

*Observations for Time, and resulting Chronometer corrections employed in determining Local Mean Time for the calculation of Longitude from Lunar Zenith Distances.*

Place of Observation.	Astronomical date.	Object observed.	E. or W. of Meridian	ELEMENTS EMPLOYED IN COMPUTATION OF REFRACTION.		No. of pairs of observations.	Mean of observed Z. Ds corrected for dislevelment.	Mean of Chronometer Times.	Computed correction to Chronometer Time to find corresponding Mean Time.
				Baro.	Ther.				
	1873.			In.	(Fahrts.)		° ' "	H. M. S.	H. M. S.
KASHGHAR (Yangi-Shahr.)	6th Dec. ...	$\gamma$ Geminorum ...	E.	25.7	24	3	53 8 29	10 8 32.0	-0 22 22.0
	" " ...	$\beta$ " ...	"	...	...	3	41 15 19	11 43 27.3	-0 22 21.6
	7th " ...	$\beta$ " ...	"	25.8	...	3	47 21 5	11 7 57.6	-0 22 19.2
	" " ...	$\alpha$ Leonis ...	"	...	15	3	66 7 53	12 40 2.6	-0 22 19.3
	27th " ...	$\alpha$ Androm. ...	W.	5.5	20	3	42 46 7	9 21 31.1	-0 22 19.2
	28th " ...	$\alpha$ Arietis ...	"	25.6	18	2	50 11 53	11 39 11.7	-0 22 20.7
	" " ...	$\alpha$ " ...	"	...	...	2	52 26 18	11 50 45.6	-0 22 20.1
	1874.								
	29th Jan. ...	$\beta$ Geminorum ...	E.	...	31	3	47 13 25	7 40 17.9	-0 22 22.0
	" " ...	$\alpha$ Leonis ...	"	...	16	3	49 40 49	10 38 33.6	-0 22 22.4
	31st " ...	$\alpha$ " ...	"	25.5	15	4	49 34 17	6 56 31.0	+3 12 25.5
	1873.								
YARKAND ...	8th Nov. ...	$\beta$ Tauri ...	E.	26.25	28	3	46 4 26	10 45 45.7	-0 18 25.7
	" " ...	$\beta$ Geminorum ...	"	...	...	3	48 57 41	12 50 17.0	-0 18 26.2
	9th " ...	" " ...	"	26.25	23	3	39 3 6	13 36 52.9	-0 18 23.2
	" " ...	" " ...	"	...	...	3	22 15 22	15 3 56.5	-0 18 22.6
	1874.								
TASHKURGHAN.	31st March.	$\alpha$ Bootis ( <i>Arcturus</i> ) ...	E.	20.2	23	3	58 51 15	9 10 99	+0 2 34.4
KILA PANJAH ...	24th April	$\beta$ Geminorum ...	W.	21.4	41	3	58 26 41	10 18 29.2	-0 10 5.2
	" " ...	$\alpha$ Leonis ( <i>Regulus</i> ) ...	"	...	...	4	55 26 9	11 45 13.2	-0 10 4.9