

	<i>h. m. s.</i>
Brought forward.....	+0 01 06.54
Reduction to the steeple of the Roman Catholic Church on Jackson street.....	-0.21
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The said steeple is west of the meridian of Chicago Station No. 3.....	+0 01 06.33
Longitude of Chicago Station No. 3.....	+5 50 31.2
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2d Determination.

Longitude of the said steeple west of the meridian of Greenwich	5 51 37.53
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I was obliged to remain at Milwaukee on the 2d, and until the time for the afternoon train of cars of the 3d of July. The night of the 2d was cloudy and rainy, and no observations could be made. The day time of the 3d was clear, so I determined to try the result of a third series of telegraphic signals for the difference of longitude of these two places, resting the Milwaukee time on a set of equal altitudes of the sun, observed with the Sextant and Artificial Horizon, A. M. and P. M.

For these day-observations I was obliged to seek a more quiet place than either station No. 1, or No. 2, where there was so much motion from passing carriages, drays, &c. as to keep the horizon of quicksilver constantly agitated.

I therefore occupied Station No. 3, in a vacant lot to the north-east of the intersection of Jackson and Martin streets.

The steeple of the Church before mentioned, on Jackson street, is 890 feet south of the parallel, and 38 feet west of the meridian of this station. Hence the reduction from this station No. 3, to the said church steeple, is $-8.8''$ in latitude, and $+0.512''$ of arc, $= +0.034s.$ of time, in longitude.

The equal altitudes of the sun were observed, and gave the time as follows, viz.: