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I

Plate 1148.

Dm.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$	R.A.+(H×2).
1351	6h 34.2m	+6° 28′	2.3	17.4	1.2	34.8	7.7	69.0
1244	6 20.7	+2 0	11.0	24.2	5.5	48.4	7.5	69.1
1665	6 56.8	+1 42	11.6	6.3	5.8	12.6	7.5	69.4
1386	6 41.0	−1 10	17.4	14.3	8.7	28.6	17.5	69.6
1788	6 55.7 (55.5)	−4 2 (6.2)	22.9	6.9	11.4	13.8	17.4	69.5
1278	6 24.4 (24.7)	+6 8 (6.2)	2.9	22.3	1.4	44.6	7.5	69.0
							7.5	69.3

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S.

Plate 1206.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec. + $\frac{v}{2}$.	R.A. + (H×2).
2060	8h 47.7m	+ 6° 30′	2.4	10.9	1.2	21.8	7.7	69.5
2001	8 30.0	+ 6 13	3.0	19.6	1.5	39.2	7.7	69.2
2449	8 54.6	+ 0 5	15.0	7.6	7.5	15.2	7.6	69.8
2074	8 26.7	− 1 39	18.4	21.3	9.2	42.6	17.6	69.5
2699	8 42.1 (4.9, 3.1.5)	− 2 55 (7.2, 3.8)	20.8	13.8	10.4	27.6	17.5	69.7
2026	8 31.2	+ 3 50	7.7	19.0	3.8	38.0	7.6	69.2
							7.6	69.5

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L.

Plate 1207.

DM.	R.A. h m	Dec. ° ′	r	H	r/2	H×2	Dec.+r/2.	R.A.+(H×2).
2112	10 0.2	+10 43	3.9	5.9	2.0	11.8	12.7	12.0
2301	9 52.5	+ 8 44	7.9	9.7	4.0	19.4	12.7	71.9
2207	9 30.9	+ 5 18	14.6	20.3	7.3	40.6	12.6	71.5
2217	9 25.2 (56.4)	+ 2 31 (3.9)	19.9	23.2	10.0	46.4	12.5	71.6
2311	9 56.6 (24.8)	+ 3 54 (10.3)	17.4	7.7	8.7	15.4	12.6	72.0
2014	9 24.2	+10 21	4.6	23.5	2.3	47.0	12.7	71.2
							12.6	71.7

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I.

Plate 1252.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H+2	Dec + $\frac{v}{2}$.	R.A. + (H+2).
1864	8h 49.5	+16° 8	2.7	11.5	1.4	23.0	17.5	72.5
1984	8 59.9	+11 14	12.3	6.4	6.2	12.8	17.4	72.7
1818	8 24.8	+10 35	13.5	23.5	6.8	47.0	17.4	72.8
2001	8 30.0	+ 6 13	22.2	21.0	11.1	42.0	17.3	72.0
2060	8 47.7 (47.9)	+ 6 30 (6.6)	21.7	12.4	10.8	24.6	17.3	72.3
1851	8 28.0 (28.9)	+ 15 48 (15.8)	3.3	21.8	1.6	43.6	17.4	71.6
							17.4	72.3

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I

Plate 1215.

DM.	R.A.	Dec.	V	H	V/2	H+2	Dec.+V/2.	R.A.+(H+2).
1984	8h 59m.9	+ 11° 14′	2.8	16.8	1.4	33.6	12.6	93.5
2188	9 20.7	+ 9 41	5.8	6.7	2.9	13.4	12.6	34.1
2060	8 47.7	+ 6 30	12.3	22.9	6.2	45.8	12.7	93.5
2167	9 6.8 (50.8)	+ 2 56 (2,2)	19.3	13.6	9.6	27.2	12.5	34.0
2111	8 50.7 (80.4)	+ 2 6 (8.8)	20.8	21.5	10.4	43.0	12.5	93.7
2226	9 20.8	+ 8 49	7.6	6.7	3.8	13.4	12.6	34.2
							12.6	93.8

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I.

Plate 1265.

DM.	R.A.	Dec.	V	H	V/2	H×2	Dec.+V/2	R.A.+(H×2).
1984	8h 59.9m	+11° 14′	2.8	15.2	1.4	30.4	12.6	90.3
2226	9 20.8	+ 8 49	7.5	5.2	3.8	10.4	12.6	31.2
2060	8 47.7	+ 6 30	12.2	21.3	6.1	42.6	12.6	90.3
2167	9 6.8	+ 2 56	19.2	12.2	9.6	24.4	12.5	31.2
2111	8 50.7 (50.8, 49.8)	+ 2 6 (2.2, 8 6)	20.7	20.0	10.4	40.0	12.5	90.7
2199	9 10.2	+ 8 33	8.1	10.5	4.0	21.0	12.6	31.2
							12.6	90.8

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I.

Plate 1216.

DM.	R.A.	Dec.	V	H	V/2	H×2.	Dec.+V/2.	R.A.+(H×2).
2371	10h 38m.6	+19° 40′	6.0	8.2	3.0	16.4	22.7	55.0
2144	10 31.1	+16 53	11.5	11.7	5.8	23.4	22.7	54.5
2192	10 14.1	+15 42	14.0	19.8	7.0	39.6	22.7	53.7
2228	10 8.9 (41.2)	+14 28 (11.5)	16.4	22.3	8.2	44.6	22.7	53.5
2283	10 41.6 (12.8)	+11 19 (20.5)	22.4	6.5	11.2	13.0	22.5	54.6
2467	10 12.0	+20 35	4.4	20.7	2.2	41.4	22.8	53.4
							22.7	54.1

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4.

Plate 1110.

H.P.		R.a.	Dec.	v	H	v/2	H×2.	Dec + v/2.	R.A. + (H×2).
1349	Gemini	7 3.5	+ 30 26	4.0	22.5	2.0	45.0	32.4	48.5 + 3.1 = 51.6
1459	"	7 38.0	+ 28 19	8.4	7.6	4.2	15.2	32.5	53.2 − 2.7 = 50.5
1457	"	7 37.2	+ 24 41	15.5	7.7	7.8	15.4	32.5	52.6 − 1.9 = 50.7
1377	"	7 13.0 (20.5)	+ 22 12 (21.8)	20.4	18.7	10.2	37.4	32.4	50.4 + 0.9 = 51.3
1402	"	7 20.6 (21.6)	+ 21 41 (28.2)	21.3	15.2	10.6	30.4	32.3	51.0 0 = 51.0
1409	"	7 21.9	+ 28 23	8.4	14.7	4.2	29.4	32.6	51.3 − 0.1 = 51.2
								32.4	51.0

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J.

Plate 1111.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
1386	Auriga	7 15.8 + 40° 54′	3.3	17.0	1.6	34.0	42.5	49.8 + 1.5 = 51.3
1348	"	7 3.4 + 39 31	5.9	21.6	3.0	43.6	42.5	47.0 + 4.8 = 51.8
1466	Gemini	7 39.8 + 33 43	17.4	7.4	8.7	14.8	42.4	54.6 − 3.9 = 50.7
1423	"	7 26.9 (21.3) + 32 9 (32.1)	20.6	12.6	10.3	25.6	42.5	52.5 − 1.1 = 51.4
1405	"	7 21.4 (19.5) + 32 1 (39.4)	20.6	15.0	10.4	30.0	42.4	51.4 0 = 51.4
1392	Lynx	7 17.7 + 49 27	6.2	15.9	3.1	31.8	52.5	49.5 + 0.9 = 50.4
							52.5	51.2

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J.

Plate 1062.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
1387	Gemini	7 16.2	+25 17′	4.3	8.4	2.2	16.8	27.5	33.0 − 1.9 = 31.1
1293	..	6 44.4	+21 55	10.8	22.9	5.4	45.8	27.3	90.2 + 1.7 = 91.9
1334	..	6 57.0	+20 45	13.4	17.1	6.7	34.2	27.5	91.2 + 0.5 = 91.7
1373	..	7 11.2 (63.8)	+16 45 (17.2)	21.1	10.5	10.6	21.0	27.4	31.2 − 0.6 = 31.8
1351	..	7 3.9 (48.2)	+27 4 (24.2)	20.5	13.9	10.2	27.8	27.3	31.7 − 0.5 = 31.2
1295	..	6 44.9	+34.6	6.5	21.7	3.2	43.4	37.3	88.3 + 2.7 = 91.0
								37.4	91.4

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6.

Plate 1063.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
1304	Amiga	6 47.7	+ 46 26	2.3	19.5	1.2	39.0	47.6	86.7 + 4.2 = 90.9
1269	"	6 38.1	+ 43 42	7.5	23.2	3.8	46.4	47.5	84.5 + 6.7 = 91.2
1386	"	7 15.8	+ 40 54	13.1	9.4	6.6	18.8	47.5	36.6 − 4.1 = 32.5
1382	"	7 14.0	+ 36 59	20.8	9.7	10.4	19.4	47.4	33.4 − 3.1 = 30.3
1304	"	6 47.7 (52.4, 68.4)	+ 46 26 (36.6, 45.5)	21.8	19.4	10.9	38.8	57.3	86.5 + 4.2 = 90.7
1378	Lynt	7 13.1	+ 55 30	4.0	11.4	2.0	22.8	57.5	35.9 − 4.8 = 31.1
								57.5	91.1

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J

Plate 1153.

H.P.		R.A.	Dec.	v	H	v/2	H×2.	Dec. + v/2	R.A. + (H×2).
1387	Gemini	7 16.2	+ 25 17	4.5	18.4	2.2	36.8	27.5	53.0 + 1.1 = 54.1
1457	"	7 37.2	+ 24 41	5.7	8.9	2.8	17.8	27.5	55.0 − 1.7 = 53.3
1373	"	7 11.2	+ 16 45	21.1	21.0	10.6	42.0	27.4	53.2 + 0.9 = 54.1
1421	"	7 26.8 (36.4)	+ 16 5 (18.2)	22.5	13.7	11.2	27.4	27.3	54.1 − 0.3 = 53.8
1459	"	7 38.0 (18.8)	+ 28 19 (22.0)	18.3	8.7	9.2	17.4	37.5	55.4 − 2.4 = 53.0
1377	"	7 13.0	+ 22 12	10.7	20.0	5.4	40.0	27.6	53.0 + 1.2 = 54.2
								37.5	53.7

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L.

Plate 1155

H.P.		R.A.	Dec.	r	H	r/2	H×2	Dec. + r/2	R.A. + (H×2)
1436	Gemini	7h 31.8m	+34° 52′	5.3	20.3	2.6	40.6	37.5	71.9 + 2.7 = 74.6
1423	"	7 26.9	+32 9	10.6	22.4	5.3	44.8	37.4	71.7 + 3.5 = 75.2
1526	"	8 5.7	+30 1	14.6	5.8	7.3	11.6	37.3	17.3 − 3.7 = 73.6
1481	"	7 46.2 (38.9)	+27 5 (28.2)	20.6	14.4	10.3	28.8	37.4	75.0 − 0.5 = 74.5
1459	"	7 38.0 (59.1)	+28 19 (31.9)	18.4	17.8	9.2	35.6	37.5	73.6 + 0.9 = 74.5
1511	Cancer	8 0.7	+21 56	11.0	7.7	5.5	15.4	27.4	16.1 − 1.7 = 14.4
								37.4	74.5

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4
5.

Plate 1156.

H.P.		R.A.	Dec.	V	H	V/2	H×2	Dec.+V/2	R.A.+(H×2)
1378	Lyncis	7h 13.1m	+ 55° 30′	3.2	23.7	1.6	47.4	57.1	60.5 + 11.3 = 71.8
1540	"	8 14.7	+ 53 36	7.1	5.9	3.6	11.8	57.2	26.5 − 10.9 = 15.6
1509	"	7 59.4	+ 51 51	11.0	10.3	5.5	20.6	57.3	80.0 − 5.4 = 74.6
1439	"	7 32.4 (38.2)	+ 48 24 (50.6)	17.7	18.9	8.8	37.8	57.2	70.2 + 3.9 = 74.1
1448	"	7 35.0 (54.2)	+ 50 42 (53.4)	13.1	17.9	6.6	35.8	57.3	70.8 + 3.0 + 73.8
Not in H.P.				7.5	9.9	3.8	19.8	—	— — —
								57.2	74.0

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L.

Plate 1172.

H.P.	R.A. h m	Dec. ° ′	ν	H	ν/2	H×2.	Dec.+ν/2.	R.A.+(H×2).
1526 Gemini	8 5.7	+ 30 1	4.9	13.0	2.4	26.0	32.4	31.7 − 0.9 = 30.8
1551 Cancer	8 19.5	+ 27 20	10.0	6.8	5.0	13.6	32.3	33.1 − 2.7 = 30.4
1481 Gemini	7 46.2	+ 27 5	10.5	21.6	5.2	43.2	32.3	89.4 + 2.3 = 91.7
1511 Cancer	8 0.7	+ 21 56	20.8	15.2	10.4	30.4	32.3	31.1 + 0.1 = 31.2
1507 "	7 58.4 (58.2 64.8)	+ 13 28 (23.5 27.9)	17.6	16.4	8.8	32.8	22.3	91.2 + 0 = 91.2
1521 "	8 5.3	+ 18 1	8.7	13.1	4.4	26.2	22.4	31.5 − 0.3 = 91.2
							32.3	91.1

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L.

Plate 1173.

H.P.	R.A.	Dec.	V	H	V/2	H×2.	Dec.+V/2.	R.A.+(H×2).
1448 Lynx	7h 35.0m	+ 50° 42′	34	23.1	17′	46.2	52.4	81.2 + 8.9 = 90.1
1480 "	7 46.0	+ 47 52	9.2	19.9	4.6	39.8	52.5	85.8 + 4.8 = 90.6
1550 "	8 19.3	+ 46 3	12.8	8.5	6.4	17.0	52.4	36.3 − 6.0 = 30.3
1539 "	8 14.6	+ 43 35	17.8	10.1	8.9	20.2	52.5	34.8 − 4.1 = 30.7
Not in H.P.	59.0 63.0	43.6 48.4	17.7	15.7	8.8	31.4	—	— — —
" " " "	73.8	54	7.9	13.7	4.0	27.4	—	— — —
1545 Lynx	8 17.4	+ 35 25	14.0	8.3	7.0	16.6	42.4	34.0 − 3.9 = 30.1
							52.4	90.4

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7.

Plate 1150.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H+2	Dec.+$\frac{V}{2}$	R.A.+(H×2).
1537	Barnard	8 13.4	+24 24	6.2	17.5	3.1	35.0	27.5	48.4 + 0.7 = 49.1
1511	"	8 0.9	+21 56	10.8	23.4	5.4	46.8	27.3	47.5 + 1.8 = 49.3
1597	"	8 36.3	+21 55	11.0	6.9	5.5	13.8	27.4	50.1 − 1.8 = 48.3
1548	"	8 19.0	+17 27	19.8	15.0	9.9	30.0	27.3	49.0 0 = 49.0
1551	"	8 19.5	+27 20	20.0	14.7	10.0	29.4	37.3	48.9 − 0.1 = 48.8
1567	"	8 24.4	+24 29	6.0	12.5	3.0	25.0	27.5	49.4 − 0.7 = 48.7
								37.4	48.9

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4

Plate 1194.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H×2	Dec.+$\frac{V}{2}$	R.A.+(H×2)
1550	~~Lyncis~~	8 19.3	+ 46 3	2.9	148	1.4	29.6	47.4	48.9 − 0.2 = 48.7
1539	"	8 14.6	+ 43 35	8.0	16.4	4.0	32.8	47.6	47.4 + 1.1 = 48.5
1616	"	8 43.9	+ 44 11	6.3	5.9	3.2	11.8	47.4	55.7 − 5.9 = 49.8
1576	"	8 27.1	+ 36 50	21.0	11.7	10.5	23.4	47.3	50.5 − 1.9 = 48.6
1591	"	8 32.8 (28.6)	+ 46 16 (36.4)	22.0	10.0	11.0	20.0	57.3	52.8 − 4.7 = 48.1
1509	"	7 59.4 (7.2)	+ 51 51 (41.9)	11.0	20.7	5.5	41.4	57.3	100.8 + 6.6 = 107.4
								57.4	108.4

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4.

Plate 1158.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec. + $\frac{v}{2}$	R.A. + (H×2).
1625	Cancri	8 46.9	+31 2	3.2	13.5	1.6	27.0	32.6	73.9 − 0.7 = 73.2
1657	"	9 0.7	+30 9	4.8	7.5	2.4	15.0	32.6	15.7 − 3.0 = 12.7
1567	"	8 24.4	+24 29	16.0	23.7	8.0	47.4	32.5	71.8 + 2.4 = 74.2
1597	"	8 36.3	+21 55	21.2	18.3	10.6	36.6	32.5	72.9 + 0.9 = 73.8
1639	"	8 51.9	+12 19	20.3	11.2	10.2	22.4	22.5	74.3 − 0.5 = 73.8
1602	"	8 37.9	+18 36	8.1	17.7	4.0	35.4	22.6	73.3 + 0.5 = 73.8
								32.6	73.6

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J.

Plate 1159.

H.P.	R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
1627 Lynx	8h 48m.7	+40° 40′	3.7	12.8	1.8	25.6	42.5	74.3 − 1.7 = 72.6
1653 Ursa Maj.	8 58.9	+38 56	7.1	8.7	3.6	17.4	42.5	76.3 − 4.2 = 72.1
1576 Lynx	8 27.1	+36 50	11.2	21.3	5.6	42.6	42.4	69.7 + 3.9 = 73.6
1619 Cancri	8 45.2	+32 56	19.0	14.1	9.5	28.2	42.4	73.4 − 0.5 = 72.9
1641 Ursae Maj.	8 52.8 (50.4)	+42 15 (32.2)	20.4	11.2	10.2	22.4	42.4	75.2 − 2.7 = 72.5
Not in H.P.	(27.6)	(35.7)	9.4	22.6	4.7	45.2	—	— — —
							42.4	72.7

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G.

Plate 1272.

H.P.		R.A.	Dec.	ν	H	$\frac{\nu}{2}$	H×2.	Dec.+$\frac{\nu}{2}$.	R.A.+(H×2).
1677	Cancri	9 8.6	+ 15 26'	4.2	11.0	2.1	22.0	17.5	30.6
1639	"	8 51.9	+ 12 19	10.3	19.1	5.2	38.2	17.5	90.1
1659	"	9 1.3	+ 11 9	10.7	14.6	5.4	29.2	17.6	30.5
1629	Hydræ	8 49.1 (74.0)	+ 6 24 (11.0)	22.0	20.6	11.0	41.2	17.4	90.3
1688	"	9 14.6 (73.4)	− 9 3 (8.5)	13.0	8.2	6.5	16.4	7.5	31.0
1687	"	9 14.0	− 11 28	17.9	8.5	9.0	17.0	17.5	31.0
								17.5	90.6

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G.

Plate 1140.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$	R.A.+(H×2).
2208	Virgo	12h 56.2	+ 11° 36′	2.3	6.7	1.2	13.4	12.8	69.6
2157	"	12 35.8	+ 10 54	3.8	16.7	1.9	33.4	12.8	69.2
2158	"	12 35.9	+ 7 28	10.5	16.7	5.2	33.4	12.7	69.3
2146	"	12 32.3	+ 2 31	20.0	18.2	10.0	36.4	12.5	68.7
2193	"	12 49.6 (49.0)	+ 4 3 (3.8)	17.8	10.1	8.9	20.2	12.9	69.8
2120	bonus	12 23.7 (23.8)	- 15 51 (3.9)	17.6	22.7	8.8	45.4	12.6	69.1
								12.7	69.3

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G.

Plate 12/10.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H+2.	Dec.+$\frac{V}{2}$	R.A.+(H+2)
2257	Virgo	13 16.1	+5 48′	4.4	8.5	2.2	17.0	8.0	33.1
2193	"	12 49.6	+4 3	8.0	21.6	4.0	43.2	8.0	92.8
2208	Virgo	12 56.2	+11 36	12.8	18.2	6.4	36.4	18.0	92.6
2244	"	13 10.8	+10 3	15.8	11.1	7.9	22.2	17.9	33.0
2249	Hydra	13 12.4	−22 32	20.9	10.9	10.4	21.8	17.9	34.2
2185	Virgo	12 47.8	+13 4	9.7	22.2	4.8	44.4	17.9	94.2
								18.0	93.3

71.1 7.6
48.5 13.2

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I

Plate 1297

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec. + $\frac{v}{2}$	R.A. + (H×2).
2350	12h 11.2m	+31° 4′	3.4	18.5	1.7	37.0	32.8	48.2 + 1.5 = 49.7
2084	12 3.4	+28 6	9.0	22.1	4.5	44.2	32.6	47.6 + 2.5 = 50.1
2383	12 36.2	+26 55	11.4	7.6	5.7	15.6	32.6	51.8 − 2.4 = 49.4
2424	12 22.4	+21 42	21.8	14.0	10.9	28.0	32.6	50.4 − 0.3 = 50.1
2475	12 27.6 (26.6, 0.8)	+23 26 (23.4, 29.3)	18.4	11.6	9.2	23.2	32.6	50.8 − 0.9 = 49.9
2265	12 4.6	+29 21	6.6	21.5	3.3	43.0	32.7	47.6 + 2.5 = 50.1
							32.6	49.9

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I.

Plate 1214.

DM.	R.a.	Dec.	v	H	$\frac{v}{2}$	H+2.	Dec.+$\frac{v}{2}$	R.A.+(H+2).
1687	8h 10.9m	+ 16° 34′	2.3	11.7	1.2	23.4	17.8	34.3
1899	8 20.5	+ 14 42	6.0	7.1	3.0	14.2	17.7	34.7
1815	7 47.6	+ 9 14	16.8	23.1	8.4	46.2	17.6	93.8
1879	7 50.3	+ 7 36	20.0	21.9	10.0	43.8	17.6	94.1
2053	8 18.1 (18.0)	+ 8 21 (8.1)	19.2	8.1	9.6	16.2	17.6	34.3
1775	8 2.8 (3.0)	+ 15 4 (15.0)	5.4	15.6	2.7	31.2	17.8	34.0
							17.7	94.2

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G

Plate 1309.

H.P.	R.A.	Dec.	r	H	r/2	H×r.	Dec.+r/2.	R.A.+(H×r)
1795 Leo	10h 1.5m	+10° 35′	4.0	15.0	2.0	30.0	12.6	31.5
1782 "	9 53.9	+ 8 37	7.8	18.7	3.9	37.4	12.5	91.3
1761 Sextans	9 46.0	+ 3 1	18.7	22.7	9.4	45.4	12.4	91.4
1825 "	10 14.9	+ 2 54	19.0	8.3	9.5	16.6	12.4	31.5
1815 "	10 11.7 (71.4)	− 7 28 (2.5)	20.0	10.0	10.0	20.0	12.5	31.7
1789 Hydra	9 59.3 (59.2)	−12 29 (7.5)	10.0	16.1	5.0	32.2	12.5	91.5
							12.5	91.5

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G.

Plate 1302.

H.P.	R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2	R.A.+(H×2).
1795 Leo	10 1.5	+ 10 35	4.0	14.4	2.0	28.8	12.6	30.3
1761 Sextans	9 46.0	+ 3 1	18.8	22.1	9.4	44.2	12.4	90.2
1825 "	10 14.9	+ 2 54	19.0	7.7	9.5	15.4	12.4	30.3
1815 "	10 11.7	- 7 28	19.8	9.3	9.9	18.6	12.4	30.3
1759 Hydra	9 45.7	- 14 17	13.6	22.1	6.8	44.2	12.5	89.9
1800 "	10 4.7	- 11 46	8.8	12.9	4.4	25.8	12.6	30.5
							12.5	90.2

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G.

Plate 1304.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
1859	Leo	10 26.5	+ 9 55	5.0	21.8	2.5	43.6	12.4	70.1
1863	"	10 28.5	+ 7 34	9.6	20.8	4.8	41.6	12.4	70.1
1921	"	10 54.4	+ 4 16	16.2	8.1	8.1	16.2	12.4	70.6
1922	"	10 54.5	+ 6 44	11.3	8.0	5.6	16.0	12.3	70.5
1918	Crater	10 53.9	- 17 40	20.0	8.7	10.0	17.4	12.3	71.3
1850	Leptans	10 24.2	- 0 1	5.0	23.2	2.5	46.4	2.5	70.6
								12.4	70.5

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G.

Plate 1310.

