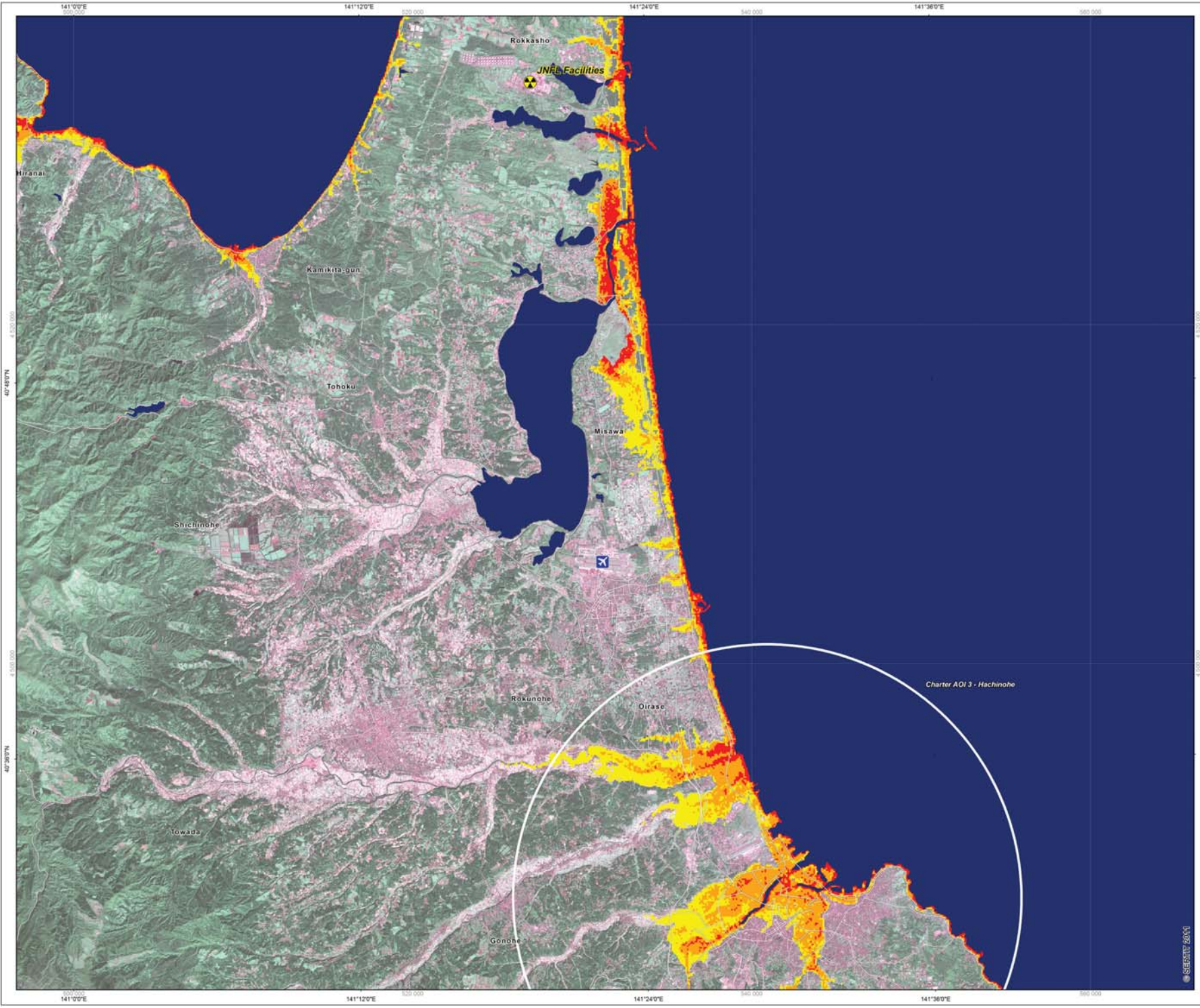

Charter Call ID 359
Product No. 4

JAPAN - Honshu Island
Misawa Area

Rapid Geographic Reference Map

Location Diagrams

Legend

Earthquake epicenter
(Provided by USGS)

Tsunami potentially over-floodeed area

Inland low level areas near the coast :

Coast line distance < 10km		Coast line distance > 10km		
	0 - 3,5 m		0 - 3,5 m	Altitude
	3,5 - 7 m		3,5 - 7 m	
	7 - 12 m		7 - 12 m	

Infrastructure

Airport
Road
Nuclear Power Plant

Interpretation

March 11, 2011 at 5:46 (UTC) an earthquake of magnitude 8.9 hit Japan, occuring offshore at a hundred kilometers east of Miyagi Prefecture in the northeastern part of Honshu island. One hour later, the area was hit by a tsunami devastating everything along its path. First assessment of impact expects very heavy losses, bigger than thousands victims together with heavy structural damages. More, a nuclear threat due to an explosion at the nuclear plant in Fukushima Daiichi aggravate the situation.

