

MEXICO MAGNETIC CHART EPOCH 2010.0, FIRST MEASUREMENTS

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In this paper we introduced a methodology, measurements, and results obtained from two campaigns conducted on December 2008 and February 2009, making a total of 16 of the 52 repeat magnetic network stations existing in Mexico, for Mexico Magnetic Chart Epoch 2010.0.

The last magnetic chart in Mexico was issued in the 90's by Magnetic Survey of Geophysics Institute-UNAM. We took over the recuperation of lost measurements that had been left over at lack of money and human resources.

In 2009 the Magnetic Survey was included inside SIBA (Environmental and Biodiversity Informatics System) project. Funds were approved and then we could start getting to work for magnetic chart survey with at least two complete magnetic network reoccupations.

At the first 16 stations (that had been all ready made up till now) we got a lot of problems. But the main one was the lost or destroyed over of original marks measured in 90's and it was hard too finding a new good place for replacing these sites.

Observed measurements in these sites shown satisfactory records inside the expected rate. In 2009 we will be able to carry out three more campaigns to measure 24 more stations having a total of 40 by the end year. During 2010 and 2011 we will complete the survey to finish the whole magnetic chart for epoch 2010.0.

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