

# 456 Wisconsin Historical Collections [vol. iv

Mean result of 9 observations on the Star Alpha ANDROMEDÆ East, (at 20h. 43m.).....	h. m. s. +1 15 40.34
Mean result of 16 observations on the Star Alpha CORONÆ BOREALIS, West, (at 18h. 07m.) as above.....	+1 15 38.78

1st Result: CHRONOMETER ERROR.—Fast of sidereal time by a mean of these results, from East and West Stars, (at 10h. 25m.)..... +1 15 39.56

1858, July 13th.—Same Station.

2d Set.—Stars Alpha CYGNI, East, and Alpha BOOTIS and Alpha LYRÆ, West.

NAMES OF STARS.	Observed true altitudes of Star affected by corrections for refraction and errors of Sextant.	True Sidereal time of observation deduced.	Time of observation noted by Sidereal Chronometer, No. 2,557.	Chronometer No. 2,557, fast of Sidereal time by each observation
Alpha CYGNI, East ....	° ' "	h. m. s.	h. m. s.	h. m. s.
	50 25 11.4	16 52 35.9	18 08 15	1 15 39.1
	51 13 45.0	16.57 23.13	18 13 01.9	1 15 38.77
	51 47 53.5	17 00 44.59	18 16 23.5	1 15 38.91
	53 09 25.6	17 08 44.11	18 24 24	1 15 39.89
	53 47 01.4	17 12 24.49	18 28 03.7	1 15 39.21
	54 01 02.0	17 13 46.50	18 29 26.4	1 15 39.90
	54 10 17.2	17 14 40.63	18 30 19.9	1 15 39.27
	54 20 42.4	17 15 41.56	18 31 21	1 15 39.44
	54 34 42.8	17 17 03.41	18 32 43.6	1 15 40.19
	54 55 48.3	17 19 06.55	18 34 46	1 15 39.45
	55 10 38.7	17 20 33.11	18 36 12.5	1 15 39.39
	56 15 25.1	17 26 50.19	18 42 29.9	1 15 39.71

Mean result of 12 observations on Alpha CYGNI, East, (at 17h. 10m.)..... +1 15 39.43

Alpha BOOTIS, (Arcturus,) West .....	° ' "	h. m. s.	h. m. s.	h. m. s.
	41 40 32.7	17 33 15.65	18 48 55.4	1 15 39.75
	41 19 29.4	17 35 13.34	18 50 52.5	1 15 39.16
	41 05 08.9	17 36 33.41	18 52 12.8	1 15 39.39
	40 49 50.7	17 37 58.75	18 53 38	1 15 39.25
	40 28 37.4	17 39 56.98	18 55 36.8	1 15 39.82
	40 01 01.3	17 42 30.51	18 58 10.4	1 15 39.89
	39 36 35.4	17 44 46.22	19 00 26.2	1 15 39.98

Mean result of 7 observations on the Star Alpha BOOTIS, West, (at 17h. 39m.)..... +1 15 39.60