

KG 11365.415

Index to Books
on Meridian Circle Work

1870-1886

Fireball Computing

Fireball computing

Finchall computing

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Meridian Circle

Books of Series M.

and others

KG-11365.415



1886 Sept. 27 A new series of notation for the books pertaining to the Meridian Circle work has been used according to the following system: -

- # A. Circle Readings of Fundamental Stars. Readings of Level are found in A₃₃, A₄₀, and A₄₁.
- B. Circle Readings of Polaris
- C. Circle Readings of Zone Stars.
- D. Readings of Barometer, Thermometer, Flexure, Level, Run and Collimation. From D₁₇ to end readings of Barometer and Thermometer only
- E. Readings of Flexure, Level, Run and Collimation, from Oct. 15 1884 to June 1 1885. Level, Run and Collimation are found in A₄₀ and A₄₁
- F. Observations and Reductions of Fundamental Stars.
- G. Observations and Reductions of Polaris
- H. Observations and Reductions of Zone Stars
- I. Final Reductions of Zone Catalogue
- J. Chronograph Records.
- K. Instrumental Constants
For contents of separate books see page 5.
- L. Investigation of errors of Circle.
- M. Miscellaneous List.
For contents of separate books see pages 6+7

For contents of separate book of Series A, B, &c see page 8.

Series K. Contents of separate books.

- K 1 to 5 Instrumental Constants. Clock Errors
Apr 26 1871 to Jan 26 1885
- K 6 to 9 Equator Point Correction Apr 26 1871 to Jun 23 1879
- K 10 Equator Point Correction for 4 Pole Stars
- K 11 to 19 Instrumental Constants depending on
new Pulkova Coordinates
- K 20 and 21 Final values of $(\Delta T + m)$ and R_{eq} for
Four observations Nov 10 1870 to Dec 31 1878
- K 22 and 23 Final values m and c . 1872 to 1878.
- K 24 Barometer, Thermometer, ^{to Jan 26 1879} R_{mns} and
Flexure Nov. 10 1870 to Dec. 21 1885
- K 25 Refraction constants $(B + T + r)$ Nov 10
1870 to Feb. 2 1886
- K 26 Polar Catalogue 1872-3. Thread inter-
vals, Precession constants and Flexure
- K 27 Continuation of Polar Catalogue. Tables
for K . Thread intervals 1876-7, Inclination
of declination wires 1876-7
- K 28 Inclination of declination wires
Nov 10 1870 to Dec 31 1879
- K 29 Tables for reduction to the meridian,
Reduction of Mars and Castorans
list of Comparison stars 1877.
Tables for $(B + T + r)$ R_{mns} 1870 to 1879
Thread intervals 1883 to 1885
Inclination of declination wires
1883 to 1885

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Series M

Contents of separate books.

1. Meridian Circle Record Aug. 16 1870 to Mar. 13 1871
2. Zone stars observed from Nov. 16 1870 to Dec. 16 1870
3. Zone stars observed from Dec. 16 1870 to Mar. 28 1871
4. Zero and Almanac stars from Nov. 16 1870 to Mar. 28 1871
5. Circle Readings copied into series C. Nov. 1 1870 to Nov. 20
6. Circle Readings copied into series C. Dec. 10 1870 to Apr. 8 '71
7. Circle Readings copied into series C. May 7 to Apr. 6 1871
8. Observations of zone stars Nov. 9 1870 to Nov. 27 1870
9. DM list 50° - 51° - 52°
10. DM list 49° to 55°
11. DM list 53° and 54°
12. Note book W. V. Brown.
13. Note book D. B. Pratt.
14. Zone stars needing examination
15. Zone stars to be re-observed.
16. Star places 1875.0
17. $K-K'$, $d-d'$.
18. $K-K'$, $d-d'$.
19. Zero stars, Reduction to Apparent Place
20. Tables and Formulae for reduction of Zone obs.
21. Tables and Formulae for reduction of Zone obs.
- 22 } Fundamental stars, Ephemerides and
- 23 } Constants for 1879.
24. Working List of Fundamental stars, with
dates of observation, 1879, ^{States of observation} Copied into M. 25 pp. 14-22
25. Same as 24.
26. Working List of Fundamental stars, with
dates of observation, 1880 and 1881, ^{States of observation} Copied into M. 25 pp. 14-22
27. Longitude Campaign 1872-3
Preliminary corrections for Right Ascensions
of the American Ephemeris

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- Series M.
28. Longitude Campaign H. C. C. and Winchester Observatory. Observations for Diameter of Venus.
 29. Continuation of observations for Diameter of Venus. Longitude Campaign, Cambridge, and Montreal.
 30. Longitude Campaign between Cambridge
 31. and Montreal.
 32. Dates of observations of zone stars 1883 and 1884.
 33. Meridian Circle, General Record 1879-80
 34. General Catalogue 1872. List of stars
 35. Eclipses. Gannett.
 36. Time Book, error and rate of South Clock.
 37. Time Book, 1875.
 38. Russian Transit Campaign between
 39. H. C. C. and Port Jervis.
 40. Longitude Campaign between H. C. C. and Lawrence Scientific School.
 41. List of stars observed for Polar Catalogue 1885
 42. Meridian Circle, General Records, Sept-27 1886

- Series A. A₁ to A₄₃. Apr. 26 1871 to Feb. 2. 1886
- Series B. B₁ to B₄₃ contain Circle Readings for both Fundamental and Zone stars.
There were no observations made with the Meridian Circle from Jan 9 1882 to Dec. 4. 1882
- Series B. B₁ to B₉ Jan. 30 1877 to June 26 1884.
- Series C. C₁ to C₂₈ Nov. 1 1870 to Aug. 9 1884.
- Series D. D₁ to D₃₃ Nov. 10 1870 to July 26 1884.
- Series E. E₁ to E₁₀ Feb. 12 1879 to Feb. 2 1886.
- Series F. F₁ to F₁₀₂ Nov. 10 1870 to Apr. 27 1885.
- Series G. G₁ to G₉ Feb. 12 1879 to Aug. 9 1884
- Series H. H₁ to H₄₉ Nov. 10 1870 to Feb. 1 1886.
- Series I. I₁ to I₇ Nov. 10 1870 to Feb. 1 1886
- Series J. J₁ to J₃₀ June 22 1870 to Aug. 11 1884
- Series K. K₁ to K₂₉ For contents see page 5.
- Series L. L₁ to L₁₂ May 1 1877 to July 8 1885
- Series M. M₁ to M₄₂ For contents see pages 6 and 7.

N N₁ to N₅ 1879 to 1881 Rereadings of Chronograph
Sheets for Stars (Absolute Work) for Sun Feb 15 to Sept 5 1879
(lists of stars ^{to be re-read with} & rec'd from Waterville (Ms))

P₁ to P₁₀ Miscellaneous (old records) for the most
part Elements & Ephemerides of Asteroids 109 + 112
Delicatas & Iphigenia

find all computing

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notes Mar 1901

D34,35 July 28 1884 to Jan 8 1885 do not find 217 Mining, July 1902

do not find 99 Mining "
 " " 97 Mining "

767-92 were received from Waterville, ^{and} 89-92 ^{and}
 were blank, but no numbers 93 94 or 95,
 possibly they were left for unread Chrono-
 graph sheets?

also not received 217. 99 or 97, see
 Note Bk A.M. for lists received. 1/22 + 27

I gave Reductions of absolute work Ch. readings
 1879-80 + dates of obs in horizontal columns.
 794? It was unnumbered when rec'd.

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1870phae.proj..416R

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