SUDAN CONFLICT OBSERVATORY

SITUATIONAL AWARENESS REPORT

REPORT 002 | 15 JUNE 2023

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METHODOLOGY



This report was produced as part of the Conflict Observatory with the support of the Bureau of Conflict and Stabilization Operations, United States Department of State. This report does not necessarily represent the views of the United States Government.

Mobility Data

Gravy Analytics (gravyanalytics.com) is a commercial company providing hundreds of companies aggregate location information products. All data is commercially available and maintains the highest privacy standards including containing no personal identification information, collected only from users who opt-in to sharing their data and meeting all legal and privacy guidelines including the EU's General Data Protection Regulation (GDPR).

Satellite imagery

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This report was produced by PlanetScape Ai. All research and analysis was conducted by PlanetScape Ai.

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METHODOLOGY

Yale SCHOOL OF PUBLIC HEALTH Humanitarian Research Lab

Data fusion methodologies combine remote sensing analysis with opensource data to assess and geolocate events. When necessary, sources are redacted for protection purposes; a redacted source list is available to authorized users.

Terms

- NASA FIRMS | NASA Fire Information for Resource Management System
- Reported | Based on credible, verified media reporting

KEY FINDINGS

 Sudan Conflict Observatory assesses the death of West Darfur Governor Khamis Abdullah Abkar to be an extrajudicial killing highly likely perpetrated by RSF;

- Looting and destruction at the WFP compound in El Obeid, with warehouse and solar panels affected;
- RSF are likely exercising effective control over key mobility routes across El Obeid;
- Major fire event in Khartoum, likely caused by fighting between RSF and SAF on 07 June 2023, appears ongoing as of 14 June;
- Since the start of the conflict, 306 buildings damaged or destroyed in Khartoum; and
- 41.3% decrease in estimated population mobility as of June 11th in the Khartoum City Greater Area.

SCO_037: Extrajudicial Killing of West Darfur Governor Abkar El-Geneina, West Darfur

- Multiple independent news outlets have confirmed the death of West Darfur Governor Khamis Abdullah Abkar as of 14 June 2023. Sudan Conflict Observatory independently assesses this incident as an extrajudicial killing.
- Al Hadath, a regional news broadcaster, interviewed Abkar on the morning of 14 June 2023 regarding events in El-Geneina (West Darfur). During the interview, Abkar blamed RSF and its aligned forces for ongoing violence in the city. Abkar reported that SAF forces remained in their base and did not intervene to stem the violence against civilians.
- Social media accounts have circulated multimedia showing persons, some of whom appear to wear RSF uniforms, detaining and abusing Abkar in El-Geneina. News reports and multimedia circulated during the evening of 14 June 2023 appear to show Abkar's body.
- Large-scale violence against civilians has been reported and documented throughout Darfur since 15 April 2023, including sexual and genderbased assault, killings, the widespread destruction of civilian dwellings, markets, and attacks against health facilities. Killings and other attacks were ongoing throughout the 20 May Ceasefire time period. News reports indicate that the city of El-Geneina has been under siege. El-Geneina's death toll reportedly surpasses 1,100 civilians, and at least 283,220 persons in West Darfur alone are displaced according to IOM's last published Displacement Tracking Matrix.
- On Tuesday 13 June 2023, UN envoy to Sudan Volker Perthes stated that violence in El-Geneina followed "an emerging pattern of large-scale targeted attacks against civilians based on their ethnic identities, allegedly committed by Arab militias and some armed men in Rapid Support Forces (RSF)'s uniform. These reports are deeply worrying and, if verified, could amount to crimes against humanity."
- Governor Abkar held multiple leadership positions among the Masalit people of Darfur over decades, including as a village defense leader and eventual vice-chairman of the Sudan Liberation Army.

SOURCES | https://www.alhadath.net/2023/06/15/%D8%B4%D8%A7%D9%87%D8%AF-%D8%A2%D8%AE%D8%B1-%D9%88%D9%87%D9%88%D8%B1-%D9%88%D9%87%D9%88%D8%B1-%D9%88%D8%B1-%D9%88%D8%B1-%D9%88%D8%AE%D8%AF%D8%AA%D8%B7%D8%A7%D9%88%D8%A7%D9%88%D9%84-%D8%AA%D8%B7%D8%AA%D9%84%D9%84-%D8%AA%D8%B7%D8%AA%D9%81%D9%81%D9%81%D9%81%D9%88%D8%B1-%D9%82%D8%A8%D9%84-%D8%AA%D8%AA%D8%B7%D8%AA7%D9%81%D9%81%D9%81%D9%88%D9%82%D8%AA%D9%84-%D8%AA%D8%AA%D8%AA%D9%84%D9%81%D9%81%D9%81%D9%88%D8%B1-%D9%82%D8%A8%D9%84-%D8%AA%D8%AA%D8%B7%D8%AA7%D9%81%D9%81%D9%88%D8%B1-%D9%88%D8%AE%D8%AA%D8%AA%D8%B7%D8%AA7%D9%81%D9%81%D9%88%D8%B1-%D9%82%D8%AA%D9%84-%D8%AA7%D8%AA%D8%AA7%D8%AA7%D9%81%D9%81%D9%84-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%84-%D8%AA7%D8%AA7%D9%81%D9%87-%D8%AA8%D9%87-%D8%AA7%D8%AA8%D

