RWI SITREP 020 — Morning pickup — source evidence review · REVISION 1

Observation windows: 2026-10-29T18:52:32+00:00 to 2026-10-30T18:52:32+00:00. Source: retained satellite pickup manifests and actual imagery quicklooks. Evidence-bearing technical revision — analyst visual confirmation outstanding. Produced automatically; no unverified sighting is reported as an incident.

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. Unreviewed image-change candidate — Al Udeid Air Base (US-Qatari)
2026-10-30T07:22:43 UTC, scene metric 0.535 at al-udeid
Why it is a lead: Pixel-level difference only. Cloud, snow, tide, illumination or sensor geometry may explain the value; no operational conclusion.
What would settle it: Human comparison against raw optical/radar frames and an older matched baseline.

L2. Unreviewed image-change candidate — Ramstein Air Base
2026-10-30T10:37:16 UTC, scene metric 0.040 at ramstein
Why it is a lead: Pixel-level difference only. Cloud, snow, tide, illumination or sensor geometry may explain the value; no operational conclusion.
What would settle it: Human comparison against raw optical/radar frames and an older matched baseline.

L3. Unreviewed image-change candidate — Ras Laffan LNG
2026-10-30T07:22:29 UTC, scene metric 0.033 at ras-laffan
Why it is a lead: Pixel-level difference only. Cloud, snow, tide, illumination or sensor geometry may explain the value; no operational conclusion.
What would settle it: Human comparison against raw optical/radar frames and an older matched baseline.

L4. Unreviewed image-change candidate — Zawiya — refinery, port and city
2026-10-30T10:01:45 UTC, scene metric 0.020 at zawiya
Why it is a lead: Pixel-level difference only. Cloud, snow, tide, illumination or sensor geometry may explain the value; no operational conclusion.
What would settle it: Human comparison against raw optical/radar frames and an older matched baseline.

1. Bottom line and acquisition status

218 site entries; 70 satellite acquisition records, 38 marked usable by the collection pipeline; 55 sites with verified local quicklook pixels and 55 retained raw GeoTIFF crops.

Data quality: 0 per-site collection errors; 4 FIRMS source-feed errors. A feed error is NOT a negative thermal observation.

Thermal: 0 attributed FIRMS pixels in the stored manifests; overlaps may count the same source more than once. These counts are not verified fires, strikes, or military events.

Interpretation: Image-change scores are unreviewed algorithmic candidates. These figures show real retrieved pixels but do not establish an operational change.

Full site-by-site collection table: **COVERAGE.csv**; every source, hash and limitation: **EVIDENCE-INDEX.json**.

2. Live questions and verification tasks

Which apparent pixel differences persist in independently matched acquisitions? Which are attributable to snow, cloud, tide, seasonal lighting or image-registration issues? Were FIRMS feeds available during every required window? Do any candidate sites warrant follow-up collection? None is answered by one image alone.

3. Ranked unverified image-change candidates

Site	Score	Pass UTC	Status
Al Udeid Air Base (US-Qatari)	0.535	2026-10-30T07:22	PARTIAL / needs visual check
Ramstein Air Base	0.040	2026-10-30T10:37	PARTIAL / needs visual check
Ras Laffan LNG	0.033	2026-10-30T07:22	PARTIAL / needs visual check
Zawiya — refinery, port and city	0.020	2026-10-30T10:01	PARTIAL / needs visual check
Engels-2 Air Base	0.013	2026-10-30T08:15	PARTIAL / needs visual check
Engels-2 Air Base	0.012	2026-10-30T08:05	PARTIAL / needs visual check
Abqaiq oil processing	0.012	2026-10-30T07:22	PARTIAL / needs visual check

4. Provenance and uncertainty

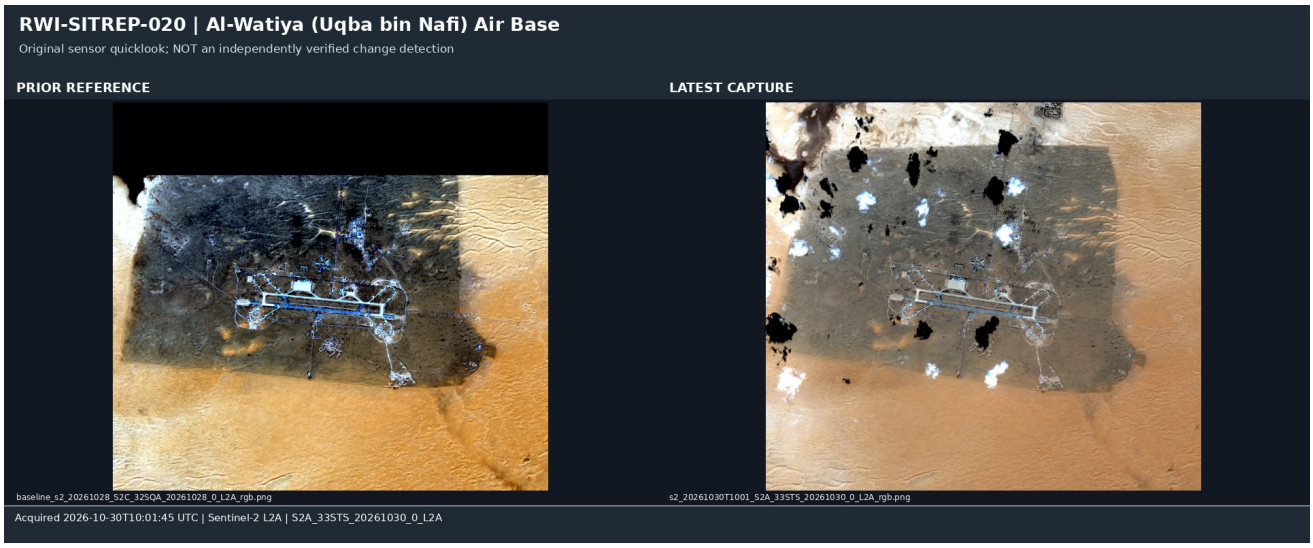
Captured manifest windows: 2026-10-29T18:52:32+00:00–2026-10-30T18:52:32+00:00. Acquisition IDs, original URLs recoverable through the cited sensor catalogues, exact per-site asset files and SHA-256 are listed in EVIDENCE-INDEX.json. Raw TIFFs locally retained for 55 selected passes; other original products are NOT retained and must be reobtained using source scene IDs.
Upstream sources: Sentinel-2 L2A (Element84 Earth Search STAC), Sentinel-1 RTC and Landsat (Microsoft Planetary Computer STAC), NASA FIRMS. The source status and sensor name for each pass are copied from the actual collection record, not presumed.

FIRMS feed errors

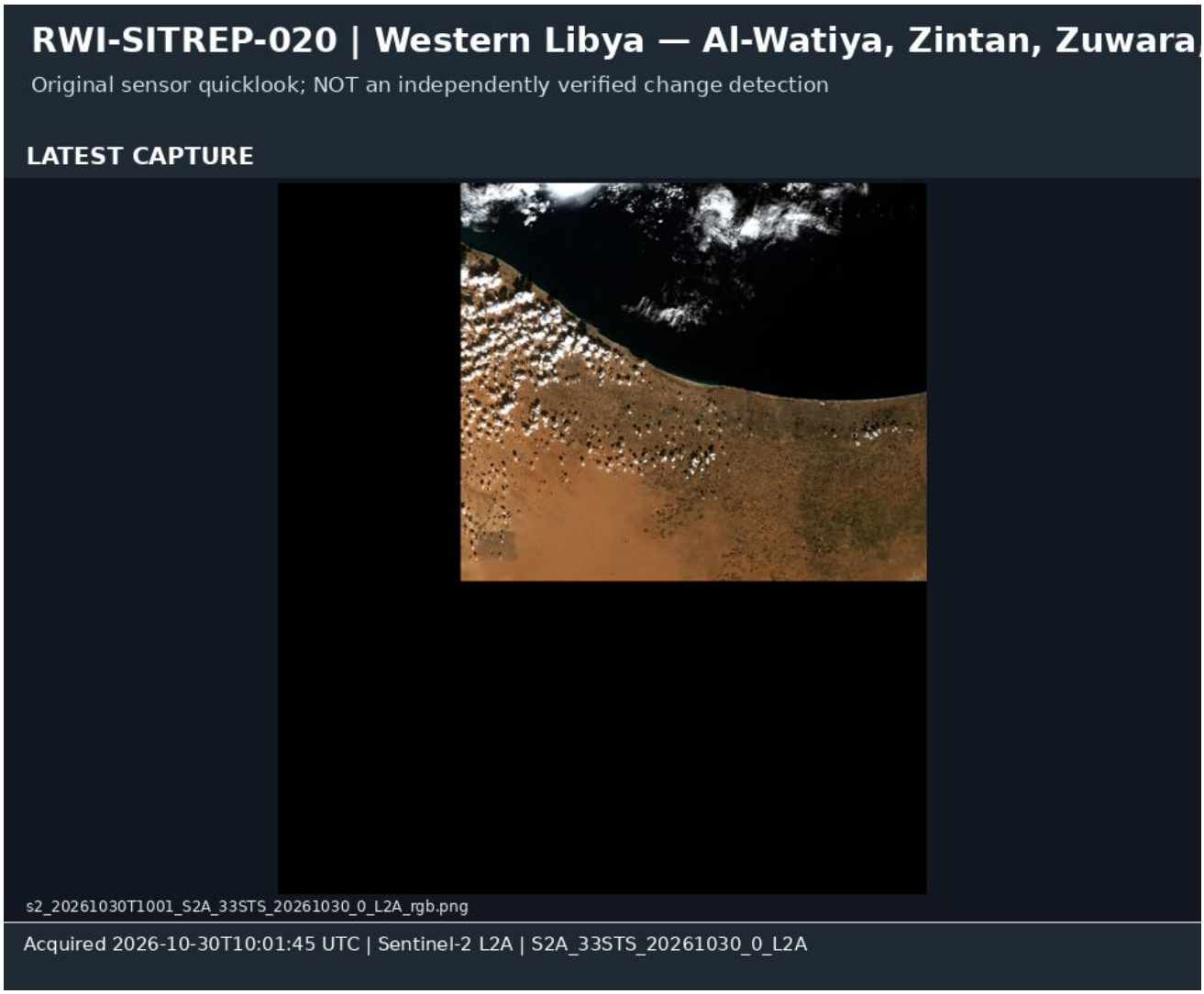
viirs_snpp: error: HTTPSConnectionPool(host='firms.modaps.eosdis.nasa.gov', port=443): Max retries exceeded with url: /data/active_fire/suomi-npp-viirs-c2/csv/SUOMI_VIIRS_C2_Global_24h.csv (Caused by NewConnectionError("HTTPSConnection(host='firms.modaps.eosdis.nasa.gov', port=443): Failed to establish a new connection: [Errno 101] Network is unreachable"))
viirs_noaa20: error: HTTPSConnectionPool(host='firms.modaps.eosdis.nasa.gov', port=443): Max retries exceeded with url: /data/active_fire/noaa-20-viirs-c2/csv/J1_VIIRS_C2_Global_24h.csv (Caused by NewConnectionError("HTTPSConnection(host='firms.modaps.eosdis.nasa.gov', port=443): Failed to establish a new connection: [Errno 101] Network is unreachable"))
viirs_noaa21: error: HTTPSConnectionPool(host='firms.modaps.eosdis.nasa.gov', port=443): Max retries exceeded with url: /data/active_fire/noaa-21-viirs-c2/csv/J2_VIIRS_C2_Global_24h.csv (Caused by NewConnectionError("HTTPSConnection(host='firms.modaps.eosdis.nasa.gov', port=443): Failed to establish a new connection: [Errno 101] Network is unreachable"))
modis: error: HTTPSConnectionPool(host='firms.modaps.eosdis.nasa.gov', port=443): Max retries exceeded with url: /data/active_fire/modis-c6.1/csv/MODIS_C6_1_Global_24h.csv (Caused by NewConnectionError("HTTPSConnection(host='firms.modaps.eosdis.nasa.gov', port=443): Failed to establish a new connection: [Errno 101] Network is unreachable"))

5. Annotated image plate annex

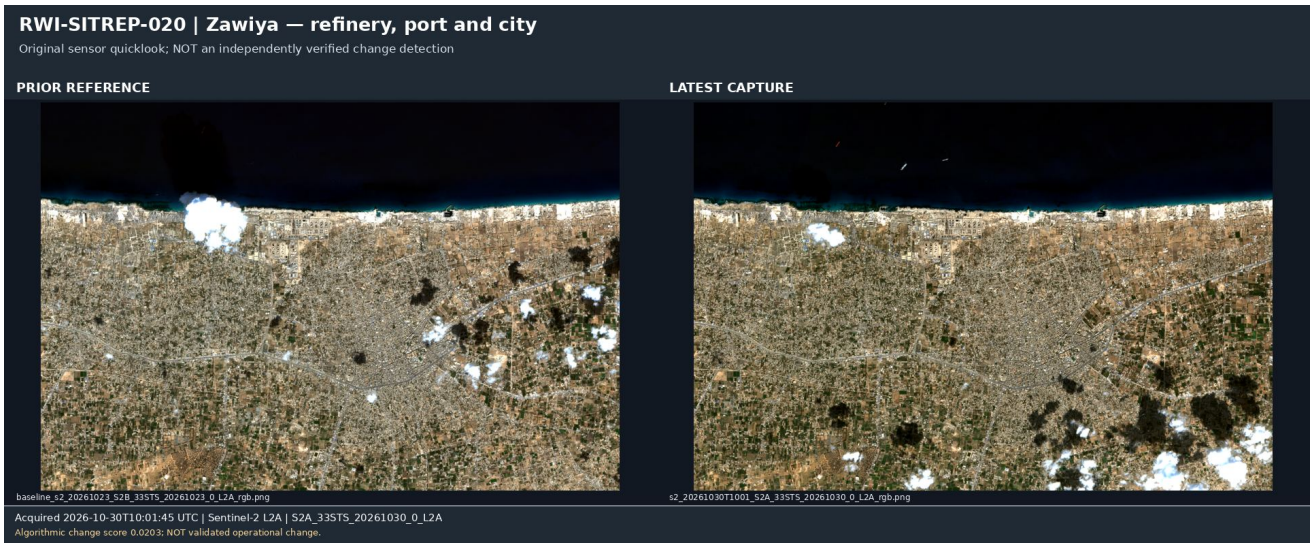
Each plate below contains actual acquisition quicklook pixels, optional prior-reference panel, acquisition label and scene ID. Annotations identify what was captured; none labels activity that was not independently established.