H.P.	R.A.	Dec.	r	H	r/2	H×2	Dec.+r/2.	R.A.+(H×2)
1859 Leo	10h 26m.5	+ 9° 55′	5.1	22.6	2.6	45.2	12.5	71.7
1863 "	10 28.5	+ 7 34	9.8	21.6	4.9	43.2	12.5	71.7
1922 "	10 54.5	+ 6 44	11.5	8.8	5.8	17.6	12.5	72.1
1921 "	10 54.4	+ 4 16	16.4	8.9	8.2	17.8	12.5	72.2
1918 Crater	10 53.9 (52.9)	− 17 40 (2.5)	20.1	9.5	10.0	19.0	12.3	72.9
1892 Leo.	10 42.9 (42.7)	+ 11 11 (11.1)	2.8	14.6	1.4	29.2	12.6	72.1
							12.5	72.1

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G.

Plate 1257.

H.P.		R.A.	Dec.	r	H	r/2	H×z.	Dec.+r/2.	R.A.+(H×z).
2244	Virgo	13h 10.8m	+10° 3′	5.2	20.6	2.6	41.2	12.6	52.0
2267	"	13 16.1	+5 48	13.6	18.0	6.8	36.0	12.6	52.1
2292	"	13 28.1	+4 16	16.6	12.2	8.3	24.4	12.6	52.5
2317	"	13 37.1	+4 9	16.8	7.7	8.4	15.4	12.6	52.5
2284	Hydra	13 25.9 (2.5.1)	−2 8.4 (2.2)	20.8	13.6	10.4	27.2	12.3	53.1
2263	Virgo	13 18.9 (18.7)	−10 32 (9.4)	6.5	16.6	3.2	33.6	12.7	52.5
2294	"	13 28.6 (2.8.3)	+0 1 (9.8)	5.6	12.0	2.8	24.0	2.8	52.6
								12.6	52.5

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G.

Plate 1219.

H.P.	R.A.	Dec.	V	H	V/2	H+2.	Dec.+V/2.	R.A.+(H×2).
2263 Virgo	13h 18.9m	−10° 32′	6.1	16.9	3.0	33.8	12.5	52.7
2294 "	13 28.6	+ 0 1	4.8	12.1	2.4	24.2	2.4	52.8
2249 Hydra	13 12.4	−22 32	9.8	19.9	4.9	39.8	12.4	52.2
							12.4	52.6

13.0 7.5

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G.

Plate 1145.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2294	Virgo	13h 28.6m	+ 0° 1′	14.8	21.2	7.4	42.4	7.4	71.0
2373	"	13 55.5	+ 2 8	10.6	7.8	5.3	15.6	7.4	71.1
2292	"	13 28.1 (28.2)	+ 4 1.6 (4.2)	6.3	21.4	3.2	42.8	7.5	70.9
								7.4	71.0

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I.

Plate 1301.

DM.	R.A.	Dec.	v	H	v/2	H+2	Dec.+v/2.	R.A.+(H×2).
2120	9 4.3	+6 4	3.2	22.6	1.6	45.2	7.7	49.5
2167	9 6.8	+2 56	9.4	21.3	4.7	42.6	7.6	49.4
2217	9 25.2	+2 31	10.3	12.2	5.2	24.4	7.7	49.6
2231	9 32.5	-0 29	16.3	8.6	8.2	17.2	17.7	49.7
2693	9 22.3	-3 37	22.2	13.7	11.1	27.4	17.5	49.7
2207	9 30.9	+5 18	4.8	9.4	2.4	18.8	7.7	49.7
							7.6	49.6

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I.

Plate 1308.

DM.	R.A.	Dec.	V	H	V/2	H×2.	Dec.+V/2.	R.A.+(H×2).
2120	9 4.3	+ 6 4'	2.8	22.9	1.4	45.8	7.5	50.1
2167	9 6.8	+ 2 56	9.4	21.6	4.7	43.2	7.6	50.0
2217	9 25.2	+ 2 31	10.2	12.5	5.1	25.0	7.6	50.2
2231	9 32.5	− 0 29	16.1	8.9	8.0	17.8	17.5	50.3
2672	9 17.6 (17.8)	− 3 40 (6.5)	22.2	16.2	11.1	32.4	17.4	50.0
2207	9 30.9 (30.8)	+ 5 18 (5.2)	4.7	9.7	2.4	19.4	7.7 / 7.6	50.3 / 50.2

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F

Plate 1175

H.P.	R.A.	Dec.	r	H	r/2	H×z.	Dec.+r/2.	R.A.+(H×z).
1685	Lynx	9 13.7	+34 54	4.8	8.9	2.4	17.8	37.3	31.5 − 3.3 = 28.2
1640	Cancer	8 52.2	+32 53	8.8	16.8	4.4	33.6	37.3	87.8 + 0.9 = 88.7
1605	"	8 39.4	+29 12	15.8	23.6	7.9	47.2	37.1	86.6 + 3.3 = 89.9
1692	Leo	9 17.7	+26 42	20.7	6.8	10.4	13.6	37.1	31.3 − 2.7 = 28.6
1635	Cancer	8 50.9	+16 2	22.0	19.1	11.0	38.2	27.0	89.1 + 0.6 = 89.7
1646	"	8 55.8	+24 56	4.8	16.5	2.4	33.0	27.3	88.8 + 0.5 = 89.3
								37.2	89.1

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I.

Plate 1176.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H×2.	Dec.+$\frac{V}{2}$	R.A.+(H×2).
1644	Ursa Majoris	8 55.2	+54 45	5.8	15.8	2.9	31.6	57.7	86.8 + 0.9 = 87.7
1585	"	8 30.4	+53 8	8.4	23.3	4.2	46.6	57.3	77.0 + 10.1 = 87.1
1709	"	9 24.8	+52 13	10.4	6.9	5.2	13.8	57.4	38.6 − 9.5 = 28.1
1645	"	8 55.4	+47 36	19.8	16.0	9.9	32.0	57.5	87.4 + 1.1 = 88.5
1681	Lyncis	9 11.4	+37 19	20.4	10.2	10.2	20.4	47.5	31.8 − 2.9 = 28.9
Not in H.P.				2.8	17.6	1.4	35.2	~	~ ~ ~
								57.5	88.1

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I.

Plate 1197.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
1742 Leo	g	36.5 + 30 32	3.8	7.7	1.9	15.4	32.4	51.9 − 3.0 = 48.9
1692 "	g	17.7 + 26 42	11.5	15.9	5.8	31.8	32.5	49.5 + 0.3 = 49.8
1747 "	g	39.0 + 24 20	16.0	6.3	8.0	12.6	32.3	51.6 − 2.4 = 49.2
1661 Cancri	g	2.5 + 22 31	19.4	23.1	9.7	46.2	32.2	48.7 + 1.9 = 50.6
Not in H.P.			21.0	21.0	10.5	42.0	—	—
Not in H.P.			7.1	12.1	3.6	24.2	—	—
1711 Leo	g	25.5 + 11 50	21.0	12.4	10.5	24.8	22.3	50.1 − 0.2 = 49.9
							32.3	49.7

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Plate 1198.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H×2.	Dec.+$\frac{V}{2}$.	R.A.+(H×2).
1765	Ursa Major	9 47.9	+ 50 24	3.9	5.8	2.0	11.6	52.4	59.5 − 9.9 = 49.7
1645	"	8 55.4	+ 47 38	9.4	23.0	4.7	46.0	52.3	101.4 + 7.8 = 109.2
1751	"	9 40.8	+ 46 35	11.7	7.7	5.8	15.4	52.4	56.2 − 6.9 = 49.4
1671	Lynx	9 6.0	+ 43 43	17.4	19.8	8.7	39.6	52.4	45.6 + 3.9 = 49.5
1685	"	9 13.7	+ 34 54	15.2	17.4	7.6	34.8	42.5	48.5 + 1.1 = 49.6
1727	"	9 31.0	+ 40 47	3.4	10.7	1.7	21.4	42.5	52.4 − 3.0 = 49.4
								52.4	109.5

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I.

Plate 1085.

H.P.	R.A.	Dec.	V	H	$\frac{V}{2}$	H+z.	Dec.+$\frac{V}{2}$.	R.A.+(H+z).
1760 Leo	9h 45.9m	+26° 34′	22	13.6	1.1	27.2	27.7	73.1 − 0.5 = 72.7
1710 "	9 24.9	+23 30	8.0	23.1	4.0	46.2	27.5	71.1 + 2.1 = 73.2
1784 "	9 56.1	+22 33	10.0	8.9	5.0	17.8	27.6	73.9 − 1.3 = 72.6
1793 "	10 0.8	+17 21	20.2	6.5	10.1	13.0	27.5	13.8 − 1.2 = 12.6
1760 "	9 45.9	+26 34	21.8	13.5	10.9	27.0	37.5	72.9 − 0.6 = 72.3
1742 "	9 36.5	+30 32	14.0	17.5	7.0	35.0	37.5	71.5 + 1.1 + 72.6
							37.6	72.7

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I.

Plate 1086.

H.P.	R.A.	Dec.	r	H	$\frac{r}{2}$	H+z.	Dec.+$\frac{r}{2}$.	R.A.(H+z).
1819 Ursa Majo	10 12.5	+ 54° 24′	4.9	5.7	2.4	11.4	56.8	23.9 − 11.7 = 12.2
1709 "	9 24.8	+ 52 13	9.8	19.7	4.9	39.4	57.1	64.2 + 5.4 = 69.6
1751 "	9 40.8	+ 46 35	21.0	14.9	10.5	29.8	57.1	70.6 − 0.2 = 70.4
1696 "	9 20.9	+ 46 8	21.6	21.7	10.8	43.4	56.9	64.3 + 6.1 = 70.4
1792 Leo Minor	10 0.4	+ 35 50	22.0	7.0	11.0	14.0	46.8	14.4 − 4.8 = 9.6
1675 Ursa Majo	9 7.6	+ 54 31	4.8	24.5	2.4	49.0	56.9	56.6 + 12.0 = 68.6
							56.9	70.1

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4

Plate 1114.

H.P.	R.A.	Dec.	V	H	$\frac{V}{2}$	H+z.	Dec.+$\frac{V}{2}$	R.A.+(H×z).
1808 Leo Minor	10 9.4	+29 54	5.0	11.1	2.5	22.2	32.4	31.6 − 1.5 = 30.1
1760 Leo	9 45.9	+26 34	10.5	21.4	5.8	42.8	32.4	88.7 + 2.1 = 90.8
1812 "	9 10.0	+24 1	16.6	10.6	8.3	21.2	32.3	31.2 − 1.1 = 30.1
1784 "	9 56.1 (61.4)	+22 33 (22.8)	19.4	17.0	9.7	34.0	32.3	90.1 + 0.5 = 90.6
1797 "	10 21.0 (72.0)	+12 33 (30.6)	19.3	14.5	9.6	29.0	22.2	31.0 − 0 = 31.0
1823 "	10 13.4	+20 27	3.6	9.2	1.8	18.4	22.2	31.8 − 1.1 = 30.7
							32.3	90.6

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Plate 1115.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
1765	Ursa Major	9h 47.9m	+ 50° 24′	4.6	18.7	2.3	37.4	52.7	853 + 3.9 = 89.2
1751	"	9 40.8	+ 46 35	11.8	21.4	5.9	42.8	52.5	83.6 + 5.9 = 89.5
1870	"	10 9.9	+ 43 31	18.0	11.4	9.0	22.8	52.5	32.7 − 3.0 = 29.7
1827	"	10 15.2	+ 42 6	20.8	9.4	10.4	18.8	52.5	34.0 − 4.5 = 29.5
1834	Leo Minor	10 19.0 (74.9 59.5)	+ 34 25 (44.4 45.8)	16.3	7.3	8.2	14.6	42.6	33.6 − 4.2 = 29.4
1792	"	10 0.4	+ 35 50	13.6	15.0	6.8	30.0	42.6	30.4 0 = 30.4
								52.6	89.6

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of

Plate 1087.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H+z	Dec.+$\frac{v}{2}$	R.A.+(H+z)
1792 Leo Minor	10 0.4	+35 50	2.8	22.9	1.4	45.8	37.2	46.2 + 4.7 = 50.9
1886 "	10 39.2	+31 19	12.0	6.9	6.0	13.8	37.3	53.0 − 3.6 = 49.4
1808 "	10 9.4	+29 54	14.7	19.6	7.4	39.2	37.3	48.6 + 1.8 = 50.4
1883 "	10 36.5	+26 58	20.4	7.9	10.2	15.8	37.2	52.3 − 2.4 = 49.9
1793 Leo	10 0.8	+17 21	19.6	24.2	9.8	48.4	27.2	49.2 + 1.3 = 50.5
1884 Leo Minor	10 36.9	+23 49	7.1	7.2	3.6	14.4	27.4	51.3 − 1.9 = 49.4
							37.3	50.1

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I.

Plate 1088.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
1844 Ursa Major	10h 22m.9	+56° 36′	2.0	14.1	1.0	28.2	57.6	51.1 − 1.2 = 49.9
1785 "	9 56.6	+54 28	6.0	21.7	3.0	43.4	57.5	100.0 + 8.4 = 108.4
1838 "	10 20.7	+49 27	16.1	14.7	8.0	29.4	57.4	50.1 − 0.3 = 49.8
1882 "	10 36.5	+46 56	21.0	9.2	10.5	18.4	57.4	54.9 − 5.4 = 49.5
1840 Leo Minor	10 20.9 (20.4)	+37 19 (47.3)	20.4	14.5	10.2	29.0	47.5	49.9 − 0.3 = 49.6
1810 Ursa Major	10 9.9 (12.4)	+43 31 (33.4)	8.2	18.5	4.1	37.0	47.6	46.9 + 2.7 = 49.6
							57.5	109.5

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I.

Plate 1123.

R.P.		R.A.	Dec.	V	H	V/2	H×2	Dec.+V/2	R.A.+(H×2)
1886	Leo Minor	10h 39m.2	+31° 19'	2.5	15.4	1.2	30.8	32.5	70.0 + 0.2 = 70.2
1883	"	10 36.5	+26 58	11.0	16.5	5.5	33.0	32.5	69.5 + 0.5 = 70.0
1884	"	10 36.9	+23 49	17.4	16.3	8.7	32.6	32.5	69.5 + 0.5 = 70.0
1925	Leo	10 55.9 (48.1)	+20 49 (25.3)	22.9	7.5	11.4	15.0	32.2	70.9 − 1.5 = 69.4
1908	"	10 49.1 (54.5)	+25 23 (30.8)	14.2	10.9	7.1	21.8	32.5	70.9 − 1.2 = 69.7
1925	"	10 55.9	+20 49	3.2	7.7	1.6	15.4	22.4	71.3 − 1.5 = 69.8
								32.4	69.8

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I.

Plate 1124.

H.P.	R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
1919 Ursa Major	11h 54.1m	+39° 51′	15.6	9.4	2.8	18.8	42.6	72.9 − 3.9 = 69.0
1840 Leo Minor	10 20.9	+37 19	10.6	22.3	5.3	44.6	42.6	65.5 + 4.7 = 70.2
1902 "	10 46.6	+34 52	15.6	12.1	7.8	24.2	42.7	70.8 − 1.5 = 69.3
1886 "	10 39.2	+31 19	22.4	15.1	11.2	30.2	42.5	69.4 + 0 = 69.4
1857 Ursa Major	10 26.2 (29.2)	+41 3 (31.1)	23.0	19.8	11.5	39.6	52.5	65.8 + 3.5 = 69.3
1882 "	10 36.5 (37.9)	+46 56 (36.7)	11.8	15.8	5.9	31.6	52.8	68.1 + 0.9 = 69.0
							52.6	69.4

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Y.

Plate 1281.

H.P.	R.A.	Dec.	r	H	r/2	H×r.	Dec.+r/2.	R.A.+(H×r).
1886 Leo Minor	10 39.2	+31 19′	2.3	15.9	1.2	31.8	32.5	71.0 + 0.5 = 71.5
1883 " "	10 36.5	+26 58	11.0	17.3	5.5	34.6	32.5	71.1 + 0.7 = 71.8
1908 Leo	10 49.1	+25 24	14.0	11.6	7.0	23.2	32.4	72.3 − 0.9 = 71.4
1884 Leo Minor	10 36.9	+23 49	17.0	17.1	8.5	34.2	32.3	71.1 + 0.6 = 71.7
1925 Leo	10 55.9	+20 49	3.0	8.3	1.5	16.6	22.3	72.5 − 1.3 = 71.2
1856 "	10 25.8	+14 45	15.0	22.7	7.5	45.4	22.3	71.2 + 0.9 = 72.1
1892 "	10 42.9	+11 11	22.0	14.5	11.0	29.0	22.2	71.9 − 0 = 71.9
							32.4	71.5

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I.

Plate 1295

DM.	R.A.	Dec.	r	n	$\frac{r}{2}$	n×z.	Dec.+$\frac{r}{2}$.	R.A.+(n×z).
2259	9 59.2	+ 6° 20′	29	15.6	1.4	31.2	7.7	90.4
2352	10 13.5	+ 3 1	9.2	8.7	4.6	17.4	7.6	30.9
2615	10 0.5	+ 0 20	14.8	15.0	7.4	30.0	7.7	30.5
2280	9 44.7	+ 3 8	9.1	22.8	4.6	45.6	7.7	90.3
2301	10 5.3	+ 5 20	4.8	12.8	2.4	25.6	7.7	30.9
2794	9 43.9	− 3 34	22.0	23.2	11.0	46.4	17.4	90.3
							7.6	90.6

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I.

Plate 1299.

DM.	R.A.	Dec.	r	H	$\frac{r}{2}$	H+z.	Dec.+$\frac{r}{2}$.	R.A.+(H+z).
2207	9 30.9	+ 5 18	6.0	19.2	2.5	38.4	7.8	69.3
2276	9 62.2	+ 4 4	7.3	8.5	3.6	17.0	7.7	69.2
2246	9 38.9	+ 2 27	10.6	15.2	5.3	30.4	7.7	69.3
2211	9 24.6	− 0 32	16.5	22.3	8.2	44.6	17.7	69.2
2901	9 21.8	− 2 7	19.5	23.7	9.8	47.4	17.7	69.2
2269	9 49.3	+ 4 56	5.6	10.0	2.8	20.0	7.7	69.3
							7.7	69.2

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I.

Plate 1348.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H+z.	Dec.+$\frac{v}{2}$	R.A.+(H+z).
2348	11h 16.4m	+11° 19′	2.8	7.6	1.4	15.2	12.7	31.6
2437	11 13.7	+ 6 49	11.8	8.9	5.9	17.8	12.7	31.5
2407	10 53.1	+ 4 24	16.5	18.9	8.2	37.8	12.6	90.9
2495	10 44.8 (76.4)	+ 1 47 (2,12)	21.4	23.1	10.7	46.2	12.5	91.0
2418	11 16.6 (52.4)	+ 2 17 (10,6)	20.8	7.4	10.4	14.8	12.6	31.4
2230	10 52.0	+10 42	4.0	19.4	2.0	38.8	12.7	90.8
							12.6	91.2

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I.

Plate 1296.

DM.	R.A.	Dec.	r	H	r/2	H+z.	Dec.+r/2.	R.A.+(H+z).
2437	11 13.7	+ 6 49	1.9	18.6	1.0	37.2	7.8	50.9
2539	11 35.0	+ 3 10	9.1	8.3	4.6	16.6	7.8	51.6
2761	11 6.4	+ 0 44	13.8	22.3	6.9	44.6	7.6	51.0
2521	11 17.6	− 1 24	18.0	16.8	9.0	33.6	17.6	51.2
3315	11 9.3	− 2 51	20.9	20.9	10.4	41.8	17.6	51.1
2521	11 27.0	+ 3 53	7.8	12.3	3.9	24.6	7.8	51.6
							7.7	51.2

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I.

Plate 1306.

DM.	R.A.	Dec.	V	H	$\frac{V}{2}$	H×2.	Dec.+$\frac{V}{2}$	R.A.+(H×2).
2350	12h 11.2m	+31° 4′	3.0	10.6	1.5	21.2	32.6	32.4 - 1.8 = 30.6
2288	12 19.7	+29 5	6.9	6.8	3.4	13.6	32.5	33.3 - 3.1 = 30.2
2437	11 56.8	+22 15	20.4	16.9	10.2	33.8	32.4	90.6 + 0.5 = 91.1
2358	11 40.5	+21 2	22.3	24.6	11.2	49.2	32.2	89.7 + 1.9 = 91.6
2398	12 4.8 (64.1)	+21 22 (21.3)	22.2	13.4	11.1	26.8	32.5	31.6 - 0.3 = 31.3
2084	12 3.4 (63.9)	+28 6 (27.9)	9.0	14.0	4.5	28.0	32.6	31.4 - 0.3 = 31.1
							32.5	91.0

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I

Plate 1349.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2)
2350	12h 11.2	+31 4′	3.5	18.7	1.8	37.4	32.9	48.6 + 1.7 = 50.3
2153	12 42.3	+28 20	~~11.5~~ 8.6	~~7.9~~ 5.3	~~5.8~~ 4.3	~~15.8~~ 10.6	32.6	52.9 − 3.6 = 49.3
2084	12 3.4	+28 6	~~12.0~~ 9.1	~~21.9~~ 22.2	~~6.0~~ 4.6	~~43.8~~ 44.4	32.7	47.8 + 2.4 = 50.2
2424	12 22.4	+21 42	21.9	14.0	11.0	28.0	32.7	50.4 − 0.3 = 50.1
2475	12 ~~27.6~~ 26.6	+23 ~~26~~ 23.4	18.6	11.7	9.3	23.4	32.7	51.0 − 0.9 = 50.1
2326	12 11.7	+26 ~~49~~ 12.8	11.9	18.6	6.0	~~37.2~~ 26.7	32.8	48.9 + 1.2 = 50.1
							32.7	50.0

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I.

Plate 1300.

Dm.	R.A.	Dec.	V	H	V/2	H×2.	Dec.+V/2.	R.A.+(H×2).
2328	10h 18.6	+ 4° 40′	6.3	15.5	3.2	31.0	7.9	49.6
2352	10 13.5	+ 3 1	9.4	18.1	4.7	36.2	7.7	49.5
2663	10 22.9	+ 0 6	15.4	13.5	7.7	27.0	7.8	49.9
2395	10 22.1	− 1 60	19.4	13.9	9.7	27.8	17.7	49.9
2375	10 35.2 (16.0)	+ 4 20 (6.8)	6.8	7.3	3.4	14.6	7.7	49.8
2911	10 16.1	− 3 21	21.9	16.9	11.0	33.8	17.6	49.9
							7.7	49.8

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A.

Plate 1379.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H+z.	Dec.+$\frac{v}{2}$.	R.A.+(H+z).
2660	12h 39.7m	+6° 46′	2.0	15.0	1.0	30.0	7.8	69.7
2702	12 53.8	+5 8	5.0	8.0	2.5	16.0	7.6	69.8
2552	12 23.8	+2 8	11.0	22.9	5.5	45.8	7.6	69.6
2699	12 29.7	−1 32	18.3	19.9	9.2	39.8	17.7	69.5
3384	12 52.2	−3 2	21.2	8.7	10.6	17.4	17.6	69.6
2631	12 20.9	+5 12	5.0	24.3	2.5	48.6	7.7	69.5
							7.7	69.6

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A.

Plate 1307.

DM.	R.A.	Dec.	r	H	r/2	H+z.	Dec. + r/2	R.A. + (H+z).
2529	12h 55.0m	+11° 44′	1.8	17.3	0.9	34.6	12.6	89.6
2531	13 9.6	+10 11	4.8	10.3	2.4	20.6	12.6	30.2
2669	12 48.3	+4 11	16.6	20.7	8.3	41.4	12.5	89.7
2789	12 59.9	+1 21	22.0	15.0	11.0	30.0	12.4	89.9
2664	13 14.3	+2 51	19.3	7.8	9.6	15.6	12.4	29.9
2696	12 49.9	+9 4	7.0	19.8	3.5	39.6	12.6	69.5
							12.5	89.8

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G.

Plate 1385.

H.P.	R.A.	Dec.	V	H	$\frac{V}{2}$	H×2.	Dec.+$\frac{V}{2}$.	R.A.+(H×2).
1969 Leo.	11 17.7	+ 11 11	3.0	16.4	1.5	32.8	12.7	50.5
2019 Virgo	11 39.7	+ 7 12	10.9	5.7	5.4	11.4	12.6	51.1
1978 Leo	11 21.8	+ 3 31	18.2	14.6	9.1	29.2	12.6	51.0
1958 "	11 11.1	+ 2 41	19.8	19.8	9.9	39.6	12.6	50.7
1991 Hydra	11 26.3 (25.2, 7.4)	− 28 36 (1.6, 10.5)	22.0	12.8	11.0	25.6	12.4	51.9
1948 Leo	11 7.6	+ 0 36	4.0	21.7	2.1	43.4	2.7	51.0
							12.6	51.0

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G.

