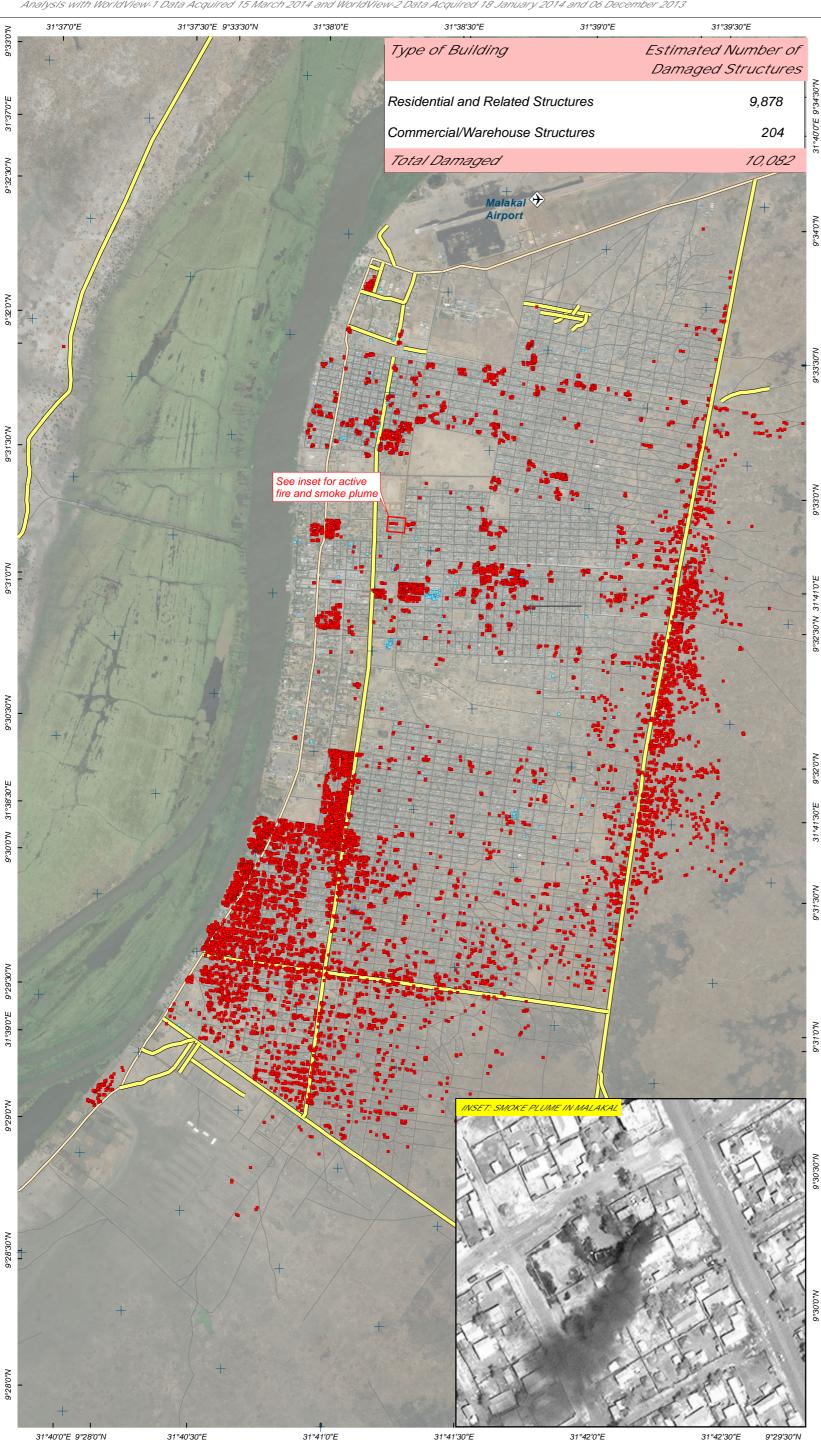
DAMAGE ASSESMENT IN THE CITY OF MALAKAL, UPPER NILE STATE, SOUTH SUDAN

Analysis with WorldView-1 Data Acquired 15 March 2014 and WorldView-2 Data Acquired 18 January 2014 and 06 December 2013



Emergency

Production Date: 21/03/2014

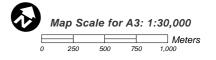
Version 1.0

Glide Number: CE20131218SSD



This map illustrates satellite-detected areas of destruction in the town of Malakal as seen by the WorldView-1 satellite on 15 March 2014. UNOSAT identified a total of 9,878 destroyed residential and related structures and a total of 204 destroyed warehouse or commercial structures throughout the area analyzed. Comparison with pre-conflict building data for Malakal indicates the 22% of the city has been destroyed. The previous UNOSAT analysis of Malakal using an image from 18 January 2014 located 573 destroyed structures, meaning a massive increase in the level of damage is present as of 15 March 2014. The heaviest damage is found in the eastern and southern portions though is also present across the city. As of 15 March, active fires were visible in Malakal (see inset), as are fortifications and indications of military activity. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR / UNOSAT.

LEGEND Residential and Related Structures Commercial/Warehouse Structures Highway/Primary Road Secondary Road Local/Urban Road Airport



Imagery Dates: 15 March 2014 Resolution: 50 cm Copyright: DigitalGlobe Source: US Department of State, Humanitarian Information Unit, NextView License

Satellite Data (2): WorldView-2 Imagery Dates: 18 January 2014 Resolution: 50 cm Copyright: DigitalGlobe Source: US Department of State, Humanitarian

Information Unit, NextView License

Satellite Data (1): WorldView-1

Satellite Data (3): WorldView-2 Imagery Date: 06 December 2013 Copyright: DigitalGlobe

Source: US Department of State, Humanitarian Information Unit, NextView License Road Data: OSM (via bbbike) Other Data: USGS, UNCS, NASA, NGA Analysis: UNITAR / UNOSAT Production: UNITAR / UNOSAT

Analysis conducted with ArcGIS v10.1 Coordinate System: WGS 1984 UTM Zone 36N 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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