P001: Al-Watiya (Uqba bin Nafi) Air Base — Source S2A_33STS_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



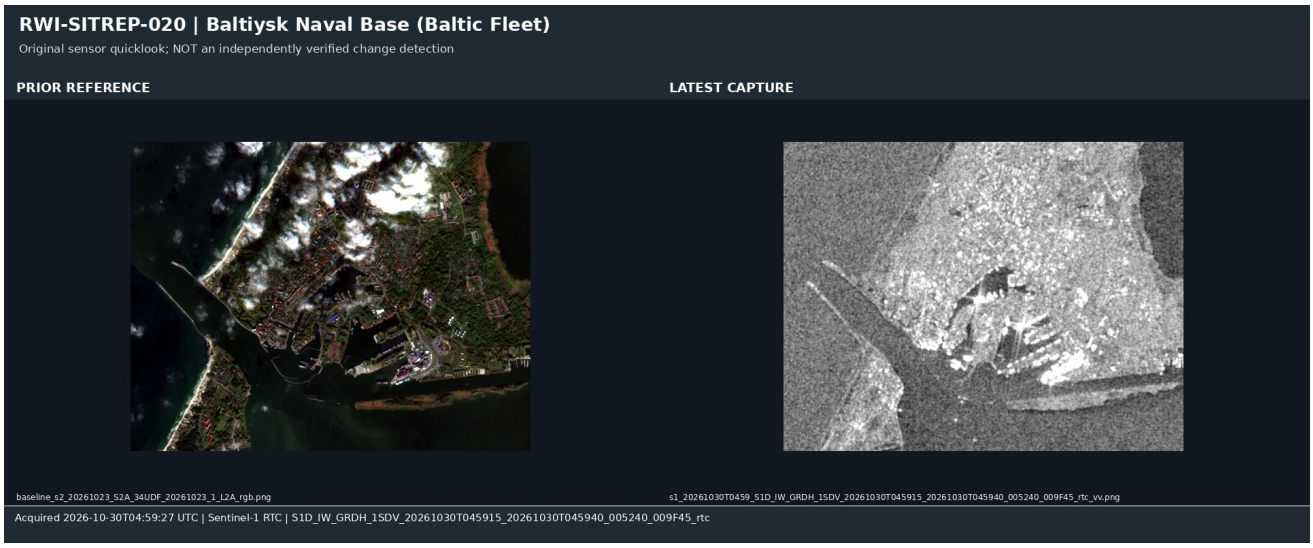
P002: Western Libya — Al-Watiya, Zintan, Zuwara, Sabratha, Zawiya, Ras Ajdir — Source S2A_33STS_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



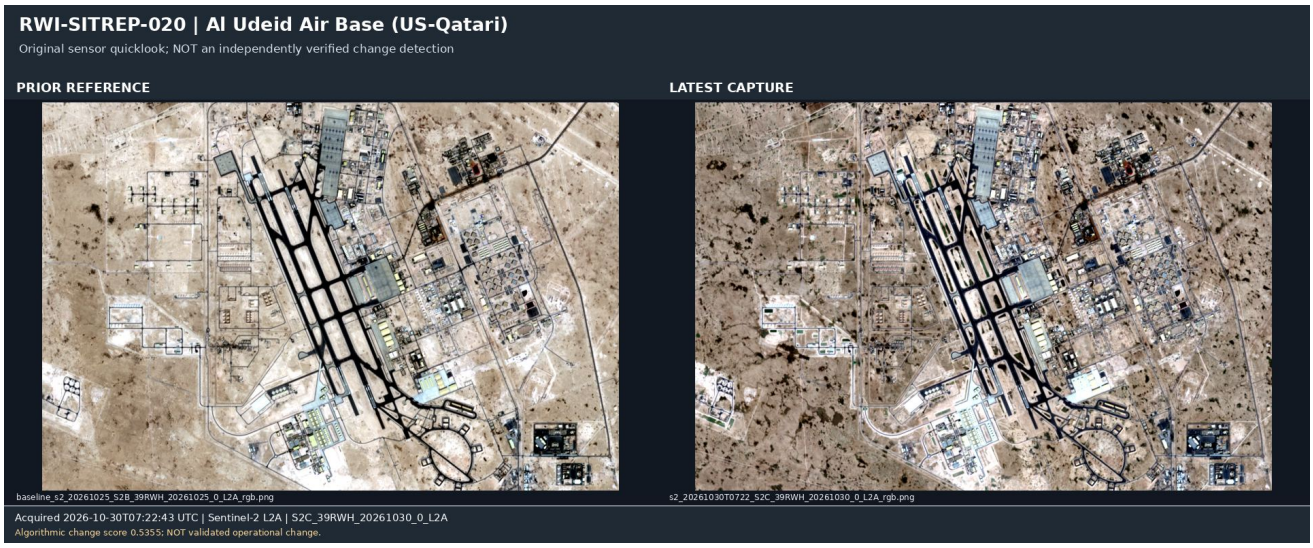
P003: Zawiya — refinery, port and city — Source S2A_33STS_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



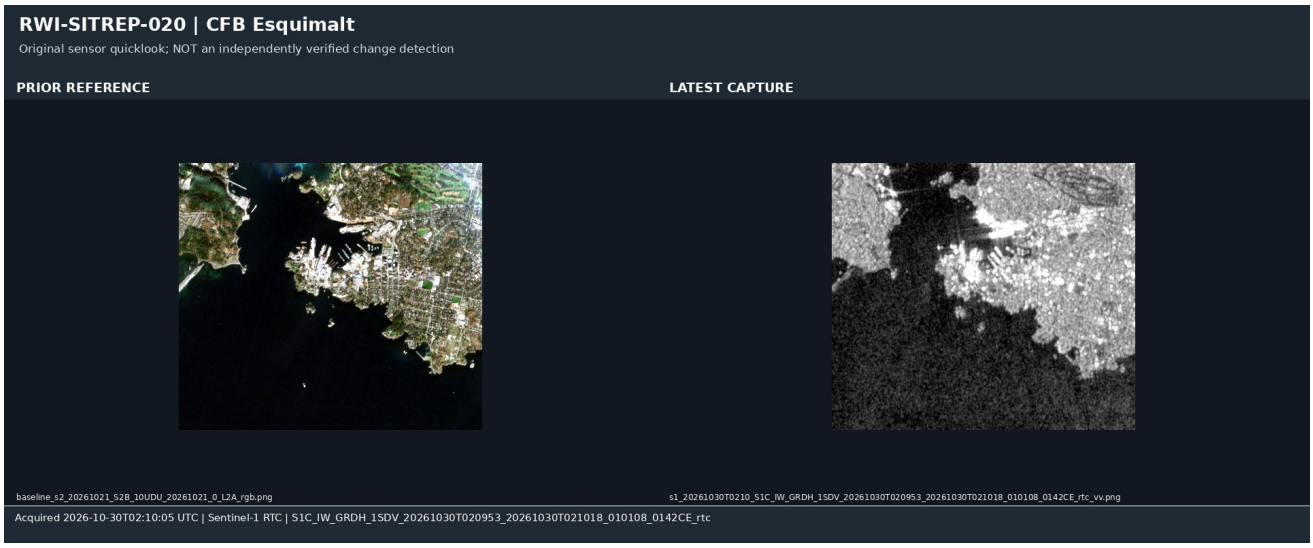
P004: Engels-2 Air Base — Source S2A_38UNC_20261030_1_L2A; most recent available selected by quality. No visual event finding asserted.



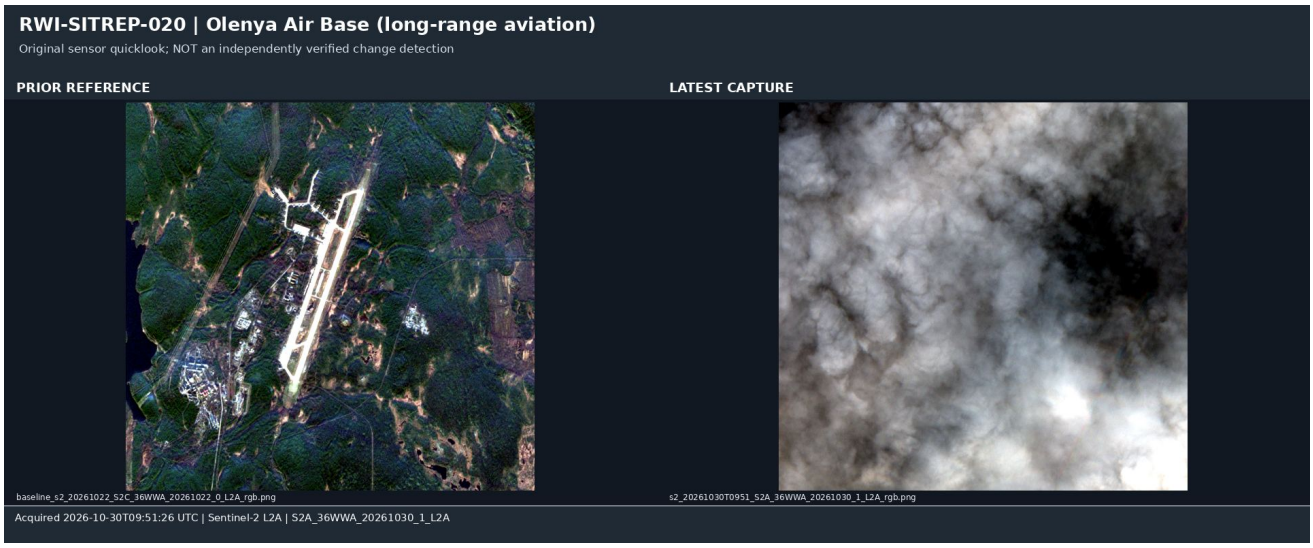
P005: Baltiysk Naval Base (Baltic Fleet) — Source S1D_IW_GRDH_1SDV_20261030T045915_20261030T045940_005240_009F45_rtc; most recent available selected by quality. No visual event finding asserted.



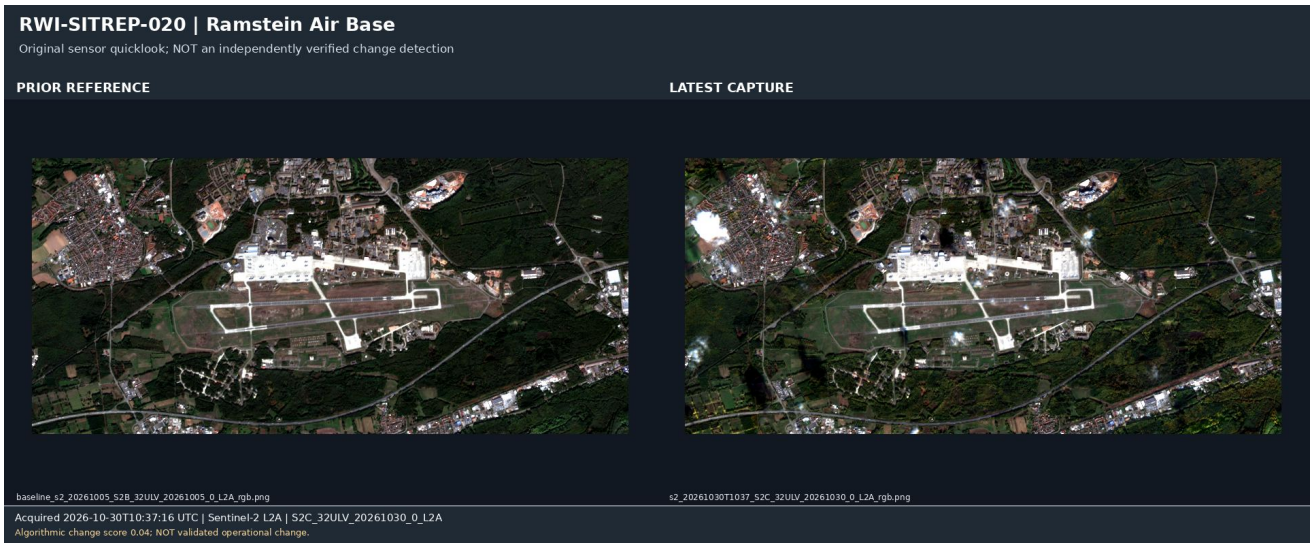
P006: Al Udeid Air Base (US-Qatari) — Source S2C_39RWH_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



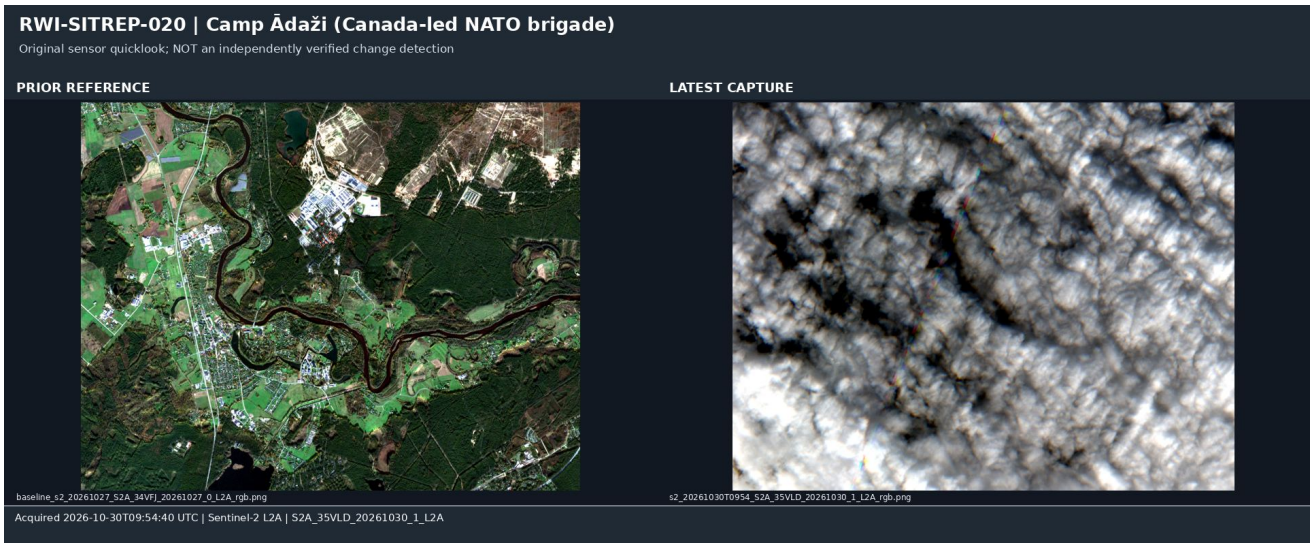
P007: CFB Esquimalt — Source S1C_IW_GRDH_1SDV_20261030T020953_20261030T021018_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



