept. 11	17465	7-8		10.36
4607	1906 Oct. 6	17490	10		11.29

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30

SOut ✓

Plate	Date	J.D.	Estimate	Remarks	✓
AM 4686	1906 Nov. 13	17528	n.s.	10 seen	]11.29
4727	1906 Dec. 17	17562	n.s.	8 "	]10.46
4881	1907 May 31	17727	4-5		9.38
4903	1907 June 5	17732	=6		9.86
4985	1907 July 9	17766	n.s.	10 seen	]11.29
5043	1907 Aug. 4	17792	n.s.	8 "	]10.46
5049	1907 Aug. 5	17793	n.s.	10 "	]11.29
5141	1907 Sept. 14	17833	n.s.	12 "	]12.34
5150	1907 Sept. 16	17835	n.s.	14 "	]12.24
5201	1907 Oct. 15	17864	n.s.	8 "	]10.46
5230	1907 Oct. 30	17879	n.s.	8"	]10.46
5255	1907 Nov. 14	17894	n.s.	8"	]10.46
5531	1908 June 5	18098	n.s.	8"	
5555	1908 June 9	18102	n.s.	11"	
5584	1908 June 19	18112	n.s.	10 "	
5654	1908 July 9	18182	n.s.	8"	
5711	1908 Aug. 1	18155	n.s.	12"	
5721	1908 Aug. 3	18157	n.s.	11"	
5800	1908 Sept. 6	18191	2-3		8.58
6185	1909 May 29	18456	4-3		9.12
6218	1909 June 12	18470	3-4		9.02
6301	1909 June 28	18486	4-5		9.38
6371	1909 July 17	18506	7-8		10.36
6487	1909 Aug. 4	18523	8-9		10.65
6450	1909 Aug. 11	18529	n.s.	9 seen	
6637	1909 Oct. 7	18587	n.s.	10 "	
6648	1909 Oct. 9	18589	n.s.	8 "	
6714	1909 Oct. 24	18604	n.s.	8"	
6756	1909 Nov. 5	18616	n.s.	8"	
6999	1910 June 5	18828	n.s.	7"	

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S Oct ✓

Plate	Date	J. D.	Estimate	Remarks	
AM 7073	1910 July 3	18856	n.s.	7 seen faintly	
7193	1910 Aug. 6	18890		trailed stars	
7198	1910 Aug. 8	18892	n.s.	8 seen	
7211	1910 Aug. 14	18898	n.s.	10 "	
7229	1910 Aug. 28	18912	n.s.	8 "	
7289	1910 Sept. 9	18924	n.s.	10 " faintly	
7305	1910 Sept. 23	18938	n.s.	8 "	
7316	1910 Oct. 2	18947	n.s.	8 "	
7333	1910 Nov. 8	18984	4-5		9.38
10836	1915 July 17	20696	n.s.	10 seen	
10842	1915 July 18	20697	n.s.	7 "	
10853	1915 July 25	20704	n.s.	7 "	
11098	1915 Sept. 7	20748	8-9		10.56
11124	1915 Sept. 10	20751	n.s.	5 seen	
11159	1915 Sept. 14	20754	n.s.	8 "	
11272	1915 Sept. 27	20767	2-3		8.58
11420	1915 Nov. 4	20806	2-3		8.58
11467	1915 Nov. 15	20817	4-3		9.12
12130	1916 July 3	21048	4-5		9.58
12146	1916 July 5	21050	5-4		9.78
12260	1916 July 24	21069	4-5		9.38
12430	1916 Sept. 18	21125	n.s.	7 seen	
12444	1916 Sept. 19	21126	n.s.	4 "	
12478	1916 Sept. 21	21128	n.s.	4 "	
12747	1916 Nov. 1	21169	n.s.	12 " faintly	
13444	1917 July 27	21437	n.s.	4 " "	
13570	1917 Sept. 7	21479	n.s.	7 " "	
14390	1918 Sept. 8	21845	2-3		8.58
14433	1918 Sept. 24	21861		too light	
14436	1918 Sept. 25	21862	5-4		9.78

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Plate	Date	J.D.	Estimate	Remarks
AM 15018	1919 Sept. 22	22224	n.s.	7 seen
15308	1920 July 14	22520	n.s.	7 "
15477	1920 Sept. 9	22577	n.s.	4 "
15553	1920 Nov. 8	22637	n.s.	4 "
AX 519 (-75 / 18.0 2m)	1924 May 8	23914	= 5	
551	1924 May 24	23930	8-7	
581	1924 June 3	23940	7-8	
625	1924 June 25	23962	10-11	
683	1924 July 5	23972	12-13	
731	1924 July 30	23997	n.s.	15 seen faintly
767	1924 Aug. 23	24021	n.s.	15 "
820	1924 Sept. 20	24049	n.s.	15 "
863	1924 Oct. 16	24075	n.s.	15 "
1099	1925 May 28-29	24300	n.s.	15 "
1159	1925 June 17-18	24320	n.s.	15 "
1208	1925 June 26-27	24329	n.s.	15 "
1224	1925 July 20-21	24353	n.s.	15 "
1266	1925 Aug. 8-9	24372	n.s.	15 "
1619	1926 May 11-12	24648	10-9	
1653	1926 May 19-20	24656	7	
1693	1926 June 12-13	24680	3-2	
1750	1926 July 8-9	24706	4-3	
1807	1926 July 31 / Aug. 1	24729	7	
1824	1926 Aug. 4-5	24734	8-9	
1856	1926 Aug. 27-28	24762	12-11	
1926	1926 Sept. 29-30	24789	n.s.	14 seen
1952	1926 Oct. 11-12	24801	n.s.	14 "
2049	1927 Oct. 29-30	44819	8-9	

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R Octantis Sequence on B 49520

055686

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 3304	1905 Jan. 9	16855	d - e		7.95	
3319	1905 Jan. 12	16858	d - e		7.95	
3393	1905 Mar 24	16929	m - l		10.02	
3401	1905 Mar. 27	16932	l - m		9.94	
3446	1905 Apr. 7	16943	m		10.20	
3502	1905 May 9	16975	l - m		9.94	
3606	1905 June 9	17006	n. s.	p seen	[11.47]	
3650	1905 June 21	17018	n. s.	p seen	[11.47]	
3845	1905 Sept. 5	17094	n. s.	p seen	[11.47]	
3885	1905 Sept. 16	17105	n. s.	p. " faintly	[11.47]	
3938	1905 Oct. 6	17125	n. s.	o "	[11.02]	
3975	1905 Nov. 14	17164	n. s.	o "	[11.02]	
4050	1906 Jan. 26	17237 ✓	h - k		9.33	
4062	1906 Jan. 27	17238	h - k		9.33	
4148	1906 Mar. 27	17297	h - k		9.33	
4191	1906 April 28	17329	l - m		9.94	
4213	1906 May 10	17341 ✓	n. s.	m seen	[10.20]	
4309	1906 June 14	17376 ✓	n. s.	l "	[9.85]	
4328	1906 June 16	17378 ✓	n. s.	l "	[9.85]	
4356	1906 June 29	17391 ✓	n. s.	l "	[9.85]	
4359	1906 June 29	17391 ✓	n. s.	l "	[9.85]	
4360	1906 June 30	17392 ✓	n. s.	o "	[11.02]	
4383	1906 July 10	17402 ✓	n. s.	l "	[9.85]	
4387	1906 July 11	17403 ✓	n. s.	l "	[9.85]	
4403	1906 July 13	17405 ✓	n. s.	l "	[9.85]	
4445	1906 July 27	17419 ✓	n. s.	l "	[9.85]	
4491	1906 Aug. 10	17433 ✓	n. s.	m "	[10.20]	
4505	1906 Aug. 20	17443 ✓	n. s.	l "	[9.85]	

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R Oct.

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 4547	1906 Sept. 5	17459 ✓	n.s.	l seen	[9.85]	
4589	1906 Sept. 21	17475 ✓	n.s.	n "	[10.60]	
4666	1906 Oct. 23	17507 ✓	n.s.	n "	[10.60]	
4703	1906 Nov. 16	17531 ✓	n.s.	l "	[9.85]	
4716	1906 Nov. 26	17541 ✓	n.s	o "	[11.02]	
4736	1907 Jan. 3	17579 ✓	n.s.	l "	[9.85]	
4785	1907 April 25	17691 ✓	e-f		8.34	
4786	1907 April 26	17692 ✓	e-d		7.64	
4816	1907 May 9	17705 ✓	g-h		8.99	
4833	1907 May 14	17711 ✓	h-k		9.41	
4918	1907 June 11	17738 ✓	l-m		10.02	
4936	1907 June 17	17754 ✓	m		10.20	
4947	1907 June 29	17756 ✓	n.s.	l seen	[9.85]	
4936	1907 July 2	17759 ✓	m-l		10.11	
4999	1907 July 15	17772 ✓	n.s.	m seen	[10.20]	
5020	1907 July 28	17785 ✓	n.s.	n "	[10.60]	
5027	1907 July 31	17788 ✓	n.s.	l "	[9.85]	
5076	1907 Aug. 17	17805 ✓	n.s.	m "	[10.20]	
5123	1907 Sept. 3	17822 ✓	n.s	o "	[11.02]	
5183	1907 Sept. 13	17832 ✓	n.s	m "	[10.20]	
5154	1907 Sept. 16	17835 ✓	n.s.	n "	[10.60]	
5178	1907 Sept. 29	17848 ✓	n.s	m "	[10.20]	
5225	1907 Oct. 23	17872 ✓	n.s.	l "	[9.85]	
5256	1907 Nov. 14	17894 ✓	n.s.	m "	[10.20]	
5269	1908 Jan. 7	17948 ✓		too faint		
5380	1908 April 9	18041 ✓	f-e		8.51	
5393	1908 April 22	18054 ✓	e-f		8.34	
5397	1908 April 22	18054 ✓	e-f		8.34	
5483	1908 May 20	18082 ✓	f-l		8.51	
5490	1908 May 22	18084 ✓	f-g		8.68	

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R. Oct.

Plate	Date	J.D.	Estimate	Remarks	M_1	M_2
AM 5565	1908 June 16	18109 ✓	k-h		9.49	
5578	1908 June 19	18112 ✓	k-h		9.49	
5587	1908 June 21	18114 ✓	k-h		9.33	
5641	1908 July 7	18130 ✓	k-l		9.64	
5646	1908 July 8	18131 ✓	l-m		9.94	
5692	1908 July 26	18149 ✓	n.s.	l seen	[9.85	
5732	1908 Aug. 5	18159 ✓	n.s.	l "	[9.85	
5808	1908 Sept. 12	18197 ✓	n.s.	l "	[9.85	
5812	1908 Sept. 12	18197 ✓	n.s.	l "	[9.85	
5836	1908 Sept. 17	18202 ✓	n.s.	m "	[10.20	
5848	1908 Sept. 22	18207 ✓	n.s.	l "	[9.85	
5856	1908 Sept. 24	18209 ✓	n.s.	o "	[11.02	
5861	1908 Sept. 29	18214 ✓	n.s.	m "	[10.20	
5914	1908 Nov. 24	18270 ✓	n.s.	l "	[9.85	
5921	1908 Nov. 28	18274 ✓	n.s.	m "	[10.20	
6001	1909 Mar. 28	18394 ✓	n.s.	m "	[10.20	
6009	1909 March 29	18395 ✓	n.s.	m "	[10.20	
6054	1909 Apr. 23	18420 ✓	n.s.	l "	[9.85	
6077	1909 Apr. 30	18427 ✓	n.s.	l "	[9.85	
6097	1909 May 8	18435 ✓	k-h		9.49	
6115	1909 May 11	18438 ✓	h-g		9.16	
6128	1909 May 14	18441 ✓	g-h		9.07	
6135	1909 May 15	18442 ✓	g-h		8.99	
6155	1909 May 23	18450 ✓	e-f		8.42	
6187	1909 May 30	18457 ✓	d-e		7.95	
6220	1909 June 13	18471 ✓	d-e		7.95	
6270	1909 June 22	18480 ✓	c-d		7.71	
6286	1909 June 25	18483 ✓	d-c		7.78	
6297	1909 June 27	18485 ✓	c-d		7.64	
6306	1909 June 29	18487 ✓	d-c		7.78	

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R Oct.

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 6330	1909 July 9	18497 ✓	e-d		8.15	
6359	1909 July 15	18503 ✓	h-g		9.16	
6364	1909 July 16	18504 ✓	f-g		8.68	
6399	1909 July 23.	18511 ✓	h-k		9.33	
6403	1909 July 24	18512 ✓	h-g		9.16	
6413	1909 July 25	18513 ✓	h-g		9.16	
6417	1909 July 26	18514 ✓	g-h		8.99	
6421	1909 July 28	18516 ✓	n.s.	c seen - plate faint	[9.57	
6428	1909 July 29	18517 ✓	"	" "	[9.57	
6499	1909 Aug. 21	18540 ✓	l		9.85	
6506	1909 Aug. 22	18541 ✓	n.s.	k seen	9.57	
6570	1909 Sept. 10	18560 ✓	l-m		10.02	
6578	1909 Sept. 11	18561 ✓	l-m		10.02	
6611	1909 Sept. 20	18570 ✓	n-m		10.40	
6616	1909 Sept. 23	18573 *	n.s.	m seen	[10.20	
6624	1909 Sept. 24	18574 *	n.s.	m "	[10.20	
6683	1909 Oct. 17	18597 *	n.s.	l "	[9.85	
6707	1909 Oct. 23	18603 ✓	n.s.	m " faintly	[10.20	
6718	1909 Oct. 25	18605 *	n.s.	k "	[9.57	
6720	1909 Oct. 25	18605 * ✓	n.s.	n "	[10.60	
6744	1909 Nov. 3	18614	n.s.	o " faintly.	[11.02	
6762	1909 Nov. 6	18617 ✓	n.s.	l "	[9.85	
6781	1909 Nov. 19	18630 ✓	n.s.	c seen, plate faint	[9.57	
6873	1910 Apr. 7	18769 ✓	n.c.	k seen	[9.57	
6891	1910 Apr. 18	18780 ✓	n.s.	l "	[9.85	
6928	1910 May 26	18818 ✓	n.s.	l "	[9.85	
6960	1910 May 31	18823 ✓	n.s.	l "	[9.85	
6990	1910 June 4	18827 ✓	n.s.	l "	[9.85	
7043	1910 June 27	18850 ✓	k-h		9.41	
7044	1910 June 28	18851 *	n.s.	k seen	[9.57	

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R Oct,

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 7098	1910 July 8	18861 ✓	e(-f)		8.25	8.34
7103	1910 July 9	18862 ✓	f-g(-e)		8.68	8.51
7114	1910 July 11	18864 ✓	d-e		7.95	
7137	1910 July 16	18869 ✓	d-e(-e)		7.78	7.95
→ 7197	1910 Aug. 8	18892 ✓	(h) g-k		9.57	8.99
7210	1910 Aug 14	18898 ✓	k-l(-l)		9.64	9.49
7270	1910 Sept. 4	18919 ✓	k-l		9.71	
7285	1910 Sept. 9	18924 ✓	l-m		10.02	
7290	1910 Sept. 9	18924 ✓	n.s.	l seen faintly	[9.85	
7326	1910 Oct. 11	18956 ✓	n.s.	l "	[9.85	
7335	1910 Nov. 8	18984 ✓	n.s.	l "	[9.85	
7339	1910 Nov. 8	18984 ✓	n.s.	k "	[9.57	
7361	1910 Dec. 23	19029 ✓	n.s.	k "	[9.57	
7368	1911 Feb. 27	19095 ✓	n.s.	k " faintly	[9.57	
7372	1911 March 18	19114 ✓	n.s.	k "	[9.57	
7388	1911 April 10	19137 ✓	n.s.	l "	[9.85	
7395	1911 April 22	19149 ✓	n.s.	l "	[9.85	
7417	1911 May 20	19177 ✓	n.s.	l "	[9.85	
7425	1911 May 23	19180 ✓	l?		9.85?	
7429	1911 May 23	19180 ✓	n.s.	k seen	[9.57	
7431	1911 May 24	19181 ✓	n.s.	l "	[9.85	
7440	1911 June 8	19196 ✓	n.s.	k "	[9.57	
7448	1911 June 11	19199 ✓	n.s.	k "	[9.57	
7446	1911 June 13	19201 ✓	n.s.	l "	[9.85	
7451	1911 June 15	19203 ✓	n.s.	l "	[9.85	
7470	1911 June 23	19211 ✓	n.s.	k "	[9.57	
7490	1911 June 26	19214 ✓	n.s.	k "	[9.57	
7491	1911 June 26	19214 ✓	n.s.	e "	[8.25	
7516	1911 July 5	19223 ✓	n.s.	m "	[10.20	
7528	1911 July 7	19225 ✓	n.s.	l "	[9.85	

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R Oct.

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 7531	1911 July 7	19225 ×	n. s.	k seen	[9.57	
7543	1911 July 14	19232 ×	n. s	l "	[9.85	
7547	1911 July 15	19233 ×	n. s.	l "	[9.85	
7559	1911 July 16.	19234 ×	n. s.	l "	[9.85	
7563	1911 July 17	19235 ×	n. o.	l "	[9.85	
7564	1911 July 17	19235 ✓	l-m		9.94	
7578	1911 July 19	19237 ×	n. o.	l "	[9.85	
7588	1911 July 21	19239 ×	n. o.	k "	[9.57	
7601	1911 July 22	19240 ×	n. o.	k "	[9.57	
7614	1911 July 24	19242 ✓	l-k		9.41	
7619	1911 July 27	19245 ✓	k-l		9.49	
7637	1911 Aug. 2	19251 ✓	e-f		8.34	
7649	1911 Aug. 4	19253 ✓	e		8.25	
7663	1911 Aug. 5	19254 ✓	d-e		7.95	
7671	1911 Aug. 12	19261 ✓	e-d		8.15	
7681	1911 Aug. 15	19264 ✓	d-c		7.78	
7718	1911 Aug. 26	19275 ✓	d-c		7.71	
7748	1911 Sept. 14	19294 ✓	d-c		7.78	
7755	1911 Sept. 15	19295 ✓	e-f		8.34	
7773	1911 Sept. 18	19298 ✓	f		8.60	
7778	1911 Sept. 18	19298 ✓	f-g		8.68	
7787	1911 Sept. 19	19299 ✓	e		8.25	
7811	1911 Sept. 22	19302 ✓	g-f		8.83	
7817	1911 Sept. 22	19302 ✓	g		8.90	
7823	1911 Sept. 23	19303 ✓	e-f		8.34	
7829	1911 Sept. 25	19305 ✓	f-g		8.68	
7846	1911 Oct. 2	19312 ✓	f-g		8.75	
7847	1911 Oct. 2	19312 ✓	e-f		8.34	
7871	1911 Oct. 14	19324 ✓	h-g		9.16	
7872	1911 Oct. 14	19324 ✓	h-k		9.49	

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R Oct,

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 7892	1911 Oct. 17	19427 ✓	k		9.57	
7908	1911 Oct. 23	19433 ✓	k-l		9.71	
7915	1911 Oct. 24	19434 ✓	k-l		9.64	
7925	1911 Oct. 26	19436 ✓	k-l		9.41	
7995	1911 Dec. 27	19398 ✓	n.s.	l seen	[9.85	
7996	1911 Dec. 27	19398 *	n.s.	l "	[9.85	
8001	1912 Jan. 28	19430 ✓	n.s.	k "	[9.57	
8020	1912 Feb. 25	19458 ✓	n.s.	l "	[9.85	
8030	1912 Mar. 12	19474 ✓	n.s.	k " faintly	[9.57	
8043	1912 Apr. 7	19500 ✓	n.s.	g seen	[8.90	
8051	1912 April 12	19505 *		trailed stars	X	
8059	1912 April 16	19509 ✓	n.s.	k seen	[9.57	
8085	1912 April 19	19512 *	n.s.	e "	[8.25	
8106	1912 April 23	19516 ✓	n.s.	k "	[9.57	
8126	1912 April 26	19519 *	n.s.	k "	[9.57	
8133	1912 May 3	19526 ✓	n.s.	k "	[9.57	
8156	1912 May 8	19531 *	n.s.	d "	[7.85	
8172	1912 May 10	19533 *	n.s.	k "	[9.57	
8219	1912 May 21	19544 ✓	n.s.	k "	[9.57	
8234	1912 May 23	19546 *	n.s.	k "	[9.57	
8238	1912 May 23	19546 *	n.s.	g " faintly	[8.90	
8251	1912 May 25	19548 ✓	n.s.	l "	[9.85	
8260	1912 May 25	19548 *	n.s.	k "	[9.57	
8270	1912 June 2	19556 ✓	n.s.	k "	[9.57	
8281	1912 June 4	19558 *	n.s.	k " faintly	[9.57	
8317	1912 June 10	19564 *		trailed stars	X	
8331	1912 June 12	19566 *	n.s.	k seen	[9.57	
8336	1912 June 14	19568 *	n.s.	k "	[9.57	
8366	1912 June 18	19572 ✓	n.s.	m "	[10.20	
8379	1912 June 22	19576 ✓	n.s.	n "	[10.60	

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Rect.

Plate	Date	J. D.		Estimate	Remark	m_1	m_2
AM 8386	1912 June 24	19578	x	n. o.	k seen	[9.57	
8402	1912 July 6	19590	✓	n. o.	k "	[9.57	
8432	1912 July 10	19594	x	n. s.	k seen	[9.57	
8446	1912 July 12	19596	x		plate too faint	X	
8449	1912 July 13	19597	✓	n. o.	k seen	[9.57	
8469	1912 July 16	19600	x	n. o.	k seen	[9.57	
8466	1912 July 16	19600	x	n. o.	k "	[9.57	
8479	1912 July 18	19602	x	n. o.	k "	[9.57	
8502	1912 July 22	19606	x	n. o.	k "	[9.57	
8504	1912 July 22	19606	✓	n. o.	o "	[11.02	
8510	1912 July 23	19607	x	n. o.	k "	[9.57	
8513	1912 July 30	19614	✓	n. o.	m "	10.20	
8540	1912 Aug. 4	19619	✓	n. o.	k "	[9.57	
8560	1912 Aug. 17	19632	✓	n. o.	k "	[9.57	
8585	1912 Aug. 31	19647	✓	k-g		9.33	
8612	1912 Sept. 7	19653	✓	d-e		7.85	
8614	1912 Sept. 9	19655	✓	d-c		7.78	
8620	1912 Sept. 10	19651	✓	c-d		7.64	
8645	1912 Sept. 16	19662	✓	d-e		7.95	
8650	1912 Sept. 17	19663	✓	c-d		7.64	
8678	1912 Oct. 2	19678	✓	c-d		7.71	
8680	1912 Oct. 2	19678	✓	d-c		7.95	
8831	1913 Apr. 24	19882	✓	n. s	k seen	[9.57	
8865	1913 May 5	19893	✓	n. o.	k "	[9.57	
8886	1913 May 8	19896	x	n. s.	k "	[9.25	
8895	1913 May 10	19898	✓	n. o.	k "	[9.57	
[8898	1913 May 10	19898	x		double exposure]	X	
8916	1913 May 15	19903	x	n. s.	k seen	[9.57	
8958	1913 May 27	19915	x	n. o.	k "	[9.57	
8960	1913 May 27	19915	✓	"	k "	[9.57	

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ROct.

