Damage Assessment in the town of Atzala, Municipality of Atzala, State of Puebla, Mexico

This map illustrates satellite-detected, potentially damaged structures in the town of Atzala, Atzala Municipality, Puebla State, Mexico. The analysed area is located approximately 7 km west of the mainshock epicentre of the 19 September M 7.1 earthquake. UNITAR-UNOSAT identified 91 potentially damaged structures of which 78 are within the town extent. Taking in account the total 559 pre-event structures in Atzala town, 14% of the structures are likely to be damaged. These analyses was performed using a post-event Pleiades satellite image acquired on 22 September 2017 and a pre-event WorldView-2 satellite image acquired on 11 April 2017. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Legend
- Damaged structure
- City / Town
- Local road
- Town extent
- Municipality boundary

Map Scale for A3: 1:7,500

Analysis conducted with ArcGIS 10.4.1

Satellite Data (1): Pleiades
Imagery Date: 22 September 2017
Resolution: 0.5 m
Copyright: Airbus Defence and Space
Source: Airbus Defence and Space

Satellite Data (2): WorldView-2
Imagery Date: 11 April 2017
Resolution: 0.5 m
Copyright: DigitalGlobe, Inc
Source: USGS - HDS

Analysis: UNITAR-UNOSAT
Production: UNITAR-UNOSAT

Copyright: DigitalGlobe, Inc
Resolution: 0.5 m
Imagery Date: 11 April 2017
Satellite Data (2): WorldView-2

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