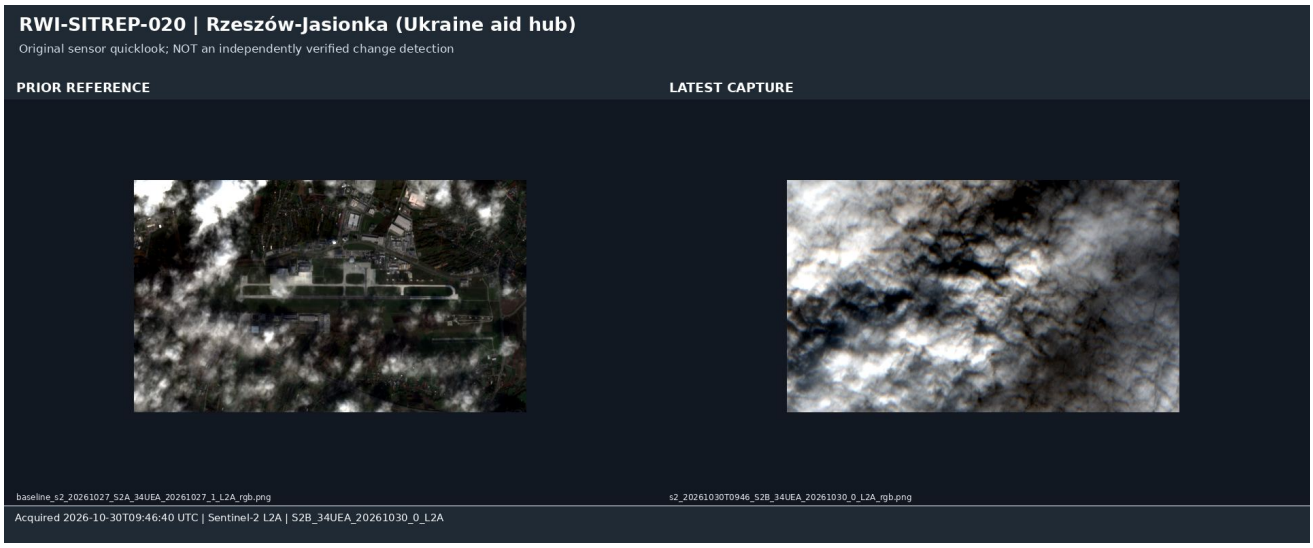
P008: Olenya Air Base (long-range aviation) — Source S2A_36WWA_20261030_1_L2A; most recent available selected by quality. No visual event finding asserted.



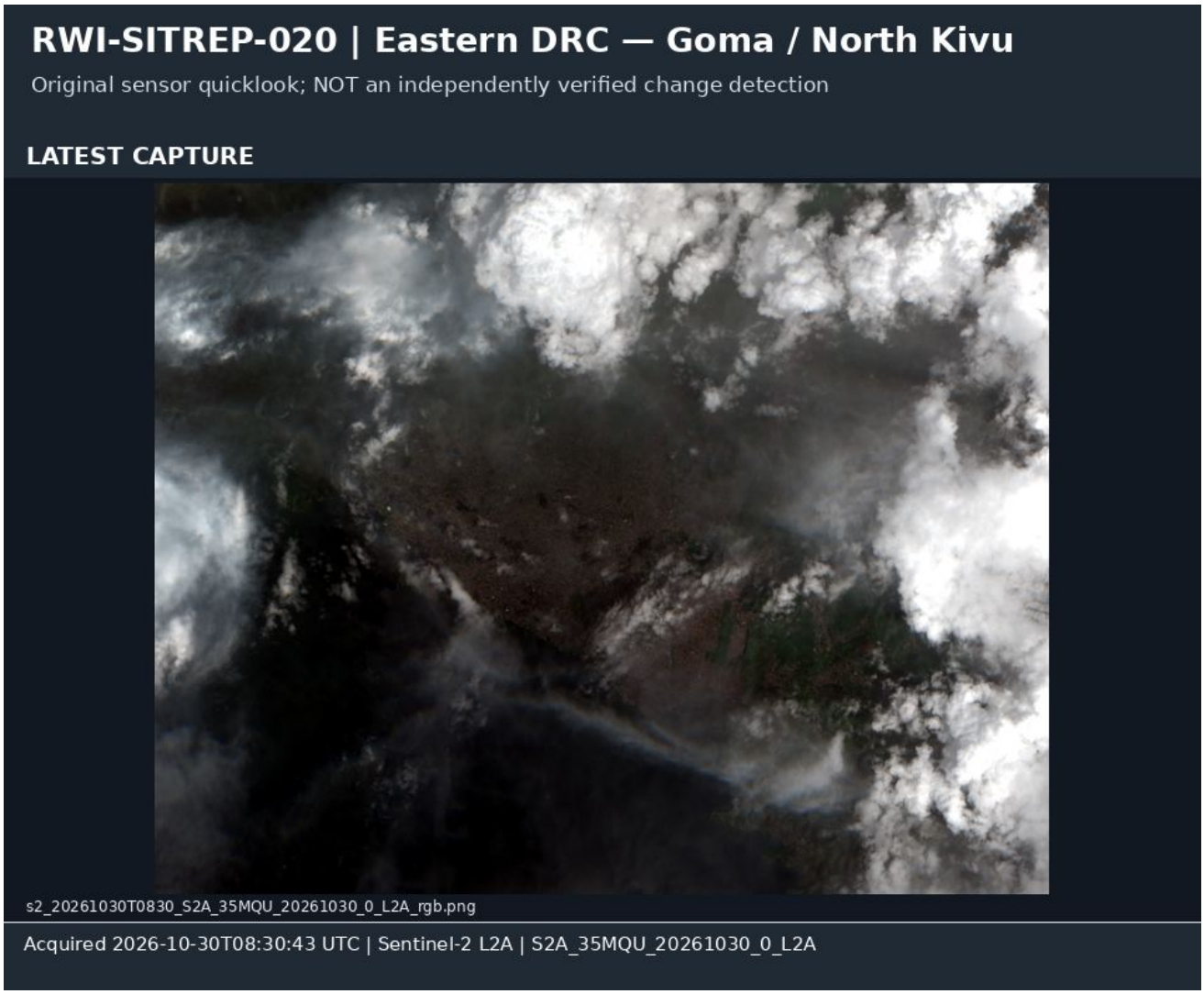
P009: Ramstein Air Base — Source S2C_32ULV_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



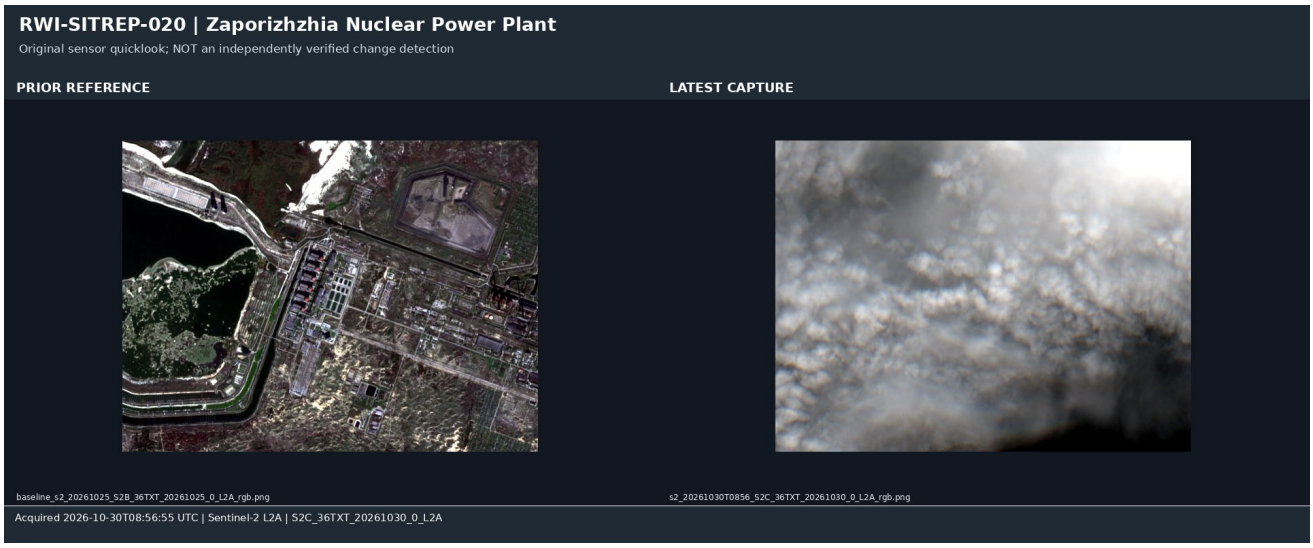
P010: Camp Ādaži (Canada-led NATO brigade) — Source S2A_35VLD_20261030_1_L2A; most recent available selected by quality. No visual event finding asserted.



P011: Rzeszów-Jasionka (Ukraine aid hub) — Source S2B_34UEA_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



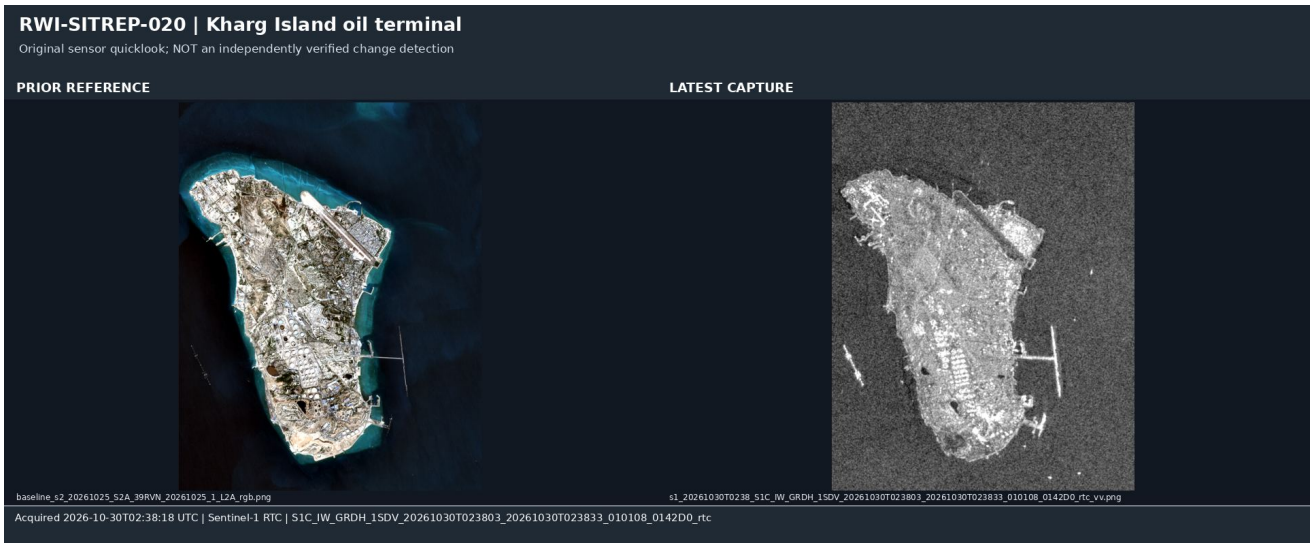
P012: Eastern DRC — Goma / North Kivu — Source S2A_35MQU_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



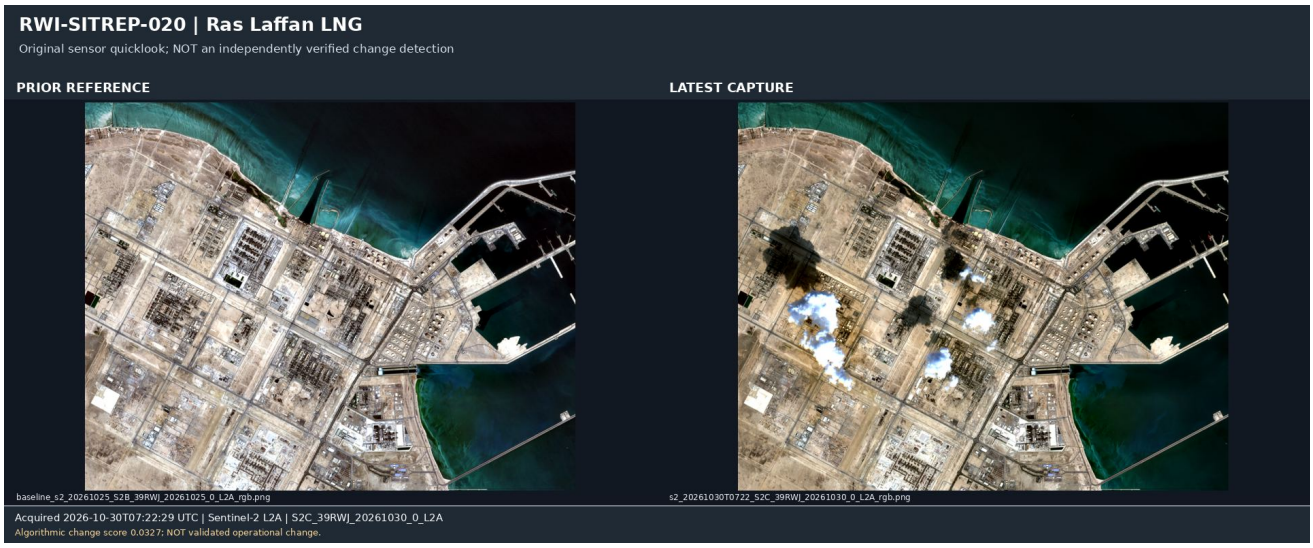
P013: Zaporizhzhia Nuclear Power Plant — Source S2C_36TXT_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