Plate	Date	J.D.	Estimate	Remarks	M_1	M_2
AM9036	1913 June 9	19928	n.s.	k seen	[9.57	
9041	1913 June 9	19928	n.s.	k "	[9.57	
9045	1913 June 10	19929	n.s.	m "	[0.20	
9047	1913 June 10	19929	n.s.	m "	[0.20	
9050	1913 June 10	19929	n.s.	k "	[9.57	
9078	1913 June 13	19932	n.s.	k "	[9.57	
9122	1913 June 27	19946	n.s.	k "	[9.57	
9127	1913 June 28	19947	n.s.	k "	[9.57	
9161	1913 July 3	19952	n.s.	k "	[9.57	
9256	1913 July 26	19975	n.s.	k " faintly	[9.57	
9274	1913 July 29	19978	n.s.	k " "	[9.57	
9307	1913 Aug. 5	19985	n.s.	k " "	[9.57	
9311	1913 Aug 6	19986		Poor exposure	X	
9394	1913 Sept. 2	20013	n.s.	g seen	[8.90	
9423	1913 Sept 6	20017	n.s.	k. seen	[9.57	
9426	1913 Sept. 6	20017	n.s.	k "	[9.57	
[9464	1913 Sept. 18	20029		trailed stars]	X	
9643	1913 Dec. 1	20103	g-k		8.99	
9847	1914 June 10	20294	n.s.	k seen	[9.57	
9853	1914 June 11	20295	n.s.	k "	[9.57	
9871	1914 June 16	20300	n.s.	l "	[9.85	
9916	1914 July 1	20315	n.s.	l "	[9.85	
9917	1914 July 1	20315	n.s.	l "	[9.85	
9952	1914 July 18	20332	n.s.	n " faintly	[10.60	
9964	1914 July 21	20335	n.s.	l "	[9.85	
10057	1914 Aug. 14	20359	n.s.	k "	[9.57	
10059	1914 Aug 14	20359	n.s.	k "	[9.57	
10063	1914 Aug 15	20360	n.s.	k "	[9.57	
10064	1914 Aug 15	20360	n.s.	k "	[9.57	
10119	1914 Sept 13	20389	n.s.	k "	[9.57	

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R Oct.

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 10139	1914 Sept. 17	20399	n. s	k seen	[9.57	
10321	1915 Mar. 4	20561	l - m		9.94	
10676	1915 June 13	20662	n, s,	k seen	[10.60	
10792	1915 July 12	20691	n. s.	k "	[9.57	
11070	1915 Aug. 28	20738	n. s	m "	[0.20	
11116	1915 Sept. 9	20750	n. s,	m "	[0.20	
11174	1915 Sept. 16	20757	n, s,	k "	[9.57	
11322	1915 Oct. 5	20776	n, s	n "	[0.60	
11398	1915 Oct. 28	20799	n, s.	n "	[0.60	
11415	1915 Nov. 3,	20805	n, s.	m "	[0.20	
11461	1915 Nov. 14	20816	n, s.	n "	[0.60	
11477	1915 Dec. 3	20835	n. s	l "	[9.85	
11784	1916 May 23	21007	n, s.	l "	[9.85	
11881	1916 June 2	21017	n. s.	k "	[9.57	
11893	1916 June 4	21019		Plate faint	X	
11919	1916 June 7	21019	n. s.	k seen	[9.57	
12251	1916 July 23	21068	n. s.	l "	[9.85	
12445	1916 Sept. 19	21126	n. s.	k "	[9.57	
12494	1916 Sept. 23	21130	n. s.	e "	[8.25	
12510	1916 Sept. 28	21135	n, s.	k "	[9.57	
12515	1916 Sept. 28	21135	n, s.	k "	[9.57	
12586	1916 Oct. 14	21151	n, s.	m "	[0.20	
12618	1916 Oct. 18	21155	n, s	m "	[0.20	
12641	1916 Oct. 20	21157	n, s.	m "	[0.20	
12657	1916 Oct. 22	21159	n, s.	n "	[0.60	
12739	1916 Oct. 31	21168	n, s,	k "	[9.57	
12783	1916 Nov. 19	21187	n. s	m "	[0.20	
12829	1916 Dec. 19	21217	n, s,	k "	[9.57	
13571	1917 Sept. 7	21479	n. s.	m "	[0.20	
13608	1917 Sept. 18	21490	n. s.	l "	[9.85	

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R Oct.

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 13670	1917 Oct. 11	21513	n. s.	m seen	[10.20	
14255	1918 Aug. 2	21808	n. o.	l "	[9.85	
14442	1918 Sept. 27	21864	m (?)		10.20	
14477	1918 Oct. 2	21869	m-n(?)		10.40	
14962	1919 Aug. 26	22197	k-k		9.33	
15003	1919 Sept. 18	22220	n. s.	g seen	[8.90	
15081	1920 March 17	22401	n. s.	m "	[10.20	
15194	1920 May 18	22402	n. s.	l "	[9.85	
15195	1920 May 19	22403	n. s.	l "	[9.85	
15196	1920 May 20	22404	n. s.	m "	[10.20	
15197	1920 May 21	22405	n. s.	m "	[10.20	
15199	1920 March 22	22406	n. s.	m "	[10.60	
15200	1920 May 23	22407	n. s.	m "	[10.20	
15401	1920 Aug. 10	22547	k (?)		9.57?	
15441	1920 Aug. 19	22556	n. s.	f seen	[8.60	
15479	1920 Sept. 9	22577	n. s.	m "	[10.20	
15538	1920 Oct. 11	22609	n. s.	l "	[9.85	
15543	1920 Nov. 1	22630	n. s.	k "	[9.57	
15555	1920 Nov. 8	22639	n. s.	k "	[9.57	
15536	1920 Dec. 1	22660	n. s.	k "	[9.57	
AX 494 [90]	1924 May 1	23907	n-o		10.81	
576	1924 June 2	23939	n. s.	o seen	[11.02	
634	1924 June 26	23963	n. s.	o "	[11.02	
693	1924 July 8	23975	n. s.	o "	[11.02	
736	1924 July 30	23997	n. s.	f "	[11.47	
766	1924 Aug. 23	24021	n. o.	o "	[11.02	
813	1924 Sept. 16	24045	n. s.	n "	[10.60	
883	1924 Oct. 24	24083	n		10.60	
959	1924 Dec. 26	24146	g-f		8.83	
1033	1925 April 30-May 1	24272	n. s.	n seen	[10.60	

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Rot.

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AX 1059	1925 May 18-19.	24290 ✓	n. s.	φ seen	[11.47	
1097	1925 May 28-29	24300 ✓	n. s.	0 seen	[11.02	
1152	1925 June 16-17	24819 ✓	n. s.	φ "	[11.47	
1195	1925 June 25-26	24328 ✓	n. s.	φ "	[11.47	
1249	1925 July 27-28	24860 ✓	n. s.	n "	[11.60	
1283	1925 Aug 15-16	24379 ✓	n. s.	0 "	[11.02	
1325	1925 Sept. 12-13	24407 ✓	n. s.	φ "	[11.47	
1419	1925 Dec. 12-13	24498 ✓	n-m		10.50	
1441	1925 Dec 21-22	24507 ✓	n-0		10.71	
1480	1926 Jan 11-12	24528 ✓	g-h		8.99	
1549	1926 Feb. 18-19	24561 ✓	e-f		8.34	
1614	1926 May 10-11	24647 ✓	m-n		10.30	
1662	1926 May 31 June 1	24668 ✓	n-0		10.71	
1688	1926 June 11-12	24679 ✓	n-0		10.71	
1721	1926 June 30 July 1	24698 ✓	0-φ		11.13	
1749	1926 July 8-9	24707 ✓	φ		11.47	
1827	1926 Aug. 5-6	24734 ✓	0-φ		11.13	
1901	1926 Sept. 10-11	24770 ✓	n. s.	φ seen	[11.47	
1964	1926 Oct. 14-15	24794 ✓	n. s.	φ "	[11.47	
2006	1927 Sept. 26-27	25151 ✓	n. s.	n "	[11.60	
2034	1927 Oct 23-24	25178 ✓	n. s.	φ "	[11.47	
2090	1927 Nov. 26-27	25212 ✓	n. s.	φ "	[11.47	
2146	1928 Jan. 27-28	25274 ✓	0-n		10.92	
2188	1928 Feb. 23-24	25301 ✓	n-0		10.71	
2241	1928 Mar. 23-24	25330 ✓	m-l		10.02	
2259	1928 Apr. 18-19	25356 ✓	d-e		7.95	
AM - {R.A. 4hr. Dec. -75°						
3991	1905 Nov. 24	17174 ✓	n. s.	n seen	[10.60	
7779	1911 Sept. 18.	19298 ✓	e-f		8.34	
7816	1911 Sept. 22	19302 ✓	f-g		8.68	

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R Oct.

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 7869	1911 Oct. 13	19323 ✓	e-f		8.34	
7916	1911 Oct. 24	19334 ✓	h-k		9.33	
7988	1911 Dec. 26	19397 ✓	n.s.	e seen	[8.25	
7997	1911 Dec. 27	19398 ✓	n.s.	g seen	[8.90	
8002	1912 Jan. 29	19431 ✓	n.s.	k "	[9.57	
8011	1912 Feb. 18	19451 ✓	n.s.	f "	[8.60	
8776	1912 Dec. 12	19749 ✓	n.s.	e "	[8.25	
8800	1913 Feb. 5	19804 ✓	n.s.	e "	[8.25	
9383	1913 Aug. 30	20010 ✓	n.s.	k " faintly	[9.57	
9514	1913 Sept. 28	20039 ✓	n.s.	k "	[9.57	
9608	1913 Nov. 20	20092 ✓	n.s.	(poor quality) e seen	[8.92	
9639	1913 Nov. 30	20102 ✓	n.s.	d seen	[7.80	
9684	1914 Feb. 23	20187 ✓	n.s.	k " faintly	[9.57	
10131	1914 Sept. 15	20391 ✓	n.s.	k seen	[9.57	
10220	1914 Oct. 22	20428 ✓	n.s.	n "	[10.60	
10276	1914 Nov. 11	20448 ✓	n.s.	l " faintly	[9.85	
10307	1914 Dec. 18	20485 ✓	e-f		8.34	
10311	1914 Dec. 19	20486 ✓	n.s.	(Poor quality) e seen	[8.25	
11020	1915 Aug. 17	20727 ✓	n.s.	k seen	[9.57	
11299	1915 Oct. 3	20774 ✓	n.s.	k "	[9.57	
11539	1916 Mar. 8	20931 ✓	f-g?		8.68	
11577	1916 Mar. 28	20951 ✓	k-k		9.49	
11588	1916 Mar. 30	20953 ✓	k		9.25	
12453	1916 Sept. 19	21126 ✓	n.s.	e seen	[8.25	
12474	1916 Sept. 20	21127 ✓	n.s.	f seen	[8.60	
12606	1916 Oct. 17	21154 ✓	n.s.	k "	[9.57	
12643	1916 Oct. 20	21157 ✓	n.s.	m "	[10.20	
12670	1916 Oct. 23	21160 ✓	n.s.	l "	[9.85	
12741	1916 Oct. 31	21168 ?	k-k		9.49	
12809	1916 Dec. 4	21202 ✓	n.s.	k "	[9.57	

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R Cet.

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 12842	1916 Dec. 22	21190	n. s.	k seen	[9.57	
13656	1917 Oct. 7	21509	n. s.	m "	[10.20	
13737	1917 Dec. 3	21566	n. s.	g "	[8.90	
13966	1917 Dec. 14	21577	n. s.	l "	[9.85	
14471	1918 Oct. 1	21868	n. s.	l "	[9.85	
14541	1918 Oct. 27	21894	n. s.	Poor quality	X	
14943	1919 Aug. 21	22192	k-h		9.49	
→ 15051	1919 Oct. 28	22260	n. s.	l seen	[9.85	
15546	1920 Dec. 6	22299	n. s.	g "	8.90	
R.A. = 6.00 Dec = -25						
AM 3324	1905 Jan. 13	16859	d-c		7.78	
3361	1905 Mar. 1	16906	h-g		9.16	
3364	1905 Mar. 3	16918	n, s.	e seen	[8.25	
3474	1905 Aug. 24	16960	m-n		10.40	
3807	1905 Aug. 18	17076	n. s.	m seen	[10.20	
3831	1905 Aug. 28	17081	n, s.	n seen	[10.60	
3871	1905 Sept. 8	17097	n s.	m "	[10.20	
3916	1905 Sept. 28	17117	n. s.	m "	[10.20	
3935	1905 Oct. 5	17124	n, s.	m "	[10.20	
3992	1905 Nov. 24	17174	n s.	m "	[10.20	
4067	1906 Jan. 29	17240	k		9.57	
4619	1906 Oct. 10	17494	n. s.	m "	[10.20	
4665	1906 Oct. 23	17507	n, s.	n seen	[10.60	
4667	1906 Oct. 23	17507	n. s.	e seen	[11.02	
4709	1906 Nov. 17	17532	n, s.	n "	[10.60	
5163	1907 Sept. 17	17836	n. s.	l "	[9.85	
6191	1907 Oct. 7	17856	n. s.	m "	[10.20	
5378	1908 Apr. 9	18062	g-h		8.99	
5858	1908 Sept. 24	18209	n. s.	k seen	[9.57	
6000	1909 Mar. 27	18393	n. s.	k "	[9.57	

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R Oct.

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 6578	1909 Sept. 17	18567 ×	n. s.	l seen	[9.85	
6674	1909 Oct. 13	18593 ✓	n. s.	l "	[9.85	
6704	1909 Oct 22	18602 ×	n. s.	l "	[9.85	
6728	1909 Oct. 31	18611 ×	n. s.	l "	[9.85	
6759	1909 Nov. 5	18616 ×	n. s.	l "	[9.85	
6804	1909 Dec. 6	18647 ✓	n. s.	m "	[10.20	
6814	1909 Dec. 11	18652 ×	n. s.	m "	[10.20	
7344	1910 Nov. 9	18954 ✓	n. s.	k "	[9.57	
7349	1910 Nov. 21	18966 ✓	n. s.	l "	[9.85	
7359	1910 Dec. 23	19029 ×	n. s.	g "	[8.90	
7364	1911 Feb. 24	19092 ✓	n. s.	g "	[8.90	
9680	1914 Feb. 21	20185 ×		trailed	X	
11163	1915 Sept. 14	20755 ×	n. s.	k seen	[9.57	
11424	1915 Nov. 4	20806 ×	n. s.	k "	[9.57	
11681	1916 May 8	20992	n. s.	k "	[9.57	
11763	1916 May 11	20995	n. s.	l "	[9.85	
12787	1916 Nov. 19	21003	n. s.	l "	[9.85	
12799	1916 Nov. 26	21010	n. s.	l "	[9.85	
13133	1917 May 15	21364 ✓	g-f		8.83	
14559	1918 Nov. 5	21903 ✓	n. s.	e seen	[8.25	
AM 8.00 [-73						
10429	1915, April 18	20606	n. s.	m seen	[10.20	
10475	1915 April 28	20611	n. s.	m "	[10.20	
10482	1915 Apr. 24	20612	n. s.	m "	[10.20	
10607	1915 June 3	20652	n. s.	k "	[9.57	
11326	1915 Oct. 5	20776	n. s.	k "	[9.57	
11624	1916 April 8	20962	n. s.	k "	[9.57	
12634	1916 Oct. 14	20973	n. s.	l "	[9.85	
12830	1916 Dec. 19	21217	n. s.	k "	[9.57	
12854	1916 Dec. 28	21226	n. s.	k "	[9.57	

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R Oct.

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 12871	1917 Feb. 9	21269	e-d		8.15	
13668	1917 Oct. 10	21512	n.s.	k seen	[9.57	
13808	1918 Apr. 3	21687	n.s.	k "	[9.57	
14049	1918 June 11	21723	f-g		8.68	
14055	1918 June 12	21724	g-h		9.07	
14063	1918 June 13	21725	g-h		8.99	
14576	1919 Feb. 16	22006	n.s.	k seen	[9.57	
14628	1919 April 23	22072	n.s.	k "	[9.57	
15090	1920 April 9	22424	n.s.	l "	[9.85	
15111	1920 April 18	22433	n.s.	l'	[9.85	
15125	1920 Apr. 21	22436	n.s	k'	[9.57	
15561	1920 Dec. 10	22669	n.s.	l"	[9.85	
15564	1920 Dec. 11	22670	n.s.	k'	[9.57	
AM -75 10.00hr						
3326	1905 Jan. 13	16859	c-d		7.71	
3358	1905 Feb. 28	16905	g-h		8.75	
3380	1905 Mar. 13	16918	h		9.25	
3454	1905 April 12	16948	n.s.	l seen	[9.45	
3581	1905 June 3	17070	n.s.	m "	[10.20	
3620	1905 June 12	17079	n.s.	l "	[9.85	
4008	1905 Dec. 4	17184	n.s	l "	[9.85	
4060	1906 Jan. 27	17238	h-g		9.07	
4100	1906 Feb. 13	17253	e-d		8.15	
4187	1906 Apr. 28	17329	i-k		9.78	
4264	1906 May 29	17360	n.s.	l seen	[9.85	
4308	1906 June 14	17376	n.s	l "	[9.85	
4730	1906 Dec. 17	17563	n.s.	l "	[9.85	
4756	1907 April 11	17677	n.s	e "	[8.25	
5364	1908 Apr. 5	18037	g-h		8.99	
5406	1908 April 24	18056	d-e		7.95	

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Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 5455	1908 May 9	18071 ✓	g-h		8.99	
5556	1908 June 10	18103 ✓	h-k		9.41	
5985	1909 March 22	18388	n.s.	e seen	[8.25	
6073	1909 April 30	18427	n.s.	m "	[10.20	
6082	1909 May 7	18434 ✓	k		9.85	
6888	1910 April 18	18780	n.s.	b seen	[9.85	
6913	1910 May 7	18799	n.s.	k "	[9.57	
9714	1914 April 16	20239	n.s.	a "	[9.25	
10545	1915 May 5	20623	n.s.	b seen	[9.85	
10837	1915 July 18	20697	n.s.	k "	[9.57	
11519	1916 March 2	20925 ✓	f		8.60	
11654	1916 May 1	20985	n.s.	b seen	[9.85	
11770	1916 May 22	21006	n.s.	k "	[9.57	
12755	1916 Nov. 1	21169	n.s.	k "	[9.57	
12802	1916 Nov. 26	21194	n.s.	k "	[9.57	
12887	1917 Mar. 23	21311 ✓	d-e		7.78	
12917	1917 Mar. 28	21316 ✓	d		7.85	
13406	1917 July 16	21426	n.s.	k seen	[9.57	
13936	1918 May 2	21716 ✓	d		7.85	
14124	1918 July 1	21776	n.s.	k seen faintly	[9.57	
14595	1919 March 31	22049	n.s.	e seen	[8.25	
14680	1919 May 4	22083	n.s.	b "	[9.85	
14737	1919 May 31	22110 ✓	d-e		7.78	R.
15163	1920 May 10	22455	n.s.	k seen	[9.57	
15173	1920 May 12	22457	n.s.	k "	[9.57	
15184	1920 May 14	22459	n.s.	g seen	[8.90	
15186	1920 May 15	22460	n.s.	k "	[9.57	
AM R.A. 11.0						
4813	1907 May 9	17705 ✓	g-h		8.99	
7376	1911 Mar. 27	19123	n.s.	g seen	[8.90	

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R Oct.

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 7385	1911 April 10	19137	n.o.	k seen	[9.57	
7416	1911 May 20	19177	n.o.	k "	[9.57	
7438	1911 June 8	19196	n.o.	l "	[9.85	
7445	1911 June 13	19201	n.o.	k "	[9.57	
7479	1911 June 25	19213	n.o.	e "	[8.25	
7533	1911 July 8	19226	n.o.	k "	[9.57	
7560	1911 July 17	19235	n.o.	h " faintly	[9.25	
8077	1912 April 18	19470	n.o.	k "	[9.57	
8101	1912 April 22	19474	n.o.	e seen	[8.25	
8170	1912 May 10	19583	n.o.	e "	[8.25	
8226	1912 May 22	19545	n.o.	g "	[8.90	
8326	1912 June 12	19566	n.o.	k "	[9.57	
8827	1913 April 28	19881	n.o.	k "	[9.57	
8836	1913 April 29	19883	n.o.	l "	[9.85	
8871	1913 April 30	19888	n.o.	k "	[9.57	
8879	1913 May 1	19889	n.o.	c "	[7.57	
8860	1913 May 4	19892	n.o.	h "	[9.25	
8907	1913 May 11	19899	n.o.	k "	[9.57	
9034	1913 June 8	19927	n.o.	g "	[8.90	
9095	1913 June 24	19943	n.o.	g "	[8.90	
9721	1914 April 20	20243	n.o.	k "	[9.57	
9735	1914 April 25	20248	n.o.	k "	[9.57	
9737	1914 April 26	20249	n.o.	k "	[9.57	
9783	1914 May 25	20278	n.o.	g "	[8.90	
9799	1914 May 29	20282	n.o.	g "	[8.90	
AM R.A. 12.00						
9841	1914 July 15	20329	n.o.	l seen	[9.85	
9850	1914 July 11	20295	n.o.	k "	[9.57	
9968	1914 July 22	20336	n.o.	k "	[9.57	
9993	1914 July 27	20341	n.o.	g "	[8.90	

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ROct.

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 10398	1915 April 8	20596	n.s.	k seen	[9.57	
10418	1915 April 5	20602	n.s.	k "	[9.57	
10494	1915 April 25	20612	n.s.	g "	[8.90	
10599	1915 June 2	20651	n.s.	k "	[9.57	
11522	1916 March 2	20925	n.s.	e "	[8.25	
11553	1916 March 9	20932	n.s.	g "	[8.90	
11601	1916 April 3	20957	n.s.	k "	[9.57	
11609	1916 April 5	20959	n.s.	k faintly	[9.57	
11890	1916 June 4	21019	n.s.	e seen	[8.25	
11951	1916 June 11	21026	n.s.	k seen	[9.57	
12294	1916 Aug. 3	21079	n.s.	g "	[8.90	
12306	1916 Aug. 5	21081	n.s.	k "	[9.57	
12856	1916 Dec. 28	21226	n.s.	k "	[9.57	
12978	1917 April 12	21331	e		8.25	
12991	1917 April 13	21332	e-d		8.15	
13046	1917 April 21	21340	d-e		7.95	
13476	1917 Aug. 6	21477	n.s.	k seen	9.57	
13803	1918 April 2	21686	n.s.	k seen faintly	[9.85	
13833	1918 Apr. 9	21693	n.s.	g seen	[8.90	
13841	1918 Apr. 11	21695	n.s.	k "	[9.57	
13850	1918 Apr. 12	21696	n.s.	k "	[9.57	
14280	1918 Aug. 12	21696	n.s.	k "	[9.57	
14630	1919 Apr. 23	22072	n.s.	k "	[9.57	
14774	1919 June 19	22129	c		7.57	
14883	1919 Aug. 2	22173	g-f		8.83	
14987	1919 Aug. 27	22200	n.s.	k seen faintly	[9.57	
15096	1920 April 10	22425	n.s.	k seen	[9.57	
15234	1920 June 7	22483	n.s.	k "	[9.57	
15251	1920 June 12	22495	n.s.	k seen	[9.57	
15387	1921 April 7	22787	n.s.	e "	[8.25	

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Rect.

