

## On ionospheric correction of ALOS/PALSAR interferograms using GEONET data (preliminary report)

Hiroshi Munekane<sup>1\*</sup>

<sup>1</sup>GSI of Japan

At Geospatial Information Authority of Japan (GSI), we have been using ALOS/PALSAR interferograms to monitor crustal deformations. We noticed that occasionally local crustal deformations to appear in interferograms are masked by long-wavelength noise. One of the causes for such a long-wavelength noise in the interferograms is ionospheric disturbances.

We developed a preliminary method for correcting the effect of ionospheric disturbances in the ALOS/PALSAR interferograms using GEONET data. In this presentation, we will present the details of the method and result of the performance evaluation using the ALOS/PALSAR data.

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