Cartographic Information

0 2,5 5 km

N

Local projection: UTM 54 North , Datum: WGS 84
Geographic projection: Lat/Lon (DMS), Datum: WGS 84

Scale: 1:100 000 for A1 prints

Geometric references:
Horizontal: Landsat-7 ETM+, EarthSat Ortho GeoCover, RMSe 50m
Vertical: SRTM, maximum16m specification

Data Sources

Potentially tsunami over-flooded areas from MNT SRTM (90m)
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Background layers
Natural color LANDSAT 7 ETM+ image (14,25m) acquired the 21st of September 2000
© USGS 2000

Other thematic layers & toponymy
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Framework

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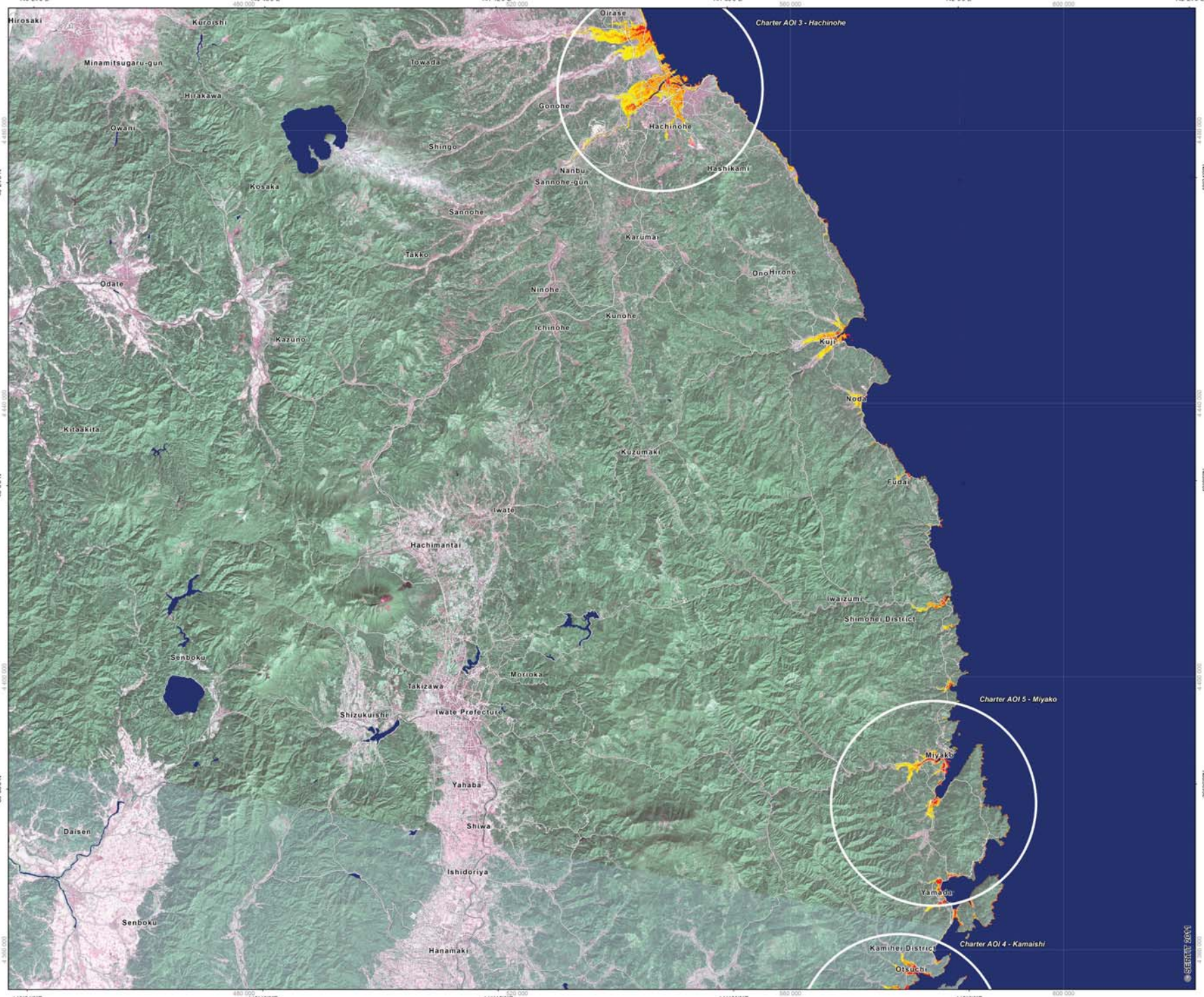