Plate	Date	J. D.	Estimate	Remarks	m_1
AX -75 [6.00h]	1928 Jan 23-24	25270	n. s.	ϕ seen	[11.47
2184 [21 45]	1928 Feb. 22-23	25300 ✓	n-m		10.50
2238	1928 Mar. 22-23	25329 ✓	l-m		9.94
476 [R.A. 19.00]	1924 Apr. 25	23901	n. s	○ seen	[11.02
514	1924 May 7	23913	n. s.	○ seen	[11.02
558	1924 May 27	23933	n. s	n "	[10.60
1024	1925 Apr. 21-22	24263	n. s.	○ "	[11.02
1052	1925 May 15-16	24287	n. s.	○ "	[11.02
1074	1925 May 22	24294	n. s.	○ "	[11.02
1452	1925 Dec. 22-23	24508 ✓	m-n		11.40
1500	1926 Jan 15-16	24532 ✓	g-h		8.99
1603	1926 May 6-7	24643 ✓	m		10.20
1643	1926 May 17-18	24654 ✓	l-m		10.02
1691	1926 June 12-13	24680	n. s.	n seen	[10.60
2121	1927 Dec. 30-31	25246 ✓	n-o		10.81
2154	1928 Jan. 28-29	25275 ✓	o-n		10.92
2186	1928 Feb. 22-23	25300 ✓	n		10.60
2199	1928 Feb. 28-29	25306 ✓	n-m		10.50
2234	1928 March 22-23	25329 ✓	m-l		10.11
2278	1928 April 23-24	25361 ✓	e-d		8.15
2365	1928 May 15-16	25383	e-d		8.15
AX 519 [R.A. 18.00]	1924 May 8	23914	n. s.	m seen	[10.20
551	1924 May 24	23930	n. s.	m "	[10.20
581	1924 June 3	23940	n. s	m "	[10.20
625	1924 June 25	23962	n. s.	n "	[10.60
683	1924 July 5	23972	n. s.	n "	[10.60
731	1924 July 30	23997	n. s	n "	[10.60
767	1924 Aug. 23	24021	n. s.	m "	[10.20
820	1924 Sept. 20	24049	n. s	m "	[10.20
863	1924 Oct. 16	24075	n. s.	m "	[10.20

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Plate	Date	J. D.	Estimate	Remarks	m_1
AY 1099	1925 May 28-29	24300	n.s.	n seen	[0.60
1159	1925 June 17-18	24320	n.s.	n "	[0.60
1203	1925 June 26-27	24329	n.s.	n "	[0.60
1224	1925 July 20-21	24353	n.s.	n "	[0.60
1266	1925 Aug 8-9	24372	n.s.	n "	[0.60
1619	1926 May 11-12	24648	n.s.	n "	[0.60?
1653	1926 May 19-20	24656	n.s.	n "	[1.02?
1693	1926 June 12-13	24680	n.s.	n "	[0.60
1750	1926 July 8-9	24706	n.s.	n "	[0.60
1807	1926 July 31 Aug 1	24729	n.s.	n "	[0.60
1824	1926 Aug 4-5	24738	n.s.	n "	[0.60
1856	1926 Aug 27-28	24756	n.s.	n "	[0.60
1926	1926 Sept 29-30	24789	n.s.	n "	[0.20
1952	1926 Oct. 11-12	24801	n.s.	n "	[0.60
2049	1927 Oct 29-30	24819	n.s.	n "	[0.60
6.00 −75					
XM 16130	1922 Oct. 27	23355	g-h		8.99
16164	1923 Feb. 12	23463	n.s.	h seen	[9.57
16883	1923 Mar. 24	23503	n.s.	n "	[0.60
16216	1923 Apr. 23	23563	n.s.	n "	[0.60
16444	1923 Oct. 13	23706	h-g		9.16
16493	1923 Dec. 12	23767 ✓	(e-f)	plate poor	(8.34)
16542	1924 Jan. 8	23793 ✓	f-h		8.99
16571	1924 Jan. 15	23800 ✓	h-b		9.33
16597	1924 Jan. 31	23816 ✓	h		9.25
16623	1924 Feb. 7	23823 ✓	k-l		9.64
1661	1924 Dec 16	24136 ✓	g-f		8.83
1662	1924 Dec. 16	24136 ✓	g-f		8.75
1669	1925 Jan. 11	24162 ✓	e-f		8.34
15581	1921 May 11	22821	n.b.	h seen	[9.57

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R Oct.

Plate	Date	J.D.	Estimate	Remark	m_1 m_2
M 15690	1922 Apr. 19	23164	n. e.	k seen	[9.57
15754	1922 May 5	23180	n. e.	l "	[9.85
15773	1922 May 15	23190	n. e.	k "	[9.57
15897	1922 June 28	23234	n. e.	k "	[9.57
16181	1923 March 10	23489 ✓	n. e.	k "	[9.57
16197	1923 April 2	23522	m-l		10.02
16253	1923 May 8	23548 ✓	n. e.	l seen	9.85
16506	1923 Dec. 30	23784 ✓	k-h		9.49
16545	1924 Jan. 18	23793 ✓	g-h		8.99
16598	1924 Jan. 31	23816	h		9.57
16624	1924 Feb. 7	23823	l-h		9.78
16693	1925 Jan. 13	24164 ✓	f-g		8.68
16712	1926 Feb. 15-16	24198 ✓	l-k		9.78
15605	1921 June 13	22854	n. e.	k seen	[9.57
15939	1922 July 13	23249	n. e.	l "	[9.85
15947	1922 July 14	23250	n. e.	m "	[10.20
15969	1922 July 22	23258	n. e.	m "	[10.20
16037	1922 Aug. 16	23283	n. e.	l "	[9.85
16064	1922 Sept. 9	23307	n. e.	l "	[9.85
16080	1922 Sept. 20	23318	l		9.85
16191	1923 Mar. 27	23506	n. e.	l seen	[9.85
16210	1923 April 19	23529	n. e.	m "	[10.60
16271	1923 May 26	23566	n. e.	m "	[10.20
16344	1923 July 19	23620	n. e.	m "	[10.60
16356	1923 Aug. 8	23640	n. e.	l "	[9.85
16399	1923 Sept. 13	23666	n. e.	m "	[10.20
16452	1923 Oct. 20	23713 ✓	f-e		8.51
16457	1923 Oct. 30	23723 ✓	d-e		7.95
16471	1923 Dec. 13	23767 ✓	e-d		8.15
16472	1923 Dec. 13	23767 ✓	e		8.25

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R Oct.

Plate	Date	J. D.	Estimate	Remark	m_1	m_2
AM 16480	1923 Dec. 15.	23769 ✓	e - d		8.15	
16488	1923 Dec. 18	23772 ✓	e - f		8.34	
16489	1923 Dec. 26	23780 ✓	f - e		8.51	
16543	1924 Jan. 8	23793 ✓	g - h		8.99	
16547	1924 Jan 9	23794 ✓	g - h		9.07	
16626	1924 Feb. 8	23824 ✓	h - l		9.64	
16660	1924 Dec. 16	24136 ✓	f - g		8.68	
16679	1924 Dec. 21	24141 ✓	g		8.90	
16697	1925 Jan. 15	24166 ✓	g - h		8.99	
16714	1925 Feb. 16-17	24199 ✓	h - k		9.33	

Deutsch

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S Pavonis ($19^h 46^m -59$) Sequence on B 47 195.

Plate ✓	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 10270	1914 Nov. 10	20447	d-e		8.85	
10685	1915 June 15	20664	d-c		8.64	
10711	1915 June 19	20668	c-d		8.40	
10724	1915 June 21	20670	d-e		8.85	
10969	1915 Aug 9	20719	c-d		8.64	
10995	1915 Aug. 14	20724	c		8.27	
11006	1915 Aug 16	20726	c-b		8.22	
11292	1915 Oct. 3	20774	c-d		8.40	
11318	1915 Oct. 5	20776	d-c		8.64	
11904	1916 June 6	21021	d-c		8.64	
11928	1916 June 8	21023	c-b		8.22	
11933	1916 June 9	21024	c		8.27	
12305	1916 Aug. 4	21080	c-d		8.64	
12349	1916 Aug. 18	21094	c-b		8.22	
12358	1916 Aug. 19	21095	b-c		8.14	
12588	1916 Oct. 15	21152	c		8.27	
13012	1917 Apr. 15	21334	f-g		9.62	
13256	1917 July 11	21421	d'		8.93	
13313	1917 July 19	21429	d		8.77	
13494	1917 Aug. 10	21451	b-c		8.14	
13518	1917 Aug. 15	21456	d-c		8.64	
13523	1917 Aug. 16	21457	b-c		8.64	
14262	1918 Aug. 4	21810	c		8.27	
14268	1918 Aug. 6	21812	c-d		8.52	
14286	1918 Aug. 12	21818	c		8.27	
14307	1918 Aug. 18	21824	B		7.55	
14927	1919 Aug. 17	22188.	c-d		8.52	
14940	1919 Aug. 21	22192	d-c		8.64	

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8 Pairs.

Plate	Date	J. D.	Estimate	Remarks	M,	M/2
AM 14959	1919 Aug. 26	22 197	c-d		8.40	
15391	1920 Aug. 7	22544	d-e		8.85	
15426	1920 Aug. 15	22552	c-d		8.52	
15530	1920 Oct. 2	22600	c-b		8.22	
15604	1921 June 9	22850	g		10.03	
(214)						
AM 3483	1905 Apr. 26	16962	d-e		8.64	
3516	1905 May 10	16976	e-d		9.01	
3601	1905 June 7	17004	e-f		9.12	
3663	1905 June 13	17010	f-d		9.14	
3649	1905 June 21	17018	f-g		9.62	
3704	1905 July 10	17037	f-g		9.42	
3786	1905 Aug. 11	17069	f		9.21	
3803	1905 Aug. 18	17076	f-g		9.42	
3844	1905 Sept. 5	17094	f-g		9.42	
3875	1905 Sept. 9	17098	f-e		9.18	
3937	1905 Oct. 6	17125	e-f		9.12	
3971	1905 Nov. 13	17163	d-c		8.64	
4206	1906 May 4	17335	c		8.27	
4304	1906 June 13	17375	e-f		9.12	
4375	1906 July 9	17401	f-g		9.62	
4397	1906 July 12	17404	f-g		9.62	
4481	1906 Aug. 9	17432	f-g		9.42	
4559	1906 Sept. 10	17464	f		9.21	
4620	1906 Oct. 12	17496	e-d		9.01	
4683	1906 Nov. 12	17527	c-d		8.40	
4930	1907 June 18	17745	d-e		8.85	
4957	1907 July 1	17758	f-g		9.42	
5022	1907 July 29	17786	f-g		9.42	
5122	1907 Sept. 8	17822	f-g		9.42	
5133	1907 Sept. 11	17829	g-f		9.82	

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SPav.

Plate	Date	J.D.	Estimate	Remarks	M.	M_2
AM 5157	1907 Sept. 17	17836	g-h		10.27	
5216	1907 Oct. 17	17866	f-e		9.18	
5479	1908 May 19	18081	d'-d		8.85	
5493	1908 May 25	18087	d		8.27	
5564	1908 June 16	18109	f-e		9.18	
5666	1908 July 21	18144	f		9.21	
5691	1908 July 26	18149	f		9.21	
5734	1908 Aug. 5	18159	f-g		9.42	
5823	1908 Sept. 15	18200	f-g		9.42	
5832	1908 Sept. 16	18201	g-f		9.82	
5844	1908 Sept. 20	18205	f-g		9.42	
5886	1908 Nov. 2	18248	e-d		9.01	
6089	1909 May 7	18434	e-d		8.52	
6145	1909 May 18	18445	d-d		8.52	
6240	1909 June 17	18475	f-e		9.18	
6315	1909 July 6	18494	e-f		9.12	
6394	1909 July 22	18510	e-f		9.12	
6486	1909 Aug. 19	18538	f		9.21	
6516	1909 Aug. 25	18564	f		9.21	
6595	1909 Sept. 17	18567	f-g		9.42	
6607	1909 Sept. 19	18569	f-g		9.42	
6695	1909 Oct. 21	18601	f-g		9.42	
6755	1909 Nov. 5	18616	f-e		9.18	
6929	1910 May 26	18818	d'-d		8.85	
6958	1910 May 30	18822	d-d'		8.85	
7010	1910 June 8	18831	d-c		8.52	
7064	1910 July 2	18855	d-e		8.52	
7104	1910 July 9	18862	e-d		8.40	
7197	1910 Aug. 8	18892	e-f		9.12	
7241	1910 Aug. 31	18915	f-e		9.12	

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S Pav. ✓

Plate	Date	J.D.	Estimate	Remarks	M_1	M_2
AM 7288	1910 Sept. 9	18924	f-e		9.18	
7347	1910 Oct. 2	18947	f		9.21	
7464	1911 June 17	19205	c-d		8.40	
7471	1911 June 23	19211	e		8.27	
7476	1911 June 24	19212	c-d		8.40	
7509	1911 July 2	19220	c		8.27	
7513	1911 July 4	19222	c-b		8.22	
7517	1911 July 5	19223	c-b		8.22	
7550	1911 July 15	19233	c-d		8.40	
7565	1911 July 17	19235	c-d		8.40	
7591	1911 July 21	19239	d-c		8.64	
7632	1911 Aug. 1	19250	d-c		8.64	
7654	1911 Aug. 4	19253	c-d		8.52	
7679	1911 Aug. 15	19264	d		8.77	
7746	1911 Sept. 12	19292	e-d		9.01	
7820	1911 Sept. 23	19303	f-e		9.18	
7878	1911 Oct. 16	19326	f		9.21	
7906	1911 Oct. 22	19333	e		9.09	
8207	1912 May 19	19542	e		8.27	
8231	1912 May 22	19545	c		8.27	
8259	1912 May 25	19548	c-d		8.40	
8310	1912 June 8	19562	c-b		8.22	
8330	1912 June 12	19566	c-d		8.52	
8370	1912 June 18	19572	e		8.27	
8398	1912 July 5	19589	c-b		8.22	
8459	1912 July 15	19599	c-b		8.22	
8465	1912 July 16	19600	c-b		8.22	
8546	1912 Aug. 15	19630	c		8.27	
8584	1912 Aug. 31	19646	c-d		8.52	
8599	1912 Sept. 4	19650	d-c		8.64	

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SPav. v

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 8482	1912 Oct. 7	19683	d-e		8.93	
8701	1912 Oct. 11	19687	f-e		9.18	
9042	1913 June 9	19928	c		8.27	
9071	1913 June 12	19931	c-d		8.40	
9126	1913 June 27	19946	c		8.27	
9142	1913 June 30	19949	d-c		8.64	
9172	1913 July 5	19954	c-d		8.40	
9242	1913 July 24	19973	c-b		8.22	
9259	1913 July 24	19975	c-b		8.22	
9353	1913 Aug. 20	20000	c-b		8.22	
9408	1913 Sept. 4	20015	b-c		8.14	
9417	1913 Sept. 5	20016	n. s.	B seen	[illegible]	
9461	1913 Sept. 17	20028	d-c		8.64	
9479	1913 Sept. 23	20033	d-c		8.64	
9525	1913 Sept. 30	20040	c-d		8.40	
9585	1913 Oct. 2	20043	c-d		8.52	
9590	1913 Oct. 31	20072	d		8.77	
9899	1914 June 24	20308	d-c		8.52	
9958	1914 July 20	20334	c-d		8.40	
9992	1914 July 26	20340	c		8.27	
10054	1914 Aug. 13	20358	c-b		8.22	
10094	1914 Aug. 27	20372	a-b		7.83	
10161	1914 Sept. 8	20384	b-a		8.00	
10193	1914 Oct. 15	20421	c-b		8.22	
10208	1914 Oct. 19	20425	c-d		8.40	
10238	1914 Oct. 28	20434	c-d		8.52	
10263	1914 Nov. 7	20444	d-c		8.64	
10271	1914 Nov. 10	20447	d-c		8.64	
10766	1915 July 9	20688	c-d		8.52	
10782	1915 July 11	20690	c-d		8.52	

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Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 10816	1915 July 15	20694	c		8.27	
10852	1915 July 19	20698	c-b		8.22	
11114	1915 Sept. 9	20750	c-b		8.22	
11122	1915 Sept. 10	20751	c		8.27	
11147	1915 Sept. 13	20754	c-b		8.22	
11170	1915 Sept. 16	20757	c-b		8.22	
11271	1915 Sept. 27	20768	c-d		8.40	
11411	1915 Nov. 2	20804	d-c		8.64	
11439	1915 Nov. 11	20813	c-d		8.40	
11713	1916 May 11	20995	d-c		8.64	
12120	1916 July 2	21047	c-d		8.52	
12211	1916 July 17	21062	c-b		8.22	
12259	1916 July 24	21069	c-b		8.22	
12402	1916 Sept. 4	21111	c-b		8.22	
12443	1916 Sept. 19	21126	c-b		8.22	
12499	1916 Sept. 27	21134	c-b		8.22	
13443	1917 July 27	21437	c-d		8.40	
13564	1917 Sept. 5	21477	c-b		8.22	
14370	1918 Sept. 2	21839	c		8.27	
14396	1918 Sept. 10	21847	c		8.27	
14400	1918 Sept. 14	21851	d-c		8.64	
14439	1918 Sept. 24	21864	c-b		8.22	
14457	1918 Sept. 29	21866	c-b		8.22	
15009	1919 Sept. 20	22222	c-b		8.22	
15306	1920 July 14	22520	f		9.21	
15483	1920 Sept. 10	22578	d-c		8.64	
15487	1920 Sept. 12	22580	c-d		8.40	
AM (-60 18.00)	✓					
3375	1905 Mar. 10	16915	c-b		8.22	
3463	1905 April 21	16957	d-c		8.64	

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S Pav.

Plate	Date	J. D.	Estimate	Remark	M_1	M_2
AM 3479	1905 Apr. 24	16960	e-d		9.01	
3495	1905 May 2	16968	d-e		8.85	
3544	1905 May 15	19981	d-e		8.85	
3586	1905 June 3	17000	e		9.09	
3690	1905 July 5	17032	f-g		9.62	
3719	1905 July 12	17039	g-f		9.82	
3784	1905 Aug. 11	17069	f		9.21	
3842	1905 Sept. 5	17094	f-e		9.18	
3874	1905 Sept. 9	17098	f-e		9.15	
4149	1906 Mar. 27	17297	e-d		8.40	
4183	1906 Apr. 27	17328	e-d		8.52	
4204	1906 May 4	17335	d		8.77	
4246	1906 May 21	17352	d-d'		8.85	
4314	1906 June 14	17376	d'-e		8.97	
4372	1906 July 9	17401	e-f		9.12	
4464	1906 Aug. 7	17430	f-g		9.42	
4558	1906 Sept. 10	17464	f		9.21	
4639	1906 Oct. 15	17499	f-e		9.18	
4809	1907 May 8	17704	d-e		8.64	
4919	1907 June 11	17738	e-d		9.01	
4955	1907 July 1	17758	e-f		9.12	
5001	1907 July 15	17772	f-e		9.18	
5064	1907 Aug. 15	17803	f-g		9.42	
5147	1907 Sept. 16	17835	f-g		9.62	
5171	1907 Sept. 24	17843	f-e		9.18	
5332	1908 March 25	18026	c		8.27	
5385	1908 April 9	18041	c		8.27	
5451	1908 May 8	18070	e-d		8.40	
5486	1908 May 20	18082	e-d		8.40	
5562	1908 June 16	18109	d-e		8.64	

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S Pav.

Plate	Date	J.D.	Estimate	Remark	M_1	M_2
AM 5632	1908 July 6	18129	d-e		8.85	
5669	1908 July 22	18145	d'-d		8.85	
5695	1908 July 27	18150	f		9.21	
5730	1908 Aug. 5	18159	d-d'		8.85	
5785	1908 Sept. 2	18187	f-g		9.62	
5791	1908 Sept. 5	18190	f-g		9.42	
5959	1909 Feb. 28	18361	c-d		8.52	
6069	1909 April 25	18422	d		8.77	
6087	1909 May 7	18434	c-d		8.52	
6143	1909 May 17	18444	c-d		8.40	
6160	1909 May 24	18451	c-d		8.40	
6207	1909 June 9	18467	e-d		9.01	
6277	1909 June 23	18481	d-e		8.93	
6313	1909 July 6	18494	e-d		9.01	
6379	1909 July 19	18507	f-e		9.18	
6483	1909 Aug. 19	18538	f-e		9.18	
6899	1910 Apr. 29	18791	c-d		8.40	
6916	1910 May 12	18804	d-c		8.64	
7013	1910 June 9	18832	d-c		8.64	
7047	1910 June 29	18852	c-d		8.52	
7070	1910 July 3	18856	d-c		8.64	
7090	1910 July 7	18860	d-c		8.52	
7204	1910 Aug. 13	18897	e-d		9.01	
7251	1910 Sept. 2	18917	f-g		9.42	
7302	1910 Sept. 23	18948	f		9.21	
7284	1911 April 9	19136	c-b		8.22	
7403	1911 April 27	19154	c-b		8.22	
7418	1911 May 20	19177	c		8.27	
7428	1911 May 23	19180	c-d		8.40	
7441	1911 June 8	19196	c-d		8.40	

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Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 7453	1911 June 15	19208	c		8.27	
7484	1911 June 25	19213	b-c		8.14	
7509	1911 July 2	19220	c-b		8.22	
7524	1911 July 6	19224	c-b		8.22	
7555	1911 July 16	19234	c-d		8.40	
7561	1911 July 17	19235	c-d		8.52	
7590	1911 July 21	19239	c-d		8.55	
7630	1911 Aug. 1	19250	d-d'		8.85	
7660	1911 Aug. 5	19254	c-d		8.52	
7740	1911 Sept. 10	19290	d'-d		8.85	
7801	1911 Sept. 21	19301	e		9.09	
7845	1911 Oct. 2	19312	e-f		9.12	
7862	1911 Oct. 13	19323	f		9.21	
8065	1912 Apr. 16	19509	c	c faint	8.27	
8073	1912 April 17	19510	c	" "	8.27	
8113	1912 April 23	19516	c	" "	8.27	
8190	1912 May 17	19540	c-d		8.40	
8199	1912 May 18	19541	c-d		8.40	
8258	1912 May 25	19548	c-d		8.40	
8293	1912 June 6	19560	c-d		8.52	
8355	1912 June 15	19569	c		8.27	
8392	1912 June 21	19575	c-d		8.40	
8396	1912 July 5	19589	c-b		8.22	
8440	1912 July 11	19595	c-b		8.22	
8457	1912 July 15	19599	c-d		8.40	
8566	1912 Aug. 19	19634	c-d		8.40	
8588	1912 Sept. 2	19648	d-c		8.64	
8692	1912 Oct. 9	19685	e		9.09	
8857	1913 May 3	19891	c-b	star faint	8.22	
8907	1913 May 14	19902	c		8.27	

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S Pav.

