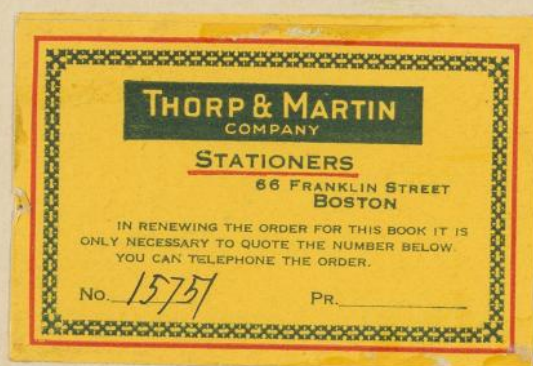


KG
11366
129

56

KG 11366 .129



Mary L. Miller

Work under C. H. Payne

MF, MC, I, + B plates 5° in dec. either way
about 20 m in R.A. " "

Adjusting periods:

Later epochs to go to right, shorten period

20 epochs in 30 days

$$\frac{30}{20} = 1.5$$

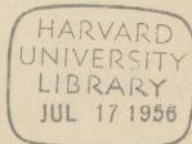
$$\frac{1.5}{2} = .7 \text{ day's change}$$

30d
10, 30d

A plates - large - 10 m in R.A. either way
 2.5° in dec. " "

AX plates - 1 hr in R.A. either way
 15° in dec. " "

KG 11366.129



Z Tr A Marked on AX 526
 Arbitrary sequence marked on AX 526

| Plate | Date | J. D. | Estimate | Remarks |
|---------|------|-------|----------|---------|
| AX 1946 | | 24798 | | |
| AX 1862 | | 24759 | | |
| AX 1855 | | 24755 | | |
| AX 1836 | | 24739 | | Triled |
| AX 1798 | | 24716 | | |
| AX 1775 | | 24711 | | |
| AX 1753 | | 24707 | | |
| AX 1746 | | 24704 | | |
| AX 1671 | | 24669 | | |
| AX 1649 | | 24654 | | |
| AX 1624 | | 24648 | | |
| AX 1617 | | 24646 | | |
| AX 1596 | | 24641 | | |
| AX 1577 | | 24626 | | |
| AX 1364 | | 24433 | | |
| AX 1332 | | 24411 | | |
| AX 1307 | | 24402 | | |

Z Tr A

Marked on B39304 and B42536
 Arbitrary sequence marked on B42536

| Plate | Date | J.D. | Estimates | Remarks |
|--------|----------------|---------|-----------|---------|
| B42536 | Aug 2, 1911 | 2419251 | =g | |
| B38946 | May 19, 1908 | 18081 | e-f | |
| B38890 | May 8, 1908 | 18070 | =h | |
| B35708 | March 30, 1905 | 16935 | [e | |
| B35585 | March 10, 1905 | 16915 | [d | |
| B34282 | July 2, 1904 | 16664 | h-k | |
| B33628 | May 4, 1904 | 16605 | c-d | |
| B33534 | May 2, 1904 | 16603 | =d | |
| B32585 | Sept 2, 1903 | 16360 | [g | |
| B32577 | Sept 2, 1903 | 16360 | =h | |
| B32021 | June 20, 1903 | 16286 | =d | |
| B31800 | May 18, 1903 | 16253 | f] | |
| B31679 | May 6, 1903 | 16241 | =g | |
| B31609 | May 4, 1903 | 16239 | f-g | trailed |
| B30536 | Aug 11, 1902 | 15973 | =e | |
| B30330 | July 10, 1902 | 15941 | [h | |
| B30190 | June 26, 1902 | 15927 | h-k | |
| B29999 | June 11, 1902 | 15912 | k] | |
| B29757 | May 17, 1902 | 15887 | =g | |
| B29462 | April 26, 1902 | 15866 | =e | |
| B27938 | July 22, 1901 | 15588 | h] | |
| B27725 | June 22, 1901 | 15558 | [h | trailed |
| B27411 | May 25, 1901 | 15530 | c-d | |
| B27146 | April 11, 1901 | 15486 | =g | |
| B27119 | April 10, 1901 | 15485 | [g | |
| B26013 | Sept. 5, 1900 | 15268 | e-f | |
| B25965 | Sept. 4, 1900 | 15267 | [e | |
| B25665 | July 2, 1900 | 15203 | c-d | |

| Plate | Date | J.D. | Estimates | Remarks |
|--------|----------------|---------|----------------|------------------|
| B25447 | May 24, 1900 | 2415164 | [h | |
| B25421 | May 23, 1900 | 15163 | h-k | |
| B25383 | May 22, 1900 | 15162 | not seen. g.s. | |
| B23477 | July 15, 1899 | 14851 | h-k | |
| B23470 | July 14, 1899 | 14850 | not seen. h.s. | |
| B22891 | May 20, 1899 | 14795 | [d | |
| B22886 | May 20, 1899 | 14795 | d] | |
| B22553 | April 8, 1899 | 14753 | [d | |
| B22521 | April 7, 1899 | 14752 | d] | |
| B21897 | Aug. 26, 1898 | 14528 | [g | |
| B21142 | April 2, 1898 | 14382 | f-g | |
| B21139 | April 2, 1898 | 14382 | =h | |
| B20395 | Sept. 16, 1897 | 14184 | c-d | |
| B19365 | June 3, 1897 | 14079 | not seen. h.s. | |
| B19165 | May 22, 1897 | 14067 | =h | |
| B16360 | June 15, 1896 | 13726 | =d | |
| B13493 | June 1, 1895 | 13346 | =h | |
| B11559 | July 14, 1894 | 13024 | g-h | |
| B11466 | June 20, 1894 | 13000 | [f | |
| 6281 | June 12, 1891 | 11896 | d-e | poor plate |
| 6280 | June 12, 1891 | 11896 | [d | |
| 4026 | Aug. 16, 1889 | 11231 | =h | slightly trailed |

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ZtrA

Marked on B42536 and AX526 (cannot be seen)
 Arbitrary sequence on AX526

| Plate | Date | J.D. | Estimates | Remarks |
|---------|------|-------|--------------|------------------|
| AX 474 | | 23900 | not seen m.s | slightly trailed |
| AX 484 | | 23902 | =m | |
| AX 519 | | 23914 | m] | |
| AX 527 | | 23918 | m]] | |
| AX 640 | | 23964 | g-h | trailed |
| AX 682 | | 23972 | f-g | very clear |
| AX 712 | | 23988 | =d | |
| AX 762 | | 24019 | f-g | |
| AX 773 | | 24024 | g] | |
| AX 805 | | 24035 | h] | dark plate |
| AX 862 | | 24074 | =m | |
| AX 1011 | | 24245 | =m | |
| AX 1067 | | 24290 | d] | |
| AX 1086 | | 24296 | =d | |
| AX 1098 | | 24299 | d] | |
| AX 1153 | | 24318 | g] | |
| AX 1187 | | 24326 | g-h | |
| AX 1230 | | 24354 | [h | |
| AX 1246 | | 24357 | m] | |
| AX 1248 | | 24359 | l-m | |
| AX 1267 | | 24371 | [m | |
| AX 1274 | | 24374 | [m | |
| AX 1307 | | 24402 | =l | |
| AX 1332 | | 24411 | g-h | |
| AX 1364 | | 24433 | e-f | |
| AX 1565 | | 24621 | [f | |
| AX 1577 | | 24626 | g] | |
| AX 1596 | | 24641 | =l | |

| Plate | Date | J. D. | Estimates | Remarks |
|---------|------|-------|-----------|------------------|
| AX 1617 | | 24646 | l-m | |
| AX 1624 | | 24648 | =m | |
| AX 1649 | | 24654 | [m | |
| AX 1671 | | 24669 | [[m | |
| AX 1746 | | 24704 | =l | |
| AX 1753 | | 24707 | l] | |
| AX 1775 | | 24711 | =k | |
| AX 1798 | | 24716 | g-h | |
| AX 1836 | | 24739 | f-g | Trailed |
| AX 1855 | | 24755 | g | |
| AX 1862 | | 24759 | fg | slightly trailed |
| AX 1946 | | 24798 | l-m | |

6

| ZTAH | (cont.) AM plates | | | |
|----------|-------------------|-------|---------------|-------------------------|
| Plate | Date | J.D. | Estimates | Remarks |
| AM 15600 | | 22850 | not seen g.s. | poor plate |
| AM 15630 | | 22871 | not seen h.s. | |
| AM 15730 | | 23176 | not seen g.s. | poor plate |
| AM 15782 | | 23191 | sur. [g] | |
| AM 15796 | | 23194 | = l | |
| AM 15803 | | 23197 | = l | |
| AM 15853 | | 23219 | g] | |
| AM 15868 | | 23222 | [f | |
| AM 15916 | | 23236 | e-f | |
| AM 15921 | | 23237 | [d | |
| AM 15948 | | 23250 | ee | |
| AM 15995 | | 23267 | f-g | near edge of plate |
| AM 15998 | | 23268 | g] | |
| AM 16020 | | 23278 | not seen c.s. | poor plate |
| AM 16063 | | 23307 | not seen h.s. | |
| AM 16223 | | 23533 | d-e | |
| AM 16295 | | 23576 | g] | |
| AM 16318 | | 23610 | not seen g.s. | poor plate |
| AM 16361 | | 23647 | [l | |
| AM 16365 | | 23648 | h] | traced maybe 2 stars |
| AM 16393 | | 23666 | f-g | |
| AM 16414 | | 23673 | [g | |
| AM 16424 | | 23692 | e] | |

| Z Tr A | additional AM plates | | | |
|----------|----------------------|-------|----------------|---------------------|
| Plate | Date | J.D. | Estimates | Remarks |
| AM 15580 | May 10, 1921 | 22820 | g] | |
| 15701 | April 21, 1922 | 23166 | not seen. g.s. | <u>Trailed</u> |
| 15715 | | 23172 | not seen. h.s. | |
| 15744 | | 23178 | = h? | h but one seen |
| 15756 | | 23180 | h-m | |
| 15803 | | 23197 | rus [h | |
| 15810 | May 24, 1922 | 23199 | m] | near edge of plate |
| 15840 | | 23209 | g-h | |
| 15860 | | 23221 | f-g | |
| 15880 | June 22, 1922 | 23228 | [f | |
| 15884 | June 23, 1922 | 23229 | [f | |
| 15900 | June 28, 1922 | 23234 | f] | |
| 15915 | June 30, 1922 | 23236 | = e | |
| 15918 | | 23237 | d-e | |
| 15958 | | 23253 | f] | |
| 16035 | Aug. 16, 1922 | 23283 | not seen. f.s. | |
| 16220 | April 23, 1923 | 23533 | = d | |
| 16268 | May 26, 1923 | 23566 | [f | |
| 16286 | | 23575 | g] | |
| 16360 | Aug. 15, 1923 | 23647 | [h | |
| 15669 | Sept 3, 1921 | 22936 | d-e | poor plate |
| 15750 | | 23179 | rus. h-h | plate not very good |
| 15783 | | 23191 | not seen. h.s. | |
| 15827 | | 23206 | not seen g.s. | |
| 15841 | | 23209 | g] | |
| 15863 | | 23221 | [f | |
| 15899 | | 23234 | [e | |
| 15930 | | 23247 | = d | |
| 15954 | | 23251 | [e | |
| 15991 | | 23265 | [f | |

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Z Tr A (cont)

| Plate | Date | J.D. | Estimates | Remarks |
|----------|--------------|-------|--------------|------------|
| AM 16003 | | 23269 | f-g | |
| 16032 | Aug 15, 1922 | 23282 | not seen f.s | poor plate |
| 16084 | | 23320 | not seen h.s | |
| 16103 | | 23338 | sur. m-l | |
| 16229 | | 23535 | = d | |
| 16270 | May 26, 1923 | 23566 | [f | |
| 16281 | June 2, 1923 | 23573 | g]f | |
| 16342 | | 23619 | sur. = m | |
| 16412 | | 23671 | f-g | trailed |

| ZTr A (from additional AX plates) | | | | | |
|-----------------------------------|-------------------|-----------|----------------|---------|--|
| Plate | Date | J.D. | Estimates | Remarks | |
| AX 551 | May 24, 1924 | 23930 | [m | | |
| 581 | June 3, 1924 | 23940 | [[m | | |
| 625 | June 25, 1924 | 23962 | = h | | |
| 683 | July 5, 1924 | 23972 | = g | | |
| 731 | July 30, 1924 | 23997 | = d | | |
| 767 | Aug. 23, 1924 | 24021 | g] | | |
| 820 | Sept 20, 1924 | 24049 | h] | | |
| 863 | Oct. 16, 1924 | 24075 | [l | | |
| 1056 | May 15-16, 1925 | 24286-87 | [f | | |
| 1099 | May 28-29, 1925 | 24299-300 | f] | | |
| 1159 | June 17-18, 1925 | 24319-20 | = g | | |
| 1203 | June 26-27, 1925 | 24328-29 | h] | | |
| 1224 | July 20-21, 1925 | 24352-53 | [m | | |
| 1266 | Aug 8-9, 1925 | 24371-72 | [[m | | |
| 1619 | May 11-12, 1926 | 24647-48 | [m | Trailed | |
| 1653 | May 19-20, 1926 | 24655-56 | [[m | | |
| 1693 | June 12-13, 1926 | 24679-80 | not seen. m. s | | |
| 1750 | July 8-9, 1926 | 24705-06 | = h | | |
| 1807 | July 31-Aug 1 '26 | 24728-29 | g] | | |
| 1824 | Aug 4-5, 1926 | 24732-33 | f-g | | |
| 1856 | Aug 27-28, 1926 | 24755-56 | [g | | |
| 1926 | Sept 29-30, 1926 | 24788-89 | [h | | |
| 1952 | Oct 11-12, 1926 | 24800-01 | [l | | |
| 2049 | Oct 29-30, 1927 | 25183-84 | e-f | | |

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WTrA
RS AnaeMarked on AX 1266 and B 42536
Arbitrary sequence marked on B 42536

| Plate | Date | J.D. | WTrA Estimate | RS Anae Estimate | Remarks |
|--------|----------------|-------|------------------|---------------------|--------------------------|
| B 3781 | July 9, 1889 | 11193 | g] | l-m | plate fair |
| 3859 | July 15, 1889 | 11199 | =c | — | good |
| 3895 | July 24, 1889 | 11205 | f] | [h | good |
| 4026 | Aug. 16, 1889 | 11231 | g-h | — | good |
| 6280 | | 11896 | — | sus. [k | poor |
| 6281 | | 11896 | not s. h.s | not s. h.s | poor |
| 6293 | June 13, 1891 | 11897 | not s. h.s | not s. h.s | fair |
| 6372 | June 19, 1891 | 11903 | sus. =m | [l | WTrA near edge |
| 9162 | Apr. 27, 1893 | 12581 | sus. [k | — | near edge |
| 9312 | May 2, 1893 | 12586 | =l | [h | trailed |
| 9637 | June 22, 1893 | 12637 | h-k | [g | WTrA trailed |
| 9645 | — | — | l-m | m] | fair |
| 10965 | Apr. 18, 1894 | 12937 | =g | — | slightly trailed |
| 11122 | May 14, 1894 | 12963 | [h | — | " " |
| 11465 | June 20, 1894 | 13000 | =m | k] | good |
| 11559 | | 13024 | — | k-h | fair |
| 11550 | Aug. 13, 1894 | 13054 | m]] | =h | fair |
| 12912 | April 6, 1895 | 13290 | l-m | — | near edge |
| 12958 | April 8, 1895 | 13292 | [[l | [l | fair |
| 12998 | April 10, 1895 | 13294 | l-m | — | edge |
| 13000 | April 10, 1895 | 13294 | m] | [m | RS Anae slightly trailed |
| 13493 | June 1, 1895 | 13346 | — | =l | fair |
| 14444 | Aug 29, 1895 | 13435 | g-h | =g | good |
| 15593 | April 11, 1896 | 13661 | f-g | — | near edge |
| 15591 | April 11, 1896 | 13661 | =f | not seen l.s | fair |
| 16361 | June 15, 1896 | 13726 | sus. [[m | — | too near edge |
| 17180 | Aug. 15, 1896 | 13787 | [m | — | " " " |
| 20498 | Sept. 23, 1897 | 14191 | =h | — | near edge |
| 22522 | April 7, 1899 | 14752 | sus. [[m | — | " " " |

see
opp. p.not
very
accuratesee
opp. p.see
opp. p.see
opp. p.

| (cont) | | | | | |
|--------|----------------|-------|-------------------|---------------------|--------------------|
| Plate | Date | J.D. | WTr A Estimate | RS Arac Estimate | Remarks |
| 322885 | May 20, 1899 | 14795 | [m] | — | too near edge |
| 23476 | July 15, 1899 | 14851 | m-l | — | " " " |
| 24986 | Apr. 6, 1900 | 15116 | =h | — | good but near edge |
| 25118 | Apr. 11, 1900 | 15121 | [k] | — | trailed |
| 25447 | | 15164 | — | m] | good |
| 25520 | June 2, 1900 | 15173 | f-g | — | good |
| 25561 | June 19, 1900 | 15190 | h] | — | trailed |
| 25633 | June 27, 1900 | 15198 | k] | — | trailed |
| 25665 | | 15203 | =k | h] | good |
| 25965 | | 15267 | — | l-m | good |
| 25966 | | 15267 | =m | — | trailed; near edge |
| | | 15268 | not seen m.s. | m] | RS Arac blurred |
| | Sept. 12, 1900 | 15275 | sub. [[m] | — | near edge |
| 16361 | June 15, 1896 | 13726 | m] | not seen m.s. | fair |
| 19165 | | 14067 | m] | [l | fair |
| 19365 | | 14079 | — | [[l | fair |
| 20395 | | 14184 | [g | not seen m.s. | good |
| 21139 | | 14352 | — | m] | fair |
| 21142 | | 14382 | g]] | [[l | fair |
| 21897 | | 14528 | — | =l | fair |
| 22521 | | 14752 | — | l-m | blurred |
| 22553 | | 14753 | m] | [[l | fair |
| 22886 | | 14795 | not seen m.s. | =k | RS Arac blurred |
| 23470 | | 14850 | — | m] | "slightly" |
| 23477 | | 14851 | [[l | [[l | fair |
| 25383 | | 15162 | g] | =l | fair |
| 25421 | | 15163 | [[f | [l | very good |
| 27119 | | 15485 | m] | =l | fair |
| 27146 | April 11, 1901 | 15486 | — | m] | fair |

| Plate | (cont) Date | J.D. | W _T A Estimate | RS Arac Estimate | Remarks |
|--|----------------|-------|------------------------------|---------------------|----------------------|
| B 27411 | | 15530 | — | m]] | good |
| 27637 | June 10, 1901 | 15546 | [l | — | near edge |
| ^{estimates probably inaccurate} 27725 | June 22, 1901 | 15558 | m] | l-m | too trailed. |
| 27938 | July | 15585 | [l | [l | poor |
| 29462 | | 15866 | =l | l-m | fair |
| 29756 | May 17, 1902 | 15887 | g]] | — | near edge |
| 29757 | May 17, 1902 | 15887 | — | m]] | fair |
| 29999 | | 15912 | f-g | l-m | fair |
| 30190 | | 15927 |]] | [l | fair |
| 30330 | | 15941 | =g | [m | fair |
| 30536 | | 15973 | — | l] | fair |
| 31609 | | 16239 | — | =m | trailed |
| 31679 | | 16241 | [m | m] | good |
| 31900 | | 16253 | — | m]] | fair |
| 32021 | | 16286 | — | l-m | good |
| 32577 | | 16360 | m] | =l | good |
| 32585 | | 16360 | — | k] | fair |
| 33529 | May 2, 1904 | | [l | — | thru + inaccurate |
| 33534 | | 16603 | not s. m.s. | =h | fair |
| 33628 | | 16605 | — | h-k | fair |
| 34282 | | 16664 | [g | m] | good |
| 34283 | | 16664 | g]] | — | trailed |
| 35585 | | 16915 | — | m]] | fair |
| 35707 | March 30, '05 | 16935 | g | — | thru |
| 35708 | | 16935 | — | not s. l.s. | fair |
| 35784 | Apr. 7, 1905 | 16943 | g]] | [l | sequence poor |
| 36401 | July 11, 1905 | 17038 | sus. =m | =l | fair |
| 38890 | | 18070 | sus [m | not s. m.s. | RS Arac - edge |
| 38946 | | 18081 | — | l-m | fair |