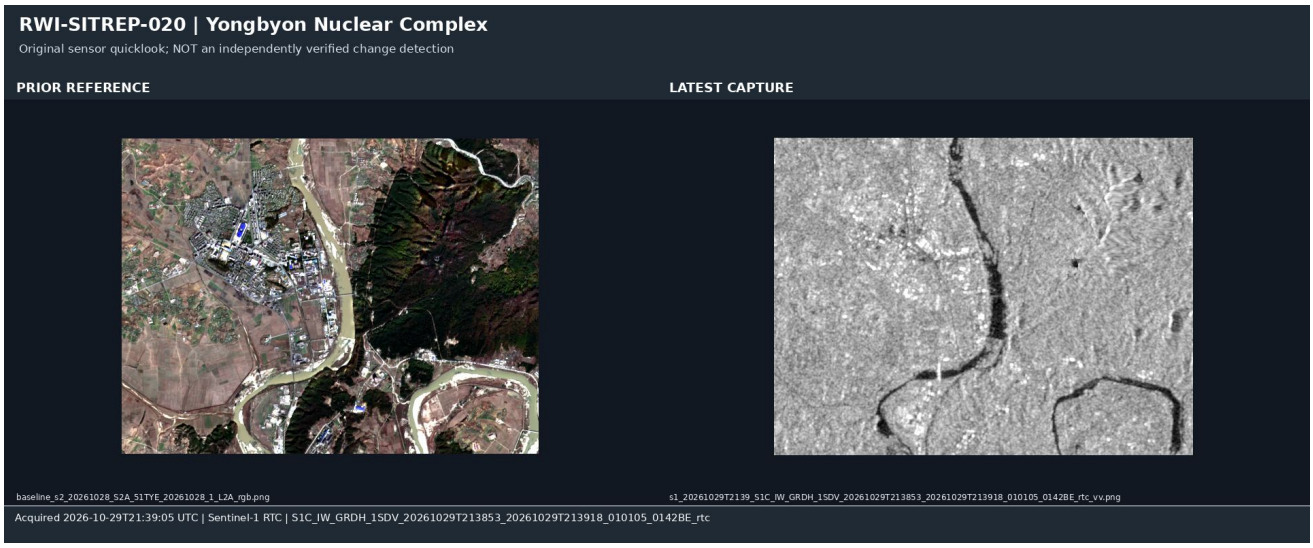
P014: Abqaiq oil processing — Source S2C_39RUJ_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



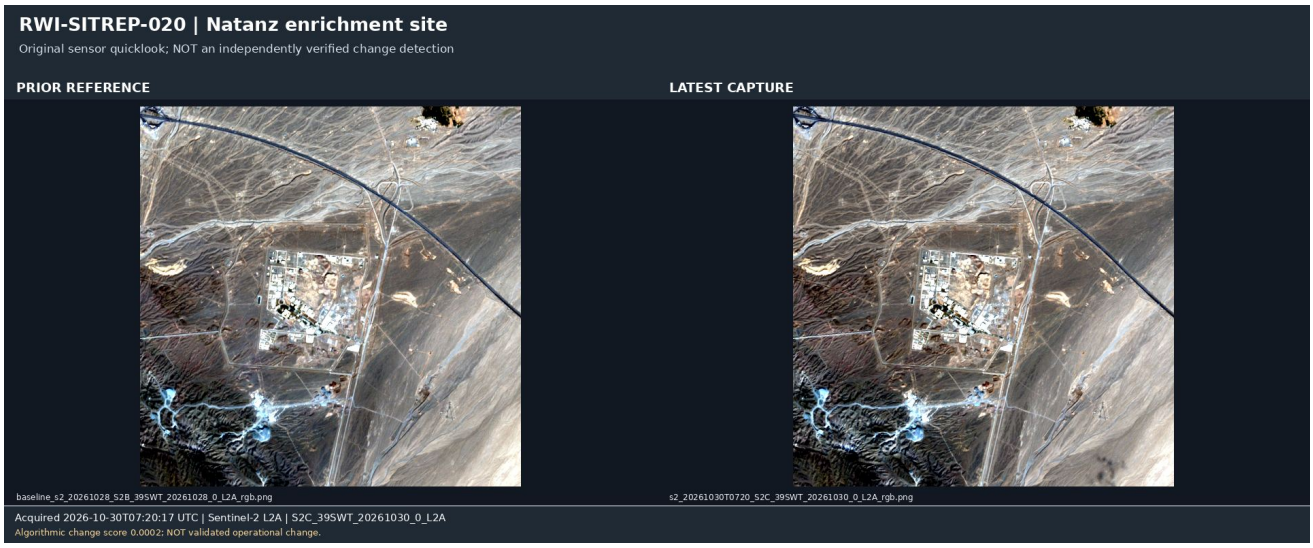
P015: Kharg Island oil terminal — Source S1C_IW_GRDH_1SDV_20261030T023803_20261030T023833_010108_0142D0_rtc; most recent available selected by quality. No visual event finding asserted.



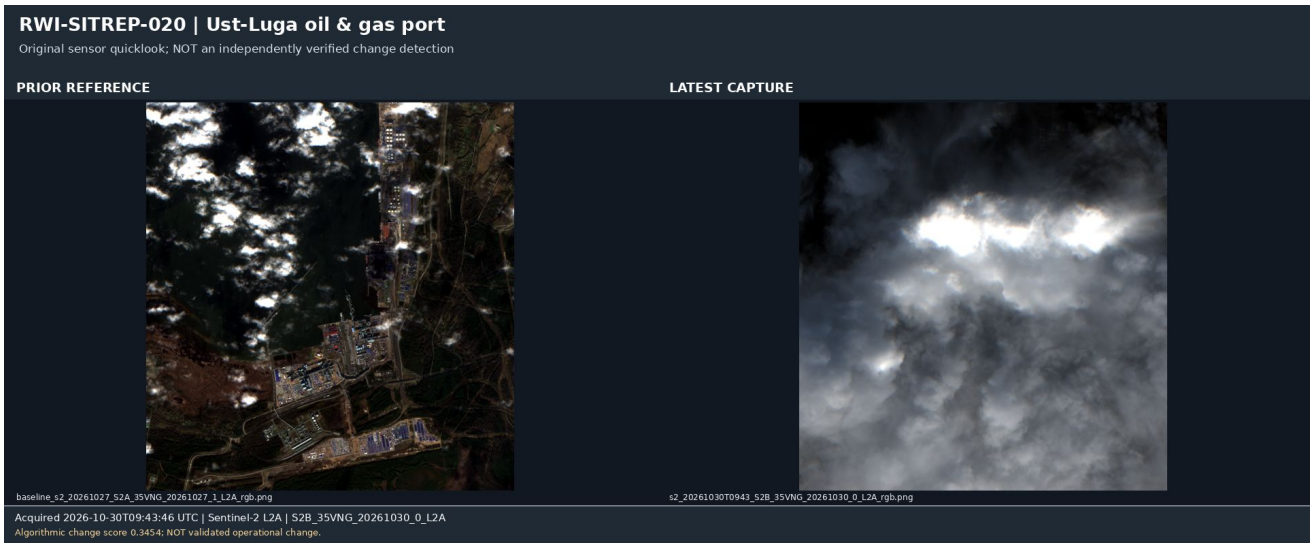
P016: Ras Laffan LNG — Source S2C_39RWJ_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



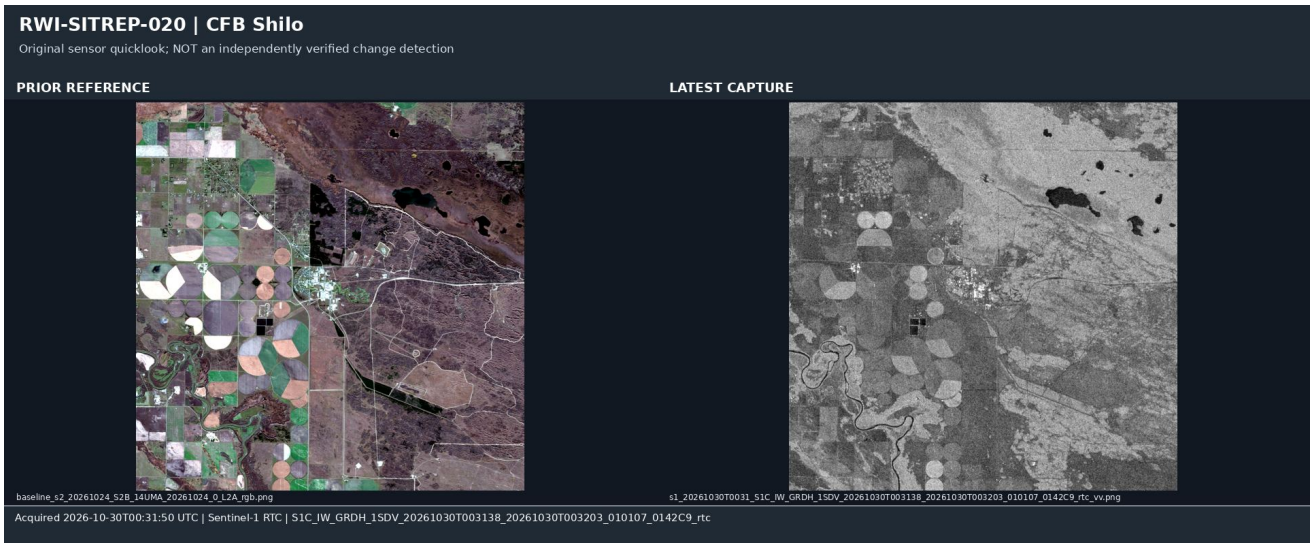
P017: Yongbyon Nuclear Complex — Source S1C_IW_GRDH_1SDV_20261029T213853_20261029T213918_010105_0142BE_rtc; most recent available selected by quality. No visual event finding asserted.



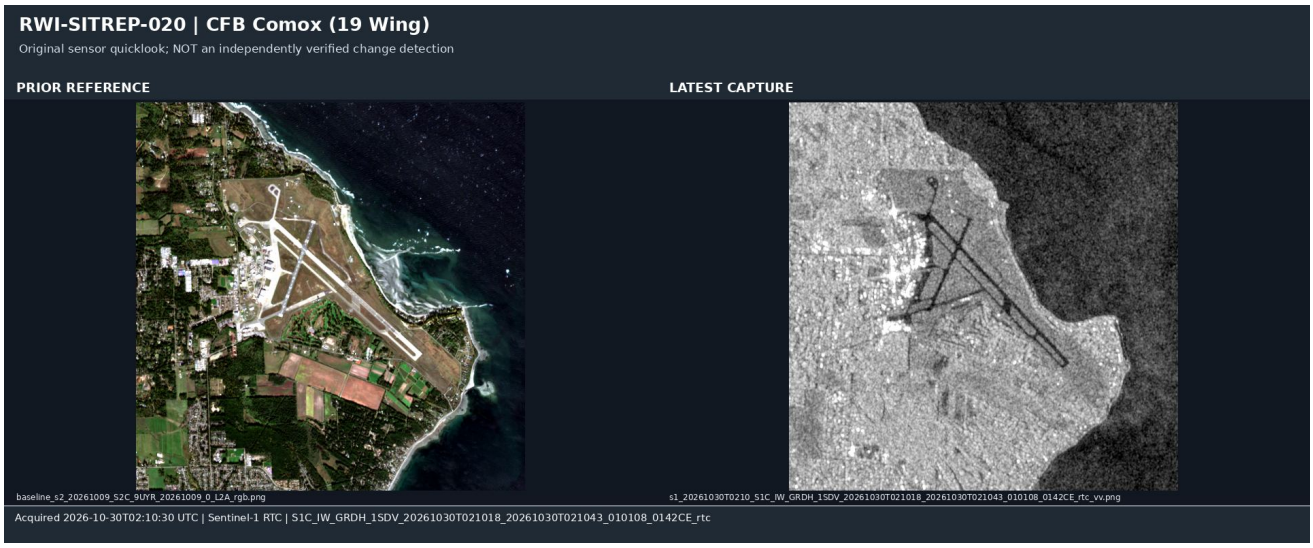
P018: Natanz enrichment site — Source S2C_39SWT_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



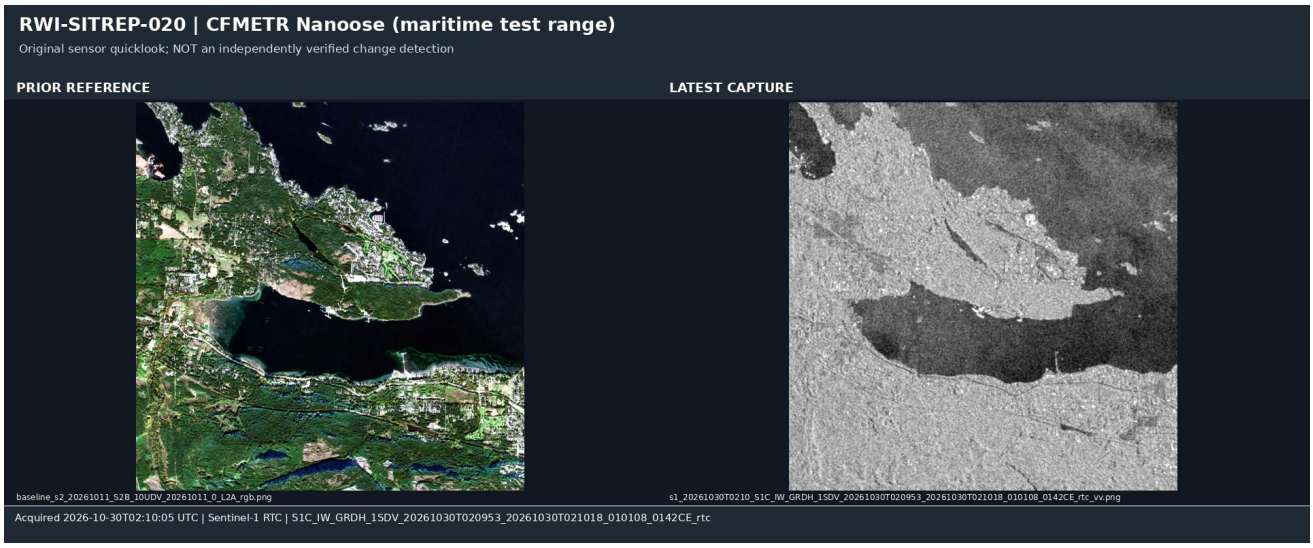
P019: Ust-Luga oil & gas port — Source S2B_35VNG_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



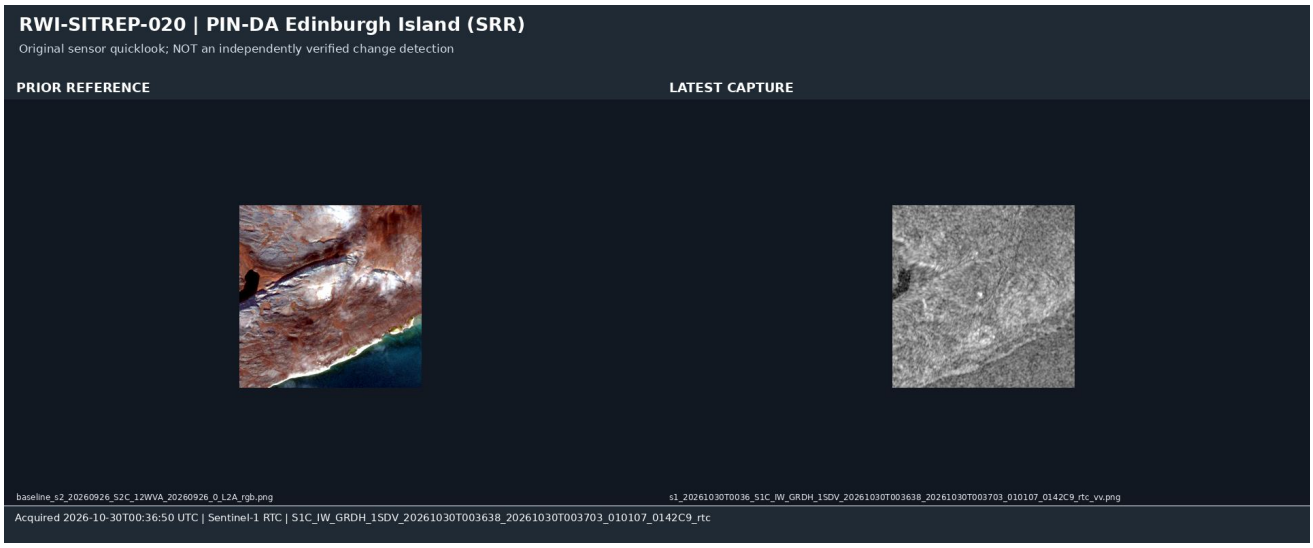
P020: CFB Shilo — Source S1C_IW_GRDH_1SDV_20261030T003138_20261030T003203_010107_0142C9_rtc; most recent available selected by quality. No visual event finding asserted.



