

The following is an abstract of the observations for time.—

Date.	Star.	Corrected Clock. Time of Transit.	R. A.	Clock slow. Observed.	Calcd.	O-C.
Nov. 29	δ Draconis	h. m. s. 13 55 34.63	h. m. s. 19 12 29.11	h. m. s. 5 16 54.48	54.42	0.06
	γ Aquilæ	14 23 46.82	19 40 41.38	54.56	54.48	0.08
	α "	14 28 9.61	19 45 4.04	54.43	54.49	-0.06
Dec. 2	Sun	11 22 40.61	16 39 47.28	5 17 0.67	6.58	0.09
" 3	α Ophiuchi	12 12 22.72	17 29 23.32	6.00	6.59	- 09
" 4	γ_2 Ursæ maj.	10 8 38.12	15 20 50.48	12.31	12.23	.08
	α Cor. Bor.	10 12 30.71	15 29 42.99	12.28	.24	.04
	α Serpentis	10 21 17.41	15 38 29.54	12.13	.26	- .13
	η Draconis	11 5 9.40	16 22 21.78	12.38	.83	.05
" 5	η Draconis	11 5 1.08	16 22 21.62	20.54	20.60	- .06
" 7	β "	12 10 25.05	17 27 45.35	20.30	.71	- .41
	γ "	12 36 31.13	17 48 51.48	20.35	.75	- .40
	γ Cygni	15 0 40.87	20 18 1.27	20.40	21.00	- .60
	α "	15 20 5.65	20 37 26.09	20.44	.03	- .59
	ν "	15 35 27.96	20 52 48.36	20.40	.06	- .6
	α Cephei	15 53 26.31	21 15 46.69	20.38	.10	- .72
	β Aquarii	16 8 3.50	21 25 23.92	20.42	.12	- .70
	μ Cephei	16 9 48.01	21 27 8.08	20.07	.12	-1.05
	ϵ Pegasi	16 21 5.94	21 38 26.46	20.52	.14	- .62

* Three wires only.

The large discordance between the observed and calculated errors on the 7th, I ascribe to the rapid fall of temperature when the slit of the transit room was opened, the thin rod of the pendulum taking up the temperature of the air much faster than the large mass of mercury in the bob.

In the interchange of time, Chronometer, Russell & Son's No. 7,050 was employed, and the following errors were obtained by comparison, by the method of simultaneous beat between it and the Sidereal Clock :—

	h.	m.	s.		s.
Dec. 4th	4	1	13.25	Slow	26.39
5th	22	35	24.		26.99
5th	4	55	35.25		27.04
5th	20	30	25.		26.58
6th	4	50	45.		26.38
6th	10	8	45.5		26.24
7th	5	10	55.		26.27
7th	22	26	47.5		27.10
13th	21	47	24.		31.56
15th	1	5	47.		31.08