| Plate | Date | J.D. | WTrA | RS Area | Remarks |
|--------|----------------|-------|---------------------|----------------------|--------------------|
| AM 565 | July 30, 1900 | 15231 | Estimate sus. [k | Estimate sus. h-k | poor plate |
| 591 | | 15261 | not seen l.s. | sus. h-k | fair |
| 751 | | 15481 | sus. = m | [[l | fair |
| 826 | | 15541 | not seen l.s. | not seen l.s. | fair |
| 880 | | 15560 | sus. m] | [l | fair |
| 887 | | 15561 | not seen l.s. | [l | fair |
| 961 | | 15602 | not seen l.s. | = k | poor |
| 980 | | 15607 | not seen l.s. | = h | fair |
| 1072 | | 15659 | g] | not seen h.s. | sequence poor |
| 1176 | | 15842 | not seen l.s. | = l | fair |
| 1214 | | 15868 | [[h | [m | good |
| 1326 | | 15911 | [[f | not seen g.s. | sequence poor |
| 1398 | | 15927 | g]] | not seen l.s. | fair |
| 2492 | Mar. 23, 1904 | 16563 | not seen l.s. | not seen l.s. | fair |
| 5549 | June 9, 1908 | 18102 | not seen l.s. | not seen l.s. | fair |
| 6461 | Aug 14, 1909 | 18533 | not seen l.s. | not seen l.s. | fair |
| 7589 | July 21, 1911 | 19239 | not seen h.s. | not seen h.s. | poor |
| 10200 | Oct 17, 1914 | 20423 | sus k] | [[h | fair |
| 10393 | April 6, 1915 | 20594 | not seen l.s. | = g | quite good |
| 10443 | April 19, 1915 | 20607 | not seen l.s. | = h | slightly trailed |
| 10489 | April 24, 1915 | 20612 | = l | [[h | good |
| 10631 | June 5, 1915 | 20654 | h-k | sus. [[l | quite good |
| 10677 | June 13, 1915 | 20662 | k]] | not seen l.s. | fair |
| 10700 | June 18, 1915 | 20667 | [l | not seen l.s. | trailed |
| 10716 | June 20, 1915 | 20669 | l] | [[l | good |
| 10966 | Aug 9, 1915 | 20719 | not seen l.s. | [[[l | good |
| 10972 | Aug 10, 1915 | 20720 | not seen h.s. | not seen h.s. | fair |
| 11327 | Oct 6, 1915 | 20777 | not seen g.s. | not seen g.s. | poor |
| 11828 | | 21011 | not seen f.s. | sus. f-g | very poor. Blurred |

| Plate | Date | J.D. | WTr A Estimate | RS Arac Estimate | Remarks |
|----------|----------------|-------|-------------------|---------------------|------------|
| AM 11874 | June 2, 1916 | 21017 | not seen l.s. | = g | fair |
| 11902 | June 6, 1916 | 21021 | not seen l.s. | [g | good |
| 11914 | June 7, 1916 | 21022 | not seen l.s. | = h | fair |
| 12118 | | 21047 | not seen l.s. | sus [h | poor. thru |
| 12152 | | 21051 | not seen f.s. | not seen f.s. | poor " |
| 12228 | | 21065 | not seen f.s. | not seen f.s. | poor |
| 12290 | Aug 2, 1916 | 21078 | not seen l.s. | not seen l.s. | fair |
| 12303 | Aug 4, 1916 | 21090 | = m | l-m | very good |
| 12308 | Aug 5, 1916 | 21081 | not seen l.s. | [l | good |
| 12442 | | 21126 | sus. f-g | not seen f.s. | poor |
| 12509 | | 21135 | e-f | not seen e.s. | poor |
| 12745 | | 21169 | not seen f.s. | not seen f.s. | poor |
| 12984 | | 21309 | not seen e.sus. | not seen e.sus. | very poor |
| 12995 | April 13, 1917 | 21332 | not seen m.s. | = m | good |
| 13196 | | 21374 | = g | not seen g.s. | poor |
| 13288 | June 16, 1917 | 21396 | = g | = h | good |
| 13294 | June 17, 1917 | 21397 | [g | h] | quite good |
| 14054 | June 11, 1918 | 21756 | not seen l.s. | l-m | good |
| 14166 | | 21790 | not seen l.s. | [g | fair |
| 14502 | Oct 7, 1918 | 21874 | [g] | not seen l.s. | fair |
| 14776 | June 19, 1919 | 22129 | g-h | sus. = l | quite good |
| 14811 | June 28, 1919 | 22138 | = h | not seen l.s. | good |
| 14890 | Aug 4, 1919 | 22175 | [l | = m | very good |
| 14945 | Aug 22, 1919 | 22193 | l-m | = l | fair |
| 15379 | Aug 5, 1920 | 22542 | not seen l.s. | not seen l.s. | quite good |
| 15383 | Aug. 6 1920 | 22543 | not seen l.s. | not seen l.s. | quite good |
| 15630 | | 22571 | = g | sus. [l | quite good |
| 15796 | | 23194 | not seen l.s. | = h | quite good |
| 15803 | | 23197 | not seen l.s. | = h | good |

| Plate | (cont) Date | J.C. | WTrA Estimate | RS Area Estimate | Remarks |
|---------|----------------|-------|------------------|---------------------|------------|
| AM15827 | | 23206 | not seen h.s. | g-h | fair |
| 15841 | | 23209 | not seen h.s. | g] | fair |
| 15853 | | 23219 | not seen h.s. | g-h | quite good |
| 15863 | | 23221 | not seen h.s. | [h | fair |
| 15916 | | 23236 | not seen h.s. | h] | good |
| 15921 | | 23237 | not seen h.s. | =h | good |
| 15930 | | 23247 | not seen h.s. | [l | good |
| 16103 | | 23338 | [h | not seen h.s. | fair |
| 16295 | | 23576 | not seen h.s. | h-h | fair |
| 16361 | | 23647 | [g | =l | quite good |

| | | | | | |
|--------|--|-------|---------------|---------------|-----------|
| AX 484 | | 23902 | =l | [[m | good |
| 526 | | 23918 | see [[m | not seen m.s. | thrued |
| 551 | | 23930 | [[m | [[m | good |
| 581 | | 23940 | [[[m | [m | thrued |
| 625 | | 23962 | not seen m.s. | [[m | good |
| 682 | | 23972 | not seen m.s. | [[l | good |
| 683 | | 23972 | not seen m.s. | [[l | good |
| 712 | | 23988 | — | =h | near edge |
| 731 | | 23997 | not seen m.s. | g] | good |
| 762 | | 24019 | — | =g | near edge |

| Plate | (cont) | | WTA | RS Area | Remarks |
|--------|--------|-------|----------------|----------|------------------|
| | Date | J.S. | Estimate | Estimate | |
| AX 767 | | 24021 | not seen - m.s | = h | Good |
| 773 | | 24024 | not seen m.s | h - k | Good |
| 862 | | 24074 | sus. [E m | = m | slightly trailed |
| 863 | | 24075 | sus. [E m | sus [E m | Hubred |
| | | 24076 | not seen. m.s | [E m | slightly trailed |

Z Arae. Sequence & variable marked on B 25119 and AX 862

| Plate | Date | J. D. | Estimate | Remarks |
|--------|----------------|-------|-------------------|--------------------------|
| B 3942 | ? | | not seen | k.s. fair. Near edge |
| 4007 | Aug. 11, 1889 | 11226 | sus. = k | fair. Near edge |
| 4009 | Aug. 12, 1889 | 11227 | sus. [k | quite good. " " |
| 4047 | Aug. 20, 1889 | 11235 | sus. l] | good |
| 6283 | June 11, 1891 | 11895 | [k | good |
| 11596 | July 16, 1894 | 13026 | not seen. | k.s. fair |
| 11629 | July 20, 1894 | 13030 | not seen. no seq. | fair. Near edge |
| 11848 | Aug. 13, 1894 | 13054 | not seen. no seq. | poor. Near edge |
| 15871 | May 13, 1896 | 13693 | = c | fair. Near edge |
| 16281 | June 12, 1896 | 13723 | [c] | poor. Near edge |
| 16443 | June 19, 1896 | 13720 | = c | good |
| 19368 | June 3, 1897 | 14079 | [k | good |
| 20442 | Sept. 15, 1897 | 14186 | not seen. No seq. | fair. Near edge |
| 21142 | April 2, 1898 | 14382 | l] | quite good |
| 21197 | April 12, 1898 | 14392 | not seen. No seq. | poor. Near edge |
| 22474 | April 5, 1899 | 14750 | not seen. k.s. | good |
| 22508 | April 6, 1899 | 14751 | not seen. No seq. | fair. Near edge |
| 22909 | May 30, 1899 | 14805 | not seen. No seq. | fair. Near edge |
| 25119 | April 11, 1900 | 15121 | [[c | very good |
| 27162 | April 11, 1901 | 15486 | [f | very good |
| 27710 | June 20, 1901 | 15556 | = l | clear but <u>trailed</u> |
| 27948 | July 23, 1901 | 15589 | not seen. l.s. | slightly trailed. good |
| 29758 | May 17, 1902 | 15887 | [l | very good |
| 29975 | June 9, 1902 | 15910 | [[[l | very good |
| 23002 | June 5, 1899 | 14811 | h] | near edge |
| 25528 | June 14, 1900 | 15185 | probably [d | poor. Near edge |
| 25740 | July 30, 1900 | 15220 | = k | Near edge |
| 25964 | Sept 4, 1900 | 15267 | not seen. No seq. | Poor. Near edge |
| 26012 | Sept. 5, 1900 | 15268 | not seen. k.s. | Near edge |

Z Arae cont.

| Plate | Date | J. D. | Estimate | Remarks |
|---------|----------------|-------|----------------------|------------------------|
| B 27478 | May 28, 1901 | 15533 | [k | Poor. Near edge |
| 27558 | June 5, 1901 | 15541 | = k | Poor. Blurred |
| 27719 | June 21, 1901 | 15557 | = k ? | Very poor. " + trailed |
| 27749 | June 25, 1901 | 15561 | [l | Poor. Near edge |
| 28146 | Aug. 3, 1901 | 15600 | not seen. No seq. | Near edge. Poor |
| 28251 | Aug. 23, 1901 | 15620 | not seen. k.s. | Near edge |
| 29470 | April 28, 1902 | 15860 | not seen. No. seq. | Poor. Near edge |
| 30189 | June 26, 1902 | 15927 | k-l | Fair Near edge |
| 30320 | June 27, 1902 | 15928 | not seen. K not seen | Poor. Near edge |
| 30345 | July 12, 1903 | 15943 | = h | Blurred |
| 31522 | April 23, 1903 | 16228 | [k | Blurred |
| 31928 | May 19, 1903 | 16254 | h-k | Stars double |
| 31868 | May 23, 1903 | 16258 | h] | good |
| 31877 | May 25, 1903 | 16263 | = h | fair |
| 32576 | Sept 2, 1903 | 16360 | [g | fair |
| 33381 | April 16, 1904 | 16587 | = d | good |
| 33622 | May 4, 1904 | 16605 | [c | fair |
| 34281 | July 2, 1904 | 16664 | = h | fair |
| 35709 | March 30, 1905 | 16935 | not seen. h. not s. | for. Near edge |
| 35760 | April 5, 1905 | 16941 | g-h | quite good |
| 37533 | May 31, 1907 | 17727 | = c | fair |
| 38028 | Aug. 24, 1907 | 17812 | = g | very good |
| 38030 | Aug. 25, 1907 | 17813 | [g | stars distorted |
| 39887 | May 8, 1908 | 18070 | e-f | fair |
| 36400 | July 11, 1905 | 17038 | not seen. h.s. | Poor. Near edge |
| 36620 | Aug. 11, 1905 | 17069 | not seen. k.s. | for |
| 40375 | May 30, 1909 | 18457 | seen. [l | good |
| 43443 | Aug. 23, 1912 | 19638 | not seen. k.s. | quite good |

Zaree cont.

| Plate | Date | J. D. | Estimate | Remarks |
|---------|------|-------|----------------|------------------|
| AM 3479 | | 16960 | sus. k] | quite good |
| 3544 | | 16981 | not seen. h.s. | quite good |
| 3586 | | 17000 | sus. [l | very good |
| 3842 | | 17094 | [h | quite good |
| 3874 | | 17098 | [g | fair |
| 4204 | | 17335 | [k | good |
| 4372 | | 17401 | =k | quite good |
| 4464 | | 17430 | [f | fair |
| 4558 | | 17464 | e-f | fair |
| 4639 | | 17499 | f-g | fair |
| 4809 | | 17704 | e-f | fair |
| 4919 | | 17738 | [b | fair |
| 4955 | | 17758 | =b | good |
| 5001 | | 17772 | =c | slightly trailed |
| 5064 | | 17803 | =f | quite good |
| 5332 | | 18026 | d-e | fair |
| 5385 | | 18041 | c-d | fair |
| 5451 | | 18070 | [f | poor |
| 5486 | | 18082 | g] | quite good |
| 5562 | | 18109 | [g | fair |
| 5695 | | 18150 | k] | quite good |
| 5791 | | 18190 | not seen. k.e | quite good |
| 5959 | | 18361 | f] | fair |
| 6069 | | 18442 | not seen h.s. | fair |
| 6379 | | 18507 | not seen h.s. | quite good |
| 7070 | | 18856 | =f | poor |
| 7090 | | 18860 | f] | poor |
| 7204 | | 18897 | =c | quite good |
| 7251 | | 18917 | c] | quite good |

Z Arae cont.

| Plate | Date | J. D. | Estimate | Remarks |
|---------|----------|-------|----------|-------------|
| AM 7302 | | 18938 | e-f | very poor |
| 7418 | | 19177 | =c | fair |
| 7428 | | 19180 | d]] | poor |
| 7441 | | 19196 | =b | poor |
| 7453 | | 19203 | [[b | fair |
| 7484 | | 19213 | [[c | fair |
| 7507 | | 19220 | d]] | fair |
| 7524 | | 19224 | =d | fair |
| 7555 | | 19234 | f] | fair |
| 9116 | | 19945 | sus. = h | fair |
| 9908 | new star | 20313 | [g | fair |
| 9922 | | 20316 | [g | poor |
| 9930 | | 20325 | =f | poor |
| 9970 | | 20336 | [e | poor |
| 9978 | | 20337 | =e | very poor |
| 10006 | | 20343 | [[c | fair |
| 10022 | | 20348 | =c | very poor |
| 10028 | | 20350 | c] | faded, poor |
| 10030 | | 20352 | =c | fair |
| 10035 | | 20353 | [c | very poor |
| 10040 | | 20355 | =c | poor |
| 10092 | | 20372 | [c | quite good |
| 10097 | | 20380 | =f | poor |
| 10133 | | 20392 | f-g | fair |
| 10742 | | 20681 | [d | poor |
| 10781 | | 20690 | f-g | fair |
| 10904 | | 20708 | [f | poor |
| 14856 | | 22161 | [[f | good |

Z Arae cont.

| Plate | Date | J. D. | Estimate | Remarks |
|----------|------|-------|----------------|------------------|
| AM 15782 | " | 23191 | = f | poor |
| 15790 | | 23194 | not seen. h.s. | good |
| 15803 | | 23197 | not seen h.s. | quite good |
| 15853 | | 23219 | f-g | quite good |
| 15916 | | 23236 | e-f | slightly trailed |
| 15921 | | 23237 | [f-e | fair |
| 15948 | | 23250 | = e | slightly trailed |
| 16063 | | 23307 | = f | very poor |
| 16223 | | 23533 | k] | good |
| 16295 | | 23576 | [e | quite good |
| 16361 | | 23647 | not seen. h.s. | good |
| | | | not seen k.s. | good |

| | | | |
|--------|-------|----------------|-----------------|
| AX 474 | 23900 | k] | fair. Near edge |
| 484 | 23902 | sus. = k | good |
| 527 | 23918 | k-l | good |
| 640 | 23964 | sus l] | good |
| 682 | 23972 | not seen. h.s. | very good |
| 762 | 24019 | k]] | quite good |
| 805 | 24035 | h] | good |
| 812 | 24045 | [k | good |
| 862 | 24074 | f-g | good |
| 1098 | 24299 | = k | good |
| 1153 | 24318 | k] | good |
| 1187 | 24326 | l] | very good |
| 1203 | 24328 | k] | trailed |
| 1224 | 24352 | [h | trailed |

Z Arac. Cont.

| Plate | Date | J.P. | Estimate | Remarks |
|---------|------|-------|----------|------------------|
| AX 1246 | | 24357 | g-h | very good |
| 1266 | | 24371 | =g | slightly trailed |
| 1267 | | 24371 | [g] | good |
| 1274 | | 24374 | g] | quite good |
| 1307 | | 24402 | d] | quite good |
| 1332 | | 24411 | c-d | good |
| 1364 | | 24433 | e-f | trailed |
| 1577 | | 24626 | k-l | quite good |
| 1624 | | 24648 | =h | good |
| 1649 | | 24654 | h-g | good |
| 1671 | | 24669 | g] | good |
| 1693 | | 24679 | [d | trailed |
| 1746 | | 24704 | c] | good |
| 1775 | | 24711 | c-d | good |
| 1798 | | 24716 | d]] | good |
| 1824 | | 24732 | [d | slightly trailed |
| 1836 | | 24739 | =e | thinned |
| 1855 | | 24755 | g] | good |
| 1862 | | 24759 | =h | good |

Y Drae Sequence marked on AX 1194 and B 16443

| Plate | Date | J. D. | Estimate | Remarks |
|--------|---------------|-------|------------|--------------------------|
| B 3942 | Aug. 5, 1889 | 11220 | see h.] | quite good |
| 4007 | Aug. 11, 1889 | 11226 | [Eg | good |
| 4009 | | 11227 | [Eg | fair |
| 6263 | | 11895 | note. e.s. | poor |
| 11559 | | 13024 | [f | good |
| 11596 | | 13026 | note. h.s. | very good |
| 13493 | | 13346 | e] | fair |
| 16443 | | 13730 | = b | good |
| 19365 | | 14079 | note. g.s. | fair |
| 19368 | | 14079 | note. e.s. | poor |
| 21139 | | 14382 | [f | fair |
| 21140 | | 14382 | f] | fair |
| 21897 | | 14528 | note. h.s. | good |
| 22474 | | 14750 | f] | fair |
| 22521 | | 14752 | f] | fair |
| 22891 | | 14795 | [E h | very good |
| 23002 | | 14811 | note. e.s. | poor |
| 23470 | | 14850 | f] | poor |
| 25119 | | 15121 | = h | quite good |
| 25447 | | 15164 | a - b | Very clear but not round |
| 25965 | | 15267 | note. h.s. | good |
| 27162 | | 15486 | = h | good |
| 27948 | | 15589 | = c | quite good |
| 28281 | | 15620 | a] | sequence blurred |
| 29758 | | 15887 | b] | quite good |
| 29975 | | 15910 | c - d | good |
| 30345 | | 15943 | g] | blurred |
| 31868 | | 16258 | note. h.s. | blurred |
| 32021 | | 16286 | note. h.s. | very good |

Y Arae cont.

| Plate | Date | J. D. | Estimate | Remarks. |
|---------|---------------|-------|---------------|-------------------|
| B 32576 | | 16360 | [d | 3eq. blurred |
| 32585 | | 16360 | d-e | good |
| 33381 | | 16587 | =a | fair |
| 34281 | | 16664 | =g | blurred |
| 35585 | | 16915 | [Eh | clear but trailed |
| 35760 | | 16941 | not seen e.s. | poor |
| 38028 | | 17812 | c-d | good |
| 40375 | | 18457 | [h | good |
| 42536 | | 19251 | b-] | very good |
| 43441 | Aug. 23, 1912 | 19638 | not a f.s. | fair |
| 43441 | Aug 23, 1912 | 19638 | not a f.s. | fair |
| 36400 | | 18038 | =e? | blurred |
| 38887 | | 18070 | =t | fair |
| 41339 | May 27, 1910 | 18119 | =e | fair |

Y Arae cont.

| Plate | Date | J. D. | Estimate | Remarks |
|--------|----------------|-------|-------------|------------|
| AM 591 | | 15261 | not s. d.s. | fair |
| 751 | | 15481 | not s. e.s. | fair |
| 826 | | 15541 | not s. d.s. | fair |
| 880 | | 15560 | not s. f.s. | fair |
| 2492 | | 16563 | [c | quite good |
| 3495 | | 16968 | not s. e.s. | quite good |
| 5549 | | 18102 | [f | quite good |
| 6461 | | 18533 | a-t | quite good |
| 7589 | | 19239 | b-c | fair |
| 10200 | | 20423 | =d | quite good |
| 10393 | | 20594 | not s. f.s. | quite good |
| 12995 | April 13, 1917 | 21342 | not s. g.s. | good |
| 13288 | | 21396 | =e | good |
| 13294 | | 21397 | =e | good |
| 13484 | | 21449 | =a | good |
| 13501 | | 21453 | [a | good |
| 14054 | June 11, 1918 | 21756 | not s. g.s. | good |
| 14776 | June 19, 1919 | 22129 | a] | good |
| 14811 | June 28, 1919 | 22138 | a]] | good |
| 14890 | Aug. 4, 1919 | 22175 | [a | very good |
| 15253 | June 12, 1920 | 22488 | not s. f.s. | quite good |
| 15379 | | 22542 | not s. d.s. | fair |
| 15383 | Aug. 6, 1920 | 22543 | not s. e.s. | quite good |
| 15900 | out of order | 23234 | not s. f.s. | good |
| 10443 | | 20607 | not s. f.s. | good |
| 10489 | | 20612 | not s. g.s. | good |
| 10716 | | 20669 | e] | quite good |
| 10966 | | 20719 | [a | good |
| 10972 | | 20720 | a] | fair |

| Plate | Date | J. D. | Estimate | Remarks |
|----------|------|-------|---------------|-----------------|
| AM 11327 | | 20777 | not s. e.s. | quite good |
| 11874 | | 21017 | not s. f.s. | good |
| 12290 | | 21078 | not s. f.s. | good |
| 12303 | | 21086 | not s. h.s. | very good |
| 15600 | | 22850 | [b | good |
| 15630 | | 22871 | [a] | quite good |
| 15920 | | 23237 | not seen e.s. | fair |
| 15995 | | 23267 | not seen f.s. | quite good |
| 16318 | | 23610 | = a | blurred |
| 16353 | | 23640 | = c | blurred |
| | | | | |
| AX 454 | | 23902 | not s. f.s. | quite good |
| 526 | | 23918 | not s. e.s. | fair |
| 527 | | 23918 | not s. h.s. | very good |
| 585 | | 23941 | not s. f.s. | good |
| 620 | | 23961 | not s. f.s. | good |
| 681 | | 23972 | not s. g.s. | good |
| 729 | | 23996 | not s. g.s. | good |
| 762 | | 24019 | not s. f.s. | good (in track) |
| 773 | | 24024 | not s. h.s. | very good |
| 862 | | 24074 | [c | very good |
| 1011 | | 24245 | not s. g.s. | good |

| Plate | Date | J. D. | Estimate | Remarks |
|--------|--------------|---------|-------------|------------------------|
| AX1055 | | 24286 | f-g | very good |
| 1140 | | 24314 | a-b | very good |
| 1230 | | 24354 | [a | very good |
| 1246 | | 24357 | =d? | turn into nearby stars |
| 1248 | | 24359 | [d | quite good |
| 1267 | | 24371 | e-f | good |
| 1278 | | 24375 | =f | quite good |
| 1646 | May 17, 1926 | → 24653 | [Eh | very good. Handy |
| 1674 | June 3, 1926 | → 24670 | not s. h.s. | very clear but " " |
| 1826 | Aug 5, 1926 | → 24777 | not s. h.s. | " " " " " |
| 13332 | but of order | 24411 | not s. h.s. | very good |
| 1565 | | 24621 | =e | good |
| 1596 | | 24641 | =f | quite good |
| 1624 | | 24648 | not s. h.s. | very good |
| 1649 | | → 24654 | not s. f.s. | quite good |
| 1855 | | → 24755 | not s. h.s. | quite good |
| 1946 | | → 24795 | =t | very good |