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 8914	1913 May 15	19903	c-d		8.40	
8974	1913 May 29	19917	c-d		8.52	
9020	1913 June 6	19925	c-d		8.40	
9058	1913 June 11	19930	c-d		8.40	
9092	1913 June 23	19942	c-d		8.40	
9116	1913 June 26	19945	c-d		8.40	
9160	1913 July 3	19952	d-c		8.64	
9223	1913 July 22	19971	c-d		8.40	
9248	1913 July 25	19974	c-d		8.40	
9251	1913 July 25	19974	n.s.	b seen	[8:09]	
9273	1913 July 29	19978	c-d		8.40	
9306	1913 Aug. 5	19985	c-b		8.22	
9319	1913 Aug. 7	19987	c-b		8.22	
9385	1913 Sept. 1	20012	c-b		8.22	
AX 18 hr. - 60						
H 8 H	1924 April 26	23902	c-d		8.40	
527	1924 May 12	23918	d-e		8.85	
732	1924 July 30	23967	f-g		9.62	
773	1924 Aug. 26	24024	f-g		9.62	
1035	1925 May 2-3	24274	c-d		8.40	
1086	1925 May 25-26	24297	d		8.77	
1153	1925 June 16-17	24319	f-g		9.42	
1187	1925 June 24-25	24327	e-f		9.12	
1246	1925 July 25-26	24358	f-g		9.42	
1267	1925 Aug. 8-9	24372	f-g		9.62	
1332	1925 Sept. 17-18	24412	f-g		9.42	
1364	1925 Oct. 9-10	24434	g-f		9.82	
1579	1926 Apr. 20-21	24627	d-c		8.64	
1624	1926 May 12-13	24649	d-c		8.64	
1645	1926 June 3-4	24671	d-c		8.64	

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66 S Pav. V

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AX 1746	1926 July 7-8	24705	e-f		9.12	
1798	1926 July 19-20	24717	e-f		9.12	
1855	1926 Aug 27-28	24756	f		9.21	
1946	1926 Oct. 9-10	24769	f-g		9.62	
2369	1928 May 15-16	25383	e-d		8.40	
(-21 hr 60) 578	1924 June 2	23939	d-e		8.85	
684	1924 July 5	23972	f-e		9.18	
783	1924 July 30	23997	f-g		9.62	
800	1924 Sept. 5	24003	f-g		9.42	
864	1924 Oct. 16	24075	e-d		9.01	
889	1924 Oct. 27	24086	e-f		9.12	
1255	1925 July 28-29	24361	f-g		9.42	
1299	1925 Aug. 28-29	24392	f-g		9.62	
1333	1925 Sept. 17-18	24412	g-f		9.82	
1365	1925 Oct. 9-10	24434	f-g		9.42	
1654	1926 May 19-20	24656	d-c		8.64	
1707	1926 June 16-17	24684	c		8.27	
1776	1926 July 14-15	24712	e-f		9.12	
1828	1926 Aug. 5-6	24734	f-e		9.18	
1878	1926 Sept. 4-5	24764	f-g		9.42	
1918	1926 Sept 27-28	24787	f-g		9.62	
1920	1926 Sept. 28-29	24788	f-g		9.62	
1945	1926 Oct. 9-10	24799	f-g		9.62	
2062	1927 Nov. 14-15	25200	f		9.21	
2370	1928 May 15-16	25383	c-d		8.52	
AM (-45 21 hr)						
7223	1910 Aug 27	18911	e-d		9.01	
7304	1910 Sept. 23	18938	f-e		9.18	
7325	1910 Oct. 11	18956	f		9.21	
7584	1911 July 20	19238	c-d		8.40	

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S Pav.

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 7584	1911 July 20	19238	c-d		8.46	
10767	1915 July 9	20688	c-d		8.40	
10783	1915 July 11	20690	c-d		8.40	
10906	1915 July 29	20708	d-c		8.64	
11105	1915 Sept. 8	20749	b-c		8.14	
11123	1915 Sept. 10	20751	c-b		8.22	
11158	1915 Sept. 14	20755	b-c		8.14	
11169	1915 Sept. 15	20756	b-c		8.14	
11404	1915 Nov. 1	20803	c		8.27	
11413	1915 Nov. 3	20805	c-b		8.22	
12109	1916 July 1	21046	c-d		8.40	
12154	1916 July 7	21052	c		8.27	
12249	1916 July 23	21068	c-d		8.40	
12429	1916 Sept. 8	21125	c-d		8.40	
12463	1916 Sept. 20	21127	b-c		8.14	
12486	1916 Sept. 22	21129	b-c		8.14	
12524	1916 Sept. 29	21136	b-c		8.18	
12781	1916 Nov. 19	21187	c-d		8.40	
13458	1917 July 28	21438	c-d		8.22	
14239	1918 July 30	21805	b-a		8.00	
14377	1918 Sept. 6	21843	a-B		7.78	
14435	1918 Sept. 25	21862	b-a		8.00	
14741	1919 May 31	22110	f-g		9.42	
15307	1920 July 14	22520	d'-e		8.97	
15470	1920 Sept. 6	22574	a-b		7.83	
15476	1920 Sept. 9	22577	b-a		8.00	
15497	1920 Sept. 14	22582	a-b		7.83	
Ax { - 45 21hr						
616	1924 June 23	23960	f-e		9.18	
653	1924 June 30	23967	f-g		9.42	

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Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AX 714	1924 July 24	23991	f-g		9.42	
758	1924 Aug. 19	24017	f-g		9.62	
807	1924 Sept. 6	24035	f-g		9.42	
866	1924 Oct. 17	24076	e-f		9.12	
906	1924 Oct 30	24089	e-d		9.01	
912	1924 Nov. 1	24091	d-e		8.85	
1069	1925 May 19-20	24291	d-d'		8.81	
1165	1925 June 18-19	24321	f		9.21	
1197	1925 June 25-26	24328	e-d		9.01	
1251	1925 July 27-28	24360	f-g		9.62	
1276	1925 Aug. 11-12	24375	f-g		9.62	
1309	1925 Sept. 8-9	24403	f-g		9.62	
1374	1925 Oct. 16-17	24441	f-g		9.62	
1641	1926 May 15-16	24652	d-c		8.64	
1700	1926 June 14-15	24682	c-d		8.52	
1765	1926 July 12-13	24710	e-d		9.01	
1794	1926 July 16-17	24714	d-e		8.85	
1838	1926 Aug. 11-12	24740	d'		8.93	
1892	1926 Sept. 8-9	24768	f-g		9.62	
1915	1926 Sept. 24-25	24784	f-g		9.42	
1972	1926 Oct. 26-27	24816	f-g		9.42	
2059	1927 Nov. 11-12	25197	f-g		9.42	
2402	1928 May 17-18	25385	c-b		8.22	

Done as far as here

AM { -75 / 18.00 hr.

3400	1905 Mar 27	16932	c-b		8.22
3432	1905 April 1	16937	c		8.27
3506	1905 May 9	16975	d-e		8.85
3578	1905 June 2	16999	f		9.21
3609	1905 June 9	17006	f		9.21
3709	1905 July 11	17038	f-g		9.42

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2 Pav.

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 3757	1905 Aug. 17	17065	f-g		9,42	
3864	1905 Sept. 8	17097	f-e		9,18	
3936	1905 Oct. 6	17125	d-c		8.64	
4216	1906 May 10	17341	d-c		8.64	
4320	1906 June 5	17377	f-e		9,18	
4338	1906 June 22	17384	f-e		9,15	
4380	1906 July 10	17402	f-g		9,42	
4472	1906 Aug. 8	17431	f-g		9,42	
4497	1906 Aug. 13	17436	f-g		9,62	
4602	1906 Oct. 5	17489	e-d		9,01	
4658	1906 Oct. 21	17505	d-c		8,64	
4782	1907 Apr. 24	17690	c-d		8,40	
4852	1907 May 22	17718	c-d		8,52	
4895	1907 June 3	17730	d-c		8,64	
4913	1907 June 8	17735	d		8,77	
4970	1907 July 3	17760	e-d		9,01	
5039	1907 Aug. 4	17792	f		9,21	
5096	1907 Aug. 26	17814	f-g		9,42	
5155	1907 Sept. 17	17836	f-g		9,42	
5357	1908 April 1	18033	c-d		8,40	
5476	1908 May 19	18081	d-c		8,64	
5554	1908 June 9	18102	d-c		8,64	
5579	1908 June 25	18118	d-d'		8,81	
5651	1908 July 9	18132	f-e		9,18	
5717	1908 Aug. 3	18157	e-f		9,12	
5758	1908 Aug. 18	18172	f-e		9,18	
5798	1908 Sept. 6	18191	f-g		9,42	
5962	1909 Feb 24	18362	c-b		8,22	
6006	1909 Apr. 23	18420	c		8,27	
6112	1909 May 11	18438	c-d		8,40	

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3 Pan. V.

Plate	Date	J.D.	Estimate	Remark	Wo.	M.
AM 6184	1909 May 29	18456	d-c		8.64	
6199	1909 June 8	18464	d-c		8.64	
6259	1909 June 20	18478	d-d'		8.81	
6265	1909 June 21	18479	d-d'		8.81	
6353	1909 July 14	18502	e-f		9.12	
6384	1909 July 20	18508	d'-d		8.81	
6463	1909 Aug. 14	18539	e-f		9.12	
6492	1909 Aug. 20	18539	f		9.21	
6498	1909 Aug. 21	18540	f-e		9.18	
6574	1909 Sept. 11	18561	f-g		9.42	
6700	1909 Oct. 22	18602	f-e		9.18	
6864	1910 April 5	18767	e-f		8.22	
6883	1910 April 16	18778	e-f		8.22	
6919	1910 May 14	18806	e		8.27	
6996	1910 June 5	18828	e-f		8.22	
7046	1910 June 29	18852	d-e		8.64	
7089	1910 July 7	18860	e-d		8.52	
7201	1912 Aug. 12	18896	d-d'		8.81	
8385	1912 June 13	19569	f-e		8.14	
10280	1915 July 11	20690	e		8.27	
10789	1915 July 12	20691	e-d		8.40	
10847	1915 July 19	20698	e		8.27	
10920	1915 July 31	20710	e-f		8.22	
11120	1915 Sept. 10	20751	f-e		8.14	
11167	1915 Sept. 15	20756	f-e		8.14	
11172	1915 Sept. 16	20757	f-a		8.14	
11564	1916 Mar. 15	20938	e		8.27	
11680	1916 May 17	20991	d		8.77	
11861	1916 May 29	21013	d-d		8.40	
12106	1916 July 1	21046	e-f		8.22	

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2 Pan.

	Plate	Date	J.D.	Estimate	Remark	m_1	m_2
AM	12143	1916 July 5	21050	c-b		8.22	
	12221	1916 July 19	21064	c-d		8.40	
	13124	1917 May 13	21362	f	Plate poor	9.21	
	13192	1917 May 24	21373	e-f		9.12	
	13391	1917 July 11	21421	c-b		8.22	
	13428	1917 July 19	21429	b-c		8.14	
	13447	1917 July 28	21438	b-c		8.14	
	13453	1917 July 30	21440	b		8.09	
	14170	1918 July 8	21783	c-d		8.40	
	14160	1918 July 14	21789	c		8.27	
	14236	1918 July 30	21805	e-b		8.22	
	14865	1919 July 24	22164	d		8.77	
	15023	1919 Sept. 27	22229	c-b		8.22	
	15295	1920 July 10	22516	f		9.21	
	15482	1920 Sept. 10	22578	c-b		8.22	
AM	$\xi = 7^h 5$ 2^1 Tau.						
	7408	1911 May 23	19180	b-c		8.14	
	7485	1911 June 25	19213	b-c		8.14	
	7498	1911 June 26	19214	c		8.29	
	7511	1911 July 4	19222	c-b		8.22	
	7525	1911 July 6	19224	c-d		8.40	
	7540	1911 July 13	19231	c-d		8.40	
	7592	1911 July 21	19239	c-d		8.40	
	7639	1911 Aug 2	19251	d-c		8.64	
	7645	1911 Aug. 3	19252	d-c		8.64	
	7656	1911 Aug. 5	19254	d-c		8.64	
	7691	1911 Aug. 18	19267	c-d		8.40	
	7749	1911 Sept. 14	19294	d-d'		8.81	
	7795	1911 Sept. 20	19300	d-d'		8.81	
	7890	1911 Sept 26	19305	d'-d		8.81	

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8 Pairs.

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
M 7842	1911 Oct. 1	19311	f-e		9.18	
7900	1911 Oct. 19	19329	f-e		9.18	
8105	1912 April 22	19515	d-c		8.27	
8114	1912 April 23	19516	c		8.27	
8166	1912 May 9	19532	c-d		8.40	
8264	1912 May 27	19550	c-d		8.40	
8322	1912 June 11	19565	c-b		8.22	
8336	1912 June 13	19567	c-b		8.22	
8375	1912 June 21	19575	c-b		8.22	
8399	1912 July 5	19589	b-c		8.14	
8471	1912 July 17	19601	c-b		8.22	
8487	1912 July 19	19603	c-b		8.22	
8524	1912 Aug. 2	19617	c-d		8.40	
8611	1912 Sept. 7	19653	c-d		8.40	
8630	1912 Sept. 12	19658	b-c		8.14	
8651	1912 Sept. 17	19663	d-c		8.14	
8720	1912 Oct. 17	19693	f		9.21	
9093	1913 June 23	19942	c-d		8.40	
9131	1913 July 5	19954	c-d		8.40	
9225	1913 July 22	19972	c-d		8.40	
9279	1913 July 30	19979	—	trailed star	X	
9393	1913 Sept. 2	20012	b-a		8.00	
9510	1913 Sept. 28	20039	c-d		8.40	
9534	1913 Oct. 2	20043	c-d		8.40	
9823	1914 June 3	20287	c-d		8.40	
9900	1914 June 24	20308	d-d'		8.81	
9914	1914 June 30	20314	b-c		8.14	
9960	1914 July 20	20334	c-d		8.40	
10036	1914 Aug. 8	20363	b-c		8.14	
10053	1914 Aug. 13	20358	b-a		8.00	

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Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 10068	1914 Aug. 17	20362	b-c		8.14	
10069	1914 Aug 17	20362	b-c		8.14	
10070	1914 Aug. 17	20362	b-c		8.14	
10108	1914 Sept. 10	20386	b-a		8.00	
10135	1914 Sept. 16	20392	b-c		8.14	
10201	1914 Oct. 17	20423	c-d		8.52	
10686	1915 June 15	20664	c-d		8.52	
10826	1915 July 16	20695	c-d		8.40	
10931	1915 Aug. 1	20711	c-d		8.40	
11076	1915 Aug. 29	20739	b-c		8.14	
11306	1915 Oct. 4	20775	b		8.09	
11340	1915 Oct. 7	20778	b-a		8.00	
11358	1915 Oct. 12	20783	b-c		8.14	
11788	1916 May 23	21007	d-c		8.64	
11832	1916 May 27	21011	c-d		8.40	
11878	1916 June 2	21017	c-d		8.40	
11946	1916 June 10	21025	c-d		8.52	
12044	1916 June 22	21037	c		8.27	
12055	1916 June 23	21038	c-d		8.40	
12293	1916 Aug. 2	21078	c		8.27	
12339	1916 Aug. 16	21092	c-d		8.40	
AX {-75 18hr.						
529	1924 May 8	23914	e-d'		8.81	
551	1924 May 24	23930	d'-d		8.81	
581	1924 June 3	23940	f-e		9.18	
625	1924 June 23	23962	f		9.21	
683	1924 July 5	23972	f-g		9.42	
731	1924 July 30	23997	f-g		9.42	
767	1924 Aug. 23	24021	f-g		9.62	
820	1924 Sept. 20	24049	g		9.21	

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	Plate	Date	J.D.	Estimate	Remarks	M_1	M_2
AX	863	1924 Oct. 16	24075	d'-d		8.89	
	1056	1925 May 15-16	24287	d-c		8.64	
	1099	1925 May 28-29	24300	d-d'		8.87	
	1159	1925 June 17-18	24320	e-f		9.12	
	1203	1925 June 26-27	24329	e		9.09	
	1224	1925 July 20-21	24353	f-e		9.18	
	1266	1925 Aug. 8-9	24372	f-g		9.42	
	1619	1926 May 11-12	24648	c-d		8.40	
	1653	1926 May 19-20	24656	c-d		8.52	
	1698	1926 June 12-13	24680	d		8.77	
	1750	1926 July 8-9	24706	d-d'		8.85	
	1807	1926 July 31	24729	f-e		9.18	
	1852	1926 Aug. 27-28	24756	f		9.21	
	1926	1926 Sept. 29-30	24789	f-g		9.42	
	1952	1926 Oct. 11-12	24801	f-g		9.42	
	2049	1926 Oct. 29-30	24819	f-g		9.42	
AX	{-75 {2100 hr.						
	734	1924 July 30	23997	f-g		9.42	
	764	1924 Aug. 21	24019	g-f		9.42	
	801	1924 Sept. 5	24034	f-g		9.42	
	873	1924 Oct. 22	24081	d-d'		8.81	
	902	1924 Oct. 29	24088	e-f		9.12	
	1175	1925 June 22-23	24325	e-f		9.12	
	1256	1925 July 28-29	24361	f-g		9.42	
	1326	1925 Sept. 12-13	24407	f-g		9.42	
	1413	1925 Dec. 10-11	24496	d-e		8.85	
	1659	1926 May 22-23	24659	c-d		8.52	
	1715	1926 June 19-20	24687	e-f		9.12	
	1777	1926 July 14-15	24712	e-d		9.01	
	1825	1926 Aug. 4-5	24733	f		9.21	

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Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AX 1894	1926 Sept. 8-9	24768	f-g		9.62	
1948	1926 Oct. 9-10	24799	f-g		9.62	
2032	1927 Oct. 23-24	25178	f		9.21	
2084	1927 Nov. 25-6	25211	f-g		9.42	
AM $\left\{ \begin{matrix} -4.5 \\ 21 \text{hr} \end{matrix} \right.$						
15622	1921 June 27	22868	f-g		9.42	
15651	1921 Aug 3	22905	c-d		8.52	
15666	1921 Sept. 1	22934	b-c		8.14	
15821	1922 May 30	23205	f-g		9.42	
15887	1922 June 22	23228	g		10.03	
15912	1922 June 29	23235	g-f		9.82	
15941	1922 July 13	23249	f-g		9.42	
15971	1922 July 19	23255	f-g		9.42	
16025	1922 Aug. 12	23279	e-d		9.01	
16062	1922 Sept. 8	23306	d-e		8.85	
16070	1922 Sept. 13	23311	d		8.77	
16096	1922 Oct. 7	23335	c-d		8.40	
16146	1922 Nov. 29	23388	c		8.27	
16338	1923 July 17	23618	f-g		9.62	
16335	1923 Aug. 3	23635	f-g		9.62	
16410	1923 Sept. 7	23670	f-e		9.18	
16427	1923 Oct. 4	23697	d-c		8.64	
(-60 18hr)						
15868	1922 June 16	23222	g-f		9.82	
15921	1922 July 1	23237	f-g		9.62	
15948	1922 July 14	23250	g-f		9.82	
16063	1922 Sept. 9	23307	e-f		9.12	
16229	1923 April 23	23583	d-e		8.85	
16295	1923 June 5	23576	f		9.21	
16361	1923 Aug. 15	23647	f-g		9.42	
16365	1923 Aug. 16	23648	f-g		9.62	

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Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
16414	1923 Sept. 10	23673	e		9.09	
16424	1923 Sept. 29	23692	d – e		8.85	
15604	1921 June 9	22850	f – g		9.62	
15801	1922 May 22	23197	f – g		9.62	
15904	1922 June 28	23234	f – g		9.42	
15913	1922 June 29	23235	e – f		9.82	
15943	1922 July 13	23249	f – g		9.62	
15949	1922 July 14	23250	f – g		9.62	
16033	1922 July 15	23282	f – e		9.18	
16072	1922 Sept. 14	23312	e – d		9.01	
16109	1922 Oct. 11	23339	e – d		8.40	
16139	1922 Nov. 18	23377	c		8.27	
16322	1923 July 9	23610	e – d		9.01	
16366	1923 Aug. 16	23648	e		9.09	
16377	1923 Aug. 18	23650	f – g		9.42	
16405	1923 Sept. 5	23668	e – f		9.12	
16431	1923 Oct. 6	23699	d – e		8.64	
15069	1921 Sept. 3	22936	c		8.27	
15750	1922 May 4	23179	f		9.21	
15827	1922 May 31	23206	f – g		9.42	
15841	1922 June 3	23209	f – g		9.62	
15863	1922 June 15	23221	f – g		9.62	
15899	1922 June 28	23234	f – g		9.62	
15930	1922 July 11	23247	f – g		9.42	
15954	1922 July 15	23251	e – f		9.82	
15991	1922 July 29	23265	f – g		9.62	
16003	1922 Aug. 2	23269	f – g		9.62	
16032	1922 Aug. 15	23282	e – d		8.93	
16084	1922 Sept. 22	23320	d – c		8.64	
16103	1922 Oct. 10	23338	c – d		8.52	

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Plate	Date	J.D	Estimate	Remarks	m_1	m_2
AC 16627	1923 April 25	2335 35	e-f		9.12	
16270	1923 May 26	23566	f-e		9.18	
16281	1923 June 2	23573	f		9.21	
16342	1923 July 18	23589	f-g		9.82	
16412	1923 Sept 8	23671	f		9.21	
15620	1921 June 27	22868	f-g		9.62	

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Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 3539 −45 21 hr.	1905 May 13	16979	f-g		9.54	
3590	1905 June 4	17001	h(?)		10.05	
3713	1905 July 11	17008	f-g		9.43	
3777	1905 Aug. 10	17068	d-e		8.70	
3886	1905 Sept. 16	17095	f		9.33	
3930	1905 Oct. 5	17124	h-k		10.14	
3990	1905 Nov. 24	17174	h-k		10.22	
4252	1906 May 29	17354	d-e		8.70	
4305	1906 June 13	17375	e-f		9.03	
4336	1906 June 18	17381	f-e		9.23	
4374	1906 July 9	17401	h-k		10.14	
4521	1906 Aug. 23	17446	g		9.75	
4543	1906 Aug. 28	17451	f-e		9.23	
4604	1906 Oct. 5	17489	d-e		8.59	
4657	1906 Oct. 20	17504	e-d		8.82	
4685	1906 Nov. 13	17528	f-g		9.54	
4854	1907 May 22	17718	g-h		9.82	
4897	1907 June 3	17730	e-f		9.03	
4914	1907 June 8	17735	e-d		8.82	
4974	1907 July 2	17760	d-e		8.70	
5066	1907 Aug. 15	17803	h-k		10.14	
5092	1907 Aug. 25	17813	h		10.05	
5111	1907 Aug. 31	17819	h-k		10.64	
5234	1907 Oct. 31	17880	e		8.93	
5530	1908 June 5	18098	n. s.	h seen	[10.05]	
5608	1908 June 26	18119	k		10.40	
5658	1908 July 10	18133	f-e		9.13	

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T Cassiopeiae ✓

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 5710	1908 Aug. 1	18155	d-e		8.59	
5816	1908 Sept. 13	18198	f-e		9.23	
5883	1908 Oct. 29	18242	n. s.	h seen	[10.05]	
6098	1909 May 8	18435	e-d		8.72	
6266	1909 June 21	18479	n. s.	e seen	[8.93]	
6284	1909 June 24	18482	h		10.05	
6304	1909 June 29	18487	h-g		9.91	
6307	1909 July 17	18505	n. s.	g seen	[9.75]	
6436	1909 July 4	18523	n. s.	h "	[10.05]	
6476	1909 Aug. 16	18535	e-f		9.13	
6494	1909 Aug. 20	18539	f-e		9.23	
6577	1909 Sept. 11	18561	e-d		8.82	
6690	1909 Oct. 20	18600	f-e		9.23	
6678	1909 Oct. 16	18596	e-f		9.03	
6713	1909 Oct. 24	18604	f		9.33	
7047	1910 July 6	18859	e		8.93	
7129	1910 July 13	18866	f-e		9.23	
7192	1910 Aug. 5	18889	n. s.	e seen	[8.93]	
7223	1910 Aug. 27	18911	e-f		9.65	
7267	1910 Sept. 4	18919	n. s.	f seen	[9.33]	
7304	1910 Sept. 23	18938	n. s.	f "	[9.33]	
7325	1910 Oct. 11	18956	e-f		9.23	
7584	1911 July 20	19238	h		10.05	
10767	1915 July 9	20688	g-f		9.65	
10783	1915 July 11	20690	n. s.	f seen	[9.33]	
10906	1915 July 29	20708	n. s.	h "	[10.05]	
11105	1915 Sept. 8	20749	f-g		9.43	
11128	1915 Sept. 10	20751	f-e		9.23	
11158	1915 Sept. 14	20755	f		9.33	
11169	1915 Sept. 15	20756	f-e		9.23	