Plate 1217.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×v.	Dec.+$\frac{v}{2}$.	R.A.+(H×v)
1965 Leo	11 14.9	+ 6 41	11.5	19.1	5.8	38.2	12.5	53.1
1969 "	11 17.7	+ 11 11	2.6	17.7	1.3	35.4	12.5	53.1
							12.5	53.1

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G.

Plate 1325.

H.P.		R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2)
2292	Virgo	13 28.1	+ 4° 16′	6.6	21.6	3.3	43.2	7.6	71.3
2373	"	13 55.5	+ 2 8	10.7	8.0	5.4	16.0	7.5	71.5
2294	"	13 28.6	+ 0 1	14.9	21.4	7.4	42.8	7.4	71.4
2358	"	13 48.5	− 0 55	16.7	11.5	8.4	23.0	17.3	71.5
2343	Bootes	13 43.7	+ 16 24	2.3	13.9	1.2	27.6	17.6	71.3
Not in H.P.				16.0	7.0	8.0	14.0	—	—
								17.5	71.4

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G.

Plate 1244.

H.P.		R.A.	Dec.	ϒ	H	$\frac{\Upsilon}{2}$	H×2.	Dec.+$\frac{\Upsilon}{2}$.	R.A.+(H×2).
2372	Bootes	13 55.4	+ 9 29	6.3	18.5	3.2	37.0	12.7	92.4
2420	"	14 17.5	+ 9 0	7.1	7.6	3.6	15.2	12.6	32.7
2388	Virgo	14 6.2	+ 2 58	19.0	13.1	9.5	26.2	12.5	32.4
2373	"	13 55.5	+ 2 8	20.7	18.3	10.4	36.6	12.5	92.1
3785	Hydra	13 59.5	− 26 6	17.1	16.3	8.6	32.6	12.5	92.1
2408	Virgo	14 12.6	− 12 49	10.8	10.2	5.4	20.4	12.6	33.0
Not in H.P.				8.4	12.0	4.2	24.0		
								12.6	92.4

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G

Plate 1185.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H+2.	Dec.+$\frac{v}{2}$.	R.A.+(H+2).
		h m	° ′						
2452	Bootes	14 35.4	+14 15	7.1	7.5	3.6	15.0	17.8	50.4
2392	"	14 8.3	+13 31	8.6	20.6	4.3	41.2	17.8	49.5
2454	"	14 35.8	+ 8 41	18.0	7.2	9.0	14.4	17.7	50.2
2423	"	14 18.2	+ 6 22	22.6	15.9	11.3	31.4	17.7	49.6
2423	"	14 18.2	+ 6 22	3.0	15.9	1.5	31.8	7.9	50.0
2408	Virgo	14 12.6	−12 49	21.0	18.6	10.5	37.2	17.7	49.8
								17.8	49.9

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G.

Plate 1327.

H.P.	R.A. h m	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2454 Bootes	14 35.8	+ 8° 41′	7.7	17.6	3.8	35.2	12.5	71.0
2512 Virgo	14 56.8	+ 2 34	19.6	7.2	9.8	14.4	12.4	71.2
2468 "	14 40.2	+ 2 24	20.0	15.5	10.0	31.0	12.4	71.2
2430 "	14 23.7	+ 1 22	21.8	23.7	10.9	47.4	12.3	71.1
2483 Libra	14 44.8	− 1 48	8.8	13.3	4.4	26.6	12.6	71.4
2465 Virgo	14 39.4	+ 1 13	2.9	15.9	1.4	31.8	2.6	71.2
							12.5	71.2

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G.

Plate 1189.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H×z.	Dec.+$\frac{V}{2}$	R.A.+(H×z).
2535	Serpens	15 9.2	+ 5 23	4.7	10.0	2.4	20.0	7.4	29.2
2544	"	15 13.2	+ 2 13	11.0	8.0	5.5	16.0	7.7	29.2
2501	Libra	14 51.4	+ 0 19	14.7	18.8	7.4	37.6	7.7	89.0
2483	"	14 44.8	- 1 48	18.8	22.1	9.4	44.2	17.6	89.0
2474	"	14 42.7	- 13 39	22.4	23.0	11.2	46.0	17.6	88.9
2547	"	15 14.3	- 15 7	6.2	7.3	3.1	14.6	8.0	28.9
								7.7	89.0

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G.

Plate 1248.

H.P.		R.A. h m	Dec. ° ′	v	H	$\frac{x}{2}$	H×x.	Dec.+$\frac{x}{2}$.	R.A.+(H×x).
2590	Serpens	15 29.1	+10 57	3.1	11.4	1.6	22.8	12.6	51.9
2627	"	15 38.4	+ 6 48	11.4	6.7	5.7	13.4	12.5	51.8
2535	"	15 9.2	+ 5 23	14.0	21.1	7.0	42.2	12.4	51.4
2544	"	15 13.2	+ 2 13	20.3	19.1	10.2	38.2	12.4	51.4
2539	Libra	15 10.5 (10.2)	− 8 56 (11.1)	2.8	20.7	1.4	41.4	2.5	51.9
2587	"	15 27.9 (27.6)	− 8 47 (1.4)	22.2	12.0	11.1	24.0	12.3	51.9
								12.4	51.7

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G.

Plate 1353

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2666	Serpens	15h 50.9m	+ 16° 3′	3.1	9.7	1.6	19.4	17.6	70.3
2632	"	15 40.6	+ 15 48	3.8	14.7	1.9	29.4	17.7	70.0
2590	"	15 29.1	+ 10 57	13.4	20.3	6.7	40.6	17.7	69.7
2627	"	15 38.4 (56.6)	+ 6 48 (10.5)	21.5	15.7	10.8	31.4	17.6	69.8
2690	Scorpius	15 58.5 (27.8)	− 19 29 (11.2)	14.2	6.7	7.1	13.4	7.6	71.9
2587	Libra	15 27.9	− 8 47	12.8	21.1	6.4	42.2	7.6	70.1
								17.6	70.3

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G.

Plate 1391.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H×z.	Dec.+$\frac{V}{2}$.	R.A.+(H×z).
2757	Hercules	16h 19.9m	+14° 19′	6.9	16.0	3.4	32.0	17.7	51.9
2801	"	16 35.3	+12 39	10.1	8.7	5.0	17.4	17.6	52.7
2754	"	16 18.4	+ 7 13	20.7	16.9	10.4	33.8	17.6	52.2
2788	Ophiuchus	16 29.9 30.6	−10 9.6 19	16.0	11.2	8.0	22.4	17.7	53.0
2714	Scorpius	16 5.7 5.0	−19 10.8 9	13.6	23.3	6.8	46.6	7.6	51.6
2736	Ophiuchus	16 11.9 12.0	− 4 15.5 24	4.2	20.2	2.1	40.4	7.7	52.4
								17.6	52.3

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G.

Plate 1392.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.(H×2).
2879	Hercules	17 ^{h} 9.2 ^{m}	+ 14 ° 32 ′	6.3	11.2	3.2	22.4	17.7	31.6
2891	Ophiuchus	17 13.0	+ 11 0	13.2	9.3	6.6	18.6	17.6	31.6
2838	"	16 52.0	+ 9 34	16.2	19.5	8.1	39.0	17.7	91.0
2824	Hercules	16 44.5	+ 7 28	20.0	23.3	10.0	46.6	17.5	91.1
2888	Ophiuchus	17 12.6	− 2 41	20.6	8.9	10.3	17.8	17.6	30.4
2868	"	17 3.5	− 15 34	6.6	14.1	3.3	28.2	7.7	31.7
								17.6	91.2

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1.

Plate 1136. +1377

H.P.	R.A. h m	Dec. ° ′	v	H	v/2	H×2	Dec.+v/2	R.A.+(H×2).
1902 Leo Minor	10 46.6	+ 34 52	5.3	20.4	2.6	40.8	37.5	87.4 + 2.7 = 90.1
1959 Ursa Major	11 11.8	+ 32 12	10.6	10.1	5.3	20.2	37.5	32.0 − 2.3 = 29.7
1886 Leo Minor	10 39.2	+ 31 19	12.0	23.9	6.0	47.8	37.3	87.0 + 4.1 = 91.1
1908 Leo	10 49.1	+ 25 23	4.3	20.0	2.2	40.0	27.6	89.1 + 1.3 = 90.4
1949 "	11 7.7	+ 21 11	12.8	11.6	6.4	23.2	27.6	30.9 − 0.7 = 30.2
1951 "	11 7.9	+ 16 5	22.6	11.5	11.3	23.0	27.4	30.9 − 0.5 = 30.4
							37.5	90.3

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1887phae.proj..839f

L

Plate 1178.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H × 2.	Dec. + $\frac{v}{2}$.	R.A. + (H × 2).
1902 Leo Minor	10 46.6	+ 34 52	5.5	20.3	2.8	40.6	37.7	87.2 + 2.7 = 89.9
1959 Ursa Major	11 11.8	+ 32 12	10.8	10.0	5.4	20.0	37.6	31.8 − 2.3 = 29.5
1886 Leo Minor	10 39.2	+ 31 19	12.2	23.8	6.1	47.6	37.4	86.8 + 3.9 = 90.7
1908 Leo	10 49.1	+ 25 23	4.5	19.9	2.2	39.8	27.6	88.9 + 1.3 = 90.2
1949 "	11 7.7	+ 21 11	12.9	11.5	6.4	23.0	27.6	30.7 − 0.7 = 30.0
1951 "	11 7.9	+ 16 5	22.8	11.3	11.4	22.6	27.5	30.5 − 0.5 = 30.0
							37.6	90.0

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L.

Plate 1075.

H.P.		R.A.	Dec.	v	H	v/2	H+z.	Dec.+v/2.	R.A.+(H×z).
2022	Leo	11h 41.8m	+20° 53′	2.4	5.6	1.2	11.2	22.1	53.0 − 1.8 = 51.2
1998	"	11 28.5	+17 27	9.4	11.8	4.7	23.6	22.1	52.1 − 0.6 = 51.5
1951	"	11 7.9	+16 6	12.0	21.6	6.0	43.2	22.1	51.1 + 1.1 = 52.2
1969	"	11 17.7	+11 11	21.7	17.0	10.8	34.0	22.0	51.7 + 0.1 = 51.8
1949	"	11 7.7	+21 11	2.0	21.4	1.0	42.8	22.2	50.5 + 1.3 = 51.8
2010	"	11 34.6	+22 1	20.1	9.0	10.0	18.0	22.0	52.6 − 1.3 = 51.3
								22.1	51.6

Book 16.

From page 73 (inclusive) the correction applied to the plates is

L. single correction.

L′ 1.50 correction

L. single correction. + 20°

" north of +30° 1.50 correction

G. single correction for exposures at −20° & −25°

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4.

Plate 1075.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H+z.	Dec.+$\frac{v}{2}$.	R.A.+(H×z).
2022	Leo	11 h 41.8 m	+ 20° 53′	21.4	5.6	1.2	11.2	22.1	53.0 − 1.8 = 51.2
1998	"	11 28.5	+ 17 27	9.4	11.8	4.7	23.6	22.1	52.1 − 0.6 = 51.5
1951	"	11 7.9	+ 16 6	12.0	21.6	6.0	43.2	22.1	51.1 + 1.1 = 52.2
1969	"	11 17.7	+ 11 11	21.7	17.0	10.8	34.0	22.0	51.7 + 0.1 = 51.8
1949	"	11 7.7	+ 21 11	21.0	21.4	1.0	42.8	22.2	50.5 + 1.3 = 51.8
2010	"	11 34.6	+ 22 1	20.1	9.0	10.0	18.0	22.0	52.6 − 1.3 = 51.3
								22.1	51.6

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4

Plate 1076.

H.P.	R.A. h m	Dec. ° ′	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2004 Ursa Major	11 31.4	+51 18	24	11.7	1.2	23.4	52.5	54.8 − 3.6 = 51.2
2018 " "	11 39.7	+48 27	8.0	8.8	4.0	17.6	52.4	57.3 − 6.0 = 51.3
1941 " "	11 2.9	+45 9	14.4	21.3	7.2	42.6	52.4	45.5 + 5.5 = 51.0
1967 " "	11 16.3	+44 9	16.6	16.7	8.3	32.4	52.5	48.7 + 1.1 = 49.8
1959 " "	11 11.8	+32 12	20.0	19.1	10.0	38.2	42.2	50.0 + 1.8 = 51.8
1980 " "	11 22.6	+40 0	4.7	14.5	2.4	29.0	42.4	51.6 − 0.3 = 51.3
							52.4	51.1

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J.

Plate 1125.

H.P.	R.A.	Dec.	v	H	$\frac{v}{z}$	H×z.	Dec.+$\frac{v}{z}$.	R.A.+(H×z).
2027	Ursa Majoris	11h 33m.3	+35° 36′	H.z	13.8	2.1	27.6	37.7	70.9 − 0.4 = 70.5
2013	"	"	11 35.4	+32 25	10.4	17.2	5.2	34.4	37.6	69.8 + 0.7 = 70.5
2001	Leo	11 30.0	+28 26	18.3	19.7	9.2	39.4	37.6	69.4 + 1.1 = 70.5
2041	"	11 49.5	+16 20	22.4	10.9	11.2	21.8	27.5	71.3 − 0.4 = 70.9
2011	Ursa Majoris	11 34.8	+34 53	V.5	17.3	2.8	34.6	37.7	69.4 + 0.8 = 70.2
								37.6	70.5

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4

Plate 1126.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2005 Ursa Majoris	11h 32m.0	+44° 17′	6.6	18.1	3.3	36.2	47.6	68.2 + 2.5 = 70.7
2054 " "	11 56.0	+43 43	7.6	9.4	3.8	18.8	47.5	74.8 − 4.8 = 70.0
1980 " "	11 22.6	+40 0	14.8	21.9	7.4	43.8	47.4	66.4 + 4.9 = 71.1
2018 " "	11 39.7 (40.4 44.8)	+48 27 (38.4 44.3)	18.2	15.1	9.1	30.2	57.5	69.9 + 0.1 = 70.0
2036 " "	11 47.5	+54 22	6.5	12.9	3.2	25.8	57.6	73.3 − 1.9 = 71.4
							57.5	70.5

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Y.

Plate 1179.

H.P.		R.A.	Dec.	v	H	v/2	H×z.	Dec.+v/2.	R.A.+(H×z).
2027	Ursa Major	11h 43.3m	+35° 36′	3.6	14.2	1.8	28.4	37.4	71.7 − 0.2 = 71.5
2048	"	11 53.1	+33 50	7.0	10.2	3.5	20.4	37.3	73.5 − 1.6 = 71.9
2001	Leo	11 30.0	+28 26	17.8	20.0	8.9	40.0	37.3	70.0 + 1.2 = 71.2
2041	"	11 49.5	+16 20	21.8	11.2	10.9	22.4	27.2	71.9 − 0.3 = 71.6
1998	"	11 28.5	+17 27	19.5	21.2	9.8	42.4	27.2	70.9 + 0.7 = 71.6
2055	Coma Beren.	11 58.6	+22 7	10.3	7.4	5.2	14.8	27.3	73.4 − 1.2 = 72.2
								37.3	71.4

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4

Plate 1180.

H.P.		R.A.	Dec.	v	#	$\frac{v}{n}$	#×z.	Dec.+$\frac{v}{n}$.	R.A.+(#×z).
2005	Ursa Majr	11h 32.0m	+44° 17′	6.4	18.2	3.2	36.4	47.5	68.4 + 2.5 = 70.9
2054	"	"	11 56.0	+43 43	7.5	9.6	3.8	19.2	47.5	75.2 − 4.5 = 70.7
2046	"	"	11 51.0	+41 0	12.8	11.3	6.4	22.6	47.4	73.6 − 2.7 = 70.9
1980	"	"	11 22.6	+40 0	14.6	22.1	7.3	44.2	47.3	66.8 + 5.1 = 71.9
2007	"	"	11 32.0 (35.3 / 45.0)	+47 30 (37.6 / 44.2)	19.6	17.9	9.8	35.8	57.3	67.8 + 2.5 = 70.3
2036	"	"	11 47.5	+54 22	6.4	13.0	3.2	26.0	57.6	73.5 − 2.4 = 71.1
								57.4	71.0

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G.

Plate 1357.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2891	Ophiuchus	17h 13m.0	+11° 0′	3.2	18.8	1.6	37.6	12.6	50.6
2920	"	17 20.5	+ 7 42	9.7	15.1	4.8	30.2	12.5	50.7
2921	"	17 20.6	+ 4 15	16.6	15.1	8.3	30.2	12.5	50.8
2949	"	17 31.3 (30.7)	− 8 3 (12.0)	21.0	10.0	10.5	20.0	12.5	51.3
2868	"	17 3.5 (3.9) (22.1)	− 15 34 (4.3) (10.3)	16.4	23.4	8.2	46.8	12.6	50.3
2925	"	17 22.7	+ 0 27	4.4	14.3	2.2	28.6	12.6	51.3
								12.6	50.8

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G

Plate 137b

H.P.	R.A.	Dec.	v	H	v/2	H×z.	Dec.+v/2.	R.A.+(H×z).
3014 Ophiuchus	17h 54.3m	+ 4° 23′	6.5	7.5	3.2	15.0	7.6	69.3
2962 "	17 37.5	+ 4 37	6.2	15.7	3.1	31.4	7.7	68.9
2979 "	17 41.9	+ 2 45	9.8	13.7	4.9	27.4	7.7	69.3
2925 "	17 22.7	+ 0 27	14.2	23.1	7.1	46.2	7.5	68.9
2956 Serpens	17 34.7 (34.7)	− 12 49 (7.2)	20.8	17.2	10.4	34.4	17.6	69.1
3013 "	17 54.2 (53.7)	− 3 41 (16.3)	2.6	7.7	1.3	15.4	7.6	69.6
							17.6	69.0

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G.

Plate 1382.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H × z.	Dec. + $\frac{v}{2}$.	R.A. + (H × z).
3045	Ophiuchus	18h 1.7m	+ 9° 33′	6.0	13.4	3.0	26.8	12.6	28.5
2979	"	17 41.9	+ 2 45	19.4	23.2	9.7	46.4	12.5	88.4
3023	"	17 55.7	+ 1 18	22.1	16.3	11.0	32.6	12.3	88.3
3089	"	18 15.0	+ 3 20	18.2	6.8	9.1	13.6	12.4	28.6
3090	Serpens	18 74.8 15.1	− 2 56	10.8	6.8	5.4	13.6	12.5	28.7
3005	Ophiuchus	17 52.4 52.4	− 9 45	4.8	18.0	2.4	36.0	2.6	88.4
								12.5	88.5

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G.

Plate 1377.

H.P.		R.A.	Dec.	ν	H	$\frac{\nu}{2}$	H×ν.	Dec.+$\frac{\nu}{2}$.	R.A.+(H×ν).
3052	Ophiuchus	18 3.6	+3 58′	7.1	23.3	3.6	46.6	7.6	50.2
3089	"	18 15.0	+3 20	8.6	17.7	4.3	35.4	7.6	50.4
3158	Aquila	18 38.8	+1 56	11.0	5.8	5.5	11.6	7.4	50.4
3143	Serpens	18 31.4	−0 25	15.8	9.5	7.9	19.0	17.5	50.4
3090	"	18 15.1 (15.2 / 22.0)	−2 56 (7.1 / 15.3)	20.8	17.6	10.4	35.2	17.5	50.3
3119	Sextans	18 22.4	−14 38	4.3	14.2	2.2	28.4	7.6	50.8
								17.5	50.4

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I.

Plate 1386.

DM.	R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2).
24270	12h 39.9m	+16° 24′	3.0	15.0	1.5	30.0	17.9	69.9
25229	12 55.0	+11 44	12.3	7.8	6.2	15.6	17.9	70.6
24473	12 25.7	+11 5	13.4	22.0	6.7	44.0	17.8	69.7
26660	12 39.7	+6 46	21.9	15.1	11.0	30.2	17.8	69.9
26488	12 29.8 (30.0)	+9 36 (9.6)	16.5	20.0	8.2	40.0	17.8	69.8
26022	12 46.6 (40.7)	+13 12 (13.1)	9.4	11.9	4.7	23.8	17.9	70.4
							17.8	69.9

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S.

Plate 1387.

DM	R.A.	Dec.	ν	H	ν/2	H×z.	Dec.+ν/2.	R.A.+(H×z).
	h m	° ′						
2750	13 22.7	+ 6 46	2.0	13.0	1.0	26.0	7.8	48.7
2775	13 35.8	+ 4 17	6.9	6.4	3.4	12.8	7.7	48.6
3040	13 10.1	+ 0 5	15.4	19.1	7.7	38.2	7.8	48.3
2686	13 18.8	− 0 27	16.4	14.8	8.2	29.6	17.8	48.4
3462	13 16.9	− 3 33	22.3	15.6	11.2	31.2	17.6	48.1
2756	13 25.9	+ 6 36	2.4	11.4	1.2	22.8	17.8	48.7
							7.8	48.5

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I.

Plate 1298.

DM.	R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2).
2621	13 21.3	+ 14 34	6.4	14.8	3.2	29.6	17.8	60.9
2565	13 5.4	+ 12 20	10.6	22.3	5.3	44.6	17.6	60.0
2589	13 32.4	+ 11 29	12.4	9.4	6.2	18.8	17.7	61.2
2750	13 22.7	+ 6 46	21.6	14.1	10.8	28.2	17.6	60.9
2798	13 35.1 (34.8, 21.2)	+ 9 7 (9.2)	17.0	8.0	8.5	16.0	17.6	61.1
2513	13 21.4	+ 16 28 (16.5)	2.5	14.8	1.2	29.6	17.7	61.0
							17.7	60.8

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A

Plate 1337.

DM.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2589	13 32.4	+ 11 29	2.3	19.2	1.2	38.4	12.7	70.8
2835	13 54.2	+ 9 36	6.0	8.7	3.0	17.4	12.6	71.6
2764	13 26.8	+ 4 24	16.2	22.1	8.1	44.2	12.5	71.0
2761	13 54.3	+ 2 15	20.5	8.6	10.2	17.2	12.4	71.5
2865	13 49.1 (48.8)	+ 1 46 (1.9)	21.4	11.2	10.7	22.4	12.5	71.5
2798	13 35.1 (35.4)	+ 9 7 (9.1)	7.0	17.9	3.5	35.8	12.6	70.9
							12.6	71.2

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A.

Plate 1350.

DM.	R.A.	Dec.	V	H	V/2	H×z.	Dec + V/2	RA + (H×z).
2858	13h 33.7m	+ 20° 41′	4.3	18.0	2.2	36.0	22.9	69.7
2813	13 54.7	+ 18 23	10.5	8.3	5.2	16.6	22.6	71.3
2621	13 21.3	+ 14 34	16.2	24.1	8.1	48.2	22.7	69.5
2589	13 32.4	+ 11 29	22.2	18.8	11.1	37.6	22.6	70.0
2635	13 45.7 (41.1)	+ 12 53 (12.9 / 18.1)	19.6	12.7	9.8	25.4	22.7	70.6
2782	13 40.4	+ 18 11	9.2	15.0	4.6	30.0	22.8	70.4
							22.7	70.2

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J.

Plate 1137.

H.P.		R.A. h m	Dec. ° ′	V	H × ½ V	H × V.	Dec. + ½ V.	R.A. + (H × V).
1941	Ursa Majoris	11 2.9	+ 45 9	5.0	13.9	2.5	27.8	47.7	30.7 − 1.1 = 29.6
1903	" "	10 47.1	+ 43 50	7.4	19.5	3.7	39.0	47.5	86.1 + 3.7 = 89.8
1980	" "	11 22.6	+ 40 0	14.7	6.3	7.4	12.6	47.4	35.2 − 6.1 = 29.1
1962	" "	11 12.6 (44.0)	+ 38 51 (37.1)	17.3	10.1	8.6	20.2	47.4	32.8 − 3.1 = 29.7
1882	" "	10 36.5 (35.6)	+ 46 56 (43.4)	20.7	22.6	10.4	45.6	57.3	82.1 + 7.3 = 89.4
1953	" "	11 9.1	+ 53 26	8.2	12.0	4.1	24.0	57.5	33.1 − 3.6 = 29.5
								57.5	89.5

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4.

Plate 1077.

H.P.	R.A.	Dec.	r	H	$\frac{H}{2}$	H x 2.	Dec. + $\frac{H}{2}$	R.A. + (H x 2)
2110 Coma Berew	12 21.0	+28 56	6.6	6.9	3.3	13.8	32.2	34.8 - 2.0 = 32.8
2065 " "	12 4.7	+27 57	8.8	14.1	4.4	28.2	32.4	32.9 - 0.2 = 32.7
2025 Leo	11 42.9	+15 15	14.0	24.5	7.0	49.0	22.2	91.9 + 0.8 = 92.7
2069 Coma Berew.	12 6.1	+21 13	21.9	13.4	11.0	26.8	32.2	32.9 - 0.2 = 32.7
Not in H.P.	72.3 50.3	23.7 26.2	17.0	10.2	8.5	20.4	—	— —
2041 Leo	11 49.5	+16 20	12.0	21.2	6.0	42.4	22.3	91.9 + 0.6 = 92.5
							32.3	92.6

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4.

