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Sept. 23, 1932 p. 1 Sept. 23, 1932

State of New Neb. Survey

New neb.	71, 100
Pos. found	8, 900
Class. made	4, 650
Mags. determined	4, 100

Note:

1: The above excludes all neb. catalogued to the present date, i.e. N.N., Mengel-Shapley-Campbell jr., N.G.C., I.C. and Coma Virgo proper.

2: A 15% correction of the results of Dec. 29, 1930 for no. of new neb. found + a 10% correction for the new neb. found thru' Sept. 22, 1932 (A 14126) was made to give the above.

Oct 24, 34 — Total neb. MC + A = 132,000

A — TOTAL NEW NEB THRU APRIL 1, '35 = 123,800 + apr 1935 1 – Mar. 11, 1936 21,417 =

MC – " " " " " 10, '35 = 28,800

152,600

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1932phae.proj : 2336M

1.) Total no. of plates 175+m 342
Ex. for nebulae

2.) Plates on which no nebulae were found (175+m) 58

3.) of the remaining 284

75% have positions completed

58% have classifications completed

4.) 17.1%, approximately, of the sky covered by examined 9 plates 175+m exp.

5.) There are remaining 8 to be examined now So. African plates covering approximately 1.6% of the sky.

6.) Material used in above:

a.) 213 plates examined & pos. determined

b.) 166 plates also classified

c.) 1 9 plate covers .06% of the sky

d.) There are 41,253 sq. degrees of sky

April 15-1930

V 45, 217

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In order of date of examination

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1932phae.proj.2330m

Notes on Examination of Bruce Plates for Faint Nebulae

Region: Gal. Lat. +40° to -40°, ~~(except +5 to 5°)~~
Gal. Long. 280° to 330°

cc A 13362 R.A. 12.40 Dec -25 λ 270, B +37 Exp 180
Nebulae already marked - none
New nebulae: certain 1-188-190
doubtful a-g-aa
Observed Aug 4-5 '27 by M. R. D and S. F. M. checked by H.S.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. 3, p. 90 M.E.M.

cc A 13461 R. A. 16.00, Dec. -30. λ 314, B +15 Exp. 185
nebulae already marked - none
New nebulae certain 1-23
doubtful a-o
Observed Aug. 6, '27, by M. R. D.
Comparison stars identified by M.E.M.
Position of nebulae Bk. II p. 155 - S.F.M.
Classification Bk D p. 22 - S.F.M.

cc A 13041 R. A. 14.30, Dec. -37.5 λ 294 B +00 Exp 180
nebulae already marked - none
New nebulae certain 1-18
doubtful a-r checked by H.S.
Observed Aug. 5, '27, by M. R. D.
Position Nov. 25, 1927. C. D. B. ~~cc~~ b. 1. b 49-51
Classification Bk D p. 16 - S. F. M.

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CC A. 8494 R.A. 20h 11m, Dec. -47.5, 2 320 B—36 Gp. 243
nebulae already marked - none
new nebulae certain 1–135
doubtful a–ab
Observed Aug. 5, '27, by M.R.D.
Checked by H.S.
Comparison stars identified by M.E.M.
Magnitudes Bk. C, p. 53 by S.Lel. Positions of nebulae - Bk. H p. 122 - S.F.M.
Classification of nebulae - Bk. B p. 148 - S.F.M.

CC A. 13342 R.A. 15.00, Dec. -25, 2306 B +27 Gp. 180
nebulae already marked - none
new nebulae certain 1–50
doubtful a–p
Observed Aug. 6, '27 by M.R.D.
Comparison stars identified by M.E.M.

CC A. 13039 R.A. 14.30, Dec. -32.5 2295 B+24 Gp. 180
nebulae already marked none
new nebulae certain 1–45
doubtful a–p
Observed Aug. 6, '27 by M.R.D.
Positions Dec. 7, 1927 C.D.B. see Bk I p. 52-65
Classification Bk. D p. 103 - S.F.M.

CC A 13017 R.A. 15.10, Dec. -22.5, 2310 B + 28 Gp 180
nebulae already marked - none
new nebulae certain 1–22
doubtful a–8
Examined Aug. 8, '27 by M.R.D.
Positions Nov. 1927 C.D.B. see B I, p. 45-46
Classification Bk. D p. 101 - S.F.M.

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1932phae.proj - 2330M

CC A. 4749, R.A. 20.20, Dec. -72.5 λ 289, β -34 Exp. 240
Nebulae already marked on plate none - Stewart 18 ??
H.A.60.
new nebulae certain 1-96
doubtful a-c
Observed Aug. 8, 27, by M. R. D.
Positions of nebulae - Bk. 4, p. 104 - S.F.M.
Classification of nebulae - Bk. B p. 159 - S.F.M.

Comparison stars identified by S.F.M.
~~Positions C.I~~

CC A. 12415, R.A. 13.50, Dec. -30.0, λ 283, β +31 Exp. 240
Nebulae already marked. - none
New nebulae certain, 1-402-412-1083
doubtful, a-cm
Observed Aug. 9, 1927, by S.F.M.
Comparison stars identified by M.E.M.
Mag., Diam. & Class of Nebulae in Universe in back of Bk. C.
Classification of nebulae, Bk. E, p. 10 - S.F.M.
Magnitudes of nebulae, Bk. C, p. 76 - S.F.M.

CC A 6770 R.A. 20.21, Dec. -57.5, λ 308, β -37, Exp 240
nebulae already marked on plate none - erased
but Frost found 18
new nebulae certain 1-62
doubtful a-g
Observed Aug. 9, 1927 by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk 4 p. 95 - S.F.M.
Classification Bk. B p. 124 - S.F.M.

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1932phae.proj.233M

cc A.5548 R.A. 19 20, Dec. -62.5, λ 302, β -29 Exp. 240
nebulae already marked - none, but 5
found by Stewart were erased
new nebulae, certain 1- 127
doubtful a - ai
Observed Aug. 10, '27 by S.F.M.
Comparison stars identified by S.F.M.
Positions of nebulae, Bk. 4 p. 147 - S.F.M.
Classification of nebulae Bk. D p. 31 - S.F.M.

cc A.3810 R.A. 18 51, Dec. -37.5, λ 327, β -18 Exp. 303
nebulae already marked - one
new nebulae, certain 1- 58
doubtful a - o
Observed Aug. 10, '27 by S.F.M.
Pos. C.D.B. en Bk I p. 94-100
Classification Bk. D p. 24 - S.F.M.

cc A.13043 R.A. 14 30, Dec. -42.5, λ 291, β +15 Exp. 180
nebulae already marked - none
new nebulae, certain 1- 29
doubtful a - E
Observed Aug. 11 '27 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk. 4 p. 141 - S.F.M.
Classification Bk. D p. 20 S.F.M.

cc A 2519 R.A. 13.30, Dec. -30, λ 282, β +31 Exp. 243
Mengel's marking incomplete - no pos. measured
nebulae already marked - 103
New nebulae, certain 1-478
doubtful a - a8
Observed Aug. 10 and 11, 1927 by M.E.D.
Comparison stars identified by M.E.D.

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cc A 8956, R.A. 17.30, Dec. -52.5, λ 307, β -13, Exp. 224
No nebulae marked
~~New nebulae — 15 — M.E.M. June 27, 1930.~~
~~No nebulae found~~
Observed Aug. 11, 1927 by M.R.D.
Positions of nebulae - Bk. 6 p. 184 - M.E.M.

cc A 3078 R.A. 13.33, Dec. -30.4 λ 269 β +31 Exp 243
marked by Mengel
See plate 2519 for nebulae.
Aug. 10, and 11, 1927, M.R.D.

cc H. 9017 R.A. 19 10, Dec. -52.5 λ 312, β -26, Exp. 240
nebulae already marked - none
new nebulae certain 1 - 30
doubtful a - e
Observed Aug. 11 1927, by L.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae - M.E.M. Bk. 3, p. 61
Classification Bk B p. 189 - L.F.M.

cc H. 12043 R.A. 16 20 Dec. -24.5 λ $\frac{321}{319}$ β $\frac{+16}{+10}$, Exp. 360.
nebulae already marked - none
new nebulae, certain 1 = I 4596
doubtful ~~x~~ - ~~x~~
Observed Aug. 11, 1927, by L.F.M.

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cc A 4599, R.A. 17.50, Dec. −72.50, λ 289, β −23 Gp 245
nebulae already marked 8, but
card says Stewart found 5.
new nebulae, certain, 1–47
doubtful a–d
Observed Aug. 12, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae – Bk. 4 p. 111 – S.F.M.
Classification Bk. 5 p. 174 – S.F.M.

cc A. 10241, R.A. 18.50, Dec. −37.5, λ 326, β −19, Gp 258
nebulae already marked – none
new nebulae 1–3
Observed Aug. 12, 1927, by M.R.D.

cc A. 12420, R.A. 16 22, Dec. −24.0, λ ~~314~~ 321, β ~~+18~~ +15, Gp. 360
Nebulae already marked – none
New nebulae one – checked on new neb.
Observed Aug. 12, 1927, by S.F.M.

cc A. 12037, R.A. 16 24, Dec. −24.5, λ ~~314~~ 321, β ~~+11~~ +15, Gp. 300
Nebulae already marked – none
New nebulae two
doubtful – none
Observed Aug. 12 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. D p. 152 – S.F.M.
Classification, Bk. D p. 76 – S.F.M.

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cc A.13454 R.A. 16 00 Dec. -25, λ 317, β +19, Cyp. 183
nebulae already marked - none
new nebulae, 1-16
doubtful a-c
Observed Aug. 12 1927 by ~~H~~ S. F. M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. II p. 150 - S.F.M.
Classification Bk. D p. 21 - S.F.M.

cc A.6714, R.A. 13.30, Dec. -27.5, λ 283, β +34, Cyp. 225.
nebulae already marked - 53 by Hrost
new nebulae, certain (1 - 148) 140
doubtful a-f
Observed Aug. 12, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk I p 112 - M.E.M.

cc A 5459, R.A. 18.20, Dec. -62.5, λ 300, β -22, Cyp. 265
Nebulae already marked - 39 by Stewart
New nebulae, certain - 1 - 33
doubtful a-e
Observed Aug. 12, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. II p. 122 - S.F.M.
Classification Bk. D p. 137 S.F.M.

cc A 8377, R.A. 17. 03, Dec. -59, λ 299, β -14, Cyp 120
Old nebulae - 34 - but marks erased.
~~29~~ new nebulae - 12 S.F.M.
Observed Aug. 12, 1927, by M. R. D.
Comparison stars identified by C.D.B.
Pos. of nebulae Bk. II p. 152, S.F.M.
Classification, Bk. D p. 213 - S.F.M.

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cc A8488, R.A. 18.53, Dec. -46.0, λ 319, β -21, Cyp. 120
Old nebulae - 24 - marks erased
New nebulae 1-20; doubtful a.
Observed Aug. 12, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Aug. 8, 1928 by M.E.M. Bk 3 p 118
Classification, Bk. D p. 5 - S.F.M.

cc A4611, R.A. 18.20, Dec. -67.5, λ 295, β - 24, Cyp 242
Old nebulae 11 marked, Stewart 4
New nebulae, certain 1-47
doubtful a-f
Observed Aug. 12, 1927, by M. R. D.
Comparison stars identified by S.F.M.
Positions of nebulae by M.E.M. Bk. 3, p. 114
Classification of nebulae - Bk. B p. 187 - S.F.M.

cc A4759 R.A. 20.00, Dec -72.5, λ 288, β -37, Cyp 245
Old nebulae marked by Stewart 15
new nebulae 1-65
doubtful a-c
Examined Aug. 12, 1927 by M. R. D.
Comparison stars identified by S.F.M + M.R.D.
Positions of nebulae Bk. 4 p. 142 - S.F.M.
Classification of nebulae Bk. D p. 28 - S.F.M.

cc A. 13019, R.A. 16 30, Dec. -22.5, λ 324, β +15, Cyp. 180
Old nebulae - none
new nebulae - none
doubtful, a - b
Examined Aug. 15, 1927 by S.F.M.
Position Nov. 1927 C.D.B. See B I, p. 43
Classification Bk. D p. 23 - S.F.M.

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1932phae.proj.233M

CC A. 10242, R.A. 18 53, Dec. -37.5, λ 327, β -19, Eq p.240
Old nebulae - none
~~New nebulae - three (1-3)~~
~~doubtful~~ - none
Observed Aug. 15, 1927 by S.F.M.
Checked by S.F.M. - no new nebulae

CC A. 10061, R.A. 18 53, Dec. -37.3, λ 327, β -19, Eq p. 240
Old nebulae - none
New nebulae - one - 2
doubtful - none.
Observed Aug. 15, 1927 by S.F.M.
Comparison stars identified by MEM
Positions of nebulae Bk. II p. 112 S.F.M.
Classification Bk. D p. 25. S.F.M.

CC A. 12497 R.A. 16 22, Dec. -24.1, λ ~~314~~ 321, β ~~+10~~ +15, Eq 360 & 360
Old nebulae - none
New nebulae - one I.C. object on #3635
doubtful - none
Observed Aug. 15, 1927 by S.F.M.

CC A. 10231, R.A. 19 00, Dec. -37.5, λ 327, β -20, Eq. 202
Old nebulae - none
New nebulae - one
doubtful - a
Observed Aug. 15, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Position of nebulae. Bk. II p. 111. S.F.M.
Classification Bk. D p. 25 - S.F.M.

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cc A. 5455, R.A. 17 22 Dec. -63.0, λ 296, β -17 Exp. 181
Old nebulae - 10
New nebulae, 1-5
doubtful, none
Observed Aug. 15, 1927 by S.F.M.
Comparison stars identified by M.E.M.
No new nebulae
Classification J.C. + H.C. Bk. B p. 137 S.F.M.

cc A. 6852, R.A. 18 30 Dec. -47.5, λ 325, β -18, Exp. 240
Old nebulae - none - Frost
New nebulae, 1-18
doubtful a-d
Observed Aug. 16, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Pos. of nebulae, Bk. II p. 157 - S.F.M.
Classification Pos. B p. 214 - S.F.M.

cc A. 6851, R.A. 18 11 Dec. -52.5, λ 309, β -18, Exp. 240
Old nebulae - Frost none
New nebulae, 1-12
doubtful, a-b
Observed Aug. 16, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Pos. of nebulae, Bk. II p. 159, S.F.M
Classification, Bk. B p. 183, S.F.M.

cc A. 6840, R.A. 17 52 Dec. -57.5 λ 303/210, β -17 Exp. 210
Old nebulae - Frost found 4 but 22 others marked.
New nebulae, 1-4
doubtful, a-b.
Observed Aug. 16, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Pos. of nebulae Bk. II p. 131 - S.F.M.
Classification Bk. B p. 179 - S.F.M.

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CC A. 5452, R.A. 17 50 Dec. -62.5 λ 299, β -19 Exp. 241
Old nebulae - Stewart found 4 but marks were erased
New nebulae - 22
doubtful a - k
Observed Aug. 16, 1927 by S.F.W.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. II p. 120 S.F.W.
Classification Bk. B p. 179 - S.F.W.

CC A. 5463, R.A. 16 50 Dec. -62.5 λ 295, β -13 Exp. 240
Old nebulae - Stewart found none but 23 marked on plate.
New nebulae 1 - 17
doubtful a - b
Observed Aug. 16, 1927 by S.F.W.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. II p. 105 - 109 S.F.W.
Classification Bk. B p. 135 S.F.W.

CC A. 5451, R.A. 16 20 Dec. -62.5, λ 292, β -11, Exp. 240
Old nebulae - Stewart none
New nebulae 1 - 9
doubtful - a
Observed Aug. 16, 1927 by S.F.W.
Pos. Jan. 1928 C.B. en Bk I p 101-103
Classification Bk. B p. 134 S.F.W.

CC A. 4539, R.A. 16 20, Dec. -67.5 λ 289, β -13, Exp. 275
Old nebulae - Stewart none but 4 marked
New nebulae 1 - 7
doubtful - a
Examined Aug. 16, 1927 by S.F.W.
Comparison stars identified by S.F.W.

Pos. of neb.
S.F.W. Bk. II p. 66-69
Classification
Bk. Dyp. 15 - S.F.W.

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cc A. 4534, R.A. 15 40, Dec. -67 7, λ 286, β -12, Exp. 240
Old nebulae - Stewart 5 but marks erased
New nebulae, 1 - 7
Observed Aug. 16, 1927 by S. F. M.
Comparison stars identified by M.E.M.
Pos. of neb. Bk. II. p. 63 S. F. M.
Classification Bk. II. p. 135 - S. F. M.

cc A. 4545, R.A. 16 20, Dec. -72.6, λ 286, β -17, Exp. 270
Old nebulae - Stewart none but 6 objects marked on plate, 4 of which are certain nebulae.
New nebulae, 1 - 5
Observed Aug. 17, 1927 by S. F. M.
Comparison stars identified by S. F. M.
2 new nrs. - also found on A. 4539 & A. 4562

cc A. 4537, R.A. 16 4, Dec. -77.8, λ 281, β -19, Exp. 270
Old nebulae - Stewart 2 but 4 marked on plate
New nebulae - 1 - 4 5
Observed Aug. 17, 1927 by S. F. M.
Comparison stars identified by M.E.M.
Pos. stars & nebulae Mar. 15, 1928, Bk. II. p. 102, S. F. M.
Classification Bk. II p. 160 - S. F. M.

cc A. 4533, R.A. 15 0, Dec. -72.6, λ 280, β -13, Exp. 240
Old nebulae - Stewart 2 but 19 other objects marked on plate, some of which are certain nebulae
New nebulae, certain, 1 - 5, 6 - 23
doubtful, a - c
Observed Aug 17, 1927 by S. F. M.
Classification Bk. II p. 161 - S. F. M. Checked by V. S.
Pos. of neb. Bk. II p. 82 - 84 S. F. M. Comparison stars identified by S. F. M.

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cc A. 13471, R.A. 16 00, Dec. -35.0, λ 310, β +11, Exp. 165
Old nebulae – none
New nebulae certain, 1-8
doubtful, a
Observed Aug. 17, 1927 by S.F.M.
Comparison stars identified by Mem.
Pos. of nebulae, S.F.M., Bk. II p. 110
Classification Bk. D p. 23 - S.F.M.

cc A. 3635, R.A. 16 13 Dec. -20.9 λ 322 β +19, Exp. 180
Old nebulae – 3 objects marked
New nebulae certain; 1-18
doubtful a-c
Observed Aug. 17, 1927 by S.F.M.
Comparison stars identified by F.M.
Pos. of nebulae, S.F.M., Bk. II, p. 70-72
Classification Bk. D p. 18 - S.F.M.

cc A. 3632, R.A. 16 14, Dec. -21.2 λ 322, β +18, Exp. 240
Old nebulae - Stewart none
New nebulae certain, 1-3
Observed Aug. 17, 1927 by S.F.M.
Comparison stars identified by F.M.

cc A. 3630, R.A. 16 17, Dec. -20.9 λ 323, β +18, Exp. 240
Old nebulae - Stewart none
New nebulae certain, 1-3
doubtful, a
Observed Aug. 17, 1927 by S.F.M.
Comparison stars identified by F.M.

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CC A. 13021, R.A. 16 30, Dec. -27.5, λ 320, β +12, Exp. 180
Old nebulae - none
New nebulae certain, 1-11
doubtful, a-g
Observed Aug. 18, 1927 by S.F.M.

CC A. 12576, R.A. 16 54, Dec. -37.0, λ 327, β -19, Exp. 300
Old nebulae - none
New nebulae certain, 1-13
doubtful, a-c
Observed Aug. 18, 1927 by S.F.M.

CC A. 3690, R.A. 16 12, Dec. -22.4, λ 321, β +18, Exp. 270
Old nebulae - Stewart 2 but marks erased
New nebulae certain, 37, 45
doubtful, a-k
Observed Aug. 18, 1927 by S.F.M.
Comp. stars - S.F.M.
Pos. of neb. Bk. II p. 153 - S.F.M.
Classification Bk. D p. 20 - S.F.M.

CC A. 6453, R.A. 16 16, Dec. -32.7, λ 314, β +11, Exp. 240
Old nebulae - Frost 2
New nebulae certain, 1-4
Observed Aug. 18, 1927 by S.F.M.
Pos. C.D.B. Jan. 1928. See Bk. I p. 103
Classification Bk. D p. 19 - S.F.M.

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CC A. 6766, R.A. 14 50, Dec. -42.3, λ 294, B +13, Exp. 240
Old nebulae - Frost 7
New nebulae certain, 1-35
doubtful, a-d
Observed Aug. 18, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Pos. of nebulae, Bk. II p. 125-130, S.F.M.
Classification Bk. D p. 12 - S.F.M.

CC A. 6745, R.A. 17 22, Dec. -57.5, λ 301, B -13, Exp. 240
Old nebulae - Frost 3
New nebulae certain 1-15
doubtful, a-c
All nebulae marked by W.F. for examination
Observed Aug. 18, 1927 by S.F.M.
Plate poor, badly and not recommended.
Comparison stars identified by S.F.M.

CC A. 6764, R.A. 14 30, Dec. -47.6, λ 289, B +10, Exp. 240
Old nebulae - Frost 2 but 3 marked
New nebulae certain, 1-12
doubtful, a-b
Observed Aug. 18, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. II p. 124 S.F.M.
Classification Bk D p. 12. S.F.M.

CC A. 6765, R.A. 14 10, Dec. -42.2, λ 288, B +17, Exp. 240
Old nebulae - Frost 9 but 13 marked
New nebulae certain - 1-21
doubtful, a-f
Observed Aug. 19, 1927 by S.F.M.
Pos. of nebulae Bk. II p. 146 S.F.M. (Class. Bk. D p. 10 - S.F.M.)

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1932phae.proj.2338M

CC A.8368, R.A. 14 4P Dec. -45.2, λ 293 B +11, Exp. 120
Old nebulae - Bailey 9 but marks partially erased
New nebulae certain, 1-12
doubtful, a-c
Observed Aug. 19, 1927 by S.F.M.
Comparison stars identified by C.D.B.
Pos. of nebulae Bk. D p. 153 - S.F.M.
Classification Bk. D p. 20 - S.F.M.

CC A.6751, R.A. 14 10, Dec. -52.5, λ 284, B ~~+5~~ +8, Exp. 240
Old nebulae - Frost none
New nebulae certain 1-3
doubtful, a-b
Observed Aug. 19, 1927 by S.F.M.
Pos. C.D.B. Jan. 1928. See Bk. I p. 104
Classification Bk. D p. 70, S.F.M.

CC A.8374 R.A. 13 49, Dec. -44.6, λ 282, B +16, Exp. 120
Old nebulae - Bailey 14 but marks erased
New nebulae certain, 5
doubtful, a-d
Observed Aug. 19, 1927 by S.F.M.
Comparison stars identified by C.D.B.
Positions of nebulae Bk. 3, p. 57 - M.E.M.
Classification Bk. D p. 71 - S.F.M.

CC A.6401, R.A. 16 10, Dec. -42.5, λ 306, B +5, Exp. 240
Old nebulae - Frost none
New nebulae - none
Observed Aug. 19, 1927 by S.F.M.
Plate broken and not mounted before searched.

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1932phae.proj.2338M

cc A. 13041, R.A. 16 02, Dec. -74.9, λ 283, B-1F, Exp. 120
Old nebulae - Bailey 7 but marks erased
New nebulae - none
Observed Aug. 20, 1927 by S.F.M.

cc A. 13045, R.A. 16 12, Dec. -15.0, λ 327, B+23, Exp. 121
Old nebulae - Bailey 2
New nebulae - none
Observed Aug. 22, 1927 by S.F.M.

cc A. 13037, R.A. 14 30, Dec. -27.5, λ 298, B+29, Exp. 240
Old nebulae - none
New nebulae, certain, 1-90
doubtful, a-g
Observed Aug. 22, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae, Jan. 1, 1928 by M.E.M. Bk 3, p. 76

cc A. 13036, R.A. 14 30, Dec. -22.5, λ 301, B+33, Exp. 180
Old nebulae - none
New nebulae certain, 1-15
doubtful, a-d
Observed Aug. 22, 1927 by S.F.M.
Positions C.D.B. Nov. 15, 1927 see BI, p. 47-48
Classification Bk. B p. 117 - S.F.M.

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1932phae.proj.2338M

CC A 7426, R.A. 18 50, Dec. -47.5, λ 316, β -22, Exp. 240
Old nebulae - 23
New nebulae certain, 1-18
doubtful, a-g
Observed Aug. 22, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae, Bk. II p. 113, S.F.M.
Classification Bk. B p. 184 - S.F.M.

CC A. 6910, R.A. 19 31, Dec. -47.5, λ 318, β -28, Exp. 225
Old nebulae - Frost 2
New nebulae certain, 1-6
doubtful, a-c
Observed Aug. 22, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae - M.E.M. Bk. 3, p. 60
Classification. Bk. B p. 184 - S.F.M.

CC A. 5655, R.A. 18 50, Dec. -57.5, λ 309, β -24, Exp. 240
Old nebulae - Stewart 27
New nebulae certain, 1-8
doubtful, a-d
Observed Aug. 22, 1927 by S.F.M.
Comparison stars identified by S.F.M.
Positions of nebulae Bk 3 p 119 by M.E.M.
Classification Bk. B p. 217 - S.F.M.
Magnitudes - Bk. C p. 65 - S.F.M.

CC A. 5546, R.A. 18 50 Dec. -62.5, λ 301, β -25, Exp. 240
Old nebulae - Stewart 25
New nebulae certain, 1-16
doubtful, a-c
Observed Aug. 22, 1927 by S.F.M.
Comparison stars identified by S.F.M.
Positions of nebulae. Bk. 3 p. 109 - M.E.M.
Classification of nebulae Bk. B p. 164 - S.F.M.

Magnitudes of nebulae: Bk. C p. 67 - S.F.M.

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1932phae.proj.2338M

CC A. 4724, R.A. 19 0, Dec. -72.5, λ 290 ~~200~~, β-27, Exp. 240
Old nebulae - Stewart 6
New nebulae certain, 1-4
doubtful, a-d
Observed Aug. 23, 1927. by S.F.M.
Positions of nebulae - Bk. 4 p. 115 - S.F.M.
Classification of nebulae - Bk. B p. 176 - S.F.M.

CC A. 5656, R.A. 19 20, Dec. -57.5, λ 307, β-28, Exp. 195
Old nebulae - Stewart 12
New nebulae certain 1-24
doubtful, a-d
Observed Aug. 23, 1927 by S.F.M.
Comparison stars identified by M.C.M.
Positions of nebulae - Bk. 4 p. 135 - S.F.M.
Classification Bk. D p. 5 - S.F.M.
Magnitudes, Bk. C. p. 66 - S.F.M.

CC A. 5383, R.A. 19 03, Dec. -59.5, λ 305, β-28, Exp. 120
Old nebulae - Bailey 70 but marks erased - unable to find 5 of the 70.
New nebulae - none
doubtful, a-c
Observed Aug. 23, 1927 by S.F.M.
Positions of nebulae Bk. 4 p. 171 - S.F.M.
Classification, Bk. D p. 72 - S.F.M.

CC A. 4598, R.A. 17 52, Dec. -67.5, λ 294, β-22, Exp. 270
Old nebulae - Stewart 3
New nebulae certain, 1-6
doubtful, a-b
Observed Aug. 23, 1927 by S.F.M.
Comparison stars identified by S.F.M.
Pos. of nebulae, S.F.M. Bk. ~~D~~ p. 68.69
Classification Bk. B p. 176 - S.F.M.

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1932phae.proj.233M

CC A.4609, R.A. 14 22 Dec. -72.8 λ 269, β -25 Exp. 241
Old nebulae - Stewart 2 bukmarks erased
New nebulae certain, 8
doubtful, a-c
Observed Aug. 23, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk. 4 p. 135 - S.F.M.
Classification, Bk. B p. 177 - S.F.M.