Variables and sequence marked on B. 19841 and AX1270

| Plate | Date | J.D. | WX Sco ⁶⁹ | WZ Sco ⁵² |
|------------------|----------------|-------|----------------------|----------------------|
| B 3802 | | | | |
| 3875 | | | | |
| 4058 | | | | |
| 5374 | | | | |
| 10025 | | | | |
| 11593 | July 16, 1894 | 13026 | [h | [h |
| 12844 | March 5, 1895 | 13258 | | |
| 13494 | | | | |
| 13976 | | | | |
| 13983 | July 8, 1895 | 13383 | g] | [h |
| 14034 | | | | |
| 15607 | | | | |
| 15703 | May 4, 1896 | 13684 | not s. e. s | — |
| 15862 | | | | |
| 15868 | May 29, 1896 | 13709 | | |
| 15988 | June 12, 1896 | 13723 | not s. k. s | h-k |
| 16282 | July 2, 1896 | 13743 | — | — |
| 16615 | Aug. 15, 1896 | 13787 | — | — |
| 17174 | | | | |
| 17233 | | | | |
| 18771 | April 7, 1897 | 14022 | — | — |
| 18882 | April 21, 1897 | 14036 | — | — |
| 19439 | June 8, 1897 | 14084 | — | — |
| 19841 | July 16, 1897 | 14122 | [g | =l |
| 20475 | Sept. 21, 1897 | 14189 | — | — |
| 21926 | | | | |
| 21964 | Sept. 16, 1898 | 14549 | not s. g. s | not s. g. s |
| 21983 | Sept 17, 1898 | 14550 | — | — |
| 22815 | | | | |
| 23052 | June 16, 1899 | 14822 | — | — |
| 23361 | | | | |

| XX Sco ⁵⁴ | XZ Sco ⁵⁵ | XY Sco ⁶¹ | YZ Sco ⁵⁶ | YY Sco ⁵⁸ | Remarks |
|----------------------|----------------------|----------------------|------------------------|----------------------|----------------|
| not s. h. s | not s. [EE h | not s. h. s | not s. h. s. | not s. h. s. | All off |
| — | — | not s. e. s | not s. e. s | not s. e. s. | Near edge Poor |
| | | | | | Very poor Edge |
| not s. h. s | not s. h. s | not s. h. s. | not s. h. s | not s. h. s | All off |
| — | — | — | — | — | Quite good |
| | not s. e. s | not s. e. s. | not s. e. s | not s. e. s | Near edge Poor |
| not s. k. s | not s. k. s | [E _k | [E _k | not s. k. s | Near edge |
| not s. k. s | not s. k. s | = k | not s. [E _k | not s. k. s | Near edge |
| not s. d. s | not s. d. s | not s. d. s | not s. d. s | not s. d. s | Near edge |
| — | — | not s. h. s | not s. h. s | [E] | Near Top |
| not s. d. s | not s. d. s | not s. d. s | not s. d. s | not s. d. s | Poor Near edge |
| — | not s. k. s | not s. k. s | not s. k. s | not s. k. s | Poor Near edge |
| not s. h. s | not s. h. s | not s. h. s | not s. h. s | = h | Near edge |
| [E h | h-k | h-k | [E k | = d | Very good |
| — | — | not s. e. s | not s. e. s | not s. e. s | Near edge |
| not s. g. s | not s. g. s | — | not s. g. s | — | Near edge |
| — | — | [E k | not s. k. s | not s. k. s | Near Top |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | = g | Near edge |

| Plate | Date | J.D. | WX Sec 69 | WZ Sec 52 |
|------------------|----------------|---------|---------------|-------------|
| 23653 | July 26, 1899 | 14862 | not s. d.s. | not s. d.s. |
| 24943 | | | | |
| 25115 | April 11, 1900 | 15121 | mts. l.s. | h-k |
| 25334 | May 19, 1900 | 15158 | — | — |
| 26009 | | | | |
| 26430 | | | | |
| 27176 | | | | |
| 27560 | | | | |
| 27626 | | | | |
| 27647 | | | | |
| 27867 | | | | |
| 28159 | | | | |
| 29378 | | | | |
| 29849 | | | | |
| 30035 | June 13, 1902 | → 15914 | mts. l.s. | mts. l.s. |
| 32040 | June 23, 1903 | 16289 | — | — |
| 32063 | June 29, 1903 | 16295 | [] l | = h |
| 32333 | | | | |
| 32339 | | 16324 | [] [] l | [] l |
| 34007 | | | | |
| 34295 | | | | |
| 37531 | May 31, 1907 | 17727 | — | — |
| 40243 | May 9, 1909 | 18436 | mts. h.s. | mts. h.s. |
| 40265 | May 11, 1909 | 18438 | — | — |
| 53754 | | | | |
| 53779 | | | | |
| MF3930 | June 23, 1919 | 22133 | not seen h.s. | — |

| XX Sco ⁵⁴ | XZ Sco ⁵⁵ | XY Sco ⁶¹ | YZ Sco ⁵⁶ | YY Sco ⁵⁸ | Remarks |
|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|
| not s. d.s. | — | — | — | — | Very poor Edge |
| not s. k.s. | not s. k.s. | not s. k.s. | [k not s. h.s.] | f-g [h] | Good Near edge |
| — | — | — | — | — | Near edge Very poor |
| not s. k.s. | h-k | not s. k.s. | not s. k.s. | not s. k.s. | Good |
| h] | h-k | not s. k.s. | not s. h.s. | not s. h.s. | Fair, Near edge |
| — | — | not s. l.s. | not s. l.s. | not s. l.s. | Very good |
| — | — | — | — | — | Near edge |
| — | — | not s. k.s. | sus. [k] | d] | Fair, Near edge |
| not s. h.s. | — | — | — | — | — |
| — | — | not s. h.s. | not s. h.s. | h] | — |
| g]] | not s. h.s. | — | not s. h.s. | not s. h.s. | Fair |

| Plate | Date | J.D. | 69 WX Sec | 52 WZ Sec |
|---------|-------------|-------|--------------|--------------|
| AM 1276 | | 15897 | not s. d. s. | sus. [d] |
| 1482 | | 15956 | not s. g. s. | not s. g. s. |
| 1534 | | 16008 | = f | not s. f. s. |
| 1909 | | 16240 | not s. g. s. | [g] |
| 1925 | | 16242 | not s. g. s. | not s. g. s. |
| 2269 | | 16372 | = g | not s. f. s. |
| 2570 | | 16593 | not s. f. s. | [g] |
| 2600 | | 16604 | not s. g. s. | not s. g. s. |
| 2744 | | 16644 | | |
| 2884 | | 16691 | not s. g. s. | [g] |
| 2677 | | 16625 | not s. h. s. | not s. h. s. |
| 3390 | | 16922 | not s. g. s. | f-g |
| 3447 | | 16943 | not s. g. s. | [f] |
| 3535 | | 16979 | not s. g. s. | not s. g. s. |
| 3596 | | 17004 | sus. 2g | not s. g. s. |
| 3623 | | 17009 | not s. g. s. | not s. f. s. |
| 3809 | | 17077 | not s. f. s. | not s. g. s. |
| 3863 | | 17097 | f] | not s. g. s. |
| 4079 | | 17241 | [f] | not s. g. s. |
| 4202 | May 4, 1906 | | | not s. g. s. |
| 4244 | | 17374 | | not s. g. s. |
| 4378 | | 17402 | sus. [g] | not s. g. s. |
| 4392 | | 17404 | not s. g. s. | not s. g. s. |
| 4534 | | 17448 | [g] | not s. g. s. |
| 4818 | | 17705 | not s. f. s. | not s. f. s. |
| 4839 | | 17711 | not s. g. s. | not s. f. s. |
| 4846 | | 17713 | not s. g. s. | not s. f. s. |
| 4869 | | 17725 | not s. g. s. | not s. g. s. |
| 4891 | | 17730 | not s. g. s. | not s. g. s. |
| 4960 | | 17759 | not s. g. s. | not s. g. s. |
| 5000 | | 17772 | not s. h. s. | = h |
| 5436 | | 18068 | not s. g. s. | [g] |

| Plate | Date | f.D. | ⁶⁹ WX Sec | ⁵² WZ Sec |
|---------|------|-------|-------------------------|-------------------------|
| AM 5474 | | 18081 | not s. g. s | not s. g. s |
| 5622 | | 18126 | not s. f. s | not s. f. s |
| 5749 | | 18168 | not s. h. s | not s. h. s |
| 6004 | | 18394 | not s. f. s | not s. f. s |
| 6070 | | 18422 | not s. e. s | not s. e. s |
| 6111 | | 18438 | not s. g. s | not s. g. s |
| 6388 | | 18509 | not s. g. s | not s. g. s |
| 6439 | | 18524 | [[[h s | not s. h. s |
| 7062 | | 18855 | not s. f. s | not s. f. s |
| 7628 | | 19250 | not s. g. s | not s. g. s |
| 8468 | | 19601 | not s. e. s | not s. e. s |
| 9440 | | 20020 | not s. f. s | not s. f. s |
| 9856 | | 20296 | [[[f | not s. f. s |
| 9893 | | 20307 | not s. g. s | [g defect? |
| 10557 | | 20624 | not s. h. s | not s. h. s |
| 10779 | | 20690 | not s. f. s | not s. f. s |
| 10787 | | 20691 | not s. f. s | not s. f. s |
| 10811 | | 20694 | not s. e. s | not s. e. s |
| 10901 | | 20708 | not s. f. s | not s. f. s |
| 10919 | | 20710 | g] | not s. g. s |
| 11698 | | 20994 | not s. g. s | =g |
| 12141 | | 21050 | not s. g. s | not s. g. s |
| 12920 | | 21316 | not s. g. s | not s. g. s |
| 13132 | | 21363 | not s. g. s | not s. g. s |
| 15806 | | 23198 | [g? | not s. g. s |
| 16331 | | 23615 | not s. g. s | not s. g. s |
| 16350 | | 23639 | not s. h. s | not s. h. s |
| 16385 | | 23664 | not s. g. s | not s. g. s |

| 54 | 55 | 61 | 56 | 58 | Remarks |
|-------------|-------------|-------------|-------------|-------------|------------------------|
| XX Sec | XZ Sec | XY Sec | YZ Sec | YY Sec | |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | = f | quite good |
| not s. f. s | e-f (dup?) | not s. f. s | not s. f. s | not s. f. s | fair |
| not s. h. s | not s. h. s | [h | not s. h. s | not s. h. s | good |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | c-d | fair |
| not s. e. s | = e | [e | not s. e. s | [e | fair |
| not s. g. s | not s. g. s | not s. g. s | h] | [g | quite good |
| not s. g. s | = g | not s. g. s | not s. g. s | not s. g. s | fair |
| not s. h. s | not s. h. s | not s. h. s | not s. h. s | [h | quite good |
| not s. f. s | not s. f. s | -e (dup?) | not s. f. s | not s. f. s | fair |
| not s. g. s | [g | not s. g. s | not s. g. s | not s. g. s | fair |
| not s. e. s | not s. e. s | not s. e. s | not s. e. s | = e | fair |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | = c | fair |
| not s. f. s | not s. f. s | not s. f. s | not s. f. s | not s. f. s | quite good |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | not s. g. s | slightly trailed |
| not s. h. s | not s. h. s | not s. h. s | not s. h. s | h] | quite good |
| not s. g. s | [g | not s. g. s | not s. g. s | c-d | fair |
| not s. f. s | not s. f. s | not s. f. s | not s. f. s | [e | fair |
| not s. e. s | not s. e. s | not s. e. s | not s. e. s | d]] | fair |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | f] | fair |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | = f | quite good |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | not s. g. s | good |
| not s. g. s | [g | not s. g. s | not s. g. s | not s. g. s | quite good |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | = c | good |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | [g | quite good |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | not s. g. s | cloudy |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | = d | quite good |
| not s. h. s | not s. h. s | not s. h. s | not s. h. s | c-d | very clear but trailed |
| not s. g. s | not s. g. s | not s. g. s | not s. g. s | [e | slightly trailed |

| Plate | Date | J. D. | WX Leo 69 | WZ Leo 52 |
|--------|----------------|-------|--------------|--------------|
| Hx 650 | June 30, 1924 | 23967 | not s. h. s. | not s. h. s. |
| 663 | July 2, 1924 | 23969 | not s. h. s. | not s. h. s. |
| 786 | Aug 28, 1924 | 24026 | not s. k. s. | h-k |
| 1048 | May 14, 1925 | 24285 | not s. k. s. | not s. k. s. |
| 1071 | May 21, 1925 | 24292 | El | not s. k. s. |
| 1145 | June 15, 1925 | 24317 | El | not s. k. s. |
| 1219 | July 16, 1925 | 24348 | not s. l. s. | El |
| 1263 | Aug 7, 1925 | 24370 | not s. l. s. | =h |
| 1302 | Sept. 5, 1925 | 24399 | sun. El k | =k |
| 1574 | April 17, 1926 | 24623 | El | not s. k. s. |
| 1601 | | 24641 | 4-g | not s. k. s. |
| 1638 | May 15, 1926 | 24657 | h | not s. l. s. |
| 1683 | June 5, 1926 | 24672 | =h | El |
| 1742 | July 6, 1926 | 24703 | El | not s. l. s. |
| A-5551 | Aug. 16, 1901 | 15613 | not s. k. s. | not s. k. s. |
| A 9828 | | 18102 | =h | g-h |
| 9851 | | 18109 | — | — |
| 9936 | | 18136 | not s. h. s. | not s. k. s. |
| -9953 | July 12, 1908 | 18135 | — | — |
| 9049 | | 18181 | — | — |
| 9336 | | 18466 | — | — |
| 9362 | | 18470 | — | — |
| -9415 | June 23, 1909 | 18481 | not s. k. s. | not s. k. s. |
| 9516 | | 18494 | not s. g. s. | not s. g. s. |
| 9639 | | 18530 | not s. l. s. | El |
| -11200 | May 8, 1915 | 20626 | not s. k. s. | — |
| 12043 | | 23231 | h-k | 4-g |
| -13021 | July 3, 1924 | 23970 | =l | l-m |

| 54 | 55 | 61 | 56 | 58 | Remarks |
|------------|------------|------------|------------|------------|----------------------|
| XX Sco | XZ Sco | XY Sco | YZ Sco | YY Sco | |
| not s. h.s | not s. h.s | not s. h.s | not s. h.s | e-f | slightly trailed |
| not s. h.s | not s. h.s | not s. h.s | not s. h.s | =e | slightly trailed |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | | good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | c-d | good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | c-d | very good |
| not s. l.s | not s. l.s | not s. l.s | l] | =g | very good |
| not s. l.s | not s. l.s | not s. l.s | [l] | =l | very good |
| not s. l.s | [h | not s. l.s | not s. l.s | not s. l.s | very good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | not s. k.s | good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | d] | very good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | e-f | very good |
| not s. l.s | not s. l.s | not s. l.s | not s. l.s | =f | very good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | =h | very good |
| not s. l.s | not s. l.s | not s. l.s | not s. l.s | [el | very good |
| not s. k.s | not s. k.s | not s. k.s | [l.k | not s. k.s | very good |
| not s. m.s | h] | =l | =k | not s. m.s | very good. In center |
| — | — | not s. h.s | not s. h.s | =g | quite good |
| not s. h.s | not s. h.s | — | — | — | quite good |
| — | not s. k.s | [h | not s. k.s | not s. k.s | good |
| — | m] | h-k | l-m | [l.l | very good |
| — | — | [h | not s. h.s | not s. h.s | quite good |
| — | not s. h.s | not s. h.s | not s. h.s | not s. h.s | fair |
| — | — | not s. l.s | [l | l] | good |
| =k | — | — | — | — | quite good |
| [f | not s. g.s | — | — | — | quite good |
| h]] | not s. l.s | — | — | — | very good |
| — | — | — | — | — | fair. (Near edge) |
| [h | [l | — | — | — | very good |
| not s. m.s | [m | [l | [m | =g | very good. In center |

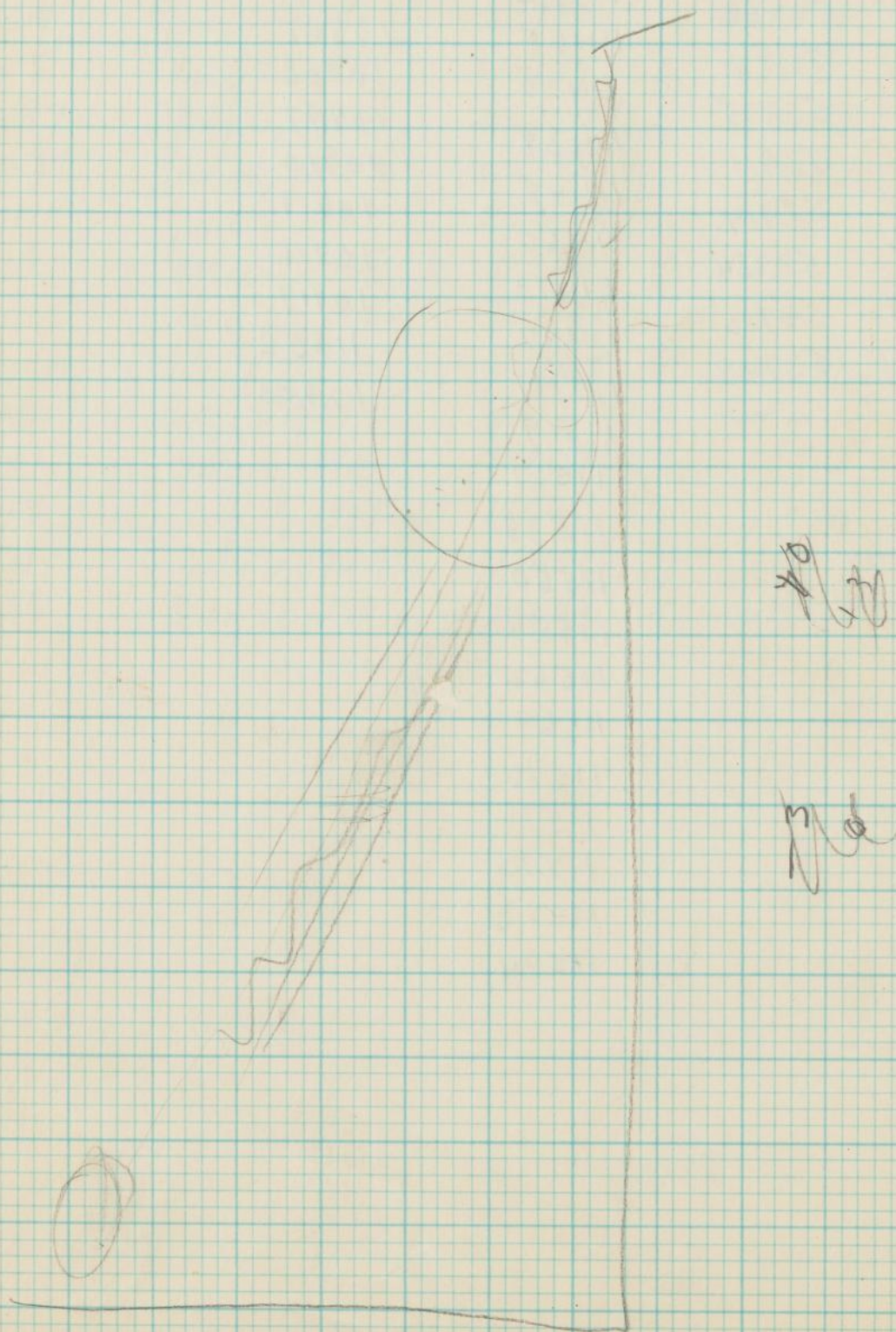
Additional plates

| Plate | Date | J.D. | 69 Wx Sec | 52 WZ Sec |
|---------|----------------|-------|--------------|--------------|
| AX 487 | April 29, 1924 | 23905 | [h | not s. b.s |
| 612 | June 23, 1924 | 23960 | not s. b.s | not s. b.s |
| 724 | July 26, 1924 | 23993 | not s. b.s | not s. b.s |
| 1105 | May 28, 1925 | 24299 | l] | not s. l.s |
| A 12497 | July 6, 1926 | 23607 | m] | l-m |
| 12489 | July 4, 1923 | 23605 | m]] | [l |
| 12416 | June 6, 1923 | 23577 | [l | l]] |
| 12381 | May 21, 1923 | 23561 | =l | [g |
| 12038 | June 20, 1922 | 23228 | [m | [g |
| 11370 | Sept 7, 1915 | 20748 | not s. m.s | not s. m.s |
| 11364 | Aug. 28, 1915 | 20738 | not s. l.s | not s. l.s |
| 10171 | July 6, 1910 | 18859 | [l | h-k |
| 9613 | Aug 4, 1909 | 18523 | =m | [h |
| 9511 | July 6, 1909 | 18496 | not s. h.s. | not s. h.s |
| 2286 | May 13, 1897 | 14058 | not s. l.s | [l |