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T Gruis

Plate	Date	J. D.	Estimate	Remarks	M,	M,
AM11404	1915 Nov. 1	20803	f-g		9.43	
11413	1915 Nov. 3	20805	g-f		9.65	
12109	1916 July 1	21046	d-e		8.59	
12154	1916 July 7	21052	d-e		8.70	
12249	1916 July 23	21068	e-f		9.03	
12424	1916 Sept. 18	21125	n.o.	e seen	[9.93	
12463	1916 Sept. 20	21127	n.o.	f "	[9.33	
12486	1916 Sept. 22	21129	e		9.93	
12524	1916 Sept. 29	21136	d-e		8.59	
12581	1916 Nov. 19	21187	d-e		8.70	
13450	1917 July 28	21438	n.o.	f seen	[9.33	
14239	1918 July 30	21805	n.o.	e "	[8.93	
14377	1918 Sept. 6	21843	e-d		8.82	
15478	1920 Sept. 6	23574	e		8.93	
15497	1920 Sept. 14	~~23582~~	—	off plate	—	
227-45 10694	1915 June 17	20666	f-e		9.23	
10951	1915 Aug. 3	20713	n.o.	h seen	[10.05	
10978	1915 Aug. 11	20721	n.o.	g "	[9.75	
10986	1915 Aug. 12	20723	n.o.	f "	[9.33	
11068	1915 Aug. 28	20730	f-g		9.54	
11294	1915 Oct. 3	20774	d-e		8.70	
11702	1916 May 10	20994	n.o.	g seen	[9.75	
12047	1916 June 22	21037	d-e		8.59	
12057	1916 June 23	21038	d-e		8.59	
12080	1916 June 28	~~21043~~	—	defective plate	—	
12380	1916 Aug. 26	21102	k-h		10.81	
12395	1916 Aug. 29	21105	k-l		10.56	
12583	1916 Oct. 14	21151	h-k		10.14	
12615	1916 Oct. 18	21155	g-f		9.65	
12627	1916 Oct. 19	21156	g		9.75	

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T ~~Gruis~~ ✓

Plate	Date	J. D.	Estimate	Remarks	M_1	M_2
AM 13024	1917 Apr. 16	21335	e-f		9.03	
13035	1917 April 17	21336	e-f		9.03	
13542	1917 Aug. 27	21468	f-e		9.23	
13678	1917 Oct. 14	21516	n. s.	k seen	[10.40	
13726	1917 Dec. 1	21564	n. s.	f "	[9.33	
13750	1917 Dec. 12	21575	e-f		9.13	
13764	1917 Dec. 14	21577	e		8.93	
14248	1918 Aug. 1	21807	g-h		9.82	
14256	1918 Aug. 3	21809	n. s.	h seen	[10.05	
14277	1918 Aug. 10	21814	f-e		9.23	
14355	1918 Aug. 28	21834	f-g		9.43	
14366	1918 Aug 30	21836	e-f		9.03	
14474	1918 Oct. 2	21869	d-e		8.59	
14490	1918 Oct. 4	21871	d-e		8.59	
14793	1919 June 23	22133	e-f		9.03	
14882	1919 Aug. 1	22172	f-e		9.23	
15393	1920 Aug. 7	22178	d-e		8.59	
15432	1920 Aug. 16	22187	e-d		8.72	
15529	1920 Oct. 2	22283	f-g		9.54	
AM {-45 23 Ar						
3570	1905 May 26	16992	h		10.05	
3602	1905 June 7	17004	n. s.	k seen	[10.40	
3642	1905 June 20	17017	n. s.	l "	[10.72	
3669	1905 June 24	17021	n. s.	k "	[10.40	
3733	1905 July 25	17022	e-d		8.82	
3768	1905 Aug. 9	17067	d-e		8.59	
3797	1905 Aug. 17	17075	d		8.48	
3886	1905 Sept. 7	17096	d-e		8.70	
3907	1905 Sept. 21	17110	f		9.33	
3924	1905 Oct 2	17121	h-g		9.98	

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T Leo

Plate	Date	J.D.	Estimate	Remarks	M_1	M_2
AM 3986	1905 Nov. 22	17172	h		10.05	
4018	1905 Dec. 13	17193	e-f		9.03	
4275	1906 June 1	17363	e-d		8.82	
4357	1906 June 29	17391	f-g		9.43	
4398	1906 July 12	17404	k-l		10.56	
4474	1906 Aug. 8	17431	k-l		10.56	
4517	1906 Aug. 22	17445	f-g		9.43	
4551	1906 Sept. 5	17459	e-d		8.82	
4609	1906 Oct. 6	17490	d-c		8.42	
4705	1906 Nov. 17	17532	g-f		9.65	
4873	1907 May 29	17725	f-g		9.43	
4899	1907 June 3	17730	e-f		9.03	
4943	1907 June 28	17755	c-d		8.31	
4992	1907 July 10	17767	d-e		8.70	
5054	1907 Aug. 11	17799	h		10.05	
5072	1907 Aug. 16	17804	l-k		10.14	
5159	1907 Sept. 17	17836	f-g		9.54	
5210	1907 Oct. 16	17865	f		9.33	
5566	1908 June 16	18109	h.s.	h seen	10.05	
5612	1908 June 28	18121	h-g		9.98	
5684	1908 July 25	18148	e-d		8.82	
5720	1908 Aug. 3	18157	d-e		8.70	
5754	1908 Aug. 17	18171	d-e		8.59	
5795	1908 Sept. 5	18190	e-f		9.03	
5810	1908 Sept. 12	18197	e-f		9.03	
5845	1908 Sept. 20	18205	f-g		9.43	
5880	1908 Oct. 26	18241	m-l		11.85	
5920	1908 Nov. 28	18274	e-f		9.03	
6260	1909 June 20	18498	h (?)	very faint	10.05	
6273	1909 June 22	18480	g-f		9.65	

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T Draco

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 6300	1909 June 27	18485	h.		10.05	
6385	1909 July 20	18508	n. s.	h seen	[10.40	
6465	1909 Aug. 14	18533	g-h		9.82	
6472	1909 Aug. 15	18534	g-f		9.65	
6495	1909 Aug. 20	18539	f-g		9.43	
6657	1909 Oct. 11	18591	d-e		8.59	
6670	1909 Oct. 13	18593	e		8.93	
6730	1909 Nov. 1	18612	n. s.	h seen	[10.05	
6747	1909 Nov. 4	18615	n. s.	f "	[9.33	
6768	1909 Nov. 11	18622	n. s.	g "	[9.75	
6805	1909 Dec. 7	18648	h(?)		10.05	
7050	1910 June 20	18843	d-e		8.59	
7124	1910 July 12	18865	e		8.93	
7186	1910 Aug. 3	18887	n. s.	f seen	[9.33	
7202	1910 Aug. 12	18896	n. s.	f seen	[9.33	
7238	1910 Aug. 30	18914	n. s.	h "	[10.05	
7243	1910 Aug. 31	18915	n. s.	g "	[9.75	
7269	1910 Sept. 4	18919	n. s.	f "	[9.33	
7306	1910 Sept. 23	18938	n. s.	h "	[10.05	
7319	1910 Oct. 2	18947	n. s.	f "	[9.33	
7327	1910 Oct. 14	18959	e-f		9.03	
7334	1910 Nov. 8	18984	d-e		8.59	
7435	1911 June 6	19194	n. s.	f seen	[9.33	
7478	1911 June 24	19212	n. s.	f "	[9.33	
7519	1911 July 5	19223	n. s.	f "	[9.33	
7579	1911 July 19	19237	g		9.75	
7595	1911 July 21	19239	g-h		9.90	
7634	1911 Aug. 1	19250	e-f		9.03	
7643	1911 Aug. 2	19251	e		8.93	
7686	1911 Aug. 16	19265	d-e		8.70	

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T Leonis

Plate	Date	J.D.	Estimates	Remarks	m_1	m_2
AM 7747	1911 Sept. 12	19292	f-g		9.54	
7768	1911 Sept. 17	19297	g-f		9.54	
7831	1911 Sept 25	19305	g		9.75	
7851	1911 Oct. 3	19313	g		9.75	
7880	1911 Oct. 16	19326	n. o	g seen	[9.75	
7888	1911 Oct. 17	19327	n. o.	h seen	[10.05	
7914	1911 Oct. 24	19334	n. o.	h. "	[10.05	
8216	1912 May 20	19543	d-e		8.70	
8250	1912 May 24	19547	d-e		8.89	
8266	1912 May 27	19550	e-d		8.82	
812	1912 June 8	19562	f-e		9.23	
8364	1912 June 17	19571	f-g		9.54	
8427	1912 July 9	19593	n. o	g seen	[9.75	
8505	1912 July 22	19606	n. o	g seen faintly	[9.75	
8555	1912 Aug. 16	19631	n. o.	f "	[9.33	
8572	1912 Aug. 20	19635	n. o.	f "	[9.33	
8627	1912 Sept. 11	19655	f-g		9.54	
8632	1912 Sept. 12	19656	f-g		9.54	
8641	1912 Sept. 14	19658	g		9.75	
8655	1912 Sept. 20	19664	f-e		9.23	
8668	1912 Sept. 30	19674	e-f		9.03	
8713	1912 Oct. 14	19690	e		8.93	
8749	1912 Nov. 4	19711	n. o.	f seen	[9.33	
9072	1913 June 12	19931	e		8.93	
9119	1913 June 26	19945	e-d		8.82	
9154	1913 July 2	19951	e		8.93	
9244	1913 July 24	19973	e-f		9.03	
9294	1913 Aug. 1	19981	f-g		9.54	
9377	1913 Aug. 28	20008	n. o.	d seen	[8.48	
9416	1913 Sept. 5	20016	n. o	d "	[8.48	

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T. Cruis

Plate	Date	J. D.	Estimate	Remarks	m.	m 2
AM 9473	1913 Sept. 22	20033	n. s.	d seen	[8.48	
9474	1913 Sept. 22	20033	n. s.	e "	[8.93	
9558	1913 Oct. 6	20047	n. s.	e "	[8.93	
9629	1913 Nov. 27	20099	e-d		8.82	
9647	1913 Dec. 2	20104	e-d		8.82	
9954	1914 July 18	20332	f		9.33	
10113	1914 Sept. 11	20387	f-e		9.23	
10128	1914 Sept. 15	20391	f-g		9.43	
10150	1914 Sept. 23	20399	g-h		9.90	
10185	1914 Oct. 9	20415	n. s.	h seen	[10.05	
10194	1914 Oct. 15	20421	n. s.	h seen	[10.05	
10288	1914 Dec. 7	20474	f-g		9.43	
10784	1915 July 11	20690	n. s.	f seen	[9.33	
10907	1915 July 29	20708	n. s.	h "	[10.05	
10925	1915 July 31	20710	n. s.	h "	[10.05	
11099	1915 Sept. 7	20748	g-f		9.65	
11125	1915 Sept. 10	20751	n. s.	g seen	[9.75	
11149	1915 Sept. 13	20754	f		9.33	
11160	1915 Sept. 14	20755	f-g		9.54	
11273	1915 Sept. 27	20768	e-d		8.82	
11405	1915 Nov. 1	20803	n. s.	e seen	[8.93	
11852	1916 May 28	21012	n. s.	f "	[9.33	
11906	1916 June 6	21021	n. s.	e "	[8.93	
12243	1916 July 22	21067	e-d		8.82	
12261	1916 July 24	21069	e-d		8.82	
12409	1916 Sept. 14	21121	n. s.	h seen	[10.05	
12419	1916 Sept. 16	21123	n. s.	h seen	[10.05	
12431	1916 Sept. 16	21123	n. s.	f "	[9.33	
12466	1916 Sept. 20	21127	n. s.	e "	[8.93	
12775	1916 Nov. 14	21182	d-e		8.70	

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T Gruis

Plate	Date	J.D.	Estimate	Remark	m_1	$-m_2$
AM 13566	1917 Sept. 6	21478	n.o.	f seen	[8.33	
13576	1917 Sept. 8	21480	n.o.	d "	[8.48	
13593	1917 Sept. 15	21487	n.o.	e "	[8.93	
14372	1918 Sept. 2	21839	e-f		9.03	
14437	1918 Sept. 25	21862	d-e		8.70	
14464	1918 Sept. 30	21867	d-e		8.59	
15369	1920 July 14	22520	n.o.	e seen	[8.93	
15471	1920 Sept. 8	22576	n.o.	e "	[8.93	
15499	1920 Sept. 14	22582	f-g		9.43	
15554	1920 Nov. 8	22637	n.o.	e seen	[8.93	
{-45 21 15821	1922 May 30	23205	f		9.33	
15887	1922 June 26	23232	n.o.	e seen	[8.93	
16062	1922 Sept. 8	23306	n.o.	h seen	[10.40	
16070	1922 Sept. 13	23311	n.o.	h seen	[10.05	
16146	1922 Nov. 29	23388	f-e		9.23	
16338	1923 July 17	23618	d-e		8.42	
16355	1923 Aug. 8	23640	e-d		8.72	
AX {-21 -45 hr						
616	1924 June 23	23960	g		9.75	
653	1924 June 30	23967	h-h		10.31	
714	1924 July 24	23991	h		10.72	
758	1924 Aug. 19	24017	f		9.33	
807	1924 Sept. 6	24035	d-e		8.59	
866	1924 Oct. 17	24076	e-f		9.03	
906	1924 Oct. 30	24089	g-h		9.82	
912	1924 Nov. 1	24091	h-g		9.98	
1069	1925 May 19-20	24291	e-f		9.03	
1165	1925 June 18	24321	e-d		8.31	
1197	1920 June 19 25-26	24328	d-e		8.59	

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Plate	Date	J. D.	Estimate	Remarks	m.	m_2
AX 1251	1925 July 27-28	24360	f-g		9.54	
1276	1925 Aug 11-12	24375	l-m		10.94	
1309	1925 Sept. 8-9	24403	n.s.	m seen	[11.17	
1374	1925 Oct. 16-17	24441	g-f		9.65	
1641	1926 May 15-16	24652	m-l		11.05	
1700	1926 June 14-15	24682	m		11.17	
1765	1926 July 12-13	24710	e-f		9.03	
1794	1926 July 16-17	24714	e-d		8.72	
1838	1926 Aug. 11-12	24740	e-d		8.72	
1892	1926 Sept. 8-9	24768	f-g		9.54	
1915	1926 Sept. 24-25	24784	k-l		10.56	
1972	1926 Oct. 26-27	24816	k-k		10.22	
2059	1927 Nov. 11-12	25197	k-l		10.48	
2402	1928 May 17-18	25385	k-g		9.98	
AM -45 23hr						
15945	1922 June 13	23219	f-g		9.43	
15972	1922 July 19	23225	f-g		9.43	
16026	1922 Aug. 12	23279	g-k		9.90	
16034	1922 Aug. 15	23282	n.s.	g seen	[9.75	
16078	1922 Sept 19	23317	n.s.	l "	[10.72	
16101	1922 Oct. 9	23337	n.s.	l "	[10.72	
16141	1922 Nov. 22	23381	d-e		8.70	
16264	1923 May 25	23565	n.s.	k seen	[10.40	
16339	1923 July 17	23618	d-e		[8.59	
16364	1923 Aug. 10	23647	d-e		8.70	
16398	1923 Sept 3	23666	f-e		9.23	
16428	1923 Oct. 4	23697	n.s.	k seen	[10.05	
AX -45 23						
618	1924 June 23	23960	g		9.75	

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T Gruis

	Plate	Date	J.D.	Estimate	Remarks	M_1	M_2
AX	691	1924 July 7	23974	k-l		10.46	
	715	1924 July 24	23991	k-l		10.56	
	808	1924 Sept 6	24035	c-d		8.31	
	882	1924 Oct. 24	24083	f		9.33	
	1198	1925 June 25/26	24328	d-c		8.42	
	1252	1925 July 27/28	24360	f-e		9.23	
	1310	1925 Sept. 8-9	24403	n.o.	m seen	[11.49	
	1375	1925 Oct. 16/17	24441	f-g		9.43	
	1409	1925 Dec. 9-10	24495	g-f		9.65	
	1708	1926 June 16/17	24684	m-l		10.94	
	1767	1926 July 12/13	24710	g-f		9.54	
	1809	1926 July 31	24728	d-e		8.59	
	1859	1926 Aug. 30/31	24759	g-f		9.54	
	1893	1926 Sept. 8-9	24768	f-g		9.43	
	2043	1927 Oct. 26/27	25181	e-d		9.13	
	2076	1927 Nov. 18-19	25204	k-l		10.56	
	2363	1928 May 14/15	25382	k-k		10.22	
	2418	1928 May 18/19	25386	g-k		9.82	
AM	-30 2 hr.						
	3553	1905 May 22	16988	k		10.05	
	3588	1905 June 3	17000	k		10.40	
	3659	1905 June 23	17020	k-l		10.48	
	3705	1905 July 10	17037	n.o.	f seen	[11.33	
	3727	1905 July 22	17049	f		9.33	
	3779	1905 Aug. 10	17068	c-d		8.37	
	3814	1905 Aug. 19	17077	d		8.48	
	3850	1905 Sept. 6	17095	d-e		8.70	
	3972	1905 Nov. 14	17164	n.o.	k seen	[10.40	
	4228	1906 May 12	17343	d-e		8.70	

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TG Tools

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 4247	1906 May 24	17352	e-d		8.72	
4313	1906 June 14	17376	e-f		9.13	
4395	1906 July 12	17404	k-h		10.31	
4435	1906 July 24	17416	k-l		10.56	
4516	1906 Aug 22	17445	g-f		9.60	
4556	1906 Sept. 6	17460	e-d		8.82	
4560	1906 Sept. 10	17464	e-d		8.82	
4622	1906 Oct. 11	17495	d-e		8.59	
4672	1906 Nov. 9	17524	—	plate streaked	—	
4684	1906 Nov. 12	17527	g-h		9.82	
4822	1907 May 10	17706	n. s.	k seen	[10.40	
4863	1907 May 23	17719	g		9.75	
4949	1907 June 29	17756	d-e		8.59	
4958	1907 July 1	17758	d-c		8.42	
5028	1907 July 31	17788	f-g		9.43	
5079	1907 Aug. 17	17805	k-l		10.56	
5083	1907 Aug. 18	17806	k		10.40	
5158	1907 Sept. 17	17836	k		10.05	
5217	1907 Oct. 17	17866	n. s.	f seen	[9.33	
5237	1907 Nov. 1	17881	n. s.	d seen	[8.48	
5642	1908 July 7	18130	g-f		9.65	
5647	1908 July 8	18131	f-g		9.43	
5733	1908 Aug 5	18159	e-k		8.82	
5787	1908 Sept. 2	18187	d-e		8.70	
5794	1908 Sept. 5	18190	e-f		9.03	
6213	1909 June 11	18469	f-g		9.43	
6349	1909 July 13	18501	n. s.	k seen	[10.40	
6307	1909 July 13	18501	n. s.	k "	[10.05	
6391	1909 July 21	18509	n. s.	k "	[10.40	

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T Gruis

	Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM	6400	1909 July 23	18411	n.o.	k seen	[10.40]	
	6418	1909 July 27	18415	n.o.	k seen	[10.05]	
	6466	1909 Aug. 14	18533	g-f		9.65	
	6600	1909 Sept. 18	18568	d		8.48	
	6617	1909 Sept. 23	18573	d-e		8.59	
	6668	1909 Oct. 13	18593	e-d		8.82	
	6777	1909 Nov. 19	18630	f-d		10.48	
	6917	1910 May 12	18804	n.o.	f seen	[9.33]	
	7049	1910 June 29	18852	e-d		8.82	
	7079	1910 July 5	18858	d-e		8.70	
	7088	1910 July 6	18859	d-e		8.70	
	7135	1910 July 15	18868	e-f		9.03	
	7160	1910 July 30	18873	f		9.33	
	7188	1910 Aug. 4	18888	n.o.	d seen	[8.48]	
	7220	1910 Aug. 24	18908	n.o.	k seen	[10.40]	
	7260	1910 Sept. 8	18918	n.o.	f seen	[9.33]	
	7281	1910 Sept. 18	18923	n.o.	f seen	[9.33]	
	7318	1910 Oct. 2	18947	n.o.	f "	[9.33]	
	7488	1911 June 25	19213	n.o	f "	[9.33]	
	7499	1911 June 27	19215	n.o	g "	[9.75]	
	7510	1911 July 2	19220	n.o.	g " faintly	[9.75]	
	7514	1911 July 4	19222	n.o.	g "	[9.33]	
	7522	1911 July 7	19225	n.o.	f "	[9.33]	
	7552	1911 July 15	19233	h		[10.05]	
	7600	1911 July 22	19240	g-h		9.82	
	7633	1911 Aug. 1	19250	f		9.33	
	7692	1911 Aug. 18	19267	e-f		9.03	
	7733	1911 Aug. 28	19277	e-f		9.13	
	7759	1911 Sept. 16	19296	f-g		9.54	

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TG Crucis

Plate	Date	J.D.	Estimate	Remarks	M_1	M_2
AM 7805	1911 Sept. 21	19301	f-g		9.43	
7836	1911 Sept. 30	19310	f-g		9.98	
7858	1911 Oct. 10	19320	f-g		10.14	
7896	1911 Oct. 18	19328	n.s.	g seen	[9.75	
8191	1912 May 19	19540	n.s.	d "	[8.48	
8324	1912 June 11	19565	f		9.33	
8381	1912 June 22	19576	f-g		9.98	
8384	1912 June 26	19580	f		10.05	
8409	1912 July 6	19590	n.s.	f seen	[10.40	
8547	1912 Aug. 15	19630	n.s.	e "	[8.93	
8563	1912 Aug 17	19632	n.s.	f "	[9.33	
8595	1912 Sept. 3	19649	f		10.05	
8677	1912 Oct. 2	19678	e-f		9.03	
8697	1912 Oct. 10	19686	n.s.	e seen faintly	[8.93	
8708	1912 Oct. 12	19688	e-d		8.82	
8721	1912 Oct. 19	19693	f-e		9.23	
8746	1912 Nov. 2	19709	n.s.	e seen	[8.93	
9014	1913 June 6	19924	e-f		9.03	
9102	1913 June 24	19943	e-d		8.82	
9135	1913 June 28	19947	e-d		8.82	
9148	1913 July 1	19950	d-e		8.70	
9173	1913 July 5	19954	d-e		8.59	
9205	1913 July 12	19961	e-d		8.82	
9230	1913 July 23	19972	e-f		9.03	
9252	1913 July 25	19974	f-e		9.23	
9322	1913 Aug. 7	19987	n.s.	f seen	9.33	
9354	1913 Aug 20	20000	f-e		10.33	
9389	1913 Sept. 1	20012	n.s.	f seen	[9.33	
9424	1913 Sept. 6	20017	n.s.	f seen	[9.33	

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TGruis

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 9488	1913 Sept. 24	20035	n.s.	f seen	[9.33	
9524	1913 Sept. 30	20041	n.s.	f seen	[9.33	
9596	1913 Oct. 23	20064	n.s.	d seen	[8.48	
9584	1913 Oct. 25	20066	n.s.	d seen	[8.48	
9593	1913 Nov. 18	20090	d-e		8.59	
9965	1914 July 21	20335	f		9.33	
10104	1914 Sept. 9	20385	f-e		9.23	
10151	1914 Sept. 23	20399	n.s.	e seen	[8.93	
10152	1914 Sept. 23	20399	g-h		9.90	
10159	1914 Sept. 25	20401	n.s.	c seen	[8.26	
10182	1914 Oct. 8	20414	h-h		10.31	
10253	1914 Nov. 1	20438	n.s.	c seen	[8.26	
10258	1914 Nov. 3	20440	f-g		9.73	
10266	1914 Nov. 9	20446	h		10.72	
10773	1915 July 10	20689	n.s.	h seen	[10.05	
10843	1915 July 18	20697	n.s.	h seen	[10.40	
11088	1915 Sept. 1	20747	g-f		9.65	
11115	1915 Sept. 9	20750	e-f		9.13	
11131	1915 Sept. 11	20752		double exposure	—	
11148	1915 Sept. 13	20754	e-f		9.03	
11414	1915 Nov. 3	20805	fg		9.43	
11429	1915 Nov. 9	20811	g		9.75	
11792	1916 May 24	21008	n.s.	h seen	[10.05	
12121	1916 July 2	21047	d-e		8.59	
12408	1916 Sept. 14	21121	n.s.	h seen	[10.05	
12418	1916 Sept. 16	21123	n.s.	h seen	[10.05	
12464	1916 Sept. 21	21127	n.s.	h seen	[10.05	
12467	1916 Sept. 22	21127	n.s.	f seen	[9.33	
12525	1916 Sept. 29	21134	n.s.	g seen	[9.75	

