RWI SITREP 027.1 — Half-day, 2 November 03:03 UTC to 3 November 12:00 UTC

Window **2 Nov 03:03 → 3 Nov 12:00 UTC** (33 h). First edition on the twice-daily 00/12 UTC split; this first one runs from the end of SITREP 026 to close the gap, and later editions cover 12 hours each (027.2: 3 Nov 12:00–24:00 UTC). **Times are UTC, with the local time at the place beside it.** Flight data come from the adsb.lol daily archive, which runs a day behind: the newest archive day in this edition is **1 Nov** (published after SITREP 026). LLM-generated and automated.

REPORTER LEADS — things in our data that no public reporting explains yet. Leads, not findings: each needs a reporter to confirm or kill it.

L1. Strait of Hormuz: one heat pixel at sea off Musandam on the day Iran said a tanker hit a mine east of the strait
2 Nov 11:36 UTC (15:36 UTC+4), MODIS, 8.6 MW at 26.088 N, 56.522 E, in open water south-east of the Musandam peninsula. One pass only; no VIIRS detection at the spot before or after. Sentinel-2 the next morning (3 Nov 07:02 UTC) shows open water at the spot and one vessel about 3 km south-east.
Why it is a lead: Fact: the Iranian Navy said on 2 Nov that an oil tanker caught fire after striking a naval mine in a restricted area east of the Strait of Hormuz, without naming the ship, the place or the time (as reported by Middle East Monitor / Anadolu Agency at 2 Nov 2026 14:46 UTC). Inference, not a finding: a single 8.6 MW daytime pixel at sea fits a burning ship. It could also be a flare or a sun-glint false detection. Our AIS logger does not cover these waters.
What would settle it: UKMTO / JMIC advisories for 2 Nov; Windward, Lloyd's List or TankerTrackers on which tanker it was and its position; an Iranian Navy position for the incident. (Plate A1)

L2. West Zawiya coast: small night heat about 2 km west of the 1 Nov tank-farm spot (carried from SITREP 025)
3 Nov 01:24 UTC (03:24 EET), NOAA-21, one pixel of 1.4 MW at 32.787 N, 12.674 E. Nothing at the 1 Nov spot (32.790 N, 12.695 E) in this window.
Why it is a lead: Sixth night of heat on this coast since 11 Aug (RWI-HC-003). The new pixel is weak and 2 km from the earlier spot; it may be unrelated.
What would settle it: NOC / Zawiya Oil Refining Company on any flaring, fire or incident on the night of 2–3 Nov. (Plate A5)

L3. El Obeid, North Kordofan: one daytime heat pixel inside the city on 1 Nov (carried from SITREP 025)
1 Nov 11:34 UTC (13:34 CAT), 3.0 MW at 13.201 N, 30.238 E. No detection in El Obeid in this window.
Why it is a lead: El Obeid is under repeated RSF drone attack. No reporting found yet for that block on 1 Nov.
What would settle it: Sudan Doctors Network, Emergency Lawyers, Dabanga or Radio Tamazuj on any strike or fire in north-east El Obeid on 1 Nov.

1. Bottom line

1.1 **Hormuz heat at sea (lead L1).** One pixel off Musandam at 11:36 UTC on 2 Nov, about three hours before the first report we found of Iran's statement on a mined tanker east of the strait (14:46 UTC). We cannot tie the two: the statement gives no place or time. **PARTIAL**

1.2 **N722BD crash-day trace (closes SITREP 026's open promise).** The adsb.lol archive for 1 Nov is now out. The Learjet left Austin at 15:37 UTC (09:37 CST), peaked at 41,050 ft at 17:18 UTC, and was level at about 35,000 ft west of Palm Beach until 17:48:30 UTC. It then lost about 26,000 ft in under a minute (34,275 ft at 17:48:30 to 8,750 ft at 17:49:23 UTC). The last fix is 17:49:33 UTC (12:49 EST) at 26.633 N, 80.113 W, by Military Trail; altitude stopped updating for the last 10 seconds. The rapid descent from about 35,000 ft was already public from Flightradar24's record (as reported by BizJet Journal (Flightradar24 flight record) at 1 Nov 2026 (updated 3 Nov)) and the NTSB has said the jet may have broken up in flight as reported by Associated Press (via PBS NewsHour) at 2 Nov 2026 14:31 EST. This adds the open-archive numbers only. **CORRELATED** (A3)

1.3 **South Lebanon: daytime heat in the Bint Jbeil district**, 2 Nov 11:19 UTC (13:19 EET) and still burning at 13:16 UTC (15:16 EET), up to 9.5 MW, in open ground near Kunin and Beit Yahoun (place names from the map; inference). Lebanese dispatches that day list bombardment of the outskirts of Kunin (13:14 Beirut time) and an explosion in Beit Yahoun (14:22), as reported by Libnanews at 2 Nov 2026 17:06 UTC. The outlet notes that its times are dispatch times, not impact times, so the match is in place and hour, not to the minute. **PARTIAL** (A2)

1.4 **Heat elsewhere: no other lead.** 122 VIIRS/MODIS detections at 20 watched places. Gulf flaring (Ras Laffan, Ruwais, Mesaieed, Bandar Abbas, Kharg, Abqaiq) and dry-season fires on two Top End Defence training areas. A recurring spot on the Fujairah coast sits on a coastal industrial plant (A8). **NOTHING TO MATCH**

1.5 **Coverage gaps.** The imagery pickup failed to store its results (section 3), so there are no change scores. The 2 Nov Area Watch issues did not run; the 3 Nov issues ran without flights because the adsb.lol archive for 2 Nov was not yet published. Regional Watches (2-day cadence) last ran 1 Nov. Night lights, Libya landings and dark ships had nothing new.