Missing Plates (for RU 6 crucis)

(Missing from stacks. I haven't looked anywhere else.)

| <u>TB</u> | | | <u>MF</u> | <u>A</u> |
|-----------|---------|---------|-----------|----------|
| 3511 ✓ | 25608 ✓ | 52650 | | |
| 7254 | 27310 | 52662 | 8663 | 3094 ✓ |
| 9299 | 29083 ✓ | 52684 ✓ | 11342 | 7277 |
| 9364 | 29754 ✓ | 52732 ✓ | 11352 | 7639 |
| 9706 ✓ | 30245 ✓ | 52828 ✓ | 11408 | 10667 |
| 10880 ✓ | 31605 ✓ | 52875 ✓ | 11430 | 10706 |
| 12993 | 33095 ✓ | 52911 ✓ | 11438 | 10897 |
| 15369 ✓ | 33736 ✓ | 52914 ✓ | 11448 | 10910 |
| 15424 ✓ | 33885 | 52934 ✓ | 11460 | 10911 |
| 15507 ✓ | 37559 ✓ | 53710 ✓ | 11473 | 10916 |
| 15637 | 38709 ✓ | 53749 ✓ | 11487 | 10917 |
| 15724 | 38922 ✓ | | 11511 | 11852 |
| 15768 | 43831 ✓ | | 11519 | 12950 |
| 16647 | 46417 ✓ | | 11527 | |
| 16049 | 46444 ✓ | | 11538 | |
| 16383 | 46480 ✓ | | 11550 | |
| 16600 | 47241 ✓ | | 11554 | |
| 17116 | 47951 | | 11562 | |
| 17276 | 49883 ✓ | | 11569 | |
| 17286 | 49980 ✓ | | 11570 | |
| 18779 ✓ | 50127 ✓ | | 11571 | |
| 19078 | 50228 ✓ | | 11572 | |
| 19269 | 50229 ✓ | | 11573 | |
| 19475 ✓ | 50286 ✓ | | 11574 | |
| 19569 | 50331 ✓ | | | |
| 19673 ✓ | 50332 ✓ | | | |
| 21616 ✓ | 50694 ✓ | | | |
| 21702 ✓ | 51218 ✓ | | | |
| 21714 ✓ | 52425 ✓ | | | |
| 22582 ✓ | 52521 ✓ | | | |
| 22875 ✓ | 52554 | | | |
| 24924 ✓ | 52128 | | | |
| 25004 ✓ | | | | |



40
12

30
10

| 54 | 55 | 61 | 56 | 58 | Remarks |
|------------|------------|------------|------------|------------|------------|
| XX Sco | XZ Sco | XY Sco | YZ Sco | YY Sco | |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | not s. k.s | good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | d-e | good |
| not s. k.s | not s. k.s | not s. k.s | not s. k.s | h-k | good |
| not s. l.s | not s. l.s | not s. l.s | not s. l.s | [d | very good |
| m]] | — | — | — | — | very good |
| m]] | — | — | — | — | very good |
| l-m | — | — | — | — | near edge |
| [k | — | — | — | — | quite good |
| =g | — | — | — | — | good |
| [h | [h | not s. m.s | not s. m.s | =l | quite good |
| h] | [h | — | m]] | l] | quite good |
| =m | — | — | — | — | good |
| =h | not s. m.s | — | — | — | good |
| [g | not s. h.s | — | — | — | poor |
| g] | not s. l.s | not s. l.s | not s. l.s | not s. l.s | quite good |

| RX Ori (72) | | Marked on A10835 and Chart λ_{11}^{790} | | | Sequence on A10835- | |
|-------------|------|---|-----------|------------------|---------------------|--|
| Plate | Date | J.D. | Estimate | Remarks | | |
| A. 61 | | 12798 | e] | trailed | | |
| 128 | | 12825 | d-e | thurred | | |
| 144 | | 12830 | e] | thurred | | |
| 153 | | 12837 | e] | quite good | | |
| 192 | | 12854 | = e | quite good | | |
| 1271 | | 13221 | [c | good | | |
| 2154 | | 13873 | n.s. k.s. | good | | |
| 3429 | | 14641 | n.s. k.s. | good | | |
| 7118 | | 16827 | n.s. k.s. | good | | |
| 7434 | | 17069 | = k | very good | | |
| 8191 | | 17524 | n.s. k.s. | good but trailed | | |
| 8199 | | 17531 | n.s. k.s. | very good | | |
| 10823 | | 20093 | n.s. k.s. | good | | |
| 10835 | | 20104 | n.s. k.s. | good | | |
| 11157 | | 20603 | n.s. k.s. | good | | |
| I 24326 | | 15015 | = f | Rather thurred | | |
| 24349 | | 15018 | f] | Fair | | |
| 24377 | | 15023 | e] | quite good | | |
| 31439 | | 16519 | [g | quite good | | |
| 31511 | | 16544 | f-g | quite good | | |
| MF 11083 | | 25157 | n.s. k.s. | trailed | | |
| 11087 | | 25158 | n.s. k.s. | slightly trailed | | |
| 11172 | | 25202 | n.s. k.s. | trailed | | |

| Plate | Date | J. D. | Estimate | Remarks |
|-------|------|-------|-----------|------------------|
| Mc 74 | | 18626 | =e | quite good |
| 213 | | 18707 | =h | good |
| 892 | | 19060 | g-h | fair |
| 903 | | 19067 | [h | quite good |
| 1570 | | 19426 | [[g | quite good |
| 1574 | | 19426 | =h | good |
| 1578 | | 19427 | [g | quite good |
| 1581 | | 19427 | g] | quite good |
| 1584 | | 19427 | =g | slightly trailed |
| 7785 | | 20541 | n.s. k.s. | very good |
| 16495 | | 22307 | n.s. k.s. | good |
| 16646 | | 22364 | h]] | very good |
| 16653 | | 22366 | =g | good |
| 16654 | | 22366 | [g | good |
| 16661 | | 22369 | g]] | quite good |
| 16663 | | 22371 | [f | good |
| 16724 | | 22407 | d]] | quite good |
| 16733 | | 22408 | [d | quite good |
| 17010 | | 22661 | n.s. k.s. | good |
| 17036 | | 22677 | n.s. k.s. | very good |
| 17058 | | 22693 | n.s. k.s. | good |
| 17068 | | 22696 | n.s. k.s. | good |
| 17076 | | 22698 | n.s. k.s. | good |
| 17123 | | 22717 | n.s. k.s. | very good |
| 17127 | | 22718 | n.s. k.s. | very good |
| 17143 | | 22729 | n.s. k.s. | good |

No. obs. = 50

RY Ori (75)

Marked on A10935 + chart, as 793. Sequence on A10835

| Plate | Date | J. D. | Estimate | Remarks |
|-------|------|---------|----------|------------------|
| A 61 | | 12798 ✓ | [d | Blurred |
| 122 | | 12824 ✓ | c-d | Near edge |
| 128 | | 12825 ✓ | c-d | Blurred |
| 142 | | 12830 ✓ | t-c | Fair. (blear) |
| 144 | | 12830 ✓ | [[b | Quite good |
| 153 | | 12837 ✓ | =d | Good |
| 187 | | 12852 ✓ | e] | Poor |
| 205 | | 12860 ✓ | d]] | Fair |
| 216 | | 12862 ✓ | =d | Quite good |
| 220 | | 12865 ✓ | [[c | Good |
| 240 | | 12876 ✓ | d] | Poor |
| 241 | | 12876 ✓ | =d | Fair |
| 1270 | | 13219 | [b | Near edge |
| 1271 | | 13221 | [t | Quite good. Edge |
| 2154 | | 13873 ✓ | t-c | Good. Edge |
| 2199 | | 13947 ✓ | [d | Very good |
| 2863 | | 14227 | [[b | Fair |
| 2864 | | 14227 | t-c | Quite good |
| 3423 | | 14632 ✓ | a-b | Fair |
| 3422 | | 14632 ✓ | a-t | Quite good |
| 3429 | | 14641 ✓ | t]] | Good |
| 3430 | | 14641 ✓ | b]] | Quite good |
| 6696 | | 16594 ✓ | b] | Quite good |
| 7109 | | 16821 ✓ | =t | Fair |
| 7110 | | 16821 ✓ | t] | Trailed |
| 7434 | | 17069 ✓ | =t | Near edge Bright |
| 8191 | | 17524 ✓ | =t | Good |
| 8199 | | 17531 ✓ | b] | Good |
| 9971 | | 18616 ✓ | [t | Fair |

RY Ori cont.

| Plate | Date | J.D. | Estimate | Remarks |
|--------------------|------|---------|----------|------------------|
| A 10823 | | 20093 ✓ | b]] | <u>Good</u> |
| 10828 | | 20100 ✓ | c] | <u>Good</u> |
| 10835 | | 20104 ✓ | c]] | <u>Good</u> |
| I 57 | | 11392 ✓ | [c | Fair |
| 71 | | 11310 ✓ | e] | Quite good |
| 135 | | 11322 ✓ | [c c | Trailed |
| 566 | | 11392 ✓ | d] | Trailed |
| 647 | | 11409 ✓ | =c | Fair |
| B 8891 | | 12452 | d-e | Blurred |
| ? 10256 | | 12715 | d]] | Fair |
| I 11742 | | 13120 | b] | Poor |
| B 18133 | | 13894 ✓ | c] | Fair |
| I 24326 | | 15015 ✓ | c] | Slightly trailed |
| 24349 | | 15018 ✓ | =t | Good |
| 24377 | | 15023 ✓ | d] | Good |
| 28271 | | 15767 ✓ | b] | Quite good |
| 31439 | | 16519 ✓ | =t | Good |
| 31447 | | 16520 ✓ | b] | Slightly trailed |
| 31511 | | 16544 ✓ | b] | Quite good |
| continued on p. 47 | | | | |
| MF 2166 | | 21631 ✓ | =t | Poor |
| RH 10 | | 25263 ✓ | b]] | Quite good |
| 12 | | 25263 ✓ | b]] | Quite good |

44

Ry Ori cont.

| Plate | Date | J.D. | Estimate | Remarks |
|-------|------|---------|----------|------------|
| MC 74 | | 18626 ✓ | b]] | Blurred |
| 213 | | 18707 ✓ | a-b | Good |
| 844 | | 19037 ✓ | t] | Near edge |
| 892 | | 19060 ✓ | =b | Fair |
| 903 | | 19067 ✓ | =b | Fair |
| 1570 | | 19426 ✓ | c-d | Quite good |
| 1574 | | 19426 ✓ | =c | Quite good |
| 1578 | | 19427 ✓ | b-c | Quite good |
| 1581 | | 19427 ✓ | c] | Quite good |
| 1584 | | 19427 ✓ | c] | Good |
| 16495 | | 22307 ✓ | =d | Quite good |
| 16661 | | 22369 ✓ | d] | Quite good |
| 16662 | | 22369 ✓ | c-d | Near edge |
| 16726 | | 22407 ✓ | [c | Fair |
| 16734 | | 22408 ✓ | c-d | Quite good |
| 16739 | | 22418 ✓ | c]] | Quite good |
| 16973 | | 22611 ✓ | b-c | Quite good |
| 17010 | | 22661 ✓ | [b | Good |
| 17036 | | 22677 ✓ | =b | Good |
| 17058 | | 22693 ✓ | =c | Quite good |
| 17068 | | 22696 ✓ | b] | Good |
| 17074 | | 22698 ✓ | b] | Good |
| 17076 | | 22698 ✓ | b] | Good |
| 17123 | | 22717 ✓ | c-d | Good |
| 17127 | | 22718 ✓ | [c | Good |
| 17131 | | 22722 ✓ | c-d | Good |
| 17138 | | 22725 ✓ | d]] | Good |

Ryoni count.

45

| Plate | Date | J.D. | Estimate | Remarks |
|--------|------|--------------------|----------|---------|
| AX 845 | | 24054 [✓] | = a | trailed |
| 881 | | 24082 [✓] | [b | trailed |
| 894 | | 24086 [✓] | c] | Good |
| 929 | | 24118 [✓] | = a | trailed |
| 932 | | 24120 [✓] | a-t | Good |
| 936 | | 24121 [✓] | a] | trailed |
| 966 | | 24166 [✓] | a] | Good |
| 977 | | 24196 [✓] | a] | Good |
| 1349 | | 24417 ^x | = c | trailed |
| 1411 | | 24494 [✓] | a] | Good |
| 1420 | | 24497 [✓] | = a | trailed |
| 1425 | | 24499 [✓] | [b | trailed |
| 1439 | | 24504 [✓] | a] | Good |
| 1475 | | 24524 [✓] | t-c | trailed |
| 1490 | | 24528 [✓] | [c | trailed |
| 1499 | | 24531 [✓] | = a | Good |
| 1504 | | 24534 [✓] | a] | trailed |
| 1530 | | 24553 [✓] | b-]] | trailed |
| 1867 | | 24760 [✓] | a] | hurried |
| 1959 | | 24801 [✓] | [b | trailed |
| 1963 | | 24802 [✓] | [b | Good |
| 1982 | | 24824 [✓] | a-t | Good |
| 1988 | | 24826 [✓] | [[a | Good |
| 2041 | | 25179 [✓] | [[c | trailed |
| 2053 | | 25183 [✓] | c] | Good |
| 2068 | | 25201 [✓] | = b | hurried |
| 2102 | | 25230 [✓] | a] | trailed |

46

RV Ori (1177)

Marked on A 2199 & chart 1.

Sequence on A 2199

| Plate | Date | J.D. | Estimates | Remarks |
|---------|---------------|----------------------|------------|---------------------|
| A 61 | | 12798 | n.s. e. s. | Poor |
| 128 | | 12825 | n.s. f. s. | Fair |
| 144 | | 12830 | n.s. h. s. | Quite good |
| 153 | | 12837 | n.s. l. s. | <u>Good</u> |
| 216 | | 12862 | n.s. g. s. | Fair |
| 220 | | 12865 | n.s. l. s. | Good |
| 241 | | 12876 | [f ? | Poor |
| 1271 | | 13221 | n.s. l. s. | Near edge |
| 2154 | | 13873 | d-e | Good |
| 2199 | | 13947 | d-e | <u>Good</u> |
| 6696 | | 2 ⁺ 16594 | =g | Fair |
| 7434 | | 1 ⁻ 17069 | n.s. l. s. | <u>Good</u> |
| 8191 | | 17524 | [l | Very good |
| 8199 | | 1 ⁻ 17531 | =h | Very good |
| 10823 | | 20093 | [k] | Blurred |
| 10828 | | 20100 | [l] | Slightly blurred |
| 10835 | | 3 20104 | n.s. k. s. | Good |
| I 71 | | 11310 | n.s. e. s. | Quite good |
| I 566 | | 11392 | n.s. g. s. | Trailed; quite good |
| B 8891 | | 12452 | [g] | Blurred |
| B 8895 | | 12455 | [e | Blurred; quite good |
| 10250 | | 12715 | n.s. f. s. | Quite good |
| 17446 | Feb. 27, 1897 | 13983 | [e] | Quite good |
| 20305 | | 14181 | [l] | Quite good |
| 20667 | | 14224 | e-f | Good |
| 24326 | | 15015 | =k | Quite good |
| 24349 | | 15018 | n.s. k. s. | Quite good |
| B 31232 | | 16120 | n.s. h. s. | Quite good |

RY Ori (cont. from p 43) Additional plates

47

| Plate | Date | J.D. | Estimates | Remarks |
|--------|------|---------|-----------|---------------------|
| B10748 | | 12892 | e] | Quite good |
| 14768 | | 13472 | d] | Quite good |
| 14885 | | 13484 | c] | Quite good |
| 17000 | | 13762 ✓ | d] | Fair |
| 17163 | | 13786 ✓ | =c | Fair |
| 18341 | | 13946 ✓ | c-d | Fair |
| 18504 | | 13959 ✓ | [c | Poor |
| 18621 | | 13996 ✓ | c] | Quite good |
| 19101 | | 14058 ✓ | d] | Fair |
| 20305 | | 14181 | b-c | Good |
| 20667 | | 14224 | c-d | Clear, stars double |
| 26200 | | 15280 ✓ | a] | Fair |
| 26570 | | 15337 ✓ | a] | Blurred, Poor |
| 28719 | | 15666 ✓ | a] | Quite good |
| 30738 | | 16020 ✓ | c] | Fair |
| 31232 | | 16120 ✓ | a] | Trailed, clear |
| 32478 | | 16335 | =c | Good |
| 32808 | | 16418 ✓ | a] | Quite good |
| 35049 | | 16760 ✓ | a] | Slightly blurred |
| 35111 | | 16769 ✓ | a] | Quite good |
| 32225 | | 16775 ✓ | b-c | Poor |
| 35281 | | 16811 ✓ | c] | Quite good |
| 35283 | | 16813 ✓ | c]] | Good |
| 35309 | | 16815 ✓ | b-c | Blurred |
| 35357 | | 16822 ✓ | =b | Trailed |
| 37224 | | 17167 ✓ | b-c | Quite good |

cont. on next page

48 RY Ori (Cont. from p. 47) Additional plates

| Plate | Date | J.D. | Estimate | Remarks |
|---------|------|---------|-----------------|------------------------|
| AM 2196 | | 16339 | a] (a not seen) | Fair |
| 2305 | | 16366 | = a | Fair |
| 2354 | | 16388 | a] | Fair |
| 3031 | | 16734 ✓ | [a | Fair |
| 3137 | | 16767 ✓ | a] | Fair |
| 3219 | | 16796 ✓ | a] | Fair |
| 3236 | | 16801 ✓ | a]] | Quite good |
| 3834 | | 17083 ✓ | a] | Good |
| 3896 | | 17107 ✓ | a] | Good |
| 3934 | | 17124 ✓ | a] | Good |
| 4044 | | 17236 × | a]] | Quite good |
| 4533 | | 17447 ✓ | a] | Fair, trailed |
| 4579 | | 17469 ✓ | n.s. b.s. | Quite good |
| 4637 | | 17497 ✓ | a] | Quite good |
| 4702 | | 17531 ✓ | = b | Quite good |
| 4723 | | 17558 ✓ | a] defect? | Quite good |
| 5835 | | 18201 ✓ | [b | Good |
| 5877 | | 18240 ✓ | c] | Good; a little trailed |
| 6012 | | 18396 ✓ | b] | Quite good |
| 6675 | | 18593 ✓ | [a | Fair |
| 6721 | | 18605 ✓ | b-c | Good; slightly trailed |
| 6740 | | 18613 ✓ | n.s. c.s. | Quite good |
| 10215 | | 20426 ✓ | c] | Good |
| 10301 | | 20483 ✓ | a] | Trailed |
| 11470 | | 20817 ✓ | = b | Good |
| 16128 | | 23353 ✓ | a] | Quite good |
| 16153 | | 23403 ✓ | [b | Quite good, trailed |
| 16243 | | 23542 ✓ | a] | Trailed |

R Ori (cont. additional plates)

49

| Plate | Date | J. D. | Estimate | Remarks |
|--------|------|---------|------------|-----------------------------|
| AC 651 | | 15023 ✓ | n.s. c. s. | Good |
| 1223 | | 15424 ✓ | a] | Quite good |
| 1226 | | 15424 ✓ | =a | Quite good |
| 1827 | | 15662 ✓ | a] | Blurred |
| 1936 | | 15690 ✓ | a] | Fair |
| 2034 | | 15720 ✓ | a] | Blurred + tailed |
| 2145 | | 15753 ✓ | a] | Quite good |
| 2202 | | 15767 ✓ | a-b | Quite good |
| 2321 | | 15893 ✗ | a] | Quite good |
| 2869 | | 16030 ✓ | a] | Quite good |
| 2959 | | 16053 ✓ | a-b | Quite good |
| 3094 | | 16107 ✓ | =b | Quite good |
| 3137 | | 16108 ✓ | a] | Quite good |
| 3386 | | 16176 ✓ | a] | Blurred |
| 4368 | | 16463 ✓ | [b | Blurred |
| 4512 | | 16490 ✓ | a] | Quite good |
| 4526 | | 16495 ✓ | a]] | Quite good |
| 4608 | | 16516 ✓ | a] | Quite good |
| 5351 | | 16761 ✓ | a] | Quite good |
| 5626 | | 16813 ✓ | n.s. c. s. | Good |
| 5664 | | 16819 ✓ | b-c | Good |
| 5782 | | 16844 ✓ | =a | Quite good |
| 5980 | | 16888 ✓ | a] | Quite good |
| 6089 | | 16906 ✓ | a]] | Good |
| 7126 | | 17202 ✓ | =b | Star blurred. B not blurred |
| 7286 | | 17258 ✓ | a]] | Good |
| 8143 | | 17585 ✓ | =b | Quite good |
| 8244 | | 17619 | a] | Quite good |
| 11166 | | 18659 ✓ | =a | Tailed |
| 11233 | | 18672 ✓ | b] | quite good |

