Map 2: Harad

NOTE:

1. Satellite imagery covering exact extent of Panel’s Area Of interest (AOI) within specified time frame were not available in the archive of Satellite Imagery Vendor.
2. Panel selected imagery collected on 22 December 2013 and 31 August 2015. See below image: I outlined in green was collected on 22 December 2013; Image outlined in purple was collected on 31 August 2016.
3. The verification of destroyed buildings was conducted in the area overlapping both images. Marked yellow circles.
4. The observation of destroyed buildings was conducted in the area that does not overlap both images. Marked in blue circles and identified as UNVERIFIED destroyed buildings.
5. The observation was conducted based on presence of rubble around buildings with burnt colour a partial destruction of building’s shape.

Prepared by: [Name]

Imagery Source: WV1 acquisition: date 2013-12-22 time 07:34:25 (c) DigitalGlobe; GES acquisition: date 2015-08-31 time 07:49:24 (c) DigitalGlobe
Harad, Index, Destinations (before and after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: WV1 acquisition date 2013-12-22 time 07:34:45 (c) DigitalGlobe; GE1 acquisition date 2015-08-31 time 07:46:29 (c) DigitalGlobe
Harad town – North, P3, destructions (after)

Note: Comparison/verification of destruction could not be performed due to lack of pre-event imagery. Observed destroyed buildings marked in blue and identified as UNVERIFIED. The observation was conducted based on presence of rubble around buildings with burnt color and partial destruction of building’s shape.

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations Imagery source: WV1 acquisition date 2013-12-22 time 07:34:45 (c) DigitalGlobe; GE1 acquisition date 2015-08-31 time 07:46:29 (c) DigitalGlobe
Harad town – Centre, P4, destructions (after)

Note: Comparison/verification of destruction could not be performed due to lack of pre-event imagery. Observed destroyed buildings marked in blue and identified as UNVERIFIED. The observation was conducted based on presence of rubble around buildings with burnt color and partial destruction of building’s shape.

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations Imagery source: WV1 acquisition date 2013-12-22 time 07:34:45 (c) DigitalGlobe; GE1 acquisition date 2015-08-31 time 07:46:29 (c) DigitalGlobe
Harad town – West, P5, destructions (after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: WV1 acquisition date 2013-12-22 time 07:34:45 (c) DigitalGlobe; GE1 acquisition date 2015-08-31 time 07:46:29 (c) DigitalGlobe
Harad town – South, P6, destructions (after)

Note: Comparison/verification of destruction could not be performed due to lack of pre-event imagery. Observed destroyed buildings marked in blue and identified as UNVERIFIED. The observation was conducted based on presence of rubble around buildings with burnt colour and partial destruction of building’s shape.

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: WV1 acquisition date 2013-12-22 time 07:34:45 (c) DigitalGlobe; GE1 acquisition date 2015-08-31 time 07:46:29 (c) DigitalGlobe
Map 3: Port Midi
Port Midi, P2, destructions (after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: WV3 acquisition date 2014-11-17 time 07:39:39 (c) DigitalGlobe; WV1 acquisition date 2015-07-24 time 09:15:50 (c) DigitalGlobe
Port Midi, P3, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: WV3 acquisition date 2014-11-17 time 07:39:39 (c) DigitalGlobe; WV1 acquisition date 2015-07-24 time 09:15:50 (c) DigitalGlobe
Map 4: Mocha

NOTE:

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-29 time 07:57:54 (c) Airbus; Pléiades acquisition date 2015-10-04 time 07:55:27 (c) Airbus

1. Satellite imagery covering exact extent of Panel’s Area Of Interest (AOI) within specified time frame were not available in the archive of Satellite Imagery Vendor.
2. Panel selected Imagery collected on 29 March 2015 and 04 October 2015. See below image:
   Image outlined in green was collected on 29 March 2015; Image outlined in red was collected on 04 October 2015.
3. The observation of destroyed or partially destroyed building or constructions on the northern part of Mocha was no possible. Post event imagery of northern Mocha is not available.
4. The observation of destroyed buildings was conducted only for imagery overlapping area – southern Mocha.

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-29 time 07:57:54 (c) Airbus; Pléiades acquisition date 2015-10-04 time 07:55:27 (c) Airbus
Mocha, P2, destructions, Index

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-29 time 07:57:54 (c) Airbus; Pléiades acquisition date 2015-10-04 time 07:55:27 (c) Airbus
Mocha, P3, destructions, Index

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-29 time 07:57:54 (c) Airbus; Pléiades acquisition date 2015-10-04 time 07:55:27 (c) Airbus
Mocha, P4, destructions, Index

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-29 time 07:57:54 (c) Airbus; Pléiades acquisition date 2015-10-04 time 07:55:27 (c) Airbus
Mocha, P5, destructions, Index

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-29 time 07:57:54 (c) Airbus; Pléiades acquisition date 2015-10-04 time 07:55:27 (c) Airbus
Mocha, P6, destructions, Index

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-29 time 07:57:54 (c) Airbus; Pléiades acquisition date 2015-10-04 time 07:55:27 (c) Airbus
Map 5: Sa‘dah
Sa’dah, P2, destructions (after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: WV3 acquisition date 2015-01-06 time 07:30:58 (c) DigitalGlobe; WV1 acquisition date 2015-05-22 time 08:57:33 (c) DigitalGlobe
Sa’dah, P3, destructions (after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: WV3 acquisition date 2015-01-06 time 07:30:58 (c) DigitalGlobe; WV1 acquisition date 2015-05-22 time 08:57:33 (c) DigitalGlobe
Sa’dah, P4, Military positions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: WV3 acquisition date 2015-01-06 time 07:30:58 (c) DigitalGlobe; WV1 acquisition date 2015-05-22 time 08:57:33 (c) DigitalGlobe
Sa’dah Airport, P5, destructions (after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: WV3 acquisition date 2015-01-06 time 07:30:58 (c) DigitalGlobe; WV1 acquisition date 2015-05-22 time 08:57:33 (c) DigitalGlobe
Sa’dah, P6, destructions (after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: WV3 acquisition date 2015-01-06 time 07:30:58 (c) DigitalGlobe; WV1 acquisition date 2015-05-22 time 08:57:33 (c) DigitalGlobe
Map 6: Sana’a
Sana’a, P2, destructions (after)

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P3, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P4, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P5, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P6, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P6, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P8, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P9, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
**Sana’a, P10, destructions**

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P11, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P12, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P13, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P14, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P15, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P16, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P17, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P18, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P19, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a, P20, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Map 7: Sana’a airport
Sana’a airport, P2, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a airport, P3, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a airport, P4, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a airport, P5, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Sana’a airport, P6, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-03-14 time 07:23:57 (c) Airbus; Pléiades acquisition date 2015-09-23 time 07:39:53 (c) Airbus
Map 8: Ta’izz

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, P2, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, P3, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, P4, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, P5, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta‘izz, P6, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, P7, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, P8, destructions

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, Possible check points, situation on markets and gas stations, Index

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, Possible check points, situation on markets and gas stations, P2

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations

Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, Possible check points, situation on markets and gas stations, P3

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, Possible check points, situation on markets and gas stations, P4

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe
Ta’izz, Possible check points, situation on markets and gas stations, P5

Prepared by: Geospatial Information Section, ICTD, DFS, United Nations
Imagery source: Pléiades acquisition date 2015-04-02 time 07:28:40 (c) Airbus; World View 1 acquisition date 2015-07-16 time 09:07:58 (c) Digital Globe