

## Stay of Eye!

### INMET HAS GOAL OF 500 AUTOMATIC STATIONS INSTALLED IN 2008



In 2007 National Institute of Meteorology (INMET) from Brazil finished year with a balance of 281 installed automatic stations. The goal of the INMET for 2008 is to reach 500 superficial automatic stations, operating in all Brazilian states.

With installation of more 219 automatic stations, observation net, which has covered all Brazil, will increase the precision of the forecasts, reflecting on reliability in the applications of the meteorological information by agriculture and other areas of economic and social importance, as defense civil, industry, tourism and water resources.

The data collected for stations are integrated and transmitted, hourly - via satellite and cellular telephony - for a data base situated at INMET headquarters, in Brasilia, where they are put, in real time, in the Internet. According to General-Coordinate of Communication Systems of the INMET, Jose Mauro de Rezende, the objective of the System is to monitor the country, the time all and immediate form, with hourly observations, in a synoptic grid, that is, spaced to each 150 km. "The importance biggest is to avoid accidents and risk mitigations to agriculture", said Resende.

Data collected at automatic stations can be had access by INMET website ([www.inmet.gov.br](http://www.inmet.gov.br)), at menu Stations Net, link Automatic Surface.

Source: SBMET.

### METEOROLOGY FORESEES TEMPERATURE OF 24,9°C IN BEIJING OLYMPIC GAMES



The average temperature during Beijing Olympic Games, which will occur from 8 - 24 August, 2008, will be about 24.9 degrees Celsius, emphasized Chinese Meteorological Service Director, *Guo Liwen*, assuring that is difficult that athletes have to face difficulties with temperature before fears of many sportsmen.

Chinese Service calculated this temperature on climatological basis of last 30 years saying, moreover, that only has 0.4% of possibilities that thermometers go up beyond 35 degrees during games. *Guo* insisted that climate will be "amiable with athletes", and blamed some foreign ways press to be giving incorrect numbers citing that during August month, in Beijing, average temperature round 30°C. "This is the average maximum temperature", clarified the specialist.

The Beijing Organizing Committee for the Games of the XXIX Olympiad (BOCOG) already had said previously that, if necessary, could be created artificial rain (or also to diminish precipitation amount) in Olympiad.

For this, the Meteorological Service uses, among others methods, airplanes and cannons where launch chemical products in clouds in order to increase or to reduce its condensation.

Source: Estadão Online Journal.

## MINIOBSERVATORY OF INPE OPEN INSCRIPTION



The Miniobservatory of the National Institute for Space Research (INPE) opened inscription for schools interested at sessions of Remote Observation Astronomical, that will be carried through from April to October at Thursday nights.

According INPE, at the session remote students of any city can to visualize space of proper schools them, via Internet, like were ahead of the telescope situated in the Miniobservatory of the Institute that is in São Jose dos Campos, São Paulo.

A computational system makes possible the aiming of the telescope and the acquisition of Astros digital images, among others tasks, with researcher orientation of the Astrophysics Division/INPE. It is not necessary advanced knowledge of computer science or astronomy to participate.

Students and professors are stimulated to execute simple observational projects, as to make a tour by sky (capturing, for example, planet images and accumulations of stars) or to follow apparent movement of an asteroid. After each remote session, celestial images can be manipulated in classroom with intention to fix concepts in mathematics, physics and astronomy.

The remote sessions will be carried exclusively Thursday from 19h to 22h, and in function of the favorable meteorological conditions.

To participate of remote observation sessions is necessary to enroll yourself filling form that finds below at available Website.

To know more surf by homepage: [www.das.inpe.br/miniobservatorio/obsremotas](http://www.das.inpe.br/miniobservatorio/obsremotas) or sends message to following e-mail: [miniobservatorio@das.inpe.br](mailto:miniobservatorio@das.inpe.br).

Source: Astrophysics Division/INPE.

## BRAZIL WILL HAVE NET TO MONITOR EARTHQUAKES



Brazil is mounting its first national net of seismology. Composed for about 50 stations spread by Country, it goes to monitor the rare strong earthquakes which happen in places, lesser tremors, more frequent, and also to serve of tool for geologic research. The National Observatory (ON), agency linked to the Science and Technology Ministry, located at Rio de Janeiro, will center the operation.

The implantation will cost around R\$ 20 million, calculates of the Institution director, Sergio Luiz Fontes. The mount of money comes of Petrobras, via Oil Law, that internally determines application of 1% of the income obtained by giant exploration in research – part internally, in laboratories of the proper company, part in other scientific institutes. According Fontes Petrobras guarantees the project maintenance per 20 years.

The first part of net alone must start to function in 2009 middle - the Chinese search by seismographs has provoked an order line, and manufacture process, to a large extent as artisan, does not follow the demand. It will be composed by 11 littoral stations at South and Southeastern regions, distributed with a distance of about 130 kilometers between one and another.

Earthquakes as which reached Itacarambi city, north of Minas Gerais State, in December past, are rare in Brazil. In that occasion, the event reached 4.9 points at *Richter* scale and killed a child. The Net could be used to emit alerts to the authorities at case of imminent risk and, mainly, to help Brazilian scientists to better understand the tectonic dynamics in country.

More information in homepage [www.on.br](http://www.on.br).

Source: Press Sector of MCT .