RY Ceri cont.

| Plate | Date | J.W. | Estimate | Remarks |
|--------------------------|------|---------|---------------|-------------|
| C 11246 | | 18676 ✓ | a-b | Good. |
| 11351 | | 18708 ✓ | a] | Good |
| 11484 | | 18747 ✓ | a] | Quite good |
| 11493 | | 18749 ✓ | a] | Quite good |
| 12068 | | 18974 ✓ | =a | Quite good |
| 12165 | | 19008 ✓ | =a | quite good |
| 12250 | | 19036 ✓ | a] | Trailed |
| 12262 | | 19037 ✓ | a] | Quite good |
| 12300 | | 19055 ✓ | n.s. t.s. | Quite good |
| <i>out of order</i> 9138 | | 17944 ✓ | =a | Quite good |
| 9214 | | 17971 | t]] | Quite good |
| 9873 | | 18247 ✓ | n.s. c.s. 200 | Quite good |
| 9941 | | 18267 ✓ | [a | Trailed |
| 12647 | | 19323 ✓ | a-b | Blurred |
| 12707 | | 19343 ✓ | a] | Trailed |
| 12760 | | 19370 ✓ | [a | Trailed |
| 12878 | | 19438 ✓ | a]] | Good |
| 12942 | | 19456 ✓ | =a | Quite good. |
| 13315 | | 19683 ✓ | =a | Blurred |
| 13841 | | 19691 ✓ | n.s. t.s. | Quite good |
| 13629 | | 19777 | =t | Trailed |
| 13735 | | 19804 | c] | Good |
| 14450 | | 20062 ✓ | a] | Trailed |
| 14690 | | 20121 ✓ | [[b | Good |
| 14912 | | 20189 ✓ | a] | Trailed |
| 15721 | | 20451 ✓ | t-c | Good |
| 15975 | | 20505 ✓ | =t | Quite good |
| 16122 | | 20547 ✓ | t-c | Good |
| 16806 | | 20774 ✓ | a] | Fair |
| 16908 | | 20801 ✓ | [[a | Good |

| Plate | Date | J.D. | Estimate | Remarks |
|--------------|------|---------|-----------|------------------|
| AC 17052 | | 20832 ✓ | [La | Good |
| 17172 | | 20862 ✓ | n.s. c.s. | Good |
| 18060 | | 21163 ✓ | [a | Blurred |
| 18377 | | 21228 ✓ | n.s. b.s. | Quite good |
| 19385 | | 21536 ✓ | [b | Quite good |
| 19438 | | 21543 ✓ | [b | Slightly trailed |
| 19575 | | 21573 ✓ | b-c | Good |
| 19586 | | 21574 ✓ | a-b | Quite good |
| 19676 | | 21607 ✓ | b] | trailed; faint |
| 19701 | | 21609 ✓ | [a | trailed; faint |
| 19754 | | 21626 ✓ | =b | trailed |
| 19920 | | 21668 ✓ | c-b | Good |
| 21046 | | 21991 ✓ | =a | Fair |
| 21246 | | 22024 ✓ | n.s. b.s. | Quite good |
| 22246 | | 22336 ✓ | [c | Good |
| 22298 | | 22345 ✓ | b] | Quite good |
| outgorder 63 | | 14579 | a-b | Good |
| 152 | | 14666 ✓ | a]] | Good |
| 447 | | 14914 ✓ | a] | Blurred |
| 719 | | 15069 ✓ | a] | Quite good |
| 1110 | | 15383 ✓ | b] | trailed |
| 1216 | | 15423 ✓ | =b | trailed |
| 1270 | | 15437 ✓ | [b | Good |
| 1272 | | 15437 ✓ | [b | Quite good |
| 1369 | | 15467 ✓ | a]] | trailed |
| 1779 | | 15652 ✓ | a]] | Quite good |
| 1793 | | 15654 ✓ | a] | Quite good |
| 1819 | | 15661 ✓ | a] | Fair |
| 2057 | | 15724 ✓ | a] | Good |
| 2156 | | 15753 ✓ | a]] | Good |

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RY Ori Cont.

249

| Plate | Date | J.R. | Estimate | Remarks |
|---------|------|---------|----------|------------------|
| AC 2309 | | 15791 ✓ | [a | Good |
| 2390 | | 15815 | [a | Quite good |
| 2398 | | 15819 | =a | Quite good |
| 2885 | | 16032 ✓ | a]] | Good |
| 2931 | | 16047 ✓ | a-t | Quite good |
| 2953 | | 16053 ✓ | =a | Quite good |
| 2960 | | 16054 ✓ | =a | Good |
| 3225 | | 16145 ✓ | a]] | Trailed |
| 3390 | | 16165 ✓ | [t | Slightly trailed |
| 4094 | | 16412 ✓ | a] | Quite good |
| 4263 | | 16444 ✓ | [c | Good |
| 4519 | | 16494 ✓ | a]] | Good |
| 4631 | | 16521 ✓ | [t | Good |
| 4721 | | 16549 ✓ | =a | Fair |
| 5371 | | 16769 ✓ | =a | Quite good |
| 5493 | | 16792 ✓ | a]] | Quite good |
| 5500 | | 16793 ✓ | a] | Good |
| 5665 | | 16819 ✓ | [t | Good |
| 5715 | | 16828 ✓ | [t | Good |
| 5797 | | 16850 ✓ | =t | Good |
| 5893 | | 16872 ✓ | a]] | Good |
| 5918 | | 16876 ✓ | a] | Quite good |
| 5936 | | 16880 ✓ | a-t | Good |
| 6065 | | 16902 ✓ | a]] | Good |
| 6748 | | 17116 ✓ | a]] | Good |
| 6776 | | 17123 ✓ | a] | Fair |
| 6871 | | 17140 ✓ | a] | Good |
| 6911 | | 17148 ✓ | =a | Good |
| 7221 | | 17238 ✓ | a]] | Good |
| 7238 | | 17241 ✓ | a] | Quite good |

RV Ori cont.

53

| Plate | Date | J. D. | Estimate | Remarks |
|----------|------|---------|-----------|------------------|
| AC 7292 | | 17259 ✓ | a] | Good |
| 7329 | | 17270 ✓ | a] | Trailed |
| AM 10428 | | 20606 ✓ | a-b | Quite good |
| 12814 | | 21202 ✓ | [b | Fair |
| AC 23232 | | 22696 ✓ | a-b | Good |
| 23413 | | 22729 ✓ | b-c | Quite good |
| 24005 | | 22925 ✓ | a] | Fair |
| 24234 | | 22975 ✓ | [a | Quite good |
| 24300 | | 22988 ✓ | =a | Quite good |
| 24330 | | 22991 ✓ | [a | Fair |
| 24378 | | 23004 ✓ | a]] | Quite good |
| 24436 | | 23030 ✓ | =b | Quite good |
| 24458 | | 23032 ✓ | u.s. t.s. | Quite good |
| 24493 | | 23043 ✓ | a] | Fair |
| 24505 | | 23044 ✓ | a]] | Fair |
| 24534 | | 23054 ✓ | [a | Quite good |
| 24587 | | 23071 ✓ | [b | Quite good |
| 24620 | | 23088 ✓ | a] | Trailed |
| 24872 | | 23213 ✓ | a] | Fair |
| 24881 | | 23320 ✓ | [b | Quite good |
| 24923 | | 23346 ✓ | a] | Stars triple |
| 24935 | | 23350 ✓ | a]] | Stars double |
| 24936 | | 23351 ✓ | a]] | Good |
| 24980 | | 23375 ✓ | [a | Stars triple |
| 25072 | | 23433 ✓ | b-] | Fair |
| 25074 | | 23433 ✓ | [b | Slightly trailed |
| 25077 | | 23436 ✓ | =c | Good |
| 25124 | | 23458 ✓ | b] | Good |

54

RY Ori cont.

| | Plate | Date | J. D. | Estimate | Remarks | |
|----|-------|------|---------|----------|--------------------|----|
| AC | 25143 | | 23467 ✓ | [b | Fair | AY |
| | 25434 | | 23726 ✓ | c]] | Stars double | |
| | 25506 | | 23771 ✓ | [b | Quite good | |
| | 25773 | | 24181 ✓ | =t | Fair | |
| | 26086 | | 24437 x | =a | Stars triple | |
| | 26091 | | 24441 ✓ | a]] | Fair; Stars triple | |
| | 26551 | | 24847 ✓ | a]] | Fair | |
| | 26914 | | 25298 ✓ | [b | Good; Tripled | AC |
| AM | 16131 | | 23356 ✓ | a]] | Good | |
| | 16187 | | 23505 ✓ | a]] | Good | |
| | 16233 | | 23536 ✓ | [a | Quite good | |
| | 16245 | | 23543 ✓ | =a | Good | |
| | 16657 | | 24134 ✓ | a]]] | Good | |
| AY | 285 | | 24065 ✓ | t-c | Good | |
| | 321 | | 24078 ✓ | =a | Blurred | |
| | 340 | | 24084 ✓ | [b | Fair; stars double | |
| | 372 | | 23923 ✓ | a]] | Fair | |
| | 378 | | 24108 ✓ | a]]] | Quite good | |
| | 382 | | 24113 ✓ | a]] | Fair; stars triple | |
| | 404 | | 24124 ✓ | a]]] | Quite good; double | |
| | 449 | | 24165 ✓ | a]] | Fair; stars double | |
| | 450 | | 24165 ✓ | a]]] | Fair | |
| | 493 | | 24202 ✓ | a]] | Fair; triple | |
| | 825 | | 24434 x | a-t | Good | |
| | 943 | | 24535 ✓ | a]]] | Quite good | |
| | 1304 | | 24886 ✓ | a]] | Quite good | |
| | 1307 | | 24888 ✓ | a]]] | Fair | |
| | 1323 | | 24912 ✓ | =a | Fair | |

RY Ori cont.

55

| Plate | Date | J. D. | Estimate | Remarks |
|---------|------|---------|-----------|--------------|
| AY 1339 | | 24916 ✓ | a-b | Fair; Double |
| 1672 | | 25154 ✓ | =b | Fair |
| 1691 | | 25159 ✓ | a-b | Quite good |
| 1777 | | 25180 | b] | Quite good |
| 1796 | | 25184 ✓ | =b | Quite good |
| 1868 | | 25208 ✓ | a-b | Quite good |
| AC 7880 | | 17491 ✓ | a] | Fair |
| 8223 | | 17615 | a-b | Quite good |
| 8327 | | 17642 | =a | Trailed |
| 9025 | | 17908 | =b | Quite good |
| 9113 | | 17938 | [a | Good |
| 9139 | | 17944 | =a | Good |
| 9205 | | 17968 | n.s. b.s. | Quite good |
| 9244 | | 17979 | [a | Fair |
| 9253 | | 17980 | a-b | Quite good |
| 9307 | | 18004 ✓ | a-b | Quite good |
| 9359 | | 18025 ✓ | [a | Quite good |
| 10093 | | 18299 ✓ | n.s. c.s. | Good |
| 10258 | | 18363 ✓ | =b | Good |
| 11167 | | 18659 ✓ | =a | Good |
| 11256 | | 18679 ✓ | a] | Good |
| 12045 | | 18961 ✓ | a] | Trailed |
| 12062 | | 18973 ✓ | a]] | Quite good |
| 12108 | | 18987 ✓ | a-b | Fair |
| 12174 | | 19009 ✓ | a]] | Quite good |
| 12196 | | 19015 ✓ | [b | Trailed |
| 12230 | | 19028 ✓ | =a | Quite good |
| 12296 | | 19054 ✓ | b] | Quite good |
| 12301 | | 19055 ✓ | c] | Quite good |

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RY Ori cont.

| Plate | Date | J. D. | Estimate | Remarks |
|----------|-------------|---------|-----------|------------------------|
| AC 12668 | | 19334 ✓ | a]] | Trailed- I |
| 12762 | | 19370 ✓ | a-b | Quite good |
| 12850 | | 19415 ✓ | a] | Quite good |
| 13423 | | 19709 ✓ | n.s. c.s. | Good |
| 14461 | | 20067 ✓ | a]] | Fair |
| 14800 | | 20155 ✓ | b] | Quite good |
| 14876 | | 20178 ✓ | [a | Scratch over b |
| 15751 | | 20457 ✓ | n.s. b.s. | Quite good |
| 15777 | | 20460 ✓ | c] | Trailed |
| 15906 | | 20488 ✓ | =c | Good; a little blurred |
| 16123 | | 20547 ✓ | c] | Good |
| 16951 | | 20809 ✓ | a]] | Good |
| 17102 | | 20843 ✓ | =b | Good |
| 17274 | | 20897 ✓ | [a | Good |
| 18325 | | 21217 ✓ | [b | Quite good |
| 18535 | | 21270 ✓ | =t | Trailed |
| 19786 | | 21630 ✓ | a] | Trailed |
| AC 7129 | | 17207 ✓ | a] | Fair |
| 16235 | | 20568 ✓ | =a | Quite good |
| 17375 | | 20924 ✓ | a] | Fair |
| 18412 | | 21240 ✓ | a] | Fair |
| 25427 | | 23725 ✓ | c] | Quite good |
| 25499 | | 23768 ✓ | c] | Quite good |
| I 58 | | 11292 ✓ | n.s. c.s. | Quite good |
| 66 | | 11294 ✓ | [d | Blurred |
| 73 | | 11310 ✓ | [d | Blurred |
| 676 | | 11414 ✓ | [t | Trailed; good |
| 2564 | Dec. 22 '90 | 11724 | [c | Blurred |

RY Ori. cont.

57

| Plate | Date | J.D. | Estimate | Remarks |
|--------|---------------|-------|----------|-------------------|
| I 5370 | Jan 8 '92 | 12106 | n.s.c.s. | Fair |
| 7963 | Jan. 25 '93 | 12489 | n.s.d.s. | Quite good |
| 10546 | Jan. 23 '94 | 12852 | =c | Trailed + blurred |
| 14413 | Feb 2 '96 | 13592 | d] | Quite good |
| 16303 | Oct. 25 '96 | 13858 | [b | Quite good |
| 17446 | Feb. 27 '97 | 13983 | b] | Good |
| 19226 | Oct. 9, '97 | 14207 | =a | Quite good |
| 19335 | Oct. 22 '97 | 14220 | b-c | Quite good |
| 22239 | Jan. 26 '99 | 14681 | b] or | Fair |
| 40117 | Nov. 12, 1920 | 22641 | c]] | Quite good |
| 40118 | Nov. 12, 1920 | 22641 | [[b | Fair |
| 40956 | Feb. 2, 1922 | 23088 | =f | Trailed |
| 41698 | Oct, 17, 1922 | 23345 | a] | Good |

no. obs. = 405

58 RV Ori cont. from p. 46

| Plate | Date | J. D. | Estimate | Remarks |
|---------|---------------|----------------------|-----------|------------------------|
| B 32478 | | 16335 | n.s. l.s. | Good |
| I 31511 | | 16544 | e-f | Good |
| B 35283 | Nov. 28, 1904 | 16813 | n.s. h.s. | Quite good |
| MC 1581 | | 19427 | n.s. g.s. | Quite good; Blurred |
| 16495 | | 22307 | n.s. l.s. | <u>Good</u> |
| 16661 | | 22369 | l] | Good |
| 16973 | | 22611 | =e | Good; Slightly trailed |
| | | <u>no. obs. = 36</u> | | |

YY Ori (24) and BE Ori (66) Marked on A10835 + chart λ_2 . Sequence on A10835.

| Plate | J.D. | YY Estimate | BE Estimate | Remarks |
|-------|-------|------------------|-------------|--------------------------|
| A 29 | 12788 | [[[b (c. not s.) | [b | Blurred + trailed |
| 44 | 12793 | =b | b] | Blurred + trailed |
| 61 | 12798 | =b | c]] | Trailed |
| 128 | 12825 | c] | =b | Blurred + trailed |
| 142 | 12830 | | [b | Blurred |
| 144 | 12830 | =b | =b | Film scratched around b |
| 153 | 12837 | =d | [b | Good |
| 187 | 12852 | | =d | Faint. d last star seen |
| 192 | 12854 | =e | b-c | Quite good |
| 205 | 12860 | =d | =d | Faint, a little blurred. |
| 216 | 12862 | [e | b-c | Good |
| 241 | 12876 | | c] | Fair |
| 1270 | 13219 | =d | c] | Faint, a little blurred |
| 1271 | 13221 | e]] | =d | Good |
| 2865 | 14227 | c] | =d | Quite good |
| 2864 | 14227 | c-b | d] | Obs. more accurate than |
| 2154 | 13873 | c] | d] | Good |
| 3415 | 14615 | b]] | b] | Blurred + trailed |
| 3422 | 14632 | b] | c] | Slightly trailed |
| 3429 | 14641 | c] | b-c | Very clear + black |
| 3430 | 14641 | c] | =c | Slightly trailed |
| 3431 | 14641 | c] | c]] | Quite good |
| 3433 | 14641 | c] | b-c | Good |
| 3432 | 14641 | c] | [[b | Quite good |
| 7118 | 16827 | e-f | =d | Good |
| 7191 | 17524 | [b | c-d | Stars not round |
| 7434 | 17069 | c-d | =b | Stars very black |
| 7199 | 19531 | b] | =e | Good |
| 9971 | 18616 | [c | d-e | Good |

| Plate | J.D. | YY Ori Estimate | BE Ori Estimate | Remarks |
|----------|--------|-----------------|-------------------------|------------------|
| A 10828 | 20100 | c] | [e | <u>Good</u> |
| 10835 | 20104 | c] | c-d | <u>Good</u> |
| 10823 | 20093 | [c | d-e | <u>Good</u> |
| 11091 | 20570. | c] | c] | <u>Good</u> |
| 11157 | 20603 | =c | e] | <u>Good</u> |
| 11159 | 20604 | =c | =d | <u>Good</u> |
| X 15255 | 12724 | [c d | [d | <u>Good</u> |
| 5242 | 12722 | | [[[f (g. not on plate) | Fair |
| 5503 | 12803 | | n.s. e.s. | Fair |
| I 56 | 11292 | | [c a. (b not seen) | Poor |
| 57 | 11292 | =b | [b | Poor |
| 66 | 11294 | c] | | Trailed; poor |
| 135 | 11322 | b] | c] | <u>Trailed</u> |
| 647 | 11409 | [c b | [c | Fair |
| B 8891 | 12452 | [c | b] | <u>Blurred</u> |
| 1025D | 12715 | =b | e] | <u>Blurred</u> |
| 10748 | 12892 | =b | | Trailed + curved |
| 14677 | 13456 | | b-c | Poor |
| I 14413. | 13592 | [b | | Faint + blurred |
| 17446 | 13983 | a-b | =b | Quite good |
| B 20305 | 14181 | [c b | [c b | Fair |
| I 19335 | 14220 | [b | c] | Quite good |
| B 20667 | 14224 | =c | | Very Hack stars |
| I 24326 | 15015 | b] | | Quite good |
| 24349 | 15018 | =c | =b | Quite good |
| 24377 | 15023 | b] | [d | Quite good |
| B 26570 | 15337 | =d | c] | Quite good |
| 31232 | 16120 | [d | d] | Quite good |

YY Ori and BE Ori

| Plate | J. D. | YY Ori Estimate | BE Ori Estimate | Remarks |
|------------------------|-------|-----------------|-----------------|-------------------|
| B 32478 | 16335 | [b | c] | Quite good |
| I 31439 | 16519 | d] | b]] | Quite good |
| I 31447 | 16520 | d] | =b | Trailed |
| 31511 | 16544 | e] | c] | Quite good |
| B 35049 | 16760 | t-c | =b | Quite good |
| B 35283 | 16813 | [c | [c | Blurred |
| 35309 | 16815 | [b | a-t | Trailed |
| 35357 | 16822 | =d | =c | Blurred |
| I 40117 | 22641 | | =b | Fair |
| <i>plotted to here</i> | | | | |
| MF 11172 | 25202 | t] | =b | Trailed |
| 11165 | 25201 | c] | =c | Trailed |
| 11087 | 25159 | =c | [d | Good |
| 11083 | 25157 | c]] | [c | Trailed |
| RH 12 | 25263 | | t] | Quite good |
| MC 74 | 18626 | [d | d] | Trailed & blurred |
| 213 | 18707 | d] | c-d | Good |
| 844 | 19037 | n.s. f. s. | =b | Quite good |
| 892 | 19060 | =f | =b | Quite good |
| 903 | 19067 | t] | [d | Good |
| 1570 | 19426 | [d | [d | Good |
| 1574 | 19426 | [d | e] | Good |
| 1578 | 19427 | d]] | =d | Quite good |
| 1581 | 19427 | =c | =c | Good |
| 1584 | 19427 | [c | =c | Good |
| 7785 | 20541 | a-b | | Very black |
| 16495 | 22307 | =b | =c | Good |
| 16646 | 22364 | [b | d] | Good |