SCO_033: WFP WAREHOUSES, **EL OBEID**

Pre-June 10 Ceasefire

Imagery analysis confirms the destruction of warehouse structures at a WFP facility in El Obeid. This incident is assessed to have taken place between 26 May and 08 June 2023. Visual indicators of looting, including that of solar panels, are also present at this facility. This corroborates the Sudan Doctors' Trade Union report of looting in El Obeid published 10 June 2023. It is possible that this activity may been perpetrated by RSF based on their control of key access roads around the city, as reported across news and social media.



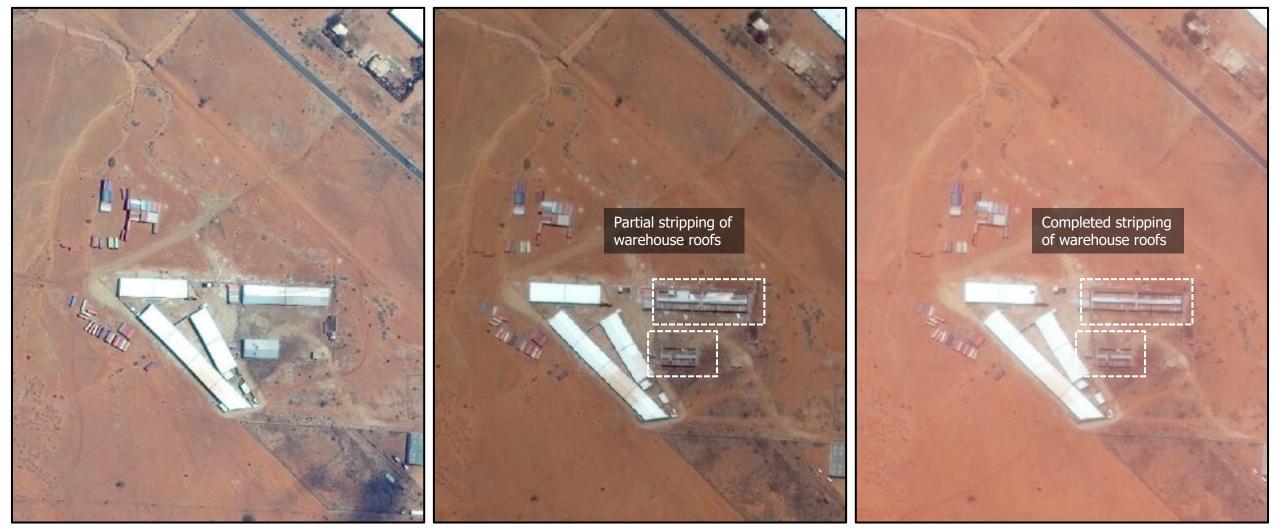
Date | 2023.05.26 All satellite images © 2023 Maxar Date | 2023.06.08

https://twitter.com/SdDoctorsTU/status/16676191786 71484932, archived at https://perma.cc/W35S-SCUP

SCO_034: EL OBEID

During and post-June 10 Ceasefire

Imagery analysis confirms the stripping of warehouse roofing at an unidentified facility in El Obeid, observed to have taken place between 12 and 13 June 2023. This activity is consistent with other instances of looting, such as those observed at the WFP facility in El Obeid between 26 May and 08 June 2023.



Date | 2023.06.08

Date | 2023.06.13

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SCO_035: EL OBEID

During June 10 Ceasefire

Imagery captured on 12 June 2023 indicates the presence of control measures in the form of road impediments. The presence of this road impediment is observed at a key intersection, in the center of the city. The incidence of these control measures are consistent with reports of RSF control over movement in and around the city. These road impediments are therefore highly likely to hinder humanitarian access and civilian mobility across El Obeid.



