

Position of grounding line at outlet glacier.

*Chiyuki Narama¹, Tsutomu Yamanokuchi², Shin Sugiyama³

1. Program of Field Research in the Environmental Sciences, Niigata University, , 2. RESTEC, 3. Institute of Low Temperature Science, Hokkaido University

To identify a grounding line at the Langhovde Glacier in East Antarctica, "double differential interferometric SAR (DDInSAR) analysis" is performed using ALOS-2 / PALSAR-2 microwave data. By comparing the vertical component obtained by DDInSAR with the field survey data, we estimated position of a grounding line at the Langhovde Glacier.

Keywords: outlet glacier, grounding line, Langhovde Glacier, DDInSAR