

1858, July 6th, MILWAUKEE Station, No. 3.

## Observations for latitude and longitude—(Continued.)

1st.—Altitudes of *Polaris*, North.

Number for Reference.	True sidereal time of observation.	Meridian distances in sidereal time.	True observed altitudes corrected for refraction, and errors of sextant.	Latitude, deduced from each observation.
	<i>h. m. s.</i>	<i>h. m. s.</i>	° ' "	° ' "
1	18 34 24.2	17 27 10.7	42 49 20.4	43 02 45.0
2	18 35 58.1	17 28 44.6	42 49 42.9	43 02 32.4
3	18 37 23.2	17 30 09.7	42 50 17.9	43 02 35.5
4	18 39 04.3	17 31 50.8	42 51 03.9	43 02 42.7
5	18 41 25.5	17 34 12.0	42 52 00.0	43 02 47.1
6	18 45 57.7	17 38 44.2	42 53 25.5	43 02 29.8
7	18 47 21.2	17 40 07.7	42 54 10.6	43 02 43.3
8	18 49 57.0	17 42 43.5	42 55 08.1	43 02 42.0
9	18 52 08.2	17 44 54.7	42 55 50.6	43 02 35.8
10	18 53 24.0	17 46 10.5	42 56 20.6	43 02 36.3
11	18 55 01.1	17 47 47.6	42 57 00.7	43 02 39.7
12	18 57 58.2	17 50 44.7	42 58 10.7	43 02 42.7
13	18 59 52.7	17 52 39.2	42 58 45.7	43 02 34.3
14	19 01 13.9	17 54 00.4	42 59 23.2	43 02 41.1
15	19 02 36.4	17 55 22.9	42 59 55.8	43 02 42.4
16	19 04 29.2	17 57 15.7	43 00 35.8	43 02 39.7
17	19 06 13.1	17 58 59.6	43 01 10.8	43 02 35.3

LATITUDE—deduced from a mean of 17 altitudes of Star *Polaris*, North ..... 43 02 39.12