



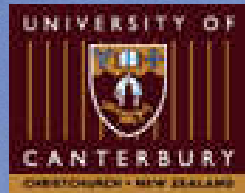




# SALT - Southern African Large Telescope

## 13 International Partners

### 7 Countries



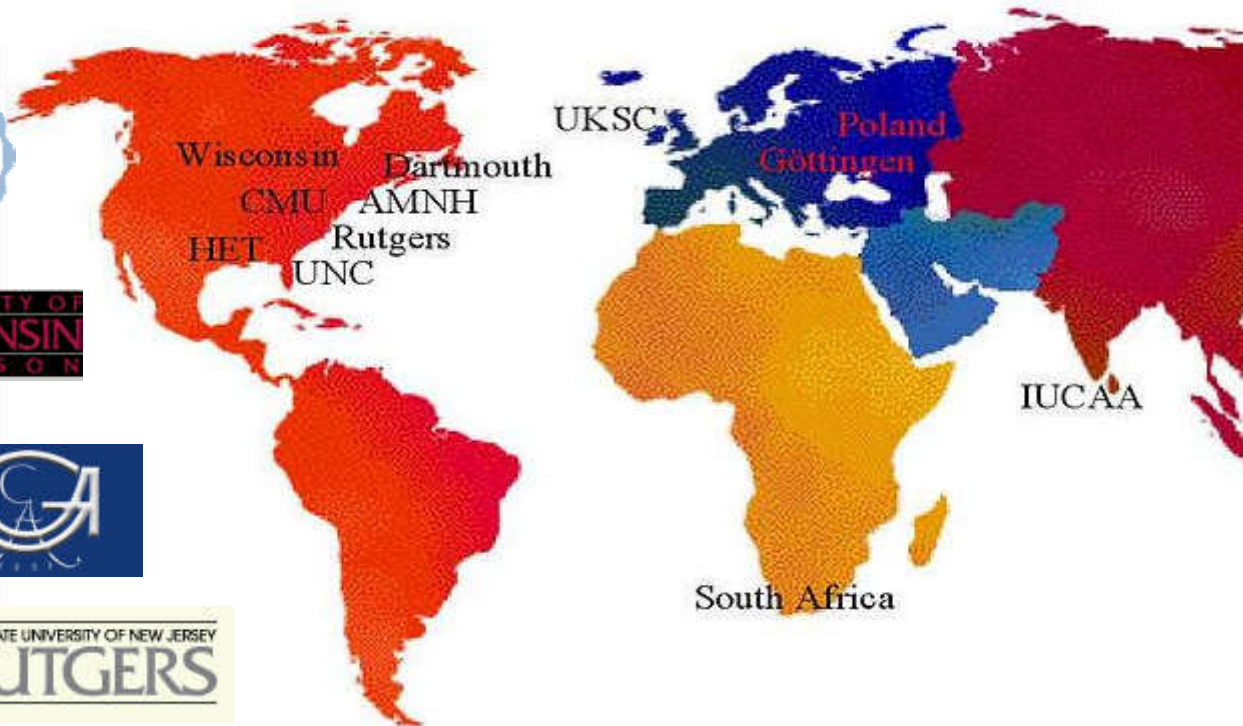
## SALT Partners



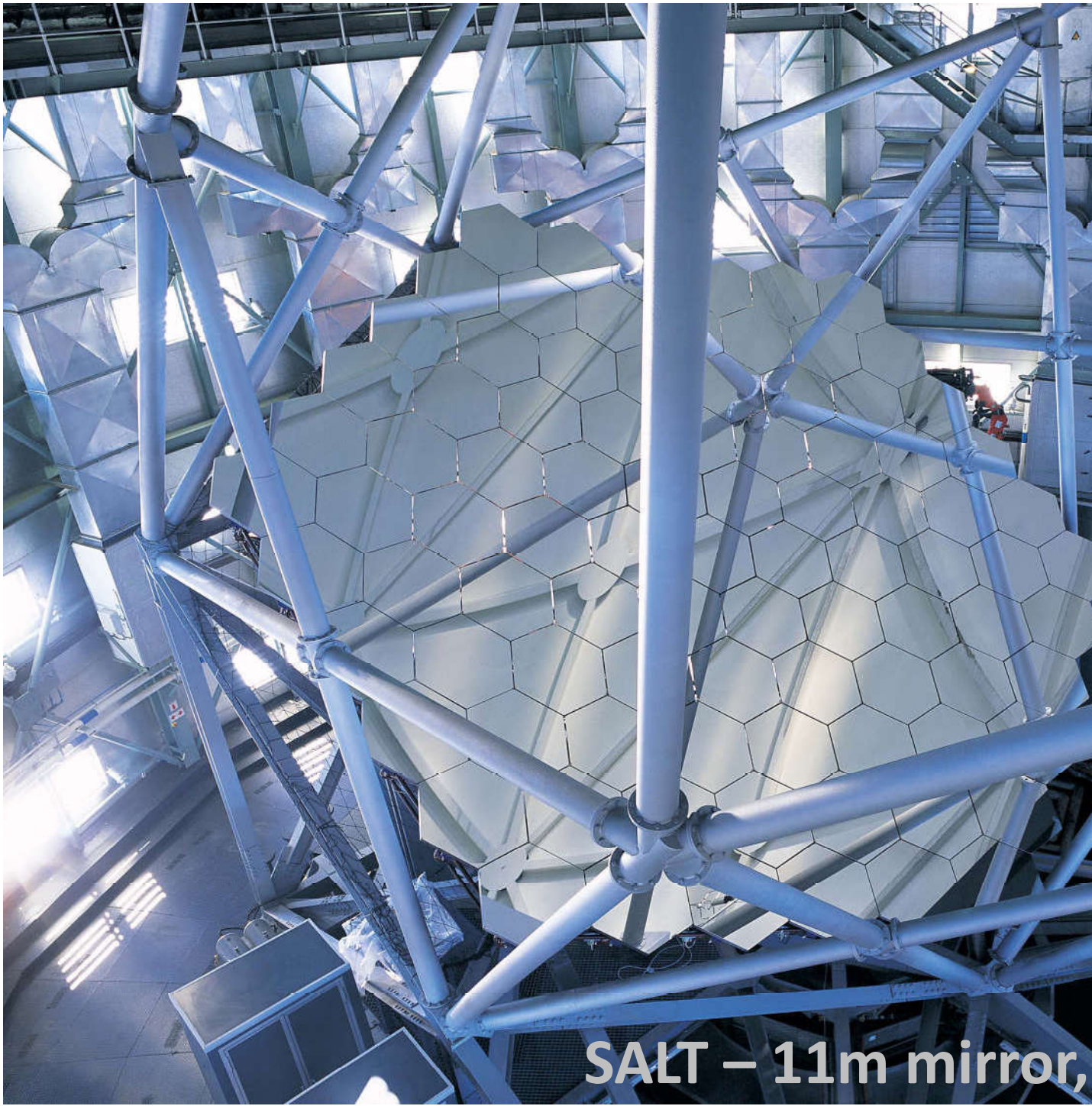
- [National Research Foundation \(RSA\)](#)
- [Nicolaus Copernicus Astronomical Center \(Poland\)](#)
- [Hobby-Eberly Telescope Board \(International\)](#)
- [Rutgers University \(USA\)](#)
- [Georg-August-Universität Göttingen \(Germany\)](#)
- [University of Wisconsin - Madison \(USA\)](#)
- [Carnegie Mellon University \(USA\)](#)
- [University of Canterbury \(New Zealand\)](#)
- [Consortium of UK Universities and Institutions](#)
- [University of North Carolina - Chapel Hill \(USA\)](#)
- [Dartmouth College \(USA\)](#)
- [Inter-University Centre for Astronomy and Astrophysics \(India\)](#)
- [American Museum of Natural History \(USA\)](#)



