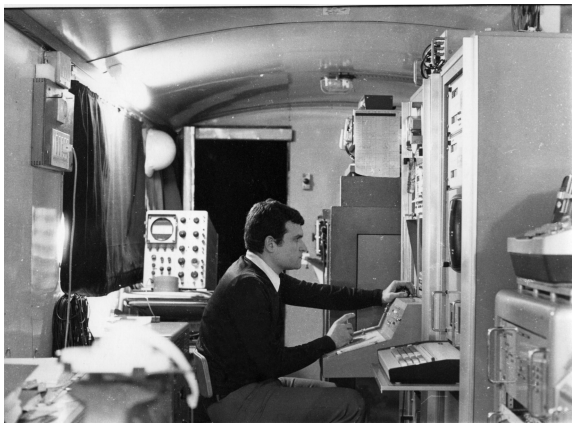
**San Fernando**

**1975-1979** Collaboration with the French GRGS group. First generation mobile station with a ruby laser, 1J and 30ns pulse width and a 40cm aperture receiving telescope. The measuring precision of ~1m. Installed on grounds of the Royal Naval Observatory in San Fernando (ROA, Spain).

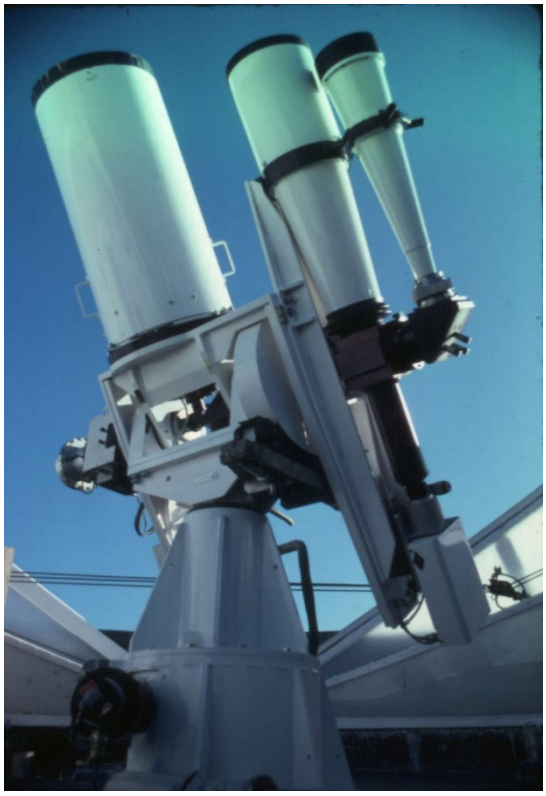

**Mobile station first generation of French GRGS**

**Mount**



**Jean Luis Hatat. Station Chief**

**1980-** First Spanish station installed in the dome on top of ROA main building in collaboration with the French CRGS. A first generation laser, 1J and 30ns pulse width, Receiver Telescope of 40cm. Measuring precision of ~1m.



**Mount**

**Installing the mount in the dome on top ROA main building**

**Observation room**

**1983 – 1987** A second generation laser station replaced the first generation one: Ruby Laser, 3J and 10ns pulse width. Receiver telescope of 60cm. Measuring precision of ~30cm. Also installed in collaboration with the French group.

