RWI SITREP 004 — Canadian footprint, last 7 days

Window ≈ 18 Oct → 25 Oct 2026 (imagery 18 Oct 06:51 → 25 Oct 06:51 UTC; FIRMS 7-day feed to 25 Oct ~07:00 UTC, plus 17 Oct from the watch log). Scope: 101 sites — 43 domestic installations, 45 North Warning System radars in Canada, 6 NWS + 14 NORAD radars in Alaska, 12 Canadian installations/detachments abroad, and Camp Ādaži (Latvia). Follows SITREP 003.

1. Summary

1.1 **Quiet week across the Canadian footprint apart from CFB Wainwright.** No thermal activity at any other Canadian base, wing, station or NWS radar; no construction, aircraft surges or damage we can see at 10 m.

1.2 **Wainwright** remains the only event: 8 fire pixels at 20:49 UTC (14:49 MDT) on 17 Oct, 2 more on 18 Oct, and a ~3 km burn scar on the 19 Oct image. Our first detection precedes the army's stated ~16:00 MDT ignition by about 70 minutes (see SITREP 001). **CORRELATED** event · **NOT IN NEWS** timing.

1.3 Small heat sources near three overseas sites are industrial and **not on the Canadian sites themselves** (§4).

1.4 Most 'change' flagged by the automatic score is autumn: leaf fall in Ontario/Quebec, first snow at Iqaluit, Inuvik and across the Arctic radar chain, and sun glint (Plate D).

1.5 All 112 new boxes were checked against first imagery: 36/38 domestic and all active overseas boxes land on their installation. Suffield and Gagetown were clouded out; most short-range NWS pads are too small or snow-covered to confirm beyond the airstrip.

2. CFB Wainwright — status

2.1 No thermal detections since 18 Oct 20:32 UTC. The fire is out in our data.

2.2 Investigations (CP24, 20 Oct): RCMP with military police (criminal), the fire marshal, and a CAF Board of Inquiry; about 50 investigators on site. 33 members remained in hospital on 20 Oct. The Chief of the Defence Staff has committed to releasing the inquiry's findings publicly (CP24, 19 Oct).

2.3 The army's own account includes a grass fire about 1 km away before the wind shift. Our 14:49 MDT pixels — a 3 km line already burning — are consistent with that earlier fire. The public timeline still gives ~16:00 for ignition.

3. Domestic installations (43)

Area	Read	News
Western bases (Edmonton, Wainwright, Cold Lake, Suffield, Moose Jaw, Dundurn, Shilo, Winnipeg, Southport)	Clear imagery at all but Suffield. Normal aircraft on aprons at Winnipeg, Moose Jaw, Cold Lake, Edmonton (Namao). No thermal outside Wainwright.	**NOTHING TO MATCH**
Ontario (Petawawa, Borden, Kingston, North Bay, Trenton, Ottawa HQ & Leitrim, Meaford, Toronto, London)	Clear; autumn colour change dominates. One small night pixel in downtown Kingston, Ont. (19 Oct, 0.8 MW) — in the city, not on the base.	**NOTHING TO MATCH**
Quebec & Atlantic (Valcartier, Bagotville, Montreal, Saint-Jean, Gagetown, Greenwood, Aldershot, Halifax, Gander, Goose Bay)	Clear except Gagetown (cloud). Nothing notable.	**NOTHING TO MATCH**
Pacific (Esquimalt, Comox, Nanoose, Chilliwack, Masset)	Comox and Nanoose mostly cloudy; Masset's circular antenna array visible. Nothing notable.	**NOTHING TO MATCH**
North (Alert, Iqaluit, Rankin Inlet, Resolute, Nanisivik, Inuvik, Yellowknife, Whitehorse)	First snow at Iqaluit and Inuvik. Alert, Resolute and Nanisivik in polar night — no new optical imagery.	**NOTHING TO MATCH**
LNG Canada, Kitimat (infrastructure)	2 small flare pixels (20 & 24 Oct).	**NOTHING TO MATCH**