## SALT Partners







SALT – 11m mirror,



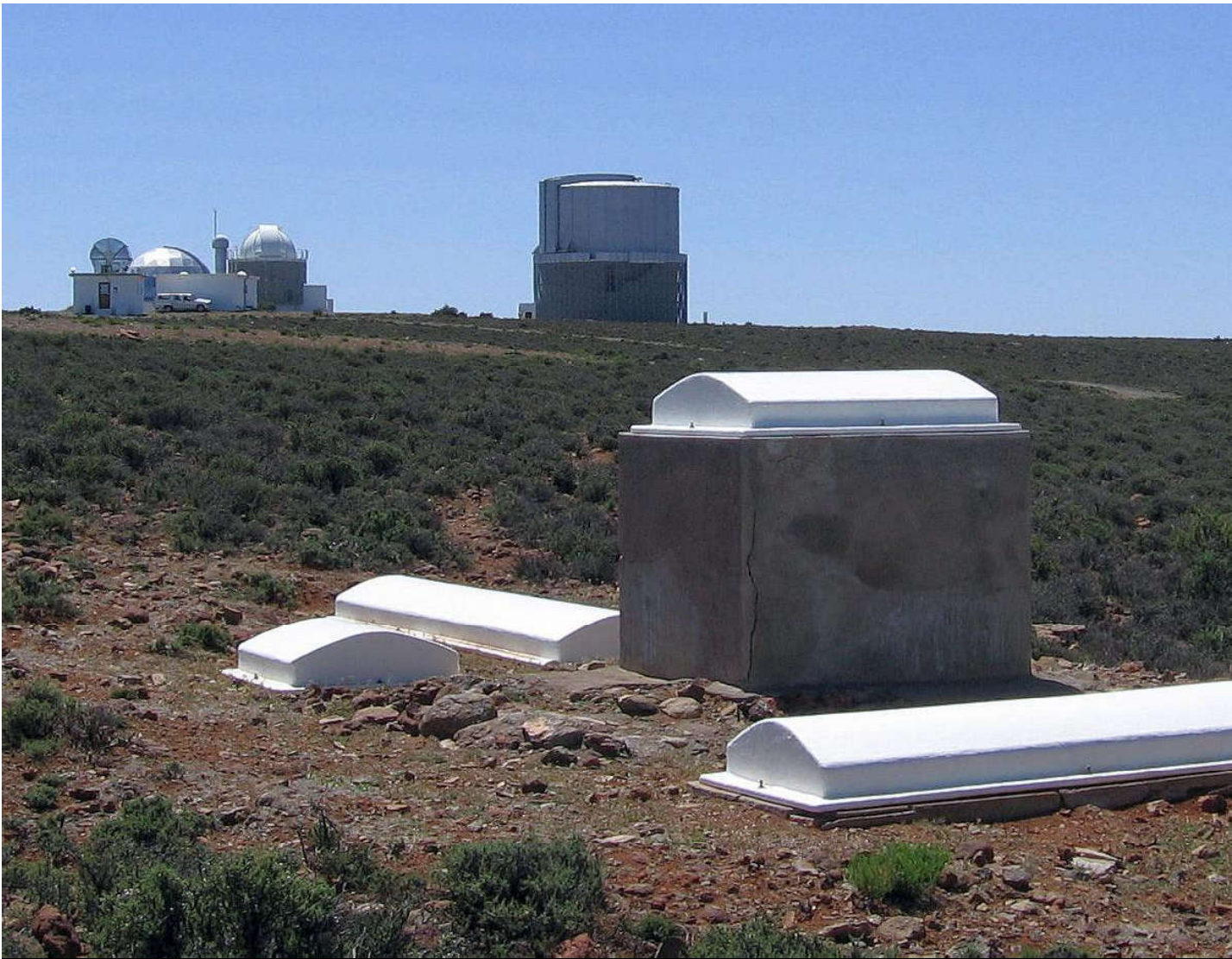








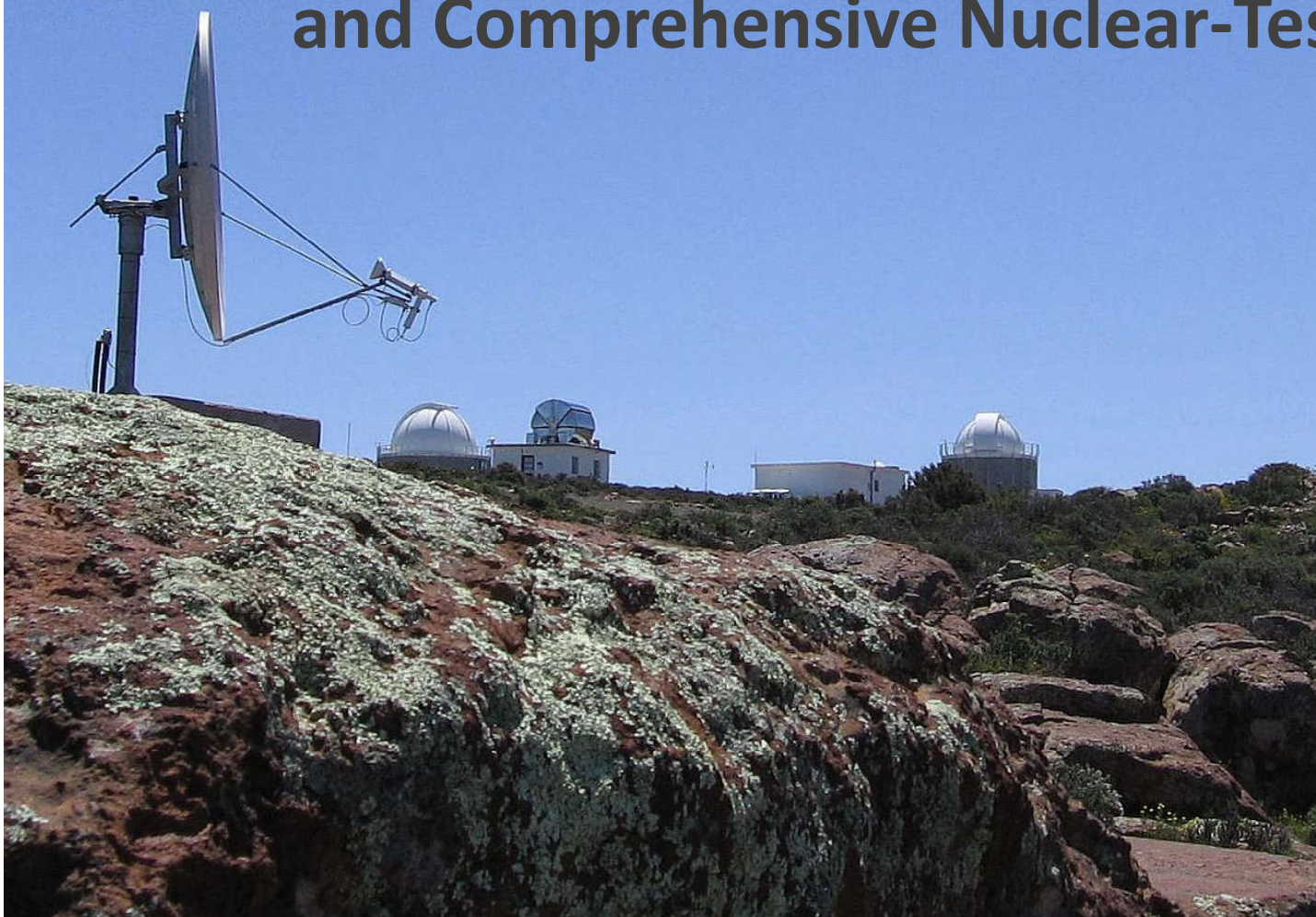




**Magnetometers: SANSA - South African National Space Agency (formerly Hermanus Magnetometer Observatory)**



**Sutherland SUR Station: Form  
International Deployment of Accelerom  
and the Global Seismographic Ne  
Incorporated Research Institutions fo  
