

*At mouth of Pelican river, September 14, 1849.*For latitude.—Double altitudes  $\eta$  Ursa Majoris, west of meridian.

<i>h.</i>	<i>min.</i>	<i>sec.</i>	<i>Deg.</i>	<i>min.</i>	<i>sec.</i>
6	43	45	75	38	30
6	45	12	75	12	45
5	47	29	74	37	15
6	49	1	74	10	15
6	50	12	73	53	45
6	51	40	73	27	15

Latitude deduced, 46 deg. 20 min. 9.5 sec.  
Index error, 2 min. 7 sec.*Same place and night, September 14, 1849.*

	<i>Deg.</i>	<i>min.</i>	<i>sec.</i>
Double meridian altitude of $\alpha$ Aquila.....	104	24	30
Latitude deduced.....	46	18	53
Mean of results for two stars.....	46	18	58.3

*Camp of September 15, 1849.*

For latitude.

	<i>Deg.</i>	<i>min.</i>	<i>sec.</i>
Double meridian altitude of $\alpha$ Aquila, (Altair).....	104	23	30
Index error.....	0	2	7
Latitude deduced.....	46	19	23

*A point within eight miles of southwestern extremity of Ottertail lake.*

For time.—Double altitudes of sun's upper limb.

<i>h.</i>	<i>min.</i>	<i>sec.</i>	<i>Deg.</i>	<i>min.</i>	<i>sec.</i>
9	15	56	81	30	45
9	16	33	81	40	45
9	17	3	81	46	15
9	17	32	81	52	15
9	18	0	81	57	30
9	18	36	82	4	15
9	19	9	82	9	30
9	19	34	82	13	15
9	20	2	82	20	30
9	20	32	82	26	30
9	22	2	82	39	30

Longitude in arc, 95 deg. 39 min. 11 sec.

Mouth of Crow Wing river, latitude 46° 16' 50"; longitude 94° 22' 45"..... Nicollet.