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T Gruis

Plate	Date	J.D.	Estimate	Remarks	m_1	m_2
AM 12782	1916 Nov. 19	21187	e-d		8.82	
13565	1917 Sept. 6	21478	f g		14 9.48	
14220	1918 July 26	21801	n.s.	f seen	[9.33	
14378	1918 Sept. 6	21843	g-h		9.82	
14401	1918 Sept. 14	21851	d-e		8.70	
14419	1918 Sept. 20	21857	e-d		8.37	
14427	1918 Sept. 23	21860	c-d		8.37	
14440	1918 Sept. 27	21864	c-d		8.31	
14463	1918 Sept. 30	21867	d-e		8.59	
14998	1919 Sept. 14	22216	n.s.	d seen	[8.48	
15055	1919 Nov. 11	22274	n.s.	d seen	[8.48	
15498	1920 Sept. 14	22582	e		8.93	
10997	1915 Aug. 14	20724	g		9.75	
11286	1915 Oct. 1	20772	d-e		8.70	
11331	1915 Oct. 6	20777	d-e		8.59	
11356	1915 Oct. 9	20780	e-d		8.82	
11472	1915 Dec. 3	20835	h-h		10.22	
12584	1916 Oct. 14	21151	g-h		9.82	
12602	1916 Oct. 17	21154	g-h		9.90	
12628	1916 Oct. 19	21156	f g		9.43	
12665	1916 Oct. 23	21160	f-g		9.54	
12832	1916 Dec. 21	21219	h		10.05	
12840	1916 Dec. 22	21220	n.s.	f seen	[9.33	
13057	1917 Apr. 25	21344	f-g		9.43	
13679	1917 Oct. 14	21516	n.s.	g seen	[9.75	
14249	1918 Aug. 1	21807	n.s.	e seen	[8.93	
14276	1918 Aug. 9	21815	n.s.	h seen	[10.05	
14278	1918 Aug. 10	21816	n.s.	h seen	[10.05	
14483	1918 Oct. 3	21870	d-e		8.70	

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T Gruis

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AM 15043	1919 Oct. 21	22253	e-f		9.03	
15400	1920 Aug 10	22547	d-e		8.70	
15449	1920 Aug. 21	22558	n.s.	e seen	[8.26]	
15533	1920 Oct 4	22602	n.s.	e seen	[8.93]	
AM f-39 22hr						
15822	1922 May 30	23205	f		9.33	
15896	1922 June 27	23233	d-e		8.59	
15950	1922 July 14	23250	e-f		9.03	
15962	1922 July 17	23253	f		9.33	
16030	1922 Aug 14	23281	n.s.	f seen	[9.33]	
16071	1922 Sept. 13	23311	e-l		10.48	
16100	1922 Oct. 9	23337	e-f		9.13	
16323	1923 July 9	23610	e-d		8.82	
16363	1923 Aug 15	23649	e-d		8.82	
16389	1923 Sept. 1	23664	e-f		9.13	
16432	1923 Oct. 6	23699	n.s.	h seen	[10.05]	
AX 605	1924 June 12	23949	f-g		9.43	
635	1924 June 26	23963	g-f		9.65	
666	1924 July 2	23969	f-h		10.31	
727	1924 July 26	23993	h-l		10.48	
795	1924 Sept. 4	24033	e-d		8.82	
870	1924 Oct 20	24079	f-g		9.54	
1095	1925 May 27-28	24299	e-f		9.13	
1148	1925 June 15-16	24318	d-c		8.42	
1182	1925 June 23-24	24326	c-b		8.13	
1318	1925 Sept. 10-11	24405	m		11.17	
1362	1925 Oct. 8-9	24433	g-f		9.65	
1650	1926 May 19-20	24656	m		11.17	
1710	1926 June 17-18	24685	m-l		11.05	

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T Gruis

Plate	Date	J. D.	Estimate	Remarks	m_1	m_2
AX 1766	1926 July 12/13	24710	f-e		9.23	
1819	1926 Aug. 3-4	24731	e-d		8.82	
1900	1926 Sept. 10-11	24770	f-g		9.54	
1954	1926 Oct. 11-12	24801	h-hi		10.14	
2010	1927 Sept. 28-29	25153	d-e		8.70	
2017	1927 Sept. 30 Oct. 1	25155	e-d		8.82	
2073	1927 Aug. 17-18	25~~4~~76	l-m		10.83	

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	0:18:65	Corrected to 1922	
a	–		
b	7.95	8.01	7.63
c	8.21	8.30	8.26 ✓
c'	8.47?	8.57?	8.55 ✓
d	9.41	9.58	9.24
e	9.50	9.68	9.95
f	10.54	10.76	10.87 ✓
f'	11.35	11.59	11.54
g	11.25	11.49	12.19
h	11.58	11.82	12.59 77
h'	12.04	12.28	12.59
k	11.93	12 1 7	12.86
k'	12.04	12.28	12.86
l	12.50	12.75	13.23
m	13.07	13.33	13.63
n	13.24	13.50	14.15

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C = Central Image
1 = First order image

B 4567

Star	C	1	405
a	3) 1.8	6) 2.0	7.18
b	3) 2.2	6) 3.2	7.58
c	3) 2.8	6) 3.5	8.21
c'	3) 3.2	6) 3.8	8.50
d	3) 3.8	6) 5.5	9.19
e	3) 4.5	6) 3.8	9.90
f	3) 5.3		10.82
f'	3) 6.2		11.89
g	3) 6.4		12.14
h	3) 6.7		12.54
h'	3) 6.7		12.54
K	3) 6.9		12.81
k'	3) 6.9		12.81
l	5) 6.3		13.18
m	5) 6.6		13.58
n	5) 7		14.10
o			
p			

corrected for altitude (+0.05)

B 4575 Star

		7.23 7.38 C_{12}
		7.63 8.59
		8.26 8.90
		8.55 9.19
		9.24 11.04
		9.45 9.19
		10.87
		11.94
		12.19
		12.59
		12.59
		12.86
		12.86
		13.23
		13.63
		14.15

Star		
1	3) 1.0	6.59
2	3) 1.8	6.99
3	3) 2.3	7.29
4	3) 2.5	7.59
5	3) 2.7	7.89
6	3) 2.8	8.31
7	3) 3.0	8.53
8	3) 2.8	8.71
9	3) 3.7	9.16
10	3) 3.7	9.12
11	3) 4.2	9.48
12	3) 4.6	9.79
—	—	—
14	3) 4.8	10.12
15	3) 4.9	10.05
16	3) 5.0	10.60
17a	3) 58	—
20	3) 6.3	12.14
21	3) 6.7	12.47
22	5) 6.3	13.16
23	5) 6.6	13.27
25	5) 6.8	13.74
26	5) 6.7	13.92
28	5) 6.9	14.07

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1927phae.proj.1136

S Sc

B 45764
C 12

Star	C	1	Mag. (1922)
1	b.4	3.8	6.59
2	b.8	4.4	6.99
3	c.8	3.7	7.29
4	d.6	4.2	7.59
5	d.7	5.6	7.89
6	e.1	4.8	8.31
7	d.8	5.3?	8.53
8	c.8	4.5?	6.71
9	e.7	7.5?	9.16
10	f.0	8.0	9.12
11	f.6	8.5?	9.48
12	g.0	E.0	9.79
13	g.6	—	10.00
14	g.3	—	10.12
15	g.4	—	10.05
16	4.8	—	10.60
17a	5.3	—	11.32
20	7.5	—	12.14
21	7.8	—	12.47
21a	8.6	—	12.90
22	E.7	—	13.16
23	E.8	—	13.27
25	6.8	—	13.74
26	E		13.92

B 45770
C 1

Star	C	1
1	b.7	5.0
2	b.8	5.1
3	b.9	5.5
4	c.8	6?
5	e.0	7.5
6	d.9	7.8
7	e8	8.7
7a	e8	—
8	g.2	E.2
9	f.8	E.6
13	4.8	—
13a	5.3	—
14	5.7	—
15	6.6	—
18a	8	—

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B48516

Star	C	1	
a	2.7	B.7	7.33
b	3	Y.8	7.87
c	3.8	E.7	8.90
c'	3.5	E.5	8.59
d	5.0	—	9.72
e	5.3	—	9.86
f	7.6		10.81
f'	E.5		11.68
g	E		11.45
h	E.7		11.76
h'	5.5		12.21

B48669

a	c.5		7.76
b	d.7	6.7	8.11
c	e.7	7.6	8.83
c'	e.9	7.8	8.97
d	g.2	E.3	
e	g.6	—	
f	6.2	—	
f'	7.7	—	
g	7.8	—	
h	8	—	
h'			

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1927phae.proj.1136.

V

B 48513
E12

Star	G	1	
1	2.2	4.6	6.59
2	2.5	5.0	6.99
3	2.7	5.7?	7.29
3a	2.9.	7.0?	
5	3.0	7.5?	7.89
6	3.2	8?	8.31
8	3.5?	—	8.71
9	4.5	—	9.16
11	4.9	—	9.48
12	5.0	—	9.79
14	5.8	—	10.12
16	7.0	—	10.60
17	7.8	—	10.87
17a	8.6	—	11.32
17b	8.8	—	
17c	E	—	
18	E.3	—	11.54
19	E.7	—	11.71
20	E	—	12.14

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R Horologii

Set B48747

	From B48745 48751	No correction	From B48740	No correction	Set 48283 B48286 48292	−0.07
a						
a'	8.00		7.84		8.20	8.13
b	7.78		7.64			
c	8.07		8.11		8.09	8.02
c'	8.93		8.72		9.11	9.04
d	9.26		9.04		9.28	9.21
d'	10.21		10.17		9.90	9.83
e	9.51		9.32		9.11	9.04
f	10.17		10.10		10.40	10.33
g	10.75		10.89		10.60	10.53
h	11.05		11.22		11.19	11.12
h'	11.31		11.55		11.50	11.43
k	11.79		12.12		12.40	12.33
l	12.06		12.50		12.60	12.53
m	12.9		—		13.20	13.13
h²	11.52		12.00		11.83	11.76

Set B48528

	From B48525 B48530 +0.00	B48536 +0.00
a		
a'	7.48	7.87
b		
c	8.12	8.20
c'	8.81	8.87
d	9.44	9.60
d'	10.12	10.50
e	9.18	9.28
f	10.24	10.67
g	11.63	11.17
h	11.24	13.06
h'	11.29	13.22
k	11.87	
l	12.36	
m	12.10	
h²	11.65	

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1927phae.proj.1116.

	Mean
a'	7.86
b	7.71
c	8.16
c'	8.88
d	9.01
d'	10.17
e	9.27
f	10.50
g	10.99
h	11.55
h'	11.76
h^2	11.73
K	12.03
l	12.50
m	13.08

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1927phae.proj.1136

R Horologi 025050

B48747
R Hor

Star	C	1	from curve from means B 48745 + 48751	from B 48746	mean	B 48751 C2
a	6.7	2.8				
a'	2.3	8.6	8.00	7.84		
b	2.0	8.5	7.78	7.64		
c	2.7	8.0	8.37	8.11		
c'	3.6	8.7	8.93	8.72		
d	4.2	6.6	9.26	9.04		
d'	5.8	—	10.21	10.17		
e	4.5	6.6	9.51	9.32		
f	5.7	—	10.17	10.10		
g	7 (8.0)	—	10.75	10.89		
h	7.3 (8.0)	—	11.05	11.22		
h'	7.7 (8.3)	—	11.31	11.55		
k	6	—	11.79	12.02		
l	6.5	—	12.06	12.5		
m	7 (8.0)	—	12.9			
h²	8.8	—	11.52	12.0		

1	~1	6.7
2	1.8	6.7
3	1.5	8.3
4	2.9	8.7
5	2.7	8.3
6	3.7	6.6
7	3.9	6.8
8	4.0	6.5
9	4.2	6.8
9a	5.7	—
9b	5.8	—
9c	3.6	6.7
10	4.6	6.8
11	5.0	—
12	5.5	—
12a	6.7	—
13	7.0	—
14	7.5	—
15	8.1 7.7	—
16	8.3 7.8	—
17	8.8	—
19	6.2	

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1927phae.proj.1146.

B 48528
R Hor

Star	C	1	from Mean C	B 48536
a		2.6		
a'	2.3	8.7	7.48	7.87
b	1.5	(8.7)		
c	2.7	8	8.12	8.20
c'	3.5	ε	8.81	8.87
d	4.4	5.5	9.44	9.60
d'	5.5		10.12	10.50
e	4.0	ξ	9.18	9.28
f	5.7	—	10.24	10.67
g	6.3	—	10.63	11.17
h	7.3 (8.8)	—	11.24	13.00
h'	7.6 (5.6)	—	11.29	12.22
h²	8.0	—	11.65	
k	ε	—	11.87	
l	ε.8	—	12.36	
m	η	—	13.1	

B 48530

		C				Mean C from B 48536 48525
C2	1	1.5	α.2	6.94	2.0	
	2	1.8	β	7.25	2.1	
	3	2.3	8.5	7.67	2.5	
	4	2.7	8.7	8.29	3.0	
	5	2.0	β.7?	8.24	2.5	
	6	1.9	δ ?	8.78	2.9	
	7	3.5	ε.8	9.20	4.0	
	8	3.8	ε.7?	9.26	4.1	
	9	4.4	η	9.40	4.6	
	9a	5.7	—			
	9b	5.3	—			
	9c	4.0	—			
	10	4.4	—	9.52	4.6	
	11	4.7	—	9.92	5.0	
	12	4.8	—	10.17	5.2	
	12a	6.0	—	10.63	6.5	
	13	6.2 Y.0	—	10.64	6.7	Y.2
	14	6.7 Y.3	—	11.02	7.0	Y.4
	15	7.3 Y.7	—	11.27	7.5	Y.8
	16	7.0 8.3	—	11.42	7.4	8.3
	17	7.7 8.8	—	11.67	8.0	8.8
	19	8.5 ε.3	—	12.07	8.5	ε.3

Plate B 48536 is very poor, as judged in comparison with 1 estimates; images very peculiar in places. Would suggest rejecting observations from it.

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1927phae.proj.1136

B 48353

B 48283
R Hor.

Star	C	1	
a			
a'	2.8	β.7	8.20
b	1.0	β	
c	2.7	β.5	8.09
c'	3.8	δ.7	9.11
d	4.0	ε.0	9.28
d'	4.8	—	9.90
e	3.8	—	9.11
f	5.5	—	10.40
g	5.8	—	10.60
h	6.7	—	11.19
h'	8.7 7.2 8.8	—	11.50
h²	7.8	—	11.83
K	ε.5	—	12.4
l	ε.8	—	12.6
m	ε.7	—	13.2

Star	C	1	(1922)
C₂ 1	2.8	β	6.94
2	2.7	β	7.25
3	3.2	γ.7	7.67
4	4.3	ε.6	8.29
5	3.6	γ.7	8.24
6	4.5	δ	8.78
7	4.7	δ	9.20
8	4.8	δ	9.26
9	5.5	η	9.40
9a	6.6	—	
9b	6.8	—	
9c	4.8	δ.5	
10	5.5	η	9.52
11	5.7	—	9.92
12	β.7 6.5 γ.8	—	10.17
13	7.8 δ.5	—	10.64
14	8.2	—	11.02
15	8.7	—	11.27
16	8.8	—	11.42
17	8.9	—	11.67
19	ε.4		12.07

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1927phae.proj.1116.

B 48740
C1

	C	I		
1	1.8	B.7	7.19	
2	1.6	B7	7.41	
3	2.0	8.3	7.53	
4	2.1	8-5?	8.02	
5	3.4	8.7	8.43	
6	3.8	E?	8.58	
7	3.9	E.7	8.78	
7a	3.7		8.98	
8	4.6	—	9.34	
9	4.8	—	9.44	
13	5.9	—	10.37	B. 4
13a	6.4	—	10.66	B. 6
14	7.0	—	10.84	8.0
15	7.5	—	11.28	8.8
15a	8.5?	—		E.4

B 48745
C2

1	~1	B.5	6.94			~1
2	1.3	B.7	7.25			1.6
3	1.8	8.5	7.67			1.7
4	2.2	8.8	8.29			2.6
5	2.7	E	8.74			2.7
6	3.7	E.5	8.78			3.7
7	3.9	—	9.20			3.9
8	4.3	—	9.26			4.2
9	45	—	9.40			4.3
9a	5.2	—				
9b	6.0	—				
9c	3.7	—				
10	4.4		9.52			4.5
11	5.2	—	9.92			5.1
12	5.8	—		10.17		5.7
12a	6.8	—	B.9	10.63		6.7 B.7
13	7.1	—	γ	10.64		7.1 8
14	7.4		8.5	11.02		7.5 8.5
15	7.4	—	8.3	11.27		7.7 8.2
16	8.0	—	8.6	11.42		7.9 8.4
17	8.8	—	—	11.67		8.8
19	E.8			12.07		E.5

Mean of B 48745 48751

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1927phae.proj.1136

RHer

B48525
C2

1	2.5	B.8	6.94		
2	2.3	γ	7.25		
3	2.7	γ.8	7.67		
4	3.3	δ.5	8.29		
5	3.0	δ	8.24		
6	3.8	ε.7	8.78		
7	4.4	ε.8	9.20		
8	4.8	ξ	9.26		
9	4.7	η	9.40		
9a	5.3	—			
9b	5.5	—			
9c	4.2	—	~~9.52~~		
10	4.7	—	9.52		
11	5.2	—	9.92		
12	5.5	—	α.1	10.17	
12a	7.0	—	β.5	10.63	
13	7.2	—	γ.3	10.64	
14	7.3	—	γ.6	11.02	
15	7.6	—	γ.8	11.27	
16	7.8	—	δ.3	11.42	
17	8.2		δ.8	11.67	
19	ε.3			12.07	

B48536
C3

1	0.8	α	6.62
2	0.3		6.94
3	0.7		7.23
5	2.0	β	7.62
6	2.7	β.8	7.75
7	2.5	γ.9	8.12
8	2.9	δ.3	8.31
9	3.0	δ.8	9.10
9b	2.2	—	←
10	3.7	—	8.80
12	3.2		9.47
13	4.3		9.60
15	4.7		10.36
16	5.6		10.54
17	5.8		10.63

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1927phae.proj.1116.

C_2

	T 48286	D 48292	Mean	
1	1.3	2.3	1.8	6.94
2	1.3	2.6	2.2	7.25
3	2.7	3.0	2.8	7.67
4	3.0	3.8	3.4	8.29
5	Prog. 2 Im	Prog. 3 Im	2.5	8.24
6	3.3	3.5	3.4	8.78
7	3.7	4.5	4.1	9.20
8	3.7?	4.3	3.8	9.26
9	4.0	5.0	4.5	9.40
10	4.3	4.5	4.4	9.52
11	4.5	4.8	4.6	9.92
12	5.2	5.0	5.1	10.17
12a	5.7	5.7	5.7	10.63
13	6.0	6.5	6.2	10.64
14	6.3	6.7	6.5	11.02
15	6.8	7.0	6.9	11.27
16	7.0	7.3	7.2	11.42
17	7.3	7.7	7.5	11.67
19	7.8	8.0	7.9	12.07
13	8.3	8	8.6	
14	8.8	8.8	8.4	
15	8.0	8.0	8.5	
16	8.8	8.3	8.0	
17	8.3	8.8	8.5	
19	8.8	9	8.9	

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110

R Octantis B49428:C2

055686.

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B 49520

B 49516
C 2

B 49522
D 3

B 49527
C 4

1

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U Tuc 005475

B 51747 : C1				B 51772 : C2				B 51778 : C2					1922 Mags
									M C2				
1	0.7		7.19	1	0.5			1	~0		0.3		6.94
2	0.9		7.41	2	~1			2	~0.7		0.9		7.25
3	1.0		7.53	3	1.8			3	1.2		1.5		7.67
4	1.7		8.02	4	2.3			4	2.3		2.3		8.29
5	2.0		8.43	5	—			5	—		—		—
6a	2.7		~~(8.58)~~	6	3.4			6	3.3		3.3		8.78
7a	3.7		8.98	7	3.2			7	3.6		3.4		9.20
9	4.2		9.44	9b	5.4			7b	4.8		5.1		
11	4.8	α.3	9.87	9c	3.5			9c	3.3		3.4		
12	5.4	β.2	10.23	10	4.0			10	4.5	α.0	4.3		9.52
14	7.2	8.3	10.84	11	4.8	β.0		11	5.3	β.3	5.1		9.92
15	7.8	8.7	11.28	12a	6.0	8.2		12	4.5	β.7	6.3		(10.62) 10.17
16	8.0	8.8	11.44	13	6.0	8.8		13	6.6	8.2	6.3	8.6	10.64
17		ε	11.74	14	7.2	8.8		14	7.5	8.3	7.3	8.5	11.02
18		ε.7	12.18	15	—	8.5	10.27	16	7.8	8.6	7.8	8.6	11.47
19		ξ	12.45	16	7.8	8.5		17	8.0	8.8	8.1	8.7	11.67
20		η	12.87	17	8.1	8.7		19	8.6	ε.3	8.8	ε.5	12.07
				19	9	ε.7		21		8.7		8.7	12.74
				21		8.8		22		η		η	12.75
				22		η							

HA = 26m W
Dec = +15.1

HA = 36m E
Dec +15.1

HA = 26 W
Dec = +15

Cn = -0.07

-0.08

-0.08

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1927plate.proj.1136.

U Tuc : B 51770

				From B 51767	From MCz	B51767 +C		Mean
a	2.6			8.46	8.44	8.12	8.11	8.12
b	2.8			8.57	8.57	8.23	8.24	8.24
c	3.4			8.91	8.97	8.57	8.64	8.61
d	4.6			9.23	9.33	8.89	9.00	8.95
e	5.6	e.7		10.28	10.31	9.94	9.98	9.96
f	6.7	8.2		10.70	10.75	10.36	10.42	10.39
g	8.0	8.7		11.44	11.54	11.10	11.21	11.16
h	9.0	e.3		11.93	12.00	11.59	11.67	11.63
k	—	e.8		12.27	12.12	11.83	11.79	11.81
l		57		13.07	12.62	12.73	12.29	12.56
m		7		13.37	12.80	13.03	12.47	12.75

HA = 56 W

Dec = -74.5

-0.41

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1927phae.proj.1136

U Tuc 005475

B 51859 : C1

1	~1	
2	1.2	
3	1.7	
4	2.3	
5	3.5	
6	3.7	
6a	3.3	
7	3.5	
7a	4.0	
8	4.6	
9	4.7	α
11	5.3	α.7
12	5.8	β.4
13	5.8	β.7
14	7.2	γ.3
15	7.7	δ.5
16	7.9	δ.7
17	~8.5	δ.8
19		ε.9
20		ξ.8
21		η~2

HA = 33 E

δ = +15.1

−0.09

B 51864 : C1

			$\bar{C}_1$			
1	~1		1		7.19	
2	~1		1.1		7.41	
3	1.2		1.6		7.53	
4	1.8		1.5		8.02	
5	3.7		3.6		8.43	
6	3.4		3.5		8.58	
6a	3.0		3.1			
7	3.8		3.7		8.78	
7a	4.0		4.0		8.96	
8	4.7		4.6		9.34	
9	4.5		4.6	α	9.44	
10	4.9	α.5	5.1	α.6	9.87	
12	5.8	β.7	5.8	β.5	10.23	
13	6.0	β.8	5.9	β.7	10.37	
14	6.8	γ.3	7.1	γ.3	10.84	
15	7.6	δ.3	7.7	δ.4	11.28	
16	7.7	δ.7	7.8	δ.7	11.44	
17	8.3	δ.9	8.4	δ.9	11.79	
19	18	ξ.0	8.	ξ.0	12.45	
20		ξ.8		ξ.8	12.87	
21		η~2		η.2	13.17	

HA = 26 W

δ = +15.1

−0.09

B 51870 ; C2

1	0		6.94
2	0.5		7.25
3	1		7.67
4	1.8		8.29
6	2.8		8.78
7	3.0		9.20
10	3.7		9.52
11	4.5	α.6	9.92
12	5.0	β.2	10.63
10	5.8	β.7	10.64
14	6.6	γ.2	11.02
16	7.0	γ.7	11.42
17	7.8	δ.0	11.67
19	8.7	δ.8	12.07
21		ε.8	12.74
22		ξ.0	12.75
23		ξ.7	13.04
25		η~7	13.36

HA = 23 E

δ = +15.1

−0.09

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1927phae.proj.1136.