2. Heat (FIRMS watch)

Place	Detections	Max MW	First → last (UTC)	Reading
Ras Laffan LNG	38	15.8	02 Nov 05:29 → 02 Nov 22:58	Routine (known heat)
Bandar Abbas Naval Base & Shahid Rajaee port	12	5.7	02 Nov 09:38 → 02 Nov 22:01	Routine (known heat)
Bradshaw Field Training Area	11	11.8	02 Nov 04:23 → 02 Nov 05:18	Daytime fire lines, late dry season; no reporting found (A6)
Ruwais	11	16.9	02 Nov 10:13 → 02 Nov 22:58	Refinery flaring (A9)
Mount Bundey Training Area	10	11.0	02 Nov 04:23 → 02 Nov 05:18	Daytime fire; no reporting found (A7)
Mesaieed	9	4.1	02 Nov 09:36 → 02 Nov 22:58	Industrial flaring (A10)
Fujairah Offshore Anchorage Area	4	5.7	02 Nov 08:52 → 02 Nov 22:58	Same spot day and night on a coastal industrial plant; likely a fixed source (A8)
Southern Lebanon / Israel border strip	4	9.5	02 Nov 11:19 → 02 Nov 13:16	Strikes reported nearby, item 1.3 (A2)
Kharg Island oil terminal	4	1.5	02 Nov 22:01 → 02 Nov 23:01	Routine (known heat)
MCAS Miramar	3	1.1	02 Nov 09:09 → 02 Nov 10:10	Routine (known heat)
Novorossiysk Naval Base (Black Sea Fleet)	3	1.7	02 Nov 23:39 → 03 Nov 00:37	Routine (known heat)
Port of Los Angeles / Long Beach	2	1.2	02 Nov 09:06 → 02 Nov 09:26	Routine (known heat)
Abqaiq oil processing	2	1.0	02 Nov 22:03 → 02 Nov 22:58	Routine (known heat)
Misrata port	2	1.4	03 Nov 00:41 → 03 Nov 00:41	Two weak night pixels at the port; no reporting found (A11)
Qeshm Island (IRGC sites)	2	1.4	02 Nov 22:01 → 02 Nov 22:01	Two weak night pixels, 37 km apart (A12)
Operational Support Hub Latin America & Caribbean, Kingston	1	1.3	02 Nov 06:52 → 02 Nov 06:52	One weak night pixel (A13)
bp Cherry Point refinery	1	1.3	02 Nov 09:21 → 02 Nov 09:21	Refinery, one weak night pixel (A14)
Strait of Hormuz narrows	1	8.6	02 Nov 11:36 → 02 Nov 11:36	**Lead L1** (A1)
Zawiya — refinery, port and city	1	1.4	03 Nov 01:24 → 03 Nov 01:24	**Lead L2** (A5)

3. Imagery

Coverage: imagery change scores are missing from this edition. The 3 Nov 33-hour pickup (Daily pickup run 41634611675) found 321 scenes at 182 sites (222 Sentinel-2, 99 Sentinel-1, no Landsat), but it failed to store them: one raw Sentinel-2 file (Qeshm Island, 3 Nov 07:02 UTC) was 541 MB, over GitHub's 100 MB limit, so both the raw-imagery offload and the main commit were rejected. Without the run's manifests there are no usable-pass counts or change scores, so this edition has **no imagery leads either way**. The plates in the annex were pulled separately, straight from the Sentinel archives. **NOTHING TO MATCH**

4. Flights

Tracked aircraft, 1 Nov UTC (archive day published after SITREP 026). Air Force One (92-9000) not seen. C-32A 98-0002 (SAM542) continued south from Atlanta, descended over the Everglades and dropped out of coverage below 5,350 ft at 00:50 UTC (20:50 EDT on 31 Oct), reappeared climbing near Homestead at 02:07 UTC (22:07 EDT), and was on the ground at Andrews at 04:04 UTC (00:04 EDT). Inference: a stop of about 75 minutes in the Homestead or Miami area. Passengers not reported. **NOT IN NEWS** (A4)