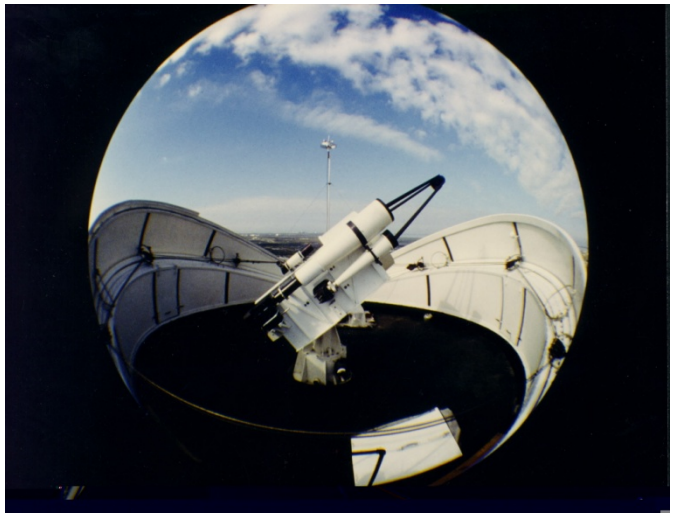
**Mount**

**Gaignobet (CRGS) and M. Quijano (ROA)**

**1990** A new third generation SLR station replaced the previous station, with a YAG-Nd laser, receiver telescope with aperture 60cm. Measurement precision of 6 cm.

**YAG-Nd laser**

**Control Rack**

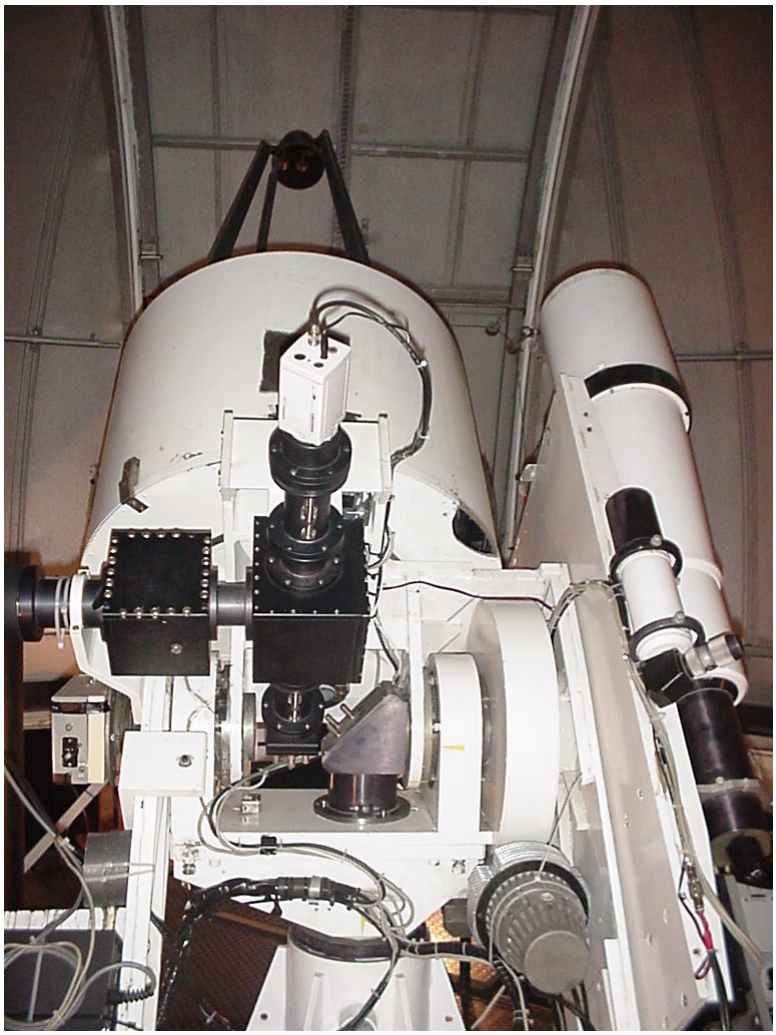


**Dome**

**1998** – A new dome is installed on top ROA main building .

**New dome**

**2001** – A new optical reception system based on C-SPAD is installed. SLR station with Nd-YAG Laser, Receiver Telescope of aperture 60cm and measurement precision de 1,5cm.



**Mount with the new reception system**

**2004** – XIV ILRS Workshop at San Fernando.


**Mike Pearlman, Georg Gárate and Jose M. Dávila**

**Group photo in front of the main building of the ROA**

**2014** – Current SLR station: Nd-YAG laser, firing rate 10Hz, Output power 25mJ and 50ps pulse width. Receiver telescope of 60cm aperture, finder scope camera with high sensitivity and accuracy in the measurement of 1-1,5cm.

**Mount**

**Control Rack**