and Comprehensive Nuclear-Tes**

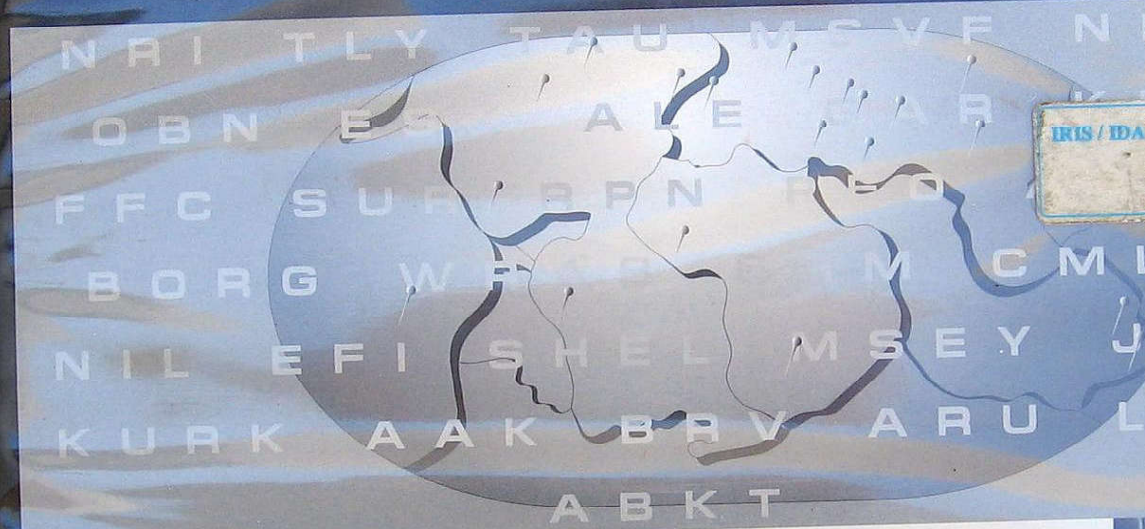






# PROJECT ID

GLOBAL SEISMOGRAPHIC NETWORK

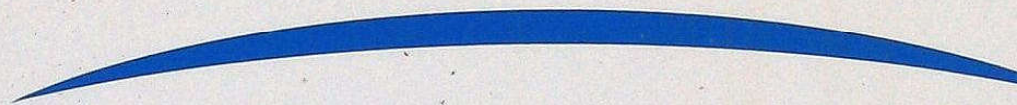


## BROADBAND SEISMIC STATION REFERENCE MANUAL

University of California  
Scripps Institution of Oceanography  
Institute of Geophysics and Planetary Physics  
9500 University Drive  
La Jolla, California USA



