

Observations for the Time.

July 6th, 1858.—At Milwaukee Station No. 3.

First Set.—Before exchanging Signals with Chicago.

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 LYRÆ, (Vega), East	° ' "	h. m. s.	h. m. s.	h. m. s.
	55 55 27.6	15 31 16.22	16 33 18	1 02 01.78
	56 10 52.9	15 32 41.50	16 34 42.5	1 02 01.00
	56 27 55.8	15 34 15.74	16 36 17	1 02 01.26
	56 43 26.2	15 35 41.41	16 37 41.9	1 02 00.49
	57 09 51.8	15 38 07.32	16 40 08.5	1 02 01.18
	57 30 14.8	15 39 59.77	16 42 01.4	1 02 01.67
	57 40 47.6	15 40 57.96	16 42 59.5	1 02 00.54
	57 55 35.4	15 42 18.55	16 44 20	1 02 00.45
	58 04 55.7	15 43 11.02	16 45 11.8	1 02 00.78
	58 16 15.9	15 44 13.49	16 46 14.6	1 02 01.11
	58 44 51.2	15 46 50.94	16 48 52.1	1 02 01.16
	58 56 36.7	15 47 54.67	16 49 56.5	1 02 01.83

Mean result of 12 observations on Alpha LYRÆ, East, (at 15h. 39m.) h. m. s. +1 02 01.19

Alpha BOOTIS, (Arcturus,) West.....	° ' "	h. m. s.	h. m. s.	h. m. s.
	58 16 45.8	15 52 50.54	16 54 50.5	1 01 59.96
	58 08 10.6	15 53 50.54	16 55 50.5	1 01 59.96
	57 54 10.4	15 55 27.81	16 57 28.1	1 02 00.29
	57 43 55.2	15 56 38.54	16 58 38.5	1 01 59.96
	57 16 47.0	15 59 44.1	17 01 44	1 01 59.9
	57 02 09.3	16 01 22.87	17 03 23	1 02 00.13
	56 42 01.2	16 03 37.93	17 05 37.9	1 01 59.97
	56 28 06.0	16 05 10.59	17 07 10.8	1 02 00.21
	56 15 35.7	16 06 33.35	17 08 33.9	1 02 00.55
	56 03 53	16 07 50.46	17 09 51	1 02 00.54
	55 52 57.6	16 09 02.06	17 11 02	1 01 59.94
	55 32 02.2	16 11 18.34	17 13 18.8	1 02 00.46
	54 56 06.2	16 15 09.93	17 17 10	1 02 00.07

Mean result of 13 observations on the Star Alpha BOOTIS, West, (at 16h. 04m.) h. m. s. +1 02 00.15

Mean result of 12 observations on the Star Alpha LYRÆ, East, (at 15h. 39m.) as above +1 02 01.19

First result, before signals:—Fast of Sidereal time by a mean of these results, from E. and W. Stars, (at 15h. 52m.) +1 02 00.67