Charter Call ID 359
Product No. 3

JAPAN - Honshu Island
Hachinohe Area
Rapid Geographic Reference Map

Location Diagrams

Legend

Earthquake epicenter
(Provided by USGS)

Tsunami potentially over-floodeed area

Inland low level areas near the coast :

Coast line distance < 10km		Coast line distance > 10km		
	0 - 3,5 m		0 - 3,5 m	Altitude
	3,5 - 7 m		3,5 - 7 m	
	7 - 12 m		7 - 12 m	

Infrastructure

Airport
Road
Nuclear Power Plant

Interpretation

March 11, 2011 at 5:46 (UTC) an earthquake of magnitude 8.9 hit Japan, occuring offshore at a hundred kilometers east of Miyagi Prefecture in the northeastern part of Honshu island. One hour later, the area was hit by a tsunami devastating everything along its path. First assessment of impact expects very heavy losses, bigger than thousands victims together with heavy structural damages. More, a nuclear threat due to an explosion at the nuclear plant in Fukushima Daiichi aggravate the situation.

Cartographic Information

0 5 10 km

N

Local projection: UTM 54 North , Datum: WGS 84
Geographic projection: Lat/Lon (DMS), Datum: WGS 84

Scale: 1:250 000 for A1 prints

Geometric references:
Horizontal: Landsat-7 ETM+, EarthSat Ortho GeoCover, RMSe 50m
Vertical: SRTM, maximum16m specification

Data Sources

Potentially tsumani over-flooded areas from MNT SRTM (90m)
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Background layers
Natural color LANDSAT 7 ETM+ image (14,25m) acquired the 21st of September 2000
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Other thematic layers & toponymy
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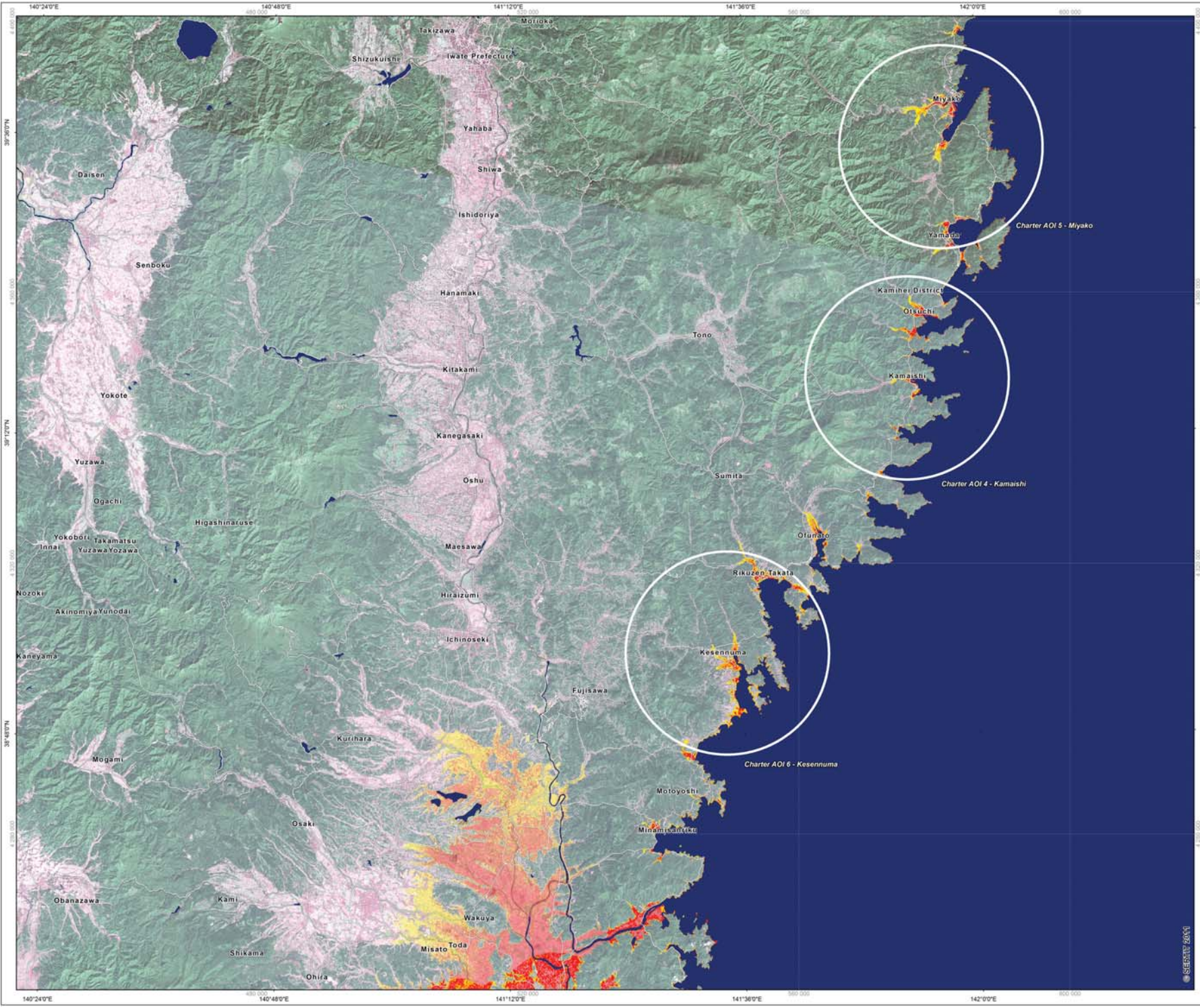