4. Overseas (12 + Ādaži)

Site	Read	News
OSH Southwest Asia, Ali Al Salem (Kuwait)	2 clear passes; airbase normal. No thermal.	**NOTHING TO MATCH**
OSH Europe, Köln-Bonn; NATO Geilenkirchen; Lille; Stavanger	Imaged (mostly radar; cloud). Nothing notable.	**NOTHING TO MATCH**
Formation Europe / SHAPE, Casteau	10 low night pixels 18–24 Oct at ~50.47N 3.99E, about 3 km south of SHAPE — a persistent industrial source, not the HQ.	**NOTHING TO MATCH**
OSH Jamaica (disabled — site unlocated)	5 night pixels 18–23 Oct on Kingston's eastern harbour industrial waterfront (~17.965N 76.73W) — industrial; we still don't know where the hub is.	**NOTHING TO MATCH**
OSH West Africa, Dakar	1 clear pass; nothing notable.	**NOTHING TO MATCH**
NORAD: Peterson, Cheyenne Mountain, JBER	Clear; nothing notable.	**NOTHING TO MATCH**
Camp Ādaži (Latvia)	Clouded out this week (see SITREP 001).	**NOTHING TO MATCH**

5. North Warning System and Alaska radars (65)

5.1 No thermal detections at any radar site. Snow cover from the Beaufort coast to Baffin; Labrador and Alaska's south coast still mostly bare.

5.2 Context for future watching: the USAF awarded a US$40 million contract (May 2026, IAP World Services) to replace the AN/FPS-124 radomes at the short-range sites through 2035 (Army Recognition). Radome replacement work — equipment, temporary camps, removed domes — is the kind of change that is visible from orbit; it will be easier to spot in summer.

5.3 Point Lay (A-15) is disabled as possibly closed; Lady Franklin Point (PIN-3) shows features on the 15 Oct baseline despite a 2000 fire report — status to confirm.

6. Gaps and next

6.1 Re-try Suffield and Gagetown on the next clear pass. Locate OSH Jamaica and LANDCOM Izmir to enable them.

6.2 Arctic sites above ~66°N will be radar-only until February; radar change detection for these is the next pipeline feature worth building.

6.3 The 3-hourly thermal watch now covers all 101 Canadian sites.

Annex — imagery

Plate A — CFB Wainwright. 4 Oct pre-fire vs 19 Oct post-fire. Red: 8 NOAA-20 pixels 17 Oct 20:49 UTC; orange: 2 pixels 18 Oct.