Military and state aircraft over Canadian cities, 2 Nov: RCAF CC-330 Husky (HUSK82) over Ottawa 15:43–15:55 UTC (10:43–10:55 EST); RCAF CC-130J (CFC4259) over St. John's 15:38 UTC (12:08 NST); US Coast Guard MH-65 helicopters C6527 and C6560 over Windsor 15:38–16:12 UTC (10:38–11:12 EST); USAF KC-135R 63-8043 and one unidentified US military aircraft over Victoria 23:27–23:49 UTC (16:27–16:49 MST). No police aircraft logged. Nothing out of pattern. **NOTHING TO MATCH**

5. Area Watch issues in the window

Watches	Issues	Reading
California (4), Nevada, San Diego, LA, Panhandle, New Zealand, Ross Sea, Peninsula, Ottawa, Trump (3)	15	3 Nov issues: imagery and heat only, no flights (2 Nov archive not yet out). AIS notes at Long Beach and San Diego are harbour tugs and workboats. Ottawa 2 Nov: one flight, nothing notable.

6. House check, live questions and carried items

House check (primerogueinc.com/blog): no post covers the places in this edition. The newest posts are on foreign interference (1–2 Nov), a Tucker Carlson fact-check (3 Nov) and the reader's guide to the CFB Wainwright fire (31 Oct). Nothing to add.

Live questions: (1) Which tanker did Iran say hit a mine, and where? Open; lead L1. (2) Did the Learjet break up in flight? NTSB says there are indications; our trace shows the descent, not the cause. Parked until the preliminary report. (3) What was hit in Kunin / Beit Yahoun on 2 Nov? Partly answered by Lebanese reporting; no casualty figures found.

Carried: L2 Zawiya and L3 El Obeid (above); Kerem Shalom (SITREP 020); TUN82 at St. John's; the Djibouti road and Chabelley spots; open leads of SITREPs 008–015.

Plates — every component in this brief



Plate A1 — Strait of Hormuz, heat at sea off Musandam. 2 Nov 11:36 UTC (15:36 UTC+4 local). Single MODIS pixel at sea; nearest optical and radar passes around it.

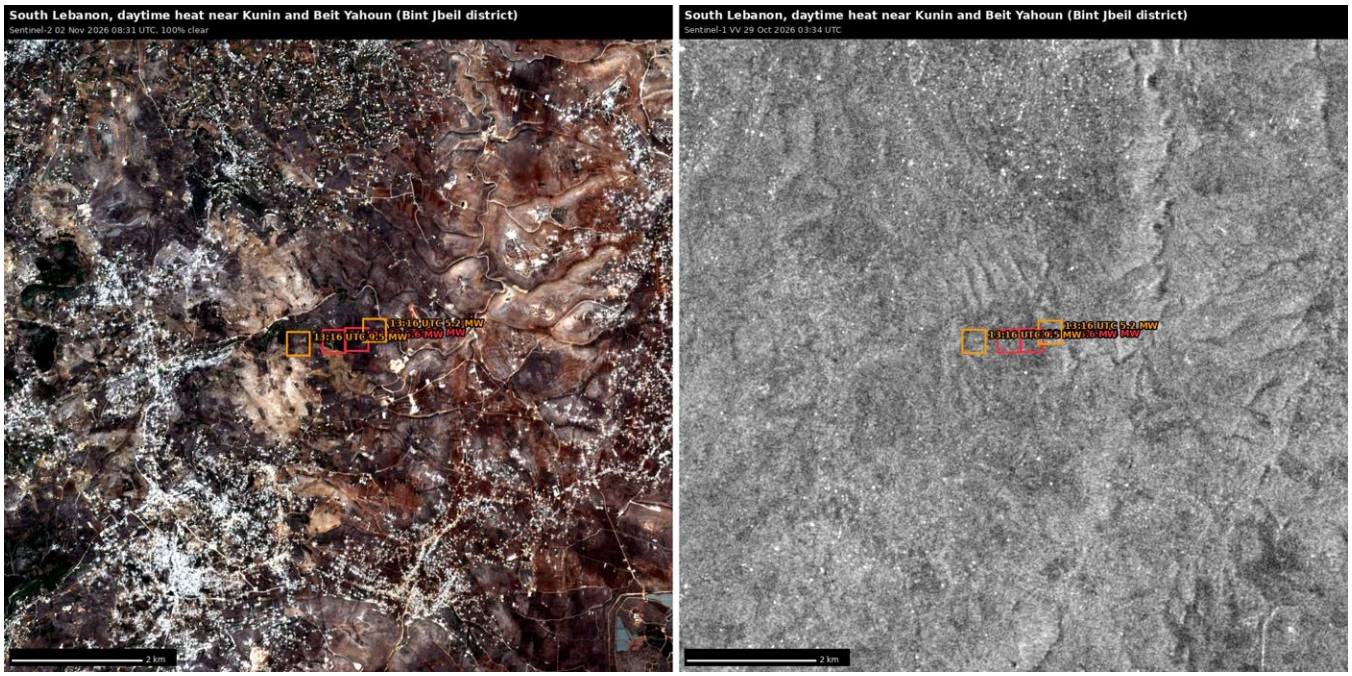


Plate A2 — South Lebanon, daytime heat near Kunin and Beit Yahoun (Bint Jbeil district). 2 Nov 11:19 and 13:16 UTC (13:19 and 15:16 EET).

