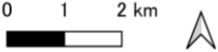


Damaged areas report in Wajima City (輪島市)

GeoEye-1
 Activation-857 (Call-984) – Earthquake, Tsunami in Japan

IMAGE METADATA

EVENT=202401_Earthquake_JP
 NENTITY_ID=GE01N37_454861E136_8681942024010200000000MS00
 AGENCY=NGAPLATFORM=GEOEYE
 PLATFORM_NUMBER=1
 SENSOR=MS
 ISENSOR_TYPE=MS, PN
 ACQUISITION_DATE=20240102
 ACQUISITION_TIME=015120
 CENTER_LAT=37.45486111111111
 CENTER_LONG=136.8681944444444
 DATUM=WGS84
 INCIDENCE_ANGLE=38.9
 SUN_AZIMUTH=163.1
 SUN_ELEVATION=27.9



DATA ANALYSIS

1. Pansharpened Image was created using PAN bands and MSI bands
2. False colour image was compared with cloud-free image before earthquake from Google Earth
3. Displaying the false colour image using QGIS with 0.02 map unit grid

RESULTS

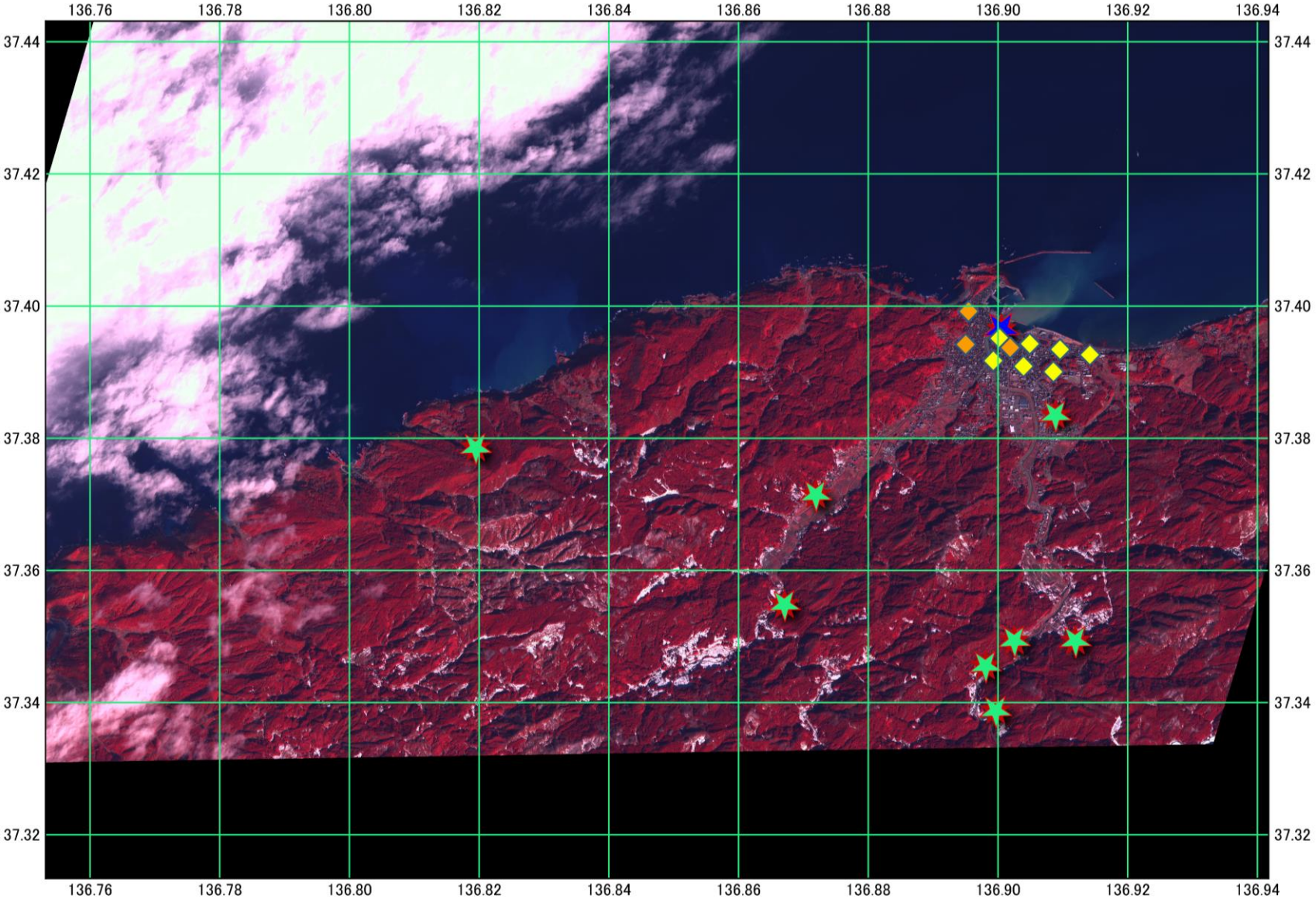
1. One major collapsed building area was found
2. Eight potential landslide areas were detected
3. Ten detected fire spots were found in the city area

Legend

- Detected fire spots (SUOMI_VIIRS 48h)
- Detected fire spots (J1_VIIRS 48h)
- Landslide
- Collapsed buildings

GeoEye-1 Pansharpened

- Band 4
- Band 3
- Band 2



Damaged areas report in Wajima City (Urban area)

GeoEye-1
 Activation-857 (Call-984) – Earthquake, Tsunami in Japan

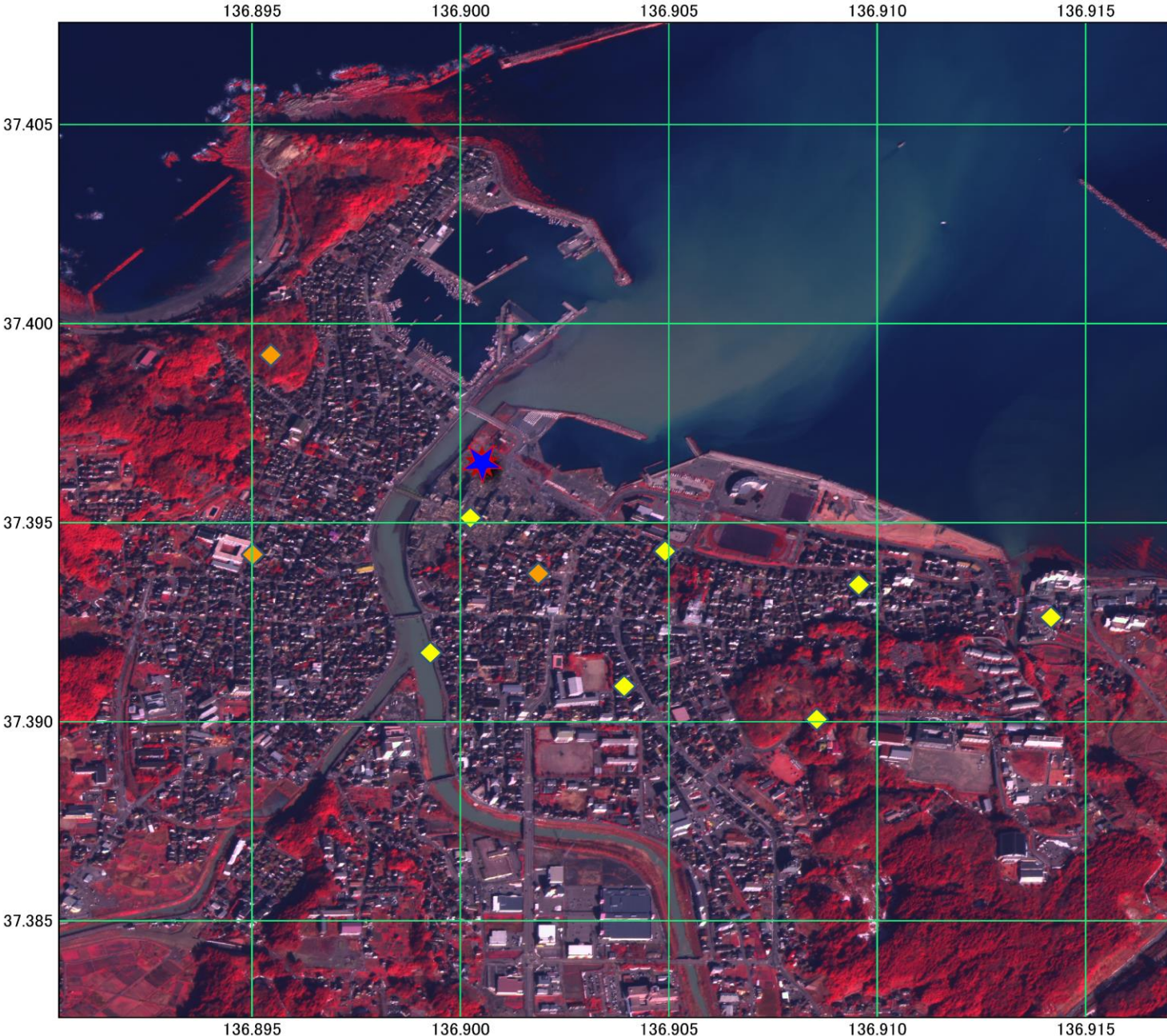
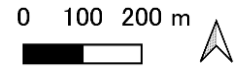


IMAGE METADATA

EVENT=202401_Earthquake_JP
 NENTITY_ID=GE01N37_454861E136_8681942024010200000000MS00
 AGENCY=NGAPLATFORM=GEOEYE
 PLATFORM_NUMBER=1
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 ACQUISITION_DATE=20240102
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 CENTER_LAT=37.45486111111111
 CENTER_LONG=136.8681944444444
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DATA ANALYSIS

1. Pansharpned Image was created using PAN bands and MSI bands
2. False colour image was compared with cloud-free image before earthquake from Google Earth
3. Displaying the false colour image using QGIS with 0.02 map unit grid

RESULTS

1. One major collapsed building area was found
2. Ten detected fire spots were found in the city area

Legend

- Detected fire spots (SUOMI_VIIRS 48h)
- Detected fire spots (J1_VIIRS 48h)
- Collapsed buildings

GeoEye-1 Pansharpned

- Band 4
- Band 3
- Band 2



DigitalGlobe