Charter Call ID 359
Product No. 2

JAPAN - Honshu Island
Miyako Area

Rapid Geographic Reference Map

Location Diagrams

Legend

Earthquake epicenter
(Provided by USGS)

Tsunami potentially over-floodeed area

Inland low level areas near the coast :

Coast line distance < 10km	Coast line distance > 10km	
0 - 3,5 m	0 - 3,5 m	Altitude
3,5 - 7 m	3,5 - 7 m	
7 - 12 m	7 - 12 m	

Infrastructure

Airport
Road
Nuclear Power Plant

Interpretation

March 11, 2011 at 5:46 (UTC) an earthquake of magnitude 8.9 hit Japan, occuring offshore at a hundred kilometers east of Miyagi Prefecture in the northeastern part of Honshu island. One hour later, the area was hit by a tsunami devastating everything along its path. First assessment of impact expects very heavy losses, bigger than thousands victims together with heavy structural damages. More, a nuclear threat due to an explosion at the nuclear plant in Fukushima Daiichi aggravate the situation.

Cartographic Information

0 5 10 km

N

Local projection: UTM 54 North , Datum: WGS 84
Geographic projection: Lat/Lon (DMS), Datum: WGS 84

Scale: 1:250 000 for A1 prints

Geometric references:
Horizontal: Landsat-7 ETM+, EarthSat Ortho GeoCover, RMSe 50m
Vertical: SRTM, maximum16m specification

