

# Earth System Science and International Collaboration Transcription

I need to change gears a little bit here and talk a little bit more about space in general, and our international collaborations. We have many more satellites than just Aquarius in orbit. This is our fleet of earth observing satellites that we have at NASA. Oceanography has always been a very international endeavor. I have been working with many countries on different ships over my lifetime.

The satellite world is much the same. We have the Jason series that we work on with France. QuickScat and its predecessors we worked on with Japan along with the Tropical Rainfall Measuring Mission. Landsat has just been replaced by a new Landsat measurement. We launched those missions for the US Geological Survey.

We get our temperature measurements from the Aqua and Terra satellites. We make atmospheric chemistry observations with Aura. We measure the sun with SORCE. We measure the earth's gravity and the changes in the mass of the ocean with GRACE. We measure clouds from CALIPSO and Cloudsat. We really are in the business of earth systems science. As you can imagine since we live on Planet Ocean, the oceans play a central role in all of these studies.