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YY Ori and BE Ori

| Plate | J.D. | YY Ori Estimate | BE Ori Estimate | Remarks |
|------------------------------|-------|-----------------------|-----------------------|------------|
| MC 16653 | 22366 | =b | [c | Good |
| 16654 | 22366 | b] | [c | Good |
| why fine tracks? 16661 | 22369 | =b | b]] | Quite good |
| 16662 | 22369 | b] | =c | Fair |
| 16663 | 22371 | c] | =d | Good |
| 16724 | 22407 | [b | =c | Quite good |
| 16733 | 22408 | [c | =d | Quite good |
| 16734 | 22408 | =c | =c | Quite good |
| 16735 | 22408 | =c | [c | Quite good |
| 16739 | 22418 | c] | [c | Quite good |
| 17010 | 22661 | d-e | | Good |
| 17036 | 22677 | c] | [c | Good |
| 17058 | 22693 | c-d | =e | Good |
| 17060 | 22693 | [c | [c | Good |
| 17068 | 22696 | c-d | [e | Good |
| 17074 | 22698 | [c | =d | Good |
| 17076 | 22698 | d]] | d-e | Good |
| 17088 | 22717 | =c | c-d | Good |
| 17089 | 22717 | =c | c-d | Good |
| 17123 | 22717 | =c | =d | Good |
| M.P.L. 17127 | 22718 | c] | [c | Good |
| 17130 | 22721 | c] | =c | Good |
| 17131 | 22722 | =b | [b | Good |
| 17138 | 22725 | c] | d] | Good |
| 17143 | 22729 | [b | d] | Good |
| | | <u>no. obs. = 105</u> | <u>no. obs. = 104</u> | |

| (7) | | (16) | | SS Ori and Sw Ori. Marked on chart δ_2 and A 1271. Sequence on A 1271. | |
|--------|-------|-------------|-------------|---|--|
| Plate | J.F. | SS Estimate | SW Estimate | Remarks | |
| A 61 | 12798 | = e | | Trailed & blurred | |
| 153 | 12837 | | g] | A little blurred | |
| 192 | 12854 | [g | = e | Quite good; blurred | |
| 1271 | 13221 | [c] | [d | Good | |
| 2154 | 13873 | n.s. h.s. | a]] | Good | |
| 3429 | 14641 | n.s. h.s. | = g | Good | |
| 7118 | 16827 | = e | c-d | Good | |
| (8191) | 17524 | h-k | = f | Good | |
| 7434 | 17069 | h-k | [f | Good | |
| 8199 | 17531 | [k | a-b | Good | |
| 10823 | 20093 | n.s. h.s. | a]] | Good | |
| 10828 | 20100 | n.s. h.s. | a]]] | Good | |
| 10835 | 20104 | = k (faint) | a]] | Good | |
| 11091 | 20570 | n.s. h.s. | = a | Good | |
| 11157 | 20603 | = k | a]]] | Good | |
| 11159 | 20604 | [k | a]] | Good | |
| MC 213 | 18707 | | = d | Quite good | |
| 844 | 19037 | | a]]] | Fair | |
| 892 | 19060 | | a]]] | Good | |
| 903 | 19067 | | a]] | Good | |
| 1570 | 19426 | n.s. g.s. | a] | Quite good | |
| 1574 | 19426 | [g | a]] | Quite good | |
| 1578 | 19427 | n.s. g.s. | a]] | Quite good | |
| 1581 | 19427 | n.s. g.s. | a]] | Quite good | |
| 1584 | 19427 | n.s. h.s. | a] | Good | |
| 7785 | 20541 | n.s. h.s. | a] | Quite good | |
| 16495 | 22307 | [k] | a]] | Good | |
| 16646 | 22364 | [h | a]] | | |

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SS and SW Ori

| Plate | J.D. | SS Ori Estimate | SW Ori Estimate | Remarks |
|----------|--------|-----------------|-----------------|------------------|
| nc 16653 | 22366 | n.s. h.s | a]]] | Quite good. |
| 16661 | 22369 | h] | a]]] | Good |
| 16663 | 22371 | =h | a]]] | Good |
| 16724 | 22407. | n.s. g.s. | a] | Quite good |
| 16725 | 22407 | | =a | Fair |
| 16726 | 22407 | | a] | Fair |
| 16733 | 22408 | n.s.g.s. | a] | Quite good |
| 16735 | 22408 | [g | a] | Quite good |
| 16739 | 22418 | | a] | Fair |
| 17010 | 22661 | h] | =a | Good |
| 17036 | 22677 | =h | =a | Good |
| 17058 | 22693 | n.s. h.s | a] | Good |
| 17060 | 22693 | n.s. h.s. | a] | Good |
| 17068 | 22696 | gy] | =a | Good |
| 17074 | 22698 | h] | [[a | Good |
| 17076 | 22699 | =h | a-t | Good |
| 17088 | 22717 | | a]] | Quite good |
| 17127 | 22718 | [[h | a] | Good |
| 17130 | 22721 | h] | =a | Good |
| 17131 | 22722 | =g | =a | Good |
| 17138 | 22725 | [h | a] | Good |
| 17143 | 22729 | n.s. h.s | a] | Good |
| I 71 | 11310 | | d] | Fair |
| B 8891 | 12452 | [[[e | n.s. [[[[e s | Blurred |
| 8895 | 12455 | | n.s. g.s. | Trailed |
| 10250 | 12715 | [[e | n.s. e.s | Blurred |
| 10748 | 12892 | f] | Eg | Blurred + curved |
| I 16303 | 13858 | | a]]] | Faint; trailed |
| 17446 | 13983 | n.s. g.s | a]]] | Quite good |

| Plate | J.D. | <u>SS Ori Estimate</u> | <u>SW Ori Estimate</u> | Remarks |
|---------|-------|------------------------|------------------------|---------------------|
| B 18621 | 13996 | | a] | a little Blurred |
| 20305 | 14181 | n.s.g.s. | e] | Quite good |
| 20667 | 14224 | [E k | =e | Black double images |
| 32478 | 16335 | =f | [g | Quite good |
| I 31439 | 16519 | [E g | [g | Quite good |
| 31447 | 16520 | n.s.e.s. | n.s.e.s. | Quite good |
| 31511 | 16544 | [d | =g | Quite good |
| B 35049 | 16760 | [E d | e] | Quite good |
| - 35283 | 16813 | | d] | Blurred |
| - 35309 | 16815 | [E g | d]] | Trailed |
| 35357 | 16822 | [E h | | Blurred; faint |
| I 40117 | 22641 | | a] | Poor |
| | | <u>no. obs. = 56</u> | <u>no. obs. = 68</u> | |

³⁵TT Ori and ⁶³AZ Ori marked on chart λ_2 and A 1270. Sequence on A 1270.

| Plate | J.D. | TT Ori Estimate | AZ Ori Estimate | Remarks |
|-------|-------|-----------------|-----------------|------------------|
| A 29 | 12788 | e] | d] | Faint + blurred |
| 44 | 12793 | n.s. e.s. | = e | Blurred |
| 61 | 12798 | [f | d-e | Trailed |
| 128 | 12825 | e] | [d | Trailed |
| 142 | 12830 | = e | d] | a little blurred |
| 144 | 12830 | [e | d] | Trailed |
| 153 | 12837 | [d | d] | Quite good |
| 187 | 12852 | n.s. d.s. | [d | Faint |
| 192 | 12854 | f] | = d | Trailed |
| 205 | 12860 | n.s. e.s. | [d | Fair |
| 216 | 12862 | f]] | [e | Quite good |
| 220 | 12865 | = d | [e | Quite good |
| 241 | 12876 | n.s. e.s. | [d | Fair |
| 1270 | 13219 | | [d | Very faint |
| 1271 | 13221 | [e | [d | Quite good |
| 2154 | 13873 | [h | d]] | Good |
| 2864 | 14227 | n.s. e.s. | d] | Quite good |
| 2865 | 14227 | [f | d] | Quite good |
| 2863 | 14227 | n.s. f.s. | d] | Quite good |
| 2199 | 13947 | g] | = c | Good |
| 3422 | 14632 | [f | d] | Quite good |
| 3429 | 14641 | f-g | d] | Good; Black |
| 3430 | 14641 | n.s. f.s. | d] | Quite good |
| 3431 | 14641 | [f | d] | Quite good |
| 7118 | 16827 | f-g | d]] | Good |
| 7109 | 16821 | n.s. e.s. | = d | Not good; edge |
| 6696 | 16594 | f] | = d | Not good; edge |
| 7434 | 17069 | f]] | c-d | Good |
| 8191 | 17524 | g]] | d] | |

TT and AZ Ori

17163, B14677, 14668, 14885, 15716, 16841, 17000
[14413, 16303]

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| Plate | J.D. | TT Ori Estimate | AZ Ori Estimate | Remarks |
|---------|-------|-----------------|-----------------|---------------------|
| A 8199 | 17531 | =g | d]] | Good |
| 9971 | 18616 | n.s. e. s. | d]] | Fair |
| 10823 | 20093 | f] | d] | Good |
| 10828 | 20100 | f]] | d] | Good |
| 10835 | 20104 | [e | d] | Good |
| 11091 | 20570 | f] | =d | Good |
| 11157 | 20603 | =f | f]] | Good |
| 11159 | 20604 | f] | f]] | Good |
| X 5255 | 12724 | d-e | [d | Good |
| 5242 | 12722 | f] | =e | Quite good |
| 5503 | 12803 | =f | =e | Trailed |
| I 56 | 11292 | n.s. d.s. | d]] | Poor - Faint |
| 66 | 11294 | n.s. e.s. | [c | Quite good; Trailed |
| 71 | 11310 | [e | [d | Fair |
| 73 | 11310 | [e | [d | Quite good |
| 135 | 11322 | n.s. f.s. | d] | Trailed; quite good |
| 566 | 11392 | n.s. e.s. | =d | Trailed |
| 5297 | 12097 | | Ed | Fair |
| 5370 | 12106 | | =e | Fair |
| B 8891 | 12452 | hidden by neb. | d]] | Blurred |
| 8895 | 12455 | | d] | Blurred |
| E 7933 | 12485 | | e]] | Blurred |
| 10250 | 12715 | | e]] | Trailed |
| 16675 | 12876 | | =c | Poor |
| B 10748 | 12892 | In nebula | e] | |
| I 1413 | 13592 | | =d | Faint |
| B 17163 | 13786 | [d | n.s. d.s. | Poor |
| E 16303 | 13858 | | d] | Poor |

| Plate | J.D. | TT Ori Estimate | AZ Ori Estimate | Remarks |
|-------------------|-------|-----------------|-----------------|------------------|
| B 18133 | 13894 | n.s.e.s. | = d | Fair |
| I 17446 | 13983 | [e | c-d | Quite good |
| B 18621 | 13996 | n.s.e.s. | d] | Fair |
| B 19101 | 14058 | n.s.e.s. | c] | Fair |
| 20305 | 14181 | d-e | = d | Good |
| I 19335 | 14220 | | = d | Quite good |
| B 20667 | 14224 | = d | = e | Very black |
| I 24326 | 15015 | = f | = e | Quite good |
| 24349 | 15018 | f] | d] | Quite good |
| 24377 | 15023 | n.s. [e.s. | d]] | Quite good |
| B 26570 | 15337 | n.s. e.s. | d] | Quite good |
| I 28271 | 15767 | | = d | Fair |
| B 31232 | 16120 | | = e | Blurred |
| 32478 | 16335 | | e] | Quite good |
| 32808- I 31439 | 16519 | n.s. f.s. | d] | Quite good |
| 31447 | 16520 | n.s. e.s. | [d | Slightly trailed |
| 31511 | 16544 | f]] | = d | Quite good |
| B 35049 | 16760 | = g | [d | Quite good |
| 35283 | 16813 | e] | e]] | Trailed |
| 35289 | 16813 | = e | e] | Faint |
| 35309 | 16813 | [e | [d | Quite good |
| 35357 | 16822 | = f | e] | Trailed |
| 37224 | 17167 | [d | = d | Blurred |
| I 40117 | 22641 | n.s. e.s. | [d | Quite good |
| MC 74 | 18626 | [f | d] | Trailed |
| 213 | 18707 | n.s. g.s. | d]] | Good |
| 492 | 19060 | n.s. f.s. | [[c | Good |
| 903 | 19067 | e-f | = d | Quite good |
| x 1570 | 19426 | [f | d] | Good |

TT Ori and AZ Ori

Mc 16646

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| Plate | J.D. | TT Ori Estimate | AZ Ori Estimate | Remarks |
|----------------------|-------|-----------------|-----------------|---------------|
| MC ^x 1574 | 19426 | = f | d] | Good |
| x 1578 | 19427 | [f | d] | Good |
| x 1581 | 19427 | [f | d]] | Good |
| x 1584 | 22307 | [f | [e | Good |
| 16495 | 22364 | f]] | [e | Good |
| 16646 | 22366 | = e | e-f | Good |
| 16653 | 22366 | = e | f]] | Good |
| 16654 | 22369 | = d | f]] | Good ck |
| 16663 | 22371 | d] | f] | Good |
| 16724 | 22407 | n.s. e.s. | [e | Quite good |
| 16733 | 22408 | [f | = e | Quite good ck |
| x 16739 | 22418 | n.s. e.s. | d] | Blurred |
| 16973 | 22611 | n.s. f.s. | [d | Quite good |
| 17036 | 22677 | [h | d] | Good |
| 17058 | 22693 | f-g | = d | Good ck |
| 17074 | 22698 | = f | d]] | Good ck |
| 17088 | 22717 | n.s. f.s. | d] | Quite good ck |
| 17123 | 22717 | = f | d] | Good |
| 17127 | 22718 | = g | = d | Good |
| 17130 | 22721 | = g | d] | Good |
| 17131 | 22722 | [g | d]] | Good |
| 17138 | 22725 | g] | e] | Good |
| 17143 | 22729 | f-g | d]] | Good |

No. obs. = 93

No. obs. = 110

21999 - dupd ?
22745724475 25837
24544 25916
25106 26324 26492UY Andromedae. Marked on I²⁶³²⁴ 10080. Sequence on I 40699.

| Plate | J. A. | Estimate | Remarks |
|--------|-------|-----------|---------------|
| I 2643 | 11731 | n.s. f.s. | Blurred |
| 2705 | 11736 | n.s. e.s. | Quite good |
| 4894 | 12067 | n.s. a.s. | Quite good |
| 7899 | 12481 | n.s. f.s. | Quite good |
| 10080 | 12794 | = d | Good |
| 15792 | 13779 | n.s. h.s. | Good |
| 19482 | 14235 | n.s. g.s. | Quite good |
| 25826 | 15282 | n.s. h.s. | Quite good |
| 27401 | 15657 | e] | Trailed |
| 29526 | 16061 | n.s. l.s. | Good |
| 29534 | 16064 | n.s. k.s. | Good; trailed |
| 29701 | 16107 | n.s. h.s. | Good; trailed |
| 29731 | 16111 | n.s. l.s. | Good |
| 29786 | 16116 | n.s. l.s. | Good |
| 29788 | 16116 | n.s. k.s. | Good |
| 29793 | 16116 | n.s. l.s. | Good |
| 29886 | 16137 | n.s. k.s. | Trailed |
| 30020 | 16165 | n.s. k.s. | Good |
| 30103 | 16171 | n.s. l.s. | Good |
| 30105 | 16171 | n.s. k.s. | Good |
| 30757 | 16348 | n.s. l.s. | Good |
| 33377 | 17114 | n.s. l.s. | Good |
| 40699 | 23004 | n.s. l.s. | Good |

| X Outline Marked on B 9221 with sequence. | | | | |
|---|----------------|-------|-----------|-------------------------|
| Plate | Date | J. D. | Estimate | Remarks |
| B 5293 | May 28, 1890 | 11416 | C-d | Slightly trailed; Sharp |
| 5322 | May 29, 1890 | 11417 | [C | Blurred |
| 7462 | April 23, 92 | 12214 | =c | Bad-Blurred & trailed |
| 7502 | | 12216 | [C | Images not round |
| 9221 | April 29, 1893 | 12583 | k-l | Good |
| 9222 | April 29, 1893 | 12583 | n.s. k.s. | Good; Blurred |
| 10927 | April 17, 1894 | 12936 | =l | Good |
| 13195 | May 9, 1895 | 13323 | b] | Good |
| 13613 | | 13350 | e] | Quite good |
| 15267 | Dec. 23, 1895 | 13551 | n.s. k.s. | Quite good |
| 15796 | May 12, 1896 | 13692 | n.s. g.s. | Fair; Blurred |
| 18088 | Nov. 27, 1896 | 13891 | n.s. l.s. | Quite good |
| 18145 | Nov. 30, 1896 | 13894 | n.s. h.s. | Quite good |
| 18423 | Jan 28, 1897 | 13953 | [a | Good |
| 18858 | | 14036 | n.s. k.s. | Quite good |
| 21213 | April 13, 1898 | 14393 | n.s. k.s. | Good |
| 21543 | May 31, 1898 | 14441 | b] | Quite good |
| 22490 | April 6, 1899 | 14751 | =e | Quite good |
| 22639 | April 28, 1899 | 14773 | [d | Quite good |
| 22839 | May 16, 1899 | 14791 | [[d | Good |
| 24702 | Feb 2, 1900 | 15072 | [e | Blurred |
| 25023 | April 9, 1900 | 15119 | b] | Quite good |
| 25056 | | 15120 | C-d | Good |
| 26682 | Nov. 19, 1900 | 15343 | n.s. p.s. | Fair |
| 26787 | Dec. 11, 1900 | 15365 | n.s. p.s. | Quite good |
| 26979 | March 15, 1901 | 15459 | e-f | Good; Trailed |
| 27016 | March 29, 1901 | 15463 | g] | Blurred |
| 27072 | | 15481 | k] | Good |
| 27217 | April 18, 1901 | 15493 | n.s. k.s. | Fair |

X Anthiae cont.

| Plate | Date | J.D. | Estimate | Remarks |
|---------|----------------|-------|-----------|----------------|
| B 28882 | Nov. 30, 1901 | 15719 | [e | Quite good |
| 28930 | Dec. 6, 1901 | 15725 | = d | Poor |
| 29147 | March 1, 1902 | 15810 | n.s. l.s. | Poor |
| 29326 | April 12, 1902 | 15852 | n.s. f.s. | Blurred; Fair |
| 29428 | April 26, 1902 | 15866 | n.s. f.s. | Blurred; Fair |
| 29646 | May 14, 1902 | 15884 | d] | Quite good |
| 30051 | June 14, 1902 | 15915 | = a | Quite good |
| 31494 | April 18, 1903 | 16223 | b]] | Quite good |
| 32970 | Dec. 24, 1903 | 16473 | n.s. g.s. | Traced |
| 33092 | | 16524 | b] | Good |
| 33308 | April 12, 1904 | 16583 | = d | Quite good |
| 33557 | May 3, 1904 | 16604 | h]] | Quite good |
| 35359 | Dec. 7, 1904 | 16822 | n.s. g.s. | Traced |
| 35384 | Dec. 9, 1904 | 16824 | n.s. k.s. | Quite good |
| 35567 | Feb. 28, 1905 | 16905 | [b | Quite good |
| 36006 | May 12, 1905 | 16978 | = l | Quite good |
| 38499 | March 26, 1908 | 18027 | [f | Poor & blurred |
| 38561 | April 5, 1908 | 18037 | g]] | Blurred |
| 38590 | April 8, 1908 | 18040 | g-h | Traced |
| 38661 | April 10, 1908 | 18042 | h]] | Blurred |
| 38876 | May 8, 1908 | 18070 | [e l | Quite good |
| 39875 | Feb. 1, 1909 | 18339 | [d | Quite good |
| 41268 | May 16, 1910 | 18808 | b]] | Good |
| 43127 | May 25, 1912 | 19548 | n.s. l.s. | Good |
| AX 481 | Apr. 26, 1924 | 23902 | n.s. h.s. | Traced |
| 609 | June 23, 1924 | 23963 | e] | Blurred |
| 962 | Jan. 13, 1925 | 24164 | [b | Poor |
| 982 | Feb. 15, 1925 | 24197 | = f | Blurred |
| 1014 | April 15, 1925 | 24256 | n.s. k.s. | Quite good |

X Anthrac cont.

