Observations of Lunar Zenith Distances and resulting determination of Long.—(concld.)

Place of Observation.	Astronomical date.	The Moon. E. or W. of Meridian.	The Moon. Upper or Lower Limb.	Mean of each pair of observed Z. Ds corrected for dislevelment.	Mean of Chronometer Times.	Resulting Longitude. Value from each pair of observations.	Resulting Longitude. Mean of each day's observations.	Approx. sidereal time of observations.
				° ′ ″	*H. M. S.*	*H. M. S.*	*H. M. S.*	*H. M.*
YARKAND ... Station of observation in the Embassy Quarters in the centre of the Yangi-Shahr or New City.	9th Nov. 1873.	E.	L.	38 17 7	13 36 28·9	5 8 52		
				37 25 58	40 58·1	9 11		
				36 35 26	45 25·9	8 55	5 9 1	5 15
				35 39 54	50 19·5	9 7		
				31 57 45	14 10 4·3	9 8		
				31 6 19	14 41·2	9 2		
				30 6 53	20 2·9	8 50		
				29 11 7	25 5·8	9 1		
	Arithmetical mean of longitude from three days' observations* ...						*H.* 5 *M.* 9 *S.* 16	
							° or ′ ″	
							77 19 0	
	Final longitude adopted for Yarkand, *vide* body of Report ...						° ′ ″ 77 15 55	
TASHKURGHAN... Station of observation about 300 yards to the east of the Fort.	31st March 1874.	E.	U.	61 44 7	7 27 42·3	5 2 16	*H.*	
				60 37 23	33 51·1	2 4		
				59 59 7	37 24·3	1 44	5 1 36	8 15
				59 16 52	41 20·9	1 26	or	
				58 4 33	48 7·2	1 7	° ′ ″	
				57 17 40	52 32·7	1 1	75 24 0	
	Which gives the Astronomical longitude from one night's observations.							
							° ′ ″	
	Final longitude adopted for Tashkurghan, *vide* body of Report ...						75 19 1	
KILA PANJAH ... Station of observation about 300 yards to south of principal Fort of Kila Panjah.	24th April 1874.	W.	L.	44 0 53	10 23 21·7	4 50 55	*H.*	
				45 13 15	31 0·5	51 17		
				46 15 41	34 53·5	51 7	4 51 2	13 0
				47 3 46	38 59·7	51 2	or	
				50 52 43	58 28·8	50 43	° ′ ″	
				51 40 43	11 2 32·8	50 57	72 45 30	
				52 24 10	6 13·8	51 8		
				53 3 42	9 34·9	51 9		
				55 9 16	20 14·1	50 56		
	Which gives the Astronomical longitude from one night's observations.†							
							° ′ ″	
	Final longitude adopted for Kila Panjah, *vide* Geographical Chapter.						72 45 29	

* Observations were also taken at Yarkand on three other nights, when the moon was so unfavorably situated that these have not been employed.

† Observations were made on another night at Kila Panjah, but it appeared from the resulting time computations that the chronometer employed had been going irregularly.