**G F Z**



**P O T S D A M**

**South African Geodynamic Observ**

**of the**

**GeoForschungsZentrum Potsda  
Germany**



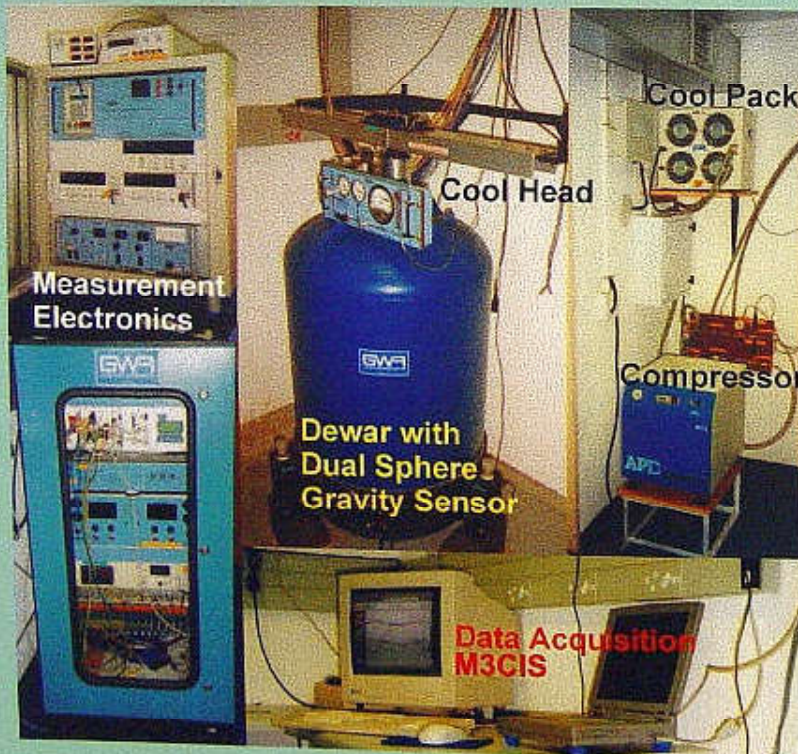








### Dual Sphere Superconducting Gravimeter Installation



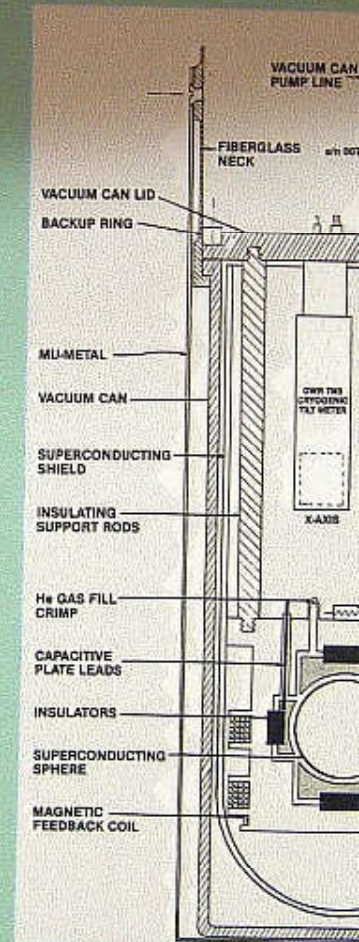
### Set Up Parameters of the SG

Gradient (Measured on Bridge Drive 2)