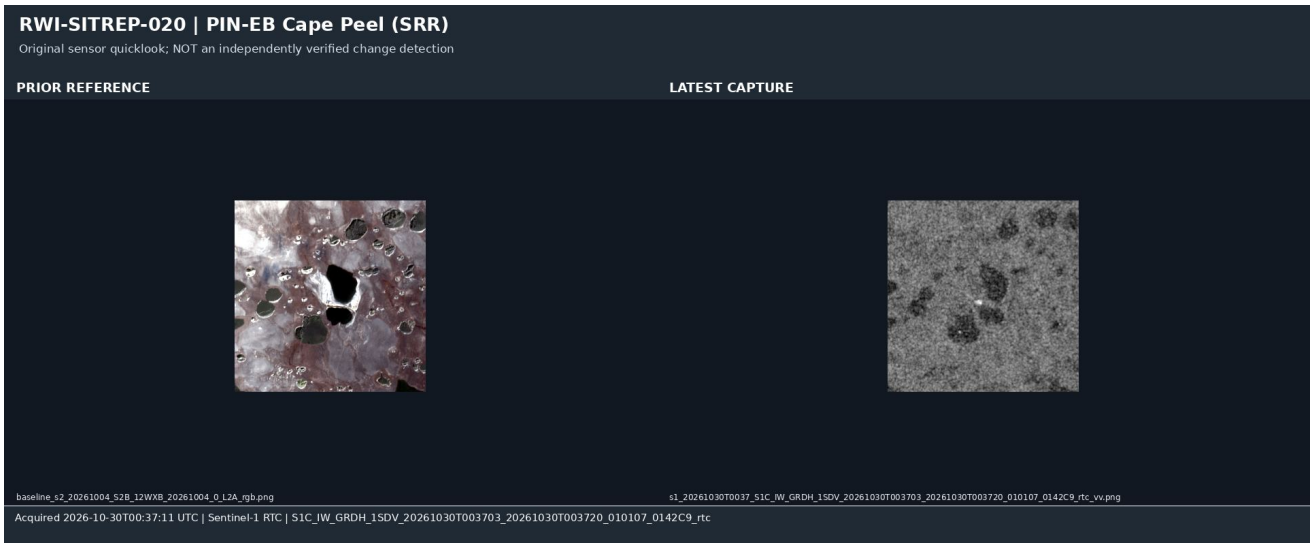
P021: CFB Comox (19 Wing) — Source S1C_IW_GRDH_1SDV_20261030T021018_20261030T021043_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



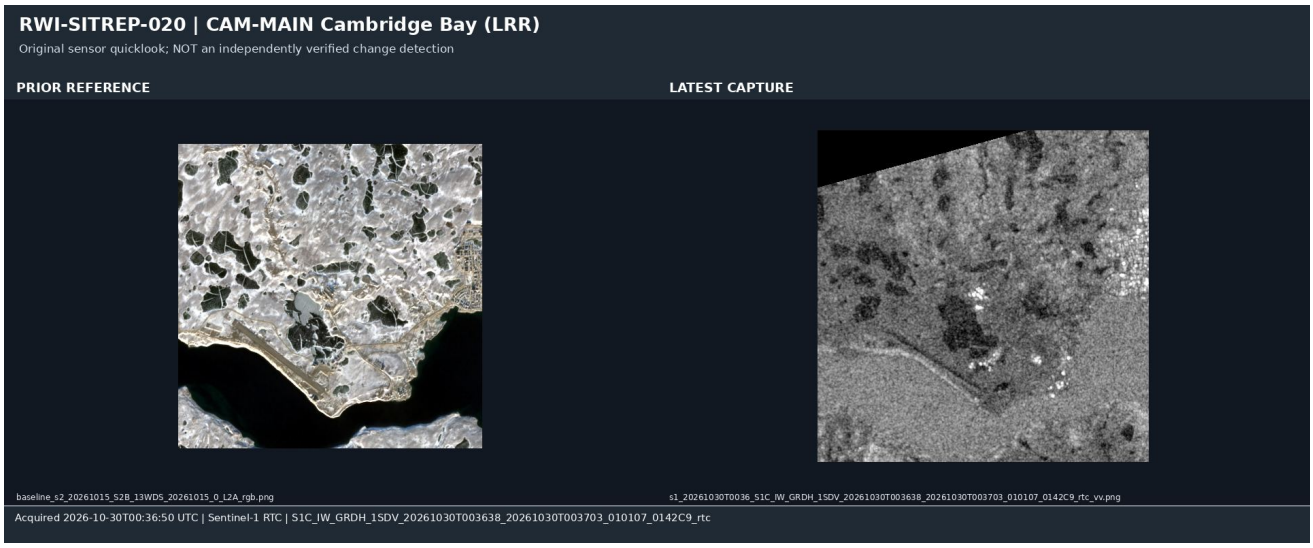
P022: CFMETR Nanoose (maritime test range) — Source S1C_IW_GRDH_1SDV_20261030T020953_20261030T021018_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



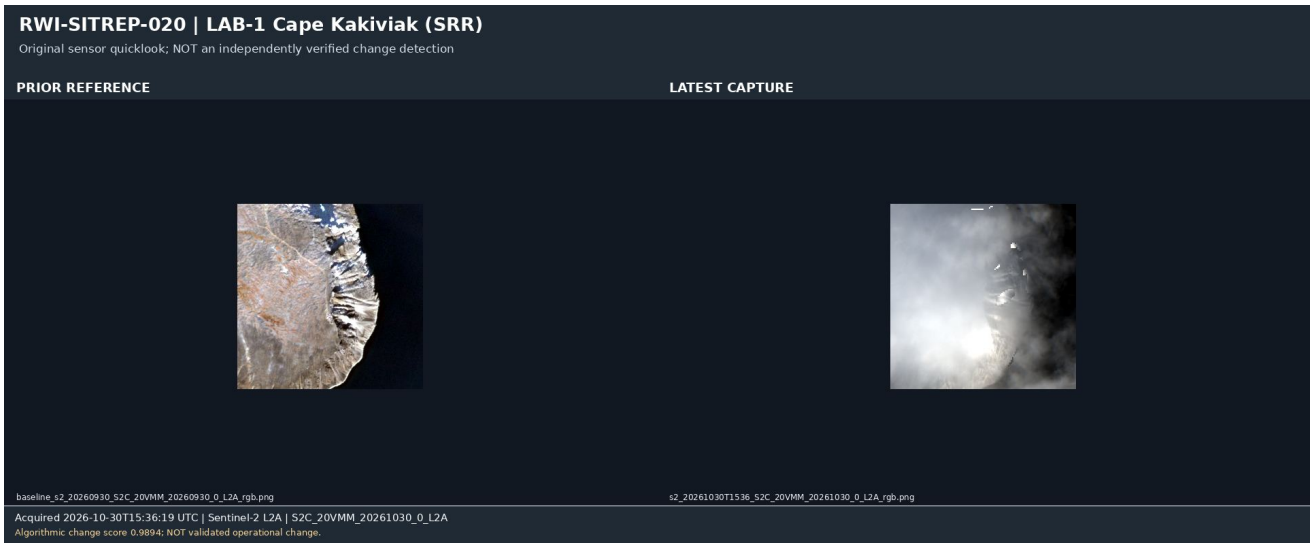
P023: PIN-DA Edinburgh Island (SRR) — Source S1C_IW_GRDH_1SDV_20261030T003638_20261030T003703_010107_0142C9_rtc; most recent available selected by quality. No visual event finding asserted.



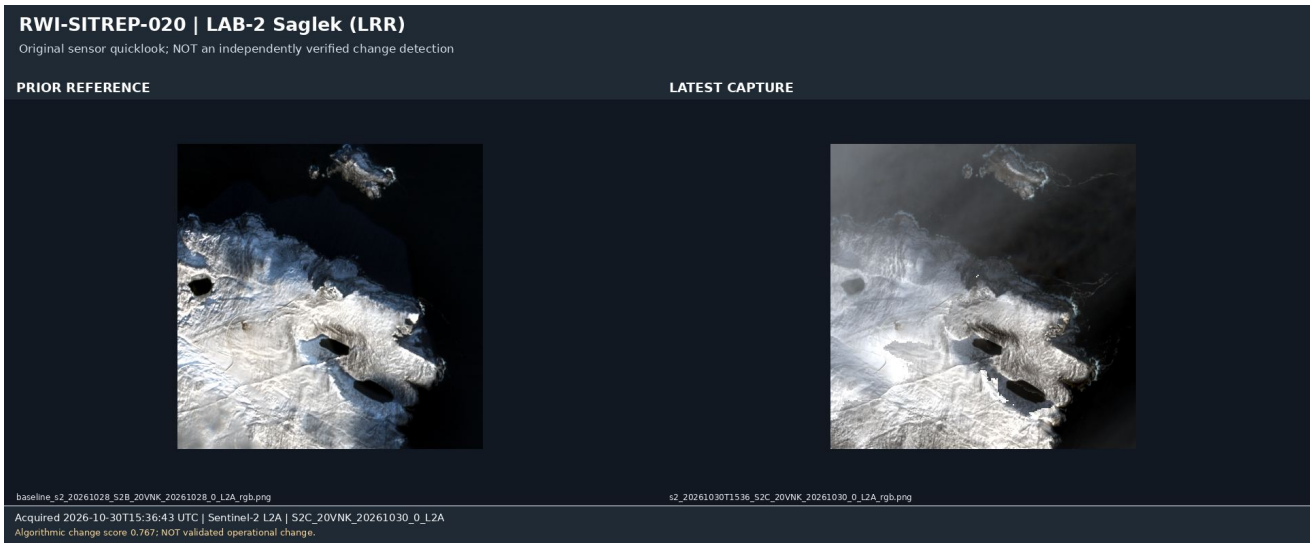
P024: PIN-EB Cape Peel (SRR) — Source S1C_IW_GRDH_1SDV_20261030T003703_20261030T003720_010107_0142C9_rtc; most recent available selected by quality. No visual event finding asserted.



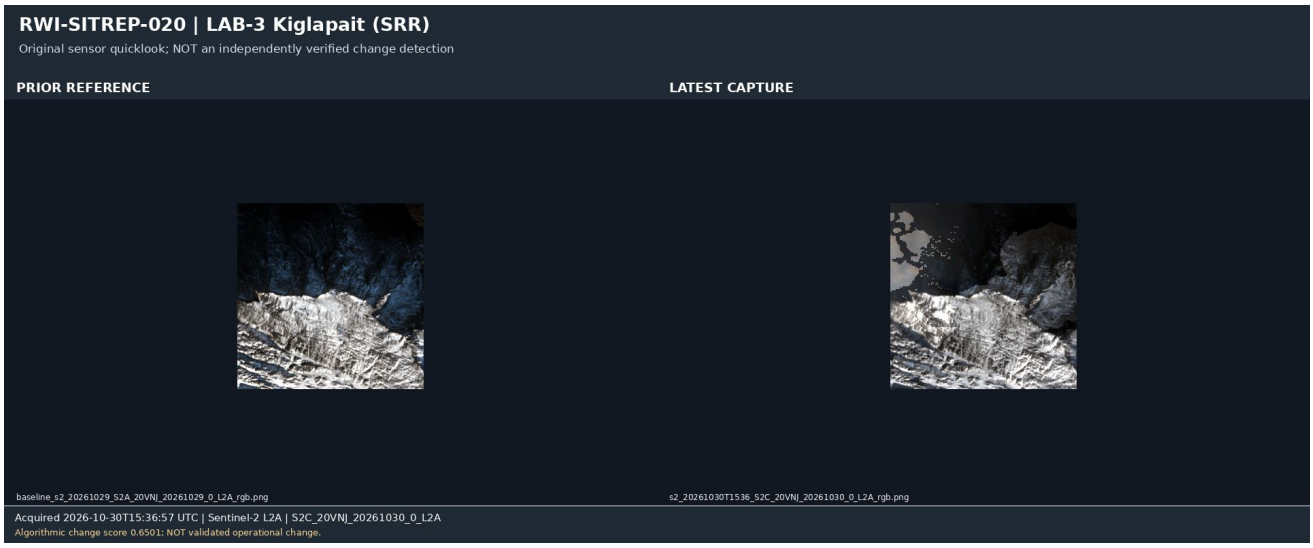
P025: CAM-MAIN Cambridge Bay (LRR) — Source S1C_IW_GRDH_1SDV_20261030T003638_20261030T003703_010107_0142C9_rtc; most recent available selected by quality. No visual event finding asserted.