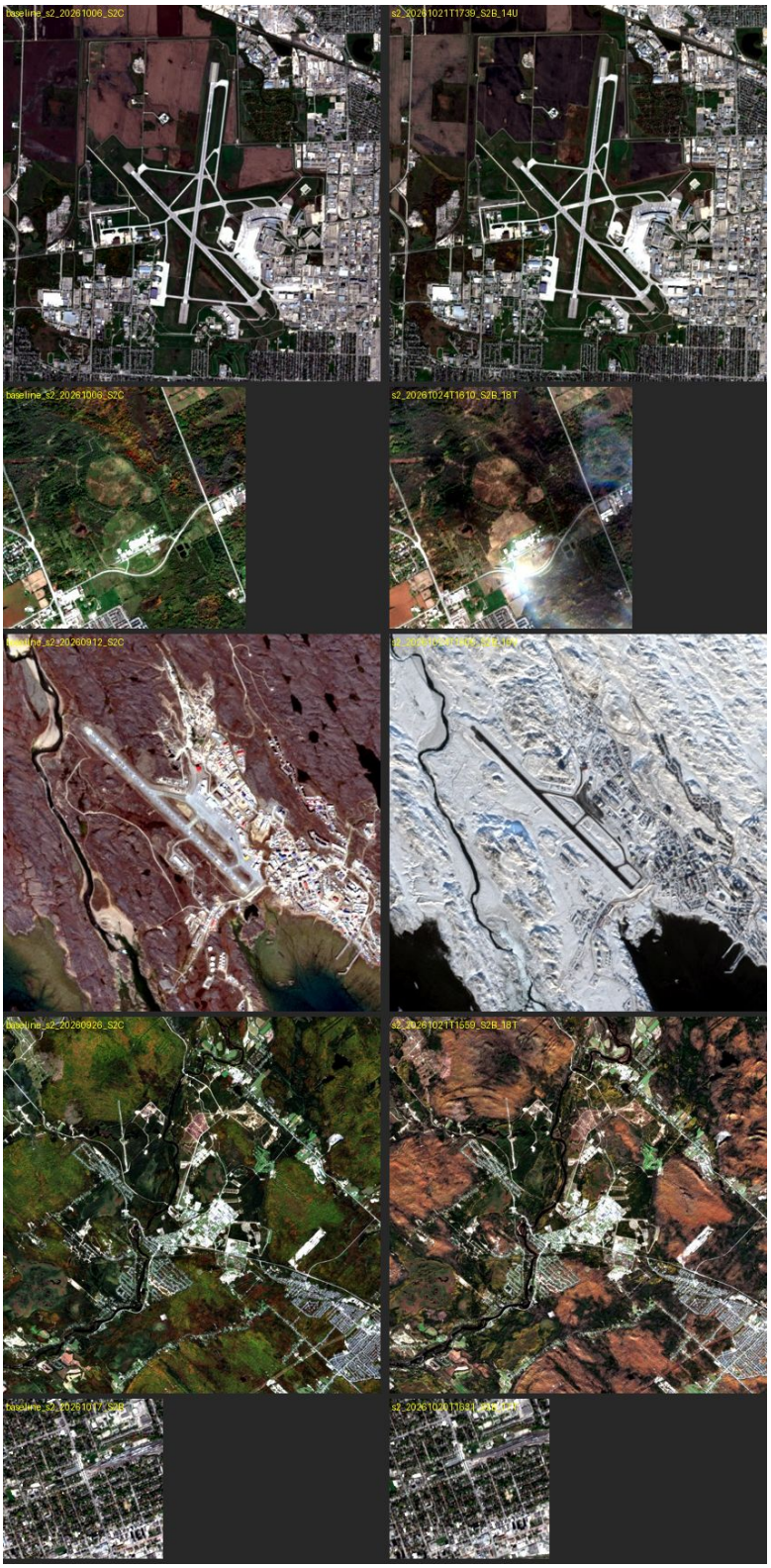


Plate D — what the change score is picking up. Baseline vs latest at Winnipeg (no change), Leitrim (sun glint), Iqaluit (first snow), Valcartier (leaf fall), London (none).

