

Survey commenced Dec. 20th 1893 with a Reuleaux
Improved Solar Compass in perfect adjustment

At the Standard corner to Tps. 26 R. 3043/6
in lat. 1

I observe Polaris at 6^{h.} 3^{m.} by local
mean time & find the magnetic
bearing of the star to be N. 17.02 W.

local mean time of obs. h. m.
6. 3

Tabular time U. C. of Polaris 7. 40.6
Dec. 15

Diff. for 4 days 15.8

Local time U. C. of Polaris Dec. 19. 7. 24.8

Subtract from

Hour angle of Polaris 22. 38. 2

Subtract from 23. 56.

1. 17. 8

Azimuth 0° 33' 6".

N. End of needle 17. 02' W.

The sum is the Variation 17. 35 6