UTuc 005473
: B 51865

			From C_1	From B51870 C_2	Mean	+(−0.31)
a	2.0		7.83	8.39	8.11	7.80
b	2.7		8.26	8.84	8.55	8.24
c	3.3		8.63	9.20	8.92	8.61
d	4.6		9.43	10.00	9.72	9.41
e	5.7	β.2	10.11	10.49	10.30	9.99
f	5.9	β.8	10.36	10.76	10.56	10.25
J	7.7	8.0	11.27	11.61	11.44	11.13
h	7.9	8.8	11.52	11.90	11.71	11.41
K	8.5	8.7	11.72	12.00	11.86	11.55
l		∈.6	12.14	12.57	12.36	12.05
m		8.5	12.69	13.00	12.85	12.54
n		11.7	13.40	13.45	13.43	13.12

HA = 37
δ = −74.8

−0.40

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1927phae.proj.1136

U Tuc 005475

B51742 : C1

1	~0.5		7.19
2	~0.7		7.41
3	1.2		7.53
4	2.0		8.02
5	3.2		8.43
6	3.2		8.58
6a	3.5		—
7	3.6		8.78
7a	3.8		8.98
8	4.4		9.34
9	4.7		9.44
11	4.7	2.3	9.87
12	5.4	2.8	10.23
14	6.8	3.8	10.84
15	7.8	8.7	11.28
16	8.0	8.7	11.44
17	8.3	8.9	11.74
19	—	ε	12.45
20		η	12.87

HA = 11 E

δ = +15.1

−0.07

B51747 : C1

1	~0.3		
2	~0		
3	0.7		
4	1.0		
5	1.5		
6	2.0		
6a	1.8		
12	5.0	2.7	
14	6.0	3.4	
15	6.8	8.4	
16	7.8	8.8	
17	8.5	ε.0	
		ε	

Plate poor, probably out of focus. Images very large, and thin

B51753 : C2

1	0.5		6.94
2	1		7.25
3	1.3		7.67
4	2.4		8.24
6	2.8		8.24
7	3.5		9.20
8	3.8		9.26
9	4.3		9.40
10	4.0		9.52
11	4.7		992
12a	5.6	0.1	10.63
13	5.8	0.3	10.64
14	6.4	0.8	11.02
15	7.2	8.0	11.27
16	7.6	8.8	11.42
17	7.8	8.5	11.67
19	8.4	ε.0	12.07
21		ε.8	12.74
22		8.7	12.75
23		η	13.04

HA = 01 E

δ = +15.1

−0.07

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1927phae.proj.1136.

B 51744
U Tuc.

			from B 51742	from B 51753	Mean	− 0.31
a	0.7		7.28	7.02	7.15	6.84
b	1.6		7.78	7.76	7.77	7.46
c	3.5		8.88	9.13	9.00	8.69
d	3.8		9.04	9.34	9.19	8.88
e	5.7	5.6	10.36	10.76	10.56	10.25
f	6.5	6.2	11.27	11.12	11.21	10.90
g	7.8	5.7	11.56	11.82	11.69	11.38
h	~8	5.8	11.66	11.88	11.77	11.46
k		5.9	11.90	12.05	11.98	11.67
l		6.7	12.37	12.43	12.40	12.09
m		5	12.54	12.58	12.56	12.25
n		—				

Mean of Means

a	7.59
b	7.98
c	8.64
d	9.08
e	10.07
f	10.28
g	11.22
h	11.50
k	11.68
l	12.23
m	12.51
n	12.69

HA = 11h

δ = −74.8

−0.38

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1927phae.proj.1136

RS Cent. 111661

B 52294 : C5

1	1.2		7.17
2	2.8		8.09
3	2.5		8.09
4	3.0		8.29
5	4.3		9.07
6	4.7		9.31
7	4.8		9.34
9	5.3		9.91
10	5.7		10.32
11	5.8	α.8	10.13
12a	6.0	β.6	10.43
13	6.9	γ.1	10.68
14	7.3	δ.3	10.78
14a	7.6	γ.8	11.18
15	7.9	δ.5	11.40
16	8.3	δ.8	11.60
17	8.5	ε.0	11.99

B 52300 : C6

1	~0		6.75
2	~0.5		6.88
3	2.3		7.54
4	2.0		7.59
5	2.5		7.81
6	3.0		8.30
7	3.7		8.61
9	3.9		8.69
10	4.2		9.03
10a	4.8		9.20
11	5.0	α.3	9.58
12	4.8		9.51
13	5.7	β.5	9.87
14	6.7	β.8	10.27
15	6.9	γ.0	10.29
16	7.6	δ.9	10.74
17	8.0	δ.6	11.01
18	8.3	δ.8	11.35
19	8.2	δ.7	11.16
20		δ.9	11.35
23		ε.8	12.07

B 52305 : C7

1	1.7		6.85
2	3.7		7.75
3	~3.7		8.19
4	~4.3		8.29
5	5.0		8.66
6	6.2	γ.7	9.07
7	7.0	γ.3	9.36
8	7.7	δ.6	9.78
b	1.8		12.50
c	2.0		12.25
d	2.5		13.13

$\alpha = 51^m + 14.9 - 0.09$

08 W
+14.9
−0.07

53 E
+14.9
− 0.09

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1927phae.proj.1136.

B52202 ; RS Seq

				From B52294	−0.08	From B52300	−0.10	From 523.05	−0.08	Mean
a	4.2			9.07	8.99	8.89	8.79	8.32	8.24	8.67
b	4.8	2		9.51	9.43	9.18	9.08	8.58	8.50	9.00
c	5.8	6.7		10.30	10.22	9.94	9.84	9.00	8.92	9.66
d	7.3	8.8		11.07	10.99	10.68	10.58	9.54	9.46	10.34
e	5.8	6.7		10.19	10.11	9.83	9.73	9.00	8.92	9.54
f	7.9	8.8		11.53	11.45	11.13	11.03	9.75	9.67	10.72
g	9.0	10.6		12.10	12.02	11.67	11.57	10.10	10.02	11.20
h		8.5		12.60	12.52	12.27	12.17			12.35

Order ?

06

−.614

−.17

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1927phae.proj.1136

B 47167 : C 7

1	~0.5		6.85
2	1.5		7.75
3	2.2		8.19
4	2.6		8.29
5	3.0		8.66
6	3.7		9.07
7	4.2		9.36
8	4.8		9.78
10	5.0	α.5	10.30
11	5.7	α.8	10.33
12	6.0	β.3	10.58
13	6.6	β.7	10.88
14	7.2	γ.3	11.05
15	7.7	γ.8	11.23
17	8.3	δ.5	11.80

α = 0

+ 14.9

−0.07

B 47162 : C 7

C̄

1	~0.5		0.5	
2	1.6		1.5	
3	2.3		2.2	
4	2.6		2.6	
5	3.0		3.0	
6	4.0		3.8	
7	4.4		4.3	
8	4.8		4.8	
10	6.0	α.6	5.0	α.5
11	5.8	β.4	5.7	β.1
12	6.2	β.7	6.1	β.5
13	6.8	γ.3	6.7	γ.0
14	7.2	γ.5	7.3	γ.4
15	7.7	γ.8	7.7	γ.8
17	8.0	δ.7	8.2	8.6

α = 50

+ 14.9

−0.09

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1927phae.proj.1136.

B 47165 : RS Cent

				From B47167	− 0.14	From B47162	− 0.12	Mean
a	3.3			8.85	8.71	8.81	8.69	8.70
b	3.8			9.16	9.12	9.11	8.99	9.06
c	5.0	2.2		10.01	9.87	9.79	9.67	9.77
d	5.8	P.7		10.61	10.47	10.47	10.35	10.43
d'	6.4	8.2		10.89	10.75	10.79	10.67	10.71
e	4.8	2.5		10.03	9.89	10.14	10.02	9.94
f	7.3	8.7		11.27	11.13	11.18	11.06	11.10
g	7.8	8.3		11.48	11.34	11.50	11.38	11.36
h	8.5	8.7		11.75	11.61	11.83	11.71	11.66
k		6.7		12.27	12.13	12.34	12.22	12.18
l		6.8		12.32	12.18	12.38	12.26	12.22
m		8.3		12.57	12.43	12.67	12.55	12.49
n'		~ 4		12.90	12.76	13.07	12.95	12.85

Iden ?

12 W

−6.3

−.21

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1927phae.proj.1136.

B 52269:C7

1	~1.5		6.85
2	3.0		7.75
3	3.7		8.19
4	4.3		8.29
5	4.5	α.0	8.66
6	4.8	α.3	9.07
7	5.8	β.0	9.36
8	7.0	γ.0	9.78
10	7.5	8.8	10.30
11	7.7	8.3	10.32
12	8.0	8.5	10.58
13	8.2	87	10.88
14	—	ε.0	11.05
15	—	ε.4	11.23
17	—	~~ζ~~	11.80

spect

α = 20

+ 14.9

− 0.08

B52258:C6

1	~0		6.75
2	?		6.88
3	1.5		7.54
4	1.7		7.59
5	2.0		7.81
6	2.6		8.30
8	3.2		8.61
9	3.5		9.69
10	3.9		9.03
10a	4.3		9.20
11	4.7		9.58
12	4.8	α	9.51
13	5.4	α.8	9.87
14	5.6	β.5	10.27
14a	7.6	8.7	~~10.27~~
15	5.8	β.0	10.27
16	7.3	8.3	10.74
17	7.5	8.6	11.01
18	8.0	87	11.35
19	7.8	8.6	11.16
20	79	8.8	11.35
23		ε.8	12.07

44E

+ 15

− 0.09

B52263:C6

1	0.5	
2	1.0	
3	2.6	
4	2.2	
5	2.8	
6	3.5	
8	4.0	
9	4.2	
10	4.4	
10a	4.8	α.3
11	5.8	β.7
12	5.5	β.3
13	6.5	8.0
14	7.0	8.5
14a	8.2	ε.2
15	7.2	8.7
16	8.2	8.8
17		ε.5
18		ε.8
19		ε.9
20		ζ
23		η

06

T 14.9

− 0.07

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1927phae.proj.1136.

B: 52265; R S Cen

			From B52269	− 0.10	From B52258	−0.09	From B52263	−0.11	Mean
a	4.5		8.64	8.54	9.40	9.31	8.90	8.79	8.90
b	4.8		8.80	8.70	9.57	9.48	9.07	8.96	9.05
c	7.2		10.12	10.02	9.93	9.86	10.29	10.18	10.02
d	8.0	8.4	10.58	10.48	11.28	11.19	10.61	10.50	10.72
d'	8.5	8.7	10.80	10.70	11.75	11.66	10.81	10.70	10.69
e	—	8.8	10.80	10.70	11.47	11.38	10.78	10.67	10.92
f	—	9.3	11.04	10.98	11.73	11.64	11.04	10.93	11.18
g	—	9.0	11.47	11.37	12.08	11.99	11.38	11.27	11.34
h	—	9	11.98	11.88	12.60	12.51	11.89	11.78	12.06
k	—	—							

	Means				Mean	
a	8.67	8.70	8.90	8.57	8.71	
b	9.00	9.06	9.05	9.12	9.06	
c	9.66	9.77	10.02	9.75	9.80	
d	10.34	10.43	10.72	10.31	10.45	
d'	—	10.71	10.69	10.64	10.68	
e	9.59	9.94	10.92	—	10.15	not sure of stars
f	10.72	11.10	11.18	11.02	11.01	
g	11.20	10.36	11.18	11.49	11.06	
h	12.35	11.64	12.06	11.80	11.97	
k		12.18		12.09	12.14	
l		12.22		12.36	12.29	
m		12.49		12.49	12.49	
n'		12.85		12.97	12.91	

15
−61.4
− 0.18

R S Centauri

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1927phae.proj.1136

RS Cent

B52676:CC

1	20	–	6.75
2	–	–	6.88
3	1.2	–	7.54
4	1	–	7.59
5	1.5	–	7.81
6	1.8	–	8.30
8	2.0	–	8.61
9	3.0	–	9.69
10	2.2	–	9.03
10a	3.8	–	9.20
11	4.2	–	9.58
12	3.7	–	9.51
13	4.7	α.3	9.89
14	4.9	α.7	10.27
15	4.8	α.8	10.27
16	5.8	β.3	10.74
17	6.6	β.8	11.01
18	7.3	8.5	11.35
19	7.2	8.5	11.16
20	7.3	8.5	11.35
22	8.5	8.8	12.07

32 ✓

+15

-0.09

B52687:C7

1	20		
2	21		
3	1.6		
4	1.5		
5	2.6		
6	2.8		
7	4.0		
8	4.4		
9	4.8		
10	5.3	α.5	
11	5.7	β.0	
12	5.8	β.3	
13	6.4	β.8	
14	6.8	8.2	
15	7.5	8.7	
17	8.6	9.3	

48

15

-0.09

B52682:C7

1	–	–	6.85
2	–	–	7.75
3	2.2	–	8.19
4	2.3		8.29
5	2.7		8.66
6	2.5		9.07
7	3.4		9.36
8	4.4		9.78
9	3.8		
10	4.7		10.30
11	5.6	α.8	10.33
12	5.0	α.7	10.58
13	5.6	β.7	10.88
14	5.8	β.8	11.05
15	6.3	8.0	11.23
17	7.3	8.7	11.80

13

+15

-0.08

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1927phae.proj.1136.

B52678			From B52671	−0.10	From B52687	−0.10	From B52676	−0.11	Mean
a	2.5		8.63	8.52	8.81	8.71	8.67	8.56	8.57
b	3.3		9.17	9.07	9.27	9.17	9.24	9.13	9.12
c	4.7		10.03	9.93	10.00	9.90	9.54	9.43	9.75
d	5.3	α.8	10.36	10.26	10.33	10.23	10.56	10.45	10.31
d'	5.8	β4	10.71	10.61	10.61	10.51	10.91	10.80	10.64
e			—	—	—	—	—	—	—
f	6.8	β8	11.08	10.98	10.96	10.86	11.32	11.21	11.02
g	7.5	δ.0	11.56	11.46	11.35	11.25	11.88	11.77	11.49
h	8.0	δ8	11.88	11.78	11.59	11.49	12.24	12.13	11.86
K	–	ε5	12.37	12.27	11.88	11.78	12.33	12.22	12.09
l	–	ε7	12.47	12.37	11.95	11.85	12.97	12.86	12.36
m	–	ξ	12.58	12.48	12.04	11.94	13.16	13.05	12.49
n'	–	~η	13.08	12.98	12.36	12.26	13.78	13.67	12.97

Mean of all reductions in the right-hand column ↓ p131

41

−6.4

−0.19

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1927phae.proj.1136

S Sculptoris

B 45759 : C 12

			1922 Mag
1	—		6.59
2	—		6.99
3	0.3		7.29
4	0.7		7.59
5	1.5		7.89
6	2.3		8.31
7	2.7		8.53
8	?		8.71
9	3.5		9.16
10	3.7		9.12
11	4.0		9.48
12	4.6		9.79
13	4.8		10.00
14	4.8		10.12
15	5.0	α	10.05
16	5.3	α.8	10.60
17a	7.4	γ.7	11.32
20	8.0	δ.7	12.14
21	8.2	δ.8	12.47
21a		ε.3	12.90
22		ε.7	13.16
23		ε.8	13.27
25		δ.5	13.74
26		η	13.92
36			
+15			
			−0.09

B 45764 : C 12

			Mean
1	—		—
2	—		—
3	0.5		0.4
4	1.0		0.8
5	1.4		1.5
6	1.7		2.0
7	2.0		2.4
8	?		—
9	3.0		3.2
10	2.8		3.2
11	3.3		3.6
12	3.8		4.4
13	4.3		4.5
14	4.8		4.8
15	4.7	α.4	4.9
16	5.3		5.3
17a	5.8	β.6	6.6
20	7.6	γ.8	7.8
21	7.9	δ.3	8.1
21a	8.7	ε.3	
22		ε.6	
23		ε.7	
25		δ.3	
26		~η	
28			
+15			
			−0.07

B 45770 : C 1

1	—		7.19
2	—		7.41
3	0		7.53
4	α1		8.02
5	2.0		8.43
6	1.8		8.58
7	2.2		8.78
7a	~3		8.98
8	3.5		9.34
9	3.5		9.44
13	4.7	α.3	10.37
13a	5.2	β.2	10.66
14	5.7	β.7	10.84
15	6.8	γ.5	11.28
18a	8.0	δ.7	—
18			
+15			
			6.08

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1927phae.proj.1116.

B 45767 : SScul

			From 45759 45764	−0.07	From 45770	−0.06	Mean
a	~0		7.00	6.93	7.45	7.39	7.16
b	0.7		7.47	7.40	7.86	7.80	7.60
c	1.7		8.12	8.05	8.44	8.38	8.22
c'	2.0		8.31	8.24	8.61	8.55	8.39
d	3.3		9.18	9.11	9.36	9.30	9.21
e	3.7		9.44	9.37	9.60	9.54	9.36
f	5.6		10.20	10.13	10.70	10.64	10.38
f'	6.7	8.3	11.49	11.42	11.26	11.20	11.31
g	6.8	8.5	11.58	11.51	11.39	11.33	11.42
h	7.5	8.8	11.91	11.84	11.60	11.54	11.69
K	7.8	8.7	11.88	11.81	11.89	11.83	11.82
K'	8.3	8.8	12.02	11.95	12.06	12.00	11.98
l		8.3	12.90	12.85	12.07	12.01	12.43
m		8.8	13.26	13.21	12.27	12.21	12.71
n		9.8	13.80	13.75	12.72	12.66	13.20

5

-37.6

-0.02

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1927phae.proj.1136.

S Sculptoris

B48663 : C12

B48668 : C12

B48674 : Cr Kim: useless

1	0		6.59		—	
2	0.6		6.99		—	
3	1.2		7.29		0	
3a	1.8		~~7.~~		0.5	
4	2.0		7.59		0.5	
5	2.3		7.89		~1	
6	3.2		8.31			
7	3.5		8.53			
8	?		8.71			
9	4.3		9.16			
10	~4.5		9.12			
11	4.7		9.48			
12	4.9		9.79			
13	5.4		10.00		4.5	8.4
14	5.8	2.7	10.12		5.5	B.0
15	5.5	2.8	10.05		5.5	B.0
16	6.4	8.2	10.60		6.6	8.7
17	7.3	8.6	10.87		7.4	8.5
17a	7.7	8.8	11.32		7.7	8.3
18	7.8	8.4	11.54		7.9	8.7
19	8.3	8.7	11.71		8.3	E.0
20	—	8.9	12.14			E.5

Reject images, especially brighter stars, very poor

4

f15.1

-0.07

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1927plate.proj.1136.

B 48669 S Scul.

			From B 4866	−0.05
a	1.5		7.38	7.33
c	2.0		7.70	7.65
c	2.5		8.03	7.98
c'	2.8		8.22	8.17
d	3.5		8.87	8.83
e	4.1	2	9.44	9.39
f	6.0	6.7	10.42	10.37
f'	7.8	8.3	11.50	11.45
g	7.8	8.8	11.67	11.62
h	8.0	8.8	11.73	11.68
K'	8.7	6.3	12.65	12.60
K		6.5	12.33	12.28
K'		6.7	12.47	12.42
l		5	12.65	12.60
m		7	13.29	13.24

0.
-32.6

− 0.02

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1927phae.proj.1136

B 48513 : C12

1	2.0		6.59
2	2.2		6.99
3	2.7		7.29
3a	3.0		—
4	~3.3		7.59
5	~3.2		7.89
6	3.5		8.31
7	—		8.53
8	—		8.71
9	4.7		9.16
? may pair 10	~4.0		9.12
11	4.7	α-0.3	9.48
12	5.2	α.4	9.79
13	5.5	α.7	10.00
14	5.8	β.6	10.12
15	—	—	10.05
16	7.3	8.7	10.60
17	7.7	8.3	10.87
17a	7.8	8.6	11.32
18	8.0	8.8	11.54
19		ε5	12.14

52
+151
−0.09

B 48519 : C1

1	3.2		7.19	
2	—		7.41	
3	3.3		7.53	
4	—		8.02	
5	3.8		8.43	
6	4.2		8.58	
7	4.5		8.78	
8	4.8		9.34	
9	5.3	α.2	9.44	
10	5.7	α.7	9.87	
12	6.5	β.6	10.2~	
13	6.3	β.7	10.27	
13a	6.5	β.8	10.66	
14	7.5	8.7	10.84	
15	7.8	8.3	11.28	
16	8.5	8.7	11.44	
17		ε3	11.74	
18		8.0	12.18	
19		8.5	12.45	

02
+15.1
−0.07

B 48524 : C1

1	2.6		
2	—		
3	2.8		
4	—		
5	3.7		
6	3.8		
7	4.0		
8	4.6		
9	—		
10	—		
11	—		
12	6.0	β.3	
13	6.3	β.7	
13a	6.6	8.0	
14	7.3	8.5	
15	7.7	8.1	
16	8.0	8.8	
17	8.3	ε	
18		8.3	
19			

59
15.1
−0.10

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1927phae.proj.1136.

B 48516 : S Sculptoris

				From B48513	−0.07	From B48519	−0.05	From B48524	−0.08	Mean
a	2.7			7.38	7.31	—		7.38	7.30	7.30
b	3.3			8.07	8.00	7.45	7.40	8.06	8.98	8.13
c	4.0			8.81	8.74	8.48	8.43	8.78	8.70	8.62
c'	~ 4.3			9.09	9.02	8.77	8.72	9.02	8.94	8.89
d	5.0			9.51	9.44	9.36	9.31	9.57	9.49	9.41
e	5.3			9.81	9.74	9.60	9.55	9.76	9.68	9.66
f	7.5	8.3		10.81	10.74	10.85	10.80	10.95	10.87	10.80
f'		8.7		11.43	11.36	11.47	11.42	11.50	11.42	11.40
g		8.7		11.42	11.36	11.47	11.42	11.50	11.42	11.40
h		6.2		11.70	11.63	11.74	11.69	11.76	11.68	11.37
h'		8.5		12.42	11.36	12.46	12.41	12.43	12.35	12.04
k		8.7		12.54	11.47	12.56	12.51	12.54	12.46	12.15
k'		η		12.70	11.63	12.73	12.68	12.70	12.62	12.31

18
−32 6
− 0.92

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1927phae.proj.1136.

S Scul

B 49135 : C12

1	1.6		6.59
2	1.8		6.99
3	2.7		7.29
4	2.8		7.59
5	~3		7.89
6	3.7		8.21
7	—		8.53
8	—		8.71
9	4.7		9.16
10	8		9.12
11	4.7		9.48
12	4.8	α.2	9.79
13	4.9	α.5	10.00
14	5.8	β.0	10.12
15	5.7	α.8	10.05
16	6.2	β.7	10.60
17	6.8	γ.2	10.87
17a	7.3	γ.0	11.32
18	7.5	γ.7	11.54
20	8.0	δ.8	12.14
21		ε.2	12.47
22		ζ.3	13.16
23		ζ.8	13.27
48			
+ 15.1			
− 0.09			

B 49141 : C1

1	1.7		7.19
2	2.5		7.41
3	2.0		7.53
4	2.7		8.02
5	3.7		8.43
6	3.6		8.58
7	4.2		8.78
8	4.7		9.34
9	4.9		9.44
11	5.6	α.7	9.87
12	5.8	β.5	10.23
13	6.5	β.8	10.37
14	6.8	γ.0	10.84
15	7.7	δ.5	11.28
16	7.9	δ.8	11.44
17	8.3	δ.8	11.74
18		ε.5	12.18
19		ε.8	12.45
20		ζ.6	12.87
21		ζ.8	13.17
0			
+15.1			
−0.07			

B 49146 : C1

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1027phae.proj.1136.

B Y 9126 ; S Scul

			From B49141	−0.05	From B49135	−0.07	Mean
a	1.3		6.90	6.85	6.44	6.37	6.61
b	2.0		7.44	7.39	7.02	6.95	7.17
c	2.7		7.91	7.86	7.58	7.51	7.69
c'	3.3		8.33	8.28	8.09	8.02	8.15
d	4.0		9.21	9.16	9.17	9.10	9.13
e	4.8	4.0	9.26	9.21	9.40	9.33	9.27
f	6.7	6.7	10.94	10.66	10.97	10.90	10.78
f'	8.0	8.8	11.65	11.60	12.04	11.97	11.79
g	7.8	8.7	11.54	11.49	11.93	11.86	11.67
h		6.0	11.90	11.85	12.27	12.20	12.03
k		6.7	12.03	11.98	12.75	12.68	12.33
l		6.8	12.10	12.05	12.82	12.75	12.40
m		8.8	13.14	13.09	13.50	12.43	13.26
n							

	Means				Mean
a	7.16	7.33	7.30	6.61	7.10
b	7.60	7.65	8.13	7.17	7.64
c	8.22	7.98	8.62	7.69	8.13
c'	8.39	8.17	8.89	8.15	8.40
d	9.21	8.83	9.41	9.12	9.15
e	9.36	9.39	9.66	9.27	9.42
f	10.38	10.27	10.80	10.78	10.58
f'	11.31	11.45	11.40	10.79	11.24
g	11.42	11.62	11.40	11.67	11.53
h	11.69	11.68	11.37	12.03	11.69
h'		12.60	12.04		12.32
k	11.82	12.28	12.15	12.33	12.15
k'	11.98	12.42	12.31		12.18
l	12.93	12.60		12.40	12.64
m	12.71	13.24		13.26	13.07
n	13.20				13.20

−0.02

S Sculptor

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1927phae.proj.1136

S Tucanae 001862

MF 4682 : C1				MF 4692 : C2				MF 4688 : E1			
4	a-		8.02	6	a.5		8.78	6	a(-)		8.30
5	6.5		8.43	7	6.8		9.20	7	6.7		8.51
6	6.3		8.58	8	c.7		9.26	8	c.3		8.99
7	9.7		8.78 ?	9	c.5		9.40	9	c		8.84
8	c.7		9.34	10	d2		9.52	10	a.2		8.60
9	d5		9.44	11	d7	1.2	9.92	11	d7	1.3	9.65
11	e.2	2.0	9.87	12	e.7	2.6	10.17	12	c3		9.25
12	f.2	2.8	10.23	13	f.8	3.5	10.64	13	e.3	2.7	10.13
13	f.6	3.2	10.37	14	g.5	4.3	11.02	14	f2	3.0	10.40
14	g.8	4.7	10.84	15	h.3	4.8	11.27	15	f3	3.2	10.58
15	α.6	5.3	11.28	16		5.3	11.42	16	g.2	3.7	10.64
16	β.2	5.7	11.44	17	=	5.7	11.67	17	34	4.2	10.94
17	β.8	6.2	11.74	19	β.8	6.7	12.07	18	= α.2	5.2	11.49
18	8.5	7.7	12.18	21	8.7	8.5	12.74	19	β.7	6.4	11.99
19	87	7.8	12.45					20	8.2	7.2	12.09
20	ε.6	8.7	12.87					21	8.2	7.2	12.13
21	ε.8		13.17					22	8.6	7.5	12.48
								23	8.3	7.8	12.70
		45				22				13	
		+15				+15				-45	

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1927phae.proj.1196.

MF 4685				From MF 4682	−0.09	From MF 4693	−0.08	From MF 4688	−0.06
a	c.6	0.4		9.17	9.08	9.39	9.31	9.24	9.18
b	e7	2.3		10.01	9.92	10.19	10.11	10.10	10.04
c	f.2	2.9		10.22	10.23	10.41	10 33	10.35	10.29
d	g.8	4.4		10.90	10 81	11.03	10.95	11.02	10.96
e	α(-2)	4.7	h 3	10.97	10 88	11.29	11.21	11.23	11.17
f	β.2	5.8		11.49	11.40	11.77	11.69	11.75	11.69
g	83	77		12.34	12.25	12.54	12.46	12.60	12.54
h	88	—		12.52	12.43	12.77	12.68	12.87	12.81
K	e5	—		12.80	12.71	13.00	12.92	13.14	13.08
l	86			13.24	13.15	13.40	13.32	13.59	13.53
m	88			13.32	13.23	13.46	13.38	13.67	13.61

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1927phae.proj.1136

S Tucanae

MF 7175 : C1

4	a.8		8.02
5	c.4		8.43
6	c.7		8.58
7	c		8.78
8	e.2		9.34
9	e.5	2.2	9.44
11	f.4	3.3	9.87
12	g.4	3.8	10.23
13	g.7	4.5	10.37
14	α.3	5.2	10.84
15	B.6	6.7	11.28
16	Y.2	7.2	11.44
17	8.7	7.6	11.74
18	δ.4	8.3	12.18
19	ϵ.0	—	12.45
20	ϵ.7	—	12.87
21	ζ.2	—	13.17

42
+15

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1927phte.proj.1136.

MF 7172 (Sequence 1 S Tuc)

			From MF 7175	+0.09
a	d	0.6	8.88	8.79
b	f.3	3.3	9.85	9.76
c	g5	4.2	10.32	10.23
d	$\overline{B0}$	5.3	10.88	10.79
e	p.5	5.8	11.09	11.00
f	8.0	7.6	11.82	11.73
g	€.2	8.6	12.37	12.28
h	€.6		12.81	12.72
k	€.8		12.93	12.84
l	(η 0)		13.04	12.95
m	~ξ		13.67	13.58

Mean P_g Mags for Sequence Stars for S Tucanae

a	9.09
b	9.96
c	10.27
d	10.88
e	11.07
f	11.63
g	12.38
h	12.66
k	12.89
l	13.24
m	13.45

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1927phae.proj.1136.

AR Scorpio 164528

MF 3971 : C 8

6	a 1		8.19
7	d.3	0.5	8.93
8	c.3		9.10
9	d.6	0.7	9.38
10	e.4	1.8	9.70
11	g.7	4.2	9.68
12	e.7	2.4	9.94
13	f.5	3.2	10.09
14	f.8	3.6	10.18
15	g.8	4.2	10.58
16	h	4.8	10.74
17	α.8	5.5	10.86
18	α.5	5.3	10.90
19	β.0	5.6	10.90
20	β.3	5.7	10.99
21	84	7.2	11.64
22	80	7.8	12.06
23	8.3	8.0	12.23
24	85	8.2	12.33
25	88	—	12.50

MF 3982 : C9

4	a(-2)		7.87
5	a3		8.13
6	66		8.57
7	c5	0.3	9.18
8	e3	2.2	9.71
9	g2	3.8	10.30
10	=	4.6	10.88
11		4.7	10.72
12		4.5	10.79
13	α.4	5.2	10.95
14	α.7	5.3	11.02
15	β8	6.3	11.37
16	88	7.3	11.84
17	82	7.7	12.07
18	88	8.5	12.65
19	86		12.73
20	—	—	—
21	88	—	1332
22	58	—	1366

MF 3977 : (E7)

5	a5		794
6	a8		825
7	6		816
8	65		853
9	63		837
10	c7	0.5	890
11	d0	0.7	895
12	67		886
13	c3	0.3	899
14	d8	1.8	942
15	e0	1.7	941
16	d7	1.7	934
17	e2	2.2	952
18	—	—	985
19	—	—	—
20	—	—	—
21	g.3	3.7	10.20
22	97	4.3	10.47
23	g.5	4.3	10.64
24	α	4.7	10.73
25	α5	5.3	10.91
26	β2	5.7	11.23
27	β4	6.2	11.44
28	β8	6.3	11.43
29	β8	6.4	11.43
30	85	7.2	11.93

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1927phae.proj.1136.

MF 3979: RR Sco.

a'	a2	
a²	c5	
b	a	
d	d7	05
d'	d3	
d²	83	76
e	f2	27
e'	26	53
f	g3	36
g	—	47
h	β6	58
K	γ8	75
l	δ8	
l'	ε8	
m	ε2	
n	ζ4	
o	η?	??

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RR Sco.

MF 6272 : C 8

5	a		7.98
6	c2		8.19
7	d8	1.3	8.93
8	d4	1.0	9.19
9	e3	22	9.38
10	g0	35	9.70
11	f4	33	9.69
12	g2	37	9.94
13	g5	42	10.09
14	g8	47	10.18
15	α3	52	10.58
16	α6	55	10.74
17	β2	58	10.86
18	β3	59	10.90
19	β5	62	10.90
20	β3	57	—
21	γ7	73	11.66
22	δ4	83	12.06
23	δ8		12.23
24	δ7		12.33
25	ε2		12.50
26	ε8		12.98
27			

MF 6277 : D 9

4	a		7.63
5	c		7.81
6	c3		8.40
7	d3		8.60
8	d6		8.47
9	d4		8.57
10	e4	25	9.45
11	e7	27	9.53
12	f6	33	9.61
12	f4	32	9.68
14	g7	42	10.07
15	g6	42	10.17
16	h2	46	10.37
17	=	47	10.27
18	α6	53	10.75
19	α8	54	10.74
20	β3	62	11.06
21	β7	65	11.26
22	γ3	72	11.29
23	γ8	77	11.75
24	γ6	73	11.75
25	δ7	82	11.83
26	δ5	80	12.28
27	ε7	—	12.73
28	ε4	—	12.73
29	δ3	—	12.93
30	δ7	—	13.45

MF 6281 : D 9

5	a		7.81
6	γ7		8.40
7	c3		8.60
8	c5		8.47
9	d0		8.57
10	e7	2.0	9.45
11	f0	2.4	9.53
12	f7	33	9.61
13	g0	3.5	9.68
14	g7	4.3	10.07
15	=	47	10.17
16	[illegible]	48	10.37
17	α5	53	10.27
18	β3	57	10.75
19	β5	55	10.74
20	β7	60	11.06
21	δ3	70	11.26
22	δ7	73	11.29
23	δ3	79	11.75
24	ε2	—	11.75
25	ε3	—	11.83
26	ε2	—	12.28
27	δ8		12.73
28	ε8		12.73
29	η		1293

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1927phae.proj.1136.

MF 6283: Cg

Kon plate	6	d-7	-	8.57
	7	c4		9.18
	8	e	1.5	9.71
	9	g3	35	10.30
	10	α3	52	10.88
	11	α7	55	10.72
	12	β0	55	10.79
	13	β3	57	10.95
	14	β4	60	11.02
	15	δ3	76	11.37
	16	δ5	78	11.84
	17	δ7	82	12.07
	18	ε8	-	12.65
	19	ξ		12.73
	20	ξ7		13.01
	21	ξ9		13.32

MF 6279: RR Sco.

a	α5		
a'	c6	03	
a²	d3	05	
b	c1		
d	e	15	
d'	d7	1.3	
d²	γ3	72	
e	g1	48	
e'	α4	55	
f	g4	37	
g	h4	47	
h	β2	57	
k	γ	68	
l	δ0	77	
l'	ε4		
m	δ7		
n	ξ7		
o	η5	??	

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1927phae.proj.1136

	From MF 3971		From M 3982		From M 3977		From MF 6272	
		+0.09		+0.09		−0.06		−0.09
a							7.73	7.64
a′	8.07	7.98	8.03	7.94	7.94	7.88	8.75	8.66
a²	8.96	8.87	8.97	8.88	8.84	8.78	8.90	8.81
b	8.00	7.91	7.94	7.85	7.87	7.81	8.58	8.49
d	9.37	9.28	9.34	9.25	9.08	9.02	9.16	9.17
d′	9.27	9.18	9.30	9.21	9.26	9.20	9.09	9.00
d²	12.19	12.10	12.11	12.02	12.12	12.06	11.42	11.33
e	9.97	9.88	10.00	19.91	9.87	9.81	9.95	9.86
e′	10.71	10.63	10.97	10.88	10.98	10.92	10.63	10.54
f	10.32	10.23	10.40	10.31	10.29	10.23	9.94	9.85
g	10.60	10.51	10.73	10.64	10.70	10.64	10.31	10.22
h	11.10	11.01	11.28	11.19	11.31	11.25	10.80	10.71
k	11.90	11.81	11.71	11.62	11.97	11.91	11.25	11.16
l	12.52	12.43	12.48	12.39	12.42	12.36	11.78	11.69
l′	13.14	13.05	13.06	12.97	12.86	12.80	12.68	12.59
m	12.76	12.67	12.72	12.63	12.58	12.52	12.21	12.12
n	13.50	13.41	13.40	13.31	13.14	13.08	13.63	13.54
o	13.87	13.78	13.78	13.69	13.51	13.45	14.22	14.13
	(33; +15)		(44; +15)		(33; −45)		(24; +15)	

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1927plate: proj. 1136.

From		From		From	
MF6277	−0.01	MF6281	−0.08	MF6283	−0.09
7.14	7.13	7.66	7.58	8.62	8.53
8.36	8.35	8.67	8.59	10.00	9.91
8.51	8.50	8.81	8.73	9.35	9.26
8.23	8.22	8.48	8.40	9.14	9.05
9.00	8.99	9.09	9.01	9.57	9.48
8.83	8.82	9.00	8.92	9.61	9.52
11.51	11.50	11.24	11.16	11.39	11.30
9.93	9.92	9.84	9.76	10.18	10.09
10.64	10.63	10.41	10.33	10.71	10.62
9.97	9.96	9.85	9.78	10.14	10.05
10.42	10.41	10.20	10.12	10.42	10.33
10.90	10.89	10.64	10.56	10.92	10.83
11.36	11.35	11.12	11.04	11.28	11.19
11.82	11.81	11.55	11.47	11.66	11.57
12.57	12.56	12.13	12.05	12.42	12.33
12.22	12.21	11.80	11.72	12.09	12.00
13.23	13.22	12.73	12.65	13.04	12.95
13.64	13.63	13.10	13.02	13.42	13.33
(31°; −15)		(20°; −15)		(47°; +15)	

Mean P_g Mags for Sequence of RR Scorpionis

a	7.72
a′	8.47
a²	8.83
b	8.26
d	9.17
d′	9.12
d²	11.64
e	9.89
e′	10.65
f	10.06
g	10.41
h	10.92
k	11.44
l	11.96
l′	12.72
m	12.27
n	13.17
o	13.58

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1927phae.proj.1136

Y Eridani 020158 Sequence Identified on AX 885

MF 7047: E1

5	a2		7.70
6	b3		8.30
7	c3		8.51
8	c7		8.99
9	d3		8.84
10	c5		8.60
11	e7		9.65
12	d6	07	9.25
13	f3	27	10.13
14	g0	33	10.40
15	g3	36	10.58
16	g5	40	10.64
17	h0	45	10.94
18	β0	57	11.49
19	δ0	76	11.79
20	δ6	73	12.09
21	δ2	77	12.13
22	δ7	83	12.48
23	ε0	–	12.70
24	ε6	–	13.00
25	ξ0	–	13.16
26	ξ7	–	13.37
27	η	–	13.67

MF 7052: D2

6	a3		8.44
7	b		8.65
8	c3		8.52
9	c7		9.01
10	d7	13	9.19
11	d5	10	9.53
12	f??	28??	9.69
13	g3	32	9.94
14	h	46	10.39
15	β2	54	10.75
16	β5	54	10.74
17	β8	63	11.05
18	δ0	75	11.56
19	δ3	77	11.78
20	δ7	82	11.86
21	ε8	–	12.46
22	ξ7	–	12.63
23	η	–	12.73

MF 7053 C2

2	a3		7.25
3	a		7.67
4	b7		8.29
5	c2		8.24
6	c7		8.78
7	d8	13	9.20
8	e2	18	9.26
9	e5	20	9.40
9a	g0	34	–
9b	g3	37	–
9c	d6	15	–
10	c7	25	9.52
11	f5	27	9.92
12	g5	43	10.17
13	α(-2)	47	10.64
14	α7	53	11.02
15	β3	53	11.27
16	β6	57	11.42
17	δ3	73	11.67
18	–	–	11.75
19	δ0	75	12.07
20	δ8	–	12.45
21	ε3	–	12.74
23	ξ5	–	13.04
24	ξ3	–	13.28

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1927plate.proj.1136.

MF 7048: Y Eri.

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1927phae.proj.1136

γ Eridani

MF 7188: C 1

MF 7193: D 2

MF 7194: D 2

5	a5		7.91
6	c3		8.44
7	d2		8.65
8	d5		8.52
9	e	0.7	9.01
10	f	27	9.19
11	g	36	9.53
12	f6	33	9.69
13	g5	40	9.94
14	α3	52	10.39
15	β3	58	10.75
16	e7	62	10.74
17	δ2	72	11.05
18	δ3	77	11.56
19	δ7	82	11.98
20	δ8-ε	-	11.86
21	ε7	-	12.46
22	ξ	-	12.63
23	ξ5	-	12.73

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MF 7191: Y Enid

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R Gruis 214247

MF 6382: C11

8	b6		7.70
4	a8		797
5	—		—
6	d6		8.56
7	e2	18	8.95
8	e7	23	9.17
9	f4	28	9.51
10	f8	30	9.62
11	g7	40	10.04
12	g5	37	10.05
13	g7	42	10.02
14	h0	44	10.18
15	α2	48	10.62
16	β3	58	10.93
17	γ2	70	11.26
18	γ4	72	11.20
19	γ7	75	11.56
20	γ8	78	11.63
21	δ5	84	12.10
22	δ8		12.13
23	ε4		12.10
24	ζ5		12.64
26	ζ8		13.15

MF 6385: F3

5	a3		7.68
6	c		8.15
7	c7		8.00
8	c5		8.01
9	d4		—
10	c0		8.45
11	d		855
12	d3		8.76
13	e4	2.3	9.16
14	e2	20	9.33
15	f8	30	9.60
16	g2	32	9.62
17	g5	38	9.98
18	h2	44	10.22
19	α(-1)	46	10.33
20	α2	50	10.43
21	β2	56	1081(?)
22	β3	58	10.89
23	β7	60	11.00
24	γ3	72	11.17
25	γ5	73	11.45
26	γ7	79	11.83
27	δ7		11.87
28	δ9		12.08
29	ε7		12.29
30	ε5		12.34

MF 6387: D11

1	a(3)		7.05
2	b3		7.38
3	b7(?)		7.44
4	c7		7.58
5	b2		7.67
6	c5		7.69
7	c5		7.91
8	c5		7.81
9	d3		8.35
10	d9		8.48
11	d7	13	8.55
12	e3	20	8.90
13	e5	23	9.28
14	g8	37	9.58
15	g8	43	10.01
16	h0	46	10.02
17	α5	52	10.25
18	—	—	10.42
19	α7	56	10.43
20	α8	57	10.57
21	β3	59	10.66
22	β4	59	10.62
23	γ0	67	10.74
24	γ8	66	10.61
25	γ7	74	11.36
26	δ0	77	11.47
27	δ7	83	11.66
28	δ8		11.74
29	ε10		12.09
30	ε6		12.57
31	ζ7		1291
32			

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MF b2930 12

3	a		7.29	a	c2		
4	a5		7.59	b	e5	23	
5	b		7.89	c	90	38	
6	c7		8.31	d	97	44	
7	d5		8.53	e	2-2	47	
8	d7	15	8.71	f	02	57	
9	e8	26	9.16	g	81	72	
10	f0	27	9.12	h	87	82	
11	f6	33	9.48	h'	88		
12	g3	37	9.79	k	85		
13	(k-3)	45	10.00	l	92		
14	l2	47	10.12				
15	l0	43	10.05				
16	m3	57	10.60				
17	n0	68	10.87				
18	82	77	11.54				
19	86	80	11.71				
20	e0		12.14				
21	e2		12.47				
22			13.16				

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R Gruis 214247

MF 6784 : C11

3	a		7.70
4	a-5		7.97
5	—		—
6	67		8.56
7	c7		8.95
8	d5		9.17
9	e	13	9.51
10	e7	23	9.62
11	f8	32	10.04
12	g3	35	10.05
13	43	40	10.02
14	94	37	10.18
15	h3	47	10.62
16	d7	57	10.92
17	e8	((	11.26
18	80	70	11.20
19	—	—	—
20	87	73	11.63
21	84	78	12.10
22	87	—	12.13
23	88	—	12.10
24	e3		12.64
25	e6		13.15
26			
27	7		

MF 6788 : D11

4	6		
5	—		
6	63		
9	68		
10	c3		
11	c7		
12	d3		
13	d7	1.0	
14	e0	17	
15	f0	30	
16	g5	43	
17	h0	47	
18	g3	45	
19	a-2	50	
20	h3	47	
21	a3	53	
22	a3	53	
23	p0	60	
24	p4	58	
25	p8	67	
26	84	68	
27	84	78	
28	88	82	
29	e3	-	
30	e6		
31			

MF 6795 : C12

2	a3		
3	63		
4	67		
5	c3		
6	d7		
7	e7	2.2	
8	f0	25	
9	f7	33	
10	g5	40	
11	g6	42	
12	h4	50	
10	a0	53	
14	a8	57	
15	a3	53	
16	p5	67	
17	85	75	
18	85	80	
19	—	—	
20	e3		
21	e7		
22	-	-	

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MF 6791: R Gru

a	65	
b	d3	15
c	f6	02
d	97	40
e	h3	43
f	2	47
g	f3	62
h	Y6	73
h'	80	77
K	∈C	—
l	ξ2	
l'	72	85
l²	—	
m	—	

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	From MF 6382	From MF6385	From MF 6387	From MF 6393
a	8.07	8.31	7.82	8.20
G	9.18	9.20	8.99	9.05
c	9.83	9.83	9.62	9.65
d	10.06	10.08	9.91	9.90
e	10.31	10.32	9.96	9.99
f	10.83	10.83	10.55	10.58
g	11.48	11.50	11.24	11.31
h	11.91	11.95	11.76	11.80
h'	12.05	11.97	11.94	11.97
K	12.77	12.67	12.81	12.86
l	13.20	13.10	13.34	13.38

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a	c2	
b	e5	23
c	90	38
d	97	44
e	α-2	47
f	α2	57
g	δ6	73
h	87	82
h'	88	
k	55	
l	η5	

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