



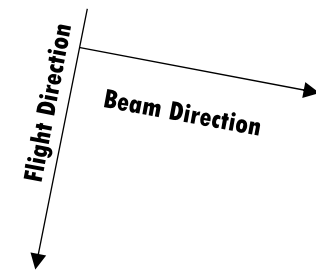
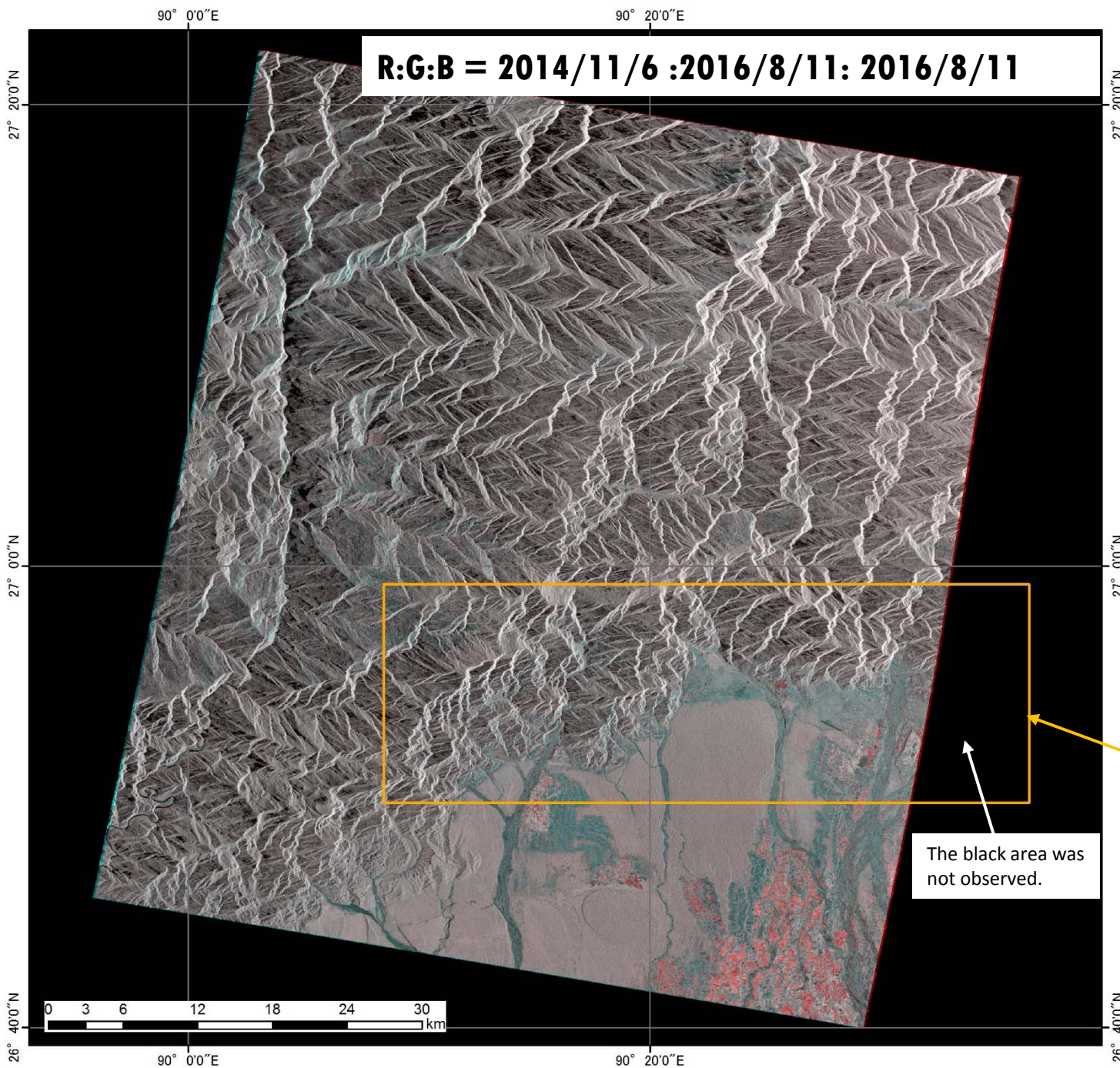
Initial Analysis results of Flood in Bhutan using ALOS-2/PALSAR-2

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	2014/11/6	SM1	ALOS-2/ PALSAR-2	HH	Descending	29.1°	Right
Post-disaster	2016/8/11	SM1	ALOS-2/ PALSAR-2	HH	Descending	29.1°	Right



A blue/red part shows that the backscatter coefficient of SAR image(2016/08/12) is stronger/weaker than one of image (2014/11/06) respectively.