Date | 2023.06.12

All satellite images © 2023 Maxar

Date | 2023.06.08

SCO_036: EL OBEID

Post-June 10 Ceasefire

Vehicle queues sustained over a two-day period – 12 to 13 June 2023 – are observed at a petrol station in El Obeid. This sharp increase since 08 June 2023 is likely indicative of increased demand for petrol in the city. Given access constraints and RSF's effective control of movement in and out of the city, these queues raise concerns of possible fuel shortages.



Date | 2023.06.08

Date | 2023.06.12

Date | 2023.06.13 All satellite images © 2023 Maxar

SCO_032: AIR STREET FIRE EVENT | KHARTOUM

Pre-, during, and post-June 10 Ceasefire

Multimedia circulated 07 June 2023 on social media, assessed as credible, indicates a fire event took place at a gas storage facility. This multi-day fire event – likely caused by fighting – was detected by NASA FIRMS between 07-14 June 2023 in the Air Street area of Khartoum.

Social media accounts widely reported likely clashes between RSF and SAF in this area on 07 June 2023. This fire event raises concerns regarding the availability of gas and fuel in Khartoum, particularly given existing access constraints across Sudan.

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15 55002 32 5504 0.62 0.5 2020-06-12.25400 n 2.0447 285.17 2.7 N 15 5005 32.55012 342.29 0.5 0.5223-06-12.15400 n 2.0447 380.25 3.344 D 15 5005 32.50612 342.29 0.5 0.41 2023-06-12.112100 n 2.0447 380.25 3.344 D 15 5005 32.50612 0.42 0.54 0.64 2023-06-12.01100 n 2.0447 380.25 3.344 D 15 5016 32.50614 0.21100 n 2.0447 280.56 7.65 N 15 5017 32.50632 2004-21 0.64 0.60 2023-06-12.0100 n 2.0447 27.34 3.65 N 15 50004 32.50632 2004-21 0.64 0.67 2.0447 27.34 3.65 N 15 50033 30.03 0.69 0.75<2023-06-12	1650003 3251048 30736 0.52 0.55 20230401225400 n 2.0987 288.17 2.7 N 1550005 32.50113 343.47 0.52 0.5 202304012255400 n 2.0987 288.17 2.7 N 155005 32.50672 342.29 0.5 0.41 20230412112100 n 2.0987 300.25 33.44 D 155005 32.50672 342.29 0.5 0.41 2023041121100 n 2.0987 300.25 33.44 D 155016 32.50162 0.910 0.823.4510010 n 2.0987 288.68 7.5 N 155024 32.50692 302.29 0.54 0.82324510010 n 2.0987 27.31 3.53 N 155024 32.50692 302.03 10.09 0.75 2023041123100 n 2.0987 27.73 3.55 N 155024 32.50693 31.00 0.09 0.75 2023041123100 n	15 50002 32 51046 307.30 0.05 0.5 320.50412 234.400 n 2.0WFT 286.17 3 15.5056 15 50569 32 50677 342.47 0.55 0.55 323.6612 324.2400 n 2.0WFT 286.17 3 15.556 15 50569 32 50672 342.29 0.8 0.41 20236612 112.100 n 2.0WFT 286.17 3.44 D 15 50563 32 20644 342.29 0.8 0.64 20236612 112.100 n 2.0WFT 286.8 7.8 N 16 50744 32 20844 342.29 0.8 0.202-560-100 n 2.0WFT 286.8 7.8 N 15 50764 321105 30.31 0.54 0.8 2023-661-100 n 2.0WFT 286.8 7.8 N 15 50064 32 50625 30.2100 n 2.0WFT 277.71 3.74 N 15 50064 32 50635 30.00 0.60 0.75