Plate 1078.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$	R.A.+(H×2).
2108 Canes Venat.	12h 19.9m	+ 39° 41′	5.6	8.2	2.8	16.4	42.5	36.3 − 4.8 = 31.5
2053 Ursa Major	11 55.5	+ 36 43	11.6	17.8	5.8	35.6	42.5	91.1 + 1.7 = 92.8
2027 " "	11 43.3	+ 35 36	13.5	22.7	6.8	45.4	42.4	88.7 + 4.5 = 93.2
2082 Canes Venat.	12 10.5 (73.6)	+ 33 44 (33.4)	17.5	11.7	8.8	23.4	42.5	33.9 − 1.7 = 32.2
2101 " "	12 17.9 (47.4)	+ 43 12 (38.5)	18.2	9.4	9.1	18.8	52.3	36.7 − 4.7 = 32.0
2018 Ursa Major	11 39.7	+ 48 27	8.0	22.5	4.0	45.0	52.4	84.7 + 7.5 = 92.2
							52.4	92.3

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Y

Plate 1209.

H.P.	R.A.	Dec.	r	H	$\frac{H}{2}$	H×2.	Dec.+$\frac{H}{2}$.	R.A.+(H×2).
2087 Canes Venat.	12 13.8	+49 39′	5.6	11.3	2.8	22.6	52.4	36.4 − 3.9 = 32.5
2018 Ursa Major	11 39.7	+48 27	7.8	22.4	3.9	44.8	52.3	84.5 + 7.3 = 91.8
2053 " "	11 55.5	+43 43	17.3	17.2	8.6	34.4	52.3	89.9 + 1.8 = 91.7
2101 Canes Venat	12 17.9	+43 12	18.0	9.3	9.0	18.6	52.2	36.5 − 4.8 = 31.7
2108 " "	12 19.9 (17.3)	+39 41 (49.6)	5.4	8.3	2.7	16.6	42.4	36.5 − 4.7 = 31.8
2027 Ursa Major	11 43.3 (40.5)	+35 36 (45.6)	13.4	22.7	6.7	45.4	42.3	88.7 + 4.3 = 93.0
							52.3	92.1

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1.

Plate 112 f.

H.P.	R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2).
2132	Canes Venat.	12h 27.8m	+ 33° 55′	7.1	11.6	3.6	23.2	37.5	60.0 − 1.1 = 48.9
2082	"	"	12 10.5	+ 33 44	7.4	18.7	3.7	37.4	37.4	47.9 + 1.2 = 49.1
2098	Comæ Beren.	12 16.5 (16.4)	+ 26 31 (36.4)	21.5	16.4	10.8	32.8	37.3	49.3 + 0.3 = 49.6
2098	"	"	12 16.5 (27.8)	+ 26 31 (29.0)	2.0	16.4	1.0	32.8	27.5	49.3 + 0.3 = 49.6
2137	"	"	12 29.1 (14.2)	+ 19 2 (28.6)	16.8	10.7	8.4	21.4	27.4	60.5 − 0.6 = 49.9
2094	"	"	12 14.7	+ 18 27	17.8	17.5	8.9	35.0	27.3	49.7 + 0.3 = 50.0
									37.4	49.5

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4.

Plate 1128

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H × 2.	Dec. + $\frac{v}{2}$.	R.A. + (H × 2).
2198	Ursa Major	12h 51.0m	+54° 45′	5.2	5.8	2.6	11.6	57.4	62.6 − 11.7 = 50.9
2036	"	"	11 47.5	+54 22	6.0	24.2	3.0	48.4	57.4	95.9 + 11.4 = 107.3
2087	Canes Venat	12 13.8	+49 39	15.8	16.7	7.9	33.4	57.5	47.2 + 1.8 = 49.0
2176	"	"	12 43.2	+49 8	16.6	7.3	8.3	14.6	57.4	57.8 − 7.9 = 49.9
2108	"	"	12 19.9 (79.3, 85.5)	+39 41 (49.4, 51.8)	15.9	15.0	8.0	30.0	47.7	49.9 0 = 49.9
2133	"	"	12 28.0	+42 1	11.3	11.9	5.6	23.8	47.6	51.8 − 2.4 = 49.4
								57.5	109.4

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4.

Plate 1079.

H.P.		R.A.	Dec.	ν	H	$\frac{\nu}{2}$	H×2.	Dec.+$\frac{\nu}{2}$.	R.A.+(H×2).
2204	Coma Beren.	12h 54.5m	+31° 26′	2.0	9.6	1.0	19.2	32.4	73.7 − 1.5 = 72.2
2125	"	" 12 25.0	+25 14	14.1	22.6	7.0	45.2	32.2	70.2 + 1.5 = 71.7
2136	"	" 12 28.9	+23 17	18.0	20.9	9.0	41.8	32.3	70.7 + 0.9 = 71.6
2184	"	" 12 47.4	+21 54	20.8	12.5	10.4	25.0	32.3	72.4 − 0.4 = 72.0
2208	Virgo	12 56.2 (55.5)	+ 11 36 (21.6)	21.4	8.2	10.7	16.4	22.3	72.6 − 0.5 = 72.1
2137	Coma Beren.	12 29.1 (29.7)	+ 19 2 (28.9)	6.8	21.1	3.4	42.2	22.4	71.3 + 0.8 = 72.1
								32.3	72.0

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Y

Plate 1080

H.P.	R.A.	Dec.	V	H	$\frac{V}{2}$	H×2	Dec.+$\frac{V}{2}$	R.A.+(H×2)
2108 bones Venat	12 19.9	+39 41′	4.8	22.9	2.4	45.8	42.1	65.7 + 5.5 = 71.2
2213 " "	13 0.1	+36 26	11.4	7.2	5.7	14.4	42.1	14.5 − 4.8 = 9.7
2132 " "	12 27.8	+33 55	16.4	20.4	8.2	40.8	42.1	68.6 + 2.7 = 71.3
2204 bona Beren.	12 54.5	+31 26	21.2	9.2	10.6	18.4	42.0	72.9 − 2.5 = 70.4
2133 bones Venat.	12 28.0 (31.2 / 29.6)	+42 0 (32.0 / 39.1)	20.2	19.7	10.1	39.4	52.1	67.4 + 3.6 = 71.0
2229 " "	13 4.5	39 8	5.9	5.8	3.0	11.6	42.1	16.1 − 6.3 = 9.8
							52.1	70.6

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I.

Plate 1416.

Dm.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2680	13 40.8	+ 39 18	7.1	15.5	3.6	31.0	42.9	71.8 + 0.2 = 72.0
2436	13 56.1	+ 36 49	11.8	9.5	5.9	19.0	42.7	75.1 - 2.2 = 72.9
2462	13 26.3	+ 35 39	13.9	21.4	7.0	42.8	42.6	69.1 + 2.5 = 71.6
2540	13 39.7	+ 31 36	22.0	16.0	11.0	32.0	42.6	71.7 + 0.3 = 72.0
2658	13 28.0	+ 39 33	6.4	20.4	3.2	40.8	42.8	68.8 + 2.6 = 71.4
2411	13 49.8	+ 32 44	20.0	11.9	10.0	23.8	42.7	73.6 - 1.0 = 72.6
							42.7	72.1

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A

Plate 1410.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2875	14h 17.0m	+ 6° 29′	2.6	7.4	1.3	14.8	7.8	31.8
2865	13 49.1	+ 1 46	12.0	21.2	6.0	42.4	7.8	91.5
2758	13 47.3	− 0 48	17.0	22.1	8.5	44.2	17.7	91.5
2938	14 12.1	− 1 35	18.6	9.9	9.3	19.8	17.7	31.9
3812	14 9.0	− 2 31	20.4	11.4	10.2	22.8	17.7	31.8
2836	13 56.7	+ 5 36	4.5	17.4	2.2	34.6	7.8	91.5
							7.8	91.7

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I.

Plate 1266.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×z.	Dec.+$\frac{v}{2}$.	R.A.+(H×z).
2384	10h 36.8m	+ 5° 31′	5.0	16.9	2.5	33.8	8.0	69.6
2407	10 53.1	+ 4 24	7.1	8.5	3.6	17.0	8.0	70.1
2663	10 22.9	+ 0 6	15.6	23.3	7.8	46.6	7.9	69.5
2471	10 54.4	− 1 42	19.1	7.8	9.6	15.6	17.9	70.0
2999	10 41.9 (41.6)	− 3 16 (6.9)	22.2	14.1	11.1	28.2	17.8	70.1
2328	10 31.2 (31.4)	+ 6 29 (6.6)	2.9	19.2	1.4	38.4	~~7.9~~ 7.7	69.6 ~~69.8~~

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I.

Plate 1380.

Dm.	R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
2564	13 42.5	+16 32	2.4	22.3	1.2	44.6	17.7	87.1
2635	13 45.2	+12 53	9.5	21.1	4.8	42.2	17.7	87.4
2782	14 12.3	+13 41	8.0	8.0	4.0	16.0	17.7	28.3
2875	14 17.0	+ 6 29	22.0	6.6	11.0	11.2	17.5	28.2
2814	13 42.6	+ 9 9	16.8	22.6	8.4	45.2	17.6	87.8
2764	14 7.1	+13 40	8.2	10.5	4.1	21.0	17.8	28.1
							17.7	87.8

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I.

Plate 1318.

DM.	R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2).
2654	14h 7.8m	+ 10° 48'	3.8	20.9	1.9	41.8	12.7	49.6
2903	14 34.5	+ 8 47	7.6	7.8	3.8	15.6	12.6	50.1
2867	14 4.9	+ 3 6	18.8	22.2	9.4	44.4	12.5	49.3
2862	14 38.9	+ 2 30	22.0	5.8	11.0	11.6	12.5	50.5
2941	14 22.7 22.5	+ 1 28 1.6	22.0	13.6	11.0	27.2	12.5	49.7
2882	14 16.3 16.5	+ 9 6 9.0	7.1	16.7	3.6	33.4	12.7	49.7
							12.6	49.8

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I

Plate 1388.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2)
2873	15h 0.9m	+25° 27′	4.6	57	2.3	11.4	27.7	12.3 − 1.9 = 10.4
2715	14 25.9	+22 54	9.8	21.6	4.9	43.2	27.8	69.1 + 1.0 = 70.1
2924	15 0.7	+19 1	17.4	55	8.7	11.0	27.7	11.7 − 1.1 = 10.6
2768	14 33.9	+17 3	21.4	18.1	10.7	36.2	27.7	70.1 + 0.3 = 70.4
2705	14 46.6 (46.2)	+16 17 (16.3)	22.8	12.1	11.4	24.2	27.7	70.8 − 0.2 = 70.6
2804	14 30.4 (31.4)	+25 6 (24.9)	6.5	19.5	2.8	39.0	27.9	69.4 + 0.9 = 70.3
							27.8	70.4

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L

Plate 1364.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×z.	Dec.+$\frac{v}{2}$.	R.A.+(H×z).
2870	14h 44.7m	+19° 43′	6.0	23.0	3.0	46.0	22.7	90.7
2858	15 19.1	+15 56	13.4	6.9	6.7	13.8	22.6	31.7
2796	14 49.4	+15 2	15.1	20.9	7.6	41.8	22.6	91.2
2928	15 15.5	+13 6	19.0	8.5	9.5	17.0	22.6	32.5
2866	14 48.6 (48.7)	+13 0 (13.1)	19.0	21.4	9.5	42.8	22.5	91.4
2755	15 11.9 (70.7)	+21 7 (21.0)	3.1	10.4	1.6	20.8	22.7	31.7
							22.6	91.5

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I.

Plate 137H.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2670	15h 21.9m	+ 29° 36′	5.9	5.4	3.0	10.8	32.6	32.7 − 2.5 = 30.2
2417	14 38.7	+ 27 41	9.8	24.2	4.9	48.4	32.6	87.1 + 2.1 = 89.2
2789	15 7.1	+ 23 32	18.2	11.6	9.1	23.2	32.6	30.3 − 0.6 = 29.7
2764	14 50.5	+ 22 8	20.8	19.2	10.4	38.4	32.5	88.9 + 0.7 = 89.6
2786	14 43.8 (45.5)	+ 24′ 31 (24.6)	16.1	22.1	8.0	44.2	32.5	88.0 + 1.3 = 89.3
2653	15 17.2 (14.7)	+ 30 49 (30.8)	3.6	7.5	1.8	15.0	32.6	32.2 − 2.1 = 30.1
							32.6	89.7

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I.

Plate 1319.

Dm.	R.A.	Dec.	r	H	r/2	H×r.	Dec. + r/2.	R.A. + (H×r).
2797	15h 25m.5	+ 16° 33′	2.0	13.6	1.0	27.2	17.6	52.7
3012	15 42.0	+ 13 10	8.5	5.5	4.2	11.0	17.4	53.0
2804	15 4.8	+ 10 46	13.4	23.5	6.7	47.0	17.5	51.8
3088	15 37.2	+ 6 53	21.0	7.7	10.5	15.4	17.4	52.6
3055	15 23.7 (23.9)	+ 9 9.1 (9.5)	16.8	14.4	8.4	28.8	17.5	52.7
2928	15 15.5 (15.9)	+ 13 13.1 (6)	8.9	18.3	4.4	36.6	17.5	52.1
							17.5	52.5

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I

Plate 14 17.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H × 2.	Dec. + $\frac{v}{2}$.	R.A. + (H × 2)
2840	14 56.5	+ 40 58	3.6	16.5	1.8	33.0	42.8	89.5 + 0.8 = 90.3
2593	14 43.4	+ 38 24	8.5	21.7	4.2	43.4	42.6	86.8 + 3.0 = 89.8
2645	15 20.6	+ 34 51	15.4	6.9	7.7	13.8	42.5	34.4 − 3.0 = 31.4
2531	14 50.0	+ 32 54	19.4	19.4	9.7	38.8	42.6	88.8 + 1.4 = 90.2
2581	15 16.0	+ 33 27	18.3	8.6	9.2	17.2	42.6	33.2 − 2.0 = 31.2
2820	14 54.1	+ 39 51	5.8	17.5	2.9	35.0	42.7	89.1 + 1.1 = 90.2
							42.6	90.5

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I.

Plate 1418.

DM.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).	
2907	15 32.6	+40 50	4.0	18.2	2.0	36.4	42.8	69.0 +~~7.6~~ 2.4	= ~~70.6~~ 71.4
2636	15 19.0	+37 53	9.6	23.6	4.8	47.2	42.7	66.2 +~~27~~ 5.5	= ~~69.9~~ 71.7
2699	16 3.7	+36 51	11.4	6.0	5.7	12.0	42.5	15.7 −~~3.7~~ 5.5	= ~~12.0~~ 10.2
2750	15 27.1	+31 51	21.6	20.7	10.8	41.4	42.6	68.5 +~~1.7~~ 2.4	= ~~70.2~~ 70.9
2663	15 55.5	+33 45	17.8	9.1	8.9	18.2	42.7	73.7 −~~1.9~~ 2.9	= ~~71.8~~ 70.8
2611	15 26.6	+41 25	2.8	20.5	1.4	41.0	42.8	67.6 +~~2.8~~ 4.2	= ~~72.2~~ 71.8
							42.7		71.1 71.1

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J.

Plate 1141.

H.P.	R.A.	Dec.	v	N	$\frac{N}{2}$	N × 2.	Dec. + $\frac{N}{2}$.	R.A. + (N × 2).
1.4	2213 Canes Venat.	13 0.1	+ 36 26	2.4	19.4	1.2	38.8	37.6	38.9 + 1.7 = 40.6
1.7	2266 Coma Beren.	13 19.4	+ 24 28	6.1	11.3	3.0	22.6	27.5	42.0 − 0.7 = 41.3
10.2	2204 " "	12 54.5	+ 31 26	12.1	22.0	6.0	44.0	37.4	98.5 + 2.0 = 100.5
70.9	2232 " "	13 6.3	+ 28 29	18.0	17.0	9.0	34.0	37.5	40.3 + 0.5 = 40.8
70.8	2226 " "	13 4.2	+ 18 10	18.6	18.3	9.3	36.6	27.5	40.8 + 0.3 = 41.1
71.8	2254 Canes Venat.	13 13.6	+ 35 45	3.6	14.0	1.8	28.0	37.6	41.6 − 0.4 = 41.2
71.1								37.5	100.8

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4

Plate 1204.

H.P	R.A.	Dec.	V	H	V/2	H×2.	Dec.+V/2.	R.A.+(H×2).
2213	Bancs Venat.	13 0.1	+36 26′	2.6	10.9	1.3	21.8	37.7	21.9 − 1.6 = 20.3
2132	" "	12 27.8	+33 55	7.4	24.1	3.7	48.2	37.6	76.0 + 3.2 = 79.2
2204	Coma Beren.	12 54.5	+31 26	12.6	13.1	6.3	26.2	37.7	80.7 − 0.6 = 80.1
2232	" "	13 6.3	+28 29	18.3	7.9	9.2	15.8	37.7	22.1 − 1.8 = 20.3
2226	" "	13 4.2 (63.0)	+18 10 (28.3)	18.9	8.5	9.4	17.0	27.6	21.2 − 0.7 = 20.5
2175	" "	12 43.0 (43.4)	+25 30 (35.5)	4.4	18.3	2.2	36.6	37.7	79.6 + 0.6 = 80.2
								37.7	80.1

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J.

Plate 1243

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2213	Banes Venat.	13 0.1	+ 36° 26′	2.4	16.2	1.2	32.4	37.6	32.5 + 0.4 = 32.9
2266	Coma Beren.	13 19.4	+ 24 28	6.1	7.8	3.0	15.6	27.5	35.0 − 1.3 = 33.7
2184	" "	12 47.4	+ 21 54	11.1	22.4	5.6	44.8	27.5	92.2 + 1.0 = 93.2
2232	" "	13 6.3	+ 28 29	18.1	13.8	9.0	27.6	37.5	33.9 − 0.3 = 33.6
2181	" "	12 45.9	+ 28 12	18.3	22.7	9.2	45.4	37.4	91.3 + 1.9 = 93.2
2254	Banes Venat	13 13.6	+ 35 45	3.6	10.9	1.8	21.8	37.6	35.4 − 1.6 = 33.8
								37.5	93.4

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S.

Plate 114 2.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2191	Ursa Major	12h 48.7m	+ 56° 37′	2.0	18.0	1.0	36.0	57.6	84.7 + 4.2 = 88.9
2264	"	"	13 19.1	+ 55 33	4.0	9.6	2.0	19.2	57.6	34.3 - 7.1 = 31.2
2176	Canes Venat.	12 43.2	+ 49 8	16.6	20.5	8.3	41.0	57.4	84.2 + 5.7 = 89.9
2253	"	"	13 13.1	+ 50 19	14.4	10.8	7.2	21.6	57.5	34.7 - 4.7 = 30.0
2213	"	"	13 0.1	+ 36 26	22.0	17.1	11.0	30.2	47.4	30.3 + 0.1 = 30.4
2248	"	"	13 12.2	+ 41 12	12.7	10.7	6.4	21.4	47.6	33.6 - 3.1 = 30.5
									57.5	30.2

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4

Plate 1182.

H.P.		R.A.	Dec.	r	H	r/2	H x 2.	Dec. + r/2.	R.A. + (H x 2).
2308	Bones	Venat	13 34.8	+31 37	1.8	9.4	.9	18.8	32.5	53.6 − 1.6 = 52.0
2218	boma	Berew	13 1.4	+28 16	8.4	23.8	4.2	47.6	32.5	49.0 + 2.1 = 51.1
2332	Bootes		13 41.2	+26 18	12.4	6.4	6.2	12.8	32.5	53.0 − 1.8 = 51.2
2313	"		13 35.4	+23 9	18.8	9.2	8.9	17.6	32.4	53.0 − 1.0 = 52.0
2306	"		13 33.6	+11 21	22.0	9.3	11.0	18.6	22.4	52.2 − 0.3 = 51.9
2232	boma	Berew	13 6.3	+28 29	8.1	21.7	4.0	43.4	32.5	49.7 + 1.7 = 51.4
									32.6	51.6

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4

Plate 1183.

H.P.		R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.a.+(H×2).
2237	Canes Venat.	13 8.3	+40 47	3.3	19.8	1.6	39.6	42.4	47.9 + 3.5 = 51.4
2334	"	" 13 41.8	+39 10	6.4	6.9	3.2	13.8	42.4	55.6 − 5.7 = 49.9
2213	"	" 13 0.1	+36 26	11.6	23.3	5.8	46.6	42.2	46.7 + 4.9 = 51.6
2308	"	" 13 34.8	+31 37	21.3 ~~24.9~~	9.2 ~~18+~~	10.6	18.4	42.2	53.2 − 2.5 = 50.7
2248	"	" 13 12.2 (14.6 35.2)	+41 12 (31.3 39.9)	21.9	18.1	11.0	36.2	52.2	48.4 + 2.4 = 50.8
2338	Ursa Major	13 42.8	+49 55	4.7	7.8	2.4	15.6	52.3	58.4 − 7.5 = 50.9
								52.3	50.9

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1.

Plate 12/11.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
2237	Bones Venat.	13 8.3	+ 40 47	3.6	20.5	1.8	41.0	42.6	49.3 + 4.1 = 53.4
2334	"	"	13 41.8 + 39 10	6.8	7.7	3.4	15.4	42.6	57.2 − 5.1 = 52.1
2213	"	"	13 0.1 + 36 26	12.0	24.1	6.0	48.2	42.4	48.3 + 5.5 = 53.8
2308	"	"	13 34.8 + 31 37	21.6	10.0	10.8	20.0	42.4	64.8 − 2.3 = 52.5
2248	"	"	13 12.2 + 41.2	21.8	18.9	10.9	37.8	52.1	50.0 + 2.7 = 52.7
2338	Ursa Major	13 42.8	+ 49 55	4.6	8.6	2.3	17.2	52.2	60.0 − 6.6 = 53.4
								52.4	53.0

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Y

Plate 1143.

H.P.		R.A. h m	Dec. ° ′	r	H	r/2	H×2	Dec.+r/2.	R.A.+(H×2)
2368	Bootes	13 53.0	+ 22 17	10.1	9.2	5.0	18.4	27.3	71.4 − 0.9 = 70.5
2310	"	13 34.9	+ 20 34	13.5	17.5	6.8	35.0	27.4	69.9 + 0.3 = 70.2
2360	"	13 49.0	+ 19 0	16.7	11.1	8.4	22.2	27.4	71.2 − 0.5 = 70.7
2333	"	13 41.6	+ 18 3	18.6	14.6	9.3	29.2	27.3	70.8 − 0 = 70.8
2340	Canes Venat	13 43.3	+ 31 47	11.4	13.7	5.7	27.4	37.5	70.7 − 0.4 = 70.3
2313	Bootes	13 35.4	+ 23 9	8.6	17.3	4.3	34.6	~~27.5~~ 37.4	70.0 + 0.4 = 70.4
									70.5

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4

Plate 1205.

H.P.		R.A.	Dec.	r	#	$\frac{r}{2}$	# × 2.	Dec. + $\frac{r}{2}$.	R.A. + (# × 2).
2332	Bootes	13 41.2	+ 26 18	28	15.4	1.4	30.8	27.7	72.0 + 0.1 = 72.1
2368	"	13 53.0	+ 22 17	10.6	10.0	5.3	20.0	27.6	73.0 − 0.7 = 72.3
2310	"	13 34.9	+ 20 34	14.0	18.3	7.0	36.6	27.6	71.5 + 0.4 = 71.9
2360	"	13 49.0	+ 19 0	17.3	11.8	8.6	23.6	27.6	72.6 − 0.4 = 72.2
2343	"	13 43.7	+ 16 24	22.2	14.3	11.1	28.6	27.5	72.5 − 0.1 = 72.4
2313	"	13 35.4	+ 23 9	9.1	18.0	4.6	36.0	27.8	71.4 + 0.6 = 72.0
								27.8	72.2

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4.

Plate 114 H.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H x z.	Dec. + $\frac{v}{2}$.	R.A. + (H x z).
2264	Ursa Majr	13 19.1	+ 55 33	3.8	20.5	1.9	41.0	57.5	60.1 + 7.2 = 67.3
2362	"	" 13 49.5	+ 54 19	6.3	11.6	3.2	23.6	57.5	73.1 − 4.1 = 69.0
2395	Bootes	14 9.2	+ 52 21	9.8	5.7	4.9	11.4	57.3	20.6 − 10.7 = 9.9
2299	Canes Venat	13 29.6	+ 49 38	15.6	18.0	7.8	36.0	57.4	65.6 + 3.0 = 68.6
2304	"	" 13 32.1	+ 36 54	21.0	17.9	10.5	35.8	47.4	67.9 + 1.5 = 69.4
2331	"	" 13 41.2	+ 41 41	11.6	14.4	5.8	28.8	47.5	70.0 − 0.5 = 69.5
								57.4	69.0

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I.