#The seasonal change is included in this color change.

AOI(Yellow square)

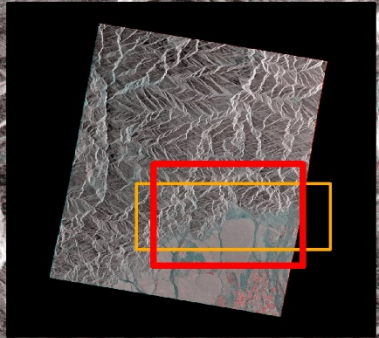
The black area was not observed.

- Upper left
Latitude : 26° 59' 14.94" N
Longitude : 90° 13' 70" E
- Lower right
Latitude : 26° 49' 43.34" N
Longitude : 90° 36' 25.00" E

R:G:B = 2014/11/6 : 2016/8/11: 2016/8/11

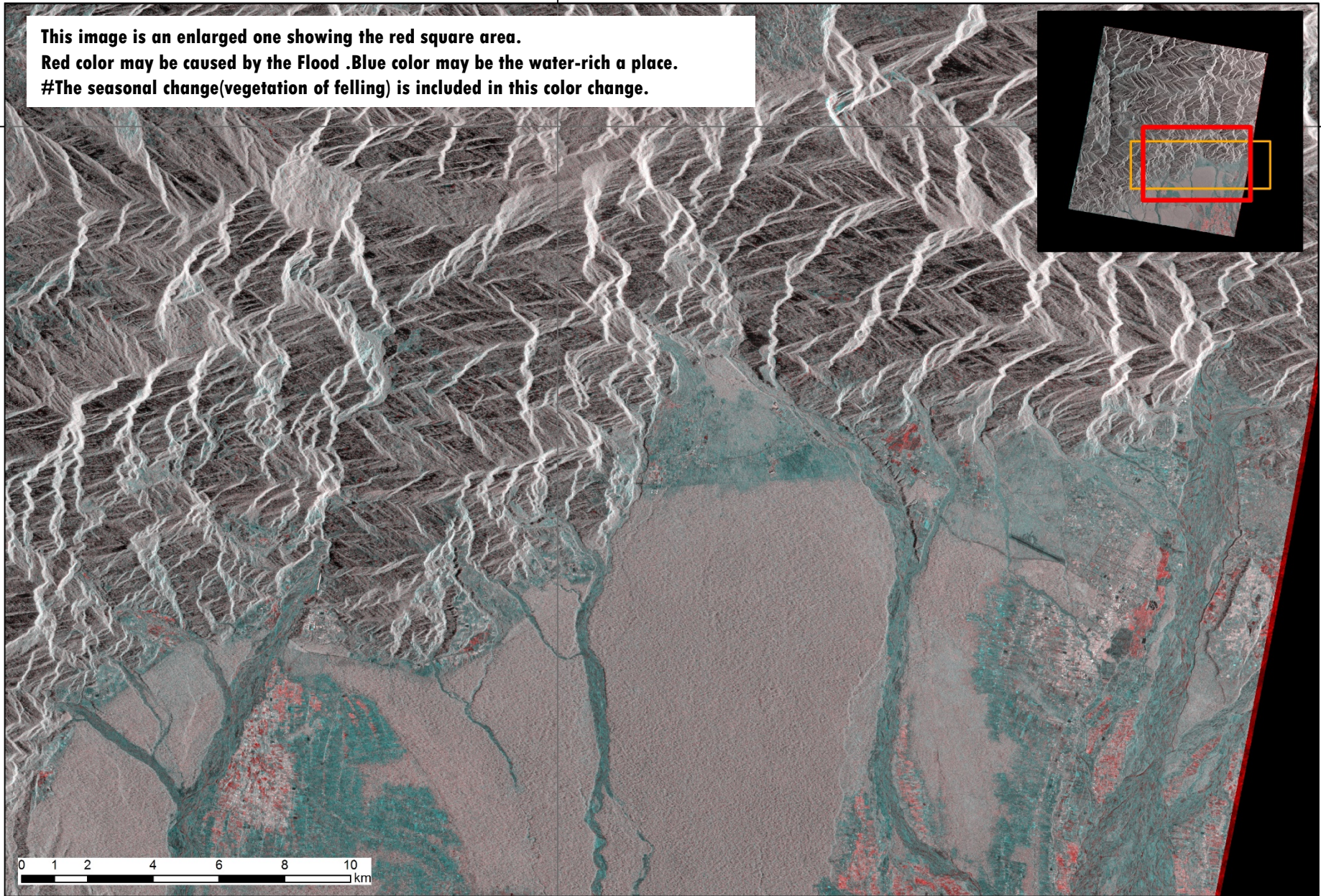
90° 20'0"E

**This image is an enlarged one showing the red square area.
Red color may be caused by the Flood .Blue color may be the water-rich a place.
#The seasonal change(vegetation of felling) is included in this color change.**