CC A.4728, R.A. 14 0 Dec. -67.5, λ 296, β -27, Exp. 240
Old nebulae - Stewart 10
New nebulae certain, 1-6
doubtful, a-c
Observed Aug. 23, 1927 by S.F.M.
Comparison stars identified by S.F.M.
Positions of nebulae, Bk. 4 p. 135 - S.F.M.
Classification, Bk. D p. 7 - S.F.M.

CC A.4595, R.A. 17 12, Dec. -77.8, λ 295, β -22, Exp. 240
Old nebulae - Stewart 6
New nebulae certain, 1-6
doubtful - a
Observed Aug. 23, 1927 by S.F.M.
Comparison stars identified by S.F.M.
Pos. of nebulae S.F.M. Bk. E p. 69
Classification Bk. D p. 160 - S.F.M.

CC A.4726, R.A. 14 2 Dec. -77.5, λ 295, β -28, Exp. 240
Old nebulae - Stewart none
New nebulae certain, 1-7
doubtful, a-b
Observed Aug. 23, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae Aug 1, 1929 Bk 6 p 60 - M.E.M.

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1932phae.proj - 2338M

CC A. 13060, R.A. 16 20. Dec. -37.5, λ 310, β+8, Exp. 180
Old nebulae - none
New nebulae - none
doubtful a-b
Observed Aug. 24, 1927 by S. F. M.

CC A. 12087, R.A. 14 05, Dec. -31.0, λ 325, β-7, Exp. {210 / 164
Old nebulae - none
New nebulae - 1
doubtful a-d
Observed Aug. 24, 1927 by S. F. M.
Comparison stars identified by M.E.M.
Res. of rect. Bk. II p. 140 - S.F.M.
Classification Bk. D p. 24 - S.F.M.

CC A. 13045, R.A. 14 30, Dec. -52.5, λ 287, β+6, Exp. 180
Old nebulae - none
New nebulae - 1
doubtful - a
Observed Aug. 24, 1927 by S. F. M.
Positions Dec. 1927. C.D.B. see Bk I, p. 66
Classification Bk. D p. 106 - S.F.M.

CC 13023, R.A. 16 30, Dec. -32.5, λ 316, β+9, Exp. 180
Old nebulae - none
New nebulae certain - ~~x~~ none
Observed Aug. 24, 1927 by S. F. M.

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1932phae.proj.233M

cc A. 6050, R.A. 1P P, Dec. -33.0, λ 327, β-P, Exp. 262
Old nebulae - none
New nebulae certain - # 0
doubtful, a. 6
Observed Aug. 24, 1927 by S.F.M.

No new nebulae - checked April 21, 1928 - S.F.M.

cc A. 3024, R.A. 17 6, Dec. -22.1, λ 330, β+9, Exp. 240
Old nebulae - none
New nebulae certain - 1
doubtful - a
Observed Aug. 24, 1927 by S.F.M.
Comparison stars identified by F.M.

cc A. 5363, R.A. 20 20, Dec. -62.5, λ 301, β-36, Exp. 210
Old nebulae - none, Stewart
New nebulae - none
Observed Aug. 24, 1927 by S.F.M.

cc A 3021, R.A. 17 6, Dec. -22.1, λ 330, β+9, Exp. 200
Old nebulae - none
New nebulae - none
doubtful - x
Observed Aug. 25, 1927 by S.F.M.

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1932phae.proj.2338M

cc A.3794, R.A. 17 0, Dec. -22.0, λ 330, B-9, Exp. 180
Old nebulae - none
New nebulae - none
Observed Aug. 25, 1927 by S.I.M.

cc A.6409, R.A. 16 50, Dec. -57.5, λ 299, B-10, Exp. 240
Old nebulae - 2
New nebulae - ~~none~~ ~~H.D.~~ none (H.S.)
Observed Aug. 25, 1927 by S.I.M.
Comparison stars identified by M.E.M.

cc A.5444, R.A. 15 50, Dec. -62.5, λ 290, B-8, Exp. 240
Old nebulae - Stewart 0
New nebulae - none
Observed Aug. 25, 1927 by S.I.M.

cc A.5447, R.A. 15 20, Dec. -62.5, λ 287, B-6, Exp. 240
Old nebulae - Stewart 0
New nebulae - none
doubtful - 1
Observed Aug. 25, 1927 by S.I.M.

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1932phae.proj.233M

cc A. 4443, R.A. 15 0 Dec. -67.5, λ 283, β -9, Exp. 240
Old nebulae - Stewart 0
New nebulae - none
Observed Aug. 25, 1927 by S.T.M.

cc A. 6762, R.A. 14 50, Dec. -52.5, λ 289, β +5, Exp. 240
Old nebulae - none, Frost
New nebulae - none
Observed Aug. 25, 1927 by S.T.M.

cc A. 6422, R.A. 14 30, Dec. -52.5, λ 287, β +6, Exp. 240
Old nebulae - Frost 0
New nebulae - none
Observed Aug. 25 1927 by S.T.M.

cc A. 6420, R.A. 16 10, Dec. -42.7, λ 306, β +5, Exp. 2-10
Old nebulae - Frost 1
New nebulae - one
Observed Aug. 25 1927 by S.T.M.
Pos. C.D.B. Jan. 1928 See Bk 2 p. 103
Classification Bk. Dg. 143 - S.T.M.

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1032phae.proj.-2338M

cc A. 9021, R.A. 19 50, Dec. -42.5, λ 325, β -31, Exp 240
Old nebulae - none
New nebulae certain, 1-14
doubtful, a-g
Observed Aug. 25 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae Nov. 14, 1928 by M.E.M. Bk 3 p 62
Classification Bk. D p. 74 - S.F.M.

cc A. 4803 - Plate not carefully examined but full of photographic defect

cc A. 7447, R.A. 19 50, Dec. -47.5, λ 319, β -31, Exp 240
Old nebulae - Bailey 122
New nebulae certain - 1
doubtful - a
Observed Aug. 26, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Position of nebula - M.E.M. Bk 3, p. 64
Classification Bk. D p. 109 - S.F.M.
Magnitudes of nebulae in clusters Bks. C. p. 62 - M.E.M.

cc A. 5550, R.A. 19 50, Dec. -62.8, λ 301, β -33, Exp. 240
Old nebulae - Stewart
New nebulae certain, 1-16
doubtful, a-c
Observed Aug. 26, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk. 4 p. 117 - S.F.M.
Classification, Bk. D p. 179 - S.F.M.

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1932phae.proj.2338M

cc A. 5371, R.A. 20 50, Dec. -62.5, λ 300, β-39, Exp. 240
Old nebulae - Stewart 0
New nebulae - 3
doubtful, a-b
Observed Aug. 26, 1927 by S.F.M.
Comparison of stars identified by M.E.M.
Classification of nebulae - Bk. 4 p. 35 - S.F.M.
Positions of nebulae - Bk. 4 p. 109 - S.F.M.

cc A. 8405, R.A. 17 19, Dec. -44.9, λ 315, β-11, Exp. 120
Old nebulae - Bailey 4
New nebulae - none
Observed Aug. 26, 1927 by S.F.M.

cc A. 5653, R.A. 20 20, Dec. -62.5 λ 301, β-36, Exp. 270
Old nebulae - 29
New nebulae certain, 1-16
doubtful, a-b
Observed Aug. 26, 1927 by S.F.M.
Comparison stars identified by S.F.M.
Positions of nebulae - Bk. 4 p. 154 - S.F.M.
Classification of nebulae - Bk. 4 p. 35 - S.F.M.

cc A. 7451, R.A. 20 10, Dec. -52.5 λ 314, β-35, Exp. 220
Old nebulae - Bailey 206
New nebulae - 3
Observed Aug. 26 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae M.E.M. Bk. 3 p. 117
Classification - Bk. 5 p. 204 - S.F.M.
Magnitudes Bk. 4 p. 73 - S.F.M.

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1932phae.proj.2338M

cc H. 6901, R.A. 19 51, Dec. -52.4, λ 314, β -32, Exp. 225
Old nebulae - Bailey 237
New nebulae certain, ~~2~~ 3
Observed Aug. 27, 1927 by S.F.M.
Positions of nebulae Bk. 4 p. 159 - S.F.M.
Classification of nebulae Bk. B p. 85 - S.F.M.
Comparison stars identified - S.F.M.

cc H. 5695, R.A. 19 54, Dec. -57.5, λ 308, β -33, Exp. 240
Old nebulae - Bailey 94
New nebulae - 1, 2, 3
Observed Aug. 27, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae, Bk. 4 p. 111 - S.F.M.
Classification of nebulae Bk. B p. 161 - S.F.M.
Magnitudes of nebulae Bk. C. p. 69 - S.F.M.

cc H. 4740, R.A. 20 00, Dec. -77.5, λ 284, β -32, Exp. 240
Old nebulae - Stewart 7
New nebulae, 1-4
Observed Aug. 27, 1927 by S.F.M.
Comparison stars identified by L.C.Jr.
Positions of nebulae - Bk. 6 p. 61 - M.E.M.

cc H. 4733, R.A. 19 40 Dec. -67.5, λ 296, β -32, Exp. 240
Old nebulae - 9
New nebulae certain 1-12
doubtful - a
Observed Aug. 27, 1927 by S.F.M.
Comparison stars identified by L. C.Jr.
Positions of nebulae - Bk. 4 p. 116 - S.F.M.
Classification, Bk. B p. 177 - S.F.M.

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CC A. 4738, R.A. 19 40, Dec. -72.5, λ 290, β-31, Exp. 240
Old nebulae - Stewart 18
New nebulae, 1-5
Observed Aug. 27, 1927 by L.F.M.
Comparison stars identified by L.C.Jr.
Positions of nebulae, Bk. 4 p. 137 - L.F.M.
Classification, Bk. D p. 8 - L.F.M.

CC A. 4607, R.A. 18 0, Dec. -77.5, λ 284, β-24, Exp. 241
Old nebulae - 6
New nebulae certain, 1-15
doubtful a-c
Observed Aug. 27, 1927 by L.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae, June 25, 1928, Bk. 3 p. 2 M.E.M.

CC A. 4742, R.A. 20 22, Dec. -67.5, λ 295, β-36, Exp. 240
Old nebulae - 15
New nebulae certain, 1-15
doubtful, a
Observed Aug. 27, 1927 by L.F.M.
Comparison stars identified by L.F.M.
Positions of nebulae, Bk. 4 p. 138 - L.F.M.
Classification, Bk. D p. 8 - L.F.M.

CC A. 4816, R.A. 21 42, Dec. -72.5, λ 287, β-39, Exp. 240
Old nebulae - Stewart 0
New nebulae certain - none
doubtful - a
Observed Aug. 27, 1927 by L.F.M.
Checked by L.F.M. - no new neb.

A14325, covering same region, examined - 427 new nebulae found

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1932phae.proj.-338M

CC A. 4747 a duplicate of A. 4749 and on which 18 of the nebulae are marked by Stewart.

CC A. 4606, R.A. 21 0 Dec. -67.5, λ 294, β -39, Exp. 240
Old nebulae - 9
New nebulae contain 1-9
doubtful, a-c
Observed Aug. 27, 1927 by S. F. M.
Comparison stars identified by L. C. Jr.
Positions of nebulae. Bk. 3 p 121 - M.E.M.
Classification Bk. A p. 162 - S. F. M.

CC A. 4562, R.A. 17 00, Dec. -72.5, λ 287, β -20, Exp. 270
Old nebulae - Stewart 2 but 9 certain nebulae
and two doubtful also
marked (by M. R. D. ?)
New nebulae - 5
doubtful a-b
Observed Aug. 27, 1927 by S. F. M.
N.B. All nebulae marked are probably defects. H. S.

CC A 6586 R.A. 2.49, Dec. -62.6, λ 248, β -50, Exp 245m
Old nebulae - ~~18~~ one N.G.C.
New nebulae - 70
doubtful a-k
Observed Aug. 30, 1927, by M. R. D.
Comparison stars identified by L. C. Jr.
Positions of nebulae, July 13, 1928 Bk 3 p. 5 M.E.M.
Classification Bk. B p. 11 - S. F. M.

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1932phae.proj.2338M

CC A 4897, R.A. 1.40, Dec. -72.4, λ 263, β -45, Cyp. 240
Old nebulae - Stewart 10, others marked in Peru.
New nebulae 1-68
suspects a-l
Examined Aug. 30, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. 6 p. 57 - Sept. 30, 1929 - M.E.M.

CC A 4248, R.A. 9.22, Dec. 57.0, λ 245, β 5, Cyp. 273
Old nebulae - none
New nebulae 1-4
suspects a-n
Examined Aug. 30, 1927, by M. R. D.
Comparison stars identified by L. C. Jr.
Positions of nebulae, S.T.M. Bk. II p. 126
Classification Bk. D p. 155 - S.T.M.

CC A 13128, R.A. 0.0, Dec. -60.0, λ 279, β -63, Cyp. 180
Old nebulae - none
New nebulae, - 1-24
doubtful a-e
Observed Aug. 30, 1927, by M. R. D.
Comparison stars identified by L. C. Jr.
Positions of nebulae - Bk. 6, p. 172 - M.E.M.

CC A 5188, R.A. 9.4, Dec. -5.5, λ 214, β +38, Cyp. 211
Old nebulae - none
New nebulae 1-65
doubtful a-g
Observed Aug. 30, 1927, by M. R. D.
Comparison stars identified by S. T. M.
Positions of nebulae - M.E.M. Bk 3 p. 164

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1932phae.proj.233M

CC A 5731, R.A. 5.29, Dec. -5.3, λ 177, β -18, Gp 420m
Old nebulae - none
new nebulae - ~~1-46~~, retained, transferred D 7 2119
doubtful a—y
Observed Aug. 30, 1927, by M. R. D.
Comparison stars identified by F.M.
Positions of nebulae, M.E.M. Bk 3 p. 54
Classification Bk. II p. 141 - S.F.M.

CC A 4183, R.A. 4.10, Dec. -52.6, λ 228, β -45, Gp 241m
Old nebulae - Stewart 23
New nebulae 1-313
doubtful - a-z
Observed Aug. 31, 1927 by M.R.D.
Comparison stars identified by S.F.M.
Positions of nebulae Bk. 2 p. 33 - S.F.M.
Classification of nebulae Bk. B p. 83. S.F.M.

*Magnitudes of nebulae, Bk. C, p. 162 - S.F.M.

✓ CC A 13035 R.A. 12.30, Dec. -32.5, λ 267, β +29, Gp. 180?
Old nebulae - none
new ~~nebulae~~ - 1-9
doubtful a-i
Observed Aug. 31, 1927, by M.R.D.
Positions Nov. 12, 1927 C.J.D. see b. no 1, p 43-44
Classification Bk. D p. 102 - S.F.M.

CC A 2747 R.A. 19.53, Dec. +21.5, λ 27, β -5, Gp. 238
Old nebulae - none
doubtful - a-s
New nebulae - 1-12
Observed Sept. 2, 1927 by M.R.D.
Comparison stars identified by F.M.
Positions Jan. 5 1928 S.F.M. - Bk. 2, p. 60
Classification Feb. 7, 1929 - S.F.M.

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1932phae.proj.2338M

cc A6585, R.A. 21.20, Dec. -62.6, λ 299, β -43, Eff p 240"
Old nebulae - Knot 9
New nebulae, - 1 - 288
suspects a - p
Observed Sept. 6, 1927 by M. R. D.
Comparison stars identified by M.E.M. Pos. of neb. Bk. 3 p. 101 - M.E.M.

cc A5044 R.A. 10.20, Dec. -67.5, λ 257, β -9, Eff. p. 240"
Old nebulae - Stewart 1
New nebulae 1 - 14
doubtful a - l, m.

cc Observed Sept. 6, 1927, by M.R.D.
Comp. stars identified by S. F. M.
Positions of nebulae, S. F. M., Bk. II p. 69-70
Classification of nebulae, Bk. D p. 132

cc A. 5049, R.A. 9.40, Dec. -67.5, λ 254, β -11, Eff p. 214"
Old nebulae - Stewart 1
New Nebulae - 1 - 12
doubtful a - e
Observed Sept. 6, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae, Mar. 16, 1928, Bk. II p. 102, S. F. M.
Classification, July 26, 1928, Bk. B p. 132, S. F. M.

cc A. 5102, R.A. 10.20, Dec. -72.5, λ 260, β -13, Eff p. 240"
Old nebulae - Stewart - 0
New nebulae - 1 - 10
doubtful a - e
Observed Sept. 6, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae, Mar. 17, 1928, Bk. II p. 96, S. F. M.
Classification, Bk. B. p. 133, S. F. M.

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1932phae.proj.2338M

cc A.5104, R.A. 9.40, Dec. -72.5, λ 257, β -15, Eff. 240"
Old nebulae - Stewart 0, 1 marked
New nebulae - 1-18
suspects a-k
Observed Sept. 6, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Mar. 20, 1928 Bk. II p. 96-97, S.F.M.
Classification Bk. B p. 133 S.F.M.

cc A. 5106, R.A. 9.00, Dec. -72.5, λ 255, β -17, Eff 217"
Old nebulae - Stewart 0
New nebulae - 2
doubtful a
Observed Sept. 7, 1927 by M. R. D.
Comparison stars identified by M.E.M.
Position of nebula, Bk. II p. 110, Apr. 3, 1928, S.F.M.
Classification Bk. B p. 134, S.F.M.

cc A 5193, R.A. 9.55, Dec. -5.8, λ 214, β +38, Eff. 187"
Old nebulae - 3
New nebulae - ~~+24~~ 5
doubtful a-m
Observed Sept. 7, 1927, by M. R. D.
Comparison stars identified by F.M.
Poor plate: nebulae transferred to H 5188

cc A. 5202, R.A. 11.00, Dec. -67.5, λ 260, β -7, Eff. 271"
Old nebulae - Stewart 0
New nebulae 1-25
doubtful a-r
Observed Sept. 7, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Mar. 20, 1928 Bk. II p. 103-104 S.F.M.
Classification Bk. B p. 132 S.F.M.

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1932phae.proj.2338M

cc A. 5349, R.A. 11.42, Dec.-67.5, λ 264, β-6, Eff 210m
Old nebulae - Stewart 0, 1 marked in Perm.
New nebulae - 1-24
doubtful a - c
Observed Sept. 7, 1927, by M.R.D
Comparison stars identified by MEM.
Position of nebula, Mar. 20, 1928, Bk. II p. 105, S.F.M.
Classification Bk B p. 134 S.F.M.

cc A. 5355, R.A. 11.40, Dec.-72.5, λ 265, β -11, Eff. 210m
Old nebulae - Stewart 1
New nebulae - 1 — 3
doubtful a - f
Observed Sept. 7, 1927, by M. R. D.
Comparison stars identified by MEM.
Position of nebula, S.F.M. Bk. II p. 76
Classification Bk. B p. 134 S.F.M.

cc A. 4179, R.A. 3.10, Dec.-52.8, λ 233, β-53, Eff 241m
Old nebulae - Stewart 5
New nebulae - 1 - 391
doubtful a - a k)
Examined Sept. 7, 1927, by M. R. D.
Comparison stars identified by MEM.
Positions of nebulae; MEM, Bk. 3 p 21.
Classification Bk. B p. 144 - S.F.M.

Map of nebulae, Dec. 14, 1932, Book C, p. 159 - S.F.M.

cc A. 4181, R.A. 3.31., Dec.-47.6, λ 233, β-52, Eff. 240m
Old nebulae - Stewart 15
New nebulae - 1-138
suspects - a - r
Examined Sept. 7, 1927, by M. R. D.
Comparison stars identified by MEM.
Pos. of nebulae, Bk. 4 p. 15 by S.F.M.
Classification of " Bk. B p. 15 " "

Map of nebulae, Book C, p. 157 - S.F.M.

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1932phae.proj.2338M

Magnitudes determined, Bk. 4 p. 82
Jan. 27, 1933 - S. F. M.

CC A. 4184, R.A. 3.50, Dec. -57.7, λ236, β -46, Eqs. 244.
Old nebulae - Stewart 24
New nebulae - 1-230
doubtful a-t
Examined Sept. 8, 1927, by M. R. D
Comparison stars identified by S. F. M.
Positions of nebulae Bk. II p. 169, S. F. M.
Classification B I? - S. F. M. | Magnitudes of nebulae, Bk. C. p. 62 S. F. M.

CC A. 4257, R.A. 8.50, Dec. -57.8, λ243, β -8, Eqs. 243
Old nebulae - Stewart 0, 3 marked in Peru
New nebulae 1-21
doubtful a-o
Examined Sept. 8, 1927, by M. R. D.
Comparison stars identified by S. F. M.
Pos. of nebulae Jan. 7, 1928 by S. F. M. Bk. II p. 61-62
Classification Bk. II p. 155 - S. F. M.

CC A 4259, R.A. 7.50, Dec. -57.5, λ238, β -14, Eqs. 252
Old nebulae - Stewart 1.
New nebulae - 1-12
doubtful a-h
Examined Sept. 8, 1927, by M. R. D.
Comparison stars identified by S. F. M.
Classification Bk. II p. 156 - S. F. M.

CC A. 4265, R.A. 8.22, Dec. -57.8, λ241, β -11, Eqs. 246
Old nebulae - Stewart 0
New nebulae - 1-25
doubtful a-e
Examined Sept. 8, 1927, by M. R. D.
Checked - by K. L.
Comparison stars identified by S. F. M.
Pos. of nebula S. F. M. - Bk. II p. 72 Magnitudes Bk. II p. 156

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1932phae.proj.2338M

cc A 4320, R.A. 10.20, Dec. -57.5, ℓ 252, β 0, Eff. 240
Old nebulae - Stewart 0, 4 marked in Perm
New nebulae - 1-23
doubtful a-c
Examined Sept. 8, 1927 by M.R.D.
3 checked by H.S.
Classification H.C.C Comparison stars identified by S.F.M.
Bk. II p. 69 - S.F.M. Positions of nebulae S.F.M, Bk. II p. 73 Faint nebulae rejected - S.F.M.

cc A. 5365, R.A. 15.00, Dec. -87.5, ℓ 276, β -25, Eff. 220
Old nebulae - Stewart 0
New nebulae - 1-10
doubtful a-f
Examined Sept. 8, 1927 by M.R.D.
Comparison stars identified by M.E.M.

cc A. 2119 R.A. 5.27, Dec. -5.4, ℓ 176, β -28, Eff. 180m
Old nebulae - none
New nebulae - 1-41
doubtful a-d
Examined Sept. 8, 1927, by M.R.D.
Comparison stars identified by F.M.
Positions of nebulae M.E.M. Bk 3 p. 123
Classification Bk II p. 142 - S.F.M.

cc A. 4398, R.A. 12.00, Dec. -77.5, ℓ 267, β -16, Eff. 240m
Old nebulae - Stewart - 3
New nebulae 1-25
doubtful a-v
Examined Sept. 9, 1927, by M.R.D.
Comparison stars identified by S.F.M.
Positions of nebulae, S.F.M, Bk. II p. 73
Classification Bk. II p. 157 - S.F.M.

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1932phae.proj.2338M

cc A. 4400, R.A. 12.20, Dec. -72.5, λ 267, β -11, Eff. 240

Old nebulae - Stewart 0

New nebulae - 1-46

doubtful a-q

Examined Sept. 9, 1927, by M. R. D.

Comparison stars identified by S. F. M.

Positions of nebulae, S. F. M. Bk II. p. 74-75

Classification Bk. II. p. 157 - S. F. M.

cc A. 4466, R.A. 14.00, Dec. -77.5, λ 276, β -16, Eff. 240

Old nebulae - 2

New nebulae - 1-66

doubtful a-o

Examined Sept. 9, 1927, by M. R. D.

Comparison stars identified by S. F. M.

Positions of nebulae, Feb. 1, 1928, by S. F. M, Bk. II p. 76-82

Classification Bk. II p. 158 - S. F. M.

cc A. 6454, R.A. 16.51, Dec. 17.3, λ 4, β +31, Eff. 240

Old nebulae - Dreyer 4

New nebulae - 1-41

doubtful a-e

Examined Sept. 9, 1927, by M. R. D.

cc A. 2150, R.A. 0.45, Dec. -72.4, λ 269, β -45, Eff. 270

Old nebulae - Small Mag. Cl.

New nebulae - 1-29

suspects a-g

Examined Sept. 9, 1927, by M. R. D.

Comparison stars identified by S. F. M.

Positions of nebulae Sept 25, 1929 Bk 6 p 56 - MESH.

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cc A. 8668 R.A. 16.31, Dec. -42.5, R 309, B+2, Eff 197
Old nebulae - none
New nebulae - ~~+22~~ No new neb.
Examined Sept. 9, 1927, by M.R.D.

cc A. 3184, R.A. 0.35, Dec. +40.3, R 89, B-22, Eff. 240
Old nebulae - none
New nebulae - 1-57
Suspects a-ac
Examined Sept. 10, 1927, by M.R.D.
Positions Jan 10, 1928. C.D.B. see Bk. I p 88-93 - also Bk. 4 p. 177
Classification Bk. D p. 107 - S.F.M.

All nebulae transferred to H 1263-1

cc A. 12243, R.A. 0.50, Dec. -80.0, R 225, B-88, Eff. 240m
Old nebulae - none
New nebulae - 1-109
Suspects a-g
Examined Sept. 10, 1927, by M.R.D.
Comparison stars identified by M.E.M.

cc A. 7016, R.A. 1.01, Dec. -72.5, R 267, B-45, Eff. 240m
Old nebulae - Small Mag. Cl.
New nebulae - 1-36
Doubtful a-c
Examined Sept. 10, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae Sept. 27, 1929 Bk 6 p 48 - M.E.M.

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1932phae.proj.233M

cc A. 7115, R.A. 3.27, Dec. +27.4, R 129, B -22, Eff. 241m
Old nebulae - none
New nebulae - 1 - 8
doubtful - a - d
Examined Sept. 10, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae - Nov. 14, 1929 - Bk. 6 p 94 - M.E.M.

cc A. 7377, R.A. 21.11, Dec. -52.5, R 313, B -45, Eff. 243m
Old nebulae - 139 - Bailey
New nebulae - 1 - 23
doubtful - a - d
Examined Sept. 10, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. 4 p. 161 - S.F.M.
Classification Bk. 4 p. 43 - S.F.M.

cc A. 7497, R.A. 21.31, Dec. -52.5, R 312, B -48, Eff. 244m
Old nebulae - Bailey - 189
New nebulae - 1 - 66
doubtful a - k)
Examined Sept. 12, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. 4 p. 164 - S.F.M.
Classification Bk. 4 p. 49 - S.F.M.

cc A. 7698, R.A. 13.31, Dec. -0.1, R 295, B +59, Eff. 120
Old nebulae - 102
New nebulae - 1 - 17
doubtful a - g
Examined Sept. 12, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Positions of nebulae, Bk. 4 p. 170 - S.F.M.
Classification Bk. 4 p. 61 - S.F.M.

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1932phae.proj.233M

cc A. 6417, R.A. 16.5 Dec. -42.5, λ 311, β -1, Cl p 240~
Old nebulae - large nebulous patch
New nebulae - 1 - 42
doubtful a - p
Examined Sept. 12, 1927, by M. R. D.
Pos. C. D. B. see Bk I, p. 78
Classification Bk. B p. 143 S. I. M.

cc A. 12790, R.A. 4.8, Dec. -69.0, λ 249, β -39, Cl p. 240~
Old nebulae - none
New nebulae - 1 - 120
doubtful a - h
Examined Sept. 12, 1927, by M. R. D.
Comparison stars identified by M. E. M.
Positions of nebulae - Bk. 4 p. 76 - S. I. M.
Classification of nebulae - Bk. B p. 104 - S. I. M.

cc A 9394, R.A. 12.48, Dec. +27.8, λ 350, β +88, Cl p. 240
Old nebulae - marked by Mengel
New nebulae - 1 - 32
doubtful a - g
Examined Sept. 12, 1927, by M. R. D

cc A. 13949, R.A. 12.56, Dec. +38.4, λ 5, β +88, Cl p 180~
Plate not marked for nebulae - see Plate A 9394 which is marked by Mengel.
Examined Sept. 12, 1927 by M. R. D.

