

TABLE 4.

MERIDIONAL TRANSITS OF STARS OBSERVED AT MOUNT COOK OBSERVATORY, WELLINGTON,
NEW ZEALAND, AND INFERRED ERROR OF THE TRANSIT CLOCK.

Date.	Stars observed and (Number of Wires).	Clamp.	Clock Time of Transit over the Mean Wire.	Seconds of True Transit over the Meridian.	Seconds of Stars assumed apparent. R.A.	Clock apparently Slow.
1883.			H. M. S.	S.	S.	S.
Dec. 3	α Andromedæ ...	...	E. 0 02 21.58	21.25	24.56	3.31
" 3	β Chamæleontis (7) ...	S.P. E. W.	0 11 31.84	31.63	34.88	3.25
" 3	β Hydri (8) ...	W. E.	0 19 34.54	35.04	38.23	3.19
" 3	δ Piscium (8) ...	...	E. 0 42 37.50	37.24	40.66	3.42
" 3	ϵ Piscium ...	...	E. 0 56 53.11	52.85	56.45	3.60
" 3	β Andromedæ (7) ...	...	W. 1 03 11.82	12.31	15.88	3.57
" 3	θ Ceti ...	...	W. 1 18 10.66	11.15	14.48	3.33
" 3	η Piscium ...	...	W. 1 25 13.98	14.44	17.84	3.40
" 3	α Eridani (Achernar) ...	...	W. 1 33 20.16	21.03	24.55	3.52
" 3	β Arietis ...	...	W. 1 48 11.47	11.93	15.37	3.44
" 3	β Centauri (3) ...	S.P. W.	1 55 35.38	34.73	37.98	3.25
" 4	β Chamæleontis (8) ...	S.P. W. E.	0 11 31.17	31.32	35.00	3.68
" 4	β Hydri (8) ...	E. W.	0 19 34.30	34.47	38.14	3.67
" 5	β Hydri (1) ...	...	W. 0 19 31.84	34.30	38.05	3.75
" 5	ϵ Piscium (7) ...	...	W. 0 56 52.22	52.67	56.43	3.76
" 5	θ Ceti (8) ...	...	W. 1 18 10.28	10.78	14.46	3.68
" 5	η Piscium ...	...	W. 1 25 13.73	14.16	17.83	3.67
" 5	α Eridani (Achernar) (8) ...	...	W. 1 33 20.07	21.09	24.50	3.41
" 5	ν Piscium (5) ...	...	W. 1 35 20.92	21.37	24.32	3.45
" 5	$\circ$ Piscium ...	...	W. 1 39 13.39	13.83	17.33	3.50
" 5	β Arietis ...	...	E. 1 48 11.67	11.38	15.36	3.98
" 5	α Arietis (8) ...	...	E. 2 00 36.23	35.93	39.61	3.68
" 5	67 Ceti (4) ...	...	E. 2 11 09.61	09.41	13.03	3.62
" 5	ξ^2 Ceti (2) ...	...	E. 2 21 57.53	57.29	00.88	3.59
" 5	α^2 Centauri (8) ...	S.P. E.	2 31 39.19	39.75	42.24	2.49
" 5	γ^2 Ceti ...	...	E. 2 37 15.27	15.04	18.75	3.71
" 5	Exchange of Time-signals with Sydney.					
" 5	β Orionis (Rigel) ...	...	E. 5 08 55.77	55.57	59.36	3.79
" 5	β Tauri ...	...	E. 5 18 55.89	55.54	59.47	3.93
" 5	δ Orionis ...	...	E. 5 26 02.84	02.61	06.41	3.80
" 5	α Columbæ ...	...	E. 5 35 25.09	24.91	28.64	3.73
" 5	κ Orionis ...	...	E. 5 42 13.31	13.12	16.86	3.74
" 5	α Orionis (7) ...	...	W. 5 48 50.64	51.02	55.10	4.08
" 5	ν Orionis ...	...	W. 6 00 54.36	54.74	58.58	3.84
" 5	η Geminorum ...	...	W. 6 07 50.06	50.43	54.21	3.78
" 5	μ Geminorum (5) ...	...	W. 6 15 53.73	54.10	58.25	4.15
" 5	α Argûs (Canopus) (8) ...	...	W. 6 21 20.17	20.91	24.84	3.93
" 5	σ Octantis (7) ...	S.P. W.	6 30 31.59	03.68	07.02	3.34
" 9	β Hydri (8) ...	...	W. E. 0 19 31.56	32.65	37.68	5.03
" 9	β Ceti ...	...	E. 0 37 41.62	41.61	46.58	4.97
" 9	δ Piscium (8) ...	...	E. 0 42 35.82	35.75	40.60	4.85
" 9	ϵ Piscium ...	...	E. 0 56 51.44	51.37	56.40	5.03
" 9	β Andromedæ ...	...	E. 1 03 10.89	10.67	15.82	5.15
" 9	θ Ceti ...	...	W. 1 18 09.06	09.47	14.43	4.96
" 9	η Piscium ...	...	W. 1 25 12.40	12.75	17.80	5.05
" 9	α Eridani (Achernar) ...	...	W. 1 33 18.62	19.44	24.40	4.96
" 9	β Arietis ...	...	W. 1 48 10.10	10.44	15.34	4.90
" 9	β Centauri ...	S.P. W.	1 55 33.54	33.04	38.23	5.19
" 9	α Arietis ...	...	W. 2 00 34.24	34.57	39.59	5.02
" 9	67 Ceti ...	...	W. 2 11 07.58	07.99	13.01	5.02
" 9	ξ^2 Ceti ...	...	E. 2 21 55.98	55.90	00.87	4.97
" 9	α^2 Centauri ...	S.P. E.	2 31 37.34	37.71	42.38	4.67
" 14	β Andromedæ (7) ...	...	E. 1 03 10.51	10.38	15.76	5.38
" 14	θ Ceti ...	...	E. 1 18 09.07	09.07	14.38	5.37
" 14	η Piscium ...	...	E. 1 25 12.46	12.39	17.75	5.36
" 14	α Eridani (Achernar) (8) ...	...	E. 1 33 19.00	18.66	24.26	5.60
" 14	ν Piscium (8) ...	...	E. 1 35 19.41	19.35	24.75	5.40
" 14	$\circ$ Piscium ...	...	E. 1 39 11.91	11.85	17.27	5.42
" 14	β Arietis (8) ...	...	W. 1 48 09.19	09.80	15.30	5.50
" 14	α Arietis ...	...	W. 2 00 33.36	33.98	39.55	5.57