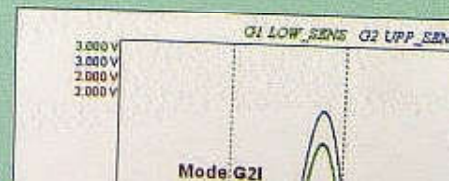
■ Lower Sensor

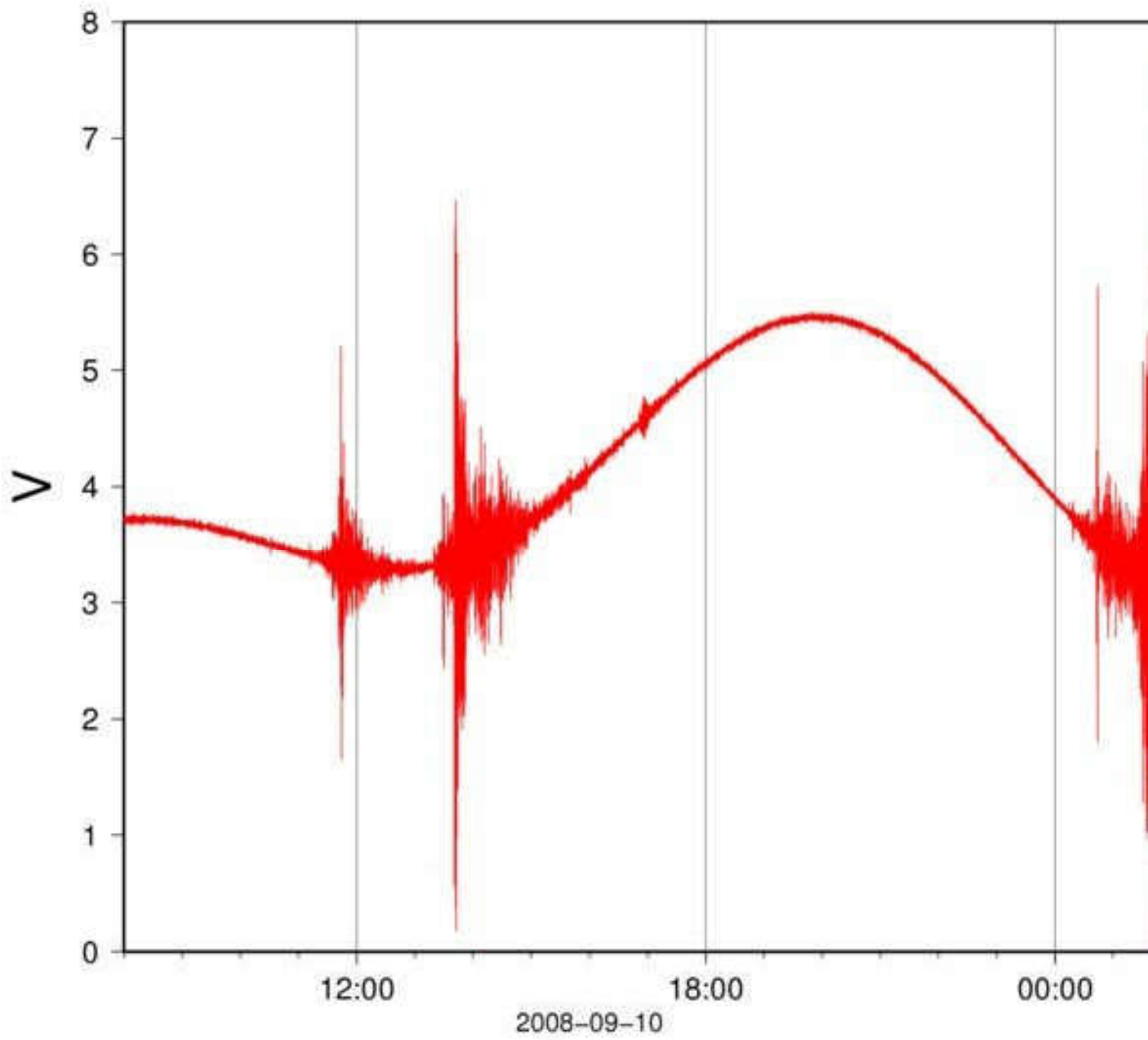
GPS (Table Mountain)  
 Boulder (Table Mountain) G 024  
 Medicina (BKG)  
 Wettzell (BKG) SG103  
 Sutherland

