



# SATELLITE IMAGAE-DERIVED EARTHQUAKE DAMAGE ASSESSMENT

Adassil/Al Haouz, 6.8M earthquake of 08-09-2023 (22:11 UTC) Chichaoua & Al Houz Province, Marrakech- Tensifit – Al Haouz Region, Morocco







# Destroyed and Damaged buildings observed in Marrakech - Tensift - Al Haouz Region, Morocco







2900

**Number of Deaths** 

5500

Number of Injured

Source: CBS news.com 12th September 2023

# Legend



Area analyzed



Administrative boundary

# **Ardouz Village**, Chichaoua Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°21'29.712"W 31°6'25.304"N







# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

Administrative boundaries: https://www.diva-gis.org/gdata

# Maxar: 10 September 2023

#### Disclaimer



# Ait Ihla Village, Chichaoua Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°21'35.615"W 31°6'39.492"N









# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

Administrative boundaries: <a href="https://www.diva-gis.org/gdata">https://www.diva-gis.org/gdata</a>

# Maxar: 10 September 2023

#### Disclaimer



# **Tnirte Village**, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°19'8.985"W 31°6'20.742"N







# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

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Maxar: 10 September 2023

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# Anerni Village, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°19'0.173"W 31°7'6.301"N







# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

#### **Ancillary Data**

Administrative boundaries: <a href="https://www.diva-gis.org/gdata">https://www.diva-gis.org/gdata</a>

Maxar: 10 September 2023

#### Disclaimer

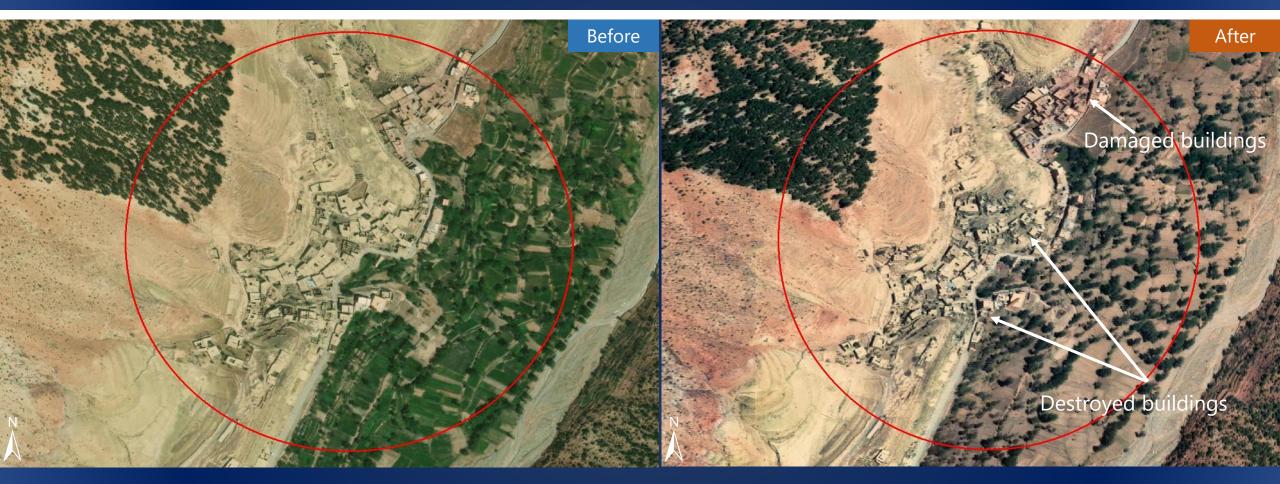


# **Azgour Village**, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°18'46.273"W 31°8'16.539"N







# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

Administrative boundaries: https://www.diva-gis.org/gdata

Maxar: 10 September 2023

#### Disclaimer

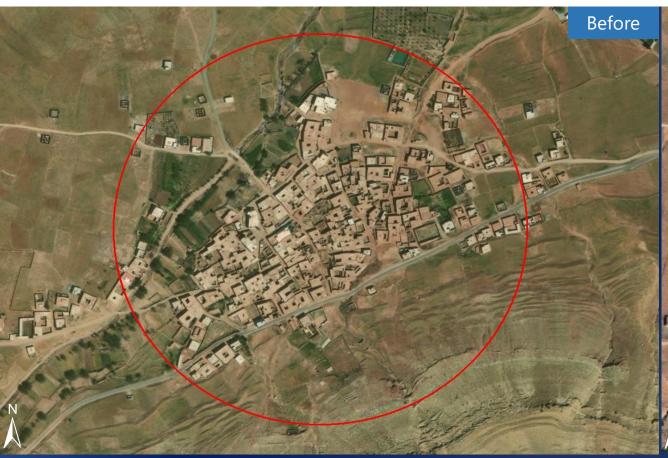


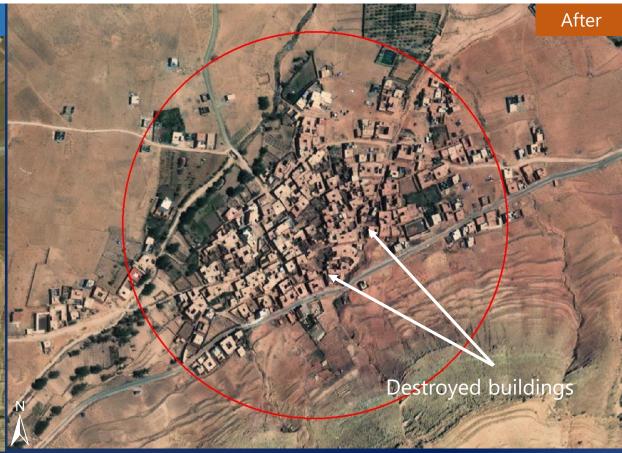
# **Toulkine Village**, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°19'45.94"W 31°9'42.299"N









# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

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# Imi N'Tala Village, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°16'0.822"W 31°7'44.878"N







# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

Administrative boundaries: https://www.diva-gis.org/gdata

Maxar: 10 September 2023

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# Ineghede Village, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°15'54.644"W 31°8'11.22"N









# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

#### **Ancillary Data**

Administrative boundaries: https://www.diva-gis.org/gdata

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#### Disclaimer



# Imi N'Isli, Village, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°15'48.244"W 31°8'53.212"N









# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

Administrative boundaries: https://www.diva-gis.org/gdata

Maxar: 10 September 2023

#### Disclaimer

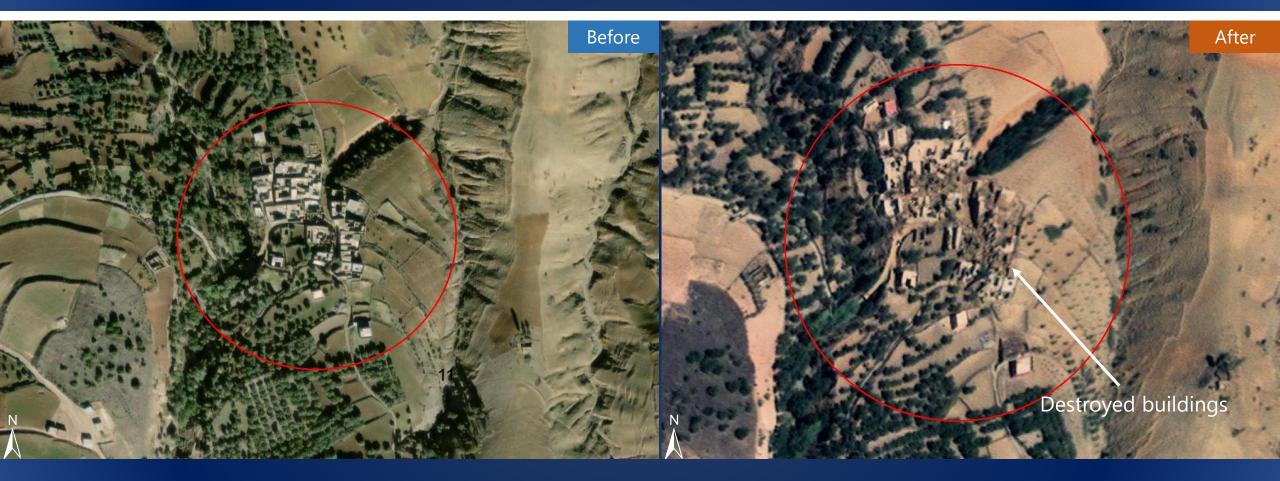


# **Tagheryouste, Village**, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°12'14.153"W 31°11'45.152"N







### **ESRI** Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

Administrative boundaries: https://www.diva-gis.org/gdata

Maxar: 10 September 2023

#### Disclaimer



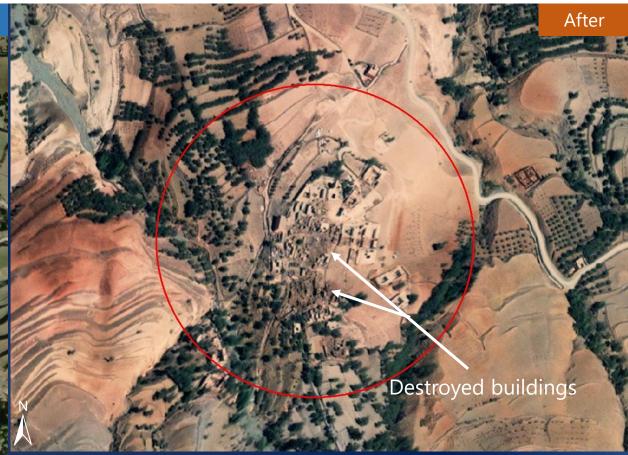
# Agouni, Village, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°12'1.712"W 31°12'1.405"N









# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

Administrative boundaries: https://www.diva-gis.org/gdata

Maxar: 10 September 2023

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# Tizgui, Village, Al Haouz Province, Marrakech - Tensift - Al Haouz Region, Morocco

Image center 8°11'42.729"W 31°11'36.997"N









# ESRI Base map

#### **Satellite Image**

Post event: Maxar's Worldview 2 and Worldview 3 data Pre event: Esri Base map

**Ancillary Data** 

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