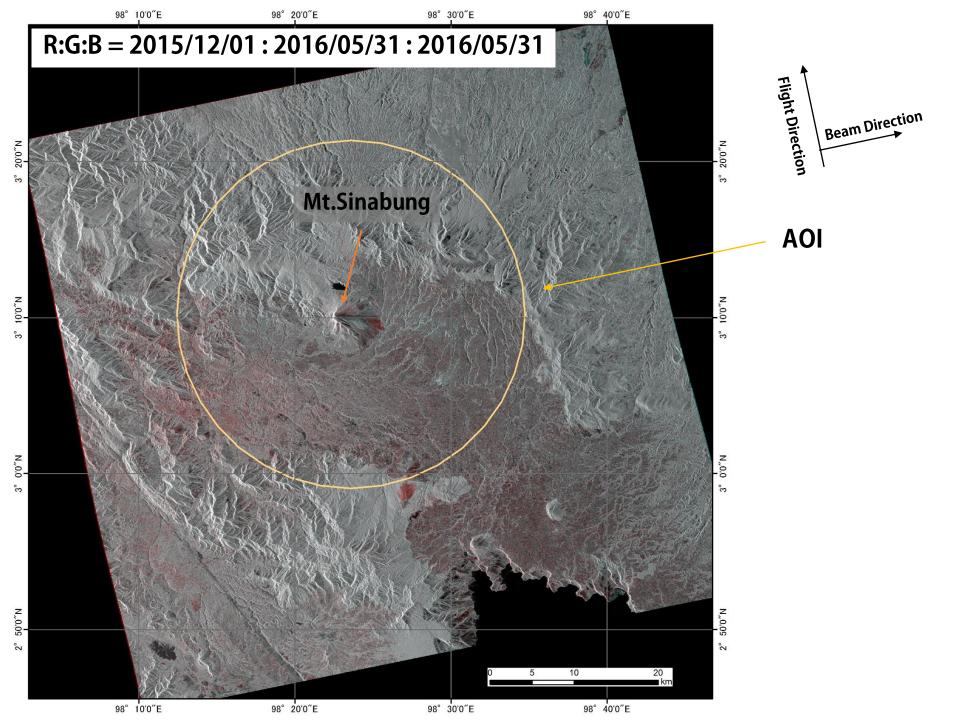


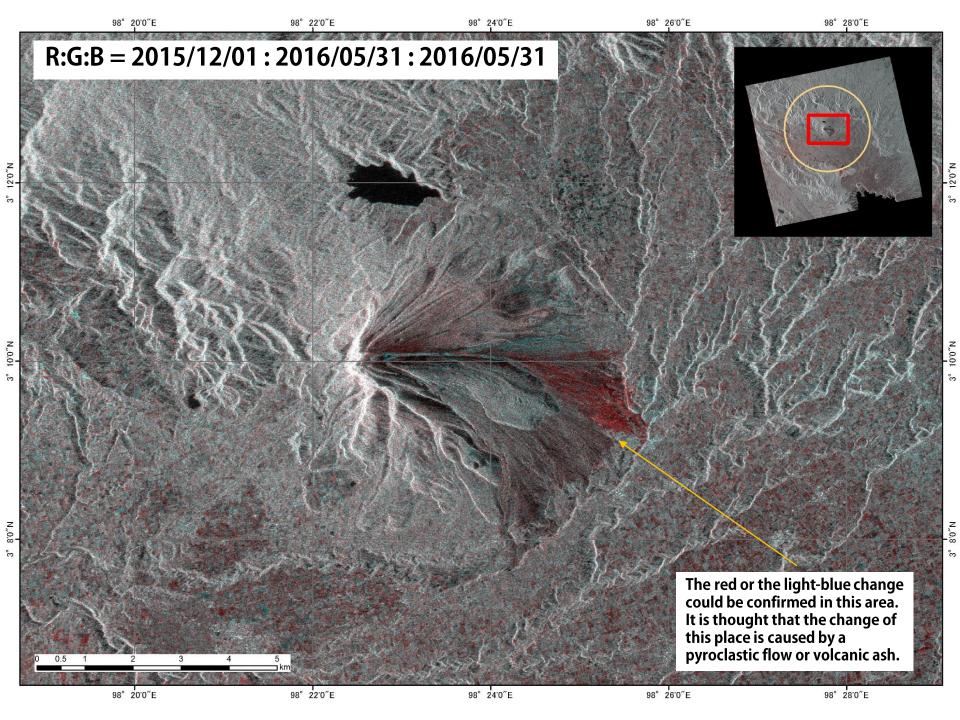
# Initial Analysis results of Mt. Sinabung eruption using ALOS-2/PALSAR-2

Japan Aerospace Exploration Agency (JAXA)
Remote Sensing Technology Center of Japan (RESTEC)

