

1858, July 3d—At Milwaukee Observing Station, No. 3.
Equal Altitudes of the Sun, a. m. and p. m.

Observed double altitudes of the sun's upper and lower limbs.	Times by Sidereal Chronometer No. 2,557, of equal altitudes of the sun.		Elapsed Sidereal time.	Equation of equal altitudes in Sidereal time.	Time by Chronometer of apparent noon.	Sidereal time of apparent noon.	Chronometer No. 2,557 fast of Sidereal time at apparent noon.
	A. M.	P. M.					
Upper limb .. 106 09 50	<i>h. m. s.</i> 5 18 55.8	<i>h. m. s.</i> 10 23 45.6	<i>h. m.</i> 5 05	<i>s.</i> +2.03	<i>h. m. s.</i> 7 51 22.73	<i>h. m. s.</i> 6 49 42.19	<i>h. m. s.</i> 1 01 40.54
Upper limb .. 106 58 10	5 21 17.9	10 21 23.8	5 00	+2.00	7 51 22.85	1 01 40.66
Lower limb .. 110 23 10	5 34 34.4	10 08 07.6	4 33	+1.93	7 51 22.97	1 01 40.78
Upper limb .. 115 28 10	5 46 56.8	9 55 45.9	4 09	+1.89	7 51 23.24	1 01 41.05
Lower limb .. 115 28 10	5 50 12.3	9 52 29.6	4 02	+1.85	7 51 22.80	1 01 40.61

Result.—Chronometer No. 2,557, fast of Sidereal time for the Milwaukee observing station No. 3, at apparent noon (say at 6*A.* 50*m.* Sidereal time) of July 3d, 1858, by a mean of five pairs of equal altitudes of the sun +1 01 40.73