

Kyohei

Akiyama

Japan Aerospace Exploration Agency (JAXA)

Sachiyo Kasho, JAXA

Norimasa Ito, JAXA

Oral

Japan Aerospace Exploration Agency (JAXA) has proposed the first ocean surface topography mission in Japan, named COMPIRA. In the mission, JAXA will deliver near real time products to users within 6 to 12 hours(TBD), as well as precise products which require a radial orbit accuracy of 3cm RMS within 60 days (TBD). In order to meet these requirements, JAXA has developed a GPS-based Precision Orbit Determination (POD) software, which can estimate orbits of Low Earth Orbit (LEO) satellites with an accuracy of a few centimeters. This poster provides a brief overview of the POD software and accuracy evaluation results of the existing LEO satellite missions.

OSTS session

Precision Orbit Determination

Meeting name

Ocean Surface Topography Science Team (OSTST) Meeting

[Download to PDF](#)