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| Plate | Date | J. D. | Estimate | Remarks |
|---------|----------------|-------|-----------|-------------------|
| AK 1021 | April 20, 1925 | 24261 | n.s. k.s. | Blurred & trailed |
| 1036 | May 10, 1925 | 24281 | =f | Trailed |
| 1058 | May 18, 1925 | 24289 | d] | Blurred |
| 1130 | June 9, 1925 | 24311 | b] | Slightly blurred |
| 1445 | Dec 21, 1925 | 24506 | [d | Quite good |
| 1531 | Feb 6, 1926 | 24553 | n.s. k.s. | Quite good |
| 1560 | April 12, 1926 | 24618 | b]] | Blurred & k |
| 1589 | May 3, 1926 | 24639 | b]] | Trailed |
| 1594 | May 4, 1926 | 24640 | t]] | Quite good |
| 1665 | June 1, 1926 | 24668 | d-e | Trailed |
| 1684 | June 7, 1926 | 24674 | e] | Blurred |
| 1732 | July 3, 1926 | 24700 | n.s. k.s. | Quite good |
| AM 297 | | 14979 | =e | Quite good |
| 380 | | 15082 | e] | Good |
| 458 | | 15148 | =f | Good |
| 743 | | 15474 | [g | Good |
| 1144 | | 15767 | c-d | Quite good |
| 1282 | | 15898 | b]] | Good |
| 1294 | | 15901 | =a | Good |
| 1715 | | 16079 | d]] | Quite good |
| 1788 | | 16118 | g]] | Quite good |
| 1898 | | 16239 | b]] | Good |
| 1922 | | 16242 | =b | Good |
| 1945 | | 16251 | [c | Good |
| 2388 | | 16438 | =g | Quite good |
| 2477 | | 16549 | [ca | Good |
| 2521 | | 16582 | [d | Quite good |
| 2564 | | 16592 | e-f | Good |
| 2722 | | 16639 | n.s. g.s. | Quite good |

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Xanthiae cont.

| Plate | Date | J.D. | Estimate | Remarks |
|-----------|------|-------|-----------|------------------|
| 4M 3223 | 76 | 16796 | n.s. g.s. | Quite good |
| 3299 | | 16854 | =e | Good |
| 3476 | | 16960 | n.s. g.s. | Trailed |
| 3510 | | 16976 | n.s. k.s. | Good |
| — 3532 | | 16979 | k] | Good |
| 4030 | | 17195 | k] | Good |
| 4106 | | 17256 | f-g | Good |
| 4158 | | 17299 | n.s. h.s. | Good |
| — 4200 | | 17335 | e] | Quite good ✓ |
| — 4240 | | 17347 | n.s. g.s. | Quite good ✓ |
| 4677 | | 17524 | =b | Good |
| 4766 | | 17683 | =h | Fair |
| 4805 | | 17704 | =d | Quite good |
| 4819 | | 17706 | =d | Trailed |
| 5374 | | 18040 | g] | Quite good |
| — 5934 | | 18307 | =g | Fair ✓ |
| 6699 | | 18436 | n.s. g.s. | Plate broken |
| 6148 | | 18447 | [f | Quite good |
| 6153 | | 18450 | e-f | Good |
| 6167 | | 18453 | d-e | Good |
| JJ — 6904 | | 18794 | =d | Fair |
| — 6923 | | 18817 | C] | Fair |
| — 6959 | | 18823 | C] | Slightly trailed |
| — 6965 | | 18824 | C] | Faint |
| 7393 | | 19147 | =c | Quite good |
| 7406 | | 19158 | [d | Faint |
| 8016 | | 19450 | [a | Fair |
| 8252 | | 19548 | n.s. g.s. | Blurred |
| 8313 | | 19563 | n.s. h.s. | Good |
| 8340 | | 19566 | n.s. g.s. | Quite good |

X Aurthae cont.

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| Plate | Date | J.D. | Estimate | Remarks |
|---------|------|-------|-----------|-----------------|
| AM 8812 | | 19864 | n.s.g.s. | Quite good |
| 8826 | | 19881 | n.s.h.s. | Quite good ch |
| 8910 | | 19903 | Sus. = g. | Blurred |
| 9015 | | 19925 | [b | Good |
| 9697 | | 20227 | [f | Quite good |
| 9704 | | 20237 | d] | Trailed |
| 9740 | | 20250 | [a | Quite good |
| 9768 | | 20267 | = b | Quite good |
| 9779 | | 20276 | [b | Quite good |
| 9787 | | 20279 | = c | Quite good |
| 9797 | | 20282 | = c | Quite good |
| 9890 | | 20307 | [f | Good |
| 10407 | | 20603 | [[d | Blurred |
| 10466 | | 20610 | e] | Blurred |
| 10552 | | 20624 | e] | Good |
| 12101 | | 21046 | f] | Faint |
| 12133 | | 21049 | e] | Faint |
| 12895 | | 21212 | n.s.k.s. | Good |
| 12903 | | 21214 | n.s.k.s. | Good |
| 12910 | | 21215 | n.s.k.s. | Good |
| 12957 | | 21329 | n.s.g.s. | Blurred |
| 13058 | | 21347 | n.s.g.s. | Blurred |
| 13314 | | 21400 | [c | Badly blurred |
| 13386 | | 21421 | d]] | Faint |
| 13779 | | 21661 | n.s.g.s. | Quite good |
| 13930 | | 21715 | [c | Good |
| 14079 | | 21766 | [[d | Faint & blurred |
| 14123 | | 21776 | [f | Good |
| 14133 | | 21782 | [[f | Quite good |
| 14156 | | 21789 | n.s.g.s. | Faint |

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*Antliae cont.

| Plate | Date | J. D. | Estimate | Remarks |
|----------|------|-------|------------|------------|
| AM 14592 | | 22048 | [a | Quite good |
| 14602 | | 22053 | [a | Trailed |
| 14605 | | 22054 | [b | Blurred |
| 14666 | | 22080 | =d | Quite good |
| 14819 | | 22141 | n.s. h.s. | Good |
| 15094 | | 22425 | q] | Quite good |
| 15178 | | 22458 | n.s. g. s. | Good |

no. obs. = 155

| Bk Scorpii | Marked on B23161 with arbitrary sequence | | | |
|------------|--|-------|-----------------|---------------------|
| Plate | Date | f.d. | Estimate | Remarks |
| B 3525 | June 13, 1889 | 11167 | g] o.k. | Faint + blurred |
| 3526 | | 11167 | n.s. g.s. | Better than B3525 |
| 3727 | ? | 11189 | n.s. h.s. | Good; blurred |
| 3832 | | 11201 | n.s. m.s. | Good; blurred |
| 5253 | | 11510 | e] | Good |
| 6051 | | 11879 | [d ₂ | Blurred; quite good |
| 6052 | | 11879 | =d ₂ | Quite good |
| 10025 | | 12674 | e] | Blurred |
| 10214 | | 12702 | [e | Quite good |
| 11246 | | 12961 | n.s. h.s. | Good (quite) |
| 13306 | | 13325 | h]] | Slightly blurred |
| 13340 | | 13327 | g-h | Quite good |
| 13976 | | 13383 | n.s. h.s. | Blurred |
| 15645 | | 13673 | e]] | Blurred |
| 15690 | | 13684 | e]] | Blurred + faint |
| 15698 | | 13684 | e]] | Quite good |
| 15931 | | 13689 | e] | Quite good |
| 15918 | | 13698 | [e | Faint + blurred |
| 15935 | | 13702 | f]] | Quite good |
| 15980 | | 13709 | =f | Blurred ck. |
| 16068 | | 13713 | [f | Quite good |
| 16145 | | 13716 | f-g | Blurred |
| 16258 | | 13722 | g]] | Good |
| 16346 | | 13726 | [g | Faint |
| 16493 | | 13738 | =h | Blurred |
| 16974 | | 13759 | n.s. g.s. | Fair |
| 16976 | | 13759 | n.s. h.s. | Quite good |
| 17118 | | 13785 | n.s. f.s. | Film streaked |
| 17139 | | 13786 | n.s. g.s. | Blurred ck |

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Bk Scorpion cont.

| Plate | Date | f.D. | Estimate | Remarks |
|---------|---------------|-------|---------------------|-----------------|
| B 17204 | | 13789 | n.s.m.s. | Good |
| 17501 | | 13833 | g] | Faint |
| 18355 | | 13946 | n.s.f.s. | Blurred |
| 18357 | | 13946 | =m | Good |
| 18534 | Feb. 4 '97 | 13960 | n.s.g.s. | Quite good |
| 18707 | Mar. 29 '97 | 14013 | h] | Faint |
| 18766 | April 7 '97 | 14022 | g] | Blurred + faint |
| 18840 | April 20 '97 | 14035 | =f | Blurred |
| 18842 | April 20 '97 | 14035 | f] | Good |
| 19054 | May 10, '97 | 14055 | [d ₂ | Quite good |
| 19145 | | 14066 | f]] | Near edge |
| 19270 | | 14074 | d ₂]] | Quite good |
| 19288 | | 14076 | d, - d ₂ | Good |
| 19435 | June 8, '97 | 14084 | d ₂] | Quite good |
| 19476 | June 9 '97 | 14085 | d ₂] | Quite good |
| 19681 | July 1, '97 | 14107 | f] | Good |
| 19714 | July 2, '97 | 14108 | f] | Faint |
| 19770 | July 6, '97 | 14112 | =f | Fair |
| 20005 | Aug. 10, '97 | 14147 | n.s. h.s. | Blurred ok |
| 20256 | Sept. 3, '97 | 14171 | n.s. m.s. | Good |
| 20318 | Sept. 14, '97 | 14182 | n.s. h.s. | Quite good |
| 21244 | April 18 '98 | 14398 | n.s. g.s. | Quite good |
| 21892 | Aug. 26 '98 | 14528 | h] | Good |
| 22520 | April 7 '99 | 14752 | n.s. g.s. | Quite good |
| 23161 | | 14832 | e] | Good |
| 23274 | July 5 '99 | 14841 | [d ₁ | Good |
| I 23158 | July 15 '99 | 14851 | e] | Good |
| B 23653 | July 26 '99 | 14862 | d ₂] | Quite good |
| I 24505 | Jan. 29 '00 | 15049 | e] | Good |
| I 24753 | Mar. 10 '00 | 15089 | [e | Good |

Bk Scorpii cont.

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| Plate | Date | J. D. | Estimate | Remarks |
|---------|--------------|-------|---------------------------------|---------------|
| I 24754 | Mar. 10 '00 | 15059 | [E | Quite good |
| B 24982 | April 6 '00 | 15116 | [g | Faint |
| I 25217 | April 24 '00 | 15134 | n.s. h.s. | Quite good |
| B 25301 | May 17 '00 | 15157 | n.s. h.s. | Fair |
| 25504 | | 15171 | [E m | Good |
| 25869 | Sept 1 '00 | 15264 | d ₁ - d ₂ | Fair |
| 28158 | Aug. 7 '01 | 15604 | = k | Quite good |
| 28456 | | 15633 | = e | Quite good |
| 29378 | April 14 '02 | 15854 | [E d ₁ | Quite good |
| 29447 | April 26 '02 | 15866 | e]] | Quite good |
| 29849 | May 27 '02 | 15897 | = g | Quite good |
| 30068 | June 14 '02 | 15915 | n.s. g. s. | Fair |
| 31459 | April 17 '03 | 16222 | g] | Quite good |
| 32062 | June 29 '03 | 16295 | g] | Quite good |
| 32092 | July 1 '03 | 16297 | [E g | Quite good |
| 32316 | | 16320 | = m | Good; trailed |
| 32332 | | 16323 | [m | Good; trailed |
| 32339 | | 16324 | [m | Blurred |
| 33480 | April 23 '04 | 16594 | sus. [h | Faint |
| 33572 | May 3 '04 | 16604 | h] | Blurred |
| 33649 | May 5 '04 | 16606 | = g | Fair |
| 33697 | May 7 '04 | 16608 | = g | Fair |
| 33801 | May 23 '04 | 16624 | g]] | Quite good |
| 34139 | June 20 '04 | 16652 | [e | Good |
| 35911 | April 24 '05 | 16960 | n.s. m.s. | Good |
| 36045 | May 13 '05 | 16979 | m] | Good |
| 36394 | July 11 '05 | 17038 | [E d ₂ | Quite good |
| 36395 | July 11 '05 | 17038 | d ₂ - e | Quite good |
| 37668 | June 28 '07 | 17755 | [E m | Good |
| 38786 | April 26 '08 | 18058 | f] | Fair |

Bk Scorpiu cont

| Plate | Date | J. B. | Estimate | Remarks |
|---------|--------------|-------|------------------|------------|
| B 39070 | June 4, '08 | 18097 | n.s.g.s. | Fair |
| 40231 | May 9 '09 | 18436 | [d ₂ | Good |
| 41318 | May 26 '10 | 18818 | d ₂] | Quite good |
| 41480 | June 25 '10 | 18858 | f] | Good |
| 41621 | | 18867 | n.s.g.s. | Fair |
| 42215 | April 17 '11 | 19144 | n.s.g.s. | Fair |
| 42229 | April 20 '11 | 19147 | n.s.k.s. | Good |
| 43133 | May 25 '12 | 19548 | [g | Good |
| 43158 | June 3 '12 | 19557 | [E f | Good |
| 44209 | Sept 12 '13 | 20023 | [E e | Good |
| 44741 | July 11 '14 | 20325 | =k | Good |
| 44845 | July 23 '14 | 20337 | [g | Good |
| 44911 | Aug. 3 '14 | 20348 | g] | Good |
| 46584 | May 7 '16 | 20991 | =e | Quite good |
| 46623 | May 10 '16 | 20994 | e] | Quite good |
| 46761 | May 21 '16 | 21005 | =e | Faint |
| 46764 | May 21 '16 | 21005 | [e | Faint |
| 46890 | May 27 '16 | 21011 | [e | Quite good |
| 47036 | June 2 '16 | 21017 | f] | Quite good |
| 47130 | June 7 '16 | 21022 | [f | Quite good |
| 47530 | June 20 '16 | 21045 | =h | Faint |
| 49700 | Mar 28 '17 | 21216 | n.s.g.s. | Quite good |
| 49730 | Mar 30 '17 | 21218 | n.s.h.s. | Quite good |
| 49899 | April 12 '17 | 21331 | [h | Faint |
| 49950 | April 13 '17 | 21332 | =h | Faint |
| 49994 | April 14 '17 | 21333 | h] | Faint |
| 49995 | April 14 '17 | 21333 | =h | Faint |

| Plate | Date | J.D. | Estimate | Remarks |
|---------|---------------|-------|--------------------|------------|
| AM 6898 | | 18791 | =e | Faint |
| 6943 | | 18820 | [d ₂ | Faint |
| 8388 | | 19588 | =d ₂ | Quite good |
| 8483 | July 19, 1912 | 19603 | [d ₂ | Blurred |
| 8512 | July 30, 1912 | 19614 | d ₂ - e | Quite good |
| 8933 | May 23, 1913 | 19911 | n.s. f. s. | Faint |
| 9429 | | 20018 | e] | Very faint |
| 10471 | | 20610 | =e | Quite good |
| 10555 | May 6, 1915 | 20624 | [e | Faint |
| 10638 | | 20655 | n.s. h.s. | Quite good |
| 10936 | | 20712 | n.s. h.s. | Quite good |
| 11671 | | 20990 | e] | Faint |
| 11709 | | 20995 | e]] | Quite good |
| 11769 | | 21005 | e] | Quite good |
| 11814 | | 21010 | =e | Faint |
| 11943 | | 21025 | [f | Good |
| 11953 | | 21026 | [g | Good |
| 12085 | | 21044 | n.s. f. s. | Good |
| 13006 | | 21333 | h] | Good |
| 13122 | May 13, 1917 | 21362 | [e | Quite good |
| 13138 | May 15, 1917 | 21364 | [e | Quite good |
| 13177 | May 21, 1917 | 21370 | d ₂ - e | Quite good |
| 13183 | May 22, 1917 | 21371 | e]] | Streaked |
| 13268 | | 21393 | =e | Good |
| 13283 | | 21395 | =e | Faint |
| 14044 | | 21752 | [e | Quite good |
| 14082 | | 21760 | e]] | Good |
| 14146 | July 12, 1918 | 21787 | [e | Fair |
| 14165 | | 21790 | =e | Good |
| 14147 | | 21787 | e] | Good |
| 14152 | | 21789 | =e | Quite good |

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Bk Scorpii cont.

| Plate | Date | J. D. | Estimate | Remarks |
|----------|---------------|-------|------------------|---------------------|
| AM 14812 | July 22, 1919 | 22138 | = f | Faint |
| 14858 | | 22162 | [e | Quite good |
| 14923 | | 22187 | e]] | Good |
| 15176 | May 12, 1920 | 22457 | n.s. f.s. | Quite good |
| 15716 | | 23172 | f] | Faint; trailed |
| 15736 | | 23177 | [e | Quite good |
| 15758 | | 23180 | [e | Faint |
| 15806 | | 23198 | = g | Not clear |
| 15817 | | 23204 | n.s. g.s. | Good |
| 15919 | | 23237 | n.s. g.s. | Good |
| 15992 | | 23266 | n.s. f.s. | Good |
| 16227 | | 23535 | [f | Quite good; trailed |
| 16280 | | 23573 | e] | Good |
| 16331 | | 23615 | [[f | Good |
| 16350 | | 23639 | n.s. k.s. | Good |
| 16385 | | 23664 | n.s. g.s. | Good |
| AM 9 | | 14861 | = d ₂ | Trailed; clear |
| 136 | | 14904 | f] | Trailed |
| 394 | | 15108 | n.s. f.s. | Quite good |
| 453 | | 15147 | n.s. [f.s. | Quite good |
| 613 | | 15264 | d ₂] | Cloudy |
| 643 | | 15274 | = d ₂ | Good |
| 784 | | 15518 | n.s. e.s. | Fair |
| 799 | | 15527 | n.s. e.s. | Quite good |
| 807 | | 15532 | n.s. f.s. | Good |
| 904 | | 15572 | n.s. e.s. | Quite good |
| 1234 | | 15872 | = e | Quite good |
| 1242 | | 15879 | f] | Quite good |
| 1482 | | 15956 | n.s. g.s. | Good |

| Plate | Date | J.D. | Estimate | Remarks |
|---------|------------|-------|------------------|---------------|
| AM 1534 | | 16008 | rus. = f | Fair |
| 1909 | | 16240 | [e | Good |
| 1925 | | 16242 | e] (slightly) | Good |
| 1950 | | 16253 | e] | Good |
| 1972 | | 16264 | e] | Good |
| 2091 | | 16298 | =h | Quite good |
| 2159 | | 16323 | n.s.f.s. | Quite good |
| 2278 | | 16376 | n.s.g.s. | Good |
| 2556 | | 16589 | n.s.g.s. | Good |
| 2677 | | 16625 | [f | Good |
| 2719 | | 16638 | [[e | Good |
| 2744 | | 16644 | e] | Good |
| 2803 | | 16664 | e - f | Trailed |
| 2884 | | 16691 | h] | Quite good |
| 3390 | | 16922 | n.s.g.s. | Good |
| 3500 | | 16972 | n.s.h.s. | Quite good |
| 3550 | | 16988 | [g | Quite good |
| 3596 | | 17004 | g] | Faint |
| 3623 | | 17009 | [[f | Quite good |
| 3668 | | 17021 | e] | Plate specked |
| 3686 | | 17032 | e]] | Good |
| 3809 | | 17077 | [[e | Good |
| 3863 | | 17097 | n.s.f.s. | Quite good |
| 4079 | | 17241 | [[d ₂ | Good |
| 4189 | | 17329 | n.s.g.s. | Good |
| 4202 | May 4, '06 | 17335 | n.s.h.s. | Good |
| 4294 | | 17374 | n.s.g.s. | Quite good |
| 4378 | | 17402 | n.s.f.s. | Quite good |
| 4392 | | 17404 | n.s.g.s. | Good |
| 4534 | | 17448 | e]] | Quite good |

Bk Scorpii cont.

| Plate | Date | J.D. | Estimate | Remarks |
|---------|-----------|-------|------------------|------------|
| AM 4561 | | 17465 | f]] | Quite good |
| 4818 | | 17705 | n.s. g.s. | Quite good |
| 4860 | | 17719 | n.s. g.s. | Quite good |
| 5000 | | 17772 | n.s. h.s. | Good |
| 5095 | | 17814 | = d ₂ | Good |
| 5330 | | 18026 | [d ₂ | Quite good |
| 5377 | | 18040 | e] | Quite good |
| 5436 | | 18068 | g]] | Faint |
| 5474 | | 18081 | n.s. g.s. | Quite good |
| 5694 | | 18150 | n.s. h.s. | Very good |
| 6070 | | 18422 | e]] | Good |
| 6095 | May 8 '09 | 18435 | e] | Quite good |
| 6111 | | 18438 | e] | Good |
| 6182 | | 18456 | [e | Faint |
| 6334 | | 18498 | n.s. g.s. | Good |
| 6388 | | 18509 | n.s. g.s. | Quite good |
| 6935 | | 18819 | = d ₂ | Quite good |
| 6957 | | 18822 | = d ₂ | Quite good |
| 7462 | | 19305 | e]] | Quite good |
| 7542 | | 19232 | = e | Fair |
| 7562 | | 19235 | = e | Fair |
| 7628 | | 19250 | e] | Faint |
| 7825 | | 19304 | [e defect? | Faint |
| 8395 | | 19589 | d ₂] | Good |
| 8468 | | 19601 | [d ₂ | Fair |
| 8517 | | 19616 | e]] | Quite good |
| 8935 | | 19911 | n.s. g.s. | Quite good |
| 9295 | | 19982 | [e | Quite good |
| 9351 | | 19998 | e] | Faint |
| 9440 | | 20020 | e] | Quite good |
| 9454 | | 20027 | [e | Faint |

Bk Scorpii cont.

