

RECONNAISSANCE OF THE YUKON RIVER.

LONGITUDE BY MOON-CULMINATION.

FORT YUKON, August, 1899.

Date.	No. of culmi- nations em- ployed.	Deduced A. R. of moon's H.	Greenwich si- deral time.	Longitude.
1899.		<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>
August 21	1	22 19 34.980	32 00 46.10	9 41 11.71
August 22	5	24 07 27.245	32 48 21.94	9 40 54.70
August 23	2	26 53 56.240	33 35 07.41	9 41 14.18

Rejected, see Part II, Chapter I, of the report.

LATITUDE BY TALCOTT'S METHOD.

FORT YUKON, August, 1899.

Zenith telescope, by Würdenmann—Sideral chronometer No. 24, by Bond & Son—Observer, Captain Charles W. Raymond, United States Engineers—Recorder, Mr. J. J. Major.

Date.	Star.		Time by chronometer.	Reading of in- strument.	Level.		Latitude.
	No. B. A. C.	N. or S.			N.	S.	
1899.			<i>h. m. s.</i>	<i>t. d.</i>			
August 14 ...	6976	S.	5 56 02.0	00 27.5	73.0	56.0	
	7005	N.	58 25.0	20 78.0	49.0	84.0	66 34 46.42
August 17	7438	N.	7 04 07.0	35 31.0	65.0	66.0	
	7545	S.	20 55.5	49 21.0	69.0	65.0	44.54
	7605	S.	7 29 36.5	40 85.1	67.0	68.0	
	7654	N.	35 37.5	37 09.4	65.0	70.0	16.44
August 18	6976	S.	5 56 42.0	48 39.0	53.0	70.0	
	7005	N.	57 41.0	27 24.5	72.0	51.5	46.69
	7453	S.	6 19 15.0	45 74.0	61.0	62.0	
	7478	N.	22 03.5	23 33.1	67.0	55.0	30.51
	7230	N.	6 26 59.0	28 56.1	62.0	62.0	
	7243	S.	31 04.5	48 98.6	57.0	67.0	39.57
	7230	N.	6 26 59.0	28 56.1	62.0	62.0	
	7294	S.	39 50.0	28 20.1	68.0	59.0	41 20 37
	7438	S.	7 02 03.5	32 63.0	66.0	65.0	
	7545	S.	20 18.0	45 52.1	61.0	74.0	04.25
	7708	S.	7 46 31.5	38 13.5	67.0	68.0	
	7758	S.	57 34.5	25 33.4	72.0	62.5	34 55.20
					x_0 66 34 46.87		