

2d.—Milwaukee Signals recorded at both Stations.

Times of signals given at Milwaukee by Sideral Chronometer No. 2,557.	Chronometer No. 2,557, fast of Milwaukee Side-real time.	Times of Milwaukee signals as noted at Chicago by means Solar Chronometer No. 141.	Chronometer No. 141 slow of Chicago mean Solar time.	Chicago correct mean Solar time of Milwaukee signals.	Chicago correct Sideral time of Milwaukee signals.	Milwaukee correct Side-real time of Milwaukee signals.	Difference of Longitude by each signal.—Milwaukee, West of the meridian of Chicago Station No. 3.
<i>h. m. s.</i> 18 35 25 18 38 25.5 18 41 26 18 44 26.5	<i>h. m. s.</i> 1 01 32.53 1 01 32.54 1 01 32.56 1 01 32.57	<i>h. m. s.</i> 10 50 22 10 53 22 10 56 22 10 59 22	<i>m. s.</i> 4 52.25 4 52.25 4 52.25 4 52.25	<i>h. m. s.</i> 10 55 14.25 10 58 14.25 11 01 14.25 11 04 14.25	<i>h. m. s.</i> 17 34 59.01 17 37 59.50 17 40 59.99 17 44 00.48	<i>h. m. s.</i> 17 33 52.47 17 36 52.96 17 39 53.44 17 42 53.93	<i>h. m. s.</i> 0 01 06.54 0 01 06.54 0 01 06.55 0 01 06.55

2d Mean.—Electric Signals transmitted from Milwaukee to Chicago 0 01 06.54
 1st Mean.—Electric Signals transmitted from Chicago to Milwaukee, as above..... 0 01 06.54

Result—Milwaukee Station No. 2, West, in longitude of Chicago, observing station No. 3, by a mean of the two sets of signals +0 01 06.54