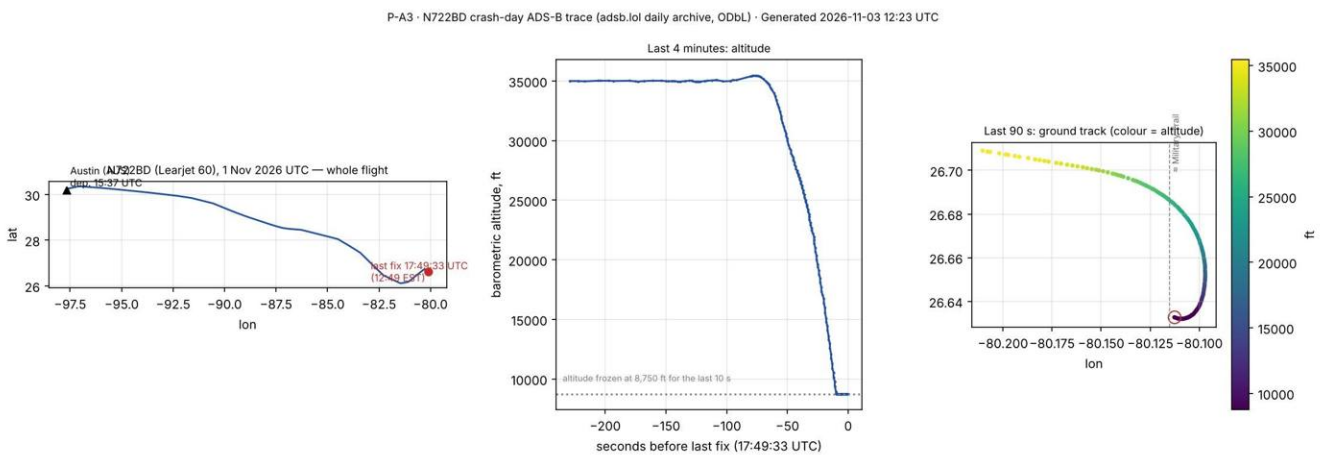


Plate A3 — N722BD crash-day ADS-B trace, 1 Nov. adsb.lol daily archive for 1 Nov, published after SITREP 026. Departure Austin 15:37 UTC (09:37 CST); last fix 17:49:33 UTC (12:49 EST).