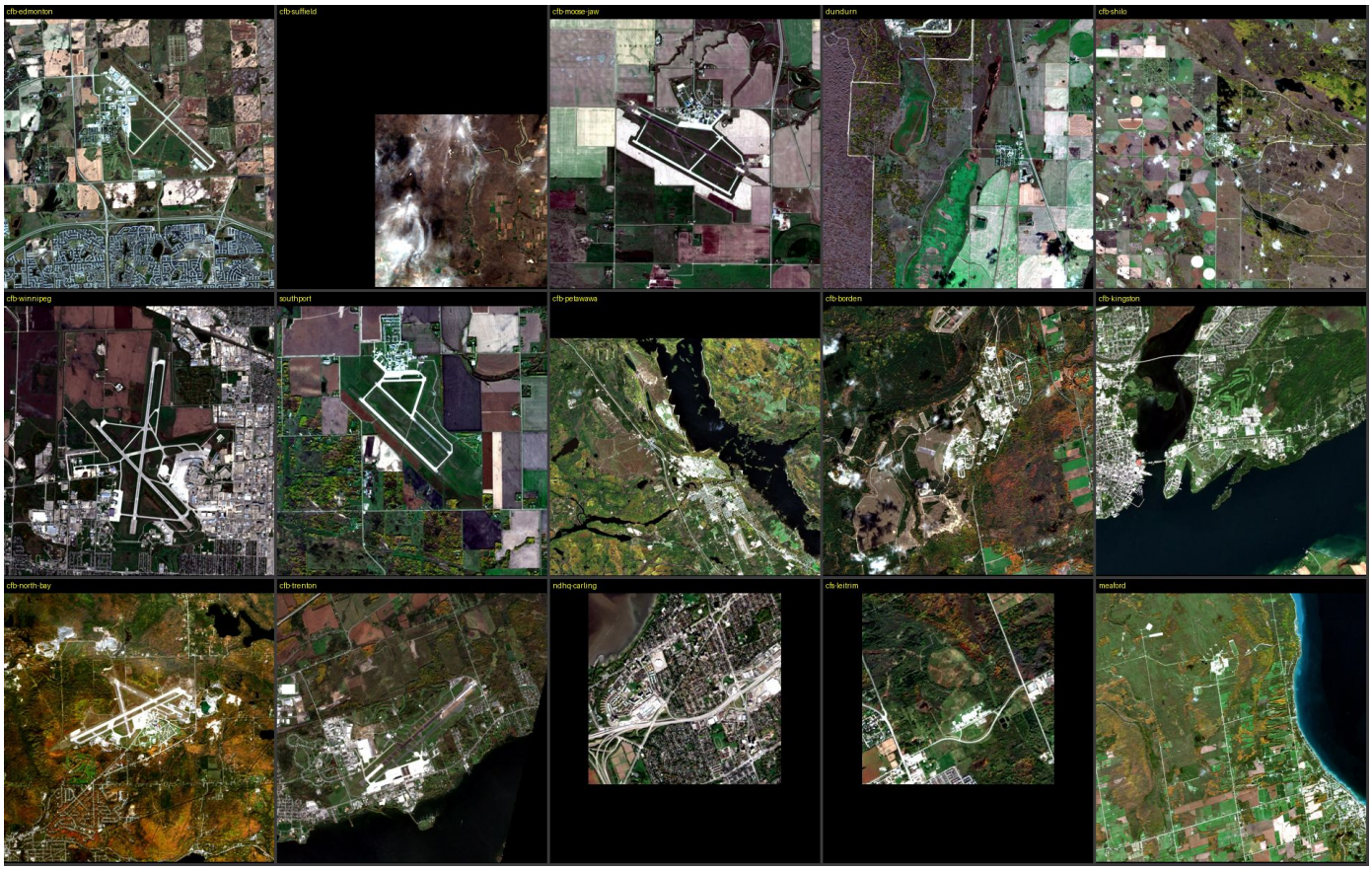