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1932phae.proj.2338M

cc A. 12090, R.A. 17.26, Dec. -26.2, λ 339, β +4 -3/9, Exp 300m
Old nebulae - 1
New nebulae - 1-17
Examined Sept. 13, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Cls. + mb. Bk. II p. 140 - S.T.M.
Classification Bk. D p. 23. S.T.M.

cc A. 12370, R.A. 10.36, Dec. -59.2, λ 255, β -1, Exp 300
Old nebulae - none
New nebulae - +14 none
Suspects - a
Examined Sept. 13, 1927, by M.F.D.
Classification I.C., Nds. C + Mey. D - Bk. D p. 60 - S.T.M.

cc A 12575, R.A. 18.24, Dec. -4.2, λ 355, β +1, Exp 360m
Old nebulae - none
New nebulae - 1-35
doubtful a - e
15"
Examined Sept. 13, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Positions of nebulae by M.E.M. Bk. 3 p. 59
Classification Bk. D p. 100 - S.T.M.

cc A. 13055, R.A. 0.50, Dec. -73.0, λ 269, β -45, Exp 180m
Old nebulae - Small Mag. Cloud
See plate 2150 for nebulae on same region.
Examined Sept. 13, 1927, by M.F.D.

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1932phae.proj.2338M

cc A 13082, R.A. 1.30, Dec. +30.3, λ 102, B-30, Exp 240m
Old nebulae - marked by Miss Ames
New nebulae - 1-31
Examined Sept. 13, 1927, by M.F.D.
Positions of nebulae Sept 13, 1927 - Bk 6 p. 8 - M.E.M.

cc A. 13049, R.A. 1.30, Dec. +30.3, λ 102, B-30, Exp 180
Old nebulae - none
See plate 13082, which covers same region, for nebulae.
Examined Sept. 13, 1927, by M.F.D.

cc A. 13065, R.A. 16.30, Dec. -47.5, λ 305, B-1, Exp. 180m
Old nebulae - none
New nebulae - ~~+3~~
doubtful - a
Examined Sept. 14, 1927, by M.F.D.
Positions Dec. 1927. C.S.B. See Bk I. p. 64

cc A. 13087, R.A. 20.00, Dec. -25.0, λ 345, B-B², Exp 180m
Old nebulae - none
New nebulae - 1-9
doubtful a-c
Examined Sept. 14, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk 7 p 80 - M.E.M.

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cc A. 13125, R.A. 20.30, Dec.-22.5, λ350, B-34, Exp. 180m
Old nebulae – none
New nebulae – 1-55
doubtful a-d
Examined Sept. 14, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae – Bk 6, p. 156 – M.E.M.

cc A. 4407, R.A. 134, Dec.-67.4, λ273, B-5, Exp. 240m
Old nebulae – Stewart 0
New nebulae – 1-6
Examined Sept. 14, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae, Mar. 14, 1928, Bk. II p. 101, S.F.M.
Classification Bk. D. p. 58 – S.F.M.

cc A. 14103, R.A. 22.00, Dec.-45.0, λ321, B-54, Exp. 180
Old nebulae – none marked.
New nebulae – 1-16 on region which is not on plate A 8514, which plate has nebulae marked & measured by Prof. Bailey – on region covering most of this plate.
Examined Sept. 14, 1927, by M.R.D.
Old neb. – by Bailey 37, 175 nebulae by M.R.D.
Comparison stars identified by M.E.M. Positions of nebulae Aug 10, 1929 – Bk. 3 p. 20 – M.E.M.

cc A. 5376, R.A. 14.50, Dec-62.8, λ284, B-4, Exp. 240m
Old nebulae – Stewart 0
New nebulae – 2
Examined Sept. 14, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Position of nebula, Mar. 20, 1928, Bk. II p. 105, S.F.M.
Classification Bk. D p. 134 S.F.M.

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cc A. 4406, R.A. 13.00, Dec. −72.5, λ 272, β −11, Eff. 240m
Old nebulae - Stewart 0, objects marked in Peru.
New nebulae - 2
doubtful a
Examined Sept. 14, 1927, by M.R.D

cc A. 4266, R.A. 9.50, Dec. −57.5, λ 252, β −7, Eff. 242m
Old nebulae - Stewart 0, 6 objects marked in Peru
New nebulae 1
Examined Sept. 14, 1927, by M.R.D.

cc A. 4401, R.A. 12.18, Dec. −67.8, λ 267, β −6, Eff. 270m
Old nebulae - Stewart 0, 1 marked in Peru
New nebulae - 5
Examined Sept. 14, 1927, by M.R.D.
Comparison stars identified by M.E.M.

cc A. 4402, R.A. 13.04, Dec. −77.6, λ 272, β −16, Eff. 270
Old nebulae - Stewart 3, 3 objects marked
New nebulae - 1-9
Examined Sept. 14, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae S.F.M. Bk. II p. 76
Classification Bk. I p. 59 - S.F.M.

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1932phae.proj.2338M

cc A. 4408, R.A. 13.20, Dec. -62.9, λ 275, β -1, Eqp. 270m.
Old nebulae - Stewart 0
No new nebulae.
Examined Sept. 15, 1927 by M. F. D.

cc A. 4412, R.A. 13.40, Dec. -67.7, λ 276, β -6, Eqp. 270
Old nebulae - Stewart 0
No new nebulae.
Examined Sept. 15, 1927, by M. F. D.

cc A. 4415, R.A. 13.40, Dec. -72.5, λ 271.5, β -16.2, Eqp. 270
Old nebulae - none
No new nebulae
Examined Sept. 15, 1927, by M. F. D.

cc A. 4468, R.A. 14.20, Dec. -72.5, λ 278, β -12, Eqp 270m
Old nebulae, Stewart 1
New nebulae - I - II
Examined Sept. 15, 1927, by M. F. D.
Comparison stars identified by M.E.M.
Classification B6 Dp 162 - S.F.M. Positions of nebulae, Mar. 15, 1928, S. F. M., Obs. II p. 101
cc A. 4476, R.A. 14.20, Dec. -67.6, λ 279, β -7, Eqp. 272
Old nebulae - Stewart 0, 2 objects marked on Pen
New nebulae 3
Examined Sept. 15, 1927, by M. R. D.
Comparison stars identified by M.E.M.
Position of nebula Mar. 15, 1928, obs. II p. 102, S. F. M. (two stars)

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A 4604, R.A. 21.42, Dec. −67.8, λ 291, B−42, Cyp. 274
Old nebulae − Stewart − 9
New nebulae − 1− 64; 65−79 by S.T.M.
Examined Sept. 15, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae, Bk. 6 p 75 − M.E.M.

A. 4615, R.A. 23.00, Dec. −67.5, λ 284, B−48, Cyp 287
Old nebulae − Stewart − 11
New nebulae − 36
Examined Sept. 15, 1927, by M.R.D.
Comp. stars identified by S.T.M.
Positions of nebulae M.E.M. Bk. 3, p 137

A 4747, R.a. 20 20, Dec. −72.5, λ 289, B−34, Cyp. 244
Old nebulae − Stewart 31
New nebulae − 1−13 repeats other plate
Examined Sept. 15, 1927, by M.R.D.
See plate A 4749 − for nebulae marked on same region.

A 4881, R.A. 4.00, Dec. −77.5, λ 258, B−36, Cyp. 245
Old nebulae − 6 − Stewart − 2
New nebulae − 1−27
Examined Sept. 15, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae; Bk. 7, p. 3 − M.E.M.

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A. 4923, R.A. 6.00, Dec. -77.5, λ 25.6, β -29, Eff. 240m
Old nebulae - Stewart 8
New nebulae - 1 – 38
Examined Sept. 15, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk III p 158 - M.E.M.

A. 4535, R.A. 15.00, Dec. -77.5, λ 278, β -17.5, Eff. 276m
Old nebulae - Stewart 1, 6 objects marked
New nebulae - 1 – 23
Examined Sept. 16, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Pos. of nebulae, S.F.M., Bk. II p. 64-65
Classification Bk. I p. 160 - S.F.M.

A 3079, R.A. 15.20, Dec. -50.0, λ 295, β +4, Eff. 300m
Old nebulae - none
New nebulae - none
Examined Sept. 16, 1927, by M.F.D.

A. 3092, R.A. 14.08, Dec. +19.8, λ 344½, β +68, Eff. 205
Old nebulae - 2
New nebulae - 1 – 60
Examined Sept. 16, 1927, by M.F.D.
Comp. stars identified - S.F.M.
Positions of nebulae, Bk. II p. 162. S.F.M.

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cc A. 3346, R.A. 3.24, Dec. -50.5, λ 228, Lat -52, Epp 240
Old nebulae - Stewart 68
New nebulae - 1 - 205
, doubtful a - b
Examined Sept. 16, 1927, by M.R.D.
See plate 3339 - on same region
Comparison stars identified by M.E.M.
Positions Bk. 2 p. 204; + Bk. 5 p. 165 Classification Bk. B p. 62 - S.H.M.; D p. 213, Ep. 5
Magnitudes Bk. C. p. 55 by S.H.M.
Re-determined with new sequence Bk. C, p. 124 - S.H.M.

cc A. 3386, R.A. 0.41, Dec. -26.3, λ 93, B -87.3, Epp. 240
Old nebulae - Stewart - 17
New nebulae - 1 - 85
Examined Sept. 16, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae Oct. 15, 1928 Bk. 6 p. 61 - M.E.M.

cc A. 3427, R.A. 5.38, Dec. -66.0, λ 243, B -32, Epp. 300
Old nebulae - ~~Small~~ Large mag. Cl.
New nebulae - 1 - 137
Examined Sept. 16, 1927, by M.R.D.
See plate 2190 for nebulae in same region.

cc A. 3517, R.A. 17.30, Dec. -21.9, λ 333, B +4, Epp. 242
Old nebulae - Stewart - 5
New nebulae - 1 - 21
Examined Sept. 16, 1927, by M.R.D.

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1932phae.proj.2338M

cc A. 3519, R.A. 17.26, Dec. -22.2, λ 332, β +4, Epp. 263
Old nebulae - Stewart - 7
New nebulae - 1 - 18
Examined Sept. 16, 1927, by M.F.D.
Pos. C.D.D. see Bk I p. 76-78
Classification Bk. D p. 26 - S.F.M.

cc A. 3522, R.A. 17.26, Dec. -22.2, λ 332, β +4, Epp. 270
Old nebulae - Stewart - 0
New nebulae - 1 - 18
Examined Sept. 16, 1927, by M.F.D.
Same region as on A 3519

cc A. 6395, R.A. 12.22, Dec. -5 7.8, λ 267, β +5, Epp 240
Old nebulae - star surrounded with nebulosity
No new nebulae.
Examined Sept. 16, 1927, by M.F.D.

cc A. 3816, R.A. 21.11, Dec. -17.4, λ 1, β -41, Epp 245
Old nebulae - Stewart 1
New nebulae - 1 - 110
Examined Sept. 16, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk 3 p. 124 M.E.M.
Classification Bk. D p. 145 - S.F.M.

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1932phae.proj.2338M

cc A. 1807, R.A. 10.4, Dec. -59.2, λ 255, β -1, Eff. 240m
Old nebulae - none
New nebulae - X no new nebulae
Examined Sept. 16, 1927, by M.F.D.

cc A. 1835 R.A. 17.55, Dec. -23.6, λ 335, β -2, Eff. 180m
Old nebulae - none
New nebulae - 1-8 - no. 2 only retained
Examined Sept. 16, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Position of nebula; Bk. II p. 63, S.F.M.

cc A. 2156, R.A. 5.25, Dec. 5.7, λ 176, β -18, Eff. 265m
Old nebulae - none
New nebulae - ~~1-9~~ no new neb. H.C.A. 2119
Examined Sept. 16, 1927, by M.F.D.
Comparison stars identified by M.E.M.
~~Position of nebula May 2, 1928 S.F.M. Bk II p 45-46~~
~~Classification Bk II p. 143 S.F.M.~~

cc A. 2172, R.A. 5.28, Dec. -70.5, λ 348, β -33, Eff. 196m
Old nebulae - Large Mag. Cloud
New nebulae - 1-135
Examined Sept. 16, 1927, by M.F.D.

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1932phae.proj.2338M

cc A. 2185, R.A. 3.38, Dec. +23.8, R 135, B-22, Gfp 255
Old nebulae - none
New nebulae - 1-9
Examined Sept. 16, 1927, by M.R.D.
positions of nebulae Nov. 5, 1927 C.D.B.
Classification Bk. 4 p. 144 - S.F.M.

cc A. 2190, R.A. 5.40, Dec. -65.7, R ~~135~~ 242, B-32, Gfp 261
Old nebulae - Large Mag. Cloud
New nebulae - 1-191
Examined Sept. 16, 1927, by M.R.D.
Comparison stars identified by M.E.M.

cc A. 2513, R.A. 11.5, Dec. -61.3, R 259, B-1, Gfp. 18 7m
Old nebulae - none
New nebulae - ~~1-10~~ no new neb. - only I.C. & N.G.C.
doubtful - ~~a-e~~
Examined Sept. 17, 1927, by M.R.D.
Comparison ~~stars~~ identified by M.E.M.
Positions of nebulae, Bk. II p. 46 S.F.M.
Classification Bk. 4 p. 69 - S.F.M.

cc A. 6763, R.A. 14.28, Dec. +17.9, R 344, B +63, Gfp 240m
Old nebulae - Dust. 37
New nebulae - 1-115
doubtful a-l
Examined Sept. 17, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk 3 p 170, M.E.M.

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cc A. 13151, R.A. 6.32, Dec.-5.5, λ 177, β -17, Grp. 180m
Old nebulae - Anon neb.
No new nebulae
Examined Sept. 19, 1927, by M. R. D.

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cc A. 6807, R.A. 21.27, Dec.-16.6, λ 4, β -45, Grp. 180m
Old nebulae - none
New nebulae - ~~+32~~ none
doubtful a - c
Examined Sept. 19, 1927, by M. R. D.

cc A 6844, R.A. 21.21, Dec.-16.9, λ 2, β -43, Grp. 180m
Old nebulae - none
New nebulae - ~~+32~~ 14 (MEM.)
doubtful a - f
Examined Sept. 19, 1927, by M. R. D.
Comparison stars identified by MEM.
Positions of nebulae Blk. 7, p.d's - MEM.

cc A 6841, R.A. 21.23, Dec.-16.5, λ 4, Lat.-43, Grp 180m
See plate A. 6844 for nebulae on same region.
Examined Sept. 19, 1927, by M. R. D.

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1932phae.proj.233M

cc A. 6761, R.A. 21.32, Dec. -16.0, R 7, B -45, Eff. 240m
Old nebulae - Bailey - 59
New nebulae - 1 - 34
doubtful a-d
Examined Sept. 19, 1927, by W.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae Nov. 4, 1929 Bk. 6 p. 83 - M.E.M.

cc A. 6717, R.A. 11.00, Dec. -72.5, R 262, B -12, Eff. 240m
Old nebulae - Frost 1, 3 marked on plate
New nebulae - 2
Examined Sept. 19, 1927, by W.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae Mar. 17, 1928, Bk. IV p. 96, S.F.M.
Classification Bk. D p. 70. S.F.M.

cc A. 6649, R.A. 10.00, Dec. -77.5, R 262 279, B -18, Eff. 240m
Old nebulae, Frost 0, 2 marked on plate
New nebulae - 1-19
doubtful a-g
Examined Sept. 19, 1927, by W.R.D.
Pos. Dec. 28, 1927. C.D.B. see Bk I p. 81-84
Classification Bk. D. p. 143 - S.F.M.

cc A. 6604, R.A. 23.51, Dec. -67.4, R 27 7, B = -50°, Eff. 240m
Old nebulae - Frost - 9
New nebulae - 1-30
doubtful a
Examined Sept. 19, 1927, by W.R.D.
Comparison stars C.D.B.
Positions C.D.B. Dec. 16, 1927 see B 2 p. 67-75
Classification Bk. D p. 135 - S.F.M.

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1932phae.proj.2338M

cc A. 6572, R.A. 21.7, Dec. +32.6, λ 40, β −18, Eff. 240"
Old nebulae - Drost 0
New nebulae - +3
doubtful a - b
Examined Sept. 19, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Positions of nebulae Bk 7, p. 7 - M.E.M.

cc A. 6808, R.A. 17.28, Dec. -17.5, λ 337, β +7, Eff. 240"
Old nebulae - Drost 3
New nebulae - doubtful a
Examined Sept. 19, 1927, by M.F.D.
Comparison stars identified by M.E.M.
Position of nebula Bk. II p. 104, M.E.M.
Classification Bk. D p. 19 - S.F.M.

cc A. 6805, R.A. 15.50, Dec. -52.5, λ 297, β 0, Eff. 225"
Old nebulae - Drost 0
New nebulae - none
Examined Sept. 20, 1927, by M.F.D.

cc A. 6750, R.A. 13.10, Dec. -52.5, λ 275, β +9, Eff. 230"
Old nebulae - Drost - 2
New nebulae 1
doubtful a
Examined Sept. 20, 1927, by M.F.D.
For. C.D.B. Jan. 1928 in Bk I p. 104. Bk. 4 p. 85 + Bk. 4 p. 171 by S.F.M.
Classification Bk. D p. 70 - S.F.M.

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1932phae.proj.2338M

cc A. 6715, R.A. 11.52, Dec.-62.5, R 264, B -1, Eff. 240m
Old nebulae - Frost - 4
New nebulae - none
Examined Sept. 20, 1927, by W.R.D.

cc A 6657, R.A. 10.51, Dec.-57.5, R 255, B +2, Eff. 240m
Old nebulae, Frost 0, nebulous region
discovered by B.S. Wyeth.
New nebulae - 1
doubtful a
Examined Sept. 20, 1927, by W.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae, M.E.M. Bk 3, p 56
Classification Bk. Hp. 69 - L.F.M.

cc A. 6510, R.A. 19.50, Dec. +32.5, R 37, B +1, Eff. 240m
Old nebulae - Frost 0
New nebulae - 3
doubtful a
Examined Sept. 20, 1927, by W.R.D.
Positions. Dec. 29, 1927. C.B.B. in Bk I, p. 84
Classification Bk. Hp. 143 - L.F.M.

cc A. 13105, R.A. 3.30, Dec.-22.5, R 171/181, B -51, Eff. 180m
Old nebulae - none
New nebulae - 1-92
doubtful a-c
Examined Sept. 20, 1927, by W.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae - July 31, 1929 - Bk. 3 p 189 - M.E.M.

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1932phae.proj.2338M

cc A. 3837, R.A. 20.48, Dec. +32.5, R 45°, B-9°, Cyp. 120~
Old nebulae – none
New nebulae – 2
Examined Sept. 20, 1927, by M.F.D.
Positions Dec. 17, 1927 C.D.D. & B.I. p.75
Classification Bk. Dep. 154 – S.F.M.

cc A. 2[illegible]5, R.A. 18.42, Dec. -6.6, R 356, B -5, Cyp. 250~
Old nebulae – none
New nebulae – none
Examined Sept. 20, 1927, by M.F.D.

cc A. 2518, R.A. 15.24, Dec. -50.5, R 295, B +4, Cyp 249
Old nebulae – none
New nebulae – ~~2~~ 0
Examined Sept. 20, 1927, by M.F.D.
Checked by S.F.M. – no new nebulae

Sept. 22 cc A. 3339, R.A. 3.31, Dec. -52.5, R 230, B -50, Cyp. 240~
4342 p.67
Old nebulae, Mengel 1, Stewart 44
New nebulae – 1-415
doubtful a – k
Examined Sept. 22, 1927, by M.F.D.
Positions S.F.M., ~~Dec.~~ Jan. 5, 1928, Bk. II. p. 3-59 S.F.M.
Classification of nebulae Bk. B p. 32 – S.F.M.
Magnitudes, Bk. H, p. 74 – Jan. 26, 1933 – S.F.M.

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1932phae.proj.2338M

A. 13719, R.A. 13.21, Dec. -42.5, R 278, B+19, Eff. 300
Old nebulae - N.G.C. 5128
New nebulae - 1-71
Examined Sept. 23, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae. Bk. 3 p 66 M.E.M.

Magnitudes of nebulae in cluster, Bk C. p. 11 - M.E.M.

A. 6124, R.A. 18.52, Dec -27.8, R 335, B -15, Eff. 180m
Old nebulae - none
New nebulae - 1-11
doubtful a-b
Examined Sept. 23, 1927, by M.R.D.
Pos. C.D.B. Dec. 27, 1927. Bk I p. 79-80
Classification Bk. B p. 142 S.F.M.

A. 6419, R.A. 13.32, Dec. -52.4, R 278, B+9, Eff. 240m
Old nebulae - drost 2
New nebulae - 1-7
Suspects - a
Examined Sept. 23, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Pos. S.F.M., Mar. 1, 1928 Bk. 2, p. 74-75
Classification Bk. B. p. 143, S.F.M.

A. 6911, R.A. 20.43, Dec +30.5, R 43, B -10, Eff. 240m
Old nebulae - Bailey-17
New nebulae - none
doubtful a-c
Examined Sept. 23, 1927, by M.R.D.

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1932phae.proj.2338M

A. 6914, R.a. 20.44, Dec. +30.3, λ 43°, B-10, Exp. 240m
See plate A 6911 for nebulae on same region
Examined Sept. 23, 1927, by M.R.D.

A. 6915, R.a. 20.43, Dec. +30.2, λ 43, B-10, Exp 240m
See plate 6911 for nebulae covering
same region.
Examined Sept. 23, 1927, by M.R.D.

A. 8261, R.A. 11.46, Dec. +38.0, λ 180, B +78, Exp. 240m
Old nebulae - Bailey 245
New nebulae - 1-19
Examined Sept. 29, 1927. by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae by M.E.M.
Classification Bk. Dyn. 182. S.T.M.

Magnitudes Bk. Dyn. 182
Oct. 7, 1927 - S.T.M.

A. 6506, R.A. 18.49, Dec. -2.3, λ 359, B-3, Exp. 240m
Old nebulae - Drast 0
New nebulae - none
Examined Sept. 24, 1927, by M.R.D.

A. 16521, R.A. 21.35, Dec. -23.7, λ 356, B-49, Exp. 300
Old nebulae - none
New nebulae - 1-261
Suspects, a-l
Examined Sept. 26, 1927, by M.R.D.
Comparison stars identified by M.E.M.

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1932phae.proj.2338M

A. 12546, R.A. 0.0, Dec. -27.8, ℓ 359, B -81, Eff. 240m
Old nebulae - none
New nebulae - 1 - 257
Suspects a - e
Examined Sept. 27, 1927, by W.R.D.
Nebular positions. C.D.B.
Classification of nebulae - Bk. Ap. 76 - S.F.M.

A. 13331, R.A. 18.00, Dec. -60.0, ℓ ~~332~~ 302, B -19, Eff. 180m
Old nebulae - none
New nebulae - 1-39
Suspects a - b
Examined Sept. 27, 1927, by W.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae - S.F.M. Bk. II p. 133
Classification - Bk. B p. 215 - S.F.M.

A. 9387, R.A. 27 Dec. +27.8°, ℓ 182, B +83, Eff. 240m
Old nebulae - none
New nebulae - 1-93
Suspects a - c
Examined Sept. 27, 1927, by W.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae - M.E.M. Bk 3 p 184

A-7376, R.A. 15.31, Dec. -52.5, ℓ 294, B +1 Eff 240m
Old nebulae - none
New nebulae - 2
Examined Sept. 27, 1927, by W.R.D.

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A. 4834, R.A. 22.20, Dec. −72.5, λ 284, β −42, Gp. 212°
Old nebulae – 3 marked in Perm
New nebulae – 1–14; 15–32 by S.A.M.
Suspects a–d
Examined Sept. 28, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae Oct 24, 1929 – Bk 6 p. 82 – M.E.M.

A 5442, R.A. 18.00, Dec. −82.5, λ 278, β −34, Gp. 203°
Old nebulae – none
New nebulae – 1–8
Suspects a–b
Examined Sept. 28, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Position of nebula, Oct 25, 1929 – Bk 6 p. 83 – M.E.M.

A. 5915, R.A. 14.00, Dec. −57.5, λ 287 β +1, Gp. 240°
Old nebulae – none
New nebulae – none
Examined Sept. 28, 1927, by M.R.D.

A. 6988, R.A. 0.50, Dec. −73.1, λ 269, β −44, Gp. 240°
Old nebulae – Small Mag. Cld.
See plate 2150 for nebulae covering same region
Examined Oct. 1, 1927, by M.R.D.

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A 2189, R.A. 0.52, Dec. -73.0, R 269, B-44 Exp. 210m
Old nebulae - small Mg. Cld.
See plate 2150 for nebulae on same region
Examined Oct. 1, 1927, by W.R.D.

A. 2188, R.A. 5.30, Dec. -68.0, R 245, B-32 Exp. 339m
Old nebulae - Large Magellanic Cloud
New nebulae along the edges of the plate 1-65
Examined Oct. 1, 1927, by W.R.D.
neb. positions C.D.B. Nov. 1924 see book 1, pps 38-43

A. 6423, R.A. 15:11, Dec. -52.5, R 392 B+3 Exp 240m
Old nebulae, Knot 0, 2 nebulae marked
New nebulae - 1-3
Suspects a-c
Examined Oct. 1, 1927, by W.R.D.
Comparison stars identified by M.E.M.
Position of nebula, Bk. II p. 146 - S.T.M.
Classification Bk. D p. 20 - S.T.M.

A. 2152, R.A. 3 39, DEC. +23.7, λ 133, B-22, Exp. 270m
See A. 2105
Examined Oct. 1, 1927 by S.T.M.

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1932phae.proj.233M

A.5907, R.A. 12 50, Dec. -57.5, λ 271, β +5, Exp. 240
Old nebulae - none
New nebulae - none
Examined Oct. 15, 1927 by S.F.M.

A 5362, R.A. 15 0, Dec. -82.5 λ 275, β -22, Exp. 180
Old nebulae - Stewart 3
New nebulae, 1-4
doubtful a-d
Examined Oct. 15, 1927 by S.F.M.

A.7277, R.A. 12 51, Dec. -62.5, λ 272, β ± 0, Exp. 180
Old nebulae - none
New nebulae - none
doubtful - a (O.K.)
Examined Oct. 15 1927 by S.F.M.
Comparison stars identified by M.E.M.
Position of nebula, M.E.M. Bk. 3, p. 56
Classification Bk. Dp. 70 - S.F.M.

A. 9812, R.A. 5 59, Dec. +17.5, λ 160, β -1, Exp. 176
See A.9821 for plate covering same region

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1932phae.proj.2338M

A. 9921, R.A. 5 57 Dec. +17.8, λ 160 β ± 0 Exp. 207
Old nebulae - none
New nebulae - none
Examined Oct. 20, 1927 by S. F. M.

A. 3554 R.A. 13 55. Dec. -10.5, λ 296, β +49 Exp. 180
Old nebulae - Stewart 5
New nebulae 1 - 15
Examined Oct. 20, 1927 by S. F. M.
Nebulae transferred to A. 3657, a better plate. Sept. 10, 1928

A. 5909, R.A. 14 20^{m}, Dec. -57.5, λ 283, β +2, Exp. 240
Old nebulae - none
New nebulae - none
Examined Oct. 20, 1927 by S. F. M.

