

2d.—Observations for the Time.

RACINE.—September 6th, 1858.—At the same Station.

NAMES OF STARS.	Observed true altitude of Star affected by corrections for refraction and errors of Sextant.			True Sidereal time of observation deduced.		Time of observation noted by Sidereal Chronometer, No. 2,557.		Chronometer No. 2,557 fast of Sidereal time by each observation	
	°	'	"	<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>	
Alpha CORONÆ BOREALIS, West	46	10	32	18 52 37.21	20 00 14.2	1 07 36.99			
	45	50	21.8	18 54 27.25	20 02 04.9	1 07 36.95			
	45	33	16 3	18 56 00.46	20 03 36.8	1 07 36.34			
	45	13	08.1	18 57 50.56	20 05 36.5	1 07 36.24			
	44	49	17.3	19 00 00.24	20 07 37.2	1 07 36.96			
	44	24	13.5	19 02 16.82	20 09 53.3	1 07 36.48			
	43	57	08	19 04 44.40	20 12 21	1 07 36.60			
	43	34	07.2	19 06 49.75	20 14 26.8	1 07 37.05			
	42	53	35 8	19 10 30.44	20 18 07	1 07 36.56			
	42	33	35	19 12 19.42	20 19 56.2	1 07 36.78			
	41	43	03.1	19 16 54.59	20 24 31.3	1 07 36.71			
	41	26	15	19 18 26.09	20 26 02.8	1 07 36.71			
	40	50	06.2	19 21 42.95	20 29 19.5	1 07 36.55			

Mean result of 13 observations on Alpha CORONÆ BOREALIS, *h. m. s.*
 West, (at 19*h.* 07*m.*) +1 07 36.69

Alpha ANDROMEDÆ, East	<i>h. m. s.</i>			<i>h. m. s.</i>		<i>h. m. s.</i>	
	°	'	"	<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>	<i>h. m. s.</i>
	43	03	50.8	20 16 50.81	21 24 27.7	1 07 36.89	
	43	20	43.9	20 18 22.77	21 25 59.6	1 07 36.83	
	43	48	29.9	20 20 53.98	21 28 30.8	1 07 36.82	
	44	08	33.1	20 22 43.18	21 30 20 3	1 07 37.12	
	44	30	28.9	20 24 42.60	21 32 20 0	1 07 37.40	
	45	18	13.0	20 29 02.55	21 36 39.7	1 07 37.15	
	45	47	49.0	20 31 43.76	21 39 21.3	1 07 37.54	
	46	12	32.3	20 33 58.43	21 41 35	1 07 36.57	
	46	28	52.8	20 35 27.46	21 43 05	1 07 37.54	

Mean result of 9 observations on the Star Alpha ANDROMEDÆ *h. m. s.*
 East, (at 20*h.* 26*m.*) +1 07 37.1

Mean result of 9 observations on the Star Alpha CORONÆ BOREALIS, West, (at 19*h.* 07*m.*) as above +1 07 36.69

CHRONOMETER ERROR.—Fast of Sidereal time, by a mean of these results, from East and West Stars, (at 19*h.* 46*m.*).... +1 07 36.90