Plate 118 H.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2400	Bootes	14 10.2	+ 19 48'	5.6	10.4	2.8	20.8	22.6	31.0 − 0.6 = 30.4
2360	"	13 49.0	+ 19 0	7.0	20.2	3.5	40.4	22.5	89.4 + 0.7 = 90.1
2343	"	13 43.7	+ 16 24	12.0	22.8	6.0	45.6	22.4	89.3 + 0.8 = 90.1
2411	"	14 13.5	+ 13 34	17.6	8.6	8.8	17.2	22.4	30.7 − 0.7 = 30.0
2368	"	13 53.0	+ 22 17	20.0	18.1	10.0	36.2	32.3	89.2 + 0.6 = 89.8
Not in H.P.				6.0	10.2	3.0	20.4	~	~ ~ ~
								32.4	90.1

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4

Plate 1185.

H.P.	R.A.	Dec.	ν	H	ν/2	H×2.	Dec. + ν/2.	R.A. + (H×2).
2338 Ursa Major	13 42.8	+ 49 55	4.9	20.3	2.4	40.6	52.3	83.4 + 5.5 = 88.9
2377 Bootis	13 58.6	+ 51 34	3.5	15.3	1.8	30.6	52.4	89.2 + 0.3 = 89.5
2403 "	14 11.8	+ 46 38	11.4	10.8	5.7	21.6	52.3	33.4 − 4.1 = 29.3
2331 Canes Venat.	13 41.2	+ 41 41	20.8	21.8	10.4	43.6	52.1	84.8 + 5.3 = 90.1
2352 " "	13 46.5 (48.0)	+ 35 2 (44.9)	14.8	20.4	7.4	40.8	42.4	87.3 + 2.9 = 90.2
2409 Bootes	14 13.0 (70.0)	+ 36 4 (45.9)	12.8	9.7	6.4	19.4	42.5	32.4 − 3.0 = 29.4
							52.3	89.6

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J.

Plate 1338.

H.P.		R.A.	Dec.	r	H	r/2	H×2	Dec.+r/2.	R.A.+(H×2)
2338	Ursa Major	13 42.6	+49 55	5.1	21.7	2.6	43.4	52.5	86.2 + 6.9 = 93.1
2383	Bootes	14 3.7	+50 2	5.1	15.0	2.6	30.0	52.6	33.7 0 = 33.7
2403	"	14 11.8	+46 38	11.9	12.4	6.0	24.8	52.6	36.6 - 2.4 = 34.2
2382	"	14 3.1	+44 25	16.2	15.4	8.1	30.8	52.5	33.9 + 0.5 = 34.4
2363	Canes Venat	13 52.4 60.4	+32 42.8 37	19.5	20.7	9.8	41.4	42.4	91.8 + 2.4 = 94.2
2436	Bootes	14 27.2	+38 48.9 50	7.4	6.1	3.7	12.2	42.5	39.4 - 6.0 = 33.4
								52.5	93.8

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4

Plate 1146.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2409	Bootes	14h 13.0m	+ 36° 4′	2.8	18.0	1.4	36.0	37.5	49.0 + 1.0 = 50.0
2433	"	14h 26.9	+ 30 54	13.0	12.3	6.5	24.6	37.4	51.3 − 0.8 = 50.5
2442	"	14h 29.5	+ 30 16	14.3	11.1	7.2	22.2	37.5	51.7 − 1.1 = 50.6
2467	"	14h 39.8	+ 27 35	19.4	6.4	9.7	12.8	37.3	52.6 − 2.0 = 50.6
2450	"	14h 35.1 (34.2)	+ 16 56 (27.0)	20.7	8.1	10.4	16.2	27.3	51.3 − 0.6 = 50.7
2400	"	14h 10.2 (10.8)	+ 19 48 (29.6)	15.3	19.8	7.6	39.6	27.4	49.8 + 0.6 = 50.4
								37.4	50.5

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J.

Plate 12/13.

H.P.		R.A.	Dec.	r	p	$\frac{r}{2}$	H×z.	Dec.+$\frac{r}{2}$	R.A.+(H×z)
2432	Bootes	14 24.6	+ 50 23	4.4	14.8	2.2	29.6	52.6	54.2 − 0.3 = 53.9
2485	"	14 45.1	+ 46 37	11.5	7.7	5.8	15.4	52.4	60.5 − 6.9 = 53.6
2382	"	14 3.1	+ 44 25	15.8	22.3	7.9	44.6	52.3	47.7 + 6.1 = 53.8
2397	"	14 9.5	+ 42 5	20.6	20.2	10.3	40.4	52.4	49.9 + 4.1 = 54.0
2448	"	14 34.4	+ 44 55	15.1	11.3	7.6	22.6	52.5	57.0 − 3.1 = 53.9
2403	"	14 11.8	+ 46 38	11.8	19.1	5.9	38.2	52.5	50.0 + 3.9 = 53.9
								52.4	53.8

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4.

Plate 1258.

H.P.		R.A.	Dec.	ν	H	$\frac{\nu}{2}$	H×2.	Dec.+$\frac{\nu}{2}$	R.A.+(H×2)
2409	Bootes	14h 13.0m	+ 36° 4′	3.0	15.4	1.5	30.8	37.6	43.8 + 0.1 = 43.9
2368	"	14 53.0	+ 22 17	10.2	24.6	5.1	49.2	27.4	102.2 + 1.5 = 103.7
2442	"	14 29.5	+ 30 16	14.4	8.2	7.2	16.4	37.5	45.9 − 1.9 = 44.0
2434	"	14 27.0	+ 27 13	20.3	9.1	10.2	18.2	37.4	45.2 − 1.3 = 43.9
2413	"	14 14.1	+ 16 51	21.1	14.9	10.6	29.8	27.4	43.9 0 = 43.9
2385	"	14 4.9	+ 25 40	3.8	19.1	1.9	38.2	27.6	43.1 + 0.8 = 43.9
								37.5	103.9

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4.

Plate 1339.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2	Dec.+$\frac{r}{2}$	R.A.+(H×2).
2409	Bootes	14h 13.0m	+36° 4′	3.0	18.5	1.5	37.0	37.6	50.0 + 1.3 = 51.3
2433	"	14 26.7	+30 54	13.4	13.0	6.7	26.0	37.6	52.7 − 0.6 = 52.1
2467	"	14 39.8	+27 35	19.8	7.2	9.9	14.4	37.5	54.2 − 1.8 = 52.4
2449	"	14 35.1	+16 56	21.0	8.9	10.5	17.8	27.4	52.9 − 0.5 = 52.4
2400	"	14 10.2	+19 48	15.5	20.6	7.8	41.2	27.6	51.4 + 0.7 = 52.1
2385	"	14 4.9	+25 40	3.7	22.7	1.8	45.4	27.5	50.3 + 1.5 = 51.8
								37.5	52.0

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Plate 1147.

H.P.		R.A. h m s	Dec. ° ′	V	H	V/2	H×2.	Dec.+V/2.	R.A.+(H×2)
2395	Bootes	14 9.2	+52 21	10.4	18.0	5.2	36.0	57.6	45.2 + 3.6 = 48.8
2426	"	14 21.0	+52 24	10.4	14.4	5.2	28.8	57.6	49.8 − 0.9 = 48.9
2403	"	14 11.8	+46 38	21.6	17.5	10.8	35.0	57.4	46.8 + 2.4 = 49.2
2436	"	14 27.2	+38 50	17.8	12.2	8.8	24.4	47.6	51.6 − 1.8 = 49.8
2448	"	14 34.4	+44 55	5.1	9.8	2.6	19.6	47.5	54.0 − 4.5 = 49.5
2403	"	14 11.8	+46 38	2.0	17.6	1.0	35.2	47.6	47.0 + 2.5 = 49.5
								547.6	49.3

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1887phae.proj...839F

L.

Plate 1259.

H.P.	R.A.	Dec.	V	H	$\frac{V}{2}$	H × z.	Dec + $\frac{V}{2}$.	R.A. + (H × z).
2395 Bootis	14h 9.2m	+ 52° 21′	10.4	18.3	5.2	36.6	57.6	45.8 + 3.9 = 49.7
2426 "	14 21.0	+ 52 24	10.4	14.8	5.2	29.6	57.6	50.6 − 0.3 = 50.3
2403 "	14 11.8	+ 46 38	21.6	17.9	10.8	35.8	57.4	47.6 + 2.7 = 50.3
2436 "	14 27.2 (24.9)	+ 38 50 (48.7)	17.5	12.6	8.8	25.2	47.6	52.4 − 1.5 = 50.9
2448 "	14 34.4 (29.7)	+ 44 55 (54.9)	5.3	10.2	2.6	20.4	47.5	64.8 − 4.1 = 50.7
2403 "	14 11.8 (14.1)	+ 46 38 (56.5)	2.0	18.0	1.0	36.0	47.6	47.8 + 2.7 = 50.5
							57.6	60.4

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4

Plate 1186.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2489	Bootes	14h 45m.9	+19° 36'	5.8	13.1	2.9	26.2	22.5	72.1 − 0.4 = 71.7
2449	"	14 35.1	+16 56	11.0	18.1	5.5	36.2	22.4	71.3 + 0.3 = 71.6
2498	"	14 50.6	+14 56	14.9	10.8	7.4	21.6	22.3	72.2 − 0.3 = 71.9
2452	"	14 35.4	+14 15	16.4	18.0	8.2	36.0	22.4	71.4 + 0.2 = 71.6
2527	"	15 2.0	+25 20	13.8	5.7	6.9	11.4	32.2	13.4 − 1.8 = 11.6
2433	"	14 26.7	+30 54	3.0	21.4	1.5	42.8	32.4	69.5 + 1.8 = 71.3
								32.4	71.6

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I.

Plate 1187.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2)
2515	Booted	14h 57m.4	+40° 52′	3.2	8.9	1.6	17.8	42.5	75.2 − 4.5 = 70.7
2436	"	14 27.2	+38 50	7.3	20.3	3.6	40.6	42.4	67.8 + 3.5 = 71.3
2517	"	14 58.3	+35 41	13.4	8.1	6.7	16.2	42.4	74.5 − 3.9 = 70.6
2433	"	14 26.7	+30 54	22.6	21.1	11.3	42.2	42.2	66.9 + 2.5 = 69.4
2515	"	14 57.4	+40 52	22.7	8.8	11.4	17.6	52.3	75.0 − 4.5 = 70.5
2448	"	14 34.4	+44 55	15.0	17.3	7.5	34.6	52.4	69.0 + 1.9 = 70.9
								52.4	70.6

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4.

Plate 1246.

H.P.	R.A.	Dec.	r	H	r/2	H×2	Dec.+r/2.	R.A.+(H×2).
2517 Bootes	14h 58m.3	+35° 41′	3.9	16.8	2.0	33.6	37.7	91.9 + 1.1 = 93.0
2554 "	15 17.0	+33 21	8.4	9.2	4.2	18.4	37.6	35.4 − 2.7 = 32.9
2487 "	14 44.8	+29 6	16.6	22.9	8.3	45.8	37.4	90.6 + 3.0 = 93.6
2520 "	14 59.3	+27 75	20.1	16.6	10.0	33.2	37.4	92.5 + 0.6 = 93.1
2572 Corona	15 22.9	+29 31	15.8	6.4	7.9	12.8	37.4	35.7 − 3.3 = 32.4
2489 Bootes	14 45.9	+19 36	15.6	23.1	7.8	46.2	27.4	92.1 + 1.3 = 93.4
							37.5	93.1

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4.

Plate 1223.

H.P.	R.a.	Dec.	r	H	$\frac{r}{2}$	H×2	Dec.+$\frac{r}{2}$	R.a.+(H×2).
2515 Bottles	14h 57m.4	+40° 52′	13.4	17.4	6.7	34.8	47.6	92.2-2.7=89.5
							47.6	89.5

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J.

Plate 1247.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2608	Draco.	15h 32.9m	+ 55° 1′	4.6	6.3	2.3	12.6	57.3	45.5 − 11.1 = 34.4
2447	Bootes	14 34.4	+ 54 32	5.8	23.1	2.9	46.2	57.4	80.6 + 10.2 = 90.8
2574	Hercules	15 24.9	+ 47 38	19.4	7.6	9.7	15.2	57.3	40.1 − 7.2 = 33.9
2485	Bootes	14 45.1	+ 46 37	21.4	21.0	10.7	42.0	57.3	87.1 + 5.5 = 92.6
2487	"	14 45.6 (51.9)	+ 49 13 (49.1)	16.4	20.5	8.2	41.0	57.4	86.6 + 5.9 = 92.5
2552	Draco.	15 16.5 (71.3)	+ 52 25 (52.1)	10.3	10.8	5.2	21.6	57.6	38.1 − 4.9 = 33.2
								57.4	92.9

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4

Plate 1261.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2559	Corona.	15h 18.2m	+30° 43′	3.5	17.1	1.8	34.2	32.5	524 + 0.6 = 53.0
2537	Bootes	15 9.5	+29 37	5.6	21.0	2.8	42.0	32.4	51.5 + 1.5 = 53.0
2643	Corona	15 44.6	+26 26	11.6	5.6	5.8	11.2	32.2	55.8 − 1.9 = 53.9
2533	Bootes	15 8.2	+23 26	17.8	21.9	8.9	43.8	32.3	52.0 + 1.1 = 53.1
2590	Serpens	15 29.1 (28.4)	+10 57 (21.0)	22.8	12.4	11.4	24.8	22.4	53.9 − 0.2 = 53.7
2572	Corona	15 22.9 (22.8)	+29 31 (29.4)	6.0	15.2	3.0	30.4	32.5	53.3 + 0.1 = 53.2
								32.4	53.3

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S.

Plate 1352.

H.P.	R.A.	Dec.	V	H	$\frac{V}{2}$	H×2.	Dec.+$\frac{V}{2}$.	R.A.+(H×2).
2559 Corona.	15h 18m.2	+30° 43′	3.6	16.0	1.8	32.0	32.5	50.2 + 0.2 = 50.4
2537 Bootes	15 9.5	+29 37	5.8	19.8	2.9	39.6	32.5	49.1 + 1.2 = 50.3
2625 Corona	15 37.7	+26 41	11.5	7.5	5.8	15.0	32.5	52.7 − 1.6 = 51.1
2533 Bootes	15 8.2	+23 26	17.8	20.7	8.9	41.4	32.3	49.6 + 0.9 = 50.5
2590 Serpens	15 29.1 (28.4)	+10 57 (21.0)	22.8	11.1	11.4	22.2	22.4	51.3 − 0.2 = 51.1
2527 Bootes	15 2.0 (3.8)	+25 20 (25.4)	14.0	23.4	7.0	46.8	32.3	48.8 + 1.6 = 50.4
							32.4	50.6

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L

Plate 1262.

H.P.		R.A.	Dec.	r	H	r/2	H×r.	Dec.+r/2.	R.A.+(H×r).
2611	Bootes	15h 33m.5	+40° 45′	3.9	11.0	2.0	22.0	42.8	55.5 − 2.9 = 52.6
2561	"	15 20.0	+37 48	9.9	16.0	5.0	32.0	42.8	52.0 + 0.6 = 52.6
2541	"	15 10.7	+33 46	17.7	20.0	8.8	40.0	42.6	50.7 + 2.5 = 53.2
2588	Corona	15 28.1	+31 46	21.6	12.9	10.8	25.8	42.6	53.9 − 0.9 = 53.0
2583	Bootes	14 58.8	+48 38.7	8.8	22.4	4.4	44.8	52.5	104.6 + 7.3 = 111.9
2584	"	15 27.5	+41 18	22.4	13.1	11.2	26.2	52.5	53.7 − 1.5 = 52.2
								52.6	112.6

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L

Plate 122 H.

H.P.		R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2.)
2594	Corona	15h 29.6m	+27° 7′	20.6	21.2	10.3	42.4	37.4	72.0 + 1.4 = 73.4
2588	"	15 28.1 + 31.6		11.4	21.6	5.7	43.2	37.5	71.3 + 1.9 = 73.2
Not in H.P.		27.9	29.0	16.8	22.7	8.4	45.4	—	— — —
2625	Corona	15 37.7	+26 41	21.4	17.6	10.7	35.2	37.4	72.9 + 0.6 = 73.5
		38.1	26.7					37.4	73.4

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4.

Plate 13 H 1

H.P.		R.a.	Dec.	r	H	r/2	H×2	Dec. + r/2.	R.a. + (H×2).
2652	Corona	15h 46m.7	+36° 2′	3.2	13.1	1.6	26.2	37.6	72.9 − 0.8 = 72.1
2685	"	15 56.5	+33 40	7.8	9.1	3.9	18.2	37.6	74.7 − 1.9 = 72.8
2572	"	15 22.9	+29 31	15.9	23.3	8.0	46.6	37.5	69.5 + 2.1 = 71.6
2594	"	15 29.6	+27 7	20.8	20.6	10.4	41.2	37.5	70.8 + 1.4 = 72.2
2625	"	15 37.7	+26 41	21.8	17.0	10.9	34.0	27.6	71.7 + 0.5 = 72.2
2687	Serpens	15 57.1	+23 8	9.0	8.3	4.5	16.6	27.6	73.7 − 1.1 = 72.6
								37.6	72.2

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F.

Plate 1342.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2680	Draco	15 54.9	+ 55 5	5.1	10.9	2.6	21.8	57.7	76.7 − 5.5 = 71.2
2552	"	15 16.5	+ 52 25	10.0	22.3	5.0	44.6	57.4	61.1 + 8.5 = 69.6
2574	Hercules	15 24.9	+ 47 38	19.6	20.4	9.8	40.8	57.4	65.7 + 5.4 = 71.1
2694	"	15 59.1	+ 46 22	22.1	8.9	11.0	17.8	57.4	76.9 − 5.7 = 71.2
2561	Bootes	15 20.0	+ 37 48	19.2	23.6	9.6	47.2	47.4	67.2 + 5.4 = 72.6
2713	Hercules	16 5.0	+ 45 15	4.6	6.7	2.3	13.4	47.5	18.4 − 7.5 = 10.9
								47.5	71.1

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G

Plate 124 g.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2747	Hercules	16 16.6	+ 19 26	6.4	9.5	3.2	19.0	22.6	35.6 − 0.6 = 35.0
2706	"	16 2.7	+ 17 22	10.5	16.0	5.2	32.0	22.6	34.7 + 0.1 = 34.8
2666	Serpens	15 50.9	+ 16 3	13.0	21.7	6.5	43.4	22.5	94.3 + 0.6 = 94.9
2757	Hercules	16 19.9	+ 14 19	16.4	7.8	8.2	15.6	22.5	35.5 − 0.6 = 34.9
2687	Serpens	15 57.1 (58.1)	+ 23 8 (20.2)	18.6	18.4	9.3	36.8	32.4	93.9 + 0.6 = 94.5
2686	Corona	15 56.7	+ 30 11	4.8	18.4	2.4	36.8	32.6	93.5 + 0.9 = 94.4
								32.5	94.8

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L

Plate 1250.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2682	Hercules	15h 55m.7	+50° 14'	4.6	17.7	2.3	35.4	52.5	91.1 + 2.9 = 94.0
2779	"	16 26.8	+49 14	6.3	7.7	3.2	15.4	52.4	42.2 − 7.5 = 34.7
2658	"	15 48.6	+42 47	19.1	20.8	9.6	41.6	52.4	90.2 + 4.7 = 94.9
2787	"	16 30.2	+42 42	19.0	5.5	9.5	11.0	52.2	41.2 − 7.5 = 33.7
2685	Corona	15 57.5 56.5	+33 43.6 40	17.5	18.4	8.8	36.8	42.5	93.3 + 1.5 = 94.8
2742	Hercules	16 15.7	+39 49.9 58	5.0	10.8	2.5	21.6	42.5	37.3 − 2.9 = 34.4
								52.4	94.4

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G

Plate 1480.

H.P.	R.A.	Dec.	+	H	H/2	H×2	Dec+H/2	R.A.+(H×2)	
2690	β Scorpius	15h 58.5m	-19° 29′	4.3	16.4	2.2	32.8	2.7	91.3	+0.1 = 91.4
2674	δ "	15 53.3	-22 17	9.9	18.8	5.0	37.6	12.7	90.9	+0.6 = 91.5
2671	π "	15 51.6	-25 46	16.7	19.3	8.4	38.6	12.6	90.2	+0.9 = 91.1
2736	ε Ophiuchus	16 12.0	-4 24	14.1	9.8	7.0	19.6	12.6	31.6	~ = 31.6
2726	δ "	16 8.1	-3 23	12.2	11.7	6.1	23.4	12.7	31.5	~ = 31.5
2638	μ Serpens	15 43.4	-3 4	11.4	24.0	5.7	48.0	12.6	91.5	~ = 91.5
2662	ρ Scorpius	15 49.5	-28 52	22.8	20.2	11.4	40.4	12.5	89.9	+1.3 = 91.2
2764	α "	16 22.0	-26 10	17.6	5.8	8.8	11.6	12.6	33.6	-1.8 = 31.8
								12.6		91.4

This plate could not be identified from Dm charts so the Heis Atlas was used for the identification.

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G.

Plate 1505

H.P.		R.a.	Dec.	ν	H	Ξ	H×2	Dec.+ν/2	R.a.+(H×2)
2690	β Scorpius	15 58.5	-19 29	19.9	15.8	10.0	31.6		
2674	δ "	15 53.3	-22 17	14.2	18.1	7.1	36.2		
2671	π "	15 51.6	-25 46	7.5	18.7	3.6	37.4		
2736	ε Ophiuchus	16 12.4	-4 24	9.6	9.0	4.8	18.0		
2726	δ "	16 8.1	-3 23	11.6	11.0	5.8	22.0		
2638	μ Serpens	15 43.4	-3 4	12.4	23.2	6.2	46.4		
				20.4	12.8	10.2	25.6		
				8.4	22.4	4.2	44.8		

Readings made with plate wrong side up.

2690	β Scorpius	15 58.5	-19 29	14.2	15.8	7.1	31.6	12.6	90.1 + 0.1 =	90.2
2674	δ "	15 53.3	-22 17	9.8	18.1	4.9	36.2	12.6	89.5 + 0.6 =	90.1
2671	π "	15 51.6	-25 46	16.6	18.7	8.3	37.4	12.5	89.0 + 0.8 =	89.8
2736	ε Ophiuchus	16 12.4	-4 24	14.0	9.1	7.0	18.2	12.6	30.6 ~ =	30.6
2726	δ "	16 8.1	-3 23	12.1	11.0	6.0	22.0	12.6	30.1 ~ =	30.1
2638	μ Serpens	15 43.4	-3 4	11.5	23.2	5.8	46.4	12.7	89.8 ~ =	89.8
2714	ν Scorpius	16 5.0	-19 9	3.4	12.7	1.7	25.4	2.5	30.4 ~ =	30.4
2645	ε Serpens	15 44.8	+4 50	15.5	22.4	7.8	44.8	12.6	89.6 ~ =	89.6
								12.6		90.1

This plate could not be identified from D.M. Oracle & the Heis Atlas was used for identification.

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G.

Plate 1499.

H.P.	R.A. h m	Dec. ° ′	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2838 Ophiuchus	16 52.0	+9 34	6.2	13.6	3.1	27.2	12.7	79.2
2817 Hercules	16 41.9	+5 28	14.3	18.5	7.2	37.0	12.7	78.9
2825 Ophiuchus	16 45.3	+1 25	22.1	16.7	11.0	33.4	12.4	78.7
2832 "	16 48.3	+10 22	4.7	15.3	2.4	30.6	12.8	78.9
2788 "	16 30.6	−10 19	6.0	24.1	3.0	48.2	12.7	78.8
2868 "	17 3.5	−15 34	16.4	8.2	8.2	16.4	12.6	19.9
							12.6	79.1

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G.

Plate 1506.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$	R.A.+(H×2).
3089	Ophiuchus	18 15.0	+3 20	8.5	18.2	4.2	36.4	7.5	51.4 m = 51.4
3158	Aquila	18 38.8	+1 56	11.2	6.3	5.6	12.6	7.5	51.4 m = 51.4
3112	Serpens	18 21.1	+0 8	14.9	15.1	7.4	30.2	7.5	51.2 m = 51.2
3090	"	18 15.1	-2 56	20.9	18.1	10.4	36.2	17.5	51.3 m = 51.3
3068	Sagittarius	18 8.1	-20 25	17.4	21.9	8.7	43.8	17.3	51.9 +.8 = 52.7
3151	Scutum.	18 35.7	-9 10	13.4	8.0	6.7	16.0	7.5	51.7 m = 51.7
3119	"	18 22.4	-14 38	4.5	14.7	2.2	29.4	7.6	51.8 m = 51.8
								17.5	51.7

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G.