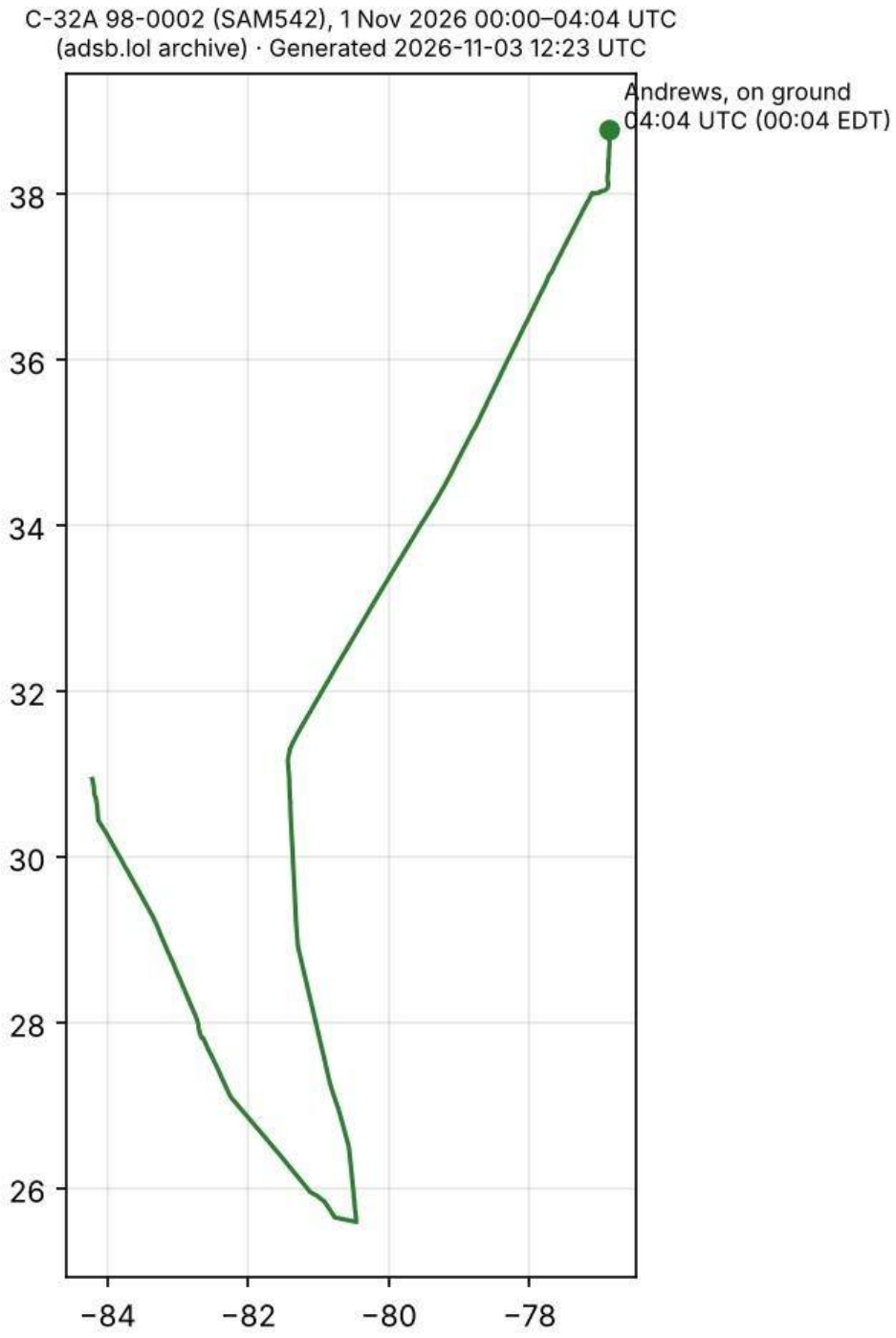


Plate A4 — C-32A 98-0002 (SAM542), 1 Nov. Atlanta southbound to South Florida, 75-minute gap below 5,350 ft, then to Andrews.

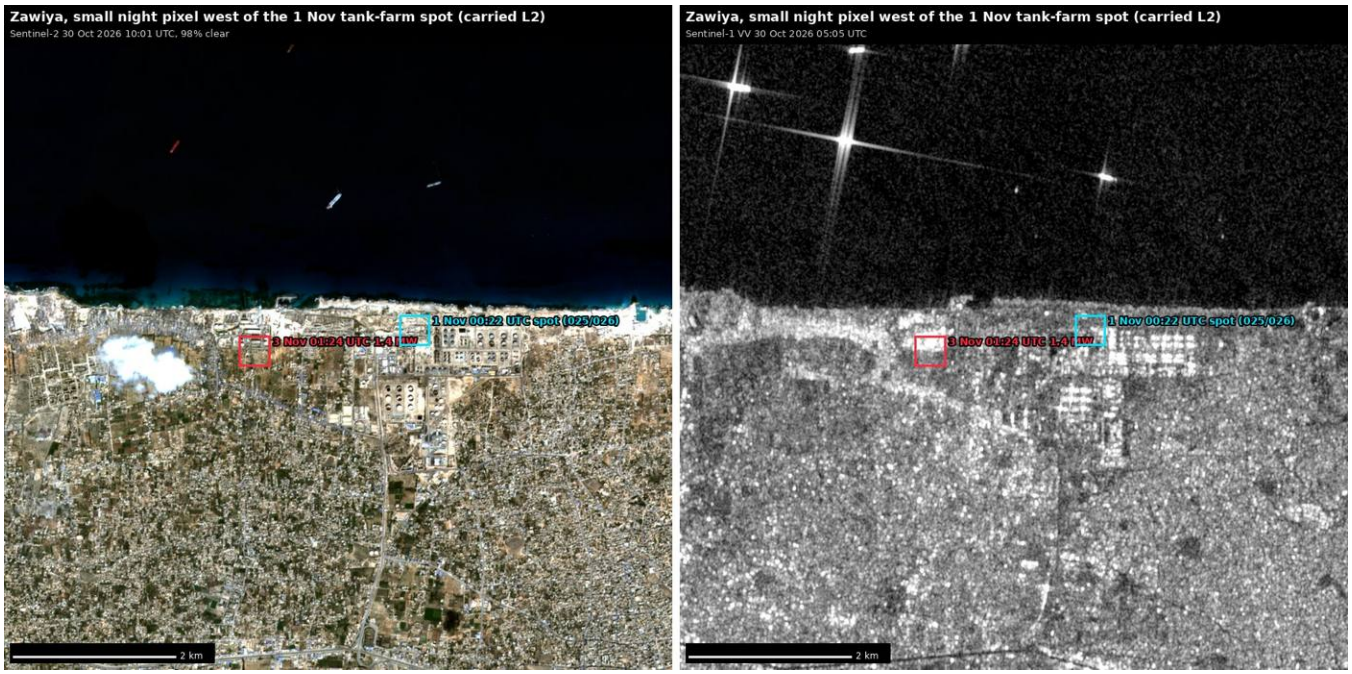


Plate A5 — Zawiya, small night pixel west of the 1 Nov tank-farm spot (carried L2). 3 Nov 01:24 UTC (03:24 EET), NOAA-21.

