

Dear colleagues,

We welcome presentations on using small satellites / cubesats for radiation belts observations in the following session. Abstracts can be submitted online at <http://www.cospar2017.org/sub0302> by April 14, 2017.

3-5. Radiation Belts Observations using Small Satellites: What Would be the Best Way to Fill Data Gaps?

* Scientific Organizer(s): Vincent Maget (ONERA, France) and J Bernard Blake (The Aerospace Corporation, USA)

Session Summary:

Radiation belts specifications are still an active field of research as well as a big challenge. Indeed, many data gaps still exist, especially in the SLOT region, where the new EOR (Earth Orbit Rising) platforms will encounter drastic environments for a few months. The idea of this session is to discuss on:

- the new/valuable small detectors opportunities that exist or are being prototyped,
- in-flight feedback from already flown small missions such as Cubesats and which orbits can be reached as launch opportunities are still the main constraint today,
- opportunities of "operational" constellations for radiation belt situation awareness (referencing the current ESA SSA framework): how to define a realistic and interesting one?

Symposium details:

The 3rd COSPAR Symposium
Small Satellites for Space Research
18-22 September 2017, Jeju, Korea
<http://www.cospar2017.org/>

Best regards,

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