

Still later watching was necessary, as will presently appear, to obtain the desired observations for the *Time* at this Station.

By thus persevering we think we have obtained a satisfactory determination of the latitude and longitude of this Prairie du Chien Station.

II.—Observations for the time.

1858, *July 13.*—PRAIRIE DU CHIEN STATION.

1st Set.—Stars *Alpha CORONÆ BOREALIS, West, and Alpha ANDROMEDÆ, East.*

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
<i>Alpha CORONÆ BOREALIS, West</i>	° ' "	<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>
	57 39 47	17 48 25.91	19 04 04.5	1 15 38.59
	57 27 31.8	17 49 36.28	19 05 14.5	1 15 38.22
	56 43 30.9	17 53 48.11	19 09 27	1 15 38.89
	56 31 05.5	17 54 58.95	19 10 37.3	1 15 38.35
	56 16 07.7	17 56 24.17	19 12 03	1 15 38.83
	56 02 57.4	17 57 38.98	19 13 17.9	1 15 38.92
	55 51 09.6	17 58 45.93	19 14 25	1 15 39.07
	55 23 18.9	18 01 23.61	19 17 01.9	1 15 38.29
	55 13 08.7	18 02 21.09	19 18 00.5	1 15 39.41
	54 44 37.9	18 05 01.95	19 20 40.6	1 15 38.65
	54 36 12.7	18 05 49.36	19 21 28.7	1 15 39.34
	54 27 40.0	18 06 37.45	19 22 15.9	1 15 38.45
	52 56 35.2	18 15 07.83	19 30 46.3	1 15 38.47
	52 43 44.8	18 16 19.49	19 31 58.8	1 15 39.31
	52 04 38.7	18 19 57.34	19 35 36.0	1 15 38.66
	51 01 09.5	18 25 49.92	19 41 28.9	1 15 38.98

Mean result of 16 observations on *Alpha CORONÆ BOREALIS, West (at 18h. 07m.)*..... *h. m. s.*
1 15 38.78

<i>Alpha ANDROMEDÆ, East</i>	° ' "	<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>
	46 25 34.1	20 35 12.49	21 50 52.6	1 15 40.11
	46 39 54.4	20 36 31.02	21 52 10.8	1 15 39.78
	46 50 52.2	20 37 31.08	21 53 11.7	1 15 40.62
	47 04 35.1	20 38 46.22	21 54 26.4	1 15 40.18
	47 15 55.5	20 39 48.37	21 55 28.9	1 15 40.53
	47 37 53.7	20 41 48.79	21 57 29.2	1 15 40.41
	48 17 57.4	20 45 28.51	22 01 08.9	1 15 40.39
	48 45 50.7	20 48 01.58	22 03 41.8	1 15 40.22
	49 27 29.4	20 51 50.35	22 07 31.2	1 15 40.85