### Working Principle of t



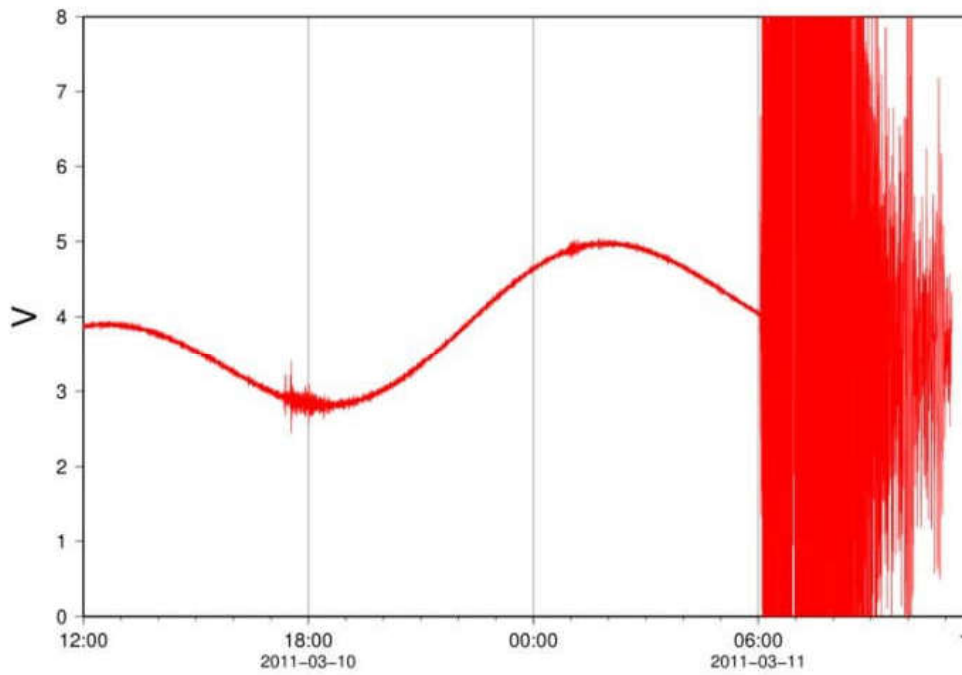
### 3 Days Online Mon



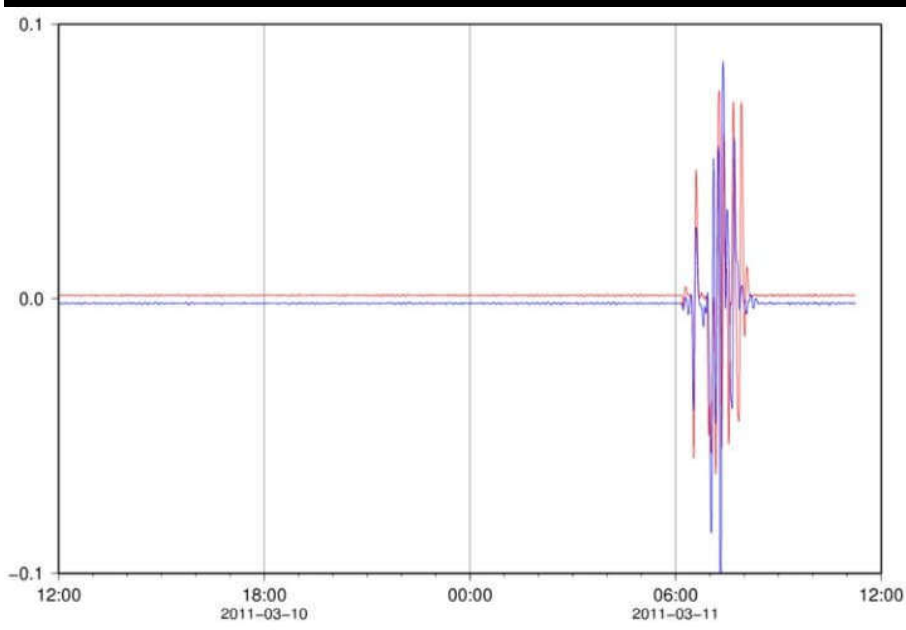


**SG 52 Gravity**



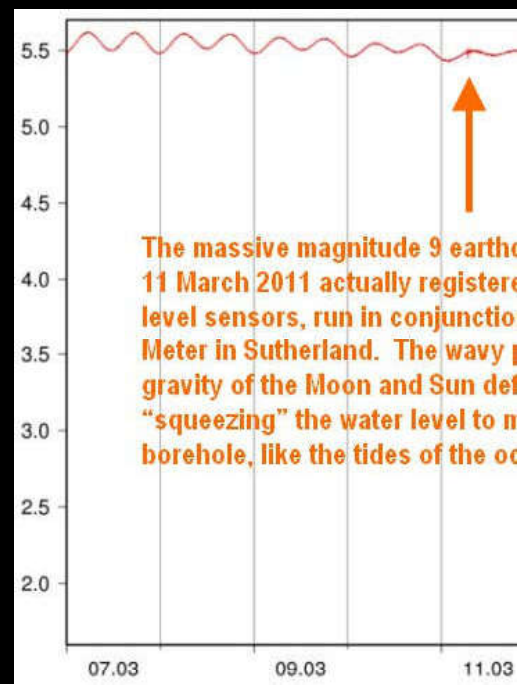


SG 52 Gravity



SG 52 TiltX Power

SG 52 TiltY Power

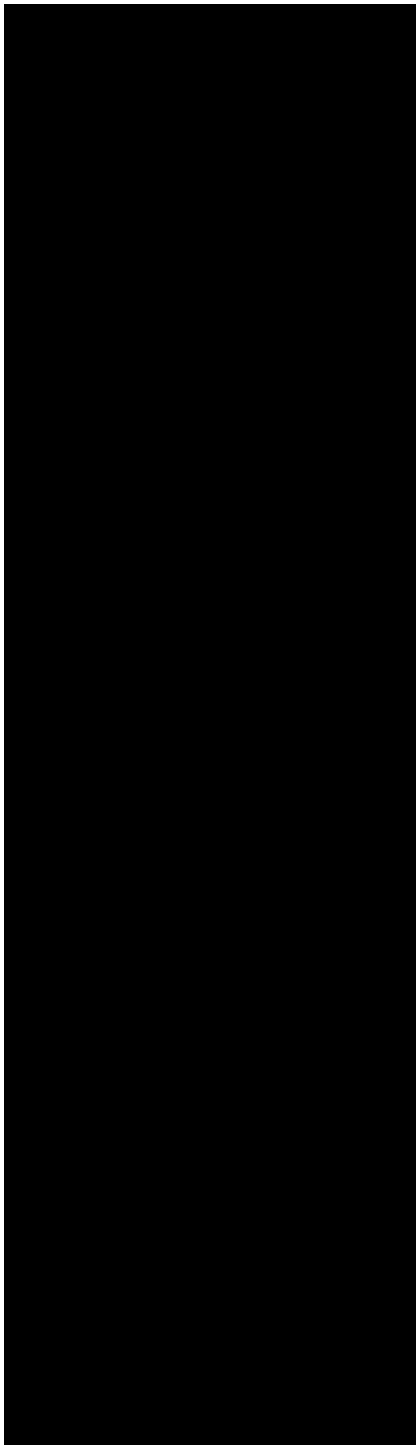


The massive magnitude 9 earthquake on 11 March 2011 actually registered in the water level sensors, run in conjunction with the tide gauge Meter in Sutherland. The wavy pattern in the water level is due to the gravity of the Moon and Sun deforming the Earth, "squeezing" the water level to match the tide of the ocean.