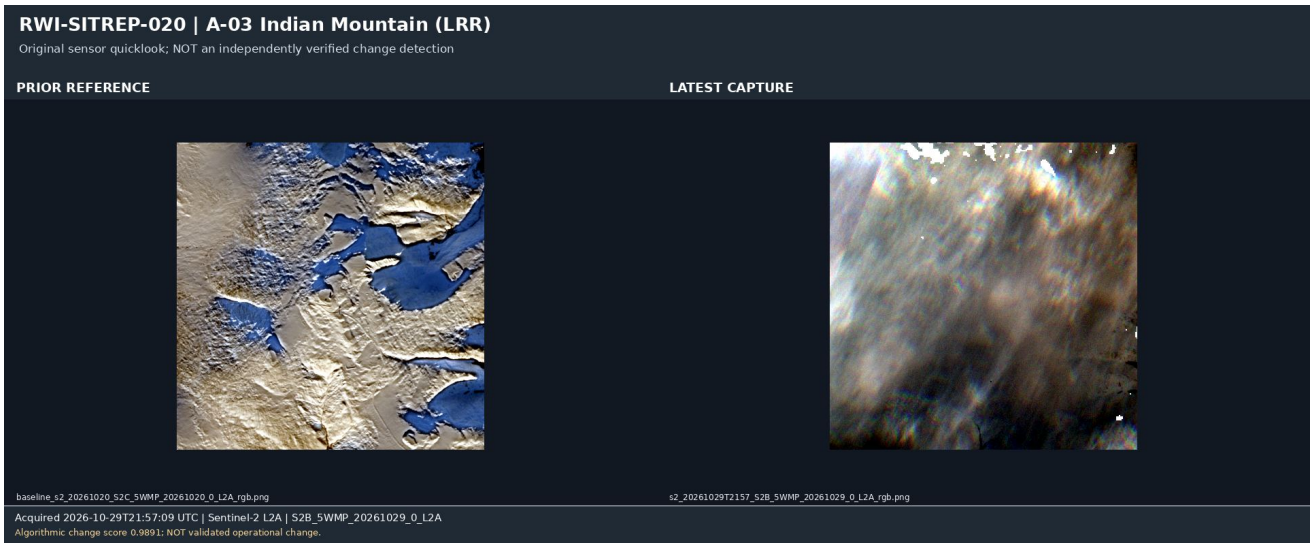
P026: LAB-1 Cape Kakiviak (SRR) — Source S2C_20VMM_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



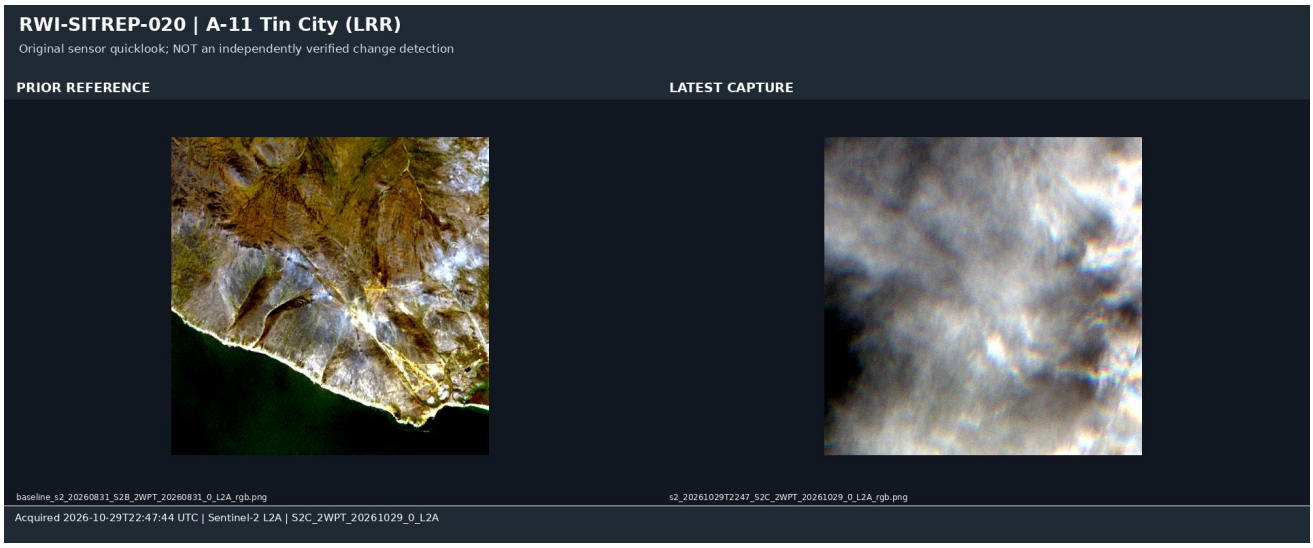
P027: LAB-2 Saglek (LRR) — Source S2C_20VNK_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



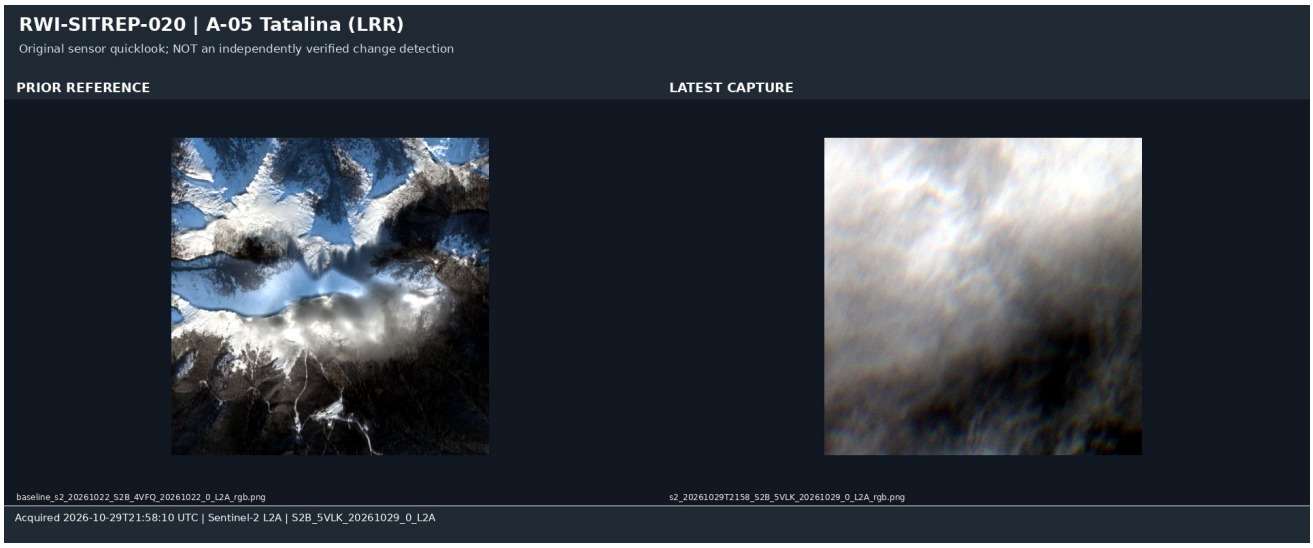
P028: LAB-3 Kiglapait (SRR) — Source S2C_20VNJ_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



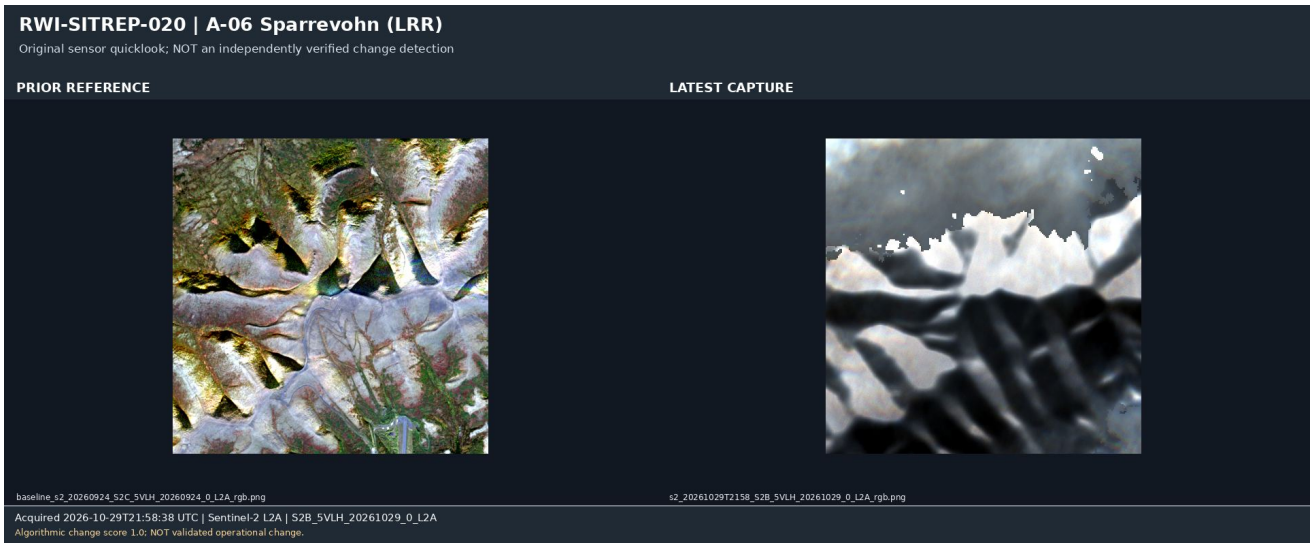
P029: A-03 Indian Mountain (LRR) — Source S2B_5WMP_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



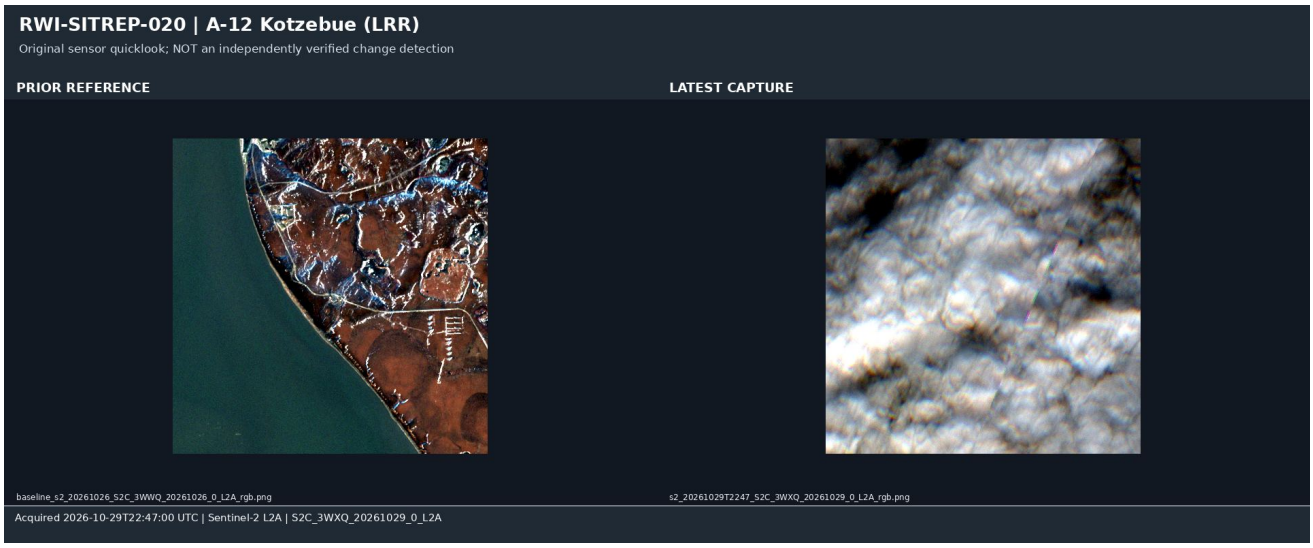
P030: A-11 Tin City (LRR) — Source S2C_2WPT_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



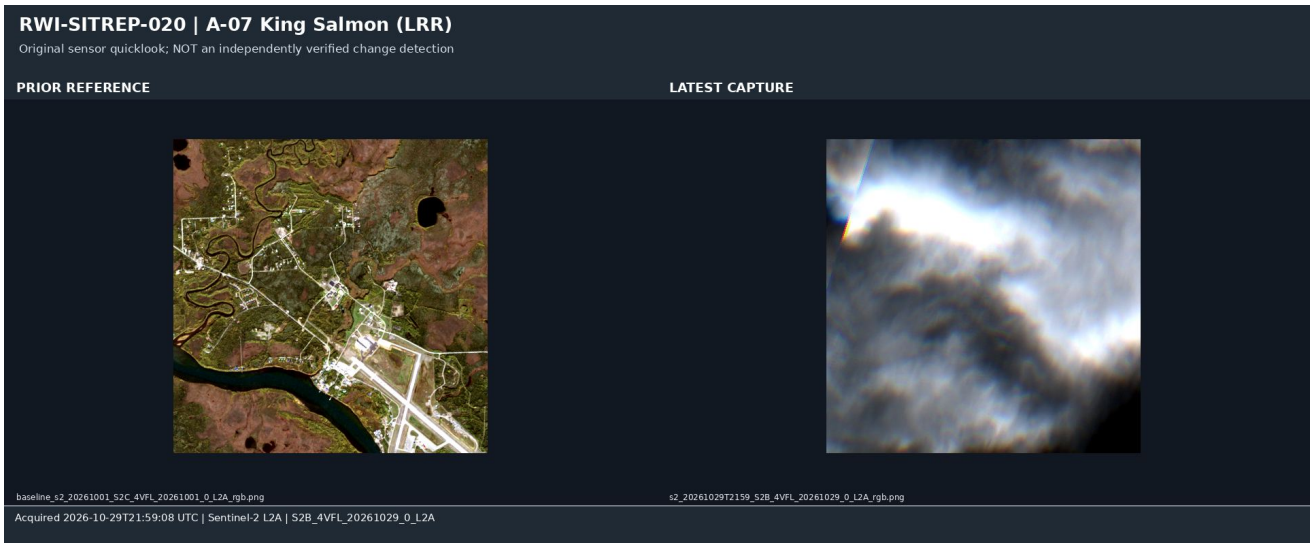
P031: A-05 Tatalina (LRR) — Source S2B_5VLK_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