A. 5906, R.A. 13 20 Dec. -57.5, λ 276, β +4, Exp. 240
Old nebulae - none
New nebulae - none
Examined Oct. 20, 1927 by S. F. M.

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1932phae.proj.233M

A·9079, R.A. 6 36, Dec. +12.8, λ 165, β +5, Exp. 158
Old nebulae - two objects marked
New nebulae - none
suspects a - b
Examined Oct. 20, 1927 by S.F.M.

A·9102, R.A. 6 26, Dec. +11.5, λ 169, β +1, Exp. 180
Old nebulae - none
New nebulae - none
Examined Oct. 20, 1927 by S.F.M.

A.12148, R.A. 18 29, Dec. -3.0, λ 332, β -12, Exp. {296 / 26 / 120}
Old nebulae - none
New nebulae - none
Examined Oct. 20, 1927 by S.F.M.

A.12373, R.A. 13 21, Dec. -47.0, λ 277, β +13, Exp. 300
Old nebulae -
New nebulae, 1 - 13
suspects, a - c
Examined Oct. 22, 1927 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae: Bk 6 p 137 - M.E.M.

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1932phae.proj--338M

A. 7639, R.A. 12 21, Dec. -62.5, λ 26F, β-1, Exp. 240
Old nebulae - none
New nebulae - none
Examined Oct. 22, 1927 by S.F.M.

A. 3094, R.A. 12 20, Dec. -62.6, λ 26F, β-1, Exp. 240
A. 7639 covers region

A. 5390, R.A. 16 30 Dec. -62.5, λ 27A, β-3, Exp. 20d
Old nebulae - none
New nebulae - none
Examined Oct. 24, 1927 by S.F.M.

A. 5370, R.A. 13 50, Dec. -62.5, λ 27A, β-2, Exp. 240
Old nebulae - none
New nebulae - none
Examined Oct. 24, 1927 by S.F.M.

A. 9332, R.A. 1 22, Dec. -26.3 λ 224, β+1F, Exp. 16
No nebulae

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1932phae.proj.233M

A·9360, R.A. 9 25, Dec. -25.4, λ223, β+19, Exp. 171
No new nebulae

A·9125, R.A. 14 31, Dec. -79.6, λ277, β-19, Exp. 180
Old nebulae-none
New nebulae-none
suspects-a
Examined Oct. 25, 1927 by J.F.M.

A·9264, R.A. 9 14, Dec. -32.3, λ228, β+12, Exp. 185
No nebulae

A·10115, R.A. 15 32, Dec. -42.4, λ 301, β+9, Exp. 241
No nebulae

A·10134, R.A. 15 28, Dec. -41.1 λ 301, β+11, Exp. 249
No nebulae

A·10008, R.A. 4 02, Dec. +15.3, λ 145, β-25, Exp. 172
No nebulae

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1932phae.proj-2338M

250

H 4342, R.A. 10 10, Dec -32.6, λ 237, β +20, Exp. 249
Old nebulae - Stewart 24
New nebulae - 1-73
Examined Sept 22, 1927, by M.R.D.
Comparison stars identified by M.E.M.
Positions of nebulae, Mar. 14, 1928, Bk. II p. 99-101, S.F.M.
Classification Bk. Dup. 127 - S.F.M.

A. 14109, R.A. 6 35, Dec. -62.6, λ 239, β -20, Exp. 180
Old nebulae - none
New nebulae, 1-186
suspects a-d
Examined Jan. 9, 1928 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk 6 p. 21 - M.E.M.

A. 4399, R.A. 12 4, Dec. -67.8, λ 269, β. 26, Exp. 270
Old nebulae - none
New nebulae - none
Examined Feb. 17, 1928, S.F.M.

A. 12295 R.A. 5 26, Dec. -62.0 λ 238, β -33, Exp. 265
Old nebulae - none
New nebulae 1-19
Examined Feb. 28, 1928 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae, Bk 6 p 153 - M.E.M.

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A.12233 R.A. 23 14, Dec. -73.0, λ 279, β -44, Exp. 240
Old nebulae -
New nebulae, 1-35
Examined Feb. 29, 1928 S. F. M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. 7, p. 16 - M.E.M.

H 3078 R.A. 13 33, Dec -30.4 λ 283, β +30 Exp 240
Old nebulae - Mengel 103
New Nebulae - See H 2519
Examined by M.R.D.

A.2755 R.A. 21 52, Dec. -40, λ 330, β -34 Exp. 279
Old nebulae - Mengel 34
New nebulae - 27
Examined Mar. 20, 1928, S. F. M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. 4, p. 173 - S. F. M.
Classification Bk. 4, p. 95 - S. F. M.

A.6810 R.A. 22 20, Dec. -62.5, λ 294, β -48 Exp. 240
Old nebulae - Trust 13, Mengel 34
New nebulae - 3
Examined Mar. 21, 1928, S. F. M.
Comparison stars identified by M.E.M.

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1932phae.proj.233M

A.6994 R.A. 21 50 Dec. -62.5 λ 297 β -46 Exp. 240
Old nebulae - Wenzel 167
New nebulae - 43
Examined Mar. 21, 1928 S.I.M.
Comparison stars identified by M.E.M.
Positions of nebulae Nov. 25, 1929; Bk 6 p 94 - M.E.M.

A.7498 R.A. 21 50. Dec. -57.5 λ 303 β -4F Exp. 240
Old nebulae - Wenzel 203
New nebulae - 14
Examined Mar. 21, 1928 S.I.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk. 3 p 142 - M.E.M.
Classification - Bk. D p. 163 - S.I.M.

A.7427 R.A. 22 50 Dec. -62.5 λ 290 β -5.1 Exp. 240
Old nebulae - Wenzel 10
New nebulae - 4
Examined Mar. 21, 1928 S.I.M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk 3 p 120 - M.E.M.

A.7500 R.A. 22 21 Dec. -57.5 λ 300 β -52 Exp. 241
Old nebulae - Wenzel 133
New nebulae - 21
Examined Mar. 21, 1928 S.I.M.
Comparison stars identified by M.E.M.
Positions of nebulae Jan 11, 1930 Bk 6 p 122 - M.E.M.

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1932phae.proj.2338M

120m Exposures

A. 7897 R.A. ~~17~~ 16 ~~26~~ 58 Dec. ~~-30.2~~ -14.8 Exp. 120m
No new nebulae
April 10, 1928 - S. F. M.

A. 8401 R.A. 16 48 Dec. -44.8 Exp. 120m
No new nebulae
April 10, 1928 - S. F. M.

A. 8759 R.A. 17 26 Dec. -30.2 Exp. 120m
No new nebulae
April 11, 1928 - S. F. M.

A. 12412 R.A. 15 10 Dec. -56.0 Exp 120m
New nebulae - ~~one~~ 0 H.S.
April 10, 1928 S. F. M.
Comparison stars identified by M.E.M.

A. 10245 R.A. 17 49 Dec. -29.0 Exp. 120m
No new nebulae
April 11, 1928 - S. F. M.

A. 8924 R.A. 18 10 Dec. -14.9 Exp. 120m
~~No~~ new nebulae - 4 Fleming 2
Ad nebulae. ~~Fleming~~ 2
April 11, 1928 - S. F. M.
Comparison stars identified by M.E.M.
Positions pend. Bk. II p. 112 - S. F. M.
Classification, Bk. II p. 74 - S. F. M.

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1932phae.proj.2338M

120m exposures

A.12490 R.G. 1A 30 Dec. -32.5 Exp. 120m

New nebulae - 1

April 11, 1924 - S.I.M.

Comparison stars identified by M.E.M.

Pos. of neb. May 1, 1924 - S.I.M. Not accepted H.S.

A.4293 R.G. 1A 20 Dec. -23.0 Exp. 120m

No new nebulae.

April 11, 1924 - S.I.M.

A.10241 R.G. 1A 30 Dec. -12.4 Exp. 120m

New nebulae - 1

April 11, 1924 - S.I.M.

Comp. stars M.E.M.

Pos. nebulae Bk. II p. 140 - S.I.M.

Classification Bk. D p. 20 - S.I.M.

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1932phae.proj.233M

A. 7372 R.A. 11 12 Dec. -52.5 λ 2879 β -2 Exp. 240
Old nebulae - Merged
New nebulae - one
Examined April 11, 1928 - S.F.M.
Comparison stars identified by M.E.M.

A. 7418 R.A. 17 11 Dec. -52.5 λ 305 β -10 Exp. 240
Old nebulae - Merged 7
New nebulae - X 0 (HS.)
Examined April 12, 1928 - S.F.M.

A. 7413 R.A. 17 53 Dec. -52.5 λ 318 β -15 Exp. 200
Old nebulae - Merged 3
New nebulae - X 1
Examined April 12, 1928 - S.F.M.
Pos. of nebulae Bk. II p. 139, S.F.M.
Comp. stars - S.F.M
Classification Bk. D p. 24 - S.F.M.

A. 7424 R.A. 18 11 Dec. -47.5 λ 314 β -16 Exp. 240
Old nebulae - Merged 1
New nebulae - 3
Examined April 12, 1928 - S.F.M.
Position of nebulae Bk. II p. 139 - S.F.M.
Classification, Bk. B. p. 215 - S.F.M.

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1932phae.proj.233M

A.6452 R.A. 16 18 Dec. -57.5 λ 297 β-7 Exp. 240
Old nebulae - Mengel
New nebulae - none
Examined April 12, 1928 - S.F.M.

A.6134 R.A. 19 11 Dec. -27.5 λ 332 β-18 Exp. 240
Old nebulae - Wendell
New nebulae - 0
Examined April 13, 1928 - S.F.M.
Comp. stars - S.F.M.
Pos. of neb. Bk. II p. 141, S.F.M.
Classification Bk. B p. 142 S.F.M.

A. 2757 R.A. 1f 2f Dec. -17.5 Exp. 40m
No new nebulae
Examined April 13, 1928 - S.F.M.

A. 7378 R.A. 16 31 Dec. -52.5 Exp. 240
No new nebulae
Examined April 13, 1928 - S.F.M.

A.3328 R.A. 3 31 Dec. -38.0 Exp. 62
New nebulae - 3
Old nebulae - many N.G.C.
Examined April 16, 1928 - S.F.M.

A.12425 R.A. 16 46 Dec. -41.3 λ 311 β+1 Exp. 300m.
New nebulae - 4
Examined April 16, 1928 - N.S.
Comp. stars - M.E.M.
Pos. of nebulae Bk. II p. 130 - S.F.M.

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1932phae.proj.2338M

8 X 10 A.4040 R.A. 3 31 Dec. -37.0 Exp. 10m
Old nebulae - many N.G.C.
New nebulae - none
Examined April 16, 1928, S.F.M.

A.12089 R.A. 17 20 Dec. -35.0 Exp. 600m
No new nebulae
Examined April 17, 1928 - S.F.M.

A.3795 R.A. 16 50 Dec. -17.5 Exp. 60m
No new nebulae
Examined April 20, 1928 S.F.M.

A.2662 R.A. 15 10 Dec. -37.6 Exp. 60m
New nebulae - 4
Examined April 21, 1928 - S.F.M.
Positions of nebulae, Bk. 4 p. 160 - S.F.M.
Classification Bk. D p. 25 - S.F.M.

A.2849 R.A. 17 8 Dec. -17.5 Exp. 61m
No new nebulae
Examined April 21, 1928 - S.F.M.

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1932phae.proj.2338M

A·2769 R.A. 17 4f Decc. -17.3 Exp. 71m
No new nebulae
April 21, 1928 - S.F.M.

A·2656 R.A. 18 6 Decc. -17.5 Exp. 62m
New nebulae - 2
April 21, 1928 - S.F.M.

A·1905 R.A. 16 47 Decc. -37.5 Exp. 60m
No new nebulae
April 21, 1928 - S.F.M.

A·1986 R.A. 18 18 Decc. -37.5 Exp. 60m
No new nebulae
April 21, 1928 - S.F.M.

A·2614 R.A. 17 10 Decc. -37.5 Exp. 60m
No new nebulae
Examined April 23, 1928 - S.F.M.

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1932phae.proj.2338M

A·2753 1ʰ 50 −17·5 Exp. 62ᵐ
No new nebulae
Examined April 23, 1928 – S. F. M

A·2765 R.A. 19 10 Dec. −17·5 Exp. 60ᵐ
No new nebulae
Examined April 23, 1928 – S. F. M.

A·13212 R.A. 16 0 Dec. −30. Exp. 60ᵐ
~~New nebulae - 1~~ N. G. C. object
Examined April 23, 1928 – S. F. M.

A·9529 R.A. 19 0 Dec. −20 Exp. 60ᵐ
No new nebulae
Examined April 24, 1928 – S. F. M.

A·9421 R.A. 15 40 Dec. −30 Exp. 60ᵐ
No new nebulae
Examined April 24, 1928 – S. F. M.

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1932phae.proj - 2338M

A.9397 R.A. 18 0 Dec. -20.0 Exp. 60m
No new nebulae
Examined April 24, 1928 - S. F. M.

A.9318 R.A. 14 40 Dec. -50.0 Exp. 10m
No new nebulae
Examined April 24, 1928 - S. F. M.

A.10147 R.A. 15 15 Dec. -47.4 Exp. 60m
No new nebulae
Examined April 24, 1928 - S. F. M.

A.3799 R.A. 17 9 Dec. -2.4 Exp. 64m
No new nebulae
April 24, 1928 - S. F. M.

A.12577 R.A. 18 25 Dec. -30.1 Exp. 120m
No new nebulae
Examined April 25, 1928 - S. F. M.

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1932phae.proj.233M

A.10064 R.A. 16 30 Dec. −12.5 Exp. 63m
No new nebulae
Examined April 25, 1928 - L.F.M.

A.9580 R.A. 17 7 Dec. −17.3 Exp. 60m
No new nebulae
Examined April 25, 1928 - L.F.M.

A.9549 R.A. 17 57 Dec. −10.0 Exp. 60m
No new nebulae
Examined April 25, 1928 - L.F.M.

A.9272 R.A. 16 59 Dec. −25.0 Exp. 47m
No new nebulae
Examined April 25, 1928 - L.F.M.

A.9057 R.A. 17 40 Dec. −35.0 Exp. 60m
No new nebulae
Examined April 25, 1928 - L.F.M.

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1932phae.proj.233M

A·9031 R.A. 17 9 Dec. -30.0 Exp. 60m
No new nebulae
Examined April 26, 1928 - S.F.M.

A·7358 R.A. 16 47 Dec. -22.4 Exp. 60m
No new nebulae
Examined April 26, 1928 - S.F.M.

A.5650 R.A. 17 12 Dec. -47.5 Exp. 60m
No new nebulae
Examined April 26, 1928 - S.F.M.

A. 4418 R.A. 17 2P Dec. -2.5 Exp. 60m
No new nebulae
Examined April 26, 1928 - S.F.M.

A. 2678 R.A. 15 30 Dec. -37.5 Exp 60m
No new nebulae
Examined April 26, 1928 - S.F.M.

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1932phae.proj.2338M

A. 2608 R.A. 17 2 Dec. -67.7 Exp. 10m
No new nebulae
Examined April 26, 1928 - L.F.M.

A. 8288 R.A. 15 30 Dec. -32.5 Exp. 60m
New nebulae - 1
Examined April 27, 1928 - L.F.M.
Position of nebula Bk. 4. p. 161 - L.F.M.
Classification Bk. D p. 26 - L.F.M.

A. 13015 R.A. 15 50 Dec. -47.5 Exp. 60m
No new nebulae
Examined April 27, 1928 - L.F.M.

A. 3236 R.A. 15 11 Dec. -32.5 Exp. 60m
New nebulae - 1
Examined April 27, 1928 - L.F.M.
Position of nebula Bk. 4 p. 161 - L.F.M.
Classification Bk. D p. 161 - L.F.M.

A. 6456 R.A. 17 30 Dec. -42.6 Exp. 150m
No new nebulae
Examined April 27, 1928 - L.F.M.

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1932phae.proj.2638M

A.5687 R.A. 16 0 Dec. -25.0 Exp. 60m
No new nebulae
Examined April 27, 1928 - S.F.M.

A.5659 R.A. 16 31 Dec. -42.5 Exp. 62m
No new nebulae.
Examined April 27, 1928 - S.F.M.

A.3930 R.A. 17 7 Dec. -7.5 Exp. 65m
No new nebulae
Examined April 27, 1928 - S.F.M.

A.2853 R.A. 17 28 Dec. -12.5 Exp. 61m
No new nebulae
Examined April 27, 1928 - S.F.M.

A.2659 R.A. 18 6 Dec. -38.0 Exp. 60m
Few nebulae - X 6 H.D.
Examined April 28, 1928 - S.F.M.

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1932phae.proj.233M

A.7395 R.A. 1h 8 Dec. -7.4 Exp. 60m
No new nebulae
Examined April 2d, 1928 - L.F.M.

A.3909 R.A. 17 2d Dec. -7.4 Exp. 60m
No new nebulae
Examined April 2d, 1928 - L.F.M.

A.8370 R.A. 1h 30 Dec. -27.5 Exp. 60m
No new nebulae
Examined April 2d, 1928 - L.F.M.

A.2842 R.A. 1h 50 Dec. -22.5 Exp. 60m
No new nebulae
Examined April 2d, 1928 - L.F.M.

A.4800 R.A. 1h 50 Dec. -32.5 Exp. 60m
No new nebulae
Examined April 2d, 1928 - L.F.M.

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1932phee.proj.2338M

A.1933 R.A. 15 4P. Dec. -57.6 Exp. 62m
No new nebulae
Examined April 2P, 1928 - S.F.M.

A. 5654 R.A. 1P 20 Dec. -57.5 λ 305 β -21 Exp. 25m
New nebulae - 2-3
Old nebulae - Stewart 16, many I.C. objects
Examined May 17, 1928 - S.F.M.
(Badly broken)

A.5753 R.A. 4 12 Dec. -47.2 Exp. 60m
Old nebulae - 7 N.G.C. certain & 8 I.C. questioned
New nebulae certain - XX 4
Examined Aug. 16 1928 by S.F.M.

A.4208 R.A. 3 32 Dec. -42.5 Exp. 60m
Old nebulae - I.C. + N.G.C. objects
New nebulae - none
Examined Aug. 27, 1928 - S.F.M.

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1932phae.proj.2338M

A.3443 R.A. 4 30 Dec. -47.7 Exp. 60m
Old nebulae - 2 N.G.C.
New nebulae - one
Examined Aug. 28, 1928 - S.F.M.

A.3403 R.A. 2 52 Dec. -57.5 Exp. 60m
Old nebulae - 4 N.G.C.
New nebulae - none
Examined Aug. 28, 1928 - S.F.M.

A.3404 R.A. 4 22 Dec. -57.5 Exp. 65m
Old nebulae - 13 N.G.C. + 5 I.C.
New nebulae - none
Examined Aug. 29, 1928 - S.F.M.

A.3332 R.A. 3 30 Dec. -52.5 Exp. 60m
Plate full of defects. N.G.
Examined Aug. 29, 1928 - S.F.M.

A.3329 R.A. 3 12 Dec. -42.5 Exp. 60m
Old nebulae - 1 N.G.C.
New nebulae - none
Examined Aug. 29, 1928 - S.F.M.

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1932phae.proj.2339M

A·3657 13 5·4 -10·3 λ 298 β+47 Exp·174
Old nebulae - 5 I.C.+ 1 N.G.C.
New nebulae - 22 (transferred from A·3534)
Examined Sept. 10 1926 - S.F.M.
Comp. stars identified - S.F.M.
Positions of nebulae - Bk.4 p.92 - S.F.M.
Classification of nebulae - Bk.B p.122 - S.F.M.

A·6504 18 30 -52·8 λ 310 β-21 Exp. 240
Old nebulae - Trust 6
New nebulae - 9
Examined Sept. 29, 1926 - S.F.M.
Comparison stars identified - S.F.M.
Positions of nebulae - Bk. 4 p. 121 - S.F.M.
Classification of nebulae - Bk. B p. 197 - S.F.M.
Magnitudes of nebulae - Bk. C p. 68 - S.F.M.

A·5373 14 20 -62·5 λ 281 β-2 Exp. 244
Old nebulae - Stewart 0
New nebulae - 1
Examined Oct. 2, 1926 - S.F.M.
Comparison stars identified - S.F.M.
Position of nebula - Bk. 4 p. 122 - S.F.M.
Classification, Bk. B p. 198 - S.F.M.

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1932phae.proj.2338M

A3428 R.A. 5 02 Dec. -71.0 λ 247 β -35 Exp. 302
(Magellanic Cloud) Old nebulae - none (used as check plate by Mengel)
New nebulae - 14
Examined July 29, 1929 - S.J.M.

A2158 R.A. 5 04 Dec. -66.5 λ 243 β -35 Exp. 185
Old nebulae - Magellanic Cloud (check plate by Mengel)
New nebulae - 43
Examined Aug. 31, 1929 - S.J.M.

A.3164 R.A. 13 48 Dec. -22.5 λ 290 β +37 Exp. 240
Old nebulae - Mengel 34
New nebulae certain - 20 [-24 - M.E.M.]
New nebulae doubtful, a-d (doubtful inasmuch as a 60^m plate was insufficient to determine their validity)
Examined Sept. 6, 1929 by S.J.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk. 7 p. 15 - M.E.M.

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1932phae.proj.2338M

A.5914 R.A. 13 52 Dec. −52.5 λ 281 β +2 Exp. 240
Old nebulae - Mengel 2
New nebulae - 3
Examined Sept. 6, 1929 by S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae, Bk 7 p 134 - M.E.M.

A.7372 R.A. 16 29 Dec. +17.5 λ 2 β +37 Exp. 240
Old nebulae - Mengel 44
New nebulae - 12
Examined Sept. 17, 1929 - S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae, Bk. 7, p 188 - M.E.M.

A.7374 R.A. 16 9 Dec. +17.6 λ 0 β +40 Exp. 242
Old nebulae - 154
New nebulae - 133
Examined Sept. 17, 1929 - S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk 7 p. 196 - M.E.M.
Magnitudes of nebulae in cluster Bk G., p. 6 - M.E.M.

A.7033 R.A. 0 20 Dec. −67.5 λ 273 β −50 Exp. 240
Old nebulae - Mengel 84
New nebulae - 69
Examined Sept. 18, 1929 - S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk 7 p 151 - M.E.M.

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1932phae.proj.233M

H.7373 P.9. 21 ρ Dec. +17.5 λ36 β-22 Exp. 240
Old nebulae - Mengel 0
New nebulae - 15
Examined Sept. 19, 1929 - S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae; Bk. 7, p. 191 - M.E.M.

H.7375 P.9. 21 29 Dec. +17.5 λ39 β-24 Exp. 242
Old nebulae - Mengel 14
New nebulae certain - 7
Doubtful - a
Examined Sept. 19, 1929 - S.F.M.
Comparison stars identified by M.E.M.
Positions of nebulae Bk. 7, p. 195 - M.E.M.

H.7412 18 0.2 -52.5 λ312 β-29 Exp. 247
Old nebulae - Mengel 34
New nebulae - 9
Examined Sept. 19, 1929 by S.F.M.
Complete ~~Partial~~ Classification Bk. 4 p. 210 - S.F.M.
Magnitudes Bk. 6 p. 72 - S.F.M.

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1932phae.proj.2338M

H 7493 R.A. 19 30 Dec. -52.5 λ 313 β -29 Exp. 240
Old nebulae - Bailey 168; Mayall 16
New nebulae - none
Classification Ch. Up. 202 - S.I.M.
Examined ~~Oct~~ Sept. 19, 1929 by S.I.M.

H 7494 R.A. 23 20 Dec. -62.5 λ 285 β -53 Exp. 240
Old nebulae - Mayall 73
New nebulae certain - 15
Identified - a
Examined Sept. 20 1929. S.I.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk. 7, p. 9 - M.E.M.

H 7501 R.A. 22 11 Dec. -52.5 λ 308 β -53 Exp. 160
Old nebulae - Mayall 13
New nebulae - 47
Examined Oct. 15, 1929 - S.I.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Bk 7, p 135; - M.E.M.

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1932phae.proj.233M

H14262 ✓ R.A. 23 16 dec. +7.5 λ 58° β -49° Exp. 180
Old nebulae -
New nebulae -
Examined Jan 27, 1930 - M.E.M.
See work book A, p57 reexamined in 1937 CDB

H.14238 ✓ 18 35 -29.5 λ 333° β -12° Exp. 122 Stopped by clouds. Actual exposure about 70m
Many doubtful objects and
one nebula marked - Jan. 30, 1930 - S. F. W.
Plate later checked with H.14240 - no new nebulae
Mar. 31, 1930 - S. F. W.

H 14194 ✓ R.A. 16 53 dec. -28.2 λ 322° β +8° Exp. 190
Old nebulae - none
New nebulae - 7a ; ~~suspects a-ab~~
Examined Feb. 15, 1930 - M.E.M.
Comparison stars identified by M.E.M.
Positions of nebulae - Blo. 7 p 27 - M.E.M.

H 14210 ✓ R.A. 23 30 dec. -22.6 λ 13° β -73° Exp. 120
Old nebulae - ~~none~~ 2 NGC (1 NS), 3 I C (1?)
New nebulae - 257-88 ; suspects a-ab
Examined Feb. 18, 1930 - M.E.M. Rep Comp 1937 CDB
Measured N' P 65 CDB

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1932phae.proj.2338M

H 14211 ✓ R.A. 17 22 Dec. -5.5 λ 346° β +15.5° Exp. 180

Plate checked Apr. 2, 1930 by S.F.H. – 15 retained Plate H. 14217 used.

Old nebulae – none

New nebulae ~~+ – 68~~ 15 ; ~~suspects a – ak~~

Examined Feb. 20, 1930 – M.E.M.

Comparison stars identified by M.E.M.

Positions of nebulae – Bk. 7, p. 29 – M.E.M.

H 14219 ✓ R.A. 22 33. Dec. -67.6 λ 286° β -45.5° Exp. 120

Old nebulae – N.G.C. 8; I.C. 37; 9 in H 4604 and H 4615

New nebulae – 837 (re-examined Nov., 1933)

Examined March 15, 1930 – M.E.M.

Comparison stars identified by M.E.M.

Positions of nebulae: Bk. 7, p 32 – M.E.M.

Magnitudes of nebulae, Bk. L, p 110 – M.E.M.

H. 12193 R.A. 22 40 Dec. -45.0 λ 316 β 61 Exp. 360

Old nebulae – Shapley P65 (15 probably defects)

New nebulae – P65 – 1000 (due to poorness of plate many are doubtful)

Examined March 31, 1930 – S.F.H.

Re-examined April 1937 CDB

and added 107 new nebulae

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1932phae.proj.233M

H. 14217 ✓ R.A. 17,22 Dec. -5.5 λ 346 β +15.5 Exp. 180m

H 14211 used as check plate - identical region

Old nebulae - none

New nebulae - 6

Examined April 2, 1930 by S. I. M.

H. 14257 ✓ R.A. 19 14 Dec. -20.0 λ 347 β -17 Exp. 180m

Direction is bad long exp. check plate impossible to tell genuineness of nebulae.

Old nebulae - none

New nebulae 1-26

Doubtful a-c

Examined April 4, 1930 - S. I. M.

Comparison stars identified by M.E.M.

Positions of nebulae - Rk. 7, p. 182 - M.E.M.

H. 14215 ✓ R.A. 17 3 Dec. -14.0 λ 336 β +14 Exp. 115m

Same remark as above. Partially checked with H. 7897

Old nebulae - none

New nebulae 1

Examined April 5, 1930 by S. I. M.

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1932phae.proj.233M

H.14248 ✓ R.A. 23 0 Dec. -25.0 λ 1 β -68 Exp. 120m

Old nebulae – none

New nebulae 1–47

Doubtful a-f

Examined April 7, 1930 by L.F.M.

Comparison stars identified by M.E.M.