15 50555 32 50773 343.47 0.52 0.5 2023-06-12 23.64 00 n 2.04RT 288.13 15.85 N 15 50556 32 500773 342.39 0.5 0.41 2023-06-12 23.64 00 n 2.04RT 380.23 33.64 10 0 302.25	1550505 32 50713 343-47 0.52 0.5 2023-06-12 235400 n 2.0WRT 288.13 15.85 N 1550505 32 250713 342.34 0.55 0.41 2023-06-12 235400 n 2.0WRT 380.13 15.85 N 1550505 2520477 205044 342.29 0.54 0.82 2023-06-10100 n 2.0WRT 286.86 7.35 N 1550164 2520404 343.29 0.54 0.88 2023-06-10100 n 2.0WRT 286.86 7.35 N 155024 255108 20021 0.64 0.88 2023-06-10100 n 2.0WRT 286.8 N 1550244 255108 20021 0.64 0.75 2023-06-11223100 n 2.0WRT 277.21 2.65 N 1550948 250630 310.0 0.69 0.75 2023-06+11223100 n 2.0WRT 277.38 3.74 N	15.5085 3.25.0713 343.47 0.52 0.5 2022-06-12.25.94.00 n 2.0WFT 288.13 15.50 N 15.50863 32.20072 342.30 0.5 0.41 2020-504.12.1100 n 2.0WFT 309.25 33.44 D 15.505 32.50472 2.02.54 0.62 0.202-504.1010 n 2.0WFT 309.25 33.44 D 15.505 32.50474 342.22 0.54 0.68 2020-541.0100 n 2.0WFT 288.3 5.03 N 15.50544 322.5042 202.5041.20.21100 n 2.0WFT 288.3 5.03 N 15.50544 322.5042 30.21.51 3.02.5041.20.2150 n 2.0WFT 288.3 5.03 N 15.50544 32.5042 30.02 0.69 0.75 2023-564112.2150 n 2.0WFT 277.21 2.56 N 15.50644 30.20102 0.76 7.202-564112.2150 n 2.0WFT 37.4 N
15.50033 32.50012 342.30 0.5 0.41 202.00-12112100 n 2.01477 302.25 33.44 D 15.50053 32.50042 0.54 0.68 0.023.00-12.01100 n 2.01477 308.25 33.44 D 15.50744 32.50042 0.54 0.68 2023.00-12.01100 n 2.01477 288.55 N 15.50745 32.50062 2004.01 0.64 0.68 2023.00-12.01100 n 2.01477 272.14 2.65 N 15.50064 32.50062 32.00033 10.04 0.69 0.75 2022.00-112.3100 n 2.01477 277.34 3.65 N	155003 3250072 34239 0.6 0.41 2020-06-12102100 n 2.0HRT 302.25 33.44 D 155005 32.50644 340.22 0.54 0.84 2020-06-1200100 n 2.0HRT 308.35 N 155074 22.50644 340.22 0.54 0.68 2023-06-12001100 n 2.0HRT 288.3 5.03 N 155074 22.50692 2023-06-1201100 n 2.0HRT 277.21 2.65 N 1550764 22.50692 202033 10.09 0.75 2023-06-1223100 n 2.0HRT 277.31 2.65 N 1550764 22.50692 30033 1.09 0.75 2023-06-1223100 n 2.0HRT 277.31 3.74 N	15.500-21 22.20872 342.29 0.5 0.41 202.040-12110100 n 2.0WFT 390.25 314.4 0 15.5056 32.50644 343.22 0.54 0.68 2022-0612001100 n 2.0WFT 288.56 7.55 N 15.5054 32.21105 0.01.1 0.54 0.68 2022-0612001100 n 2.0WFT 283.5 7.55 N 15.50544 32.21085 201.31 0.54 0.68 2022-0612001100 n 2.0WFT 277.71 2.66 N 15.50044 32.26082 310.0 0.69 0.75 2022-061202100 n 2.0WFT 277.71 2.66 N 15.50049 32.60823 310.0 0.69 0.75 2022-061220100 n 2.0WFT 277.71 3.74 N
15 5006 32.20944 343.22 0.54 0.68 2023-06-12 00:1100 n 2.0HRT 288.56 7.85 N 15.50744 32.51136 303.31 0.54 0.68 2023-06-12 00:1100 n 2.0HRT 288.35 5.03 N 15.50244 32.50862 209.21 0.64 0.75 2023-06-112:21:00 n 2.0HRT 277.21 2.85 N 15.50064 32.50833 310.2 0.69 0.75 2023-06-112:23:100 n 2.0HRT 277.38 3.74 N	15.5085 32.50844 343.22 0.54 0.88 2023-06-12 00.1100 n 2.0WRT 288.3 5.00 N 15.5074 32.51156 300.31 0.64 0.88 2023-06-12 00.1100 n 2.0WRT 288.3 5.00 N 15.50264 32.50642 209.21 0.68 0.75 2023-06-112.2100 n 2.0WRT 277.21 2.66 N 15.50064 25.50643 310.00 0.69 0.75 2023-06-112.2100 n 2.0WRT 277.21 2.66 N	15 5085 32 50644 343 22 0.54 0.68 2022-0612 001100 n 2.0NRT 286 56 7.85 N 15 50744 32 51156 300.31 0.54 0.68 2022-0612 001100 n 2.0NRT 286.35 5.03 N 15 50724 32 50682 296921 0.66 0.75 2023-0611223100 n 2.0NRT 277.21 2.65 N 15 50692 250033 311.02 0.66 0.75 2023-0611223100 n 2.0NRT 277.38 3.74 N
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Date | 2023.06.13 © 2023 Maxar, Planet Labs, NASA FIRMS