Plate 1451.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3138	Ophiuchus	18h 30.7m	+9° 2′	7.3	20.0	3.6	40.0	12.6	70.7 m = 70.7
3139	"	18 30.8	+6 34	12.1	19.9	6.0	39.8	12.6	70.6 m = 70.6
3222	Serpens	18 51.2	+2 23	20.2	9.9	10.1	19.8	12.5	71.0 m = 71.0
3158	Aquila	18 38.8	+1 56	21.1	16.0	10.6	32.0	12.5	70.8 m = 70.8
3258	Sagittarius	18 59.4	−1 27	5.1	20.6	6.9	10.3	13.8	12.5 73.2 − 1.9 = 71.3
3124	Sagittarius	18 24.4	−18 29	22	23.1	1.1	46.2	2.6	70.6 m = 70.6
								12.6	70.8

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G.

Plate 1509.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3119	Scutum	18 ^{h} 22.4 ^{m}	-14° 36′	4.7	9.3	2.4	18.6	7.8	41.0 − 0.4 = 40.6
3062 μ	Sagittarii	18 6.6	-21 5	17.6	16.5	8.8	33.0	17.7	39.6 + 0.2 = 39.8
3090 η	Serpens	18 15.1	-2 56	21.0	12.4	10.5	24.8	17.6	39.9 = 39.9
3124	Sagittarii	18 24.4	-18 29	12.3	8.4	6.2	16.8	17.7	41.2 − 0.7 = 40.5
3015	"	17 54.4	-17 9	9.5	22.6	4.8	45.2	17.6	99.6 + 0.7 = 100.3
								17.7	100.2

This plate could not be identified from D.M. Charts, so Heis Atlas was used for identification.

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1887phae.proj.:830F

G.

Plate 1452.

H.P.	R.A.	Dec.	r	π	$\frac{r}{2}$	π×2.	Dec.+$\frac{r}{2}$.	R.A.+(π×2).
3321 ν Sagittarius	19 14.8	− 16 11′	17.8	17.6	8.9	35.2	12.7	50.0 m = 50.0
3403 e "	19 35.7	− 16 24	18.0	7.8	9.0	15.6	12.6	51.0 m = 51.0
3319 g "	19 14.7	− 18 4	21.3	17.7	10.6	35.4	12.5	50.1 + 0.3 = 50.4
3381 ι Aquilæ	19 30.5	− 1 33	8.5	10.0	4.2	20.0	12.6	50.5 m = 50.5
3380 κ "	19 30.4	− 7 18	19.6	10.1	9.8	20.2	12.5	50.6 m = 50.6
3373 h Sagittarius	19 29.4	− 25 9	15.5	11.0	7.8	22.0	12.6	51.4 − 0.8 = 50.6
3270 π "	19 2.6	− 21 13	7.9	23.3	4.0	46.6	12.8	49.2 + 1.0 = 50.2
							12.6	50.7

This Mag was used for identification of this plate

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1887phae.proj...839f

G.

Plate 1489.

H.P.	R.A.	Dec.	v	H	$\frac{H}{2}$	H×2.	Dec.+$\frac{H}{2}$.	R.A.+(H×2).
3592	Delphinus	20 27.5	+ 10 54'	3.4	22.3	1.7	44.6	12.6	72.1 ~ = 72.1
3693	Equuleus	20 53.1	+ 3 50	17.3	9.6	8.6	19.2	12.4	72.3 ~ = 72.3
3712	Capricornus	20 59.2	- 17 43	20.3	7.0	10.2	14.0	12.5	73.2 ~ = 73.2
3638	"	20 39.0	- 25 42	16.5	16.5	8.2	33.0	12.5	72.0 + 0.4 = 72.4
3647	Aquarius	20 4.2	- 9 56	5.2	15.7	2.6	31.4	2.7	72.6 ~ = 72.6
								12.5	72.5

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1887phae.proj..839F

G.

Plate 1522.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$	R.A.+(H×2).
3842	Pegasus	21 ^{h} 38.8 ^{m}	+16 48	1.9	17.6	1.0	35.2	17.8	74.0
3794	Pegasus	21 25.3	+11 37	12.0	24.2	6.0	48.4	17.6	73.7
3891	"	21 57.4	+10 49	13.7	8.5	6.8	17.0	17.6	74.4
3836	"	21 38.3	+ 9 20	1.68	17.9	8.4	35.8	17.7	74.1
3889	Aquarius	21 57.1	− 2 44	20.7	8.6	10.4	17.2	17.7	74.3
3795	"	21 25.2	− 6 6	7.8	24.3	3.9	48.6	7.8	73.8
								17.7	74.0

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G.

Plate 1523.

H.P.	R.A.	Dec.	v	H	$\frac{H}{2}$	H×2.	Dec.+$\frac{v}{2}$	R.A.+(H×2).
H010 Pegasus	22 34.9	+ 13 55	7.1	8.6	3.6	17.2	17.5	G2.1
3951 "	22 15.6	+ 11 36	11.6	17.9	5.8	35.8	17.4	G1.4
3918 "	22 4.8	+ 11 2	12.6	23.3	6.3	46.6	17.3	G1.4
H013 "	22 35.5	+ 10 12	14.5	8.3	7.2	16.6	17.4	G2.1
3950 Aquarius	22 15.5 (15.8)	− 1 59 (8.0)	18.8	18.2	9.4	36.4	17.4	G1.9
3914 "	22 4.1 (4.8)	− 4 29 (15.6)	3.7	23.7	1.8	47.4	7.3	G1.5
							17.4	G1.7

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1887phae.proj..839F

Y.

Plate 1329.

H.P.		R.A.	Dec.	V	H	$\frac{V}{2}$	H × 2.	Dec. + $\frac{V}{2}$.	R.A. + (H × 2).
2774	Hercules	16^h 25.1^m	+ 21° 45′	11.8	13.2	5.9	26.4	27.7	51.5 − 0.3 = 51.2
2747	"	16 16.6	+ 19 26	16.4	17.0	8.2	34.0	27.6	50.6 + 0.3 = 50.9
2706	"	16 27	+ 17 23	20.2	23.7	10.1	47.4	27.5	50.1 + 0.8 = 50.9
2811	"	16 39.4	+ 34 16	6.5	7.3	3.2	14.6	37.5	54.0 − 2.7 = 51.3
2807	"	16 36.8	+ 31 49	11.5	8.3	5.8	16.6	37.6	53.4 − 2.0 = 51.4
								37.6	51.1

This plate has one extra exposure with centre at 16^h +20°. The positions of Spectra in this exposure have been estimated from D.M. Charts.

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~~4~~ 4

Plate 1481.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2)
2730	Corona	16h 10.2m	+34° 10′	6.8	21.0	3.4	42.0	37.6	52.2 + 1.9 = 54.1
2807	Hercules	16 36.8	+31 49	11.5	9.9	5.8	19.8	37.6	56.6 − 1.4 = 55.2
2733	Corona	16 11.9	+29 27	16.0	20.5	8.0	41.0	37.4	52.9 + 1.4 = 54.3
2808	Hercules	16 36.8	+27 9	20.7	9.6	10.4	19.2	37.6	56.0 − 1.0 = 55.0
2747	"	16 16.6 (17.2)	+19 26 (29.4)	16.3	18.7	8.2	37.4	37.6	54.0 + 0.4 = 54.4
2774	"	16 25.1 (25.0)	+21 45 (31.7)	11.8	14.8	5.9	29.6	37.7	54.7 − 0 = 54.7
								37.6	54.6

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y.

Plate 1330.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
2803	Draco	16h 35.6m	+56° 15′	2.7	10.6	1.4	21.2	57.6	56.8 - 5.7 = 51.1
2763	"	16 21.8	+55 29	4.4	14.4	2.2	28.8	57.7	50.6 - 0.7 = 49.9
2802	Hercules	16 35.5	+49 10	16.8	10.0	8.4	20.0	57.6	55.5 - 5.3 = 50.2
2694	"	15 59.1	+46 22	22.0	22.2	11.0	44.4	57.4	103.5 + 6.6 = 110.1
2694	"	15 59.1	+46 22	25	22.2	1.2	44.4	47.6	103.5 + 6.6 = 110.1
2810	"	15 38.8	+39 9	16.8	7.9	8.4	15.8	47.6	54.6 − 4.9 = 50.3
								57.6	110.3

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1

Plate 1251.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
2856	Hercules	16^h 59.3^m	+19° 46′	5.3	8.6	2.6	17.2	22.4	76.5 − 0.7 = 75.8
2837	"	16 50.1	+18 38	7.7	13.0	3.8	26.0	22.4	76.1 − 0.2 = 75.9
2791	"	16 32.3	+13 56	16.8	21.5	8.4	43.0	22.3	75.3 + 0.6 = 75.9
2801	"	16 35.3	+12 39	19.4	20.0	9.7	40.0	22.3	75.3 + 0.4 = 75.7
2859	"	16 59.8	+12 54	18.9	8.2	9.4	16.4	22.3	76.2 − 0.5 = 75.7
2785	"	16 30.0	+17 18	10.1	22.4	5.0	44.8	22.3	74.8 + 0.8 = 75.6
								22.3	75.8

This plate has only one exposure with centre at +15°

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1887phae..proj...839F

F.

Plate 1355.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
2844	Hercules	16^h 55^m.7	+31° 6′	3.0	8.4	1.5	16.8	32.6	72.5 − 1.9 = 70.6
2808	"	16 36.8	+27 9	10.9	16.5	5.4	33.0	32.6	69.8 + 0.4 = 70.2
2830	"	16 46.8	+24 52	15.4	12.2	7.7	24.4	32.6	71.2 − 0.4 = 70.8
2774	"	16 25.1	+21 45	21.4	22.0	10.7	44.0	32.5	69.1 + 1.0 = 70.1
2822	"	16 44.0	+13 29	17.6	13.4	8.8	26.8	22.3	70.8 − 0 = 70.8
2785	"	16 30.0	+17 18	10.0	20.0	5.0	40.0	22.3	70.0 + 0.4 = 70.4
								32.5	70.5

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1887phae.proj..839f

4.

Plate 1356.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H x z.	Dec. + $\frac{r}{2}$.	R.A. + (H x z).
2742	Hercules	16^h 15.7^m	+ 39° 58′	5.0	24.1	2.5	48.2	42.5	63.9 + 6.5 = 70.4
2810	"	16 38.8	+ 39 9	7.1	15.2	3.6	30.4	42.8	69.2 + 0.2 = 69.4
2807	"	16 36.8	+ 31 49	21.6	16.1	10.8	32.2	42.6	69.0 + 0.3 = 69.3
2844	"	16 55.7	+ 31 6	22.7	8.1	11.4	16.2	42.5	71.9 − 2.9 = 69.0
2847	"	16 57.2	+ 33 45	17.5	7.7	8.8	15.4	42.6	72.6 − 3.7 = 68.9
2745	"	16 16.1	+ 46 36	11.8	22.8	5.9	45.6	52.5	61.7 + 7.1 = 68.8
								52.6	69.3

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4

Plate 1331.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2	R.A.+(H×2)
2869	Hercules	17 3.8	+36 6′	2.8	15.1	1.4	30.2	37.5	34.0 + 0 = 34.0
2905	"	17 16.2	+32 38	9.4	9.9	4.7	19.8	37.3	36.0 − 1.6 = 34.4
2834	"	16 48.4	+31 54	10.9	21.5	5.4	43.0	37.3	91.4 + 1.9 = 93.3
2896	"	17 14.1	+28 56	16.7	10.7	8.4	21.4	37.3	35.8 − 1.1 = 34.4
2889	"	17 12.8	+17 27	19.7	10.9	9.8	21.8	27.4	34.6 − 0.4 = 34.2
2922	"	17 21.6	+20 12	14.2	6.8	7.1	13.6	27.3	35.2 − 1.0 = 34.2
2847	"	16 57.2	+33 45	7.5	17.9	3.8	35.8	37.6	93.0 + 0.9 = 93.9
								37.4	94.1

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4

Plate 1332.

H.P.		R.A.	Dec.	r	π	$\frac{\pi}{2}$	π×z	Dec.+$\frac{\pi}{2}$.	R.A.+(π×z).
2826	Hercules	16h 45m.7	+46° 12′	2.7	21.2	1.4	42.4	47.6	88.1 + 5.5 = 93.6
2862	"	17 1.4	+43 59	7.2	15.8	3.6	31.6	47.6	33.0 + 0.7 = 33.7
2872	"	17 5.7	+40 56	13.3	14.3	6.6	28.6	47.5	34.3 − 0.6 = 33.7
2914	"	17 19.6	+37 16	20.3	8.8	10.2	17.6	47.5	37.2 − 3.9 = 33.3
2907	"	17 17.9	+40 5	14.8	9.7	7.4	19.4	47.5	37.3 − 3.7 = 33.6
2810	"	16 38.8	+39 9	16.4	24.6	8.2	49.2	47.4	88.0 + 6.5 = 94.5
								47.5	93.7

This plate has only one exposure. Centre at +40°

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4.

Plate 1393.

H.P.		R.A.	Dec.	r	H	r/2	H×r	Dec.+r/2.	R.A.+(H×r).
2945 } 2946 }	Draco	17	29.8 +55 16' / 29.9 +55 15	4.3	6.6	2.2	13.2	57.5	42.0 − 10.8 = 31.2
2794	"	16	33.4 +53 10	8.6	23.0	4.3	46.0	57.5	79.4 + 9.6 = 89.0
2926	Hercules	17	23.6 +48 22	18.0	7.3	9.0	14.6	57.4	38.2 − 7.8 = 30.4
2826	"	16	45.7 +46 12	22.5	20.0	11.2	40.0	57.4	85.7 + 4.5 = 90.2
2937	Draco	17	27.7 +52 23	10.1	6.7	5.0	13.4	57.4	41.1 − 9.9 = 31.2
2810	Hercules	16	38.8 +39 9	16.6	23.4	8.3	46.8	47.5	85.6 + 5.5 = 91.1
								57.4	90.5

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Y

Plate 1344

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
2934	Hercules	17h 26.4m	+31° 15′	2.8	13.9	1.4	27.8	32.6	54.2 − 0.3 = 53.9
2967	"	17 41.8	+27 48	9.5	7.1	4.8	14.2	32.6	56.0 − 1.8 = 54.2
2880	"	17 10.1	+24 59	15.1	21.2	7.6	42.4	32.6	52.5 + 1.1 = 53.6
2910	"	17 19.1	+23 5	18.9	17.2	9.4	34.4	32.5	53.5 + 0.4 = 53.9
2944	Ophiuchus	17 29.4 (28.9)	+12 39 (22.8)	19.6	12.5	9.8	25.0	22.4	54.4 − 0.2 = 54.2
2879	Hercules	17 9.2 (9.5)	+14 32 (24.7)	15.8	22.2	7.9	44.4	22.4	53.6 + 0.6 = 54.2
								32,5	54.0

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1887phae.proj..839F

1.

Plate 1345.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+ r/2.	R.A.+(H×2).
2872	Hercules	17h 5.7m	+ 40° 56′	3.3	21.6	1.6	43.2	42.5	48.9 + 4.8 = 53.7
2893	"	17 13.5	+ 37 25	10.4	18.7	6.2	37.4	42.6	50.9 + 2.3 = 53.2
2923	"	17 22.4	+ 34 49	15.6	15.2	7.8	30.4	42.6	52.8 + 0.1 = 52.9
2974	"	17 41.1	+ 31 33	21.5	7.5	10.8	15.0	42.4	56.1 − 3.3 = 52.8
2890	"	17 12.9 (14.8)	+ 33 14 (33.2)	18.6	19.2	9.3	38.4	42.5	51.3 + 1.9 = 53.2
2954	"	17 33.5 (30.2)	+ 48 40 (38.5)	8.0	11.5	4.0	23.0	52.7	55.5 − 3.6 = 52.9
								52.6	53.1

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H.

Plate 1358.

H.D.		R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2).
2923	Hercules	17h 22.4m	+34° 49′	15.2	22.3	2.6	44.6	37.4	67.0 + 2.6 = 69.6
2974	"	17 41.1	+31 33	11.9	14.7	6.0	29.4	37.6	70.5 − 0.1 = 70.4
3047	"	18 2.5	+30 33	13.5	6.8	6.2	11.0	37.4	13.5 − 2.7 = 10.8
2976	"	17 41.8	+27 48	19.4	14.5	9.7	29.0	37.5	70.8 − 0.1 = 70.7
2933	"	17 25.9 (27.4)	+26 12 (26.4)	22.2	21.5	11.1	43.0	37.3	68.9 + 1.9 = 70.8
3000	"	17 50.6 (49.5)	+26 5 (36.1)	29	10.6	1.4	21.2	27.6	71.8 − 0.9 = 70.9
								37.5	70.5

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1887phae.proj..839F

4

Plate 1394.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H+z.	Dec.+$\frac{v}{2}$	R.A.+(H+z)
2923	Hercules	17h 22.4m	+34° 49'	5.4	23.2	2.7	46.4	37.5	68.8 + 2.9 = 71.5
2974	"	17 41.1	+31 33	12.0	15.5	6.0	31.0	37.6	72.1 + 0.1 = 72.2
3047	"	18 2.5	+30 33	13.8	6.4	6.9	12.8	37.5	15.3 − 2.4 = 72.9
2976	"	17 41.8	+27 48	19.5	15.3	9.8	30.6	37.6	72.4 + 0.2 = 72.6
3007	"	17 53.1	+29 16	16.6	10.4	8.3	20.8	37.6	73.9 − 1.2 = 72.7
2952	"	17 32.6	+24 23	6.4	19.5	3.2	39.0	27.6	71.6 + 0.8 = 72.4
								37.6	72.4

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y

Plate 1359.

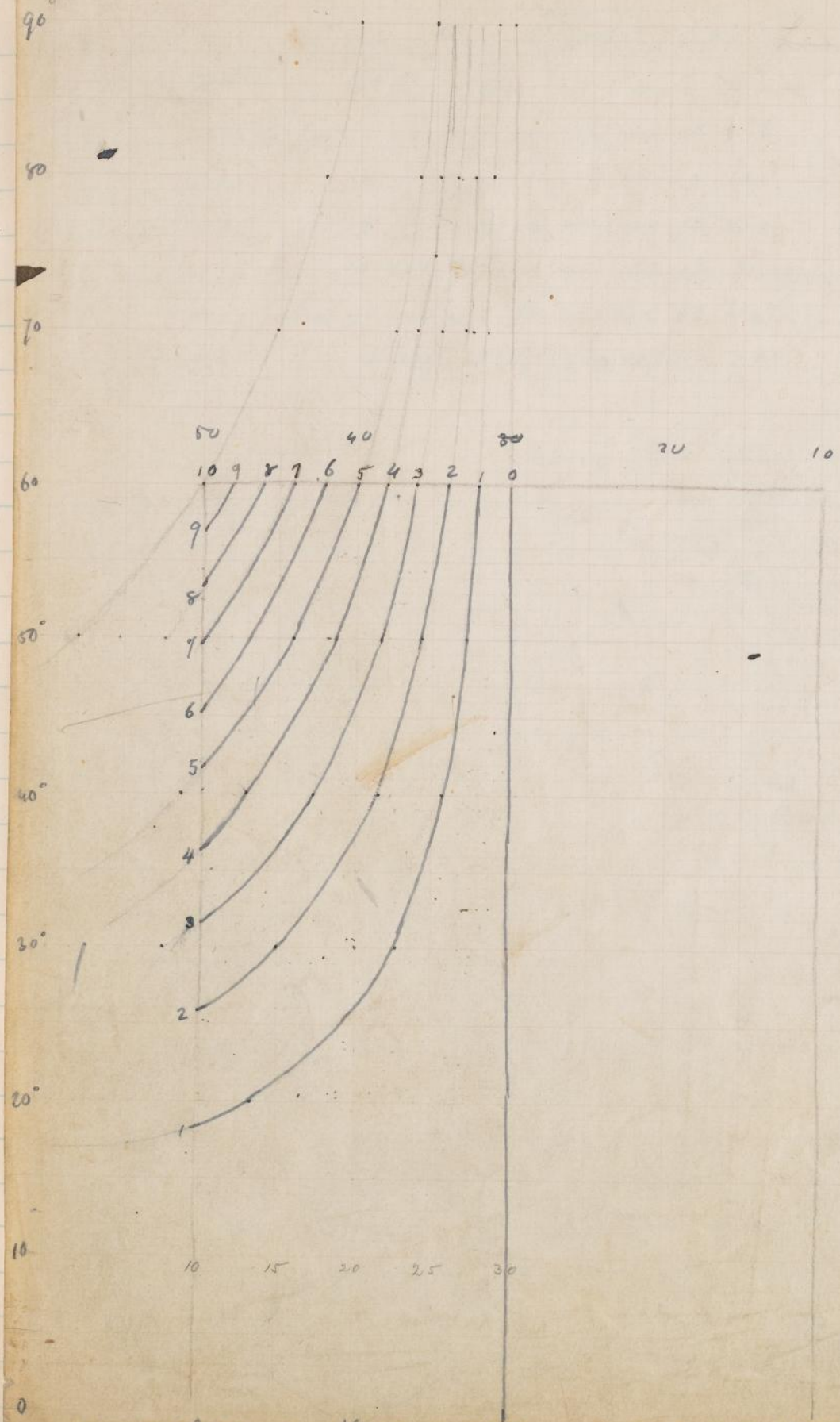
H.P.		R.A.	Dec.	r	N	$\frac{r}{2}$	N×2.	Dec.+$\frac{r}{2}$.	R.A.+(N×2).
2945 }	Draco	17 29.8	+ 55° 16′						
2946 }		17 29.9	+ 55 15	4.8	17.6	2.4	35.2	57.7	65.0 + 3.5 = 68.5
2876	"	17 7.9	+ 52 33	9.4	24.5	4.7	49.0	57.3	56.9 + 11.3 = 68.2
3057	Hercules	18 4.1	+ 49 41	15.5	7.1	7.8	14.2	57.5	18.3 − 8.4 = 10.1
2959	"	17 36.1	+ 46 4	22.9	16.3	11.4	32.6	57.5	68.7 + 1.2 = 69.9
2914	"	17 19.6	+ 37 16	20.3	23.1	10.2	46.2	47.5	65.8 + 5.1 = 70.9
3055	"	18 4.0	+ 43 27	8.2	6.3	4.1	12.6	47.5	16.6 − 7.1 = 9.5
								57.5	69.5

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Less than 30 = ~~+~~ +
More " 30 = ~~−~~ −

Dec.



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19° – 2.1

29° – 1.5

39° – 0.9

49° – 0.3

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1887phae.proj...830F

G

Plate 1482.

H.P.		R.A. h m s	Dec. ′ ″	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
2590	Serpens	15 29.1	+10 57	3.6	12.3	1.8	24.6	12.8	53.7
2633	"	15 40.6	+ 7 44	9.8	6.5	4.9	13.0	12.6	53.6
2535	"	15 9.2	+ 5 23	14.6	22.0	7.3	44.0	12.7	53.2
2571	"	15 22.6	+ 2 16	20.6	15.3	10.3	30.6	12.6	53.2
2539	Libra	15 10.5 (10.6)	− 8 56 (10.9)	3.5	21.4	1.8	42.8	2.9	53.3
2587	"	15 27.9 (28.0)	− 8 47 (1.5)	22.4	12.7	11.2	25.4	12.4	53.3
								12.7	53.4

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1887phae.proj..839F

4.

