Initial Analysis results of Forest fire Situation in Philippines using ALOS-2/PALSAR-2

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Introduction

- **Summary of data used in this analysis.**
- **We use L1.5 data in this analysis.**

	Obs. Date	Mode	Satellite/Sensor	Pol.	Flight Direction	Off-nadir angle	Beam Direction
Pre-disaster	2015/06/15	FBD	ALOS-2 /PALSAR-2	HH +HV	Descending	36.2	Right
Post-disaster	2016/04/04	FBD	ALOS-2 /PALSAR-2	HH +HV	Descending	36.2	Right

# Philippine forest fires analysis results

- **Use the observation data of April 4, 2016 and June 15, 2015, it was to create an RGB color composite image and the polarization composite image.**

- **From an image, Confirmed the change in around the Apo mountain . However, it cannot judge to be a change by the forest fire. Causes of the changes except the forest fire include a change of the vegetation.**

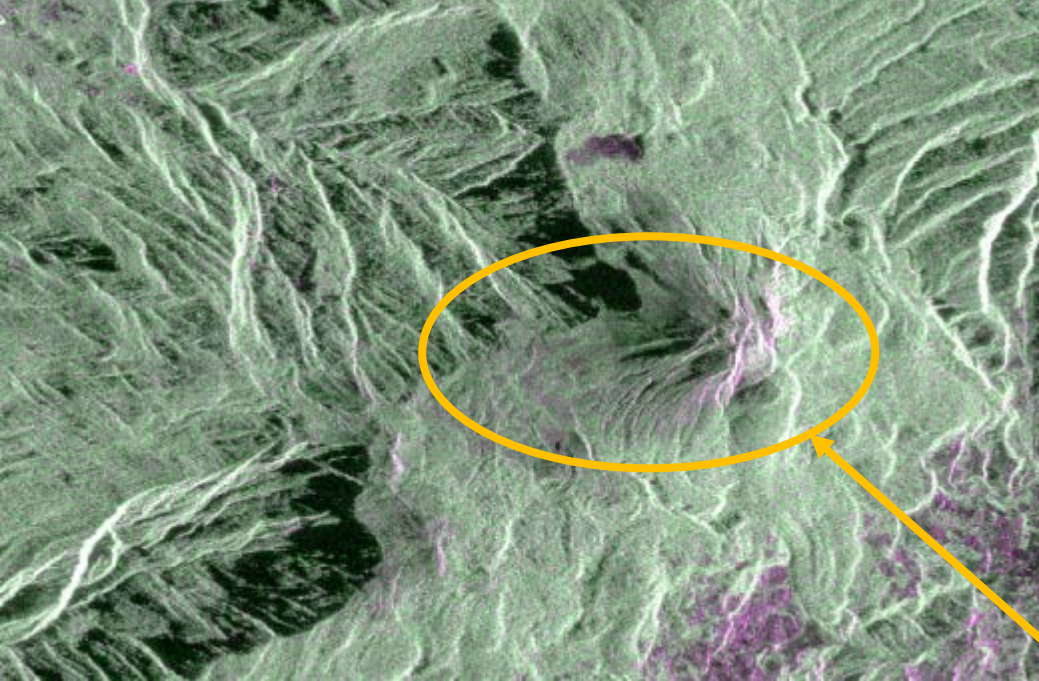- **Observed LANDSAT-8 image on April 5, 2016, it was not possible to check the spread of fire place is covered in clouds.**
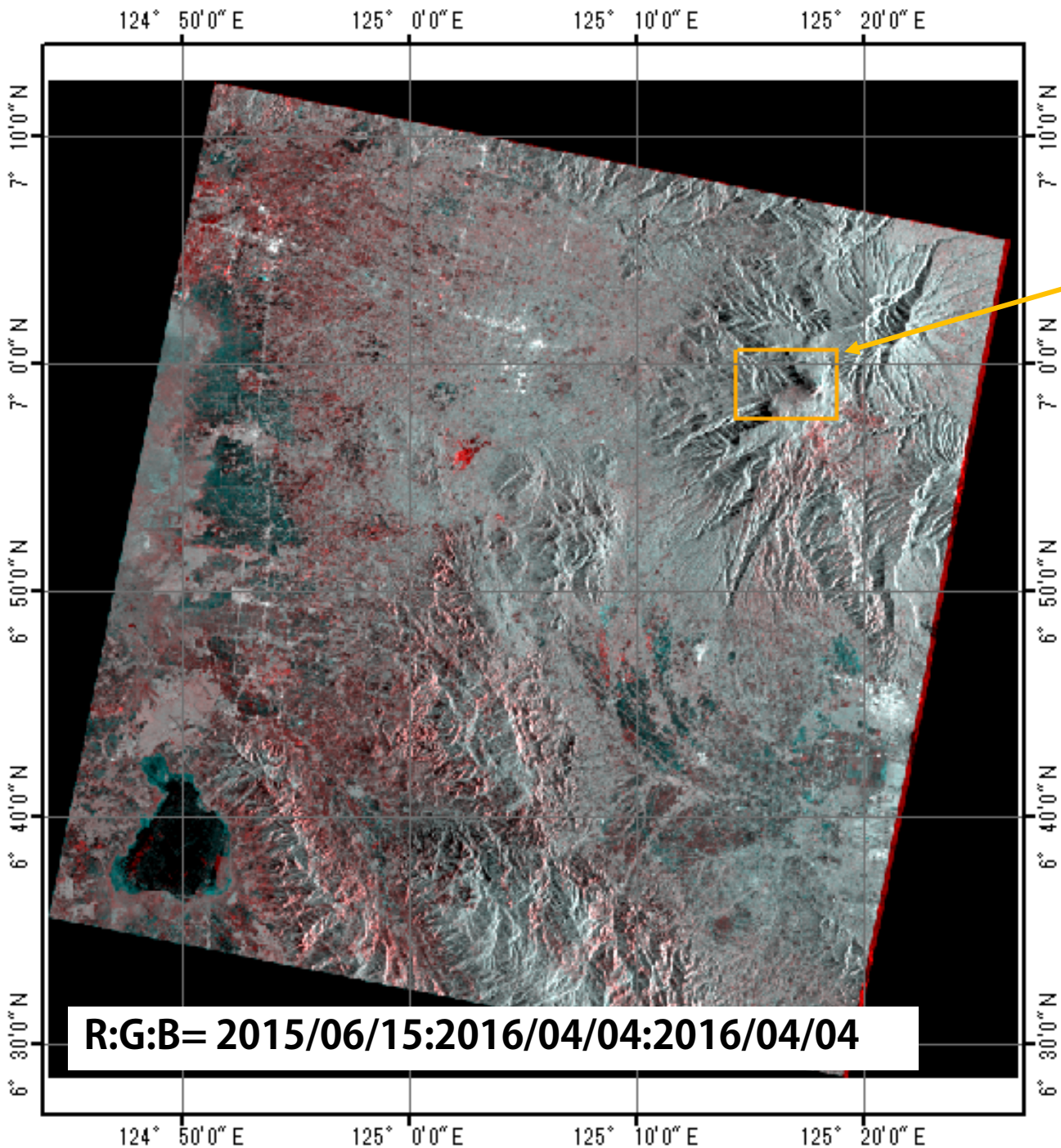
R:G:B= 2015/06/15:2016/04/04:2016/04/04

