

DAMAGE ASSESSMENT OF ATACAMES AREA, ESMERALDAS PROVINCE, ECUADOR

Analysis with Pleiades Data Acquired 18 April 2016 and WorldView-2 Data Acquired 18 August 2013.

This map illustrates satellite-detected potential damaged structures in the city of Atacames in Esmeraldas Province, Ecuador, approximately 55 km north the 16 April 2016 Muisne earthquake mainshock epicenter. Using a Pleiades satellite image acquired 18 April 2016 and a WorldView-2 image

acquired 18 August 2013, UNITAR - UNOSAT identified 58 potentially damaged structures of which 11 were destroyed, 14 severely damaged, and 33 moderately damaged. This is a preliminary analysis and not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Earthquake



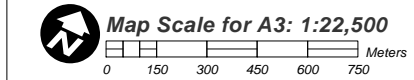
Production Date: 20/04/2016

Version 1.0

Glide Number: EQ20160417ECU



- LEGEND**
- Town
 - ★ Epicenter
 - Destroyed
 - Severe Damage
 - Moderate Damage
 - Primary Road
 - Parroquia Boundary
 - ☁ Cloud Obstruction



Satellite Data (1): Pleiades
 Imagery Date: 18 April 2016
 Resolution: 50 cm
 Copyright: CNES (2016), Distribution AIRBUS DS
 Source: Airbus Defence and Space
 Satellite Data (2): WorldView-2
 Imagery Date: 18 August 2013
 Resolution: 50 cm
 Copyright: Digital Globe, Inc
 Source: USGS/HDDS
 Road Data: OpenStreetMap (via bbbike.com)
 Other Data: USGS, UNCS, NASA, NGA
 Analysis: UNITAR / UNOSAT
 Production: UNITAR / UNOSAT
 Analysis conducted with ArcGIS v10.3

Coordinate System: WGS 1984 UTM Zone 17N
 Projection: Transverse Mercator
 Datum: WGS 1984
 Units: Meter

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian and development agencies and their implementing partners.

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Disaster coverage by the International Charter 'Space and Major Disasters'. For more information on the Charter, which is about assisting the disaster relief organizations with multi-satellite data and information, visit www.disasterscharter.org

Damage in Atacames Area	
Damage Level	Count
Destroyed	11
Severe Damage	14
Moderate Damage	33
Total	58

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