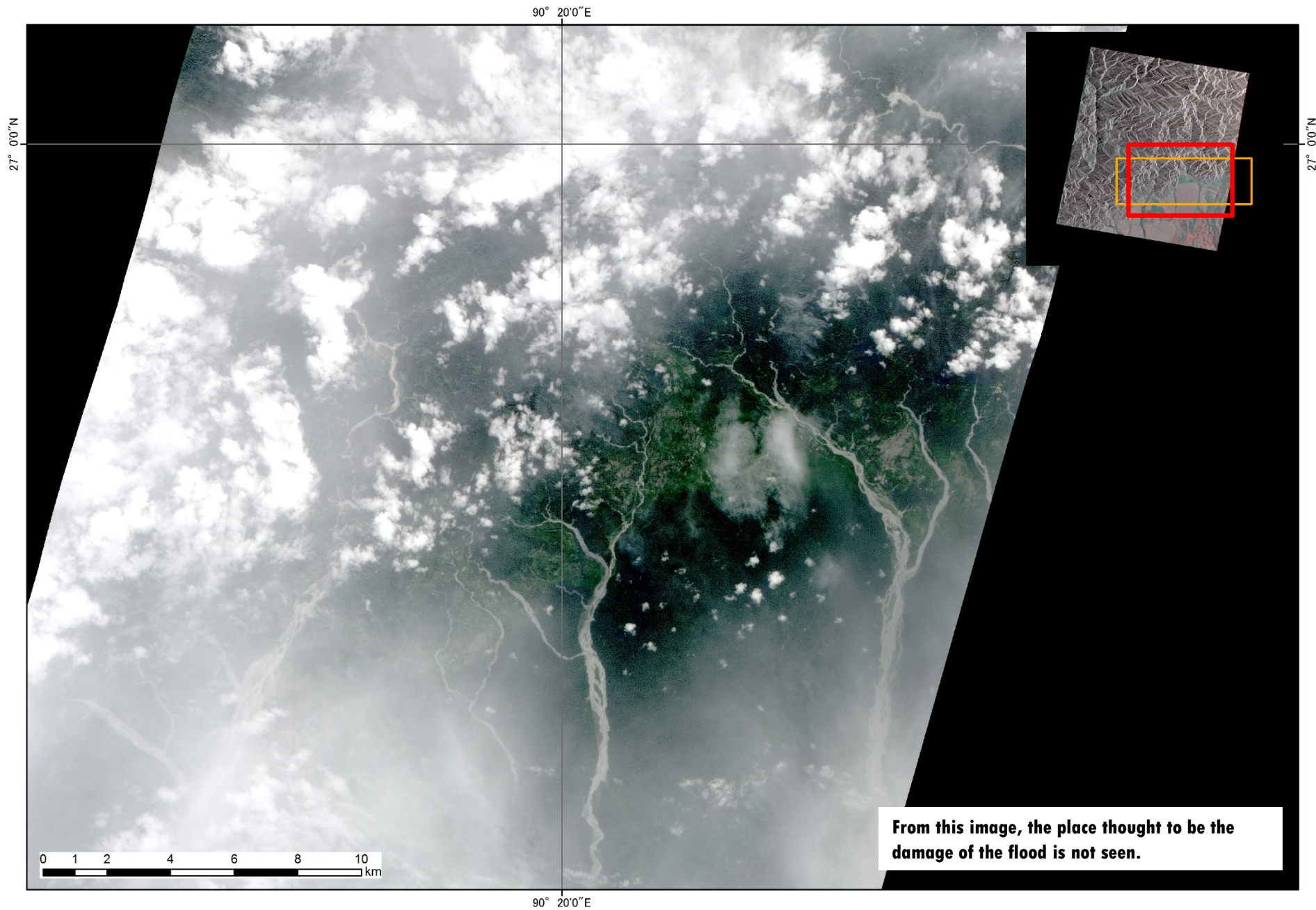
27° 00'N

27° 00'N



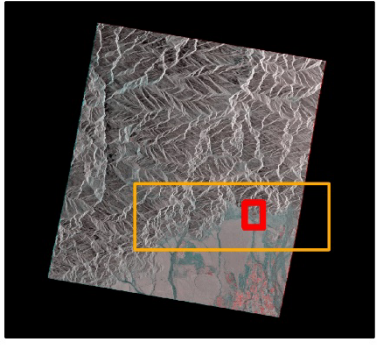
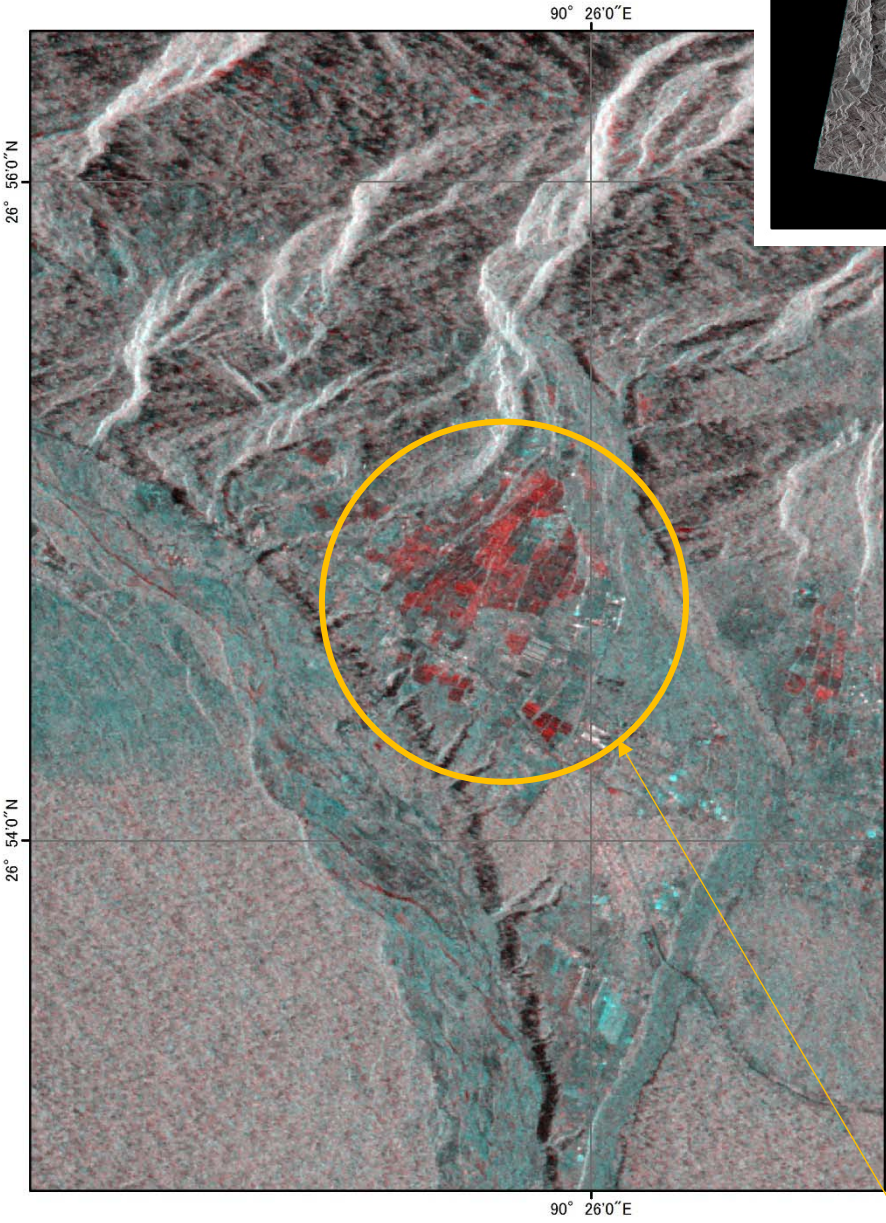
90° 20'0"E

THEOS Pansharp image 2016/8/4



From this image, the place thought to be the damage of the flood is not seen.

ALOS-2 RGB Color composite



THEOS Pansharp image



The place that with red shows may be a bare land.