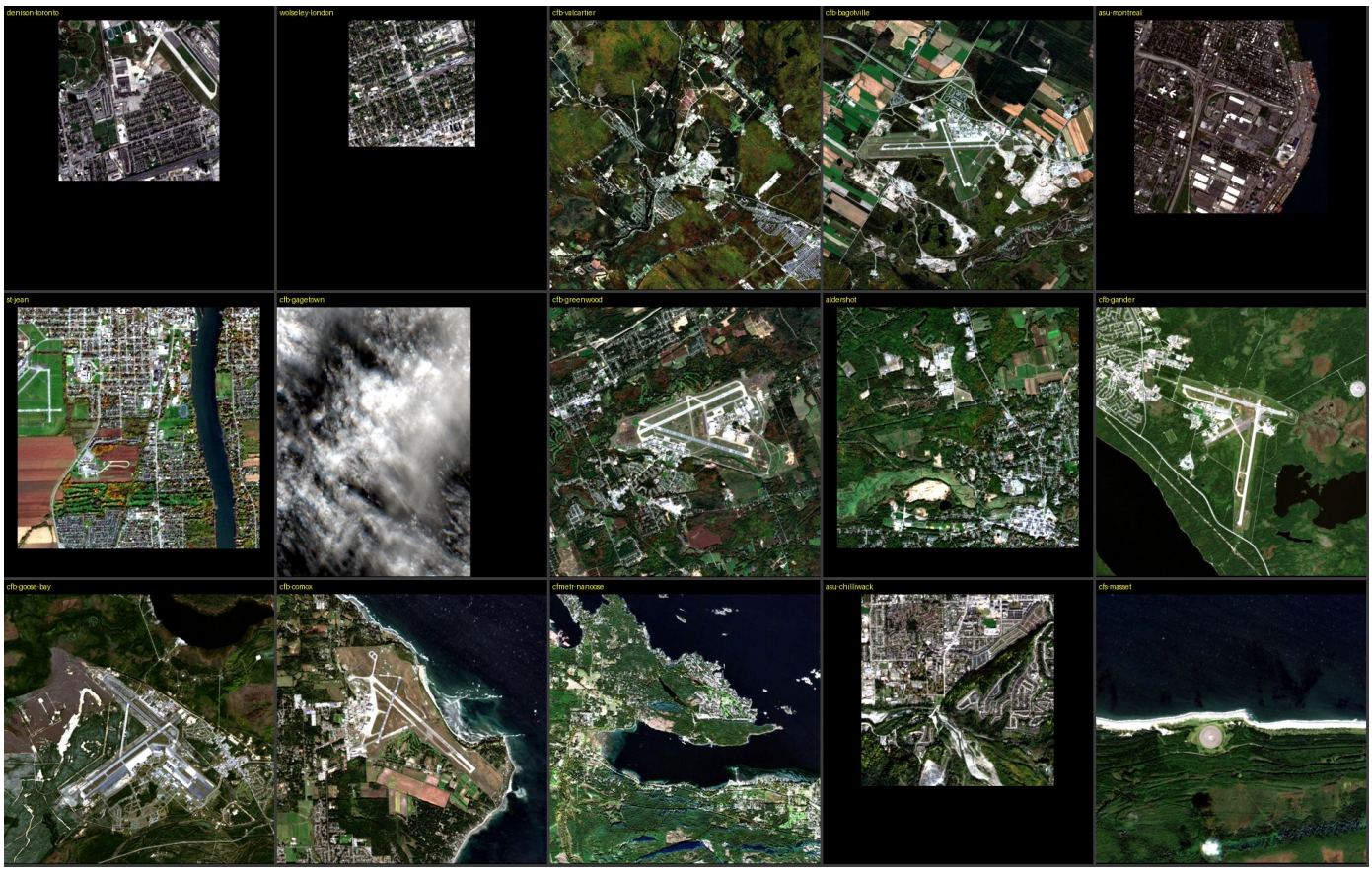


