DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

Series A

Station: Manila Observatory
Date: August 11/2,1921

COMPUTATION OF PERIOD—HALF-SECOND PENDULUMS

ries A

Observer: M. Selga

Reduction by M. Selga

Knife-Edge: B

Knife-Edge: BII

Position:

Direct

	Swing					Swing: 7							
		Swing:					2						
		Chronometer No. 1589		Chronometer No. 3462		Chronometer No. 1589			Chronometer No. 3462				
1 Coincidence,			205 sec.		202 sec.		2	0 3 sec.			sec.		
Coincidence In	iterval,	U 12	8 9	H. 12 /	5 44	н. 12	м.	s.	н.	м.	s.		
Coincidence In	iterval,	43689 sec.		44144 sec.		43609 sec.					sec.		
No. Coincidence	ces,	212		218		214							
10 Coincidence	s,	2060.8 sec.		2024.9 sec.		2037.8 sec.					sec.		
Coincidence In	iterval,	н. D /2	7 15		s. 8	H. 12	м.	s. 19	н.	м.	S.		
Coincidence In	iterval,	43635 sec.		43	43579 sec.					sec.			
No. coincidenc	ees,	148	212		216			4					
10 Coincidences,		2058.2 sec.		20		2036	. 4 sec.		VALUE OF THE PARTY	sec.			
Mean Up and I	Down,	2 0 5 9.5 sec.		20		2037	7. / sec.			sec.			
Uncor. Period,	, 0.50 12		169	0.50 12 3 8 5		0.50 12 3 0 3			8 0.50				
Corr. for Arc,		-23		-23		•	-40	9					
Corr. for Pressure,		+14		-		+ 2:	2						
Corr. for Temperature,		-552		- 3	-	55	6						
		0.50 116 0 8		0.50 11 8 2 4		0.50 11720			0. 50				
Corr. for Rate,		+ 34		+51			+ 32	8					
Corr. for Flexure,		- 38		-38			- 38	3					
Period,		0.50 116 04		0.50 11 8 3 7		0.50 11 7 2 0			0. 50				
PRE		SSURE.	TEMPER	ATURE.	PRESSURE.			TEMPERATURE.					
			°C.)					°C.]					

PRESSURE.		TEMPERATURE.					PRESSURE.		TEMPERATURE.				
		°C.)							°C.				
		0.	Means							Means			
	mm.	mm.						mm. mm.)	20.		
	8.8	46.0	Mean	28.2		Mean total		12.7	37.5	Mean	28.4		Mean total
Arc,			51.0		28.3	28.3	Arc,			41.8		28.4	28.4
	2.2	56.1		28.4				3.3	46.0		28.4		
			Therm. Corr 0. /							Therm. Corr. — 0. /			
			Corrected temp. 28.20				Corrected temp. 28.3				28.30		