

gitude  $87^{\circ} 57'$  W. of the meridian of Greenwich, which is an error, in geographical position, of two and fifty-five hundredths (2.55) miles on an azimuthal course of  $N. 58^{\circ} 06' 19''$  W. from its true position.

## II.—PRAIRIE DU CHIEN.

*Station.*—Our observing station here was at the western terminus of the Milwaukee and Mississippi rail-road, on the left or eastern bank of the Mississippi river. The point of observation is 122 feet north of the front door of the telegraph office attached to the rail-road depot here.

### 1.—Observations for the latitude.

1858.—*July 13th.*—1st. Observations on the Star POLARIS, (*Alpha Ursæ Minoris,*) North.

Number for Reference.	True Sidereal time of observation.	Meridian distances in Sidereal time.	Observed true altitudes corrected for refraction and errors of Sextant.	Latitude, deduced from each observation.
	<i>h. m. s.</i>	<i>h. m. s.</i>	$^{\circ} \quad ' \quad ''$	$^{\circ} \quad ' \quad ''$
1	20 05 54.0	18 58 34.5	43 23 05.8	43 02 05.2
2	20 07 19.8	19 00 00.3	43 23 28.3	43 01 56.1
3	20 09 33.4	19 02 13.9	43 24 30.8	43 02 09.4
4	20 11 22.5	19 04 03.0	43 25 03.4	43 02 01.9
5	20 13 26.5	19 06 07.0	43 25 53.4	43 02 06.5
6	20 15 02.5	19 07 43.0	43 26 33.4	43 02 11.4
7	20 17 00.5	19 10 01.0	43 27 28.5	43 02 16.2
8	20 19 15.5	19 11 56.0	43 28 03.5	43 02 09.3
9	20 25 15.5	19 17 56.0	43 30 08.5	43 02 04.1
10	20 31 37.5	19 24 18.0	43 32 38.6	43 02 17.2

Latitude, deduced from a mean of 10 altitudes of Star POLARIS, North .....  $43^{\circ} 02' 07.73''$