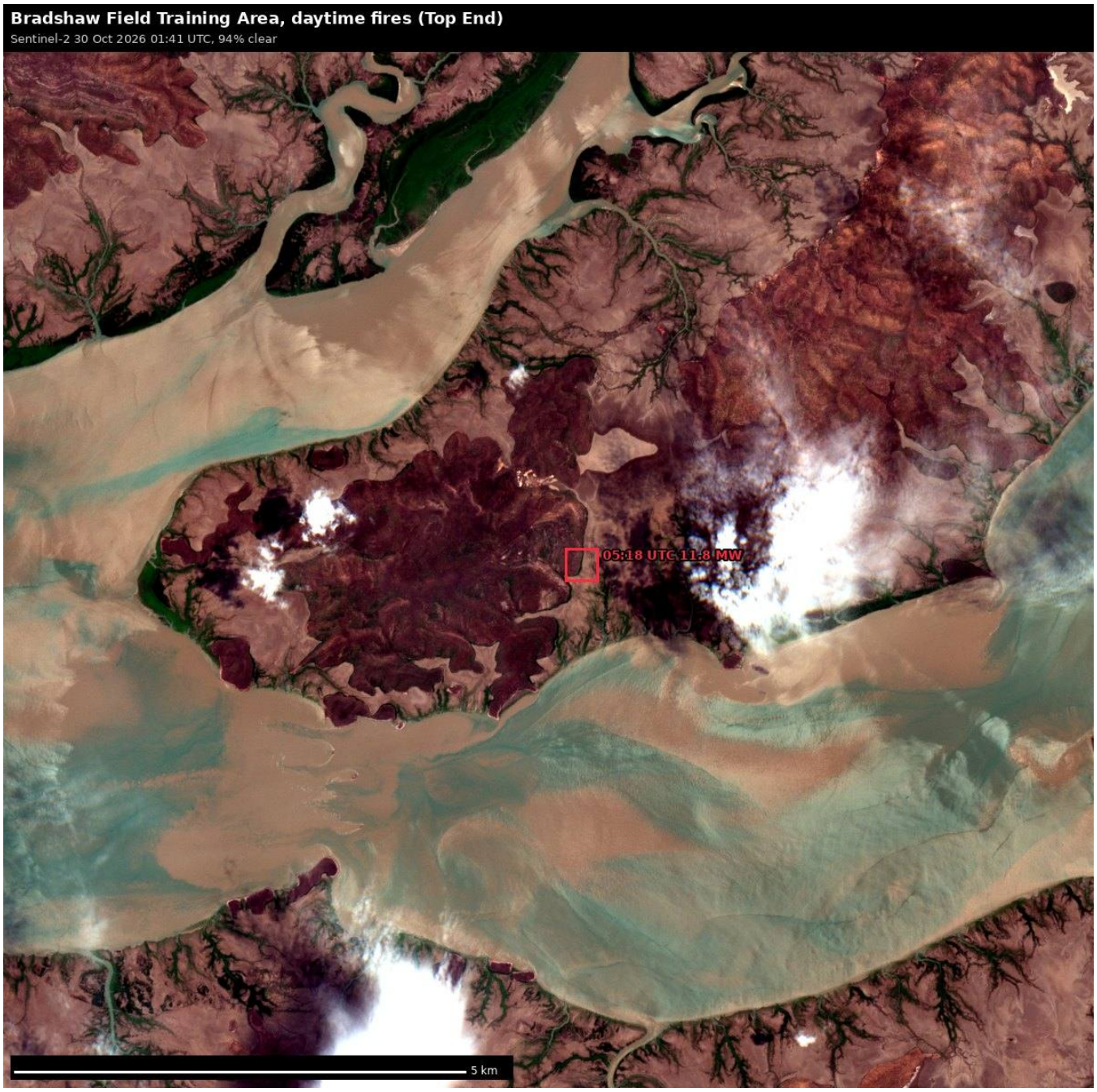


Plate A6 — Bradshaw Field Training Area, daytime fires (Top End). 2 Nov 04:23-05:18 UTC (13:53-14:48 ACST).

