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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 Precise 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
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