

ALOS serie data observation for land application

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The Advanced Land Observing Satellite-2 (ALOS-2) was successfully launched on 24th May, 2014. The mission sensor of ALOS-2 is the Phased Array type L-band Synthetic Aperture Radar-2 called PALSAR-2 which is the state of the art L-band SAR system. Until now, ALOS-2 has had contributed to a lot of emergency observations for disasters such as earthquakes flood, land slide which were impacted by typhoons, and volcano eruptions, not only in Japan but also in the world, especially in Asia Pacific region through Sentinel Asia framework for disaster monitoring using EO satellites under Asia Pacific Regional Space Agency Forum (APRSAP). As a successor of ALOS and ALOS-2, JAXA develops ALOS-3 for high resolution optical and ALOS-4 for L-band SAR in Japanese Fiscal Year 2020. This paper describes ALOS serie data provision and data calibration and validation for land application.

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