Plate 1346.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3065	Hercules	18 7.4	+ 31 22	2.6	12.0	1.3	24.0	32.7	31.4 − 0.8 = 30.6
3097	"	18 16.3	+ 28 69	7.6	8.0	3.8	16.0	32.6	32.3 − 1.7 = 30.6
2976	"	17 41.8	+ 29 48	9.4	23.2	4.7	46.4	32.5	88.2 + 1.9 = 30.1
3026	"	17 56.4	+ 21 37	21.9	16.8	11.0	33.6	32.6	90.0 + 0.3 = 90.3
3107	"	18 18.6 (77.2 / 59.4)	+ 21 43 (21.9 / 31.4)	21.4	6.6	10.7	13.2	32.4	31.8 − 1.1 = 30.7
3026	"	17 56.4	+ 21 37	2.4	17.0	1.2	34.0	32.8	90.4 + 0.3 = 90.7
								32.6	90.5

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Plate 134 f.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3009 Draco	17 53.8	+61 30'	2.6	16.9	1.3	33.8	62.8	87.6 + 2.1 = 89.7
3106 "	18 18.5	+49 4	7.3	8.9	3.6	17.8	52.7	36.3 − 6.3 = 30.0
2959 Hercules	17 36.1	+46 4	13.0	23.2	6.5	46.4	52.6	82.5 + 7.5 = 90.0
3067 Lyrae	18 8.1	+41 6	22.9	11.7	11.4	23.4	52.5	31.5 − 2.5 = 29.0
Not in H.P.	42.5	44.2	16.8	23.6	8.4	47.2	"	" "
3041 Hercules	18 1.0	+48 28	8.6	15.0	4.3	30.0	52.8	31.0 + 0 = 31.0
	59.7	48.3					52.7	89.9

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4

Plate 1369

H.P.		R.A. h m	Dec. ° ′	V	H	H/2	H×2	Dec.+H/2	R.A.+(H×2)
3093	Lyra	18 15.7	+36 1	31	17.8	1.6	35.6	37.6	51.3 + 1.1 = 52.4
3193	"	18 45.6	+33 13	8.4	6.4	4.2	10.8	37.4	56.4 − 3.3 = 53.1
3048	Hercules	18 2.9	+28 45	17.4	23.6	8.7	47.2	37.5	50.1 + 2.2 = 52.3
3115	"	18 21.9	+26 23	22.0	15.2	11.0	30.4	37.4	52.3 + 0.1 = 52.4
3178	"	18 4.7 (4.6)	+18 3 (28.2)	18.6	6.0	9.3	12.0	27.3	53.7 − 0.9 = 52.8
3049	"	18 3.0 (4.8)	+26 5 (36.1)	2.8	23.9	1.4	47.8	37.5	50.8 + 1.8 = 52.6
								37.4	52.6

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Y

Plate 1383.

H.P.		R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
3166	Draco	18 h 40.3 m	+55 25′	4.4	9.5	2.2	19.0	57.6	59.3 − 7.1 = 52.2
3187	"	18 44.0	+52 52	9.4	8.1	4.7	16.2	57.6	60.2 − 8.1 = 52.1
3009	"	17 53.8	+51 30	11.9	23.4	6.0	46.8	57.5	100.6 + 9.5 = 110.1
3041	Hercules	18 1.0	+48 28	17.8	22.0	8.9	44.0	57.4	45.0 + 6.9 = 51.9
3172	Lyra	18 36.2 40.6	+37 47.5 29	20.1	7.6	10.0	15.2	47.5	55.8 − 4.8 = 51.0
3055	Hercules	18 8.6 4.0	+43 53.3 27	8.4	21.4	4.2	42.8	47.6	46.8 + 5.4 = 52.2
								57.5	51.6

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4.

Plate 1444

H.P.	R.A.	Dec.	v	H	v/2	H×2.	Dec.+ v/2.	R.A.+(H×2.)
3171 ~~Hercules~~	18 40.5	+20 26	3.4	17.4	1.7	34.8	22.1	~~75.8~~ + 0.3 = 76.6
59 Aquila	18 59.4							
3202 ~~Lyra~~	19 2.4	+33 41	17.6	8.2	8.8	16.4	22.5	76.3 − 0.5 = 75.8
3178 ~~Hercules~~	18 41.7 (41.9)	+18 3 (17.7)	9.1	16.9	4.6	33.8	~~22.6~~	~~75.5~~ + 0.2 = ~~75.7~~
							22.4	75.7

Useless.

~~This plate has only one exposure.~~

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4.

Plate 1525.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3171	Hercules	18h40m.5	+20°26'	4.6	15.7	2.3	31.4	22.9	71.9 + 0.1 = 72.0
3178	"	18 41.7	+18 3	9.2	15.1	4.6	30.2	22.6	71.9 + 0 = 71.9
3259	Aquila	18 59.9	+13 41	17.7	6.4	8.8	12.8	22.5	72.7 − 0.6 = 72.1
3231	"	18 54.2	+14 54	15.4	9.2	7.7	18.4	22.6	72.6 − 0.4 = 72.2
3135	Hercules	18 29.9	+18 6	9.0	20.7	4.5	41.4	22.6	71.3 + 0.6 = 71.9
								22.6	72.0

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Y.

Plate 1645.

H.P.	R.A.	Dec.	v	H	H/2	H×2.	Dec.+H/2.	R.A.+(H×2).
3147 Lyræ	18 32.9	+ 38 40	8.1	20.4	4.0	40.8	42.7	73.7 + 3.6 = 77.3
3193 "	18 45.6	+ 33 13	18.8	15.5	9.4	31.0	42.6	76.6 + 0.3 = 76.9
3232 "	18 54.5	+ 32 32	20.1	11.9	10.0	23.8	42.5	78.3 − 1.5 = 76.8
3169 "	18 40.4 (42.0)	+ 39 29 (39.7)	6.6	17.5	3.3	35.0	42.8	75.4 + 1.7 = 77.1
							42.6	77.0

This plate has only one exposure.

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I.

Plate 1446.

Dm.	R.A.	Dec.	v	H	v/2	H×2	Dec.+v/2.	R.A.+(H×2).
2654	14 h 7.8 m	+ 10 ° 48 ′	4.0	21.7	2.0	43.4	12.8	61.2
2903	14 34.5	+ 8 47	8.0	8.5	4.0	17.0	12.8	61.5
2867	14 4.9	+ 3 6	19.1	23.2	9.6	46.4	12.7	61.3
2971	14 38.1	+ 1 19	22.5	6.7	11.2	13.4	12.5	61.5
2913	14 12.3	+ 1 3	23.0	19.6	11.5	39.2	12.5	61.5
2718	14 38.4	+ 11 13	3.1	6.7	1.6	13.4	12.8	61.8
							12.7	61.5

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I.

Plate 1453.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×z.	Dec.+$\frac{v}{2}$.	R.A.+(H×z).
2605	14 13.8	+ 31 6′	3.5	18.2	1.8	36.4	32.9	50.2 + 0.9 = 51.1
2417	14 38.7	+ 27 41	10.2	7.4	5.1	14.8	32.8	53.5 − 1.7 = 51.8
2737	14 3.8	+ 25 47	13.8	22.9	6.9	45.8	32.7	50.6 + 1.5 = 52.1
2731	14 33.8	+ 22 36	20.1	9.4	10.0	18.8	32.6	52.6 − 0.9 = 51.7
2678	14 8.0	+ 22 34	20.2	21.2	10.1	42.4	32.7	50.4 + 0.9 = 51.3
2628	14 25.6	+ 31 0	3.8	13.3	1.9	26.6	32.9	52.2 − 0.5 = 51.7
							32.8	51.6

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S.

Plate 144 f.

Dm.	R.A.	Dec.	r	H	$\frac{r}{2}$	H+2.	Dec.+$\frac{r}{2}$.	R.A.+(H+2).
2870	14h 44.7m	+19° 43′	6.2	23.0	3.1	46.0	22.8	90.7
2705	14 46.6	+16 17	12.9	22.2	6.4	44.4	22.7	91.0
2858	15 19.1	+15 56	13.5	6.7	6.8	13.4	22.7	32.5
2928	15 15.5	+13 6	19.1	8.3	9.6	16.6	22.7	32.1
2866	14 48.6	+13 0	19.3	21.4	9.6	42.8	22.6	91.4
2765	15 11.9	+21 7	3.4	10.3	1.7	20.6	22.8	32.5
							22.7	91.7

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I.

Plate 1440.

Dm.	R.A. h m	Dec.	v	n	$\frac{v}{2}$	n×z.	Dec.+$\frac{v}{2}$	R.A.+(n×z).
2737	15 43.5	+26° 32′	2.4	7.2	1.2	14.4	27.7	67.9 − 1.6 = 56.3
2670	15 9.4	+26 11	3.0	22.4	1.5	44.8	27.7	64.2 + 1.6 = 55.8
3074	15 42.2	+18 37	18.2	7.4	9.1	14.8	27.7	67.0 − 0.9 = 56.1
2797	15 25.5	+16 33	22.2	15.2	11.1	30.4	27.7	58.9 + 0 = 55.9
2906	15 38.1	+17 44	19.9	9.3	10.0	18.6	27.7	56.7 − 0.6 = 56.1
2789	15 7.1	+23 32	8.4	23.6	4.2	47.2	27.7	54.3 + 1.5 = 55.8
							27.7	56.0

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I.

Plate 14 of 1.

Dm.	R.A.	Dec.	v	N	$\frac{v}{2}$	N+2.	Dec.+$\frac{v}{2}$.	R.A. (N×2).
28220	15h 27.9m	+11° 2′	3.6	22.0	1.8	44.0	12.8	71.9
29158	16 07.7	+10 17	6.0	6.9	2.5	11.8	12.8	12.5
30196	15 53.7	+4 60	15.9	9.4	8.0	18.8	12.8	72.5
31101	15 28.5	+1 43	21.8	21.8	10.9	43.6	12.6	72.1
31131	15 40.2 (40.1)	+1 2.1 (60)	21.4	16.0	10.7	32.0	12.7	72.1
31116	15 47.4 (47.7)	+9 9.0 (1)	7.6	12.4	3.8	24.8	12.8	72.5
							12.8	72.3

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I.

Plate 1375.

Dm.	R.A.	Dec.	v	H	v/2	H×2	Dec.+v/2	R.A.+(H×2)
3165	16h 6.1m	+ 5° 24′	4.8	11.1	2.4	22.2	7.8	28.3
3069	15 43.6	+ 4 65.	6.9	22.1	3.0	44.2	7.9	87.8
3092	15 38.6	− 1 21	18.1	24.5	9.0	49.0	17.6	87.6
3174	16 15.1	− 1 44	18.8	6.4	9.4	12.8	17.7	27.9
4052	15 42.3 42.0	− 2 59	21.4	22.8	10.7	45.6	17.7	87.6
3184	16 7.1	+ 6 16	3.0	10.5	1.5	21.0	7.8	28.1
							7.8	87.9

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I

Plate 144 q.

DM.	R.A.	Dec.	v	H	$\frac{v}{2}$	H+z.	Dec.+$\frac{v}{2}$	R.A.+(H+z).
3165	16h 6.1m	+ 5° 24′	4.7	11.6	2.4	23.2	7.8	29.3
3069	15 43.6	+ 4 55	6.8	22.7	2.9	45.4	7.8	89.0
3215	16 14.7	+ 1 22	12.6	7.2	6.3	14.4	7.7	29.1
3174	16 15.1	− 1 44	18.6	7.0	9.3	14.0	17.6	29.1
4052	15 42.0	− 2 59	21.1	23.4	10.6	46.8	17.6	88.8
3096	15 53.7	+ 4 50	6.9	17.7	3.0	35.4	7.8	89.1
							7.7	89.1

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I.

Plate 1454.

DM.	R.A.	Dec.	v	H	½	H+z.	Dec+½.	R.A.+(H+z).
3086	16h 15.5m	+19 30	6.6	7.8	3.3	15.6	22.8	31.1
3074	15 42.2	+18 37	8.3	23.4	4.2	46.8	22.8	89.0
2939	15 40.5	+14 34	16.1	24.4	8.0	48.8	22.6	89.3
3049	16 18.7	+14 22	16.6	6.1	8.3	12.2	22.7	30.9
2954	16 2.6 (6.25)	+12.8 (12.1)	21.1	13.8	10.6	27.6	22.7	30.2
2829	15 44.9 (45.9)	+21 26 (21.3)	28	22.1	14	44.2	22.8	89.1
							22.7	89.9

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I.

Plate 1459.

DM.	R.A.	Dec.	v	π	$\frac{\pi}{2}$	H×z.	Dec.+$\frac{\pi}{2}$.	R.A.+(H×z).
	h m	° ′						
2737	15 43.5	+ 26 32	2.6	22.9	1.3	45.8	27.8	89.3 + 1.7 = 91.0
2817	16 12.4	+ 26 15	3.0	10.0	1.5	20.0	27.7	32.4 − 1.1 = 31.3
3086	16 15.5	+ 19 30	16.4	8.3	8.2	16.6	27.7	32.1 − 0.8 = 31.3
2849	15 49.8	+ 16 9	23.0	20.3	11.5	40.6	27.7	90.4 + 0.5 = 90.9
2982	16 4.9	+ 17 3	21.2	13.3	10.6	26.6	27.6	32.5 − 0.2 = 32.3
2886	15 56.1	+ 23 12	9.2	17.3	4.6	34.6	27.8	90.7 + 0.4 = 91.1
							27.7	91.2

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f.

Plate 1421

H.P.	R.A.	Dec.	V	H	V/2	H×2.	Dec.+V/2	R.A.+(H×2)
3272	Lyra	19h 3.0m	+ 35° 55′	3.4	18.9	1.7	37.8	37.6	40.8 + 1.5 = 42.3
3366	Cygnus	19 27.4	+ 34 12	6.7	9.0	3.4	18.0	37.6	45.4 − 2.0 = 43.4
3232	Lyra	18 54.5	+ 32 32	10.0	22.7	6.0	45.4	37.5	99.9 + 2.5 = 102.4
3362	Cygnus	19 25.9	+ 27 43	19.5	9.2	9.8	18.4	37.5	44.3 − 1.3 = 43.0
3372	Vulpecula	19 29.3	+ 19 31	15.9	7.4	8.0	14.8	27.5	44.1 − 0.9 = 43.2
3265	"	19 1.6	+ 24 4	7.1	20.2	3.6	40.4	27.7	42.0 + 0.9 = 42.9
								37.6	102.9

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Y'

Plate 1600.

H.P.	R.A.	Dec.	r	H	r/2	H+z.	Dec.+r/2.	R.A.+(H+z).
3166 Draco	18h 40.3m	+65° 25'	6.7	22.3	1.8	44.6	67.2	84.9 + 9.9 = 94.8
3316 Cygnus	19 14.3	+53 9	8.5	12.6	4.2	25.2	67.4	39.5 − 2.9 = 36.6
3366 "	19 26.7	+61 28	11.6	8.7	5.8	17.4	67.3	44.1 − 7.1 = 37.0
3254 Lyra	19 58.0	+46 47	20.9	17.9	10.4	35.8	67.2	93.8 + 2.7 = 96.5
3352 Cygnus	19 21.8	+36 5	22.2	9.0	11.1	18.0	47.2	39.8 − 3.5 = 36.3
3224 Lyra	18 51.7	+43 47	7.1	20.4	3.6	40.8	67.4	92.5 + 4.5 = 97.0
							67.3	96.4

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4.

Plate 1501.

H.P.		R.A.	Dec.	v	n	$\frac{v}{2}$	n×2.	Dec.+$\frac{v}{2}$	R.A.+(n×2).
3351	Vulpecula	19 21.0 + 19 62	62	17.5	26	35.0	22.5	66.0 + 0.3 = 56.3
3399	Sagitta	19 34.7 + 17 44	95	11.1	48	22.2	22.5	66.9 − 0.4 = 56.5
3402	"	19 35.7 + 17 12	106	10.7	63	21.4	22.5	67.1 − 0.5 = 56.6
3300	Vulpecula	19 11.1 + 21 11	25	22.1	12	44.2	32.4	55.3 + 1.0 = 56.3
							32.6	56.4

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I

Plate 1502.

H.P.	R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
3291 Lyrae	19 9.7	+ 38 56	7.4	19.9	3.7	39.8	42.6	49.5 + 3.3 = 52.8
3272 "	19 30.0	+ 35 55	13.0	22.9	6.5	45.8	42.4	48.8 + 4.7 = 53.5
3420 Cygni	19 41.8	+ 33 27	17.9	6.9	9.0	13.8	42.4	55.6 − 4.1 = 51.5
3366 "	19 27.4	+ 34 12	16.7	13.1	8.4	26.2	42.6	53.6 − 1.1 = 52.5
3401 "	19 35.6 (32.4)	+ 42 32 (32.5)	20.0	10.1	10.0	20.2	52.5	55.8 − 3.9 = 51.9
3249 Draco	18 57.2 (5.6)	+ 50 22 (40.3)	4.3	23.0	2.2	46.0	52.6	103.2 + 8.7 = 111.9
							52.6	112.4

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4.

Plate 1503.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2	R.A.+(H×2).
3583	Cygnus	20 24.5	+ 29 6.8	6.0	6.4	2.5	10.8	32.5	35.3 - 2.7 = 32.6
3534	Vulpecula	20 10.8	+ 27 27	10.4	11.2	6.2	22.4	32.6	33.2 - 0.9 = 32.3
3485	"	19 56.9	+ 24 36	16.0	17.3	8.0	34.6	32.6	91.5 + 0.4 = 91.9
3433	"	19 45.9	+ 22 18	20.4	22.5	10.2	45.0	32.5	90.9 + 1.2 = 92.1
3453	Aquila	19 50.4 (50.8)	+ 11 6 (21.3)	22.6	20.7	11.3	41.4	22.4	91.9 + 0.5 = 92.4
Not in H.P.		— (74.6)	— (30.2)	4.7	8.8	2.4	17.6	—	— — —
								32.5	92.3

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f

Plate 1504.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H × 2.	Dec. + $\frac{r}{2}$.	R.A. + (H × 2).
3564	Cygnus	20 17.9	+ 39 52	6.5	8.9	2.8	17.8	42.7	35.7 − 4.3 = 31.4
3547	"	20 13.4	+ 37 39	9.9	10.5	6.0	21.0	42.6	34.4 − 2.7 = 31.7
3460	"	19 51.8	+ 34 46	15.8	19.1	7.9	38.2	42.7	90.0 + 2.3 = 92.3
3420	"	19 41.8	+ 33 27	18.1	23.2	9.0	46.4	42.4	88.2 + 4.2 = 92.4
3419	"	19 41.2 (47.8)	+ 44 50 (34.8)	15.5	22.1	7.8	44.2	52.6	85.6 + 6.1 = 91.7
3587	"	20 26.3 (78.4)	+ 48 33 (38.6)	7.9	6.8	4.0	13.6	52.6	39.9 − 8.4 = 31.5
								52.6	91.8

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f.

Plate ~~1488~~ 1488?

H.P.		R.A.	Dec.	v	H	$\frac{H}{2}$	H×2.	Dec.+ $\frac{H}{2}$.	R.A.+(H×2).
3528	bygmus	20 9.9	+46 23	2.9	19.7	1.4	39.4	47.8	49.3 + 4.5 = 53.8
3631	"	20 37.3	+44 51	5.9	10.1	3.0	20.2	47.8	57.5 − 4.3 = 53.2
3564	"	20 17.9	+39 52	15.9	17.0	8.0	34.0	47.9	51.9 + 1.3 = 53.2
3513	"	20 5.0	+36 29	22.0	22.3	11.0	44.6	47.5	49.6 + 4.3 = 53.9
3655	"	20 42.7 (39.3)	+36 3 (36.4)	22.8	7.1	11.4	14.2	47.4	56.9 − 4.8 = 52.1
3532	"	20 10.6 (16.7)	+56 12 (46.2)	6.1	18.4	1.6	36.8	57.8	47.4 + 4.5 = 51.9
								57.4	53.0

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1

Plate ~~+488~~ 1490?

HP		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
3732	Cygnus	21 7.8	+29 44	6.0	22.0	3.0	44.0	32.7	51.8 + 1.8 = 53.6
3840	"	21 38.8	+28 12	9.1	8.6	4.6	17.2	32.8	56.0 − 1.5 = 54.5
3843	Pegasus	21 39.2	+25 6	15.2	8.2	7.6	16.4	32.7	55.6 − 1.2 = 54.4
3773	"	21 18.6	+23 46	17.8	17.5	8.9	35.0	32.7	53.6 + 0.4 = 54.0
3842	"	21 38.8 (37.9)	+16 48 (27.0)	11.4	8.1	5.7	16.2	22.5	55.0 − 0.6 = 54.4
3761	"	21 16.5 (16.7)	+19 17 (29.4)	6.6	18.7	3.3	37.4	22.6	53.9 + 0.5 = 54.4
								32.7	54.2

Dec. +25° to +35°

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I

Plate 1415.

Dm.		R.A.	Dec.	v	H	$\frac{x}{2}$	H×2.	Dec.+$\frac{x}{2}$.	R.A.+(H×2)
2337	12	59.0	+ 36 34	2.5	82	1.2	16.4	37.8	75.4 - 2.7 = 72.7
2332	12	26.5	+ 34 3	7.5	214	3.8	42.8	37.8	69.3 + 2.2 = 71.5
2185	13	0.3	+ 28 25	18.6	7.1	9.3	14.2	37.7	14.5 - 1.8 = 12.7
2354	12	21.7 (42.2)	+ 26 43 (28.2)	21.8	24.1	10.9	48.2	37.6	69.9 + 1.8 = 71.7
2153	12	42.3 (46.4)	+ 28 20 (34.1)	19.0	15.0	9.5	30.0	37.8	72.3 + 0 = 72.3
2369	12	47.3	+ 34 20	7.1	12.9	3.6	25.8	37.9	73.1 - 0.7 = 72.4
								37.8	72.2

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I

Plate 1365.

Dm.		R.A.	Dec.	v	H	v/2	H×2.	Dec.+v/2.	R.A.+(H×2)
2845	16	16.4	+31 14	3.0	17.0	1.5	34.0	32.7	50.4 + 0.6 = 51.0
2668	16	35.8	+29 12	10.8	8.6	5.4	17.2	32.6	63.0 − 1.5 = 51.5
2909	16	5.5	+23 53	17.5	22.0	8.8	44.0	32.7	49.5 + 1.2 = 50.7
2934	16	24.0	+21 49	21.5	13.6	10.8	27.2	32.6	51.2 − 0.2 = 51.0
2970	16	33.5	+23 17	18.5	9.3	9.2	18.6	32.5	52.1 − 0.9 = 51.2
2603	16	6.8	+29 3	11.1	21.2	5.6	42.4	32.6	49.2 + 1.3 = 50.5
								32.6	51.0

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I

Plate 1320.

DM.	R.A.	Dec.	v	H	$\frac{H}{2}$	H × 2.	Dec. + $\frac{H}{2}$.	R.A. + (H × 2).
3029	16 30.1	+ 15 48	3.6	9.8	1.8	19.6	17.6	49.7
3049	16 18.7	+ 14 22	6.6	15.1	3.3	30.2	17.7	48.9
2958	16 0.7	+ 10 17	14.6	23.8	7.3	47.6	17.6	48.3
3164	16 17.1	+ 7 17	20.6	15.7	10.3	31.4	17.6	48.5
3169	16 21.1 (24)	+ 6 48 (6.9)	21.4	23.2	10.7	46.4	17.5	48.5
3063	16 34.1 (33.4)	+ 12 42 (12.7)	9.8	7.7	4.9	15.4	17.6	49.5
							17.6	48.9

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I.

Plate 1366.

DM.	R.A.	Dec.	r	π	$\frac{r}{2}$	π+2.	Dec.+$\frac{r}{2}$.	R.A.+(π+2).
2827	17 2.9	+ 36 8	2.8	22.6	1.4	45.2	37.5	48.1 + 3.1 = 51.2
2864	17 12.0	+ 33 15	8.7	19.0	4.4	38.0	37.6	50.0 + 1.3 = 51.3
3033	17 31.1	+ 30 53	13.2	11.0	6.6	22.0	37.5	53.1 − 1.2 = 51.9
2888	17 40.8	+ 27 48	19.1	6.6	9.6	13.2	37.4	54.0 − 1.9 = 52.1
3034	17 24.9 (24.6)	+ 26 14 (26.3)	22.4	13.5	11.2	27.0	37.4	51.9 − 0.4 = 51.5
2971	17 21.6 (21.8)	+ 34 5.0 (34.1)	5.6	15.0	2.8	30.0	37.6	51.6 + 0 = 51.6
							37.5	51.6

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I

Plate 1372.

DM.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
3183	16	56.4 + 25 44	3.8	85	1.9	17.0	27.6	73.4 − 1.3 = 72.1
2934	16	24.0 + 21 49	11.5	23.2	5.8	46.4	27.6	70.4 + 1.2 = 71.6
3220	16	58.4 + 19 49	15.5	7.4	7.8	14.8	27.6	73.2 − 0.9 = 72.3
3053	16	28.9 + 17 21	20.2	21.2	10.1	42.4	27.5	71.3 + 0.6 = 71.9
3283	16	25.6 24.3 + 20.8 20 48	13.5	23.2	6.8	46.4	27.6	70.9 + 1.1 = 71.8
3069	16	45.2 45.7 + 24.8 24 55	5.6	13.4	2.8	26.8	27.7	72.5 − 0.3 = 72.2
							27.6	71.8

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I

Plate 1381.

