

TABLE 2.—LEVEL ERROR OF THE TRANSIT INSTRUMENT, MOUNT COOK OBSERVATORY—continued.

TABLE OF MEANS.

NOTE.—These mean values were used in reducing the observations.

Date.	Sid. Time of Level Determination.	Clamp.	Level Error corrected for Inequality of Pivots.	Date.	Sid. Time of Level Determination.	Clamp.	Level Error corrected for Inequality of Pivots.
1883.	H. M.		"	1883.	H. M.		"
Dec. 3 ...	0 27	E.	+ 2·06	Dec. 15 ...	5 27	E.	+ 3·15
" 3 ...	1 35	W.	+ 2·08	" 15 ...	6 28	E.	+ 1·82
" 5 ...	1 20	W.	+ 3·52	" 15 ...	7 15	W.	+ 1·84
" 5 ...	2 37	E.	+ 2·86	" 16 ...	1 50	E.	+ 1·96
" 5 ...	6 13	W.	+ 2·03	" 16 ...	3 54	W.	+ 2·20
" 9 ...	0 42	E.	+ 3·91	" 17 ...	1 32	E.	+ 2·56
" 9 ...	1 32	W.	+ 3·58	" 17 ...	2 14	W.	+ 1·22
" 9 ...	2 22	E.	+ 3·91	" 18 ...	1 45	E.	+ 1·75
" 14 ...	1 20	E.	+ 3·58	" 18 ...	2 51	W.	+ 2·03
" 14 ...	2 17	W.	+ 2·70	" 18 ...	4 52	E.	+ 1·86
" 14 ...	3 38	E.	+ 2·43	1884.			
" 15 ...	1 16	W.	+ 2·49	Jan. 11 ...	3 04	W.	+ 1·66
" 15 ...	1 53	E.	+ 2·05	" 11 ...	3 38	E.	+ 1·62
" 15 ...	2 34	W.	+ 3·04	" 11 ...	4 15	W.	+ 2·58
" 15 ...	3 05	E.	+ 4·18				

TABLE 3.

AZIMUTH ERROR OF THE TRANSIT INSTRUMENT AT MOUNT COOK OBSERVATORY, WELLINGTON, NEW ZEALAND.

NOTE.—The sign + signifies that the optic axis points E. of N.

Date.	Sid. Time of Obs.	Stars observed (and Number of Wires).	Clamp.	Apparent Error of Azimuth.	Remarks.
1883.	H. M.				
Dec. 3	0 15	β Cham. S.P. (7) and β Hydri (8) ...	E. W.	+ ·68	
"	3	1 10 β Andromedæ (7) and θ Ceti ...	W. E.	+ 5·81	
"	3	1 29 η Piscium and α Eridani (Achernar) ...	W.	— ·75	
"	3	1 52 β Arietis and β Centauri S.P. (3) ...	W.	— 2·21	
		Least Squares ...		+ ·56	Adopted.
"	4	0 15 β Cham. S.P. (8) and β Hydri (8) ...	W. E.	+ 1·34	Adopted.
			E. W.		
"	5	0 38 β Hydri (1) and ϵ Piscium (7) ...	W.	— ·33	
"	5	1 29 η Piscium and α Eridani (Achernar) (8) ...	W.	+ 2·47	
"	5	1 36 α Eridani (Achernar) (8) and σ Piscium ...	W.	+ ·68	
"	5	2 06 α Arietis (8) and δ Ceti (4) ...	E.	+ 1·85	
"	5	5 14 β Orionis (Rigel) and β Tauri ...	E.	+ 3·43	
"	5	6 15 η Geminorum and α Argûs (Canopus) (8) ...	W.	— 2·09	
"	5	6 23 μ Geminorum (5) and σ Octantis S.P. (7) ...	W.	— ·57	
		Least Squares ...		— ·36	Adopted.
"	9	0 29 β Hydri (8) and β Ceti ...	W. E.	— ·32	
			E.		
"	9	1 29 η Piscium and α Eridani (Achernar) ...	W.	+ ·97	
"	9	1 52 β Arietis and β Centauri S.P. ...	W.	+ 4·26	
"	9	1 58 β Centauri S.P. and α Arietis ...	W.	+ 2·62	
		Least Squares ...		— ·03	Adopted.
"	14	1 10 β Andromedæ (7) and θ Ceti ...	E.	+ 3·26	
"	14	1 29 η Piscium and α Eridani (Achernar) (8) ...	E.	+ ·22	
"	14	1 34 α Eridani (Achernar) (8) and ν Piscium (8) ...	E.	+ ·48	
"	14	3 27 δ Arietis and γ Hydri ...	E.	+ 4·02	
"	14	3 53 γ Hydri and Λ Tauri ...	E.	+ 3·71	
		Least Squares ...		+ 2·87	Adopted.