Positions of nebulae, Bk. 7, p. 173 – M.E.M.

same remarks as for H.14257

H.14256 ✓ R.A. 6 35 Dec. -62.6 λ 239 β -25° Exp. 210m

Old nebulae – 186 (on H.14109)

New nebulae – 321

Examined April 9, 1930 by L.F.M.

Magnitudes of nebulae Bk: Z:33 m.m.s

H.14282 ✓ R.A. 4 0 Dec. -77.0 λ 258 β -36 Exp. 144

Old nebulae – 27 on H.4881 (identical region)

New nebulae – 193

Doubtful – a

Examined April 11, 1930 by L.F.M.

Comparison stars identified by M.E.M.

Positions of nebulae Bk 7, p. 82 – M.E.M.

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1932phae.proj.2338M

R.A.

H. 13033 20 50 Dec. -47.5 λ 320 β -42 Exp. 210 min

Old nebulae - none

New nebulae - 249

doubtful a-g

Examined Sept. 30, 1930 - S.L.M.

H. N263 R.A. 11 20 Dec. -62.5 λ 261 β -2 Exp. 180 min

Dark & gaseous nebulae only - S.L.M.

H. 14251 R.A. 22 5 Dec. -77.2 λ 290 β ~~-7~~38 Exp. 180 min

Old nebulae - Wenzel 5 Transferred from H. 9071

New nebulae - 78

Examined Oct. 3, 1930 by S.L.M.

Magnitudes of nebulae Bk. B': 11.5 m.m. 5.

H. 9074 R.A. 22 31 Dec. -52.5 λ 306 β -56 Exp. 240

Old nebulae - Wenzel 5

New nebulae - 10

Examined Oct. 9, 1930 by S.L.M.

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1932phae.proj.2336M

H. 7343 R.A. 22 19 Dec. -11.9 λ β Exp. 120
Old nebulae - Mayall 24
New nebulae - 78
Examined Oct. 14, 1930 by S.T.M.

H. 7353 R.A. 14 19 Dec. -15.8 λ 302 β +40 Exp. 120
Old nebulae - Mayall 40
New nebulae - 39
Examined Oct. 16, 1930 - S.T.M.

H. 7616 R.A. 4 58 Dec. -15.2 λ 141 β -30 Exp. 120
Old nebulae - Mayall 62
New nebulae - 61
Examined Oct. 20, 1930 by S.T.M.

H. 8570 R.A. 5 26 Dec. -60.2 λ 257 β -34 Exp. 120
Old nebulae - Mayall 56
New nebulae - 70
Examined Oct. 31, 1930 by S.T.M.

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1932phae.proj.2338M

H.8962 R.A. 20 36 Dec. +40.0 λ β Exp. 120
Old nebulae - Wyngaard 22
New nebulae - 17
Examined Nov. 5, 1930 by S. I. M.

H. 9068 R.A. 21 22 Dec. -5-7.5° λ 306 β -40° Exp. 210
Old nebulae - Wyngaard 42
New nebulae - 90
Examined Nov. 10, 1930 by S. I. M.

H 14296 R.A. 21 0 Dec. -30 λ 343 β -45 Exp. 180
Old nebulae - none
New nebulae - 141
Examined Dec. 2, 1930 by M.E.M.

Magnitudes of nebulae Bk. L p. 7 - M.E.M.

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1932phae.proj.233M

H 14358 R.A. 0 30 Dec. -22.5 λ 70 β -83° Exp. 180m
Old nebulae - none 16 NGC 6 IC 2 Hel 11 Lick
New nebulae - 427 704 T1 Lick no
Examined Dec. 4, 1930 - M.E.M.
Magnitudes N' 35 '38 C.D.B.

FOR 14323,
(DEC. 8) CF P. 98

14253 Magnitudes of nebulae, Bk. K., p. 163 - M.E.M.

H 14325 R.A. 21 44 Dec. -72.6 λ 284 β -40 Exp. 180m
This plate used in examination of H 4759 + 4816.
Old nebulae - marked in blue + green + on H 4759 + 4834
New nebulae - 42 F
Examined Dec. 9, 1930 by L.F.C.

H 14202 R.A. 18 23 Dec. -67.7 λ 295 β -25 Exp. 180m
This plate used for examination of H 4611.
Old nebulae - see H 4611
New nebulae - 42
Examined Dec. 10, 1930 by L.F.C.

Magnitudes of nebulae Bk. B': 67 M.M.S.

H 14253 R.A. 18 22 Dec. -62.7 λ 300 β -22 Exp. 180
Old nebulae - 33 on 3459 by M.P.L.; Stewart 39
New nebulae - 128
Examined Dec. 6, 1930 - L.F.C.
Comparison plate Mar. 14 1931 - D.H.L.
Position April 8, 1931 - D.M.L.

Lupton has measured all nebulae in plate and changed 3207

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1932phae.proj.2338M

H 14239 R.A. 20 24 Dec. -72.7 λ 289 β -34 Exp. 60m

This plate - excellent - used in reexamination of H 4749. Nebulae transferred to latter.

Old nebulae - see H 4749

New nebulae - 110-207 by S. Sh.

Examined Dec. 11, 1930 by S. I. M.

Magnitudes of nebulae BR: C': 139 m.m.s.

H 14323 R.A. 1 10 Dec. -22.5 λ 141 β -89 Exp. 180m

Old nebulae - ~~none~~ INGC 62 nos.

New nebulae - 597 678

Examined dec. 8, 1930 by M.E.M.

Magnitudes BR: H': 3 '37 C.D.B.

H 14208 R.A. 18 28 Dec. -72.8 λ 290 β -24 Exp. 180m

Old nebulae - see H 4599 } this plate used in reexamination of H 4599

New nebulae - 43

Examined dec. 12, 1930 by S. I. M.

Magnitudes of nebulae BR B': 71 m.m.s.

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1932phae.proj.-2338M

H. 14331 R. A. 1 30 Dec. -22.5 λ 156 β -77° Exp. 180m
Old nebulae - ~~none~~ 10 NGC,
New nebulae - ~~490~~ 453
Examined Dec. 13, 1930 by M.E.M.
Magnitudes

Cf. P. 111 for
H 14733

H. 14316 R. A. 2 00 Dec. -40.0 λ 223 β -69° Exp. 180m
Old nebulae - ~~none~~ 4 NGC
New nebulae - ~~233~~ 305
Examined Dec. 16, 1930 by M.E.M.
Magnitudes H, 53 1937 COB

over for
Dec. 19, 20, 1930

H 14232 R. A. 0 21 Dec. -69.4 λ 279 β -55 Exp. 19m
Old nebulae - Transferred from H 660 4
New nebulae - 94
Examined Dec. 24, 1930 by A. F. M.

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1932phae.proj.233M

Survey of A plates for new spirals

A12373 $13^h\ 21^m$ $-46.^\circ8$, $277.^\circ5$ 8 spirals. one or two are probably spindles, and 2 are in N.G.C.

H3 15FM

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http://dx.doi.org/10.26033/28cd-8f05

H 14871 R.F. o o Dec. -30 λ 344 β -01 Exp. 180
Old nebulae - none 2 N G C, 1 I C, 7 Helvan
New nebulae - 369 537
Examined Dec. 20, 1930 by S.I.M.

H 14860 R.F. o o Dec. -25 λ 17 β -80 Exp. 180
Old nebulae - none 4 N.G.C. 4 Hel
New nebulae - 524 658
Examined Dec. 19, 1930 by S.I.M.

Magnitudes of nebulae in cluster Bk G. p. 55 - M.E.M.

H 14866 R.F. o 20 Dec. -25 λ 30 β -80 Exp. 180
Old nebulae - none
New nebulae - 421
Examined Dec. 20, 1930 by S.I.M.

Magnitudes of nebulae in cluster, Bk. G. p. 58 - M.E.M.

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1932phae.proj.233M

H 14322 R.A. 5 30 Dec. −22.5 λ 193 β −25° Eqp. 1850
Old nebulae – none (in 9° – 3 NGC, 3 IC.)
New nebulae – 260 (plus 64 added in 9 central°)
Examined Dec. 29, 1930 – M.E.M.
Re-examined; July, 1938 – IG, FWH – 9 central degrees only

H 14213 R.A. 23 03 Dec. −67.6 λ 284 β −48 Eqp. 1900
Old nebulae – All transferred from H 46 15°
Overlapping neb. transferred from H 6604
New nebulae – 224
Examined Dec. 29, 1930 by S.I.B.H.

Magnitudes of nebulae Bkr. BD': 37, m. m. S.

H 14327 R.A. 4 50 Dec. −27.5 λ 196 β −36° Eqp. 1850
Old nebulae – none
New nebulae – 514
Examined Dec. 29, 1930 by M.E.M.

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1932phae.proj.2338M

H 14308 R.A. 20 23 Dec. -57.8 λ 308 β -37 Exp. 180
Old nebulae - all transferred from H 6770
New nebulae - 411
Examined Dec. 30, 1930 by S.T.M.

Magnitudes of nebulae in clusters Bk. G. p. 43 - M.E.M.

H 14365 R.A. 2 50 Dec. -62.5 λ 248 β -50 Exp. 180m
Old nebulae - all transferred from H 6576
New nebulae - 758
Examined Jan. 7, 1931 by S.T.M.

Magnitudes of nebulae Bk. W: 136

Magnitudes of nebulae in cluster Bk G. p. 12 - M.E.M.

H 14370 R.A. 8 00 dec. -25.0 λ 211 β +5
Old nebulae - none
New nebulae - 33
Examined Jan. 8, 1931 by M.E.M.

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1932phae.proj.2338M

H 1422 R.A. 18 54 Dec. -62.7 λ 301 β -27 Exp. 1P9
Old nebulae - see H 5546 & 5548
New nebulae - 413
Examined Jan. 12, 1931 by S.I.M.
Re-examined May 12, 1936 by M.M.S.

Magnitudes of nebulae by M.M.S.

Magnitudes of nebulae in cluster Bk. G. p. 122 - M.E.M.

H 1836 R.A. 18 25 Dec. +47.2 λ 70 β +6.9 Exp. 1P0
Old nebulae - Messier 6
New nebulae - 25
Examined Jan. 16, 1931 by S.I.M.

H 14P96 R.A. 21 33 Dec. -52.5 λ 312 β -4P Exp. 1P0
Old nebulae - all transferred from H 7497
New nebulae - 126
Examined Jan. 19, 1931 by S.I.M.

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1932phae.proj--2330M

H 14408 R.A. 21 13 Dec. -52.5 λ 313 β -45 Exp. 180
Old nebulae - all transferred from H 7377
New nebulae - 90
Examined Jan. 20, 1931 - S. I. M.

H 14395 R.A. 2 30 Dec. -75 λ 252 β -48 Exp. 180m
Old nebulae - none
New nebulae - 264
Examined Feb. 5, 1931 by M.E.M.

Magnitudes of nebulae BK. W:61 M. M. S.

H 14431 R.A. 9 0 Dec. -25.0 λ 220 β +15 Exp. 215m
Old nebulae none
New nebulae - 153
Examined Feb. 5, 1931 - S. I. M.

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1932phae.proj.233M

H. 14394 R.A. 0 0 Dec. −90.0 λ 273 β −29 Exp. 240m
Old nebulae – none
New nebulae – 30
Examined Feb. 6, 1931 by S.F.M. and M.E.M.

H. 14319 R.A. 8 30 Dec. −22.5 λ 214 β +11 Exp. 240m
Old nebulae – none
New nebulae – 32
Examined Feb. 6, 1931 by M.E.M.

Examined instead of H. 14391 R.A. 5 32 Dec. −2.5 λ 173 β −16 Exp. 120m
H 14527 as the latter is poor + full of defects.
M.E.M.
Old nebulae – none
New nebulae – 24
Examined Feb 7, 1931 by M.E.M.

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1932phae.proj.2338M

H. 14538 R.A. 12 0 Dec. −25.0 λ 258 β +36
Old nebulae - none
New nebulae - 326
Examined by A.A. + on Feb. 10, 1931 by M.E.M.

Magnitudes of nebulae Bk H, p. 181 - M.E.M.

H 14555 R.A. 6 30 Dec. −22.5 λ 199 β −12.5 Eff. 180″
Old Nebulae - none
New nebulae - 100
Examined Feb. 17, 1931 by M.E.M.

H 14564 R.A. 6 20 Dec. −25.0 λ β Eff 200″
Old nebulae - none
New nebulae - 327
Examined Feb. 18, 1931 by M.E.M.

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1932phae.proj.2338M

H 14578 R.A. 6 00 Dec. -25.0 λ 198 β -19 Exp. 180m
Old nebulae - none
New nebulae - 507
Examined FEB. 21, 1931 by M.E.M.

H 14588 R.A. 6 00 Dec. -35.0 λ 209 β -23 Exp. 180m
Old nebulae - Stewart 2 - 1 IC
New nebulae - 599 (plus 36 in central 9°)
Examined FEB. 24, 1931 by M.E.M.
Re-examined, July, 1938, IG + FWW - only central 9°

7 14580 R.A. 6 0 Dec. -30 λ 314 β +15 Exp. 180
Old nebulae - none
New nebulae - 373
doubtful a-f
Examined Feb. 27, 1931 by S.L.M.

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1932phae.proj.2338M

H 14626 R.A. 7 20 Dec. -72° λ 252 β -19 Exp. 180
Old nebulae - none.
New nebulae - 43
Examined Feb. 28, 1931 by A.F.M.

H 14621 R.A. 7 20 Dec -25.0 λ 215 β -9 Exp. 180m
Old nebulae - none
New nebulae - 31
Examined Feb. 28, 1931 by M.E.M.

H 14627 R.A. 12 20 Dec. -25.0 λ 264 β +37 Exp. 180m
Old nebulae - none
New nebulae - 127
Examined by A.A., and on March 3, 1931 by M.E.M.

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1932phae.proj.233M

H 14630 R.A. 12 00 Dec. -30.0 λ 259 β +31 Eff 185

Old nebulae - none

New nebulae - 372

Examined by H.M., and on March 7, 1931 by M.E.M.

H 14636 R.A. 7 20 Dec. - 30.0 λ 210 β -5.5° Eff. 180m

Old nebulae - none

New nebulae - 90

Examined March 13, 1931 by M.E.M.

H 14640 R.A. 7 20 Dec. -35.0 λ 215 β -8 Eff. 180m

Old nebulae - none

New nebulae - 54

Examined March 14, 1931 by M.E.M.

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1932phae.proj.2338M

H 14733 R.A. 12 40 Dec. -30.0 λ 270 β +31 Eff 180m

Cf. P. 99

Old nebulae - none

New nebulae - 167

Examined by H.H., and on Dec. 15 1930 by S.F.M.

H 14645 R.A. 13 00 Dec -25.0 λ 276 β +36.5° Eff. 180m

Old nebulae - none

New nebulae - 360

Examined March 20, 1931 by M.E.M.

H 14647 R.A. 8 00 Dec. - 30.0 λ 215 β +2° Eff 180m

Old nebulae - none

New nebulae - 60 (many doubtful)

Examined March 21, 1931 by M.E.M.

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1932phae.proj.233M

H 14694 R.A. 11 20 dec. −40 λ 253 β +20° 180m Exp.
Old nebulae - none
New nebulae - 91
Examined May 16, 1931 by M.E.M.

H 14696 R.A. 17 00 dec. −25 λ 325 β +8° Exp. 180m
Old nebulae - none
New nebulae - 2
Examined May 18, 1931 by M.E.M.

H 14701 R.A. 17 00 dec. −30 λ 322 β +5.5 Exp. 180m
Old nebulae - none
New nebulae - 3
Examined May 20, 1931 by M.E.M.

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1932phae.proj.233M

H 14709 R.A. 19 00 Dec. -25 λ 339 β -16 Exp. 180m
Old nebulae – none
New nebulae – 7
Examined May 21, 1931 by M.E.M.

H 14710 R.A. 13 20 Dec. -22.5 λ 270 β +39 Exp. 199m
Old nebulae – none
New nebulae – 240
Examined May 23, 1931 by M.E.M. + A.A.

H 14711 R.A. 13 40 Dec. -25.0 λ 288 β +35.5 Exp. 180m
Old nebulae – Merrgl 4 m H 3164
New nebulae – 204
Examined May 27, 1931 by M.E.M., and A.A.

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1932phae.proj.2338M

H 14712 R.A. 14 30 Dec -22.5 λ 345 β -21 Eff. 265
Old nebulae – none
New nebulae – 20
Examined May 28, 1931 by M.E.M.

H 14715 R.A. 13 00 Dec. -30.0 λ 275 β +31 Eff. 180
Old nebulae – none
New nebulae – 526
Examined May 28, 1931 by M.E.M.; and A.A.

H 14716 R.A. 13 20 Dec. -25.0 λ 281 β +36 Eff. 210m
Old nebulae – none
New nebulae – 210
Examined June 2, 1931 by M.E.M.

Magnitudes of nebulae in cluster Bk. C. p. 48 – M.E.M.

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1932phae.proj.233M

H 14718 R.A. 12 30 Dec. -22.5 λ 267 β +39 Exp. 195m

Old nebulae - none

New nebulae - 733

Examined June 4, 1931 by M.E.M.

H 14720 R.A. 10 20 Dec. -25.0 λ 235 β +27.5 Exp. 220m

Old nebulae - none

New nebulae - 416

Examined June 15, 1931 by M.E.M.

Magnitudes of nebulae Bk. G. p. 50 - M.E.M.

H 14722 R.A. 11 30 Dec. -22.5 λ 250 β +33 Exp. 180m

Old nebulae - none

New nebulae - 410

Examined June 16, 1931 by M.E.M.

Magnitudes of nebulae Bk. L, p. 140

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1932phae.proj.2338M

H 14724 R.A. 17 50 dec. -27.5 λ 331 β -2 Exp. 210m
Old nebulae – none
New nebulae – 25
Examined June 18, 1931 by M.E.M.

H 14727 R.A. 18 20 dec. -25.0 λ 236 β -8 Exp. 180m
Old nebulae – none
New nebulae – 9
Examined June 18, 1931 by M.E.M.

H 14729 R.A. 12 30 dec. -27.5 λ 268 β +35 Exp. 180m
Old nebulae – none
New nebulae – 91
Examined June 22, 1931 by M.E.M.

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1932phae.proj.2338M

H 14731 R.A. 19 20 Dec. −25.0 λ 341 β −19 Eff. 180m
Old nebulae – none
New nebulae – 33
Examined June 22, 1931 by M.E.M.

H 14744 R.A. 13 10 Dec. −22.5 λ 280 β +38 Eff. 180m
Old nebulae – none
New nebulae – 1011
Examined July 10, 1931 by M.E.M.

H 14759 R.A. 19 00 dec. −30.0 λ 335 β −17 Eff. 180m
Old nebulae – Mengel: one on H 6134
New nebulae – 87
Examined July 13, 1931 by M.E.M.

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1932phae.proj.2338M

H 14797 R.A. 14 10 Dec -27.5 λ 293 β +30 Exp. 180m
Old nebulae - none
New nebulae - 425
Examined July 21, 1931 by M.E.M.

Magnitudes of nebulae in cluster Bk. G. p. 52 - M.E.M.

H 14807 R.A. 14 00 Dec. -25.0 λ 292 β +34 Exp. 180m
Old nebulae - none
New nebulae - 521
Examined July 23, 1931 by M.E.M.

H 14859 R.A. 21 00 Dec. -25.0 λ 350 β -42 Exp 180m
Old nebulae - none
New nebulae - 595
Examined July 24, 1931 by M.E.M.

Magnitudes of nebulae Bk K, p. 201 - M.E.M.

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1932phae.proj.2338M

H 1.4892 R.A. 1 00 dec. -25.0 λ 149 β -87 Eff. 180m

Old nebulae - none

New nebulae — A poor plate, full of defects. Nebulae cannot be classed without a long exposure plate on same region.

Examined July 27, 1931 by M.E.M.

H 14881 R.A. 19 40 dec. -30.0 λ 338 β -36 Eff. 180m

Old nebulae - none

New nebulae - 113

Examined July 28, 1931 by M.E.M.

H 14894 R.A. 20 00 dec. -30.0 λ 339 β -30 Eff 180m

Old nebulae - none

New nebulae - 146

Examined July 28, 1931 by M.E.M.

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1932phae.proj.233M

A 14947 R.A. 22 00 Dec. -25.0 λ 355 β -55 Exp. 180m
Old nebulae - none
New nebulae - 145
Examined July 29, 1931 by M.E.M.

A 14907 R.A. 22 30 Dec. -27.5 λ 251 β -61 Exp. 180m
Old nebulae - ~~none~~ 10 N.G.C, 2 I.C (2?) 9 Melotte
New nebulae - ~~243~~ 465
Examined July 29, 1931 by M.E.M.
Partly reexamined C.P.B.

A 14944 R.A. 23 52 Dec. -22.5 λ 20 β -78 Exp. 180m
Old nebulae - ~~none~~ 2 N.G.C, (1 ?)
New nebulae - ~~242~~ 253
Examined July 30, 1931 by M.E.M.

Magnitudes of nebulae, Bd. K; p. 178; - M.E.M.

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1932phae.proj.2338M

H 14953 R.A. 3 00 Dec. -30.0 λ 192 β -59.5 Exp. 180m
Old nebulae - none
New nebulae - 211
Examined July 30, 1931 by M.E.M.

H 14949 R.A. 3 20 Dec. -25.0 λ 185 β -55 Exp. 180m
Old nebulae - none
New nebulae - 251
Examined July 31, 1931 by M.E.M.

H 14956 R.A. 3 20 Dec. -30.0 λ 193 β -55 Exp 190m
Old nebulae - none
New nebulae - 237
Examined July 31, 1931 by M.E.M.

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1932phae.proj.2338M

H 14963 R.A. 3 20 Dec. -35 λ 202 β -56 Exp. 180m
Old nebulae - none
New nebulae - 163
Examined Aug. 3, 1931 by M.E.M.

H 14967 R.A. 3 30 Dec. -27.5 λ 189 β -52 Exp. 180m
Old nebulae - none
New nebulae - 149
Examined Aug. 3, 1931 by M.E.M.

H 14976 R.A. 5 10 Dec. -22.5 λ 191 β -29 Exp. 180m
Old nebulae - none
New nebulae - 211 (plus 38 in central 9°)
Examined Aug. 4, 1931 by M.E.M.
Re-examined July 12, 1938 IG, FWW - only central 9°

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1932phae.proj.2338M

H 14954 R.A. 22 20 dec. -25.0 λ 357 β -58 Exp. 180m
Old nebulae - ~~none~~
New nebulae - 276
Examined Aug. 5, 1931 by M.E.M.

H 14961 R.A. 22 30 dec. - 32.5 λ 342 β -62 Exp. 180m
Old nebulae - ~~none~~ 5 NGC 1 IC no
New nebulae - ~~195~~ 198
Examined Aug. 5, 1931 by M.E.M.

H 14809 R.A. 22 30 dec. -22.5 λ 2 β -60 Exp. 180m
Old nebulae - ~~none~~ 13 NGC, 1 IC, 2 Nel.
New nebulae - ~~235~~ 470
Examined Aug. 6, 1931 by M.E.M.

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1932phae.proj.2338M

H 14337 R.A. 22 52 dec. -62.5 λ 290 β -52 Exp. 180m
Old nebulae – Mengel on H 6810, 7427, 7499
New nebulae – 351
Examined Aug. 14, 1931 by M.E.M.

H 14207 R.A. 1 02 dec. -72.9 λ 267 β -45 Exp. 180m
Old nebulae – none
New nebulae – 58
Examined Aug. 18, 1931 by M.E.M.

H 15033 R.A. 3 10 dec. -37.5 λ 206 β -57 Exp 180
Old nebulae – ~~none~~ 8 NGC, 1 IC, 15 Melvan
New nebulae – ~~404~~ 557
Examined Aug. 19, 1931 by M.E.M.
Rexamined 1937 CDB

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1932phae.proj.2388M

A14269 R.A. 3 32 Dec. -53.4 λ 251 β -43 Exp. 180m

Old nebulae - none

New nebulae - 1779 (+413 from A3339, 3346, 4179 = 2192 total)

Examined Oct. 2, 1931 by M.E.M.

Comparison stars - M.E.M.

Positions, Book 11, 134 - M.E.M. & S.F.H.

Magnitudes, Bk. H, p. 4 - Jan. 20, 1933 - S.F.H.

A14989 R.A. 4 50 Dec. -22.5 λ 190 β -34 Exp. 180m

Old nebulae - none

New nebulae - 1573

doubtful a - n

Examined Oct. 22, 1931 - S.F.H.

A14272 R.A. 3 12 Dec. -52.5 λ 230 β -52 Exp. 180m

Old nebulae - none

New nebulae - 1006

Examined Oct. 23, 1931 by M.E.M.

Positions, Book 10, p. 140, M.E.M. & S.F.H.

Magnitudes, Bk. C, p. 131 - S.F.H.

Mags. of cluster Bk. b, p. 67 - M.E.M.

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1932phae.proj.233M

H 15-015 R.A. 17. 5 30 Dec. -27.5 λ 198 β -27 Exp. 180
Old nebulae - none
New nebulae - 92
doubtful, a - ai
Examined Oct. 26, 1931 by S. I. H.

H 14280 R.A. 3 32 Dec. -47.5 λ 222 β -52 Exp. 180 m
Old nebulae - none
New nebulae - 509
Examined Nov. 9, 1931 by M.E.M.
Comparison stars - M.E.M.
Positions, Bk. 11, p. 62 - M.E.M. + S.I.H.
Magnitudes determined - S.I.H.

H 14845 R.A. 16 21 Dec. -72.5 λ 287 β -16 Exp. 180 m.
Old nebulae - none
New nebulae - 35
Examined Nov. 23, 1931 by M.E.M.

Magnitudes of nebulae Bk. C': 117 m.m. S

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1932phae.proj.2338M

H 14802 R.A. 17 10 Dec. -27.5 λ 322 β +9 Eff. 180
Old nebulae – none
New nebulae – 2
Examined Nov. 30, 1931 by M.E.M.

H 14037 R.A. 17 57 Dec. -23.0 λ 334 β -1 Eff 240m
Old nebulae – none
New nebulae – 7
Examined Dec. 11, 1931 by M.E.M.

H 14184 R.A. 18 01 Dec. -77.5 λ 285 β -25 Eff. 180m
Old nebulae – none
New nebulae – 253
Examined Dec. 31, 1931 by M.E.M.

Magnitudes of nebulae in cluster Bls. G. p. 104 – M.E.M.

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1932phae.proj.2338M

A 14874 R.A. 18 52 dec. -57.6 λ 306 β -25 Exp. 180

Old nebulae – none

New nebulae – 50

Examined Jan. 2, 1932 by M.E.M.

A 14951 R.A. 18 53 dec. -37.4 λ 328 β -18 Exp. 180m

Old nebulae – none

New nebulae – 30

Examined Jan. 8, 1932 by M.E.M.

A. 14250 R.A. 19 25 dec. -62.4 λ 301 β -30 Exp. 180m

Old nebulae - none

New nebulae - 108

Examined Jan. 22, 1932 by M.E.M.

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1932phec.proj..233M

H 14753 R. A. 19 40 Dec. −25.0 λ 343 β −26 Eff 180m
Old nebulae – none
New nebulae – 26
Examined Jan. 22, 1932 by M.E.M.

H 15472 R. A. 15 30 Dec. −27.5 λ 310 β +21 Eff. 188m
Old nebulae – none
New nebulae – 43
Examined Jan. 26, 1932 by M.E.M.

H 15373 R. A. 15 51 Dec. −57.5 λ 294 β −4 Eff 180m
Old nebulae – none
New nebulae – 13
Examined Jan. 29, 1932 by M.E.M.

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1932phae.proj.2330M

H 15337 R.A. 17 12 Dec. -32.3 λ 321 β +2 Exp. 245m
Old nebulae - none
New nebulae - 17 (a very poor plate, + as there is no check plate, the objects are all doubtful)
Examined Jan 30, 1932 by M.E.M.

