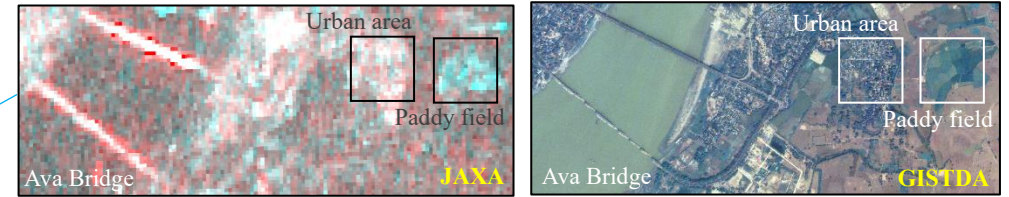
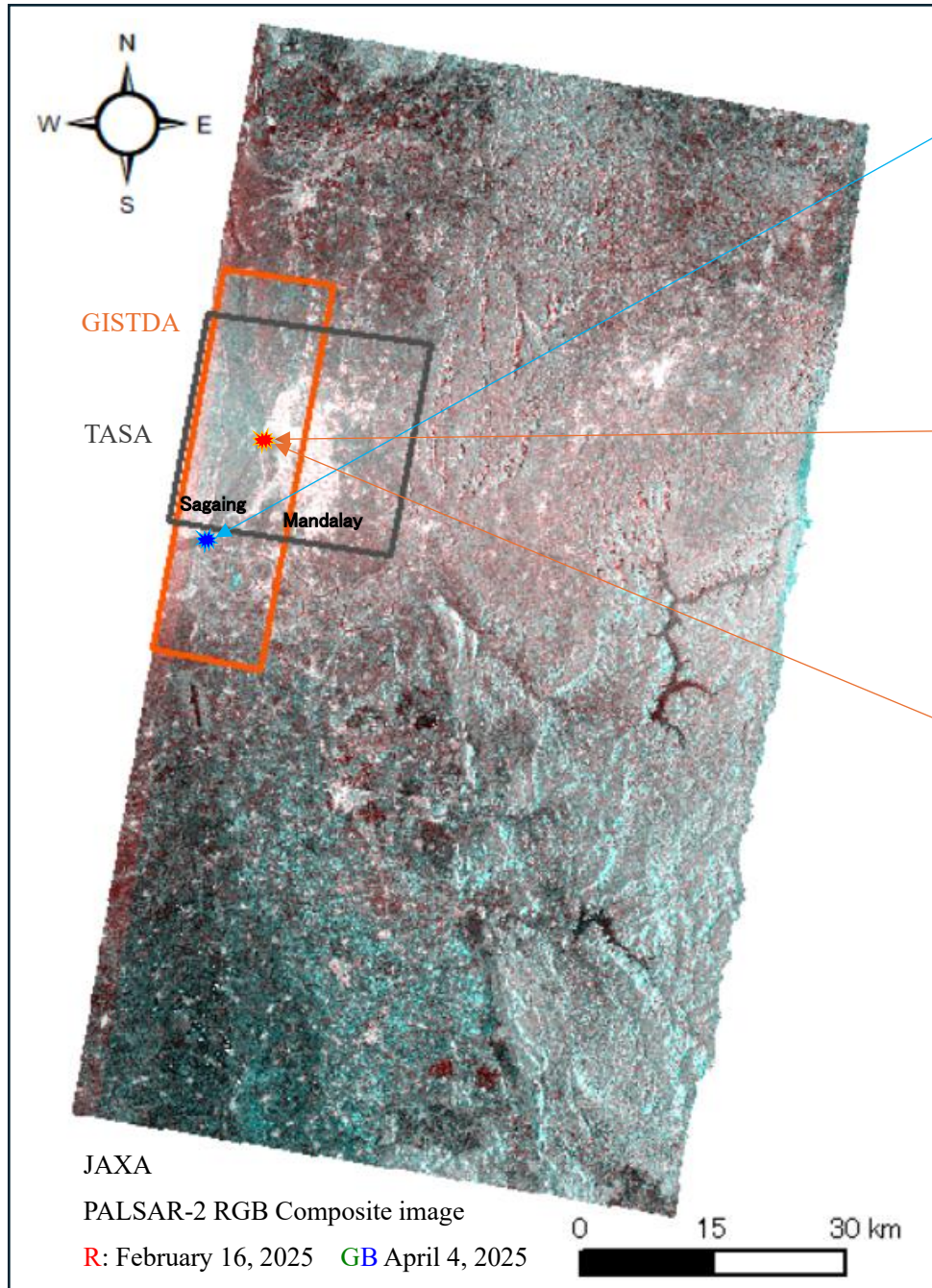


Analysis of Changes in Myanmar Earthquake Affected Areas Using Satellite Imagery



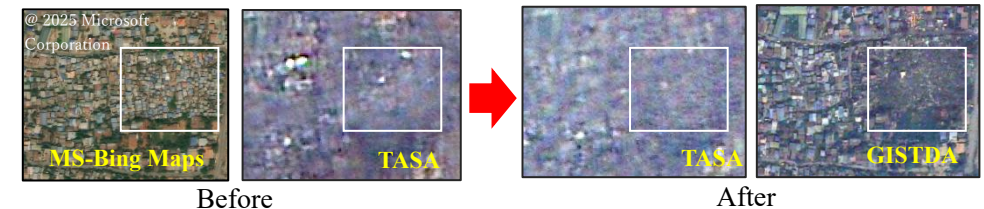
PALSAR-2: Areas of increased scattering intensity (colored cyan) appear to be mainly due to seasonal changes in the farmland.

GISTDA: Shows the collapse of the Ava Bridge.



PALSAR-2: It is difficult to assess building damage with a spatial resolution of 30 meters.

GISTDA: Dense residential areas with suspected building damage



Before the earthquake: TASA's 2-meter resolution satellite imagery makes it difficult to get a detailed picture of the building situation.

Post-disaster: TASA's 2-meter resolution satellite imagery does not provide a detailed picture of buildings; GISTDA's 0.5-meter satellite imagery shows damage

Sensor	Name	Resolution	Date	Organization	Remarks
SAR	PALSAR-2	100 m	Feb. 16, 2025	JAXA, Japan	Before the earthquake
	PALSAR-2	30 m	April 4, 2025	JAXA, Japan	After the earthquake
Optical	THEOS 2	0.5 m	April 3, 2025	GISTDA, Thailand	Pan-sharpen
	FORMOSAT-5	2.0 m	April 7, 2024	TASA, Taiwan	Before the earthquake
	FORMOSAT-5	2.0 m	April 2, 2025	TASA, Taiwan	After the earthquake