Plate B1–B3 — domestic installations, clearest image of the week (box check).



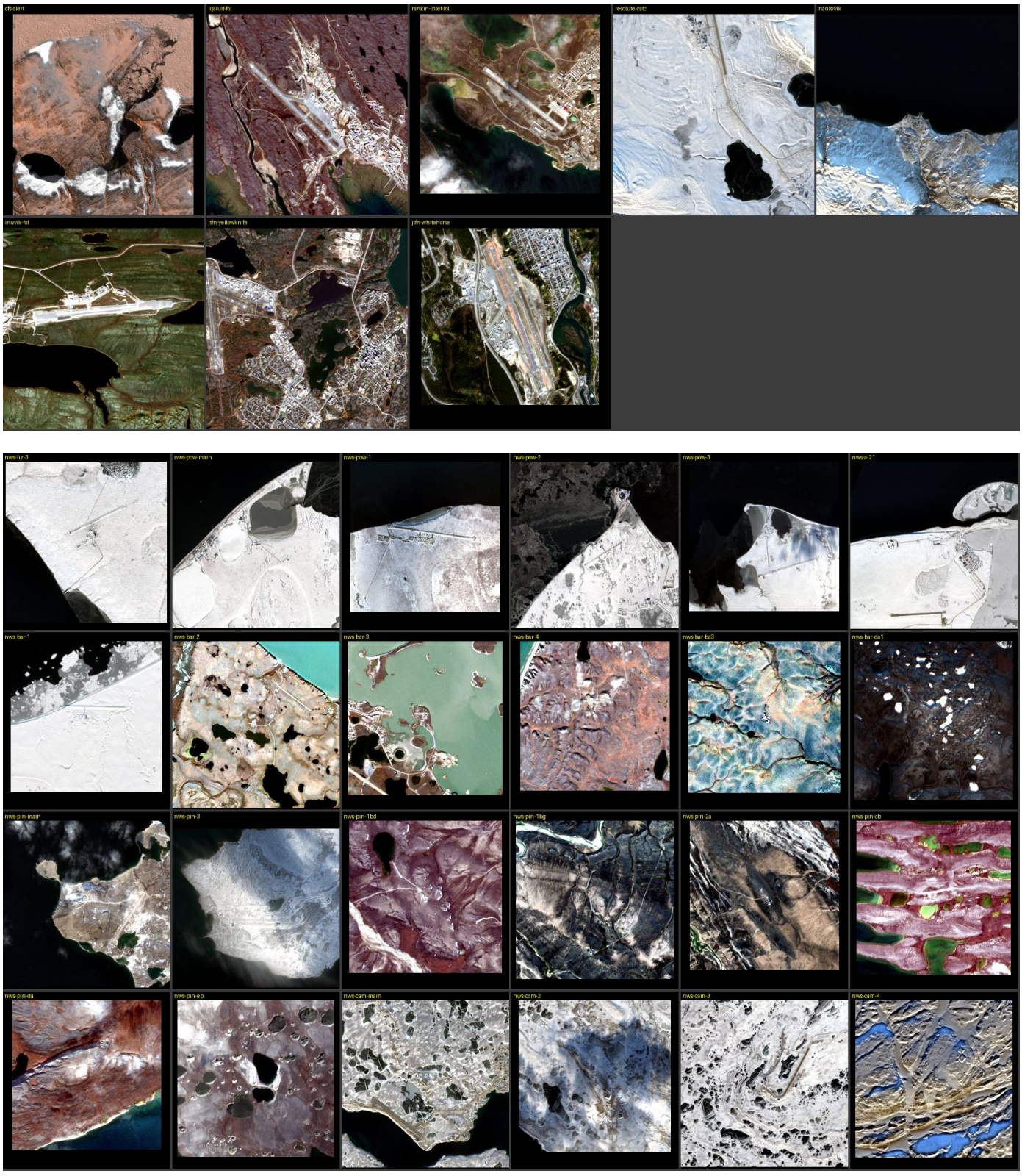
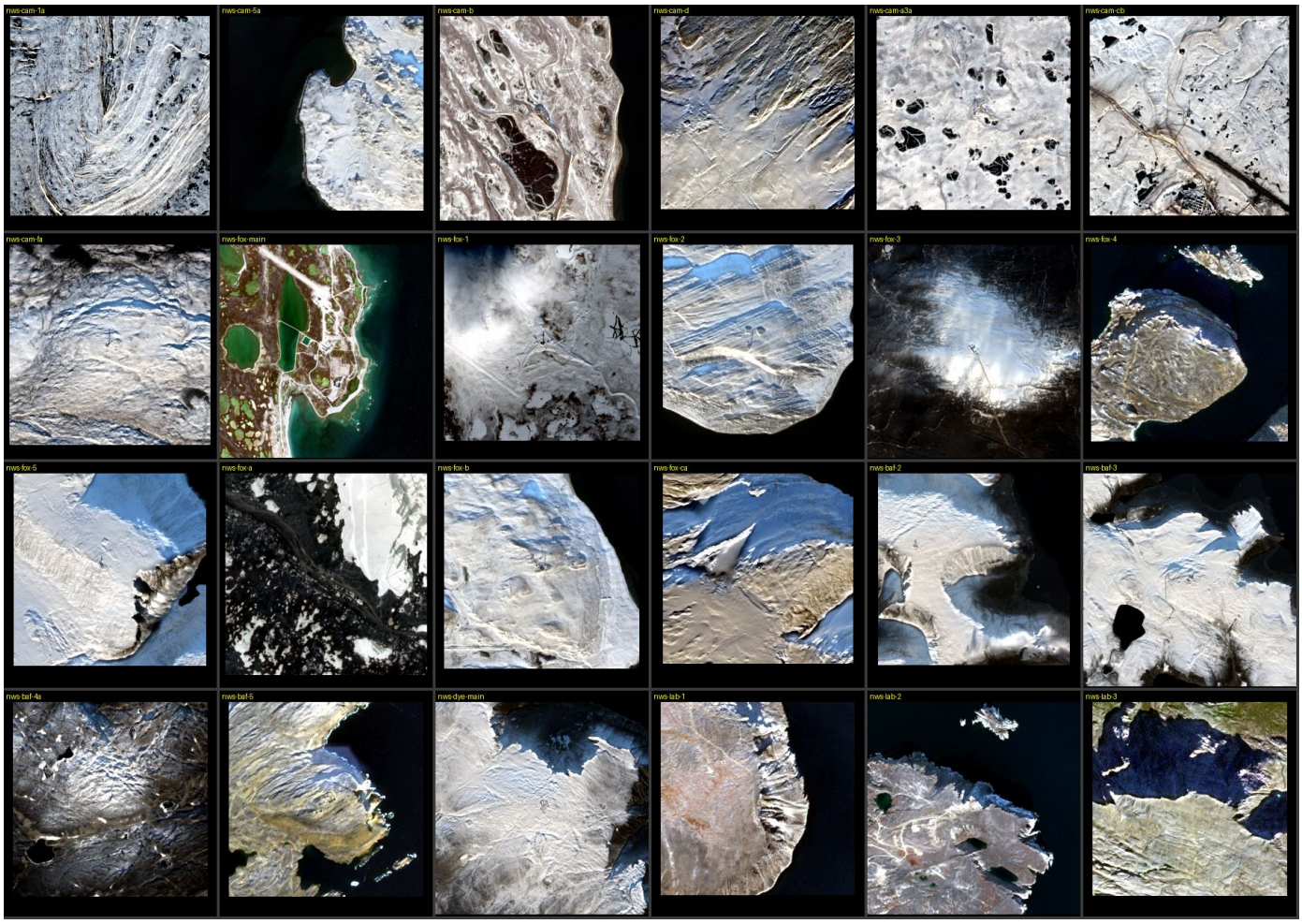