H 14862 R.A. 17 15 Dec. -77.6 λ 283 β -22.5 Exp. 180m
Old nebulae - none
New nebulae - 34
Examined Jan. 30, 1932 by M.E.M.

Magnitudes of nebulae BK B' : 59 m. m. s.

H. 14965 R.A. 18 53 Dec. -27.5 λ 338 β -15 Exp. 180m
Old nebulae - none
New nebulae - 66
Examined Feb. 1, 1932 by M.E.M.

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1932phae.proj.2338M

H 14240 R.A. 18 35 Dec. -29.5 λ 333 β -12 Eff. 180m
Old nebulae - none
New nebulae - 34
Examined Feb. 1, 1932 by M.E.M.

H. 14920 R.A. 19 12 dec. -27.5 λ 338 β -18 Eff. 180m
Old nebulae - none
New nebulae - 121
Examined Feb. 3, 1932 by M.E.M.

H. 14880 R.A. 19 10 dec. -22.5 λ 343 β -17 Eff. 180m
Old nebulae - none
New nebulae - 132
Examined Feb. 5, 1932 by M.E.M.

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1932phae.proj.2338M

H. 14890 R.A. 19 52 Dec. -47.4 λ 320 β -32 Exp. 180m
Old nebulae – (Bailey 122 on H 7447)
New nebulae – 140
Examined Feb. 10, 1932 by M.E.M.

H 14229 R.A. 20 00 Dec. -60.0 λ 305 β -34 Exp 182m
Old nebulae – none
New nebulae – 279
Examined Feb. 15, 1932 by M.E.M.

Magnitudes of nebulae Bk. C': 129 m.m.s.

H 14883 R.A. 20 12 Dec. -52.4 λ 314 β -35 Exp 180m
Old nebulae – (Bailey 206 on H 7451)
New nebulae – 324
Examined March 14, 1932 by M.E.M.

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1932phae.proj.2338M

H 14870 R.A. 20 30 Dec. -22.5 λ 351 β -34 Exp. 180m
Old nebulae - none
New nebulae - 177
Examined March 16, 1932 by M.E.M.

H 14942 R.A. 21 30 Dec. -55.0 λ 309 β -46 Exp. 180m
Old nebulae - none
New nebulae - 29 (Only central strip searched, as this plate is covered by H 9068, 7498, 14908, 14896)
Examined March 16, 1932 by M.E.M.

H 14268 R.A. 23 22 Dec. -62.5 λ 285 β -53 Exp 180m
Old nebulae - none
New nebulae - 272
Examined April 6, 1932 by M.E.M.

Magnitudes of nebulae Bk D': 5 m. m. S.

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1932phae.proj.2338M

H14533 R.A. 9 10 dec -22.5 λ 220 β +18 Exp. 180m
Old nebulae - none
New nebulae - 105
Examined April 7, 1932 by M.E.M.

H14994 R.A. 5 00 Dec. -25.0 λ 193 β -32 Exp. 180m
Old nebulae - none
New nebulae - 244
Examined April 8, 1932 by M.E.M.

H14992 R.A. 0 00 Dec. - 35.0 λ 321 β -79 Exp. 180m
Old nebulae - ~~none~~ 3 NGC, 2 IC (1?) 1 Hd
New nebulae - 1041 1037
Examined April 9, 1932 by M.E.M. & S.F.M.

Magnitudes of nebulae, Rk. K, p. 124 - M.E.M.

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1932phae.proj.2338M

A 15182 R.A. 9 25 dec. -57.5 λ 245 β -5 Exp. 180m
Old nebulae - none
New nebulae - 42
Examined April 9, 1932 by M.E.M.

A 14705 R.A. 17 00 dec. -35.0 λ 318 β +2 Exp. 180m
Old nebulae - none
New nebulae - 23
Examined April 9, 1932 by M.E.M.

A 15181 R.A. 9 40 dec. -25.0 λ 227 β +21 Exp. 180m
Old nebulae - none
New nebulae - 241
Examined April 11, 1932 by M.E.M.

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1932phae.proj.2338M

H 15160 R.A. 10 15 dec. -46.0 λ 245 β +10 Eff. 180m
Old nebulae - none
New nebulae -
Examined April 11, 1932 by M.E.M.

H 15376 R.A. 14 20 Dec. -30.0 λ 295 β +27 Eff. 180m
Old nebulae - none 2 N.G.C, 1 I.C 9□°
New nebulae - 391 +27 9□°
Examined April 13, 1932 by M.E.M.
Reexamined F W M July 1938 9□° only

Magnitudes of nebulae in cluster Bk. G. p. 74 - M.E.M.

H 15463 R.A. 15 10 Dec. -27.5 λ 307 β +24 Eff 180m
Old nebulae - none
New nebulae - 66
Examined April 13, 1932 by M.E.M.

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1932phae.proj.2338M

H 15368 R.A. 15 41 dec. -72.5 λ 283 β -15 Eff. 180m
Old nebulae - none
New nebulae - 20±
Examined April 14, 1932 by M.E.M.

H 15399 R.A. 19 20 dec. -30.0 λ 337 β -22 Eff. 180m
Old nebulae - none
New nebulae - 53
Examined April 14, 1932 by M.E.M.

H 15387 R.A. 20 00 dec. -55.0 λ 310 β -34 Eff. 180m
Old nebulae - none
New nebulae - 260
Examined April 20, 1932 by M.E.M.

Magnitudes of nebulae in cluster - Bk G. p. 71 - M.E.M.

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1932phae.proj.2338M

A 15392 R.A. 20 05 Dec. -48.0 λ 320 β -35 Eff. 180m
Old nebulae - none
New nebulae - 34
Examined April 20, 1932, by M.E.M.

A 15425 R.A. 20 10 Dec. -22.5 λ 348 β -30 Eff. 180m
Old nebulae - ~~none~~ published nebs. not studied
New nebulae - 131 +17
Examined April 21, 1932 by M.E.M.
Re-examined July 1934 F.W.W.

A 15798 R.A. 20 47.4 Dec. +30.9 λ 41 β -9 Eff. 180
Old nebulae - none
New nebulae - 16
Examined April 21, 1932 by M.E.M.

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1932phae.proj.2330M

H 1547 J R.A. 21 30 dec. -22.5 λ 355 β -48 Eff. 180
Old nebulae - none
New nebulae - 224
Examined April 22, 1932 by M.E.M.

Magnitudes of nebulae in cluster, Bk. G. p. 61 - M.E.M.
Magnitudes of nebulae Bk. K. p. 86 - M.E.M.

H 1544 3 R.A. 22 00 dec. -70.0 λ 288 β -42 Eff. 180m
Old nebulae - none
New nebulae - 46
Examined April 25, 1932 by M.E.M.

H 1566 8 R.A. 16 20 dec. +17.5 λ 8 β +41 Eff. 180m
Old nebulae - none
New nebulae - 78
Examined April 26, 1932 by M.E.M.

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1932phae.proj.2338M

H 15681 R.A. 19 50 Dec. -27.5 λ 341 β -27 Exp. 180m
All nebulae - none
New nebulae - 13
Examined April 26, 1932 by M.L.M.

H 15487 R.A. 21 30 Dec. -27.5 λ 350 β -48 Exp. 185m
All nebulae - none
New nebulae - 13
Examined April 27, 1932 by M.L.M.

H 15802 R.A. 0 00 Dec. ±0.0 λ 69 β -61 Exp. 180m
All nebulae - ~~none~~ 4 NGC, 5 IC, 52 N.N.
New nebulae - 658623
Examined April 28, 1932 by M.L.M.

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1932phae.proj.2338M

H 15803 R.A. 0 40 Dec. -10.0 λ 73 β -72 Exp. 180m
Old nebulae - ~~none~~ 24 NGC (2 ma) 6 IC (2 ma)
2 Hel, (2 Lick
1 Heidelberg
New nebulae - ~~652~~ 639
Examined April 29, 1932 by M.E.M.

Magnitudes of nebulae in cluster Bk. G p. 63 - M.E.M.

H 15814 R.A. 2 00 dec. ± 0.0 λ 128 β -56 Exp 180m
Old nebulae - ~~none~~ 7 NGC (+3 ma), 17 IC, 6 Mt Wilson
New nebulae - ~~785~~ 779
Examined April 30, 1932, by M.E.M.

Magnitudes of nebulae in cluster Bk. N, p. 83 - M.E.M.

H 15817 R.A. 2 00 dec. -10.0 λ 140 β -64 Exp. 180m
Old nebulae - ~~none~~ 25 NGC (1 ma) 7 IC 6 Helwan
(1 Hel = 1 Mt Wilson)
New nebulae - ~~763~~ 756
Examined April 30, 1932 by M.E.M.

Magnitudes of nebulae Bk. S, p. 128 - M.E.M.

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1932phae.proj.2338M

H 15800 R.A. 4 40 dec. -10.0 λ 175 β -31 Exp. 180m
Old nebulae - none
New nebulae - 604
Examined May 2, 1932 by M.E.M.

H 15804 R.A. 4 50 dec. -5.0 λ 168 β -31 Exp. 180m
Old nebulae - none (5 NGC, 6 IC, 1 Hel -9°)
New nebulae - 720 (minus 36 in central 9°)
Examined May 3, 1932 by M.E.M.
Reexamined July, 1938. IG, FWW, only central 9°

H 15791 R.A. 4 30 dec. -5.0 λ 168 β -31 Exp. 180m
Old nebulae - none
New nebulae - 487
Examined May 4, 1932 by M.E.M.

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1932phae.proj.2338M

H 13840 R.A. 4 20 dec. -15.0 λ 177 β -37 Eff. 180m
Old nebulae - none
New nebulae - 606
Examined May 5, 1932 by M.E.M.

Magnitudes of nebulae, Bk. S, p. 23

H 13830 R.A. 3 20 dec. ± 0.0 λ 150 β -43 Eff. 180m
Old nebulae - none
New nebulae - 420
Examined May 7, 1932 by M.E.M.

Magnitudes of nebulae, Bk K, p. 186 - M.E.M.

H 13837 R.A. 3 20 dec. -10.0 λ 162 β -48 Eff. 200m
Old nebulae - none
New nebulae - 129 { Poor plate. Images only slightly brighter than on H 14495, a 40m exposure.
Examined May 9, 1932 by M.E.M.

Magnitudes of nebulae, Bk. P, p. 126

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1932phae.proj.2338M

A 15825 R.A. 3 40 dec. -35.0 λ 202 β -52 Exp. 200m
Old nebulae - none
New nebulae - 996
Examined May 10, 1932 by M.E.M.
Reexamined

A 15821 R.A. 7 20 dec. -10.0 λ 193 β +4 Exp. 210m
Old nebulae - none
New nebulae - 34
Examined May 10, 1932 by M.E.M.

A 15794 R.A. 20 40 dec. ± 0.0 λ 15 β -26 Exp. 180m
Old nebulae - none
New nebulae - 208
Examined May 11, 1932 by M.E.M.

Magnitudes of nebulae in cluster Bk G. p 60 - M.E.M.

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1932phae..proj..233M

H 15788 R.A. 20 40 dec. −10.0 λ 5 β −31 Eff. 180m
Old nebulae - none
New nebulae - 278
Examined May 11, 1932 by M.E.M.

Magnitudes of nebulae, Bk. P, p. 206 - M.E.M.

H 15780 R.A. 22 40 dec. ± 0.0 λ 39 β −49 Eff. 180m
Old nebulae - none
New nebulae - 257
Examined May 12, 1932 by M.E.M.

H 15790 81 R.A. 23 20 dec. ± 0 −10.0 λ 52 β −56 Eff. 180m
Old nebulae - ~~none~~ 20 N.G.C., (+6 n.a., 1 I.C., 6 I.C.: 1 N.G.C.)
New nebulae - ~~366~~ 357
Examined May 13, 1932 by M.E.M.

Magnitudes of nebulae Bks. M 13 R, p. 162

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1932phae.proj.233M

H 15790 R.A. 23 20 dec. -10.0 λ 40 β -63 Exp. 180m
Old nebulae - ~~none~~ 5 N.G.C, 1 I.C.
New nebulae - ~~338~~ 379
Examined May 13, 1932 by M.E.M.
Reexamined 1937 C.P.B.
Magnitudes of nebulae Book P, p160

H 15792 R.A. 23 40 dec. -5.0 λ 55 β -62 Exp. 180m
Old nebulae - ~~none~~ 9 N.G.C, 12 I.C, 52 H.N, 3 M.
New nebulae - ~~605~~ 454
Examined May 14, 1932 by M.E.M.

H 14164 R.A. 20 53 dec. -52.3 λ 312 β -42 Exp. 45m
Old nebulae - none
New nebulae - 426
Examined by A.A. and on May 16, 1932 by M.E.M.
Do not find positions as this is only a 45m exp.

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1932phae.proj.2328M

H.15243 R.A. 10 30 Dec. -7.5 λ 225 β +44 Exp. 180
Old nebulae - none
New nebulae - 1-73 H.H. in a preliminary search
74-411 S.I.M.
Examined July 14, 1932 by S.I.M.

H.15413 R.A. 10 48 Dec. - 7.5 λ 229 β +45 Exp. 180
Old nebulae - none
New nebulae - 845 693
Examined July 18, 1932 - S.I.M.
Preliminary search - H.H.
Recommend 1938 F.W.W.

Magnitudes of nebulae, Bk. S. p. 74 - M.E.M.

H.15431 R.A. 11 8 Dec. - 7.5 λ 255 β +48 Exp. 180
Old nebulae - none
New nebulae - 628 597
Examined July 19, 1932 - S.I.M.
Preliminary search - H.H.
Recommend 1938 F.W.W.

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1932phae.proj.233M

A 15439 R.A. 11 30 Dec. -7.5 λ 242 β +51 Exp. 180m
Old nebulae - none
New nebulae - 751 888
Examined July 19 1932 - S.T.M.
Preliminary search - H.A.
Reexamined 1938 F.W.W.

Magnitudes of nebulae, Bk. S. p. 102

A 15447 R.A. 11 50 Dec. -7.5 λ 249. β +52 Exp. 180m
Old nebulae - none
New nebulae - 5'25
Examined July 19 1932 - S.T.M.
Preliminary search - H.A.

H 15377 R.A. 11 30 Dec. +12.5 λ 220 β +68 Exp. 180m
N.G.C. 18, I.C. 110 (Wolf-Hubel list VII)
New nebulae - 736
Examined July 20, 1932 - S.T.M.
Preliminary search - H.A.

Magnitudes of nebulae, Bk. S, p. 44

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1932phee.proj.2208M

H 15445 R.A. 11 50 Dec. +2.5 λ 242 β +62 Exp. 180 min
Old nebulae - 107 N.G.C.; 4 I.C.
New nebulae - 305
Examined July 20, 1932 - S.F.M.
Preliminary search - H.H.

Magnitudes of nebulae, Bk P, p. 148 - M.E.M.

H 15251 R.A. 12 4 Dec. +2.7 λ 249 β +63 Exp. 180 min
Old nebulae - 16 N.G.C., 1 I.C.
New nebulae - 118
Examined July 20, 1932 - S.F.M.
Preliminary search - H.H.

H 15389 R.A. 12 7 Dec. +7.7 λ 250 β +68 Exp. 180 min
Old nebulae - 64 N.G.C., 31 I.C., 20 Pleiades
New nebulae - 604
Examined July 20 1932 - S.F.M.
Preliminary search - H.H.

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1932phae.proj.2338M

H 15454 R.A. 12 4 Dec. -22.0 λ 260 β +39 Eqp. 180m
Aldnebulae - N.G.C. 1
New nebulae - 254
Examined July 21, 1932 - S.T.H.
Preliminary search - H.H.

H 15254 R.A. 12 25 -2.0 λ 261 β +60 Eqp. 180m
Aldnebulae - 13 N.G.C., 3 I.C.
New nebulae - 264
Examined July 21, 1932 - S.T.H.
Preliminary search - H.H.

H 15289 R.A. 12 42 Dec. -2.2 λ 272 β +59 Eqp. 180m
Aldnebulae - 20 N.G.C., 5 I.C.
New nebulae - 216
Examined July 22, 1932 - S.T.H.
Preliminary search - H.H.

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1932phae.proj.2338M

A15295 R.A. 13 0 Dec. -2.2 λ 280 β +54 Exp. 180m
Old nebulae - 12 N.G.C.; 4 I.C.
New nebulae - 253
Examined July 22 1932 - S.T.H.
Preliminary search - A.H.

A15854 R.A. 1 20 Dec. ±0.0 λ 111 β -61 Exp. 180m
Old nebulae - I.C. 224; N.G.C 382
New nebulae - ~~1339~~ 1262
Examined July 22, 1932 by M.E.M.

A15361 R.A. 12 27 Dec. +22.9 λ 233 β +83 Exp. 180m
Old nebulae - 5 N.G.C.; 32 I.C.
New nebulae - 136
Examined July 22, 1932 - S.T.H.
Preliminary search, A.H.

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1932phae.proj.2338M

No. Gal. Pole.

A 15449 R.A. 12 30 Dec. +27.5 λ β Exp. 180m
Old nebulae - N.G.C. ; I.C.
New nebulae - 482
Examined July 22, 1932 - S.T.M.

Magnitudes of nebulae, Bk. K., p. 42, - M.E.M.

A 15291 R.A. 12 29 Dec. -7.2 λ 265 β +55 Exp. 180m
Old nebulae - 22 N.G.C., 3 I.C.
New nebulae - 449 508
Preliminary search - A.H.
Examined July 25, 1932 - S.T.M.
Rexamined 1935 F.W.W.

A 15299 R.A. 12 59 Dec. -7.3 λ 278 β +54 Exp. 180m
Old nebulae - 26 N.G.C., 7 I.C.
New nebulae - 173
Examined July 25, 1932 - S.T.M.
Preliminary search - A.H.

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1932phae.proj.2338M

H 15521 R.A. 13 30 Dec. -7.5 λ 291 β +52 Exp. 180m

Old nebulae - 44 N.G.C.; 1 I.C.

New nebulae - 179

Examined ~~Aug.~~ July? 26, 1932 - S.F.H.

Preliminary examination - A.J.

H 15422 R.A. 14 7 Dec. -7.3 λ 305 β +48 Exp. 180m

Old nebulae - 13 N.G.C., 2 I.C.

New nebulae - 390 643

Examined ~~Aug.~~ July? 26 1932 - S.F.H.

Preliminary search - H.A.

Re-examined 1938 ~~643~~ F.W.W.

H 15367 R.A. 14 27 Dec. -7.3 λ 311 β +45 Exp. 180m

Old nebulae - 2 N.G.C.

New nebulae - 240 329

Examined July 26 1932 - S.F.H.

Preliminary search - H.A.

Re-examined 1938 F.W.W

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1932phae.proj.2338M

A 15884 R.A. 3 20 Dec. -40.0 λ 210 β -55 Exp. 180m

Old nebulae - 6 N.G.C.

New nebulae - 1343 (+130 from A 15033 + 4 from A 14963 = 1477 total)

Examined July 26, 1932 by MEM.

Magnitudes of nebulae in cluster Bk. G, p. 109 - MEM.

4 15360 R.A. 14 48 Dec. -7.5 λ 316 β +42 Exp. 180m

Old nebulae - N.G.C. 2; I.C. 2.

New nebulae - 97

Examined July 26, 1932 - S.F.H.

Preliminary search - H.H.

17 15370 R.A. 12 50 Dec. +12.5 λ 279 β +74 Exp. 180m

Old nebulae - 28 N.G.C.; 33 I.C.

New nebulae - 421

Examined July 27, 1932 - S.F.H.

Preliminary search - H.H.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1932phae.proj.2338M

H 15384 R.A. 13 7 Dec. +12.5 λ 296 β +72 Exp. 180m
Old nebulae - 10 N.G.C.; 3 I.C.
New nebulae - 414
Examined July 27 1932 - S. Gill.
Preliminary search - H.H.

H 15363 R.A. 12 47 Dec. +17.9 λ 282 β +79 Exp. 180m
Old nebulae - 7 N.G.C.; 41 I.C.
New nebulae - 246
Examined July 27, 1932 - S. Gill.
Preliminary search - H.H.

H 15305 R.A. 12 47 Dec. -17.2 λ 273 β +45 Exp. 180m
Old nebulae - 4 N.G.C.; 3 I.C.
New nebulae - 551
Examined July 27, 1932 - S. Gill.
Preliminary search - H.H.

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1932phae.proj.2338M

H 15357 R.A. 13 7 Dec. -17.2 λ 280 β +44 Exp. 180m
Old nebulae - 18 N.b.C., 1 I.C.
New nebulae - 153
Examined July 28 1932 - L.J.H.
Preliminary search - H.H.

H 15296 R.A. 13 38 Dec. -14.5 λ 291 β +45 Exp. 180m
Old nebulae - 17 N.b.C., 5 I.C.
New nebulae - 218
Examined July 28 1932 - L.J.H.
Preliminary search - H.A.

H 15280 R.A. 12 52 Dec. +2.5 λ 277 β +65 Exp. 180m
Old nebulae - 6 N.b.C., 1 I.C.
New nebulae - 284
Examined Feb. 1932 - H.A. (Entered July 28, 1932)

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1932phae.proj.2338M

N.C.

A 15842 R.A. 4 00 Dec. ± 0.0 l 158 β -34 Exp. 180m
Old nebulae - none 2 N.G.C.; 1 I.C.
New nebulae - 162
Examined July 28, 1932 by M.E.M.

H. 15359 R.A. 13 2f Dec. +2.8 l 298 β +62 Exp. 180m
Old nebulae - 14 N.G.C.; 4 I.C.
New nebulae - 229
Examined July 28, 1932 - A.F.C.M.
Preliminary search - H.H.

H 15941 R.A. 10 0 Dec. +20 l 164 β +52 Exp. 210m
Old nebulae - 12 N.G.C.; 2 I.C.
New nebulae - 252
Examined July 29, 1932 - A.F.C.M.

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1932phae.proj.2338M

H 15934 R.A. 10 0 Dec. ±0.0 λ 210 β +42 Exp. 220m
Oldnebulae - 12 N.G.C., 4 I.C.
Newnebulae - 106
Examined July 29, 1932 - A. F.M.

Magnitudes of nebulae, Bk. N. p. 117

H 15930 R.A. 10 0 Dec. -10 λ 219 β +36 Exp. 210m
Oldnebulae - 6 N.G.C., 1 I.C.
Newnebulae - 441
Examined July 30, 1932 - A.F.M.

Magnitudes of nebulae, Bk. K; p. 26 - M.E.M.

H 15874 R.A. 6 30 Dec. -47.5° λ 223 β -21 Exp. 180m
Oldnebulae - none 1 H
Newnebulae - 205 393 for 25° only
Examined Aug. 1, 1932 - A.F.M.
Recommended by CDB, 1938

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1932phae.proj.2338M

H 15852 R.A. 7 20 Dec. -47.5 λ 227 β-14 Exp. 200m
Old nebulae - 14 N.G.C.
New nebulae - 7?
Examined Aug. 1, 1932 - S.T.M.

H 15875 R.A. 9 10 Dec. +20 λ 178 β+42 Exp. 180m
Old nebulae - 27 N.G.C.; 5 I.C.
New nebulae - 38?
Examined Aug. 2, 1932 - S.T.M.

H 15848 R.A. 8 30 Dec. -47.5 λ 233 β-4 Exp. 210m
Old nebulae - none
New nebulae - 2 very doubtful
Examined Aug. 2, 1932 - S.T.M.

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1932phae.proj.233M

H 1585.2 R.A. 6 0 Dec. -10 λ 184 β -14 Exp. 180m
Old nebulae - 2 N.b.C.; 2 I.C.
New nebulae - 10 (some doubtful)
Examined Aug. 3, 1932 - S.T.M.

H 1586.2 R.A. 8 40 Dec. -10 λ 216 β +21 Exp. 180m
Old nebulae - none
New nebulae - 4Z+ +75 9m
Examined Aug. 3, 1932 - S.T.M.
Re-examined FWW July '38

H 1590.3 R.A. 11 50 Dec. -20 λ 255 β +41 Exp. 180m
Old nebulae - 9 N.b.C.; 1 I.C.
New nebulae - 373
Examined Aug. 4, 1932 - S.T.M.

Magnitudes of nebulae, Bk. 5, p. 4 - M.E.M.

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1932phae.proj.2338M

H15841 R.A. 8 40 Dec. 0.0 λ 195 β +26 Exp. 210m
Old nebulae - 8 N.G.C.; 2 I.C.
New nebulae - 313 + 2 9□
Examined Aug. 5, 1932 - S.F.M.
Re-examined FWW July '38 9□ only

H15897 R.A. 10 40 Dec. ± 0.0 λ 220 β +50 Exp. 180m
Old nebula - 2 N.G.C.; 8 I.C.
New nebulae - 531
Examined Aug 5, 1932 by S.F.M.

Magnitudes of nebulae, Blk. N, p. 43 - M.E.M.

A15943 R.A. 14 40 Dec. ± 0.0 λ 321 β +50 Exp. 205m
Old nebulae - 15 N.G.C.; 2 I.C.
New nebulae - 641
Examined Aug. 15, 1932 by M.E.M.

Magnitudes of nebulae, Blk. H, p. 192 - M.E.M.

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1932phae.proj.2338M

A 15867 R.A. 8 50 dec. −2.5 λ 199 β +26 Exp. 200m
Old nebulae − 12 N.G.C. ; 2 I.C.
New nebulae − 403 + 22 9D
Examined Aug. 16, 1932 by M.E.M.
Re-examined F.W.W. July '38 9D only

Magnitudes of nebulae, Bk. K, p. 70 − M.E.M.

A 15929 R.A. 9 20 dec. ± 0.0 λ 203 β +35 Exp. 180m
Old nebulae − 4 N.G.C. ; 3 I.C.
New nebulae − 422
Examined Aug. 17, 1932 by M.E.M.

Magnitudes of nebulae Bk. H, p 139 − M.E.M.

A 15940 R.A. 10 20 dec. −35.0 λ 241 β +19 Exp. 210m
Old nebulae − 15 N.G.C. ; 11 I.C.
New nebulae − 518
Examined Aug. 23, 1932 by M.E.M.

Magnitudes of nebulae in cluster Bk. G, p. 124 − M.E.M.

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1932phae.proj..2328M

A 15883 R.A. 10 30 Dec. -27.5 λ 238 β +26 Exp. 180m
Old nebulae - 12 N.G.C.; 5 I.C.
New nebulae - 563
Examined Aug 25, 1932 by M.E.M.

Magnitudes of nebulae in cluster Bk. G. p. 106 - M.E.M.

A 15844 R.A. 4 20 Dec. -55.0 λ 230 β -42.5 Exp. 180m
Old nebulae - 12 N.G.C.; 21 I.C.
New nebulae - 1014
Examined Aug. 26, 1932 by M.E.M.
Comps. stars - M.E.M.
Positions of nebulae, Bk. 10, p. 3, M.E.M. & S.A.M.
Magnitudes outside cluster, Bk. H, p. 44 - S.A.M.
Magnitudes of cluster - ~~Bk.~~ Bk. L, p. 97 - M.E.M.

A 15849 R.A. 4 20 Dec. -35.0 λ 203 β -43 Exp 180m
Old nebulae - 2 N.G.C.
New nebulae - 310
Examined Aug. 26, 1932 by M.E.M.

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1932phae.proj.233M

A15890 R.A. 3·50 dec. −20.0 λ 180 β −46 Exp. 180m
Old nebulae − 13 N.G.C.; 2 I.C.
New nebulae − 703
Examined Aug 27, 1932 by M.E.M.

A15870 R.A. 6 20 dec. −65.0 λ 242 β −27 Exp. 180m
Old nebulae − 20 N.G.C. (+6 glob. clusters)
New nebulae − 473
Examined Sept. 14, 1932 by M.E.M.