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| Plate | Date | J.D. | Estimate | Remarks |
|---------|------|-------|-----------------------|---------------|
| AM 9819 | | 20287 | n.s.f.s. | Quite good |
| 9856 | | 20296 | n.s.g.s. | Quite good |
| 9893 | | 20307 | n.s.f.s. | Trailed |
| 10091 | | 20370 | [e | Faint |
| 10106 | | 20386 | =e | Quite good |
| 10137 | | 20393 | e] | Quite good |
| 10183 | | 20415 | [e | Faint |
| 10557 | | 20624 | [f | Quite good |
| 10901 | | 20708 | n.s.h.s. | Faint |
| 11679 | | 20991 | =e | Quite good |
| 11685 | | 20992 | e] | Quite good |
| 11698 | | 20994 | e] | Quite good |
| 11826 | | 21011 | [e | Faint |
| 12116 | | 21047 | n.s.f.s. | Quite good |
| 12920 | | 21316 | n.s.g.s. | Good |
| 13113 | | 21361 | =e | Good |
| 13132 | | 21363 | =e | Good |
| 13147 | | 21365 | e] | Faint faint |
| 13421 | | 21425 | n.s.f.s. | Faint |
| 13941 | | 21716 | n.s.g.s. | Streaked film |
| 14132 | | 21777 | [d ₂ | Good |
| 14139 | | 21783 | [e | Faint |
| 14823 | | 22142 | [f | Good |
| 14875 | | 22171 | [d ₂ | Good |
| 15488 | | 22581 | f] ^{direct?} | Faint |

No. obs. = 261

| Sagittarii (Dunes) Marked on A 12458. (No. 10) Sequence on B 19085 | | | | | |
|--|---------------|-------|-------------|------------|---|
| Plate | Date | J.D. | Estimate | Remarks | B |
| B 3532 | | | | | |
| 3842 | | | | | |
| 3896 | | | | | |
| 5255 | | | | | |
| 9855 | July 21, 1893 | 12666 | u.s.g.s. | Fair | |
| 9882 | July 22, 1893 | 12667 | n.s. [g.s.] | Fair | |
| 11634 | | | | | |
| 13535 | | | | | |
| 13581 | | | | | |
| 14039 | | | | | |
| 15741 | | | | | |
| 16099 | | | | | |
| 16156 | June 5, 1896 | 13716 | = c | Quite good | |
| 16415 | June 17, 1896 | 13728 | = e | Trailed | |
| 16496 | | | | | |
| 16499 | June 27, 1896 | 13738 | f] | Quite good | |
| 16518 | | | | | |
| 16576 | July 1, 1896 | 13742 | u.s.g.s. | Fair | |
| 16580 | July 1, 1896 | 13742 | f] | Quite good | |
| 16883 | July 17, 1896 | 13758 | u.s.g.s. | Quite good | |
| 17093 | | | | | |
| 17709 | | | | | |
| 17714 | | | | | |
| 18595 | March 6, 1897 | 13990 | n.s.f.s. | Fair | |
| 18727 | April 2, 1897 | 14017 | n.s.g.s. | Quite good | |
| 18924 | | | | | |
| 19085 | May 12, 1897 | 14057 | E f | Good | |
| 1944 & | | | | | |
| 19689 | | | | | |

| Plate | Date | J.D. | Estimate | Remarks |
|-------------------|----------------|-------|---------------|------------------|
| B 20120 | Aug. 19, 1897 | 14156 | u.s. [c] s. | Fair |
| 20322 | Sept. 14, 1897 | 14182 | n.s. k.s. | Good |
| 21919 | | | | |
| 22035 | | | | |
| 22478 | | | | |
| 23075 | June 17, 1899 | 14823 | u.s. h.s. | Quite good |
| 23077 | June 17, 1899 | 14823 | [h | Blurred |
| 23696 | July 27, 1899 | 14863 | e-f | Quite good |
| 23745 | July 31, 1899 | 14867 | e] | Trailed badly |
| 23750 | Aug. 1, 1899 | 14868 | e] | Trailed badly |
| 23770 | Aug. 4, 1899 | 14871 | [c | Images not round |
| 23776 | | | - | |
| 23781 | Aug. 7, 1899 | 14874 | =b | Black |
| 23787 | | | | |
| 24921 | | | | |
| Broken slide 3320 | | | | |
| 25344 | May 18, 1900 | 15138 | | |
| 25387 | May 22, 1900 | 15142 | n.s. h.s. | Quite good |
| 25521 | June 2, 1900 | 15178 | u.s. k.s. | Blurred |
| 25880 | Sept. 1, 1900 | 15264 | e] | Poor |
| 26141 | | | | |
| 27438 | | | | |
| 29605 | | | | |
| 29857 | | | | |
| 30513 | Aug. 4, 1902 | 15964 | u.s. [c] k.s. | Blurred |
| 30644 | | | | |
| 31405 | April 3, 1903 | 16208 | t-c | Badly trailed |
| 32016 | June 19, 1903 | 16285 | [c] h | Blurred |
| 32032 | June 22, 1903 | 16288 | [c] h | Quite good |
| 32051 | | | | |
| 32473 | | | | |

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- *Sagittarii* cont.

| Plate | Date | f. D. | Estimate | Remarks |
|------------------|----------------|-------|----------|---------------|
| B 32633 | | | | |
| 33857 | | | | |
| 34053 | | | | |
| 37313 | | | | |
| 37696 | June 29, 1907 | 17756 | h] | Quite good |
| 38823 | | | | |
| 40488 | June 26, 1909 | 18484 | n.s.g.s. | Quite good |
| 41653 | July 15, 1910 | 18868 | n.s.g.s. | Faint |
| 42312 | | | | |
| 44677 | | | | |
| 44678 | June 29, 1914 | 20313 | = a | Black |
| 45394 | Aug. 1, 1915 | 20711 | b] | Quite good |
| 45722 | Sept. 14, 1915 | 20755 | n.s.f.s. | Faint |
| A. 2661 | Aug. 23, 1897 | 14160 | EE k | Quite good |
| 2714 | | | | |
| 2673 | Aug. 26, 1897 | 14163 | l] | Quite good |
| 2714 | Sept. 13, 1897 | 14181 | n.s.g.s. | Faint |
| 2810 | Oct. 6, 1897 | 14204 | n.s.h.s. | Faint |
| 6050 | Aug. 4, 1902 | 15966 | EE l | Good; Blurred |
| 12222 | | | | |
| 12225 | | | | |
| 12228 | | | | |
| 12380 | | | | |
| 12418 | June 6, 1923 | 23577 | E g | Quite good |
| 12458 | | | = c | Quite good |
| 12490 | July 4, 1923 | 23605 | = b | Quite good |

- Sagittarii cont.

| Plate | Date | J. D. | Estimate | Remarks |
|---------|----------------|-------|------------|------------------|
| MF 2698 | Sept 29, 1918 | 21866 | a] | Quite good |
| 2710 | Sept 30, 1918 | 21867 | a] | Quite good |
| 2782 | Oct 3, 1918 | 21870 | = a | Quite good |
| 3522 | May 3, 1919 | 22082 | d] | Quite good |
| 4465 | Aug 19, 1919 | 22190 | n.s. f.s. | Slightly blurred |
| 4582 | Aug. 25, 1919 | 22196 | n.s. g.s. | Quite good |
| 6250 | July 10, 1920 | 22516 | n.s. E.g.s | Filum streaked |
| 6286 | | | | |
| 6737 | | | | |
| 7022 | Sept. 9, 1920 | 22577 | sur. E.g. | Blurred |
| 7589 | June 9, 1921 | 22850 | = d | Quite good |
| 7752 | Aug. 31, 1921 | 22933 | n.s. e. s. | Fair |
| 7754 | Aug. 31, 1921 | 22933 | n.s. f.s. | Quite good |
| 8505 | April 30, 1924 | 23906 | n.s. k.s. | Slightly trailed |
| 8647 | | | | |
| 8679 | | | | |
| 8762 | Aug. 22, 1924 | 24020 | EC | Good |
| 8779 | | | | |
| 8806 | | | | |
| 9041 | April 28, 1925 | 24269 | l] | Blurred |
| 9053 | May 2, 1925 | 24273 | = l | Good; blurred |
| 9122 | May 16, 1925 | 24287 | cl | Good; cloudy |
| 9179 | May 23, 1925 | 24294 | = l | Good; blurred |
| 9215 | May 27, 1925 | 24298 | = l | Good |
| 9290 | May 30, 1925 | 24301 | l] | Good; blurred |
| 9383 | June 17, 1925 | 24319 | l] | Trailed |
| 9410 | June 19, 1925 | 24321 | l] | Good; blurred |
| 9462 | June 24, 1925 | 24326 | l]] | Good; blurred |
| 9479 | June 25, 1925 | 24327 | k-l | Good; blurred |
| 9493 | June 26, 1925 | 24328 | cl k | Good; blurred |

90

- Sagittarii cont.

| Plate | Date | J. D. | Estimate | Remarks |
|---------|---------------|-------|----------|---------------|
| MF 9521 | July 10, 1925 | 24342 | Ek | Blurred; Good |

No. obs. = 68

RT Velorum. Marked with sequence on B 29354

| Plate | Date | J. D. | Estimate | Remarks |
|--------|----------------|---------|-------------------|---------------------|
| B 5175 | May 13, 1890 | 11501 | = d | Images not round |
| 5296 | May 28, 1890 | 11516 | = f | Star + sequence dy. |
| 10876 | April 11, 1894 | 12930 | n.s. EE f.s. | Fair |
| 12870 | March 15, 1895 | 13268 | n.s. e.s. | Poor |
| 12871 | March 15, 1895 | 13268 | n.s. EE e.s. | Poor |
| 13194 | May 9, 1895 | 13323 | n.s. h.s. | Blurred |
| 13196 | May 9, 1895 | 13323 | n.s. l.s. | Blurred |
| 13637 | June 5, 1895 | 13350 | n.s. l.s. | Quite good |
| 13682 | June 7, 1895 | 13352 | n.s. l.s. | Blurred |
| 15583 | April 11, 1896 | 13661 | n.s. EE d.s. | Poor |
| 15843 | May 13, 1896 | 13693 | h JJ | Quite good |
| 15908 | May 15, 1896 | 13695 | suc. eg. | Faint |
| 18121 | Nov. 28, 1896 | 13892 | n.s. h.s. | Blurred |
| 18447 | Jan. 30, 1897 | 13955 | n.s. l.s. | Good |
| 18760 | April 7, 1897 | 14022 | n.s. d.s. | Near edge |
| 21021 | March 17, 1898 | 14366 | n.s. h.s. | Film streaked |
| 21071 | March 26, 1898 | 14375 | n.s. g.s. | Faint |
| 21554 | June 1, 1898 | → 14441 | n.s. m.s. | Good |
| 22672 | May 2, 1899 | 14777 | n.s. g.s. | Quite good |
| 24675 | Feb 20, 1900 | 15071 | n.s. l.s. | Quite good |
| 24896 | | 15107 | n.s. m.s. | Blurred |
| 24993 | | 15117 | n.s. m.s. | Good |
| 25440 | | 15164 | n.s. EE m.s. | Good |
| 26789 | | 15365 | 2 JJ | Good |
| 26858 | | 15382 | C] | Near edge |
| 26878 | | 15385 | C] (fainter than) | Quite good |
| 26982 | | 15460 | n.s. f.s. | Badly blurred |
| 26985 | | 15463 | k] | Trailed but clear |
| 26997 | | 15470 | l] | Stars double |

| Plate | Date | J.D. | Estimate | Remarks |
|---------|------|-------|-------------|-------------------|
| B 27046 | | 15474 | = l | Good |
| 29044 | | 15707 | n.s.l.s. | Blurred |
| 29354 | | 15854 | [f | Images sharp |
| 29873 | | 15898 | n.s.l.s. | Blurred |
| 31279 | | 16131 | u.s.m.s. | Good |
| 31364 | | 16183 | u.s.m.s. | Good |
| 31449 | | 16222 | [c k | Quite good |
| 31588 | | 16239 | f] | Blurred |
| 31631 | | 16240 | f]] | Blurred |
| 31851 | | 16255 | [c | Images square |
| 31860 | | 16256 | [c | Near edge, ok. |
| 33114 | | 16549 | u.s.k.s. | Quite faint |
| 33207 | | 16573 | u.s.k.s. | Blurred |
| 33363 | | 16586 | n.s.h.s. | Quite faint |
| 33783 | | 16622 | n.s.[c m.s. | <u>Good</u> |
| 35320 | 2390 | 16815 | | |
| 35450 | | 16856 | n.s.k.s. | Faint |
| 35665 | | 16934 | u.s.g.s. | Fair |
| 35879 | | 16958 | n.s.h.s. | Blurred |
| 35985 | | 16977 | u.s.g.s. | Faint; blurred |
| 38505 | | 18029 | [c | Images not clear |
| 38507 | | 18029 | [c c | Better plate than |
| 38563 | | 18037 | = c ck | Quite good |
| 38587 | | 18040 | c] | Quite good |
| 38662 | | 18042 | c] | Quite good |
| 38877 | | 18090 | = b | Blurred |
| 39892 | | 18362 | n.s.g.s. | Fair |
| 40112 | | 18423 | n.s.[k.s. | Good |
| 41269 | | 18808 | n.s.[c g.s. | Blurred |
| 41278 | | 18809 | n.s.[m.s. | <u>Good</u> |

Rt Velorum cont.

93

| Plate | Date | J.D. | Estimate | Remarks |
|---------|------|-------|---------------|---------------|
| B 43062 | | 19526 | n.s. k.s. | Faded |
| 43680 | | 19903 | n.s. h.s. | Fair |
| 46255 | | 20931 | n.s. k.s. | Fair |
| 46346 | | 20951 | n.s. [E] g.s. | Fair |
| 46810 | | 21009 | n.s. [E] g.s. | Film streaked |
| 50743 | | 21376 | n.s. k.s. | Film streaked |
| 52671 | | 21714 | n.s. g.s. | Film streaked |
| 52925 | | 21749 | n.s. g.s. | Film streaked |
| MF 3368 | | 22075 | k] | Good |
| 3482 | | 22081 | [c] k | Good |
| 3629 | | 22101 | n.s. l.s. | Good |
| 3183 | | 22424 | g] | Good |
| 5506 | | 22455 | [c] c | Good |
| 5549 | | 22457 | [c] c | Good |
| 8063 | | 23617 | n.s. m.s. | Good |
| 8064 | | 23617 | n.s. [E] m.s. | Good |
| 8065 | | 23619 | n.s. [E] m.s. | Good |
| 8066 | | 23621 | n.s. [E] m.s. | Good |
| 8521 | | 23909 | [c] [c] m. | Good |
| A 2973 | | 14399 | [c] m | Good |
| AM 1996 | | 16269 | [c] b | Good |
| 2056 | | 16288 | [c]] | Fair ; clear |
| 2077 | | 16295 | [c]] | Quite good |
| 4015 | | 17185 | = d | Quite good |
| 5381 | | 18041 | = c | Quite good |
| 5400 | | 18055 | [c]] | Quite good |
| 5432 | | 18068 | b - c | Quite good |

94

Rt Velorum cont.

| Plate | Date | J. D. | Estimate | Remarks | |
|---------|------|-------|------------|------------------|----|
| HM 5539 | | 18100 | EC | Quite good | AX |
| 6083 | | 18434 | n.s.c.g.s. | Good | |
| 15161 | | 22454 | EC | Trailed | |
| 11694 | | 20994 | n.s.g.s. | Good | |
| 15185 | | 22459 | EC | Faint; trailed | |
| 15201 | | 22468 | EC | Quite good | AX |
| 12624 | | 21155 | sus. d]] | Faint | |
| 12957 | | 21329 | n.s.h.s. | Good | |
| 13058 | | 21347 | n.s.h.s. | Good | |
| 13831 | | 21693 | n.s.g.s. | Good | |
| 15104 | | 22429 | g]] | Good | |
| 15233 | | 22483 | Ed | Quite good | |
| 15247 | | 22486 | =d | Quite good | |
| 1217 | | 15869 | sus EC | Blurred | |
| 1985 | | 16268 | b] | Blurred | |
| 2012 | | 16278 | c] | Faint | |
| 5460 | | 18072 | b] | Blurred | |
| 9747 | | 20257 | =b | Blurred | |
| 15160 | | 22454 | EC | Good | |
| AX 471 | | 23900 | n.s.k.s. | Good | |
| 516 | | 23914 | n.s.k.s. | Good | |
| 1015 | | 24256 | f] | Slightly blurred | |
| 1023 | | 24282 | Ec | Blurred | |
| 1038 | | 24282 | f] | Quite good | |
| 1064 | | 24290 | g]] | Good | |
| 1150 | | 24318 | Ch | Quite good | |
| 1541 | | 24562 | n.s.k.s. | Good | |
| 1584 | | 24636 | =g | Trailed | |
| 1593 | | 24640 | -g] | Quite good | |

Rt. Velorum cont.

95

| Plate | Date | J. D. | Estimate | Remarks |
|----------|------|-------|-----------|---------------|
| AX 1635 | | 24651 | [c | Quite good |
| 1668 | | 24669 | c] | Defect near c |
| 1687 | | 24678 | =c | Good |
| 1998 | | 24863 | n.s. k.s. | Good |
| 2088 | | 25210 | n.s. k.s. | Blurred |
| AM 16540 | | 23792 | [d | Quite good |
| 16567 | | 23798 | Ce | Fair |
| 16591 | | 23813 | f] | Quite good |

No. obs = 123

all AM and AX plates of -45° dec. and 9, 10, and 11 hours P.A. were examined, the star being seen only a very few times. AK plates were examined.

RU Crucis marked with sequence on A 3093 and B 29687

| Plate | Date | J.D. | Estimate | Remarks |
|--------|----------------|-------|----------------------------------|--|
| A 1813 | June 3, 1896 | 13714 | n.s. l. s. | Images double |
| 2504 | June 23, 1897 | 14099 | n.s. h. s. | |
| 4339 | | 15140 | n.s. l. s. | Good |
| 7239 | March 29, 1905 | 16934 | n.s. l. s. | Star beside variable Hurted. May come up var. |
| 7244 | March 30, 1905 | 16935 | [[[[[[[m | Good |
| 7283 | April 29, 1905 | 16965 | n.s. [[[[[n.s. | Good |
| 7889 | July 24, 1906 | 17416 | n.s. m. s. | |
| 11888 | July 6, 1920 | 22512 | n.s. m. s. | |
| 3093 | June 16, 1897 | | [g | |
| 11890 | July 17, 1920 | 22523 | n.s. m. s. | |
| 12006 | May 30, 1922 | 23205 | [f | |
| 12372 | May 12, 1923 | 23552 | much fainter than m. = imaginary | |
| 12375 | May 13, 1923 | 23553 | [m | |
| 12409 | June 3, 1923 | 23574 | = l | |
| 12429 | June 12, 1923 | 23583 | [k] | |
| 12479 | June 30, 1923 | 23601 | [d | |
| 12577 | Aug. 9, 1923 | 23641 | = l | |
| 12914 | April 29, 1924 | 23905 | n.s. m. s. | |
| 12968 | May 29, 1924 | 23935 | n.s. m. s. | |
| B 9357 | In date given | | n.s. h. s. | |
| 9414 | May 9, 1893 | 12593 | n.s. e. s. | |
| 9485 | May 20, 1893 | 12604 | n.s. g. s. | Trailed |
| 11142 | May 15, 1894 | 12964 | n.s. e. s. | |
| 21124 | April 2, 1895 | 14382 | n.s. f. s. | |
| 21708 | | 14458 | = f | Good |
| 23487 | July 17, 1899 | 14762 | n.s. f. s. | |
| 25103 | April 11, 1900 | 15110 | n.s. f. s. | |
| 27170 | April 13, 1901 | 15488 | = imaginary n. | |

RU brucis cont.

123263

97

| Plate | Date | J.D. | Estimate | Remarks |
|---------|----------------|-------|----------------------------------|-----------------|
| 29687 | May 15, 1902 | 15885 | n.s. h.s. | |
| 31633 | May 5, 1903 | 16240 | n.s. h.s. or it may be there [h] | |
| 33565 | May 3, 1904 | 16604 | n.s. h.s. | |
| 40118 | April 30, 1909 | 18397 | n.s. k.s. | |
| 50330 | May 8, 1917 | 21357 | n.s. f.s. | |
| MF 5631 | May 15, 1920 | 22460 | n.s. Blur where var. is, [l] | |
| 5643 | May 16, 1920 | 22461 | sur. = l | |
| 8514 | May 2, 1924 | 23908 | n.s. m.s. | Very good |
| 10293 | May 31, 1926 | 24667 | n.s. m.s. | |
| 10299 | June 1, 1926 | 24668 | n.s. m.s. | Very good |
| 10312 | June 3, 1926 | 24670 | = imaginary σ | Very good |
| 10336 | June 7, 1926 | 24674 | = m | Near large star |
| 10418 | June 29, 1926 | 24696 | n.s. m.s. | Very good |
| 10475 | July 8, 1926 | 24705 | n.s. m.s. | Very good |

RU Crucis 12 32 63

Arbitrary Sequence in
B 29687 and A3093

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| | | | | | | | |
|---------------------------|---|-----|-----|----|-----|------------|---|
| -54° 20' 11" | 9 | 2.2 | -54 | 50 | .. | 125 | i |
| | 9 | 1.5 | -54 | 44 | 8.7 | AM | |
| B 41151 short Bk. 68, 182 | | | | | | 10557 | |
| 159 | | | | | | 19439 | |
| | | | | | | July 17/12 | |
| | | | | | | AM 6439 | |
| | | | | | | 19601 | |

AM-8468

~~14888~~

~~14998-20748~~

~~23225-23607~~

~~23905-24293~~

~~15193-20156~~

~~15897-25~~

22133

~~24291~~

+55° 1220

7

38.9 + 55 44

2

JK

5

7

35.3 + 55 50 8.2

JK

1

± 37526

Bk.

43. 162 E.

82

I 37676

Bk. 42, 72

14

Miss Muller

I think 199 days
will be better
C.H.P.

M