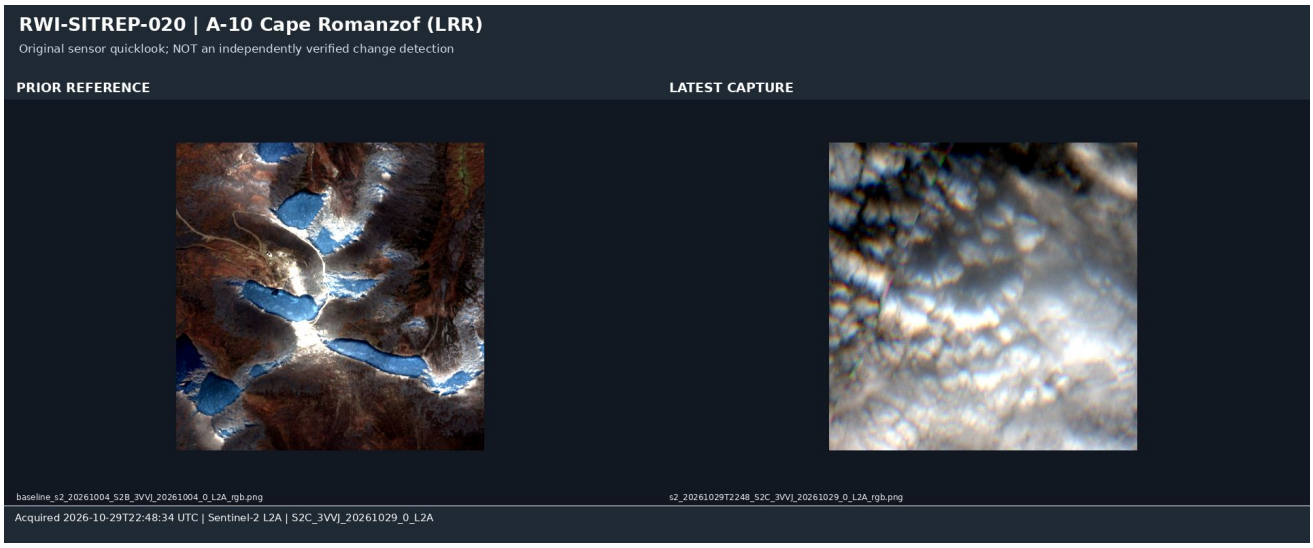
P032: A-06 Sparrevohn (LRR) — Source S2B_5VLH_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



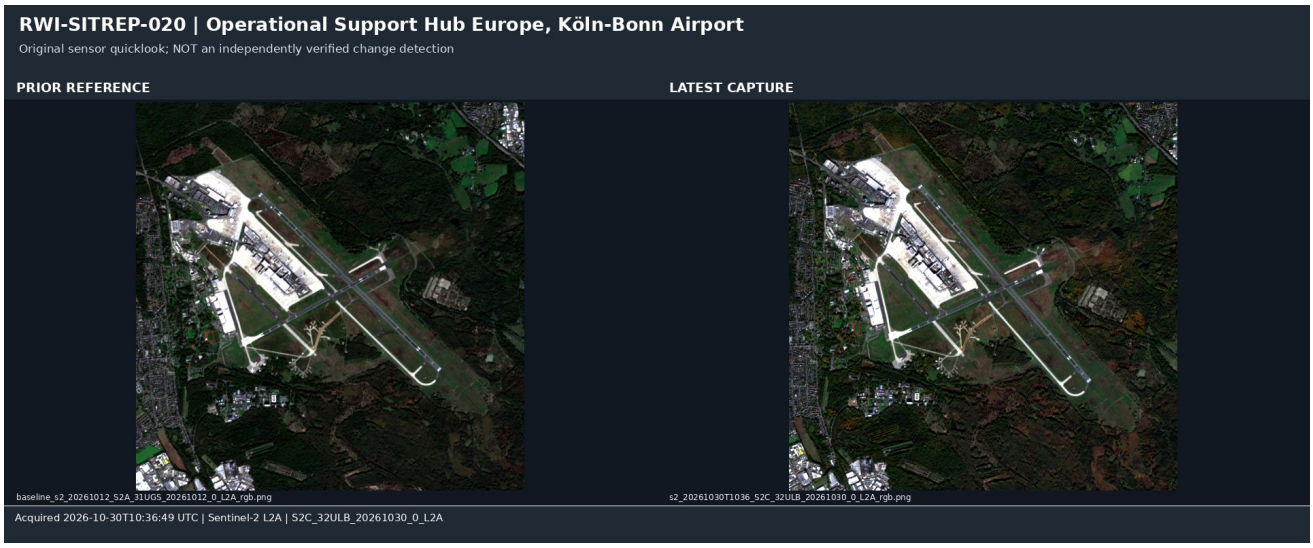
P033: A-12 Kotzebue (LRR) — Source S2C_3WXQ_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



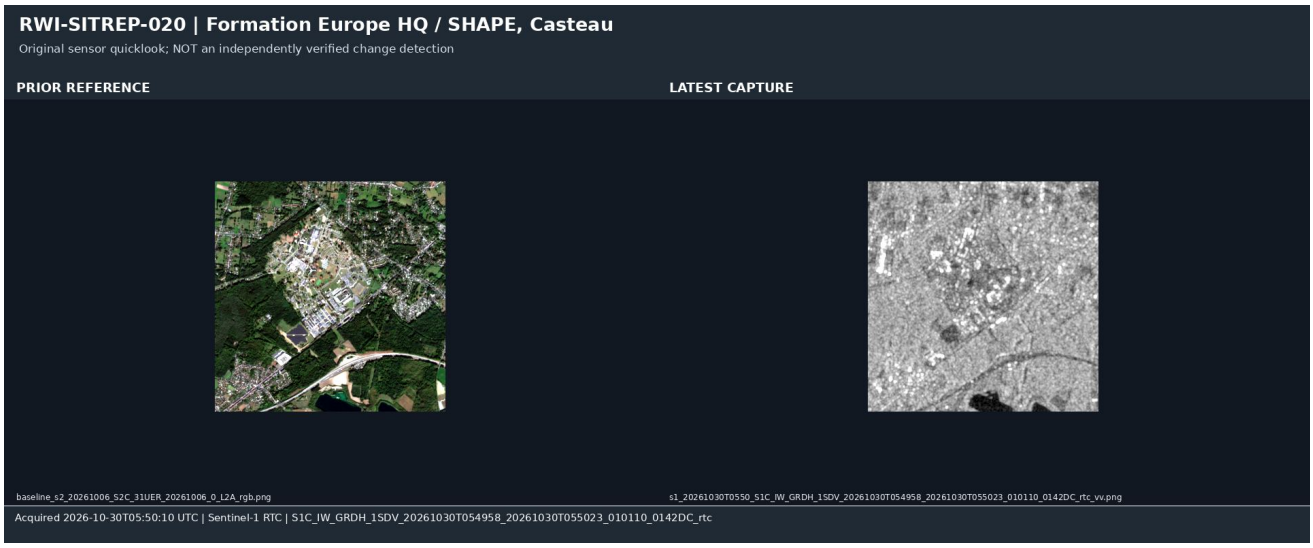
P034: A-07 King Salmon (LRR) — Source S2B_4VFL_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



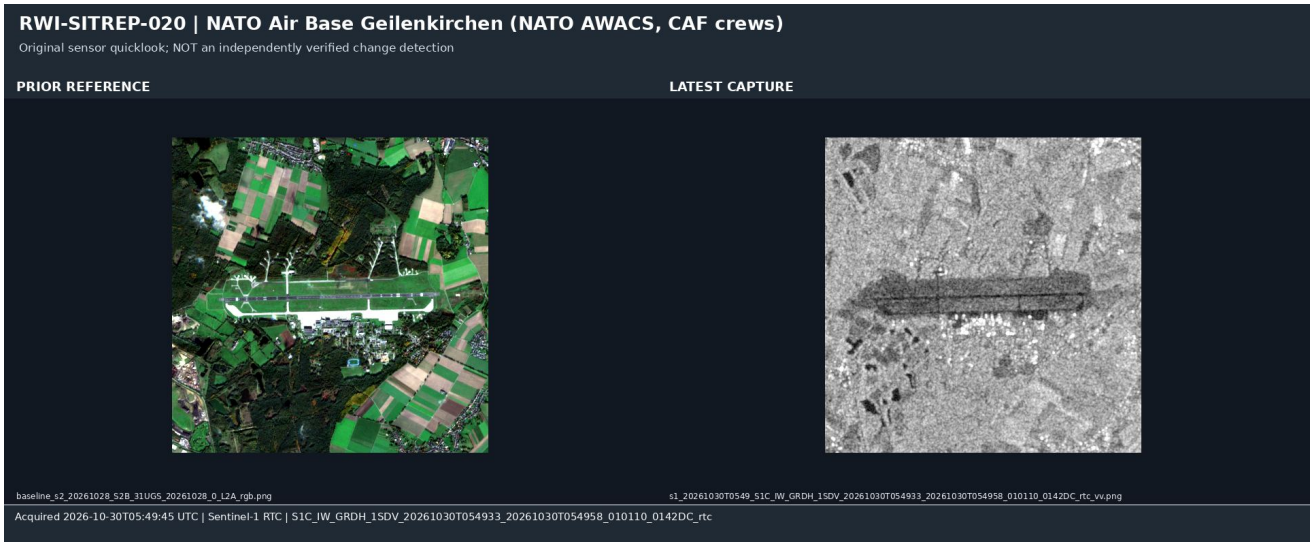
P035: A-10 Cape Romanzof (LRR) — Source S2C_3VVJ_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



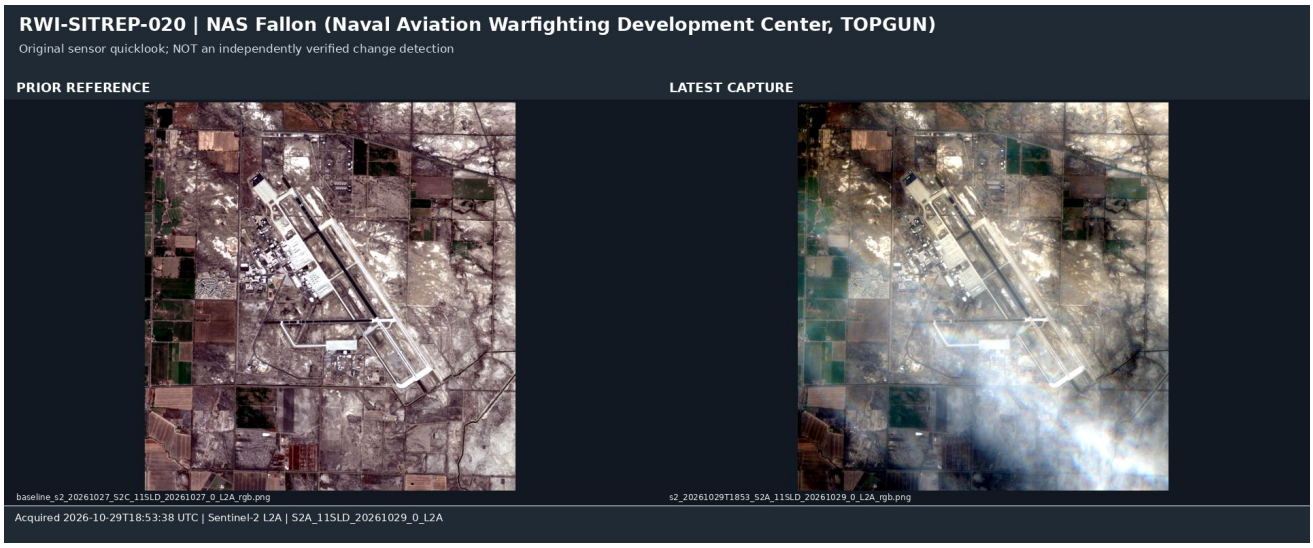
P036: Operational Support Hub Europe, Köln-Bonn Airport — Source S2C_32ULB_20261030_0_L2A; most recent available selected by quality. No visual event finding asserted.



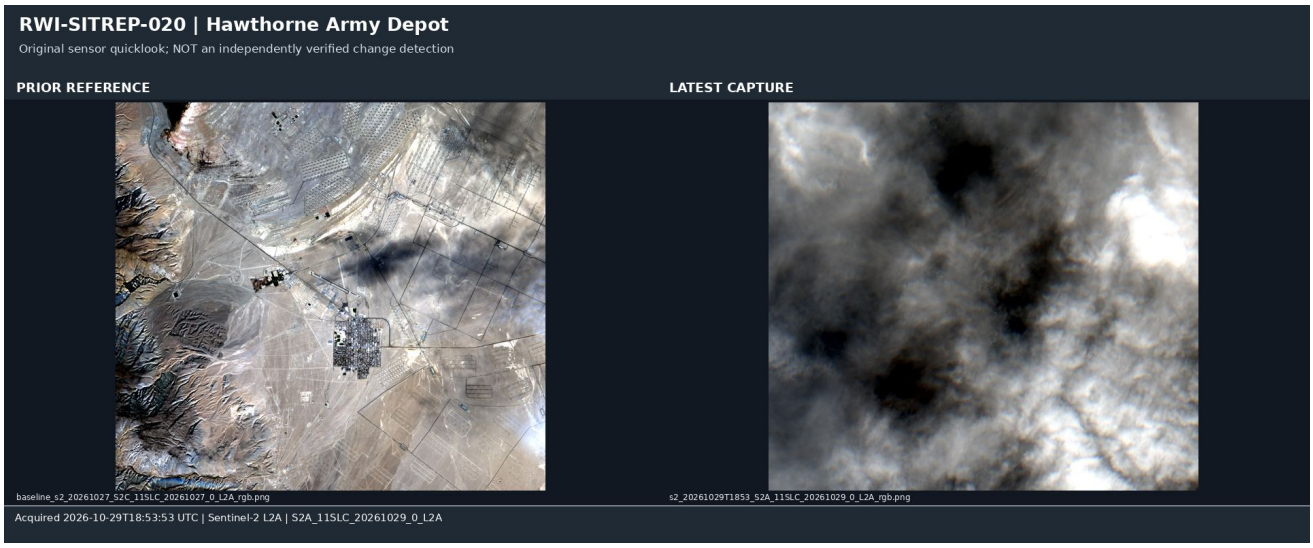
P037: Formation Europe HQ / SHAPE, Casteau — Source S1C_IW_GRDH_1SDV_20261030T054958_20261030T055023_010110_0142DC_rtc; most recent available selected by quality. No visual event finding asserted.



