

**U. S. DEPARTMENT OF COMMERCE**

**W. A. HARRIMAN, Secretary**

**COAST AND GEODETIC SURVEY**

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**MAGNETOGRAMS**  
**SAN JUAN, PUERTO RICO**  
**JANUARY - JUNE 1946**



**ISSUED BY**  
**COAST AND GEODETIC SURVEY**  
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## INTRODUCTION

This report is the first of a series planned to present the records of the San Juan Magnetic Observatory in a new form. It shows approximately quarter-size reproductions of the magnetograms, prepared for convenient inspection. Numerical data are given by means of which individual values may be scaled either from the original magnetograms or, with somewhat less accuracy, from these reproductions. Nearly current records are thus made available, and the magnetograms are for the first time published in their entirety.

It is proposed, by presentation of the magnetograms in this form, to mitigate the condition of increasing lag heretofore existing in the issuance of the reports. Because of unavoidable delays in compiling scaled hourly mean values, the latest prior report for San Juan was for 1929-30<sup>1</sup>. It is not expected that these reproductions will serve every purpose. Full-size or half-size copies of the original grams will be furnished at a nominal cost when a definite need can be shown.

This report covers the period from January to June 1946. It is planned to issue succeeding semiannual reports regularly within a few months after each half-year period. Prior unpublished results will be issued as rapidly as possible.

The San Juan Observatory is near the top of a hill about 10 kilometers south of San Juan on the highway from San Juan to Guayabo, and has been in operation since January 1926. This observatory replaced the one in operation from 1903 to 1924 at Vieques, Puerto Rico. The approximate position of the San Juan Observatory is, on the Puerto Rico datum:

Latitude ----- 18° 22'.9 North

Longitude ----- 66° 07'.1 West

The elevation is about 100 meters or 300 feet.

The San Juan Observatory is one of five observatories regularly operated by the U. S. Coast and Geodetic Survey, the other four being located at Cheltenham, Maryland; Honolulu, Territory of Hawaii; Sitka, Alaska; and Tucson, Arizona.