

# DAMAGE ASSESSMENT OF AR RAQQA, AR RAQQA GOVERNORATE, SYRIA

Analysis with Pleiades Data Acquired 29 May 2015, 12 February 2014 WorldView-2 Data, 22 October 2013 WorldView-1 Data, and 16 April 2011 QuickBird-2 Data

This map illustrates satellite-detected damage in a portion of the city of Ar Raqqa, Syrian Arab Republic. Using satellite imagery acquired 29 May 2015, 12 February 2014, 22 October 2013, and 16 April 2011, UNITAR - UNOSAT identified a total of 1,336 affected structures within the extent of this map. Approximately 678 of these were destroyed, 215 severely damaged, and 443 moderately damaged. The city-wide analysis of Ar Raqqa revealed a total of 1,601 affected structures, of which 842 were

destroyed, 251 severely damaged, and 508 moderately damaged. While some of the city was damaged by 12 February 2014, 1,203 structures were newly damaged and 11 structures experienced an increase in damage between that date and 29 May 2015. This analysis was done of the REACH initiative for the U.S. Office of Foreign Disaster Assistance. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

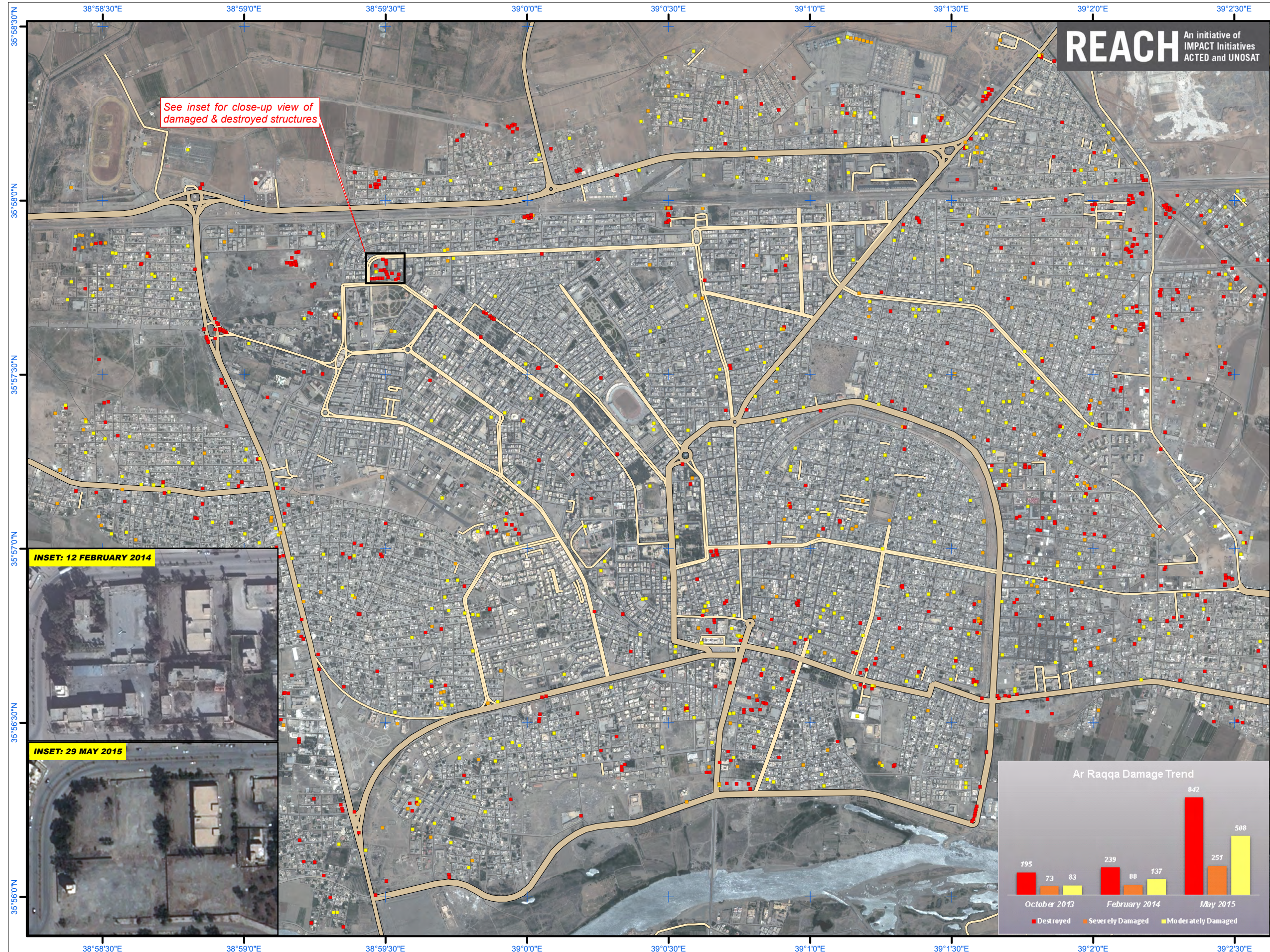
**Complex Emergency**



Production Date: 7/9/2015

Version 1.0

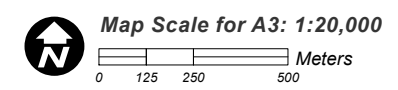
Activation Number: CE20130604SYR



**REACH** An initiative of IMPACT Initiatives ACTED and UNOSAT



- LEGEND**
- Destroyed
  - Severely Damaged
  - Moderately Damaged
  - Highway / Primary Road
  - Secondary Road
  - Local / Urban Road



Satellite Data (1): Pleiades  
Imagery Dates: 29 May 2015  
Resolution: 50 cm  
Copyright: © CNES (2015), Distribution AIRBUS DS  
Source: Airbus Defense and Space  
Satellite Data (2): WorldView-2  
Imagery Date: 12 February 2014  
Resolution: 50 cm  
Copyright: DigitalGlobe  
Source: European Space Imaging  
Satellite Data (3): WorldView-1  
Imagery Date: 22 October 2013  
Resolution: 50 cm  
Copyright: DigitalGlobe  
Source: European Space Imaging  
Satellite Data (4): QuickBird-2  
Imagery Date: 16 April 2011  
Resolution: 65 cm  
Copyright: DigitalGlobe  
Source: European Space Imaging  
Road Data: Google Map Maker / OSM / ESRI  
Other Data: USGS, UNCS, NASA, NGA  
Analysis: UNITAR / UNOSAT  
Production: UNITAR / UNOSAT  
Analysis conducted with ArcGIS v10.3

Coordinate System: WGS 1984 UTM Zone 37N  
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

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