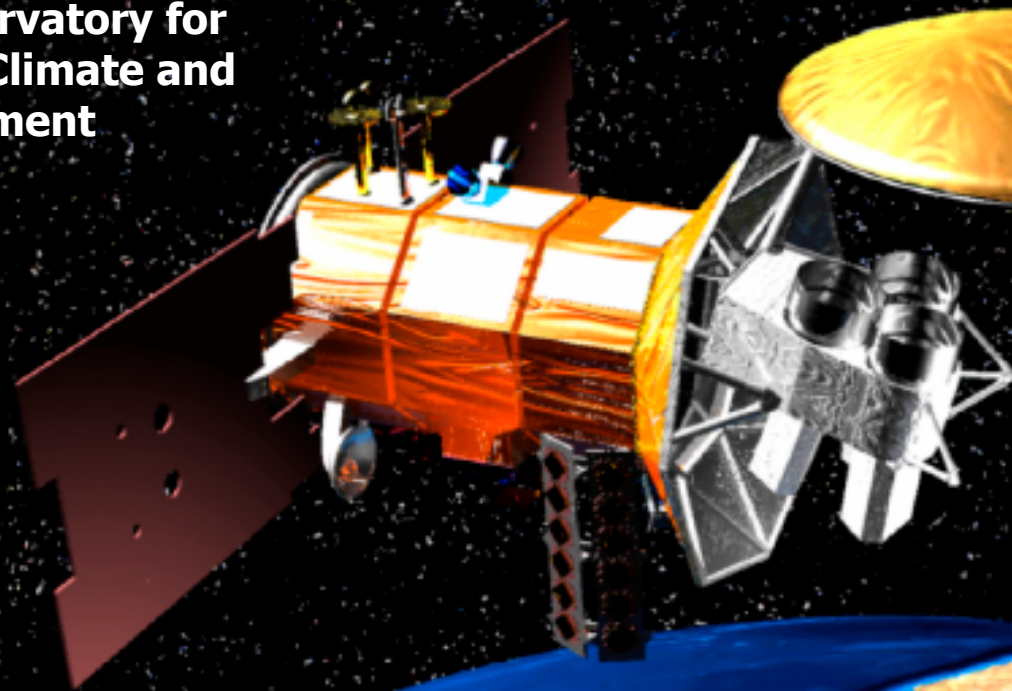




SAC-D/Aquarius



An Observatory for
Ocean, Climate and
Environment

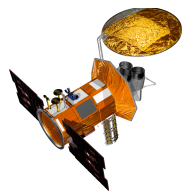


SAC-D/Aquarius

**SESSION B Working
Groups Conclusions:**

- NIRST
- HSC
- -DCS

*7th Aquarius SAC-D Science Meeting
Buenos Aires – April 11-13, 2012*



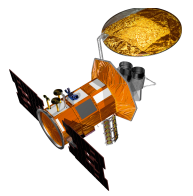
NIRST:

Different approaches have been presented on Relative Calibration issues

Steps to improve the present state of calibration

(Simon Hook's suggestions):

- **Put together a detailed test plan to apply to the engineering model.**
- **Gather as many Cold Sky Calibrations as possible (deep space)**
- **Take moon-look views**
- **Look at homogeneous areas:**
 - **Atlantic Ocean**
 - **Different Large Lakes (to get a wide range of temperatures)**
 - **Hot Targets**



HSC:

Presentations on:

- **Relative Calibration**

- **Absolute Calibration TOA (with the Radiance used during the radiometric characterization in the lab)**

Users:

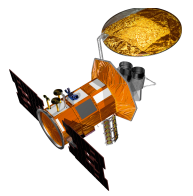
Urban Night Lights – A presentation on key aspects on calibration to radiance, filters, etc. of the data from the three platforms that will be used (SAC-C, SAC-D, DMSP)

- Issues to deal with:

- **illumination effects**
- **noise patterns**
- **eventual lights**
- **georeferenced data**

- Requirements:

- **To acquire data as often as possible during the winter period in the South Hemisphere, starting in June, July and August**



DCS:

2 oral and 1 poster presentations

At present, there are many potential users, mainly from governmental organizations and meetings have already been held.

In this session DCS has been presented to the scientific community and there were several teams interested in using the system.

-Future tasks:

- **finish and test the ten transmitters that are being built by UNLP (La Plata University)**
- **Design and implement the web system for storage and retrieval of user's environmental data**