Dm.	R.A.	Dec.	r	H	r/2	H×2	Dec.+r/2.	R.A.+(H×2).
3002	16 48.7	+21 13	6.1	20.1	1.6	40.2	22.8	88.9
3179	16 18.0	+15 46	13.6	6.1	6.8	12.2	22.6	30.2
3233	16 42.9	+13 31	18.2	22.9	9.1	45.8	22.6	88.7
3142	16 58.7	+12 57	19.4	15.3	9.7	30.6	22.7	89.3
3161	17 4.0 (63.5)	+12 39 (12.7)	19.9	12.8	10.0	25.6	22.6	29.6
3220	16 58.4 (58.1)	+19 49 (19.7)	6.9	15.6	3.0	31.2	22.8	89.6
							22.7	89.4

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I.

Plate 1373.

DM.	R.A.	Dec.	v	N	$\frac{v}{2}$	N+2.	Dec.+$\frac{v}{2}$.	R.A.+(N+2).
3386	17 11.8	+ 6 15	3.1	19.3	1.6	39.6	7.8	51.4
3390 } 3391 }	17 37.3	+ 2 40	10.0	66	5.0	132	7.7	50.5
3654	17 5.5	+ 0 33	14.2	22.3	7.1	44.6	7.7	50.1
3329	17 18.4	− 1 29	18.4	15.8	9.2	31.6	17.7	50.0
4330	17 11.3	− 2 39	20.5	19.3	10.2	38.6	17.6	49.9
3489	17 36.3	+ 4 38	6.1	7.1	3.0	14.2	7.6	50.5
							17.7	50.4

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I.

Plate 1321

Dm.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3090 17	40.2 + 31 34		1.8	15.4	0.9	30.8	32.5	71.0 + 0.1 = 71.1
2767 17	26.1 + 28 30		7.8	21.6	3.9	43.2	32.4	69.3 + 1.6 = 70.9
3178 18	2.0 + 26 5		12.4	5.7	6.2	11.4	32.3	13.4 − 1.9 = 11.5
3157 17	29.8 + 21 6		22.4	20.2	11.2	40.4	32.3	70.2 + 0.7 = 70.9
3280 17	55.4 + 21 37		21.4	8.4	10.7	16.8	32.3	72.2 − 0.9 = 71.3
3033 17	31.5 + 30 53		3.1	19.3	1.6	38.6	32.5	70.1 + 1.2 = 71.3
							32.4	71.2

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I.

Plate 1465.

DM		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2	Dec.+$\frac{v}{2}$	R.A.+(H×2)
3008	16	25.8 +	11 49	2.0	12.5	1.0	25.0	12.8	50.8
3271	16	38.9 +	8 50	7.8	6.0	3.9	12.0	12.7	50.9
3165	16	6.1 +	5 24	14.6	22.2	7.3	44.4	12.7	50.5
3215	16	14.7 +	1 22	22.6	17.9	11.3	35.8	12.7	50.5
3290	16	34.5 34.4 +	1 16 27	22.2	8.1	11.1	16.2	12.5	50.6
2971	16	4.9 4.6 +	10.1 5	6.3	22.9	2.6	45.8	12.7	50.4
								12.7	50.6

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I.

Plate 1462.

Dm.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3069	16 49.9	+ 16 32	2.4	11.7	1.2	23.4	17.7	73.3
3142	16 58.7	+ 12 57	9.4	7.3	4.7	14.6	17.7	73.3
3008	16 25.8	+ 11 49	11.8	23.3	5.9	46.6	17.7	72.4
3256	16 43.3	+ 7 31	20.2	14.8	10.1	29.6	17.6	72.9
3332	16 53.4	+ 6 48	21.4	9.7	10.7	19.4	17.5	72.8
3029	16 30.1	+ 15 48	3.9	21.1	2.0	42.2	17.8	72.3
							17.7	72.8

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I.

Plate 1474.

Dm.	RA.	Dec.	v	H	v/2	H×2.	Dec.+v/2	RA.+(H×2)
3092	16	47.1 + 10 25	4.5	22.1	2.2	44.2	12.6	91.3
3256	16	43.3 + 7 31	10.1	24.0	5.0	48.0	12.5	91.3
3422	17	19.3 + 4 16	16.5	6.2	8.2	12.4	12.5	31.7
3408	17	9.2 + 1 23	22.1	11.2	11.0	22.4	12.4	31.6
3323	16	44.3 44.1 + 1 1.5 28	21.9	23.6	11.0	47.2	12.5	91.3
3156	17	71.3 11.8 + 11 10.9 2	3.1	10.1	1.6	20.2	12.6	32.0
							12.5	91.5

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I.

Plate 1518.

DM.	R.A.	Dec.	x	H	$\frac{x}{2}$	H×2.	Dec.+$\frac{x}{2}$.	R.A.+(H×2).
3092	16 47.1	+ 10 25	4.9	21.4	2.4	42.8	12.8	89.9
3256	16 43.3	+ 7 31	10.5	23.3	5.2	46.6	12.7	89.9
3422	17 19.3	+ 4 16	16.8	55	8.4	11.0	12.7	30.3
3408	17 9.2	+ 1 23	22.5	10.5	11.2	21.0	12.6	30.2
3323	16 44.1 (44.1)	+ 1 28 (1.6)	22.3	23.0	11.2	46.0	12.7	90.1
3156	17 11.8 (71.3)	+ 11 2 (10.9)	3.6	9.4	1.8	18.8	12.8	30.6
							12.7	90.2

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1.

Plate 1463.

Dm.	R.a.	Dec.	v	H	$\frac{v}{2}$ H×z.	Dec.+$\frac{v}{2}$.	R.a.+(H×z).
2947	16 54.8	+ 31 9	8.6	18.4	4.3 36.8	35.5	91.6 + 1.0 = 92.6
3221	17 9.1	+ 25 1	20.6	12.2	10.3 24.4	35.3	33.5 - 0.6 = 32.9
						35.4	92.8

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I.

Plate 1460.

DM.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
3218	17	27.2 +16 27	2.4	12.4	1.2	24.8	17.6	62.0
3329	17	37.7 +14 29	6.1	7.2	3.0	14.4	17.5	62.1
3165	17	5.6 +10 47	3.5	22.7	1.8	45.4	17.6	61.0
3368	17	19.3 +7 44	19.5	16.0	9.8	32.0	17.5	61.3
3424	17	27.7 +9 42	15.7	12.0	7.8	24.0	17.5	61.7
3207	17	8.0 +14 34	6.2	21.4	3.1	42.8	17.7	60.8
							17.6	61.5

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2.

Plate 1419.

DM.	R.A.	Dec.	x	H	$\frac{x}{2}$	H×2.	Dec.+$\frac{x}{2}$.	R.A.+(H×2).
3034	17 24.9	+ 26 14	3.1	13.5	1.6	27.0	27.8	51.9 − 0.3 = 51.6
3237	17 37.4	+ 24 24	6.5	7.7	3.2	15.4	27.6	52.8 − 1.3 = √1.5
3481	17 20.6	+ 20 13	15.0	15.2	7.5	30.4	27.7	51.0 + 0.1 = √1.1
3216	17 11.7	+ 17 29	20.3	19.5	10.2	39.0	27.7	50.7 + 0.5 = 51.2
3220	17 28.0	+ 16 37	22.3	12.1	11.2	24.2	27.8	52.2 − 0.3 = √1.9
3221	17 9.1	+ 25 1	5.5	20.5	2.8	41.0	27.8	50.1 + 1.0 = √1.1
							27.7	51.4

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G.

Plate 1567.

H.P.	R.A.	Dec.	r	H	r/2	H×2	Dec.+r/2	R.A.+(H×2)
3274	Aquila	19 3.1	+5 53	3.6	14.5	1.8	29.0	7.7	32.1
3343	"	19 19.4	+2 53	9.5	6.3	4.8	12.6	7.7	32.0
3222	Serpens	18 51.2	+2 23	10.6	20.3	5.3	40.6	7.7	91.8
3212	Aquila	18 50.2	−1 57	18.9	20.8	9.4	41.6	17.4	91.8
3260	"	18 59.9 (59.8)	−5 4	5.6	16.1	2.8	32.2	7.7	92.1 −0
3270	Sagittarius	19 2.6 (62.4)	−21 13	17.7	14.8	8.8	29.6	17.6	32.2
								17.6	92.0

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G.

Plate 1597.

H.P.	R.A.	Dec.	r	n	$\frac{r}{2}$	n×2	Dec.+$\frac{r}{2}$	R.A.+(n×2)
3270 Sagittarius	19 2.6	− 21 13	8.0	23.8	4.0	47.6	12.8	50.2 + 1.2 = 51.4
3381 Aquila	19 30.5	− 1 33	8.8	10.5	4.4	21.0	12.8	51.5 − = 51.5
3380 "	19 30.4	− 7 18	20.0	10.6	10.0	21.2	12.7	51.6 − = 51.6
3319 Sagittarius	19 14.7	− 18 4	22.1	18.2	11.0	36.4	12.9	51.1 + 0.4 = 51.5
3373 "	19 29.4	− 25 9	15.6	11.5	7.8	23.0	12.6	52.4 − 0.9 = 51.5
3349 Aquila	19 20.4	+ 0 6	5.5	15.4	2.8	30.8	12.7	51.2 − = 51.2
							12.8	51.4

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G.

Plate 1580.

HP	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3450	Aquila	19 49.4	+6 6	3.4	11.8	1.7	23.6	7.8	73.0 − = 73.0
3436	"	19 46.4	+0 42	14.1	13.3	7.0	26.6	7.7	73.0 − = 73.0
3381	"	19 30.5	−1 33	18.5	21.2	9.2	42.4	17.6	72.9 − = 72.9
3429	"	19 44.9 (45.0)	+8 33 (8.5)	18.5	14.0	9.2	28.0	17.8	72.9 − = 72.9
3380	"	19 30.4 (30.5)	−7 18 (2.7)	10.0	21.2	5.0	42.4	7.7	72.8 − = 72.8
3456	Sagittarius	19 51.1 (50.5)	−15 49 (14.1)	7.1	11.2	3.6	22.4	7.8	73.5 − 0.4 = 73.1
								7.7	73.0

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G.

Plate 1581

H.P.		R.A.	Dec.	V	N	$\frac{V}{2}$	N×2.	Dec.+$\frac{V}{2}$.	R.A.+(N×2)	
3624	Delphinus	20 34.1	+15 29	4.6	8.1	2.3	16.2	17.8	50.3	= 50.3
3592	"	20 27.5	+10 54	13.8	11.2	6.9	22.4	17.8	49.9	= 49.9
3514	Aquila	20 5.1	− 1 11	17.9	22.2	9.0	44.4	17.8	49.5	= 49.5
3608	"	20 32.1 (323)	− 1 31 (8.6)	18.5	8.8	9.2	17.6	17.7	49.7	= 49.7
3574	Capricornus	20 20.4 (20.3)	− 18 36 (11.4)	12.8	14.8	6.4	29.6	7.8	50.0	= 50.0
3554	"	20 14.3 (14.5)	− 15 10 (14.8)	6.1	17.7	3.0	35.4	7.8	49.7	+0.2 = 49.7
								17.8		49.8

This plate to be examined for identification of additional exposure when Dec Chart 20h Dec −2° h −23° arrives.

Mch. 29, 88. This plate has been examined and no stars found on it in this exposure

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G.

Plate 1598.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec. + r/2.	R.A. + (H×2).
3739	Equuleus	21 9.8	+4 45	6.0	10.6	3.0	21.2	7.8	31.0 − = 31.0
3693	"	20 53.1	+3 50	7.8	18.8	3.9	37.6	7.7	90.7 − = 90.7
3726	"	21 4.5	+9 39	16.0	13.2	8.0	26.4	17.6	30.9 − = 30.9
3723	Aquarius	21 3.1	−11 51	19.0	14.1	9.5	28.2	17.7	31.3 − = 31.3
3756	Capricornus	21 15.6	−17 21	10.1	8.1	5.0	16.2	7.6	31.8 − 0.7 = 31.1
3664	Aquarius	20 45.8	−5 57	7.3	22.5	3.6	45.0	7.6	90.8 − = 90.8
								17.7	91.0

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1887phae.proj..839f

G.

Plate 1585.

H.P.	R.A.	Dec.	r	π	$\frac{r}{2}$	π × 2.	Dec. + $\frac{r}{2}$.	R.A. + (π × 2).
3951	Pegasus	22 15.6	+11 36	2.2	7.4	1.1	14.8	12.7	30.4
3881	"	21 54.1	+ 6 9	13.0	17.9	6.5	35.8	12.7	89.9
3948	"	21 14.4	+ 5 11	14.9	7.9	7.4	15.8	12.6	30.2
3898	"	21 59.6	+ 4 28	16.4	15.2	8.2	30.4	12.7	90.0
3946	Aquarius	22 139	- 8 25	21.9	8.2	11.0	16.4	12.6	30.3
Not in H.P.		~	~	12.8	22.0	6.4	44.0	~	~
								12.7	90.1

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G

Plate 1602.

HP		R.A.	Dec.	r	n	$\frac{r}{2}$	n×z.	Dec.+$\frac{r}{2}$.	R.A.+(n×z).	
3592	Delphinus	20 27.5	+10 54	3.6	21.6	1.8	43.2	12.7	70.7	~ = 70.7
3659	"	20 43.9	+ 7 25	10.3	13.5	5.2	27.0	12.6	70.9	~ = 70.9
3693	Equuleus	20 53.1	+ 3 50	17.5	9.1	8.8	18.2	12.6	71.3	~ = 71.3
3712	Capricornus	20 59.2 (58.0)	- 17 43 (2.4)	20.3	6.5	10.2	13.0	12.5	72.2	- 0.8 = 71.4
3609	"	20 32.6	- 15 23 (4.8)	15.6	19.2	7.8	38.4	12.4	71.0	+ 0.3 = 71.3
3647	Aquarius	20 41.2 (40.8)	- 9 56 (10.1)	5.0	15.1	2.5	30.2	12.6	71.4	~ = 71.4
								12.6	71.2	71.2

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G.

Plate 1603.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3726 Equuleus	21 4.5	+9 39	5.8	22.7	2.9	45.4	12.5	49.9 ~ = 49.9
3836 Pegasus	21 38.3	+9 20	6.4	6.1	3.2	12.2	12.5	50.5 ~ = 50.5
3812 "	21 31.7	+6 5	12.6	9.2	6.3	18.4	12.4	50.1 ~ = 50.1
3739 Equuleus	21 9.8	+4 45	15.6	20.0	7.8	40.0	12.6	49.8 ~ = 49.8
3756 Capricornus	21 15.6	-17 21	19.3	17.2	9.6	34.4	12.2	50.0 + 0.2 = 50.2
3809 "	21 30.4	-20 0	5.0	10.5	2.5	21.0	2.5	51.4 - 0.6 = 50.8
							12.4	50.2

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G.

Plate 1606.

H.P.		R.A.	Dec.	r	H	$\frac{r}{2}$	H×2.	Dec.+$\frac{r}{2}$.	R.A.+(H×2).
4013	Pegasus	22 35.5	+10 12	22	15.6	1.1	31.2		
4051	"	22 49.2	+ 8 11	8.9	11.5	4.4	23.0		
4077	Pisces	22 57.8	+ 3 10	8.6	7.1	4.3	14.2		
				21.1	13.0	10.6	26.0		
				20.2	18.7	10.1	37.4		
				6.6	21.4	3.3	42.8		

4013	Pegasus	22	35.5	+10 12	5.0	18.1	2.5	36.2	12.7	71.7 − = 71.7
4051	"	22	49.2	+ 8 11	8.9	11.5	4.4	23.0	12.6	72.0 − = 72.0
4077	Pisces	22	57.8	+ 3 10	18.6	7.1	9.3	14.2	12.5	72.0 − = 72.0
4040	Aquarius	22	46.4 (45.0)	− 8 (2.0) 13	21.1	13.0	10.6	26.0	12.4	72.4 − = 72.4
4007	Piscis Austr.	22	34.0 (34.5)	− 27 (2.5) 40	20.2	18.7	10.1	37.4	12.4	71.4 + 0.9 = 72.3
3994	Aquarius	22	29.2 (29.1)	− 0 (9.3) 44	6.6	21.4	3.3	42.8	12.6	72.0 − = 72.0
									12.5	72.1

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G.

Plate 1608.

H.P.	R.A.	Dec.	r	H	r/2	H×2.	Dec.+r/2.	R.A.+(H×2).
4080	Pegasus	22 58.8	+14 34	6.5	15.5	3.2	31.0	17.8	89.8 ~ = 89.8
4051	"	22 49.2	+8 11	19.0	20.3	9.5	40.6	17.7	89.8 ~ = 89.8
4102	"	23 5.7	+8 4	19.1	12.3	9.6	24.6	17.7	30.3 ~ = 30.3
4096	Aquarius	23 3.5	−23 6	21.4	13.8	10.7	27.6	17.6	31.1 − 0.2 = 30.9
4040	"	22 46.4	−8 13	11.9	21.9	6.0	43.8	7.8	90.2 ~ = 90.2
4137	"	23 16.4	−15 42	6.8	7.6	3.4	15.2	7.7	31.6 − 0.5 = 31.1
								17.7	90.4

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4

Plate 1550.

H.P.	R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$.	R.A.+(H×2).
3132	Lyra	18 28.3	+30 28	4.4	20.3	2.2	40.6	32.7	68.9 +1.5 = 70.4
3177	"	18 41.2	+26 32	12.4	14.8	6.2	29.6	32.7	70.8 −0.1 = 70.7
3209	Hercules	18 49.7	+22 30	20.3	11.0	10.2	22.0	32.7	71.7 −0.6 = 71.1
3259	Aquila	18 59.9 (58.0)	+13 41 (23.7)	18.0	5.9	9.0	11.8	22.7	71.7 −0.7 = 71.0
3127	Hercules	18 25.7 (26.3)	+16 51 (26.9)	11.6	22.2	5.8	44.4	22.6	70.1 +0.6 = 70.7
3184	Lyra	18 43.5 (42.0)	+31 38 (31.6)	2.2	13.9	1.1	27.8	32.7	71.3 −0.3 = 71.0
								32.7	70.8

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4

Plate 1551.

H.P.	R.A.	Dec.	r	π	r/2	π × 2.	Dec. + r/2.	R.A. + (π × 2).
3110	Lyræ	18 20.3	+39 27	6.4	22.7	3.2	45.4	42.6	65.7 + 5.5 = 71.2
3147	"	18 32.9	+38 40	8.4	17.9	4.2	35.8	42.9	68.7 + 1.8 = 70.5
3272	"	19 3.0	+35 55	13.2	5.9	6.6	11.8	42.5	15.8 − 5.4 = 10.4
3193	"	18 45.6	+33 13	18.9	12.8	9.4	25.6	42.6	71.2 − 1.1 = 70.1
3146	"	18 32.2 (34.0)	+33 22 (33.3)	18.6	18.3	9.3	36.6	42.7	68.8 + 1.7 = 70.5
3249	Draco	18 57.2 (57.6)	+50 22 (40.6)	4.0	9.5	2.0	19.0	52.4	76.2 − 5.9 = 70.3
								52.6	70.3

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I.

Plate 154 z.

H.P.	R.A.	Dec.	v	π	$\frac{v}{z}$	π × z.	Dec. + $\frac{v}{z}$.	R.A. + (π × z.
3272 Lyræ	19 3.0	+ 35 55	6.2	17.7	1.6	6.54	37.5	38.4 + 1.0 = 39.4
3366 Cygnus	19 27.4	+ 34 12	6.6	7.8	3.3	15.6	37.5	43.0 − 2.6 = 40.4
3282 Lyræ	18 54.5	+ 32 32	10.0	21.4	6.0	42.8	37.5	99.3 + 1.9 = 99.3
3362 Cygnus	19 25.9	+ 27 43	19.5	8.0	9.8	16.0	37.5	41.9 − 1.6 = 40.3
3342 "	19 19.4	+ 29 23	16.2	10.9	8.1	21.8	37.5	41.2 − 1.1 = 40.1
3271 Lyræ	19 2.9	+ 32 18	10.5	17.8	6.2	35.6	37.5	38.5 + 0.9 = 39.4
							37.5	99.8

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L.

Plate 1568.

H.P.		R.A.	Dec.	v	H	$\frac{v}{2}$	H×2.	Dec.+$\frac{v}{2}$	R.A.+(H×2).
3166	Draco	18 40.3	+55 25	4.6	20.9	2.3	41.8	57.7	82.1 + 7.5 = 89.6
3268	"	19 22	+53 14	9.1	14.7	4.6	29.4	57.8	31.6 − 0.5 = 31.1
3365	Cygnus	19 26.7	+51 26	12.4	7.2	6.2	14.4	57.7	41.1 − 8.7 = 32.4
3254	Lyra	18 58.0	+46 47	21.8	16.2	10.9	32.4	57.7	90.4 + 1.2 = 91.6
3249	Draco	18 57.2 (58.6)	+50 22 (50.3)	14.8	16.3	7.4	32.6	57.8	89.9 + 1.3 = 91.2
3316	Cygnus	19 14.3 (69.0)	+53 9 (53.1)	9.3	11.1	4.6	22.2	57.8	36.5 − 4.5 = 32.0
								57.8	91.3

This plate has only one exposure.

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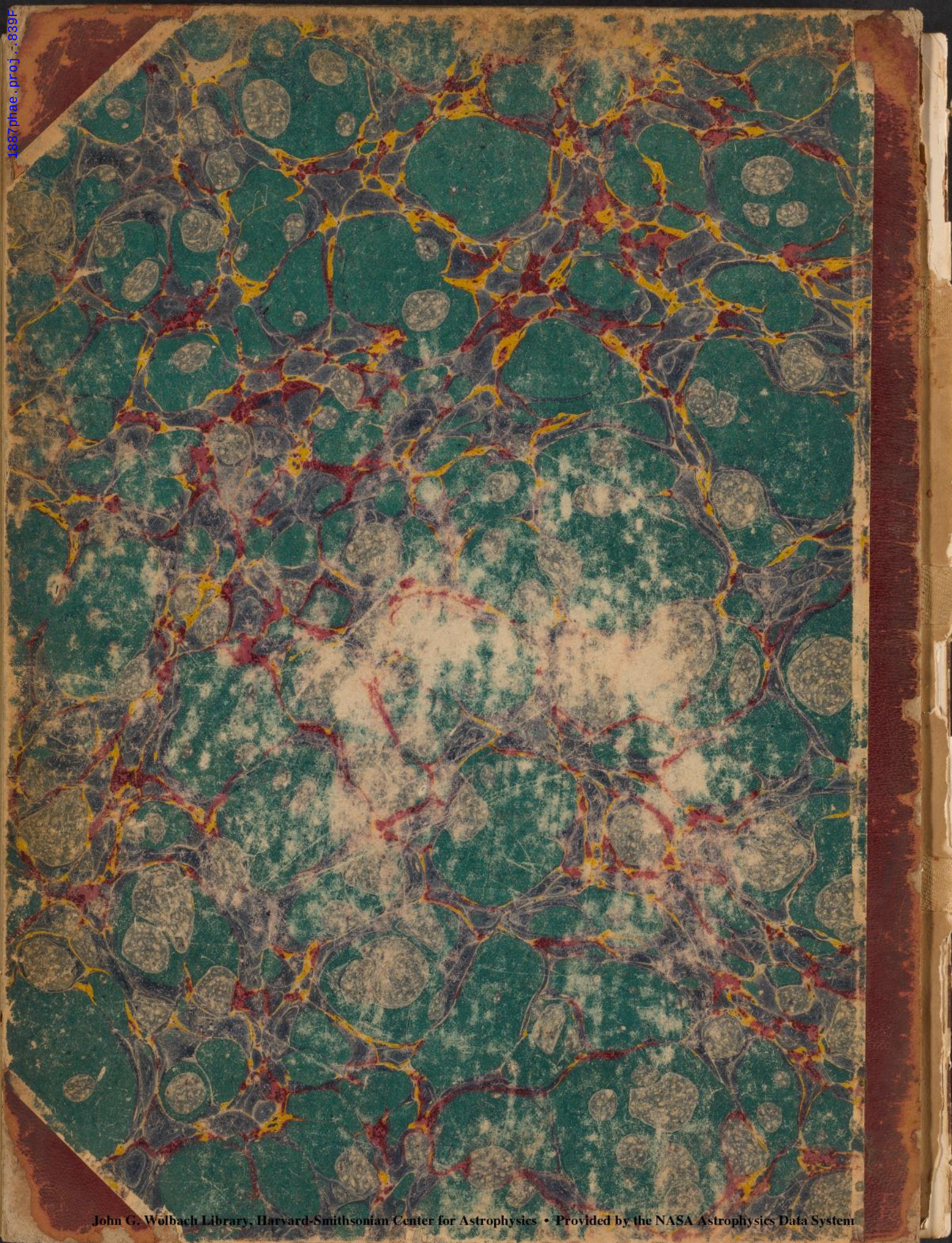
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