

XIII.
 Latitud de Nogales.
 Método "Talcott."

Instrumentos.
 Telescopio cenital.

Personal.
 Observador, Felipe Valle.
 Ayudante, Carlos Kurczyn.

Valor angular de las revoluciones del micrómetro.

MARZO 25 DE 1893. α Ursa maj. $AR = 1\ 18\ 24.1$ $\delta = 88\ 44\ 23.42$

Micrómetro.	Cronómetro.	Nivel.		Micrómetro.	Cronómetro.	Nivel.	
		oc.	ob.			oc.	ob.
	<i>h. m. s.</i>				<i>h. m. s.</i>		
62	6 9 13	12.3	34.4	49	6 55 27.0	10.9	33.5
61	12 48	12.15	34.3	48	58 57.0	10.9	33.6
60	16 22	12.1	34.4	47	7 2 33.0	9.9	33.7
59	19 54.5	12.1	34.4	46	6 6.0	10.1	33.0
58	23 27.5	11.8	34.05	45	9 39.0	10.3	33.2
57	27 4.7	11.8	34.0	44	13 13.0	10.2	33.1
56	30 36.0	11.3	33.7	43	16 45.0	10.1	33.1
55	34 11.5	11.1	33.6	42	20 19.0	9.85	32.9
54	37 44.0	11.1	33.7	41	23 55.0	9.8	32.9
53	41 16.0	11.0	33.6	40	27 33.0	9.6	32.8
52	44 53.5	11.5	33.7	39	31 4.0	9.6	32.8
51	48 27.0	11.0	33.75	38	34 42.0	9.2	32.4
49.840	52 27.0	10.6	33.1	37	38 18.0	9.0	32.1

$\Delta t = + 12\ m. 37.1\ s.$
 $R = 70.105'' \pm 0.17$

Observaciones de los pares de estrellas.

ABRIL 20 DE 1893.

Pares.	Cronómetro.	Micrómetro.	Nivel.		δ	$\frac{1}{2}(\delta + \delta')$	Correcciones.				Latitud $31^{\circ} 20'$ +
			oc.	ob.			m.	n.	
	<i>h. m. s.</i>				<i>o' '' "</i>	<i>o' '' "</i>					
1	12 12 5	42.074	10.05	38.65	21 8 10.93						
	17 9	56.281	15.60	44.05	41 15 19.76	31 11 45.35	+ 8 17.96	2.74	0.14	6.19
2	12 21 10	42.099	12.00	40.6	3 54 21.58						
	23 0	57.570	20.9	49.3	58 27 36.95	31 10 59.26	+ 9 2.30	+1.76	+0.17	+0.86	4.35
4	12 49 58	53.551	10.1	39.2	14 42 16.03						
		43.802	11.5	40.7	47 46 33.86	31 14 24.94	+ 5 42.24	-0.73	0.10	+0.01	6.56
5		51.793	40.6	11.3	66 1 7.10						
	12 0 45	46.114	37.2	8.0	- 3 14 15.92	31 23 25.59	- 3 19.06	0.08	0.06	-0.12	6.55
6	13 4 11	57.651	39.7	10.3	23 11 17.23						
		58.872	40.	10.0	39 6 7.68	31 8 42.46	+11 23.91	+0.23	0.19	0.00	6.79
7	13 14 45	{ 39.361 37.492 57.337 41.520 }	39.5	9.95	12 7 21.79						
			37.2	7.9	50 14 36.14	31 10 58.97	+ 8 50.92	+0.55	0.10		6.97
			38.4	8.9							



ANTIGUO MONUMENTO 26, EN NOGALES.

NO. 19

Observaciones de los pares de estrellas—Continuación.

ABRIL 20 DE 1893.

Pares.	Cronómetro.	Micrómetro.	Nivel.		δ		$\frac{1}{2}(\delta + \delta')$	Correcciones.				Latitud 31° 20' +	
			oc.	ob.	o	'		''	m.	n.
9	h. m. s.	42.022	39.2	9.7	37	35	25.88						
		57.140	31.6	1.9	24	47	10.67	31 11 17.93	+ 8 49.93	- 3.85	0.15	0.00	4.16
10		51.318	31.05	1.4	24	54	59.24						
		49.192	31.1	1.4	37	43	41.36	31 18 50.30	+ 1 14.57	- 0.02	+ 0.02	0.00	4.87
11		48.325	40.0	10.0	20	29	38.46						
		50.180	39.5	9.6	42	12	39.36	31 21 8.91	- 1 5.02	+ 0.23	- 0.02	0.00	4.10
12		57.430	39.4	9.5	34	58	18.49						
		41.163	40.05	10.0	28	0	49.70	31 29 34.10	- 9 29.20	+ 0.29	- 0.16	0.00	5.03
13		53.242	40.15	10.05	18	11	9.81						
		46.847	40.7	10.4	44	21	38.03	31 16 23.92	+ 3 44.16	- 0.23	0.07	0.00	7.92
a	2 11 16	43.738	40.8	10.5	49	57	37.84						
		54.673	40.4	10.1	12	29	45.45	31 13 41.65	+ 6 23.65	- 0.20	0.12	+ 0.07	5.29
b	2 16 26.5	54.002	39.4	9.05	10	36	4.22						
		43.209	39.5	8.85	51	51	27.85	31 13 46.04	+ 6 18.32	+ 0.13	0.12	0.02	4.63
c		44.414	40.9	10.2	32	15	49.67						
		54.712	40.05	9.3	30	12	20.74	31 14 5.21	+ 6 0.97	- 0.44	0.10	0.00	5.84
d		44.011	40.7	9.95	18	45	34.45						
		53.821	41.0	10.1	44	6	0.55	31 25 47.50	- 5 43.86	- 0.11	- 0.10	0.00	3.43
e	2 43 0	53.391	43.7	12.95	16	52	22.83						
		45.177	43.7	12.95	45	38	5.11	31 15 13.97	+ 4 52.83	0.00	0.09	+ 0.26	7.15
f		53.391	41.8	11.0	24	48	23.89						
		45.411	42.8	12.0	37	42	25.52	31 15 24.70	+ 4 39.72	- 0.50	0.08	0.00	4.00
g		52.776	42.05	11.1	14	27	42.96						
		45.556	42.3	11.4	48	3	59.25	31 15 51.10	+ 4 12.73	- 0.14	0.07	0.00	3.76
h		57.929	39.05	7.85	20	57	35.56						
		39.943	41.7	10.4	41	21	37.89	31 9 36.73	+10 30.28	- 1.30	0.18	0.00	5.89
m	3 45 9.0	51.072	43.5	12.2	26	37	47.13						
		49.219	40.3	9.0	35	59	3.28	31 18 25.21	+ 1 4.95	- 0.20	0.03	+35.84	5.77
3'		54.260	42.01	10.2	14	16	31.08						
		43.533	40.4	8.4	48	11	8.12	31 13 49.60	+ 6 16.01	+ 0.82	+ 0.11	+ 0.03	6.37
i		52.797	39.05	7.7	33	18	44.01						
		46.987	39.5	7.0	29	28	11.56	31 23 27.78	- 3 22.25	- 1.60	+ 0.06	- 0.12	3.37
l		49.996	39.05	7.7	43	56	53.26						
		45.916	39.5	7.0	18	48	61.17	31 22 27.27	- 2 23.01	- 0.06	- 0.04	- 0.01	4.16
4'		38.773	40.65	8.0	13	53	57.50						
		57.351	40.05	8.0	49	7	55.79	31 30 56.64	-10 51.21	0.00	- 0.20	0.00	5.23

