

REPORT FROM ARGENTINA

1. National Activities

a. Time/frequency activities

b. Survey/geodesy/GIS activities

These month will begin the unification of several regional GPS geodetic networks (about 20) with approximately 2000 points from the national, provincial (cadastral) and mining networks.

2. Differential Services

3. Development Activities

a. Land use

b. Maritime use

c. Aviation use

d. Space use

e. Military use

f. Time/frequency use

g. Survey/geodesy/GIS

4. Industrial Aspects

5. National Policy activities and decisions

The country has the POSGAR 94 (*Posiciones Geodésicas Argentinas*) reference frame with a network of 127 GPS points. That network, with distances between stations averaging 200 km, represents the embodiment of WGS 84, which in 1997 became the official reference frame in Argentina. Later, POSGAR 94 was enhanced into a new frame, POSGAR 98, by a more precise computation of the observations and by its links to a continental system known as SIRGAS (*Sistema de Referencia Geocéntrico para las Américas* (SIRGAS) and to the International Terrestrial Reference Frame, ITRF) (Moirano, 1997). Most of the positions in POSGAR 98 coincide with those of POSGAR 94. Also deserving notice are 15 GPS stations that make up the *Red Argentina de Monitoreo Satélnal Continuo*, RAMSAC (Argentinean Network of Permanent Tracking Stations).

A complete report about cartography and geodesy in Argentina is in

http://www.ddl.org/figtree/pub/fig_2002/fig_index.htm (Wednesday TS5.7 Ruben

Rodriguez/Claudio Brunini/Albert Christensen **THE NATIONAL MAPPING ACT AND THE STATUS OF CARTOGRAPHY IN THE ARGENTINE REPUBLIC**

6. National Responsible Authorities

The geodetic authority in the country is the Geographic Military Institute (Instituto Geográfico Militar). The director of institute is the colonel Fernando Miguel Galbán dir@mapas.igm.gov.ar

7. Relevant Conferences/Seminars/Exhibitions held within nation

In 23-27 September of this year will be the XXI Meeting of Geophysics and Geodesy in Rosario (300 km north from Buenos Aires) with about 100 papers, a meeting of IUGG National Committee, a session about learning in geodesy and a session on geophysics exploration and prospection. The web page is www.fceia.unr.edu.ar (visitantes – eventos) and e-mail aagg2002@fceia.unr.edu.ar

8. National Point of Contact

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