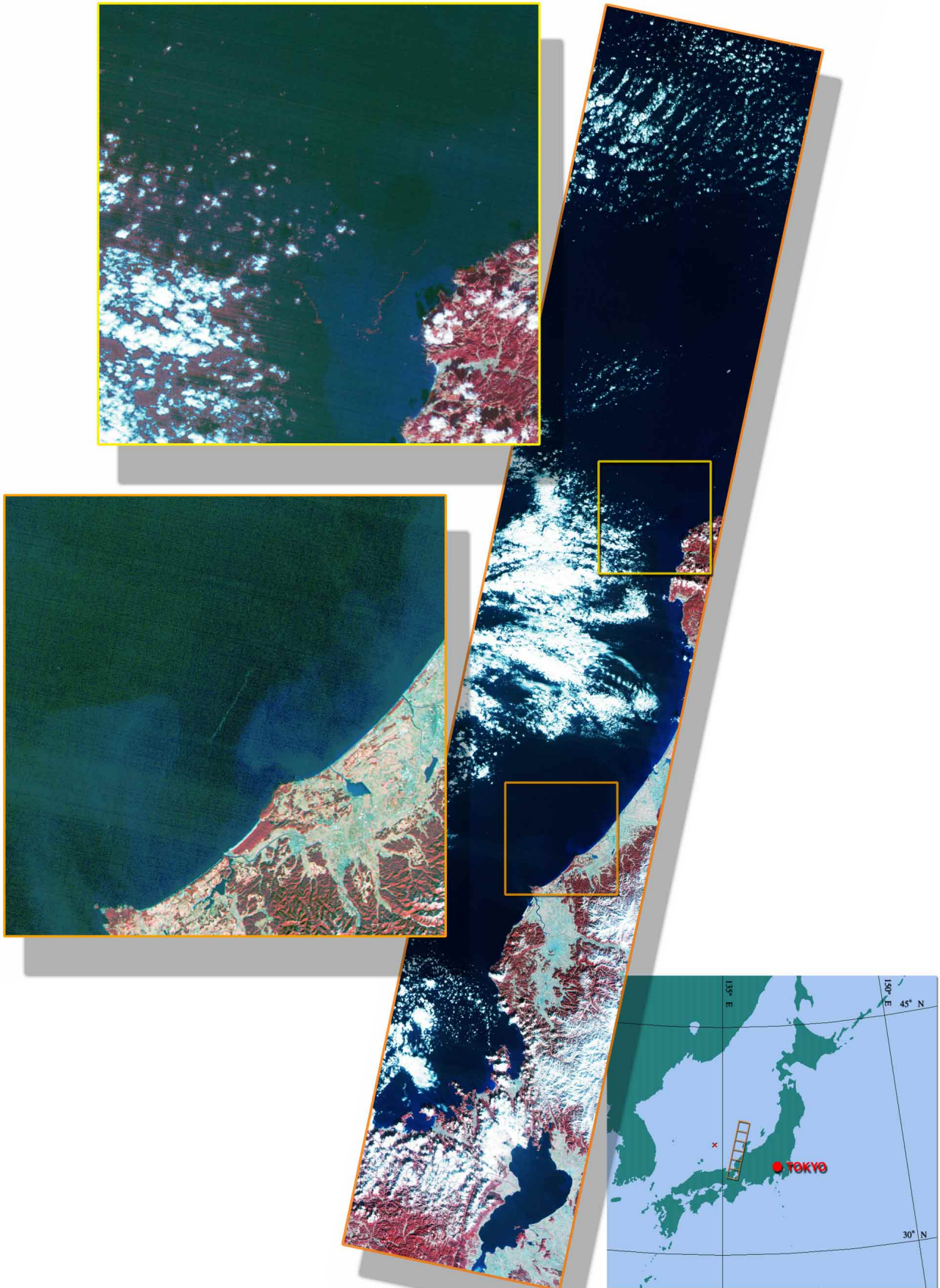


Drifting Oil Detection with JERS-1 OPS



Drifting Oil Detection with JERS-1 OPS

The Russian oil tanker NAKHODKA (13,157 gross tons) ran aground in the Japan Sea off Shimane Prefecture on January 2, 1997, and its heavy fuel oil spill damaged the coastal area.

The long image on the right is an OPS false-color mosaic and extends from Noto Peninsula to Wakasa Bay (75km~450km). This data was acquired on January 17, 1997.

Analysis of these data revealed patterns thought to represent floating oil.

In the upper left image, there are two belts of red; the right one is 120m wide and 7,000m long, and left one is 550m wide and 4,500m long.

In the lower left image, there is one belt of gray which is 100m wide and 7,500m long.

These analysis results verified that it is possible to confirm floating oil patterns using the OPS.