Data Sources

Potentially tsunami over-flooded areas from MNT SRTM (90m)
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Background layers
Natural color LANDSAT 7 ETM+ image (14,25m) acquired the 21st of September 2000
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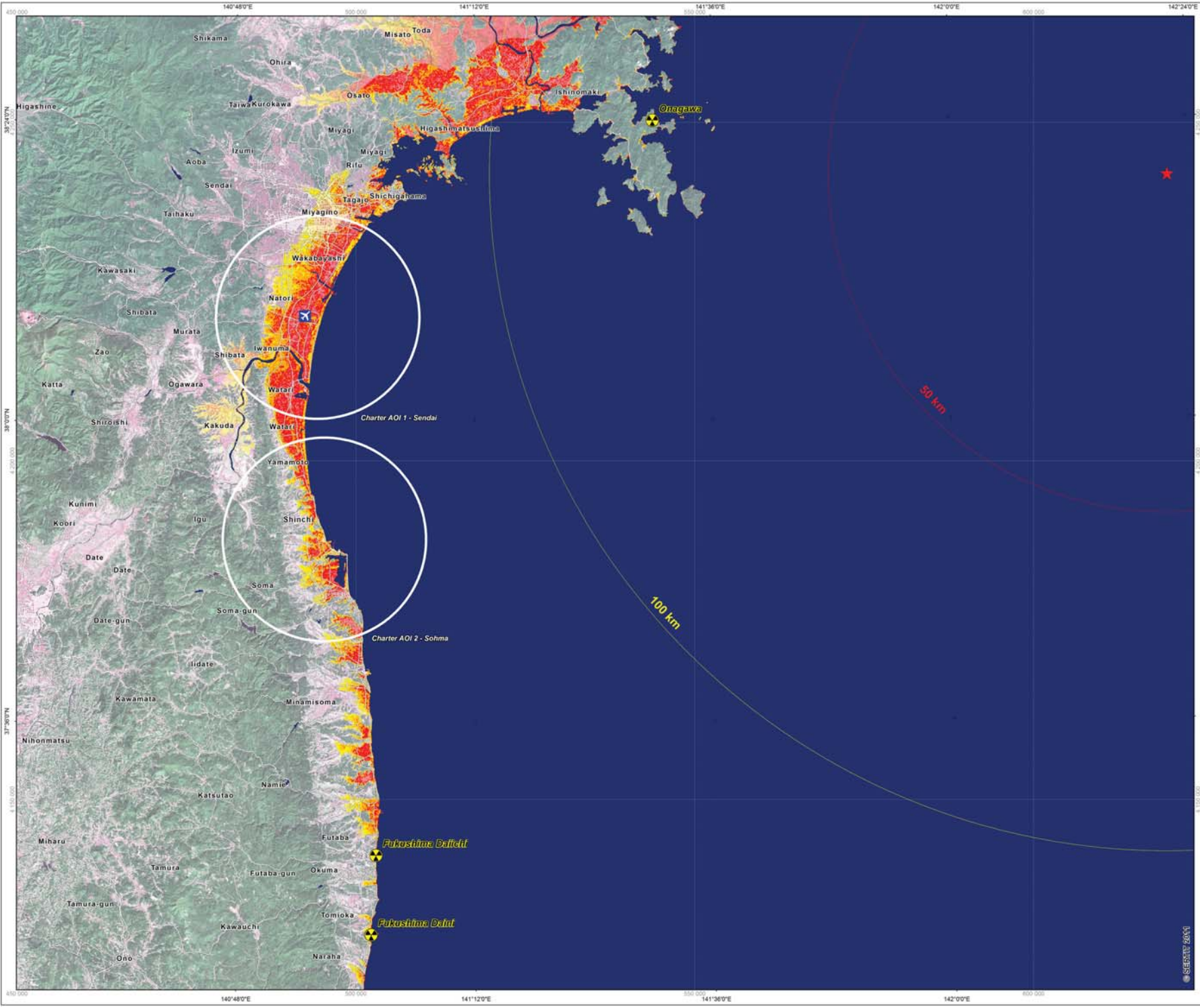

Charter Call ID 359
Product No. 1

JAPAN - Honshu Island
Miyagino Area
Rapid Geographic Reference Map

Location Diagrams

Legend

Earthquake epicenter
(Provided by USGS)

Tsunami potentially over-floodeed area

Inland low level areas near the coast :

Coast line distance < 10km	Coast line distance > 10km	Altitude
0 - 3,5 m	0 - 3,5 m	
3,5 - 7 m	3,5 - 7 m	
7 - 12 m	7 - 12 m	

Infrastructure

Airport
Road
Nuclear Power Plant

Interpretation

March 11, 2011 at 5:46 (UTC) an earthquake of magnitude 8.9 hit Japan, occuring offshore at a hundred kilometers east of Miyagi Prefecture in the northeastern part of Honshu island. One hour later, the area was hit by a tsunami devastating everything along its path. First assessment of impact expects very heavy losses, bigger than thousands victims together with heavy structural damages. More, a nuclear threat due to an explosion at the nuclear plant in Fukushima Daiichi aggravate the situation.

Cartographic Information

0 5 10 km

N

Local projection: UTM 54 North , Datum: WGS 84
Geographic projection: Lat/Lon (DMS), Datum: WGS 84

Scale: 1:250 000 for A1 prints

Geometric references:
Horizontal: Landsat-7 ETM+, EarthSat Ortho GeoCover, RMSe 50m
Vertical: SRTM, maximum 16m specification

Data Sources

Potentially tsunami over-flooded areas from MNT SRTM (90m)
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Background layers
Natural color LANDSAT 7 ETM+ image (14,25m) acquired the 21st of September 2000 and the 24th of September 2001
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Other thematic layers & toponymy
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