

Institutions:

**INPE – National Institute for
Space Research**

**CRAAM – Radio Astronomy Center
of Mackenzie University**

Intrumentation -

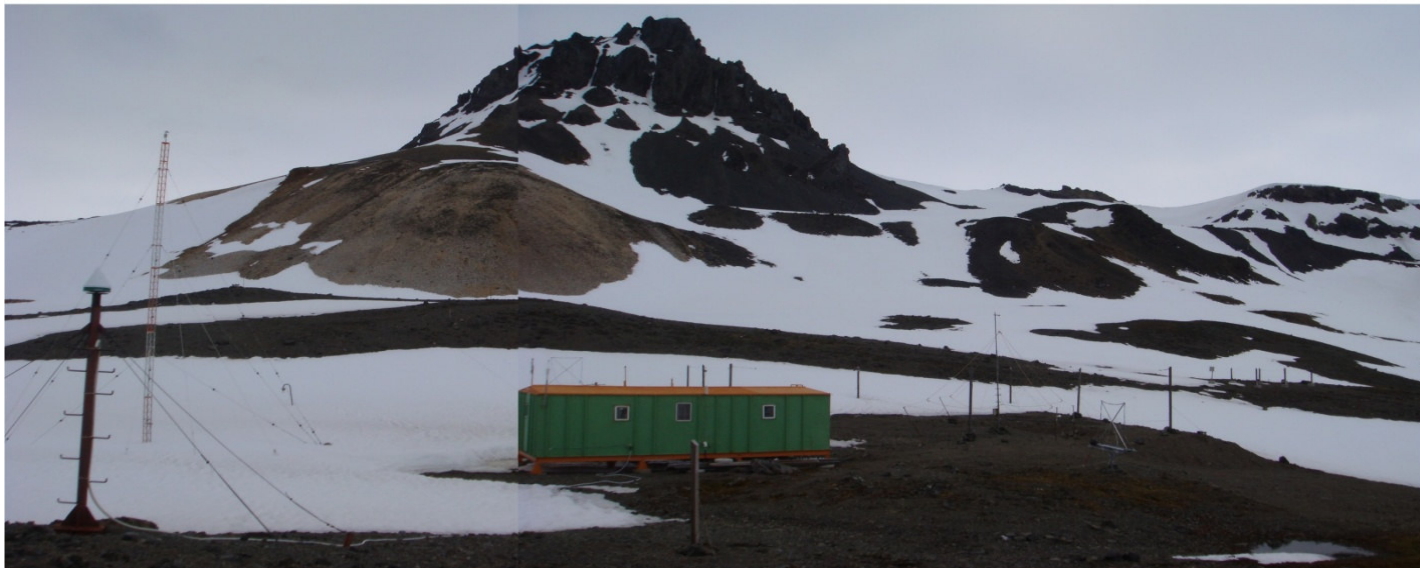
Itapetinga Radio Observatory

Atibaia/SP:

VLF

GPS-Scint&TEC - NOVATEL

riometers – 30 & 38 Mz



EACF – KGI:

Ionosonde - CADI

VLF

GPS-TEC – JAVAD

& Scint&TEC - NOVATEL

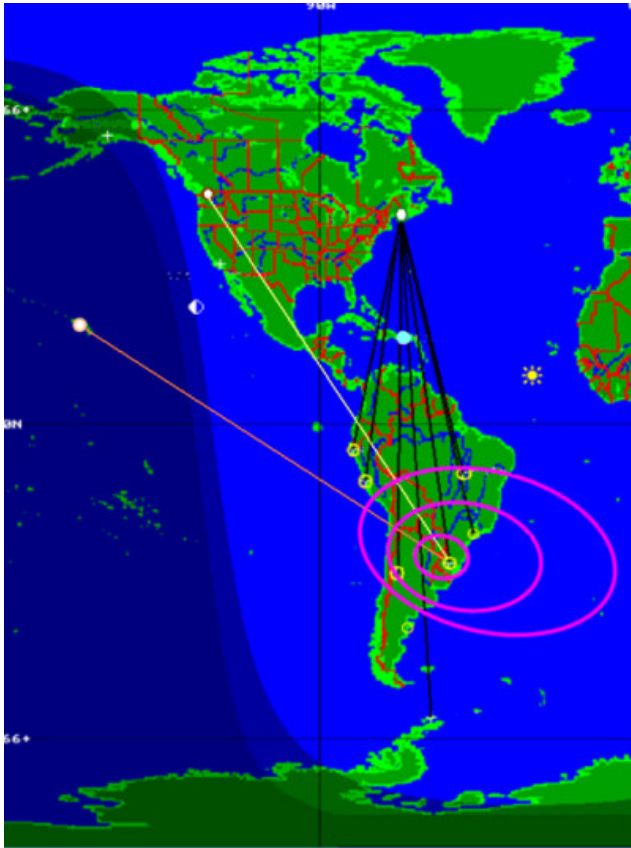
riometers – 30 & 38 MHz

Intrumentation - networks

SAVNET - VLF

SARINET - Riometers

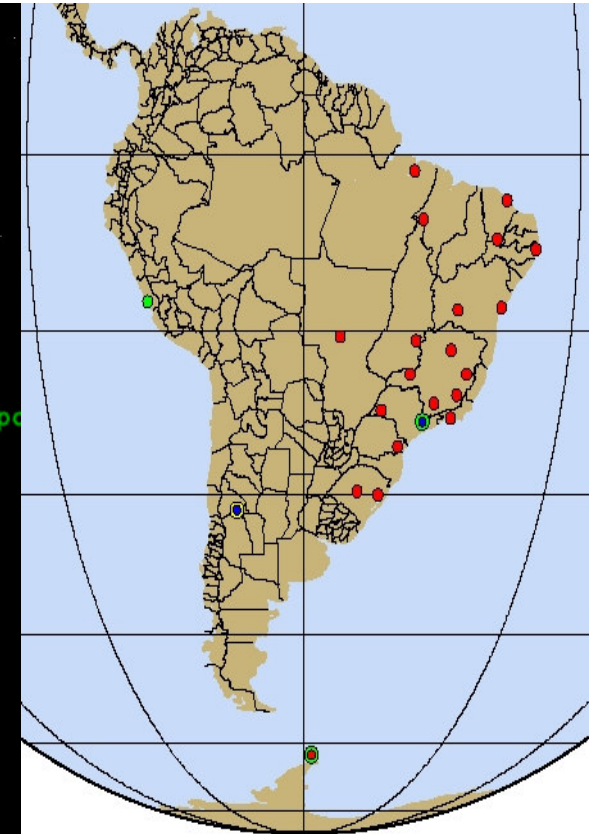
RBMC - GPS



Mackenzie University - Brazil



Takushoku University - Japan



IBGE- Brazil - OLD

Main objectives:

Solar-Terrestrial interactions and ionospheric effects:

TEC and scintillation in Antarctica and SAMA

Multi-instruments investigation of the upper atmosphere

Ionosphere forcing from below, neutral atmosphere effects