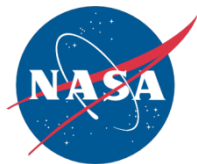
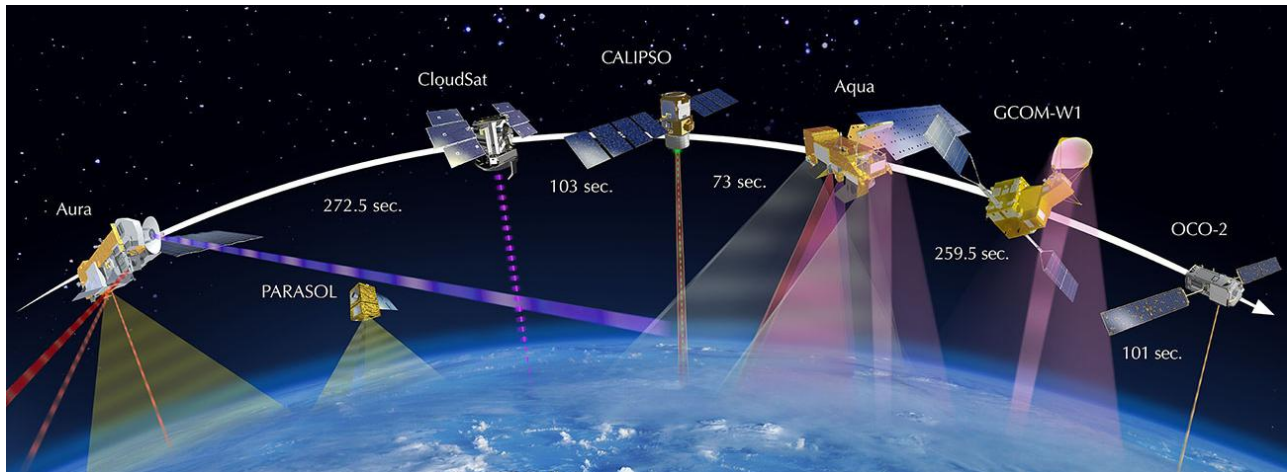


# 1<sup>st</sup> Circular

## 3<sup>rd</sup> International A-Train Symposium 2015 4-6 March 2015, Southern California



## 1<sup>st</sup> Circular

### 3<sup>rd</sup> International A-Train Symposium 2015 4-6 March 2015, Southern California

The A-Train is now celebrating its 8th anniversary. The 3rd International A-Train Symposium will be an opportunity to learn more about A-Train scientific breakthroughs and to highlight how Earth science has benefitted from multi-sensor data and the growing length of the data records. The 3rd Symposium follows on previous A-Train Symposia held in Lille, France in 2007 and in New Orleans in 2010. The Symposium will provide a forum for exchanging information on the latest scientific advancements made possible by multi-sensor measurements.

The A-Train satellites -- Aqua (2002), Aura (2004), PARASOL (2004), CALIPSO (2006), CloudSat (2006), GCOM-W1 (2012) and OCO-2 (launch July 2014) -- bring together a rich array of instruments and observing strategies to better understand Earth's changing environment and climate. Combined measurements from the A-Train have enabled interdisciplinary studies that significantly advance our understanding of many complex processes in the atmosphere, ocean, and land. The unprecedented extensive collection of measurements and geophysical products continues to grow in length and improve in quality, providing a valuable resource for improving and validating climate, weather and other environmental models. The multi-year dataset also provides the potential for longer-term studies, including analyses of intra-seasonal variability.

The Symposium will emphasize science capabilities and advancements realized through the A-Train multi-sensor system. Morning plenary sessions will include invited keynote talks, while afternoon sessions will include selected oral talks and posters aligned with the four theme areas below:

- Atmospheric composition and chemistry, including seasonal and climate variability and trends
- Aerosols, clouds, radiation, and the hydrological cycle, including seasonal and climate variability and trends
- Atmospheric, oceanic, and terrestrial components of the carbon cycle, including seasonal and climate variability and trends
- Weather and other operational applications

In the interest of expanding the Symposium to include broader Constellation efforts, we welcome abstracts for a special session involving the Morning

Constellation, which flies two instruments common to the A-Train and shares similar data synergy and fusion challenges. Additionally, there will be a special discussion on future Constellation opportunities, such as the ESA Convoy.

The A-Train Symposium, scheduled to take place 4-6 March 2015 in Southern California, is sponsored by NASA and will require a registration fee. A 2nd Circular will contain specific information on Symposium location, hotel, registration and abstract submission. The Symposium is open, and prospective participants are strongly encouraged to submit abstracts. Only a limited number of opportunities will be available for afternoon oral presentations, but poster sessions are planned to be a key part of the Symposium.

Please join us as we take this opportunity to enhance our understanding of the capabilities of the A-Train and learn of its successes.

Sincerely,

The A-Train Symposium Organizing Committee

Hal Maring, NASA HQ

Cheryl Yuhas, NASA HQ

Chip Trepte, NASA LaRC

Lazaros Oreopoulos, NASA GSFC

Anne Douglass, NASA GSFC

Steve Platnick, NASA GSFC

Keiji Imaoka, JAXA

Jerome Riedi, University of Lille, France

Philippe Veyre, CNES

Jacques Pelon, CNRS-University Paris

David Crisp, JPL

Graeme Stephens, JPL

Deborah Vane, JPL