

## STABILITY OF THE MAGNETIC EQUATOR IN SOUTH AMERICA A REFERENCE SYSTEM FOR EARTH SYSTEM DYNAMIC

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In the Final Report of the IUGG(Sapporo, Japan, June 30-July 11, 2003) Working Group Geosciences: The Future say: "The study of the Earth as a dynamic system is of utmost importance to the understanding of our planet and of the conditions that allowed life to develop on it". It is necessary an chronometer natural to coordinate the Earth as a dynamic system and to classify the observations and this chronometer comes to be the vernal point, defining the vernal point as" a sensitive axis of maximum conductivity" as it demonstrates it the stability of the geomagnetic equator (inclination of the field is zero grades), in the year 1939 calculated with the IGRF from the year 1900 up to the 2004. and that it is confirmed with tabulated data of the Geophysical Institute of Huancayo (Peru), from that date until this year (2004) and this fluctuating between the 12° and 14° S, on the other hand in the area of Brazil it has advanced very quickly toward the north, and above to 108 km. approximately it is located the equatorial electrojet that is but intense in the equinoxes in South America. And this stability from the point of view of the precession of the equinoxes this coinciding with the entrance of the apparent sun for the constellation of Aquarius, being this mechanism the base to establish a system of coordinated preccesionals where it is also considered tilt of Earth's spin axis; eccentricity of Earth's orbit; and precession of equinoxes.