Magnitudes of nebulae in cluster Ble. G. p. 117, − M.E.M.

A15833 R.A. 3 40 dec. −25 λ 185 β −50 Exp. 185m
Old nebulae − 11 N.G.C.; 1 I.C.
New nebulae − 343
Examined Sept. 15, 1932 − M.E.M.

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1932phae.proj.2338M

15831 R.A. 3 40 dec. -17.5 λ 175 β -46 Exp. 180m
Old nebulae - 21 N.G.C.; 4 I.C.
New nebulae - 377
Examined Sept. 17, 1932 by M.E.M.

15035 R.A. 7 52 dec. -57.7 λ 238 β -14 Exp. 180m
Old nebulae - 1 I.C.; 2 neb. from A 4259
New nebulae - 17
Examined Sept. 19, 1932 by M.E.M.

14725 R.A. 10 50 Dec. -22.5 λ 239 β +32 Exp. 200m
Old nebulae - 117 N.G.C.
New nebulae - 249
Examined Sept. 24, 1932 - L.F.H.

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1932phae.proj.233M

H 14126 R.A. 14 12 Dec. +19.6 λ 342 β +60 Exp. 120m
Old nebulae - 4 H. 1. C.; 3 I. C.
New nebulae - 335
Examined Sept. 22, 1932 - S.J.M.

H 14363 R.A. 22 22 Dec. -57.5 λ 300 β -52 Exp. 170m
Old nebulae - see H 7500
New nebulae - 886
Examined Sept. 30, 1932 - S.J.M.

Magnitudes of nebulae, Bk. L, p. 76 - M.E.M.

H 15879 R.A. 4 11.9 Dec. -52.4 λ 228 β -44 Exp. 240m
Old nebulae - see H 15844
New nebulae - 1467
Examined Oct. 22, 1932 - S.J.M.

Magnitudes of nebulae, Bk. C, p. 171, Dec. 31, '32 - S.J.M.

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1932phae.proj.2338M

A14748 R.A. 19 30 Dec. -32.5 λ 335 β -24 Exp. 180m

Old nebulae - see A13.399 + 14FF1

New nebulae - 31

Examined Oct. 24, 1932 - S.T.M.

A14051 R.A. 12 10 Dec. +17.5 λ 234 β +78 Exp. 180m

Old nebulae H.S.C. + I.C.

New nebulae - ~~330~~ 669 (1243) + 574 additional - M.E.M.

Examined August, 1930 - A.A. (Entered Oct. 25, 1932)

Magnitudes of nebulae, Bk.L, p.12 - M.E.M.

A14086 R.A. 12 40 Dec. +7.5 λ 270 β +69 Exp. 180m

Old nebulae - 1 I.C. 3994 H.S.C. 21 Reinmuth

New nebulae - 506

Examined - A.A. (Entered Oct. 25, 1932)

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1932phae.proj.2338M

H 14707 R.A. 13 10 Dec. -14 λ 281 β +47 Exp. 180m
Old nebulae - 39 N.b.C., 7 I.C.
New nebulae - 479+
Examined Sept. 24, 1931 - H.H. (Entered Oct. 25, 1932)

H 14699 R.A. 12 20 Dec. +2.5 λ 258 β +64 Exp. 180m
Old nebulae - 18 N.b.C., 1 I.C.
New nebulae - 394
Examined Nov. 1930, H.H. (Entered Oct. 25, 1932)

H 14689 R.A. 12 50 Dec. -7.5 λ 275 β +54 Exp. 180m
Old nebulae - 48 N.b.C., 10 I.C.
New nebulae - 610
Examined - Oct. 1931. H.H. (Entered Oct. 25, 1932)
Examined 1934 F W.W

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1932phee.proj.2338M

17h4703 R.A. 12 46 Dec. -12.0 λ 275 β +49 Exp. 180m
Old nebulae - 444 N.G.C., 9 I.C.
New nebulae - 981
Examined Sept. 30, 1931 - A.A. (Entered Oct. 25, 1932)

17h4936 R.A. 21 20 Dec. -25° λ 352 β -46 Exp. 160m
Old nebulae - see H 15475, 12652, 15487
New nebulae - 32
Examined Oct. 25, 1932 - S.F.M.

17h4977 R.A. 23 40 Dec. -25 λ 9 β -76 Exp. 130m
Old nebulae - see H 1h210 + 14444 2 NGC, 2 IC
New nebulae - ~~197~~ 246
Examined Oct. 25, 1932 - S.F.M.

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1932phae.proj.2338M

H 14209 R.A. 20 53 Dec. −62.5 λ 300 β-39 Exp. 120
Old nebulae - see H 5653; 5 I.C., 2 N.G.C.
New nebulae - 136
Examined Oct. 26, 1932 - S.T.M.

H 14690 R.A. 17 3 Dec. -14 λ 336 β+14 Exp. 180
Old nebulae - 1 on H 14210
New nebulae - 2
doubtful - a-b
Examined Oct. 27 1932 - S.T.M.

H 15904 R.A. 4 12 Dec. -77.7 λ 235 β-30 Exp. 180m
Old nebulae - see H 8814 14282
New nebulae - 28
Examined Nov. 1, 1932 - S.T.M.

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1932phae.proj.2338M

A 15983 R.A. 11 20 dec. +20.0 λ 199 β +70 Eff. 180m
Old nebulae – 27 N.G.C.; 3 I.C.
New nebulae – 616
Examined dec. 31, 1932 by M.E.M.

A 16037 R.A. 12 10 dec. −7.5 λ 257 β +54 Eff. 180m
Old nebulae – 8 N.G.C., 1 I.C.
New nebulae – 597 716
Examined Jan. 3, 1933 by M.E.M.
Recovered 1938 F. W. W.

Magnitudes of nebulae Bk. N., p. 62

A 16040 R.A. 12 20 dec. −15.0 λ 262 β +47 Eff. 180m
Old nebulae – 1 N.G.C.; 2 I.C.
New nebulae – 841
Examined Jan. 4, 1933 by M.E.M.

Magnitudes of nebulae, Bk. H, p. 214 – M.E.M.

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1932phae.proj.2338M

A16030 R.A. 12 20 dec. −30.0 λ 264 β +32 Exp. 180m
Old nebulae − I.C.
New nebulae − 344
Examined Jan. 9, 1933 by M.E.M.

A15989 R.A. 10 00 dec. +20.0 λ 184 β +52 Exp. 180m
Old nebulae − 12 N.G.C., 2 I.C.
New nebulae − 137
Examined Jan 11, 1933 by M.E.M.

A16045 R.A. 12 37 dec. +2.5 λ 265 β +65 Exp. 180m
Old nebulae − 36 N.G.C.; 1 I.C.
New nebulae − 450
Examined Jan. 27, 1933 by M.E.M.

Magnitudes of nebulae, Bk. P, p. 172 − M.E.M.

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1932phae.proj.2338M

A16025 R.A. 14 00 Dec. −10.0 λ 300 β +47 Exp. 180m
Old nebulae - 2 N.G.C.; 7 I.C.
New nebulae - 433
Examined Jan. 27, 1933 by M.E.M.

A 15969 R.A. 14 12 Dec. +19.6 λ 342 β +68 Exp. 180m
Old nebulae - 4 N.G.C.; 3 I.C.
New nebulae - 287 (cf. also A14126)
Examined ▽Feb. 6, 1933 by M.E.M.

Magnitudes of nebulae, Bk. H, p. 122 - M.E.M.

A15964 R.A. 11 20 Dec. ± 0.0 λ 232 β +56 Exp 180m
Old nebulae - 2 N.G.C.; 2 I.C.
New nebulae - 825
Examined ▽Feb. 10, 1933 by M.E.M.

Magnitudes of nebulae, Bk. N, p. 15 - M.E.M.

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1932phae.proj.2338M

H16149 R.A. 1 30 Dec. -32.5 λ 207 β -78 Exp. 180m
Old nebulae - 8 N.G.C., 6 I.C. 9 Hdl
New nebulae - 353 9
Examined Feb. 28, 1933 - S.T.M.

H15991 R.A. 16 20 Dec. +17.5 λ 1 β +38 Exp. 180m
Old nebulae - cf. H7372, 7374, 15668.
New nebulae - 93
Examined March 6, 1933 - S.T.M.

Magnitudes of nebulae Bk. S, p. 17 - M.E.M.

H15974 R.A. 16 0 Dec. +17.5 λ 358 β +43 Exp. 180m
Old nebulae - cf H7374
New nebulae - 1297. a-c, e-h
Examined March 7, 1933 - S.T.M.

Magnitudes of nebulae in 2 clusters, Bk. G. p. 128 - M.E.M.

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1932phae.proj.2338M

A 16147 R.A. 1 30 dec. -37.5 λ 226 β -76 Eff. 180m
Old nebulae - 17 N.G.C, 1 I.C
New nebulae - 969 1029
Examined March 8, 1933 by M.E.M.

A 16145 R.A. 1 30 dec. -42.5 λ 239 β -72 Eff 180m
Old nebulae - 4 N.G.C.
New nebulae - ~~756~~ 794
Examined March 9, 1933 by M.E.M.

A 16265 R.A. 0 00 dec. -10.0 λ 60 β -70 Eff. 180m
Old nebulae - 8 N.G.C. (+1 no); 3 I.C (+1 no)
New nebulae - 682 634
Examined March 10, 1933 by M.E.M.

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1932phae.proj.2338M

A1623 R.A. 1 20 Dec. -10 λ 120 β -70 Exp. 180m
Old nebulae - 12 N.G.C. & 7 I.C.
New nebulae - 878
Examined March 10, 1933 - S.J.M.
Reexamined 1937 CDB
did not enter altitudes because of
dubious nature of nebulae

A1618 2 R.A. 2 50 Dec. +12.5 λ 132 β -39 Exp. 150
Old nebulae - 10 I.C., 11 N.G.C..
New nebulae - 282
Examined March 11, 1933 - S.J.M.

Magnitudes of nebulae, Bk P, p.100 - M.E.M.

A1618 1 R.A. 2 40 Dec. ±0 λ 140 β -50 Exp. 180m
Old nebulae - 31 N.G.C., 14 I.C.
New nebulae - 868
Examined March 22, 1933 - S.J.M.

Magnitudes of nebulae, Bk. K, p. 94 - M.E.M.

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1932phae.proj.2338M

H 16241 R.A. 22 00 Dec. -10.0 λ 18 β -10.0 Eff. 180m
Old nebulae – 6 I.C.
New nebulae – 637
Examined May 1, 1933, by M.E.M.

H 16260 R.A. 22 00 Dec. +20.0 λ 47 β -28 Eff. 180m
Old nebulae – 2 N.G.C.; 1 I.C.
New nebulae – ~~210~~ +762
Examined May 3, 1933, by M.E.M.
Re examined CDB

Magnitudes of nebulae, Bk. T, p. 140 – M.E.M.

H 16115 R.A. 23 40 Dec. -45.0 λ 301 β -69 Eff. 180m
Old nebulae – 1 N.G.C., 2 I.C. (IC = NGC), 21 H N
New nebulae – ~~44~~ 396
Examined May 5, 1933, by M.E.M.

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1932phae.proj.2338M

H 16165 R.A. 15 20 Dec. −10.0 λ 321 β +36 Eff. 180″
Old nebulae – 2 N.G.C.
New nebulae – 164
Examined May 8, 1933 – M.E.M.

Magnitudes of nebulae, Bk. H, p. 118 – M.E.M.

H 16199 R.A. 16 40 Dec. −10.0 λ 340 β +23 Eff. 180″
Old nebulae – none
New nebulae – 25 + 9
Examined May 8, 1933 – M.E.M.
Re-examined F.W.W. July '38.

Magnitudes of nebulae, Bk. P, p. 159 – M.E.M.

H 16023 R.A. 18 00 Dec. −10.0 λ 346 β +5 Eff. 180″
Old nebulae – 1 N.G.C.
New nebulae – 10
Examined May 9, 1933 – M.E.M.

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1932phae.proj.2338M

H 16263 R.A. 19 20 dec. -10.0 λ 356 β -14 Eff. 180m
Old nebulae – none
New nebulae – 4
Examined May 9, 1933 – M.E.M.

H 16226 R.A. 1 00 dec. -5.0. λ 104 β -67 Eff. 180m
Old nebulae – 19 N.G.C.; 2 I.C. (3 no) 20 Hel. 1 H IV
New nebulae – 5 3 8
Examined May 17, 1933 by M.E.M.

Magnitudes of nebulae Bh. R. p 193 – A.F.M.

H 16262 R.A. 1 40 dec. -5.0 λ 123 β -62 Eff. 180m
Old nebulae – 10 N.G.C.; 3 I.C.
New nebulae – 8 9 2
Examined May 18, 1933 – M.E.M.

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1932phae.proj.2338M

H 16209 R.A. 1 20 dec −2.5 λ 112 β −62 Eff. 180m
Old nebulae − 23 N.G.C. (1 no); 14/21 I.C. (2 no 1 = 1 N.G.C., 1 ng)
New nebulae − ~~493~~ 909
Examined May 26, 1933 − M.E.M.
reexamined CDB 1937

Magnitudes of nebulae, Bk. T, p. 189 − M.E.M.

H 16164 R.A. 15 20 dec. ±0.0 λ 330 β +42 Eff. 180m
Old nebulae − 4 N.G.C; 2 I.C.
New nebulae − 346
Examined May 26, 1933 − M.E.M.

H 15972 R.A. 16 00 dec. ±0.0 λ 339 β +34 Eff. 180m
Old nebulae − 4 N.G.C.; 1 I.C.
New nebulae − 428
Examined June 1, 1933 by M.E.M.

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1932phae.proj.2218M

H 16220 R.A. 2 50 Dec. -52.5 λ 234 β -56 Eff. 180m
Old nebulae – 5 N.G.C.; 4 I.C.
New nebulae – ~~570~~ 1217
Examined June 5, 1933 – M.E.M.

H 16160 R.A. 15 00 Dec. +2.5 λ 328 β +48 Eff. 180m
Old nebulae – 22 N.G.C.; 7 I.C.
New nebulae – 583
Examined June 17, 1933 – M.E.M.

H 16186 R.A. 16 40 Dec. ±0.0 λ 345 β +26 Eff. 180m
Old nebulae – 2 N.G.C.
New nebulae – 124 + 33 9
Examined June 19, 1933 – M.E.M.
Re-examined F.W.W. July '38

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1932phae.proj.2330M

H 16079 R.A. 20 00 dec. ±0.0 λ 10 β -17 Eff. 180m
Old nebulae - 1 N.G.C.
New nebulae - 41
Examined June 20, 1933 - M.E.M.

H 16179 R.A. 21 20 dec. ±0.0 λ 21 β -35 Eff. 180m
Old nebulae - 7 N.G.C. (1 n2, 1 cl); ~~6~~ 21 I.C.
New nebulae - ~~287~~ 661
Examined June 20, 1933 - M.E.M.
Re-examined C D B

H 16231 R.A. 22 00 dec. ±0.0 λ 30 β -42 Eff. 180m
Old nebulae - 8 N.G.C.; 6 I.C.
New nebulae - 139
Examined July 5, 1933 - M.E.M.

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1932phae.proj.2338M

H 16216 R.A. 0 40 Dec. +20.0 λ 90 β -42 Eff. 180m
Old nebulae – 2 N.G.C.; 1 I.C.
New nebulae – 364
Examined July 7, 1933 – M.E.M.

H 16202 R.A. 1 15 Dec. +7.5 λ 105 β -54 Eff. 180m
Old nebulae – 18 N.G.C.; 4 I.C.
New nebulae – 670
Examined July 7, 1933 – M.E.M.

Magnitudes of nebulae, Blk. P, p. 52 – M.E.M.

H 16303 R.A. 2 00 Dec. +20.0 λ ~~160~~ 114 β ~~-70~~ -37 Eff. 180m
Old nebulae – 10 N.G.C.; 5 I.C.
New nebulae – 358
Examined July 10, 1933 – M.E.M.

Magnitudes of nebulae Blk. P, page 39 – M.E.M.

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1932phae.proj.2338M

H 16347 R.A. 3 55 dec. −62.5 λ 242 β-43 Exp. 180m
Old nebulae – 4 N.G.C.; 2 I.C.
New nebulae – 228
Examined July 10, 1933 – M.E.M.

H 16350 R.A. 4 20 dec. −62.5 λ 240 β-41 Exp. 180m
Old nebulae – 4 N.G.C., 1 I.C.
New nebulae – 727
Examined July 15, 1933 – M.E.M.

Magnitudes of nebulae Blk x : 97 m.m S.

H 16337 R.A. 3 20 dec. −70.0 λ 253 β-42 Exp. 180m
Old nebulae – 3 N.G.C.
New nebulae – 406
Examined July 18, 1933 – M.E.M.

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1932phae.proj - 2338M

H 16338 R.A. 3 50 Dec. -67.5 λ 249 β -41 Eff. 180m
Add nebulae - 5 N.G.C.
New nebulae - 523
Examined July 21, 1933 - M.E.M.

H 14299 R.A. 3 53 Dec. -57.7 λ 235 β -46 Eff. 180m
Add nebulae - 6 N.G.C.; 23 I.C.
New nebulae - 1444
Examined Aug. 2, 1933 - M.E.M.

H 16312 R.A. 5 26 Dec. -62.0 λ 238 β -33
Add nebulae - 11 N.G.C. (7 of which are clusters)
LMC
New nebulae - 715
Examined August 7, 1933 - M.E.M.

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1932phae.proj.233BM

H 16318 R.A. 5 50 Dec. −57.5 λ 232 β −30 Eff. 180m
Old nebulae − 2 N.G.C.
New nebulae − 590
Examined Aug. 10, 1933 − M.E.M.

H 16315 R.A. 6 00 Dec. −77.5 λ 256 β −28 Eff. 180m
Old nebulae − 2 N.G.C.; 9 I.C.
New nebulae − 151
Examined Aug. 11, 1933 − M.E.M.

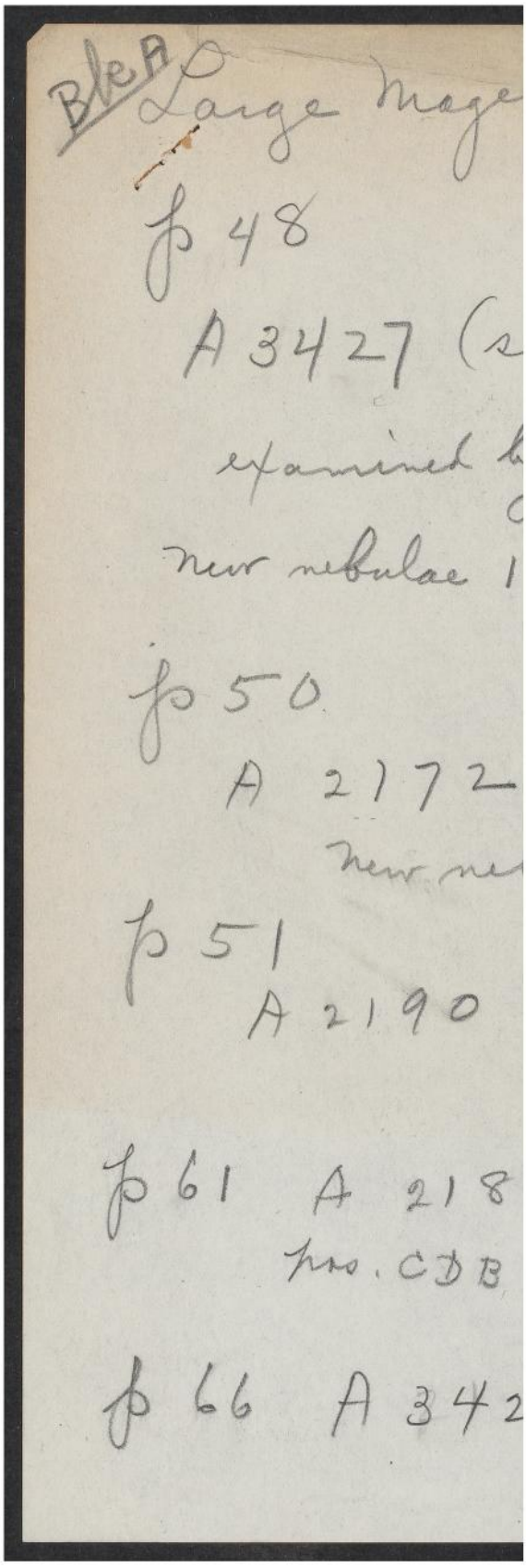
Magnitudes of nebulae BK Y:127 m.m.s

H 16369 R.A. 5 20 Dec. −62.5 λ 238 β −34 Eff. 180m
Old nebulae − 12 N.G.C. (8 are clusters) and 715 ± nebulae
New nebulae − 26 (from H 16312 only a small strip along 2 sides was examined, as plate is mostly covered by 1632)
Examined Sept. 12, 1933 − M.E.M.

LMC

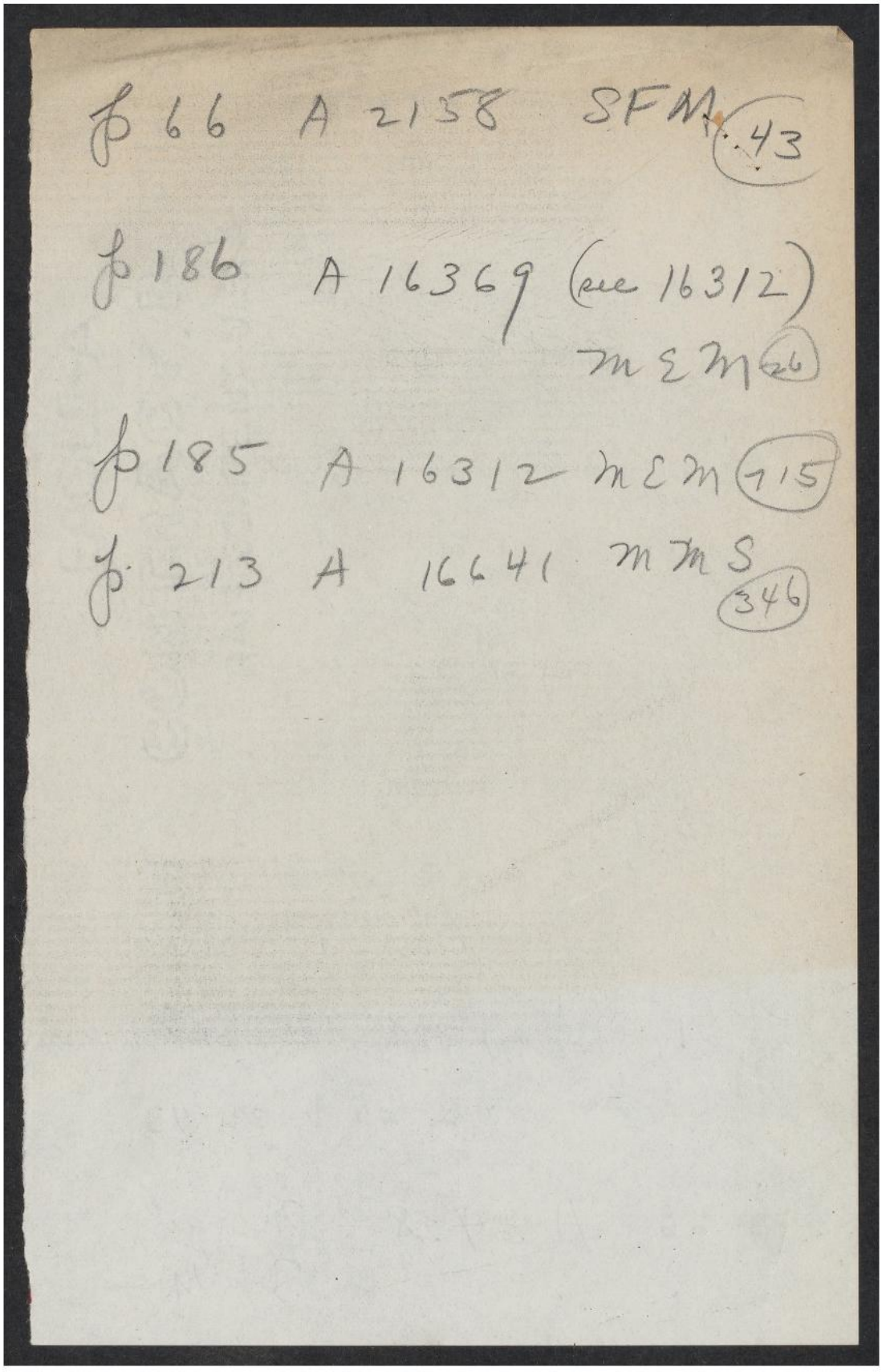
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1932phae.proj.2338M



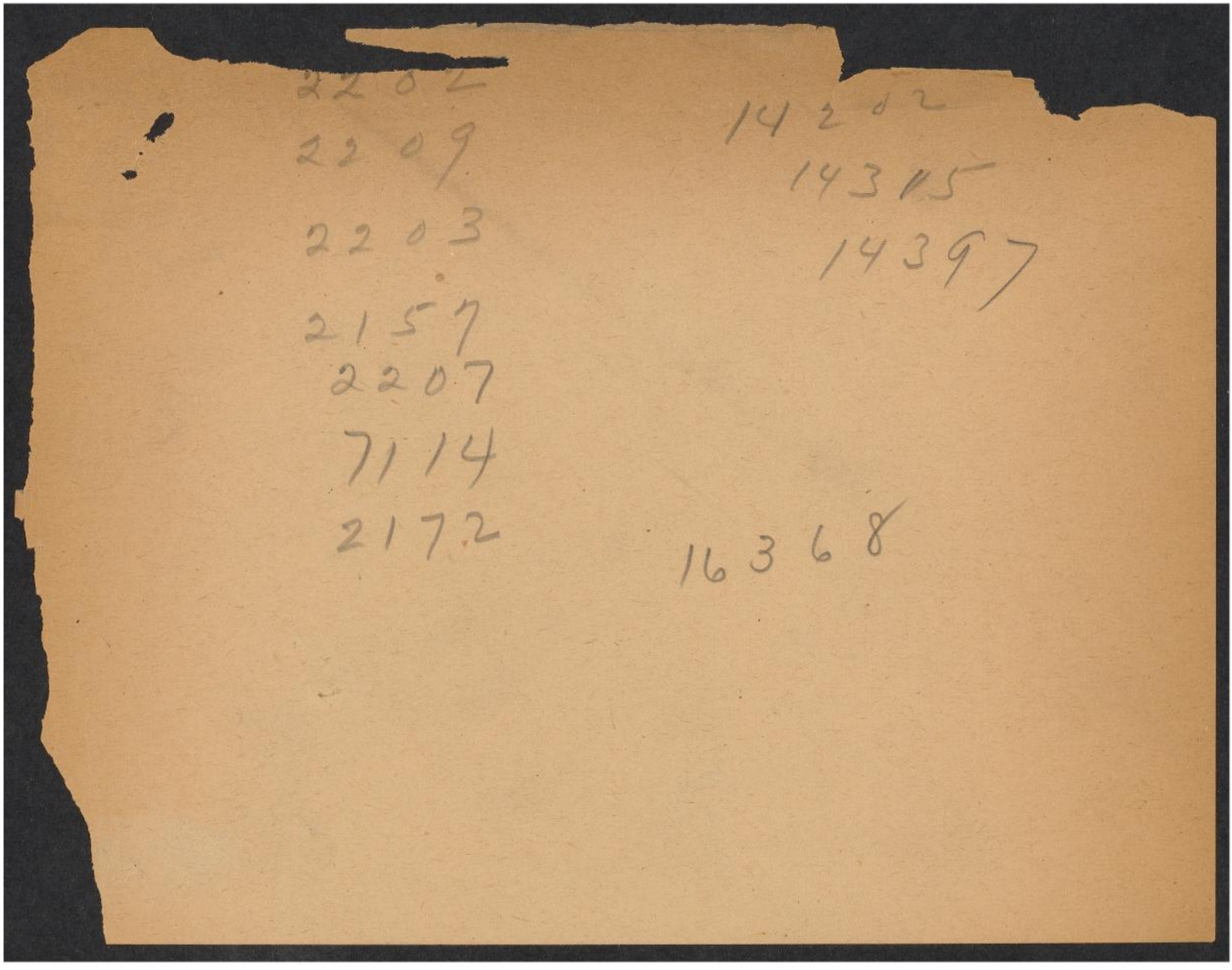
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H 16358 R.A. 5 10 Dec. −57.5 λ 232 β −36 Eff. 180m
Old nebulae – 5 N.G.C.
New nebulae – 548
Examined Oct. 6, 1933 – M.E.M.