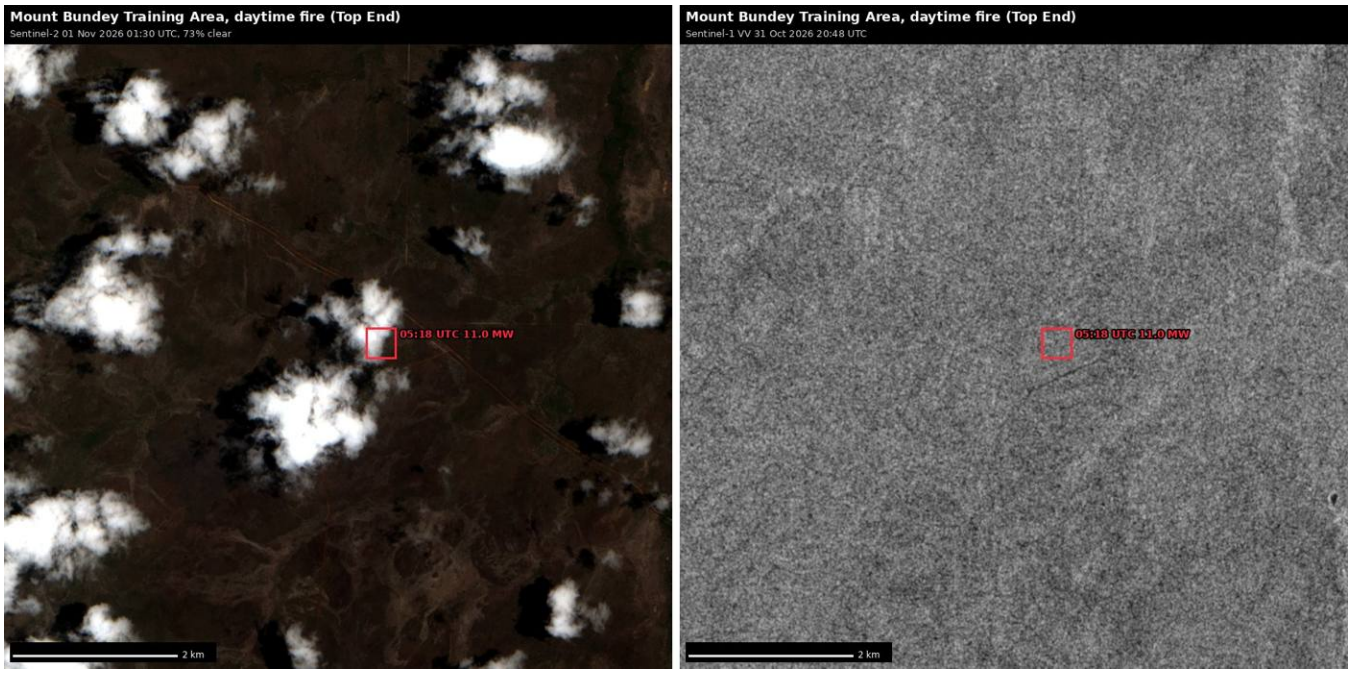


Plate A7 — Mount Bundey Training Area, daytime fire (Top End). 2 Nov 04:23-05:18 UTC (13:53-14:48 ACST).



Plate A8 — Fujairah coast, recurring heat at one spot. 2 Nov 08:52 to 22:58 UTC (12:52 to 02:58 UTC+4), day and night.



Plate A9 — Ruwais refinery, flaring.



Plate A10 — Mesaieed industrial city, flaring.



Plate A11 — Misrata port, night heat. 3 Nov 00:41 UTC (02:41 EET), NOAA-20.

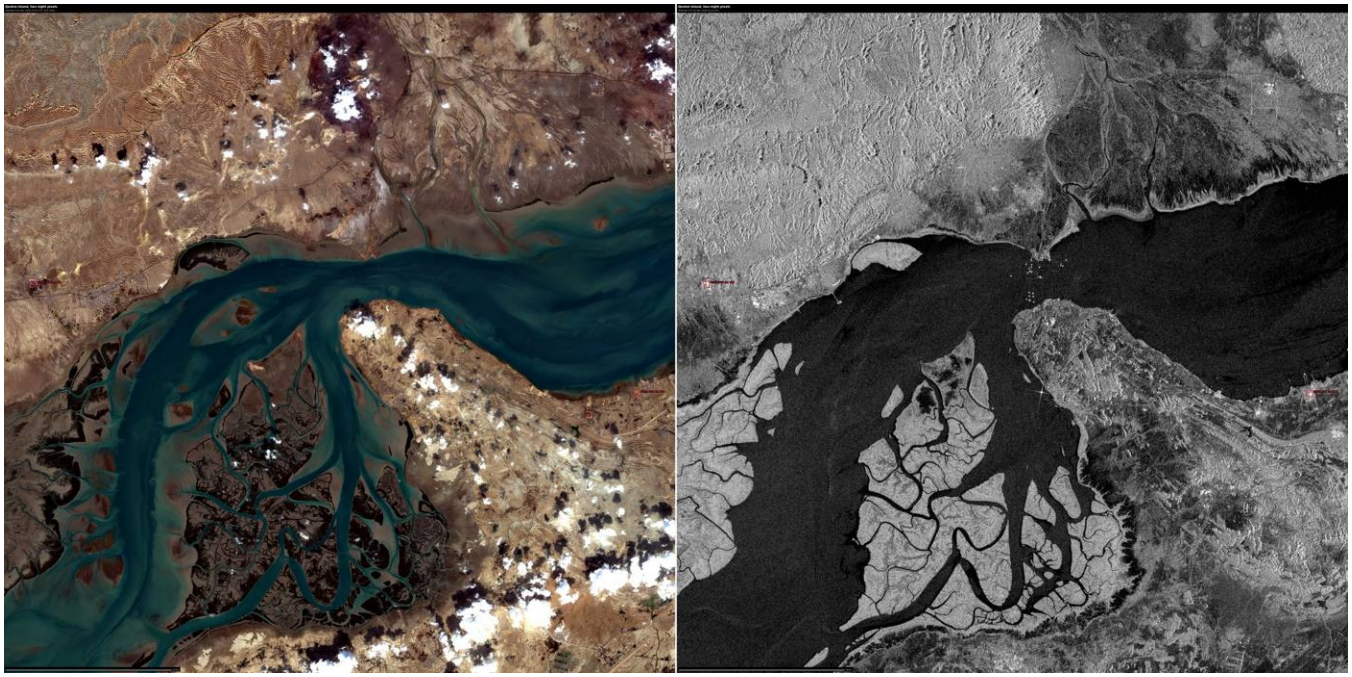


Plate A12 — Qeshm Island, two night pixels. 2 Nov 22:01 UTC (3 Nov 01:31 UTC+3:30 local).

