



Flood disaster monitoring with ALOS/PALSAR observation

N. Kawano

Earth Observation Research Center, Japan Aerospace Exploration Agency, Tsukuba, Japan(nory_reserve@yahoo.co.jp)

Phased array type L-band Synthetic Aperture Radar(PALSAR) boarded on Advanced Land Observing Satellite(ALOS) provides high resolution (6.25 m pixel spacing) data even in the night and severe weather conditions, which is useful to monitor flood disasters.

Active convection systems passed over Gifu prefecture in middle Japan and provided much precipitation during 02-03 September 2008, which caused flood to Seino area, Gifu prefecture. PALSAR observation was conducted at 2230(local time) on 02 September and 1031(local time) on 03 September 2008.

This research will present these observation results and discuss effective algorithm to identify flood-inundated area by using ALOS/PALSAR observation.