Plate C1–C3 — North Warning System, Alaska radars and overseas sites, clearest image of the week.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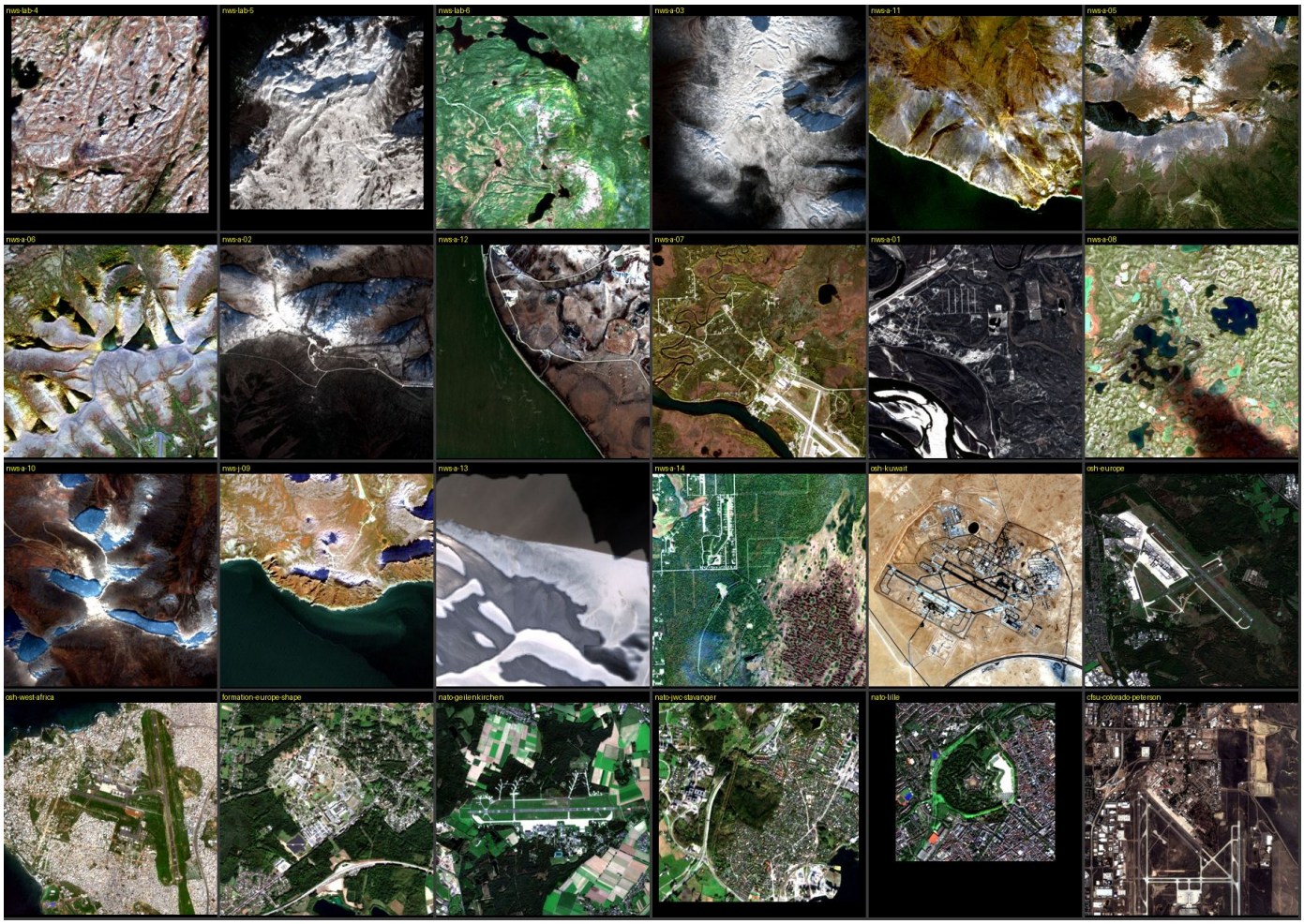

Sources

- NASA FIRMS (VIIRS SNPP / NOAA-20 / NOAA-21, MODIS); Copernicus Sentinel-1/-2.
- Global News, CFB Wainwright fire timeline — globalnews.ca/news/12107726/cfb-wainwright-timeline/
- CP24, 19 & 20 Oct 2026 (inquiry, investigators, hospitalized members).
- DND news releases on the Wainwright incident, Oct 2026 — canada.ca.
- Army Recognition, 21 May 2026 — USAF $40M NWS radome replacement contract.
- FortWiki, North Warning System site table; DND bases & support units; DND operational support hubs.