

Tacloban, Leyte
May 13, 1929

The Director
Weather Bureau
Manila, P. I.

S i r:

I have the honor to furnish you a report of my observation taken of the recent total solar eclipse as witnessed by me in Tacloban, Leyte, on May 9, 1929. Observations were taken as per your practical instructions published in "The Tribune" of April 16, 1929.

GROUP D - DURATION OF TOTALITY

Place of observation:-Top of hill, Tacloban, Leyte.
Number of observers:- Three.

Instruments used:- Stop Watch, smoked glass, kodak.

Results:

Duration of totality as per stop watch record by
Mr. Carlos Sta. Maria:-- 2 minutes and 27.4 seconds.

I am also enclosing prints of the kodak pictures as follows:-

1. Approach of totality(earlier stage)
2. Approach of totality(later stage)
3. Totality of eclipse showing sun's corona.
4. Recess of totality showing first return of sunlight.

Note:-Mode of taking pictures:-Kodak was on a tripod and adjusted with a speed of 1/50 of a second and with the smallest opening of the diaphragm. Pictures were taken with kodak directly focused towards eclipse without anything before the front lens of the machine. Focus was from 100 feet to infinity.

Respectfully submitted:

Carlos Sta. Maria
CARLOS STA. MARIA

Certified Correct:

Antero Riel
ANTERO RIEL, second observer.

Gabriel Sta. Maria
GABRIEL STA. MARIA, third observer.