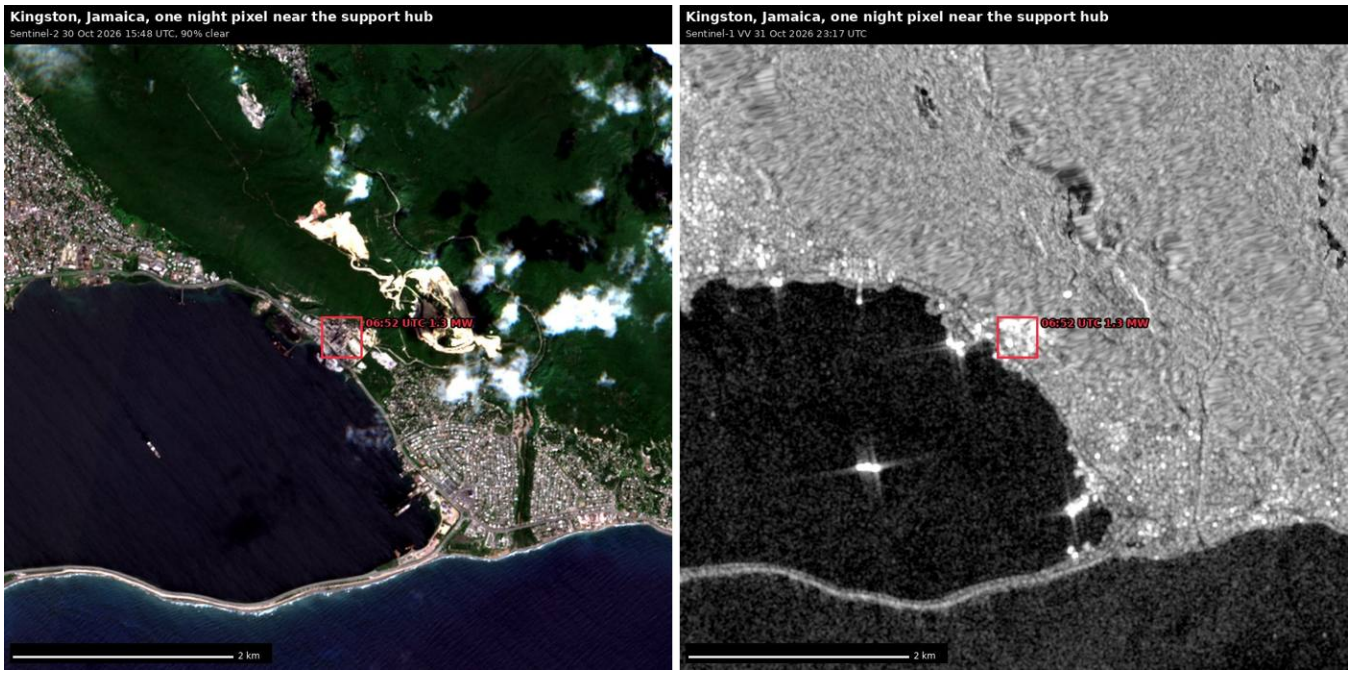


Plate A13 — Kingston, Jamaica, one night pixel near the support hub. 2 Nov 06:52 UTC (01:52 EST).



Plate A14 — bp Cherry Point refinery, one night pixel. 2 Nov 09:21 UTC (01:21 PST).

7. Method and sources

One measurement for every source: tools/sitrep_measure.py → measure.json in this report's folder. Pickup: the 33-hour run of 3 Nov (Sentinel-2 L2A with cloud mask v2, Sentinel-1 RTC, Landsat C2 L2). Heat: NASA FIRMS VIIRS and MODIS, every 3 h. Flights: adsb.lol daily archive (ODbL). Local times from coordinates (scripts/rwi_time.py). Police aircraft are reported as counts only.

Reporting checked: Middle East Monitor / Anadolu Agency at 2 Nov 2026 14:46 UTC; News.az at 2 Nov 2026 18:25; BizJet Journal (Flightradar24 flight record) at 1 Nov 2026 (updated 3 Nov); Associated Press (via PBS NewsHour) at 2 Nov 2026 14:31 EST; Associated Press (via NBC 6 South Florida) at 2 Nov 2026 00:15 UTC; Libnanews at 2 Nov 2026 17:06 UTC.

Searched with no matching reports: fires at Bradshaw or Mount Bundey training areas (2 Nov); fire at Misrata port (2–3 Nov); C-32A movements to Homestead (31 Oct–1 Nov).