## **Utilized Data**

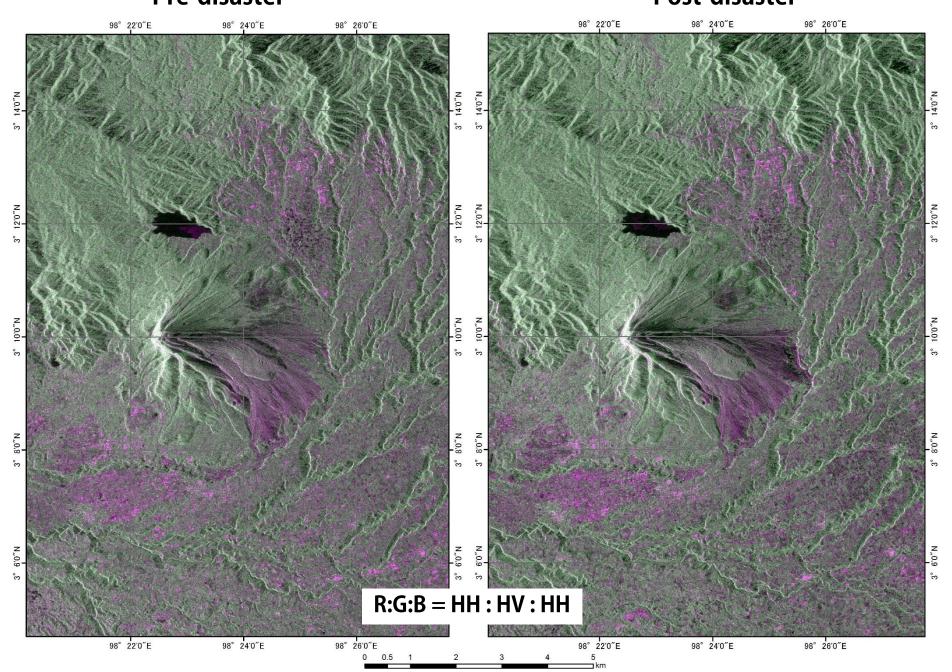
	Obs.Date	Mode	Satellite/Sensor	Pol.	Flight Direction	Off-nadir angle	Beam Direction
Pre- disaster	2015/12/1	FBD	ALOS-2/ PALSAR-2	HH+ HV	Ascending	28.2°	Right
Post- disaster	2016/5/31	FBD	ALOS-2/ PALSAR-2	HH+ HV	Ascending	28.2°	Right



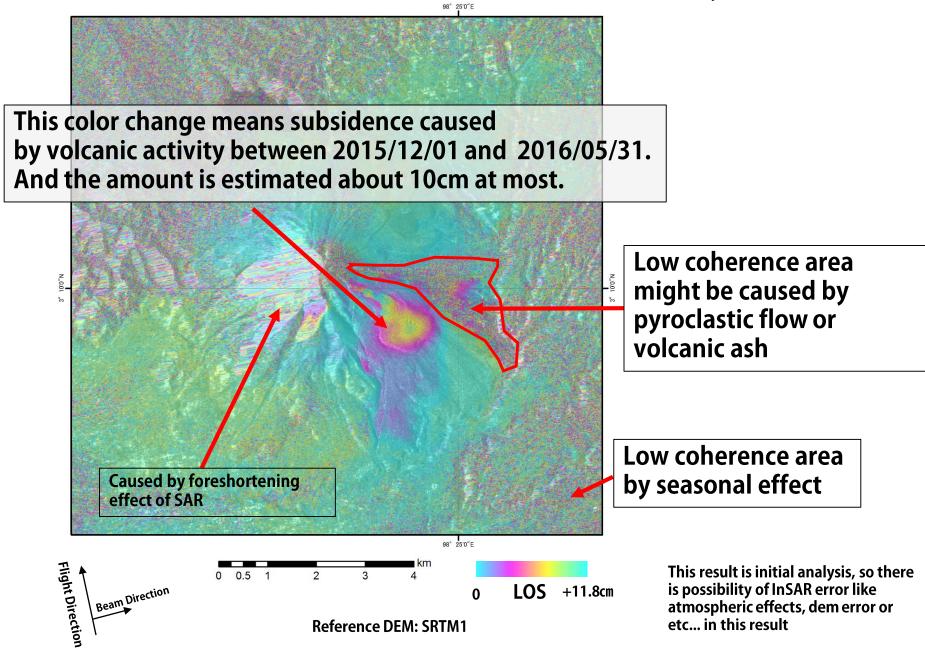


#### **Pre-disaster**

#### **Post-disaster**



## **Result of Differential Interferometry**



### Result

- ALOS-2/PALSAR-2 observed Mt. Sinabung
- Using L1.5 (power) image could detect and estimate the affected area by volcanic activity like pyroclastic flow and volcanic ash.
- Interferometry result can detect the affected area only but could detect the subsidence associated volcanic activity.