H 14329 R.A. 22 22 Dec. −62.2 λ 294 β −49 Eff. 281m
Old nebulae – 3 N.G.C.; 14 I.C.; MENZEL
New nebulae – 476
Examined October 26, 1933 – M.E.M.

Magnitudes of nebulae Bk. B' 121, m.m 3. (to tenths)
Magnitudes of nebulae Bk. L, p. 56; – M.E.M. (to wholes + halves)

H 16457 R.A. 12 7 Dec. +27.8 λ 182 β +82 Eff. 180m
Old nebulae – 47 N.G.C.; 86 I.C.; 70 H.N.; 9 WOLF
New nebulae – 872
Examined Dec. 14, 1933 – M.E.M.

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1932phae.proj - 2338M

H 16344 R.A. 2 50 Dec. -80.0 λ 263 β -36 Exp. 215m
Old nebulae - none
New nebulae - 409
Examined Jan. 5, 1934 - M.E.M.

Magnitudes of nebulae Pk X : 3 m.m.s.

H 16197 R.A. 20 50 Dec. -52.5 λ 313 β -42 Exp. 180m
Old nebulae - 7 N.G.C.; 1 I.C.; 41 H.N.
New nebulae - 868
Examined Jan 17, 1934 - M.E.M.

H 16289 R.A. 0 20 Dec. -5.0 λ 47 β -61 Exp.
Old nebulae - 1 (1 ms) N.G.C; 9 (1 ms) I.C.
New nebulae - 8 3 7
Examined Jan. 22, 1934 - M.E.M.

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1932phae.proj.2338M

A 16290 R.A. 2 50 dec. +12.5 λ 132 β -39 Eff. 180m
Old nebulae - 11 N.G.C.; 10 I.C.
New nebulae - 657
Examined Jan. 24, 1934 - M.E.M.

A 16407 R.A. 14 8 dec. +19.8 λ 341 β +68 Eff. 180m
Old nebulae - 1 I.C.
New nebulae - 286 (cf. also A 15969)
Examined Jan. 29, 1934 - M.E.M.

A 16119 R.A. 13 10 dec. -7.5 λ 284 β +53 Eff. 180m
Old nebulae - 14 N.G.C.; 3 I.C.
New nebulae - 785 927
Examined Jan. 31, 1934 - M.E.M.
Re-measured 1938 F W W

Magnitudes of nebulae Bk P, p. 11 - M.E.M.

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1932phae.proj.2338M

H 16133 R.A. 13 40 Dec. -15.0 λ 291 β +45 Eff. 180m
Old nebulae – 1 N.G.C.; 5 I.C.
New nebulae – 656
Examined Feb. 2, 1934 – M.E.M.

H 16086 R.A. 12 27 Dec. -2.5 λ 261 β +60 Eff. 180m
Old nebulae – 13 N.G.C.; 3 I.C.
New nebulae – 891 (cf. also H 1.5258)
Examined Feb. 3, 1934 – M.E.M.

Magnitudes of nebulae Bk. N; p. 171 – M.E.M.

H 16363 R.A. 9 54 Dec. -5.5 λ 215 β +38 Eff. 180m
Old nebulae – 10 N.G.C.; 6 I.C.
New nebulae – 1500
Examined Feb. 8, 1934 – M.E.M.

Magnitudes of nebulae, Bk. S, p 154 – M.E.M.

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1932phae.proj.233M

H 16097 R.A. 20 40 dec. −5.0 λ 10 β −29 Eyp. 180
Old nebulae – 6 N.G.C. ; 1 I.C.
New nebulae – 662
Examined Feb. 9, 1934 – M.E.M.

Magnitudes of nebulae Bkn. N, p. 205 – M.E.M.

H 16091 R.A. 20 40 dec. ±0.0 λ 15 β −26 Eyp 180
Old nebulae – 10 N.G.C. ; 2 I.C.
New nebulae – 475 (cf. also H 15794)
Examined Feb. 14, 1934 – M.E.M.

Magnitudes of nebulae: Bkn N, p. 154 – M.E.M.

H 16871 R.A. 14 00 dec. ±0.0 λ 308 β +56 Eyp. 180
Old nebulae – 14 N.G.C. ; 6 I.C.
New nebulae – 1077
Examined Oct. 15, 1934 – M.E.M.

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1932phae.proj.2338M

H 16764 R.A. 14 00 Dec. +10.0 λ 320 β +64 Eff. 180m
Old nebulae – 24 N.G.C.; 1 I.C.
New nebulae – 1023
Examined Oct. 18, 1934 – M.E.M.

H 16931 R.A. 17 20 Dec. +20.0 λ 9 β +26 Eff. 180m
Old nebulae – 1 N.G.C.
New nebulae – 322
Examined Oct. 19, 1934 – M.E.M.

H 16960 R.A. 15 20 Dec. +20.0 λ 357 β +52 Eff. 180m
Old nebulae – 2 N.G.C.; 2 I.C.
New nebulae – 699
Examined Oct. 22, 1934 – M.E.M.

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1932phae.proj.233M

H 16873 R.A. 18 40 Dec. +20.0 λ 18 β +9 Eff. 180m
Old nebulae – 2 N.G.C.
New nebulae – 252
Examined October 23, 1934 – MEM.

H 16814 R.A. 20 00 Dec. +10.0 λ 19 β –12 Eff. 180m
Old nebulae – none
New nebulae – 110
Examined October 24, 1934 – MEM.

H 16757 R.A. 14 20 Dec. +7.5 λ 323 β +59 Eff. 180m
Old nebulae – 34 N.G.C.; 5 I.C.
New nebulae – 790
Examined Oct. 27, 1934 – MEM.

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1932phae.proj.2338M

H 16211 R.A. 20 12 Dec. −35.0 λ 336 β −34 Eff. 180m
Old nebulae − 4 I.C.
New nebulae − 211
Examined Nov. 2, 1934 − M.E.M.

H 16968 R.A. 21 20 Dec. −37.5 λ 333 β −47 Eff. 180m
Old nebulae − 2 N.G.C.; 3 MENZEL
New nebulae − 725
Examined Nov. 5, 1934 − M.E.M.

H 16633 R.A. 23 40 Dec. −55.0 λ 288 β −61 Eff. 190m
Old nebulae − 3 N.G.C.
New nebulae − about 200
Examined Nov. 15, 1934 − M.E.M.

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1932phae.proj.2338M

H 16484 R.A. 19 20 Dec. -42.5 λ323 β -26 Eff. 180m
Old nebulae - 2 N.G.C; 4 H.N.
New nebulae - 196
Examined Nov. 17, 1934 - M.E.M.

H 16580 R.A. 21 20 Dec. -32.5 λ 341 β -47 Eff 180m
Old nebulae - none
New nebulae - 198 (very poor plate)
Examined Nov. 20, 1934 - M.E.M.

H 16639 R.A. 21 24 Dec. -57.4 λ 305 β -45 Eff. 180m
Old nebulae - 2 N.G.C.; 1 I.C.; 4 H.N.; 157 Mengel
New nebulae - 642 POOR PLATE : CHECK PLATES ALSO POOR
Examined Dec. 5, 1934 - M.E.M.

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1932phae.proj.2338M

H16214. R.A. 20 30 dec. -52.5 λ314 β-38. Eff. 180m
Old nebulae - 8 N.G.C.; 2 I.C.; 72 H.N.
New nebulae - 429
Examined Dec. 5, 1934 - M.E.M.

H16549 R.A. 19 40 dec. -35.0 λ333 β-37 Eff. 168m
Old nebulae - 1 I.C.
New nebulae - 284
Examined Dec. 8, 1934

H16524 R.A. 18 00 dec. -40.0 λ320 β-11 Eff. 175m
Old nebulae - none
New nebulae - 217
Examined Dec. 10, 1934 - M.E.M.

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1932phae.proj.2338M

A 16163 R.A. 18 40 dec. -32.5 λ 331 β -14 Eff. 180m
Old nebulae - none (3 N.G.C. clusters)
New nebulae - 41
Examined Dec. 13, 1934 - M.E.M.

A 16250 R.A. 19 10 - dec. -47.5 λ 318 β -25 Eff. 180m
Old nebulae - 3 I.C.; 11 H.N.; 15 MENZEL
New nebulae - 519
Examined December 27, 1934 - M.E.M.

A 16945 R.A. 20 15 Dec. -85.0 λ 275 β -30 Eff
Old nebulae - 1 N.G.C.
New nebulae - 1545
Examined Feb. 14, 1935 - M.E.M.

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1932phae.proj.2338M

A 16755 R.A. 10 05 dec. -5.5 λ 216 β +41 Exp. 180m
Old nebulae – 5 N.G.C.; 5 I.C.
New nebulae - 1561
Examined Feb. 26, 1935 – M.E.M.

A 16961 R.A. 21 00 Dec. -82.5 λ 277 β -33 Exp. 180m
Old nebulae - 1 N.G.C.
New nebulae – 363 (of A 16945)
Examined March 6, 1935 – M.E.M.

Magnitudes of nebulae Bk B': 8.1 m.m.s.

A 16976 R.A. 23 40 Dec. -82.5 λ 273 β -36 Exp. 180m
Old nebulae - 1 N.G.C.
New nebulae - 595 (of A 17002)
Examined March 7, 1935 – M.E.M.

Magnitudes of nebulae Bk B': 4.3 m.m.s.

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1932phae.proj.2338M

A 16732 R.A. 4 50 Dec. -62.5 λ 240 β -37 Exp. 180m
Old nebulae - 10 N.G.C. (2 are clusters)
New nebulae - 1997
Examined March 20, 1935 - M.E.M.

A 17187 R.A. 4 30 Dec. -65.0 λ 242 β -38 Exp. 180m
Old nebulae - 30 N.G.C. (many are clusters)
New nebulae - 2400
Examined March 28, 1935 - M.E.M.

Magnitudes of nebulae Bk. Y. 15 m. m. S.

A 16694 R.A. 4 20 Dec. -66.0 λ 243 β -39 Exp. 180m
Old nebulae - 25 N.G.C., 1 I.C. (many are clusters)
New nebulae - 348 (cf. A 17187)
Examined April 1, 1935 - M.E.M.

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1932phae.proj - 2338M

A17163 R.A. 4 00 dec. -72.5 λ 252 β -38 Exp. 180m
Old nebulae - 3 N.G.C. (2 of which are clusters)
New nebulae - 1875
Examined May 22, 1935 - M.E.M.

A16614 R.A. 3 50 dec. -72.5 λ 252 β -38 Exp. 180m
Old nebulae - 3 N.G.C. (2 of which are clusters)
New nebulae - 14 (only part of plate examined cf. A17163 first)
Examined May 25, 1935 - M.E.M.

A 16762 R.A. 5 20 dec. -75.0 λ 351 β -33 Exp. 180m
Old nebulae - 10 N.G.C; 9 I.C. (12 are clusters)
New nebulae - 599
21 possible clusters
Examined May 28, 1935 - M.E.M.

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1932phae.proj.2338M

A 16686 R.A. 4 40 dec. -75.0 λ 253 β -34 Eff 180m
Old nebulae - 3 N.G.C; 4 I.C. (3 are clusters)
New nebulae - 970
Examined June 5, 1935 - M.E.M.

Magnitudes of nebulae Bk X:115 m.m.s.

A 16645 R.A. 6 00 dec. -75.0 λ 252 β -29 Eff 180m
Old nebulae - 8 N.G.C.; 4 I.C. (8 are clusters)
New nebulae - 100 (cf. A 16762, 16368)
Examined June 9, 1935 - M.E.M.

*A 16758

A 16698 R.A. 6 20 dec. -67.5 λ 245 β -27.5 Eff. 180m
Old nebulae - 46 N.G.C. (28 are clusters)
New nebulae - 323 (only part of plate ex.: cf A 16758, 14391)
Examined June 26, 1935 - M.E.M.

* See Book A': 8

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1932phae.proj.2338M

A16699 R.A. 6 50 Dec. -67.5 λ 245 β -25 Exp. 180m
Old nebulae - 9 N.G.C. (4 are clusters)
New nebulae - 522
Examined June 28, 1935 - M.E.M.

A17097 R.A. 3 20 Dec. -62.5 λ 244 β -46 Exp. 180m
Old nebulae - none
New nebulae - 709
Examined July 3, 1935 - M.E.M.

Magnitudes of nebulae Bds x : 29 m m. s.

A16195 R.A. 16 54 Dec. -62.5 λ 295 β -14 Exp. 180m
Old nebulae - 3 N.G.C.; 3 I.C.; 17 H N.
New nebulae - 288
Examined July 17, 1935 - M.E.M.

Magnitudes of nebulae Bds. C' : 3 m m. s.

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1932phae.proj.2338M

A 16218 R.A. 17 52 dec. −62.8 λ 298 β −19 Eff. 180m
Old nebulae − 8 N, 10 I, 2 H.N.
New nebulae − 202
Examined July 25, 1935 − M.E.M.

Magnitudes of nebulae Bk. C'.11 m.m.s.

A 16204 R.A. 17 25 dec. −63.0 λ 296 β −17 Eff. 180m
Old nebulae − 7 N.G.C.; 5 I.C.; 12 H.N.
New nebulae − 242 (cf. A 16218; 16195)
Examined July 31, 1935 − M.E.M.

A 16734 R.A. 4 30 dec. −57.5 λ 231 β −41 Eff. 180m
Old nebulae − 16 5 N.G.C.; 12 3 I.C.
New nebulae − 453 670
Examined Aug. 1, 1935 − M.E.M.
Reexamined C D B

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1932phae.proj.2338M

A 16952 R.A. 16 54 Dec. -57.6 λ 301 β -11 Exp. 180m
Old nebulae – 3 N.G.C., 3 I.C.; 5 H.N.
New nebulae – 315 (cf. A16993)
Examined August 3, 1935 – M.E.M.

A 17072 R.A. 17 54 Dec. -57.5 λ 303 β -17 Exp. 180m
Old nebulae – 5 I.C.; 2 H.N.; 1 MENZEL
New nebulae – 254
Examined August 7, 1935 – M.E.M.

A 17004 R.A. 17 33 Dec. -52.5 λ 306 β -12 Exp. 180m
Old nebulae – (1 N.G.C.; 1 I.C. both clusters)
New nebulae – 124
Examined Aug. 8, 1935 – M.E.M.

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1932phae.proj.2338M

A 6455 R.A. 17 20 Dec. -57.5 λ 301 β -13 Eff. 180mm
Old nebulae – 2 I.C.; 3 H.N.
New nebulae – 88 (only central portion examined)
Examined August 9, 1935 – M.E.M.

A 17079 R.A. 17 55 Dec. -52.5 λ 308 β -15 Eff. 180mm
Old nebulae – 2 N.G.C. (glob. cl.); 3 MENZEL
New nebulae – 156 (cf. A 17004, 17125)
Examined August 12, 1935 – M.E.M.

A 16993 R.A. 16 22 Dec. -57.6 λ 296 β -7 Eff. 180mm
Old nebulae – 5 N.G.C. (2 ext. gal. cl.); 2 H.N.
New nebulae – 41 (cf. A 15373, 16967, 16952)
Examined August 14, 1935 – M.E.M.

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1932phae.proj - 2338M

A 16967 R.A. 16 30 Dec. -55.0 λ 299 β -6 Exp. 210m
Old nebulae - (3 N.G.C. - galactic clusters)
New nebulae - 78 (of A 16988, 16993, 16952)
Examined August 16, 1935 - M.E.M.

A 7418 R.A. 17 11 Dec. -52.5 λ 305 β -10 Exp. 240m
Re-examination
[cf p. 72]
Old nebulae - 2 N.G.C. (clusters); 2 I.C. (1 plan.; 1 gal.cl.); 5 MENZEL
New nebulae - 56
Examined August 17, 1935 - M.E.M.

A 14253 R.A. 18 22 Dec. -62.7 λ 300 β -22 Exp. 180
Re-examination
[cf. p. 97]
Old nebulae - 7 N.G.C.; 51 I.C. (39 STEWART), 1 H.N.
New nebulae - 523
Examined August 22, 1935 - M.E.M.

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1932phae.proj.2338M

A17194 R.A. 0 00 Dec. -77.5 λ 0 β -81 Eph. 185
Old nebulae - 0
New nebulae - 517
Examined January 5, 1936 - m.m.s.

Magnitudes of nebulae Bk W:3 m.m.s.

A17219 R.A. 0 20 dec. -62.5 λ 274 β -56 Eph 1950
Old nebulae - 2 N.G.C.; 1 I.C. c HN.
(4 replace M11A 3 nos)
New nebulae - 939 (-4)
Examined January 6, 1936 - M.M.S.

Magnitudes of nebulae - Bk. W:75 m.m.s

A17198 R.A. 1. 00 dec. -77.5 λ 268 β -40 Eph 1950
Old nebulae - N.G.C 643 (cl), N 339 (?) (cl.)
New nebulae - 440
Examined January 7, 1936 - M.M.S.

Magnitudes of nebulae Bk. W:15 - M.M.S.

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1932phae.proj.2338M

A 17088 R.A. 1 10 dec. −62.5 λ 264 β −55 Eqp 1850

Add nebulae − 2 N.G.C.

New nebulae − 474

Examined January 8, 1936 − M.M.S.

Magnitudes of nebulae B K. W: 49 - m. m. S.

A 17222 R.A. 1 20 dec. −67.5 λ 264 β −50 Eqp 1850

Add nebulae − 3 N.G.C.

New nebulae − 1144

Examined January 8, 1936 − M.M.S.

Magnitudes of nebulae B K. W: 25 m. m. S

A 14996 R.A. 0 00 dec. −90.0 λ 270 β −28 Eqp 1850

Add nebulae − 1 N.G.C.

New nebulae − 351

Examined January 14, 1936

Magnitudes of nebulae B K. W: 67 m. m. S.

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1932phae.proj.2330M

A 17066 R.A. 19 00 Dec. −35.0 λ 330 β −19 Eff 180

Old nebulae – no extragalactic ones

New nebulae – 77

Examined January 15, 1936 – M.M.S.

A 17074 R.A. 19 00 Dec. −40.0 λ 325 β −21 Eff. 180

Old nebulae – 1 N.G.C..

New nebulae – 126

Examined January 17, 1936 – M.M.S.

A 17354 R.A. 13 40 Dec. −30.0 λ 285 β +30 Eff. 180

Old nebulae – 15 N.G.C., 28 I.C., 87 Mrazek (not identif. +4 Hee 9th)

New nebulae – 1481 + 6

Examined January 18, 1936 – M.M.S.

Re-examined F.W.W. July '38

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1932phae.proj.2338m

A 17121 R.A. 2 00 dec. -62.5 λ 254 β -52 Exp. 180m
Old nebulae - 2 N.G.C.
New nebulae - 507
Examined January 20, 1936 - M.M.S.

Magnitudes of nebulae. BK. W: 105 m.m.s.

A 17144 R.A. 2 20 dec. -67.5 λ 256 β -48 Exp. 180m
Old nebulae - 2 N.G.C.
New nebulae - 381
Examined January 22, 1936 - M.M.S.

Magnitudes of nebulae BK. W: 117 m.m.s.

A 17150 R.A. 2 30 dec. -70.0 λ 258 β -45 Exp 180m
Old nebulae - 2 N.G.C.
New nebulae - 388
Examined Feb. 12, 1936 - M.M.S.

Magnitudes of nebulae BK W: 127 m.m.s.

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1932phae.proj.2338M

A 17200 R.A. 3 15 dec. -85.0 λ 266 β -32 Eff 180"
Old nebulae - 1 I.C.; 1 N.G.C. (new cluster)
New nebulae - 278
Examined Feb. 12, 1936 - M.M.S.

Magnitudes of nebulae Bk. X : 47

A 17155 R.A. 3 20 dec. -69.5 λ 290 β -44 Eff 180"
Old nebulae - 5 N.G.C.
New nebulae - 557
Examined Feb. 13, 1936 - M.M.S.

Magnitudes of nebulae Bk. X : 15 M.M.S.

A 17193 R.A. 6 00 dec. -82.5 λ 261 β -28 Eff. 180"
Old nebulae - 2 N.G.C (1 new cl.; of A17200), 1 I.C.
New nebulae - 197
Examined Feb. 13, 1936 - M.M.S.

Magnitudes of nebulae Bk. Y : 133 M.M.S.

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1932phae.proj.2338M

A 16641 R.A. 5 50 Dec. −62.5 λ 238 β −31 Eff. 180m

LMC?

Old nebulae − 19 N.G.C. (2 are clusters)

New nebulae − 346

Examined Feb. 14, 1936 − W.M.S.

Magnitudes of nebulae Bk X : 141 W.M.S.

A 17256 R.A. 7 20 Dec. −72.5 λ 251 β −24 Eff. 180m

Old nebulae − 1 N.G.C.

New nebulae − 564

Examined Feb. 15, 1936 − W.M.S.

Magnitudes of nebulae Bk. Z. 55 W.M.S.

A 17211 R.A. 6 45 Dec −85.0 λ 264 β −27 Eff. 180m

Old nebulae − 2 N.G.C. (1 is a cluster

New nebulae − 349

Examined Feb. 15, 1936 − W.M.S.

Magnitudes of nebulae Bk : Z : 45 W.M.S.

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A17312 R.A. 7 25 Dec. −62.5 λ 241 β −20 Eff 180

Old nebulae − 3 N.G.C.; I.C.

New nebulae − 503

Examined Feb. 17, 1936 − M.M.S.

Magnitudes of nebulae Bk. Z. 69 m.m. 8

A17316 R.A. 7 30 Dec. −77.5 λ 257 β −24 Eff 180m

Old nebulae − 0

New nebulae − 440

Examined Feb. 18, 1936 − M.M.S.

A17250 R.A. 7 40 Dec. −67.5 λ 246 β −20 Eff. 180m

Old nebulae − 3 N.G.C.; 1 I.C.

New nebulae − 599

Examined February 19, 1936 − M.M.S.

Magnitudes of nebulae Bk. Z. 81, m.m. 8

A 17351 - See A, page 8

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A17398 R.A. 8 30 Dec. -77.5 λ 258 β -22 Eff. 180m
Old nebulae - 0
New nebulae - 469
Examined Feb. 28, 1936 - M.M.S.

Magnitudes of nebulae BR. Z 107 M.M.S

A17391 R.A. 8 40 Dec. -67.5 λ 250 β -15 Eff. 180m
Old nebulae - 4 N.G.C.; 1 I.C
New nebulae - 704
Examined Feb. 28, 1936 - M.M.S.

Magnitudes of nebulae BR. Z: 119 M.M.S.

A16696 R.A. 9 5 Dec. -62.5 λ 248 β -10 Eff. 180
Old nebulae - 3 N.G.C
New nebulae - 176
Examined Feb. 29, 1936 - M.M.S.

Magnitudes of nebulae. BR. Z. 135 M.M.S.

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A 16919 R.A. 9 55 dec. -62.5 λ 252 β -6 Eff 180"
Old nebulae - 2 N.G.C. (clusters)
New nebulae - 91
Examined March 2, 1936 - m.m.s.

Magnitudes of nebulae Bk Z:145 m. m. s.

A 16330 R.A. 10 20 Dec. -67.5 λ 256 β -9 Eff. 180"
Old nebulae - 1 I.C.; 1 N.G.C.
New nebulae - 102
Examined March 3, 1936 - m.m.s.

Magnitudes of nebulae. Bk B':3 m.m.s.

A 16328 R.A. 10 20 dec. -72.9 λ 254 β -12.5 Eff 180
Old nebulae - 1 N.G.C
New nebulae - 146
Examined March 3, 1936 - m.m.s.

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180~

A 16316 R.A. 10 01 dec. −77.6 λ 262 β −17 Eff. 180~
Old nebulae − 2 N.G.C.
New nebulae − 113
Examined March 3, 1936 − M.M.S.

Magnitudes of nebulae BR 2:149 M.M.S.

180~

A 16366 R.A. 11 3 dec. −72.7 λ 363 β −12 Eff. 180~
Old nebulae − 0
New nebulae − 208
Examined March 4, 1936 − M.M.S.

Magnitudes of nebulae BR. C': 27 M.M.S.

See A, p 5 for 16934

180

A 16481 R.A. 11 30 dec. −60.0 λ 262 β −1 Eff. 180~
Old nebulae − 10 N.G.C.; 2 I.C. (clusters and galactic nebs)
New nebulae − 140
Examined March 5, 1936 − M.M.S.

Magnitudes of nebulae BR. C': 33 M.M.S.

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A16950 R.A. 11 35 Dec. -82.5 λ267 β-21 Eff 180"
Old nebulae - 1 I.C.
New nebulae - 288
Examined March 6, 1936 - M.M.S.

Magnitudes of nebulae Bk C': 39 m.m.s.

A16436 R.A. 11 40 Dec. -72.5 λ265 β-16 Eff 180"
Old nebulae - 1 I.C.; 1 N.G.C.
New nebulae - 266
Examined March 7, 1936 - M.M.S.

A16011 R.A. 12 02 Dec. -77.9 λ267 β-16 Eff. 180"
Old nebulae - 1 N.G.C.; 3 I.C.
New nebulae - 81
Examined March 9, 1936 - M.M.S.

Magnitudes of nebulae Bk. C': 53. m.m.s.

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A 16073 R.A. 11 53 dec. -62.8 λ 264 β -1 Eff. 180″
Old nebulae – 6 N.G.C.; 3 I.C.
New nebulae – 94
Examined March 9, 1936 – M.M.S.

Magnitudes of nebulae Bk C':49 m.m.s.

A 16134 R.A. 12 20.5 dec. -67.5 λ 267 β -5 Eff 180″
Old nebulae – 2 N.G.C.
New nebulae – 56
Examined March 10, 1936 – M.M.S.

Magnitudes of nebulae Bk. C':57 m.m.s.

A 14529 R.A. 12 51 dec. -62.5 λ 272 β 0 Eff. 120
Old nebulae – 2 N.G.C. (clusters)
New nebulae – 87
Examined March 10, 1936 – M.M.S.

Magnitudes of nebulae Bk. C':61 m.m.s.

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A16452 R.A. 13 04 dec. -77.6 λ 272 β -16 Eff. 180"
Old nebulae - 0
New nebulae - 151
Examined March 11, 1936 - M.M.S.

Magnitudes of nebulae Bk. C': 71 m. m. s.

A16450 R.A. 13 42 dec. -67.8 λ 277 β -6 Eff. 180"
Old nebulae - 2 N.G.C.; 1 I.C.
New nebulae - 103
Examined March 11, 1936 - M.M.S.

Magnitudes of nebulae - Bk. C': 77 m. m. s

A16033 R.A. 13 03 dec. -72.7 λ 272 β -11 Eff. 180"
Old nebulae - 2 N.G.C. (clusters)
New nebulae - 116
Examined March 11, 1936 - M.M.S.

Magnitudes of nebulae Bk C': 65 m. m. s.

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Wash Jan 27, 1930 –

16338 p 185 = 183 plates
16091 p 192 = 203 "

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