

MAGNETIC OBSERVATIONS AT ANTIPOLLO, MAY 29, 1919.

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The values of H (horizontal intensity) and of Z (vertical intensity), given in Table 1, have been corrected for the range in temperature in the magnetograph room. May 29 was one of the quietest days (magnetic character 0). The values of the magnetic elements follow very closely the normal diurnal variation.

Before the prescribed observation-hours the *weather* remained irregularly, cloudy and calm, with lightning in different directions. The *air temperatures* are tabulated for each hour.

The *geographic coordinates* of the Antipollo Magnetic Observatory, Philippines, are: Latitude, $14^{\circ} 36' N.$; longitude, $121^{\circ} 10'$ or $8^h 04^m.7 E.$; altitude, 215 meters.

TABLE 1.—*Approximate magnetic values, Antipollo, May 29, 1919.*

[$D = E 0^{\circ} 36'.2$ + tabular value; $H = 38048\gamma$ + tabular value; $Z = +11001\gamma$ + tabular value.]

G.M.T.	D	H	Z	Temp.	G.M.T.	D	H	Z	Temp.
^h ^m	'	γ	γ	°C.	^h ^m	'	γ	γ	°C.
10 00	+0.6	+2	+11	25.1	13 00	-0.1	-1	0	24.6
05	+0.6	+2	+11		05	-0.1	-1	-1	
10	+0.6	+2	+11		10	-0.2	0	-1	
15	+0.6	+2	+11		15	-0.2	+1	-1	
20	+0.6	+2	+11		20	-0.2	0	-2	
25	+0.5	0	+11		25	-0.2	+1	-2	
30	+0.5	0	+10		30	-0.2	+1	-2	
35	+0.4	0	+10		35	-0.2	-2	-3	
40	+0.4	0	+10		40	-0.2	-2	-3	
45	+0.3	+1	+10		45	-0.2	-1	-4	
50	+0.2	0	+9		50	-0.2	-1	-4	
55	+0.2	0	+9		55	-0.2	0	-3	
11 00	+0.0	0	+8	24.8	14 00	-0.1	0	-3	24.4
05	+0.0	0	+8		05	-0.1	0	-4	
10	-0.0	+1	+7		10	-0.1	0	-5	
15	-0.1	+2	+7		15	-0.1	0	-6	
20	-0.1	+2	+6		20	-0.1	+1	-6	
25	-0.1	+2	+6		25	-0.1	+1	-6	
30	-0.2	+1	+7		30	-0.1	+1	-6	
35	-0.2	+1	+6		35	-0.1	-1	-6	
40	-0.2	+1	+6		40	-0.1	-1	-6	
45	-0.2	+1	+6		45	-0.0	0	-7	
50	-0.1	+1	+5		50	-0.0	0	-7	
55	-0.1	+1	+5		55	-0.0	0	-7	
12 00	-0.1	+1	+5	24.8	15 00	+0.0	0	-7	24.2
05	-0.1	+1	+4		05	+0.0	+1	-7	
10	-0.1	+1	+4		10	+0.0	+1	-8	
15	-0.1	+2	+3		15	+0.0	+1	-8	
20	-0.1	+2	+3		20	+0.0	0	-8	
25	-0.1	-1	+2		25	+0.0	-3	-8	
30	-0.1	-2	+2		30	+0.0	-2	-9	
35	-0.1	-2	+1		35	+0.0	-2	-9	
40	-0.1	-2	+1		40	+0.0	-2	-9	
45	-0.1	-2	0		45	+0.0	-1	-9	
50	-0.1	-2	0		50	+0.0	-1	-10	
55	-0.1	-2	0		55	+0.0	-1	-10	
					16 00	+0.0	-1	-10	24.1