SOURCES

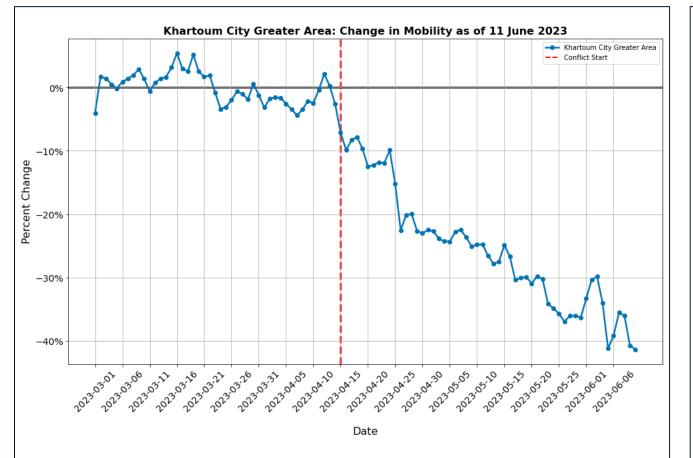
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https://www.reuters.com/world/africa/sudan-military-factions-battle-overweapons-fuel-depots-2023-06-07/, archived at <u>https://perma.cc/V746-RC26</u>

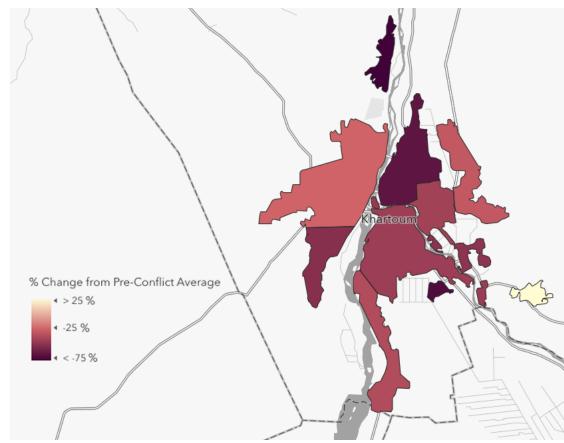
KHARTOUM: SATELLITE DETECTED BUILDING DAMAGE

- Khartoum High Low
- 306 large buildings have been significantly damaged since the start of the conflict.
- The red square contains the largest concentration of damage with 51% of the 306 buildings in the immediate area damaged.
- Buildings continue to be damaged or destroyed on a daily basis.

KHARTOUM: CONTINUED DECREASE IN MOBILITY

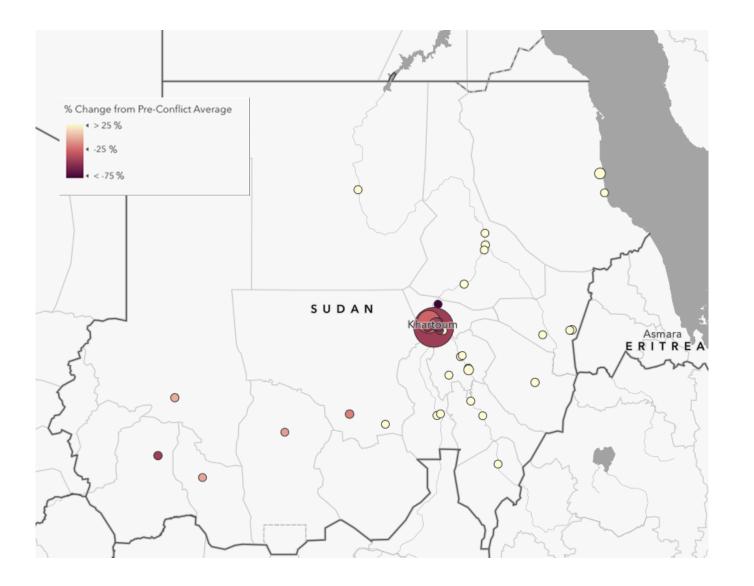


The Khartoum City Greater Area continues to see a slow decline in its estimated population with a 41.3% decrease in mobility on 11 June from its pre-conflict average (shown above).



Data collected daily within Khartoum City Greater Area highlights sub-areas of the city with higher or lower levels of mobility disruption.

MOBILITY: CONTINUED DECREASE IN MOBILITY OF KHARTOUM AND DARFUR CAPITALS



- Khartoum and Darfur state capitals continue to see their mobility decrease due to restrictions in regional mobility as well as residents fleeing.
- Eastern cities such as Port Sudan, Ed Damer, and Wad Medani continue to grow as IDPs seek their relative safety.
- As the conflict intensifies and spreads, large population movements and new IDP camps are expected.