# GPS Station: HartRAO Space Geodesy Programme and Department of Land Affairs

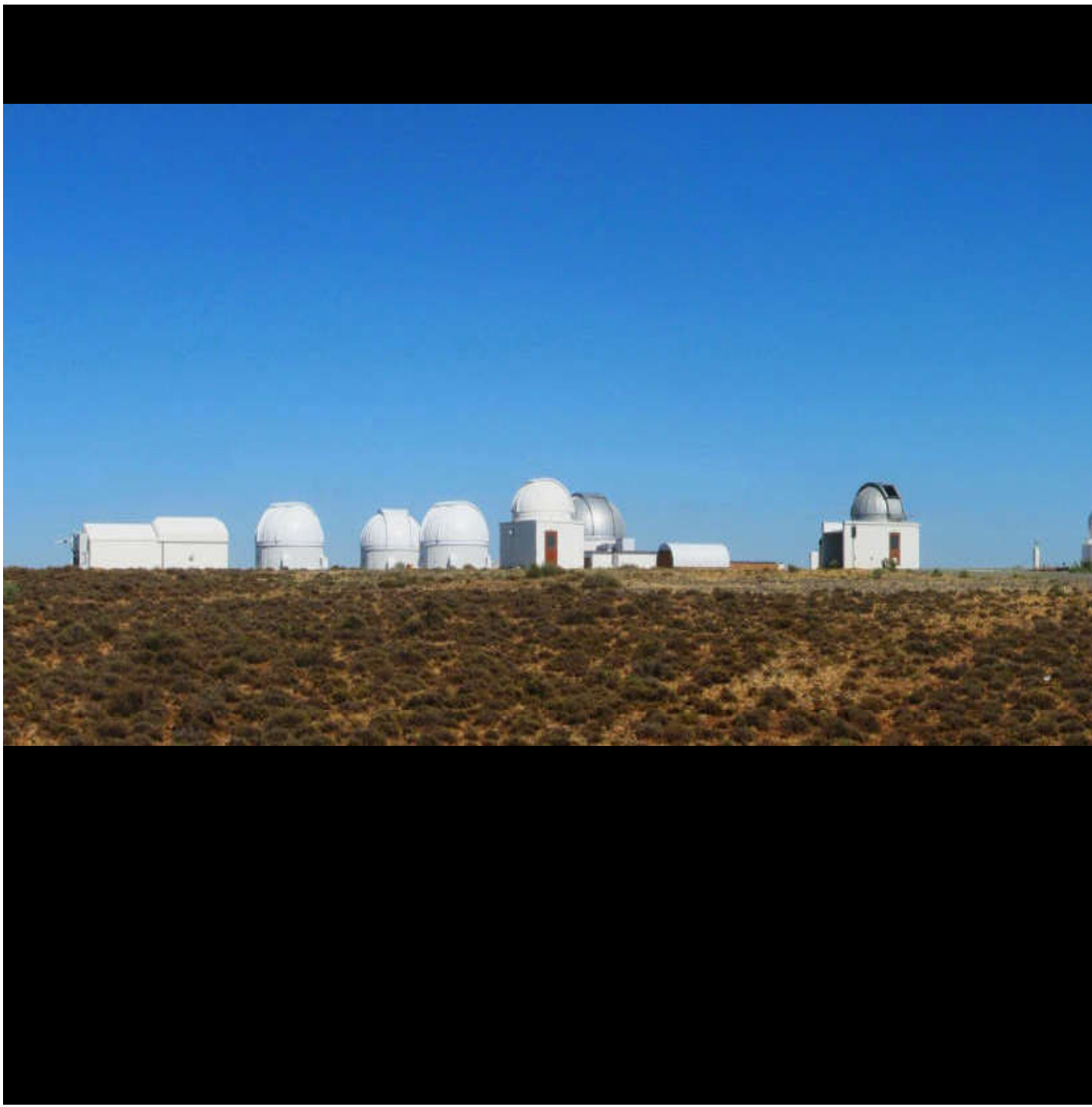


















**VISITOR CENTRE  
AND  
RECEPTION**



POWA











