Confirmed a red or light blue change in around the Apo mountain. However, it cannot judge to be a change by the forest fire.
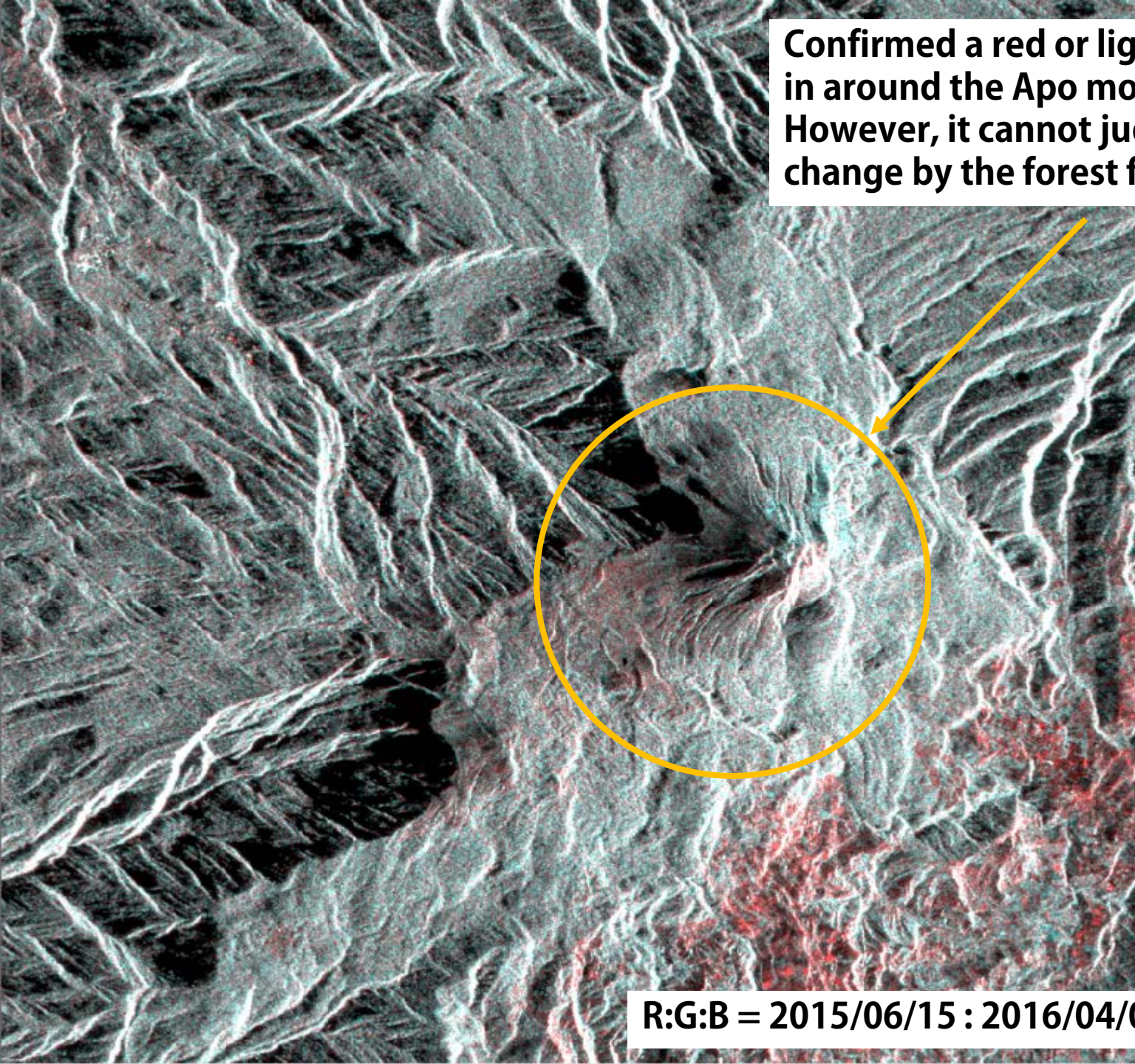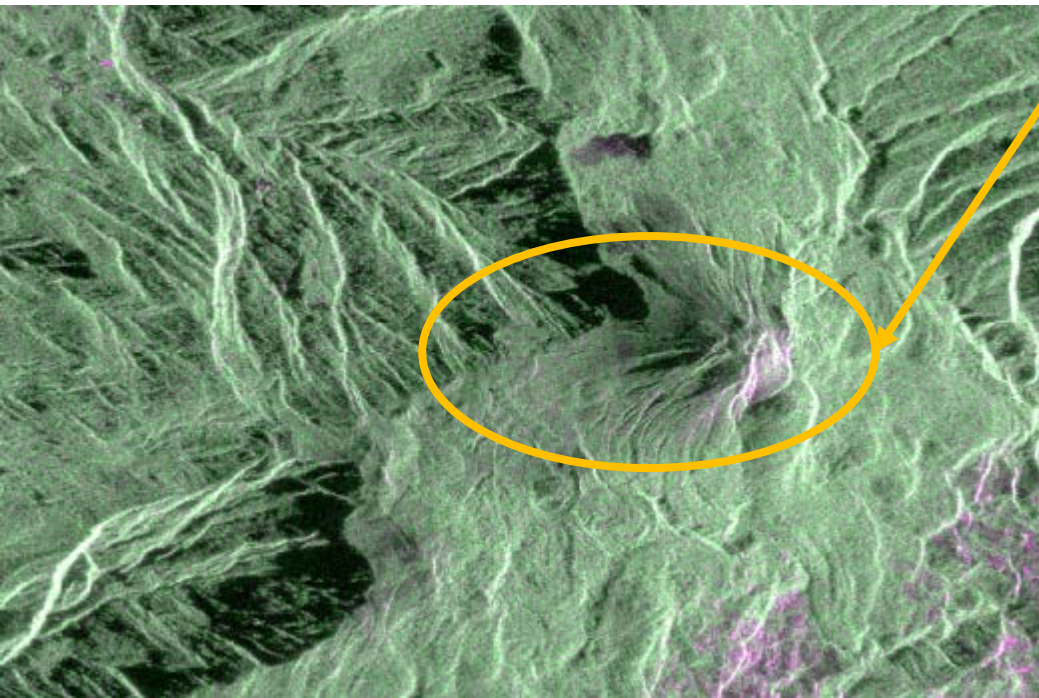
R:G:B = 2015/06/15 : 2016/04/04 : 2016/04/04

Obs.date：2016/04/04
R:G:B= HH:HV:HH

Confirmed the change in
around the Apo mountain.
However, it cannot judge to be
a change by the forest fire.

Obs.date ：2015/06/15
R:G:B= HH:HV:HH