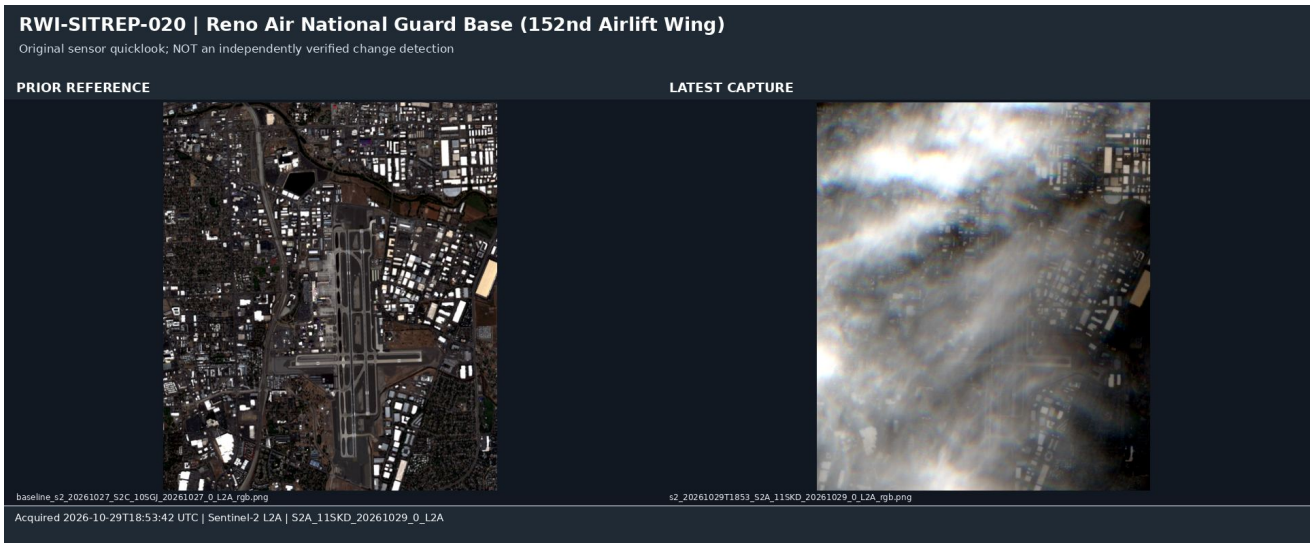
P038: NATO Air Base Geilenkirchen (NATO AWACS, CAF crews) — Source S1C_IW_GRDH_1SDV_20261030T054933_20261030T054958_010110_0142DC_rtc; most recent available selected by quality. No visual event finding asserted.



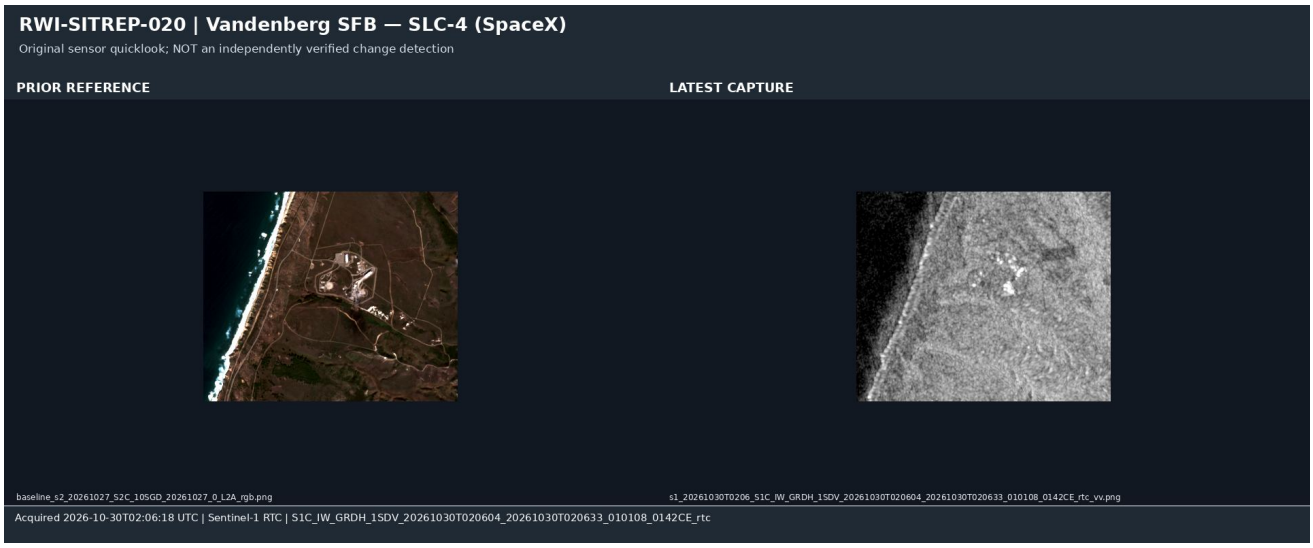
P039: NAS Fallon (Naval Aviation Warfighting Development Center, TOPGUN) — Source S2A_11SLD_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



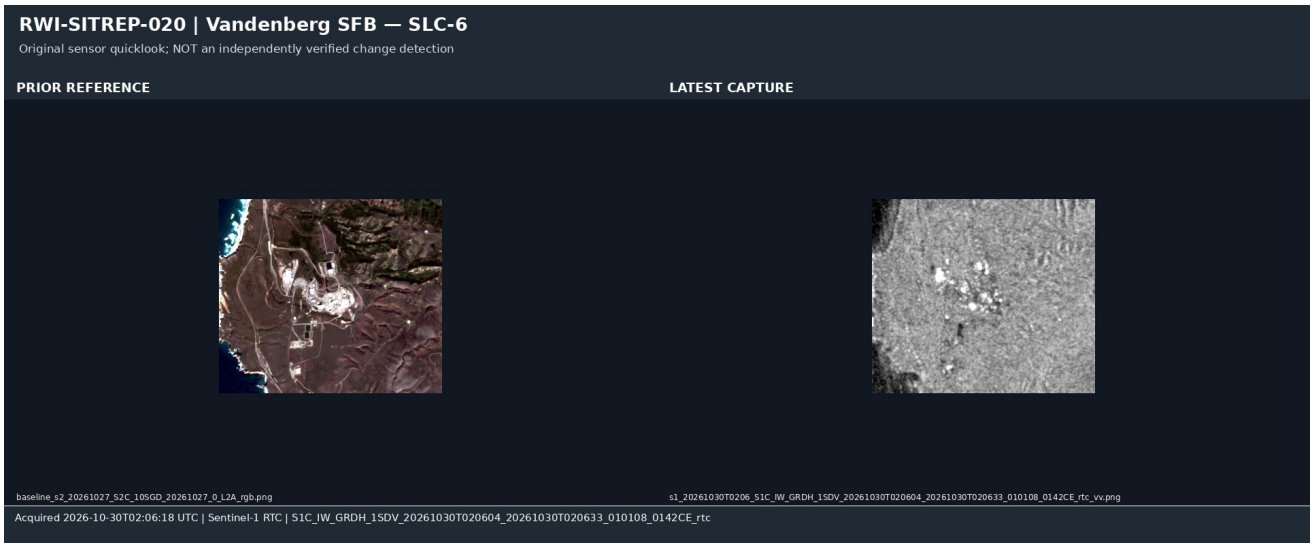
P040: Hawthorne Army Depot — Source S2A_11SLC_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



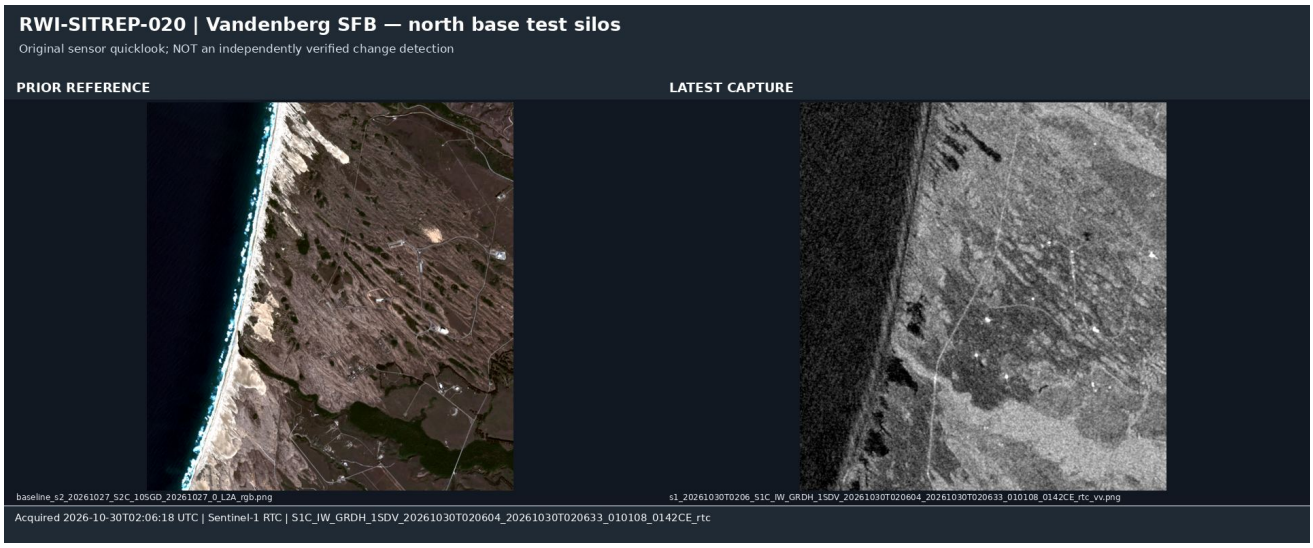
P041: Reno Air National Guard Base (152nd Airlift Wing) — Source S2A_11SKD_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



P042: Vandenberg SFB — SLC-4 (SpaceX) — Source S1C_IW_GRDH_1SDV_20261030T020604_20261030T020633_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



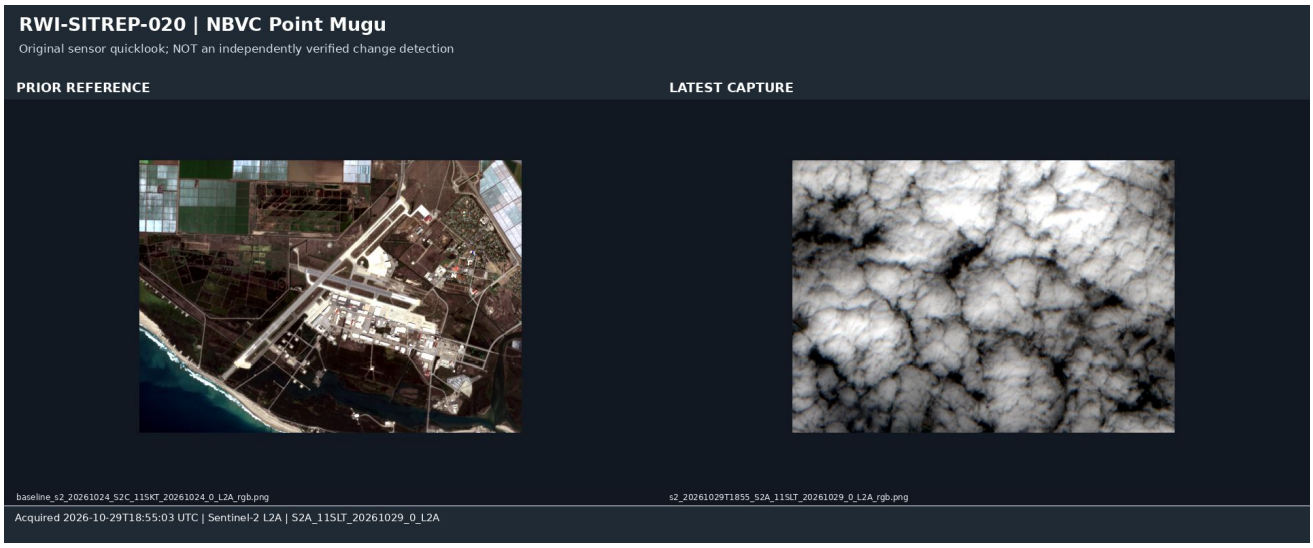
P043: Vandenberg SFB — SLC-6 — Source S1C_IW_GRDH_1SDV_20261030T020604_20261030T020633_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



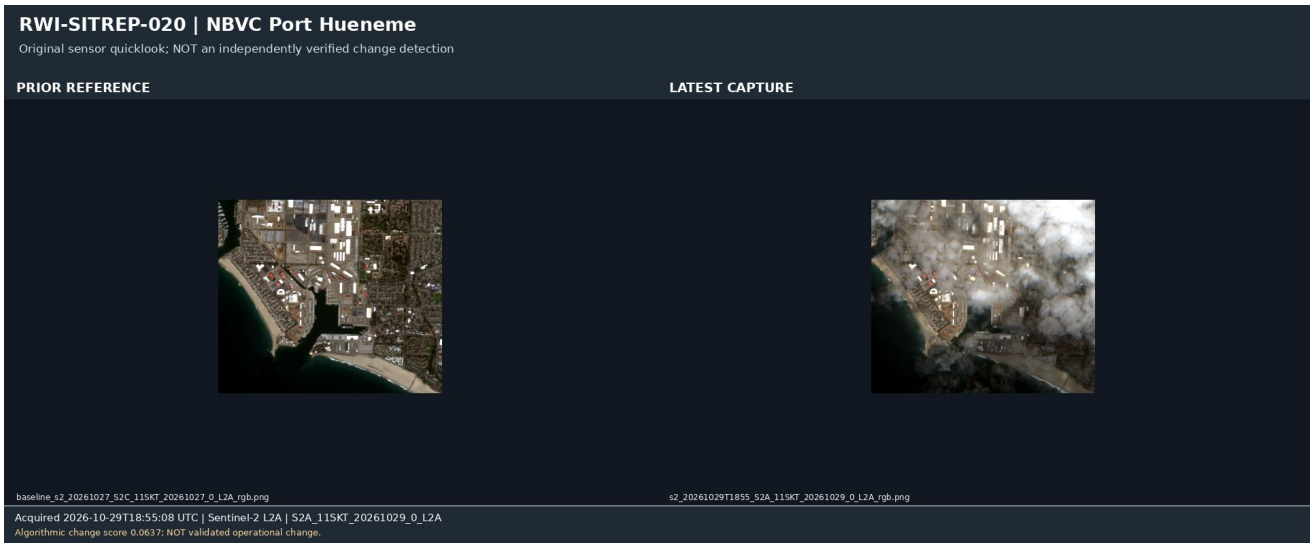
P044: Vandenberg SFB — north base test silos — Source S1C_IW_GRDH_1SDV_20261030T020604_20261030T020633_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



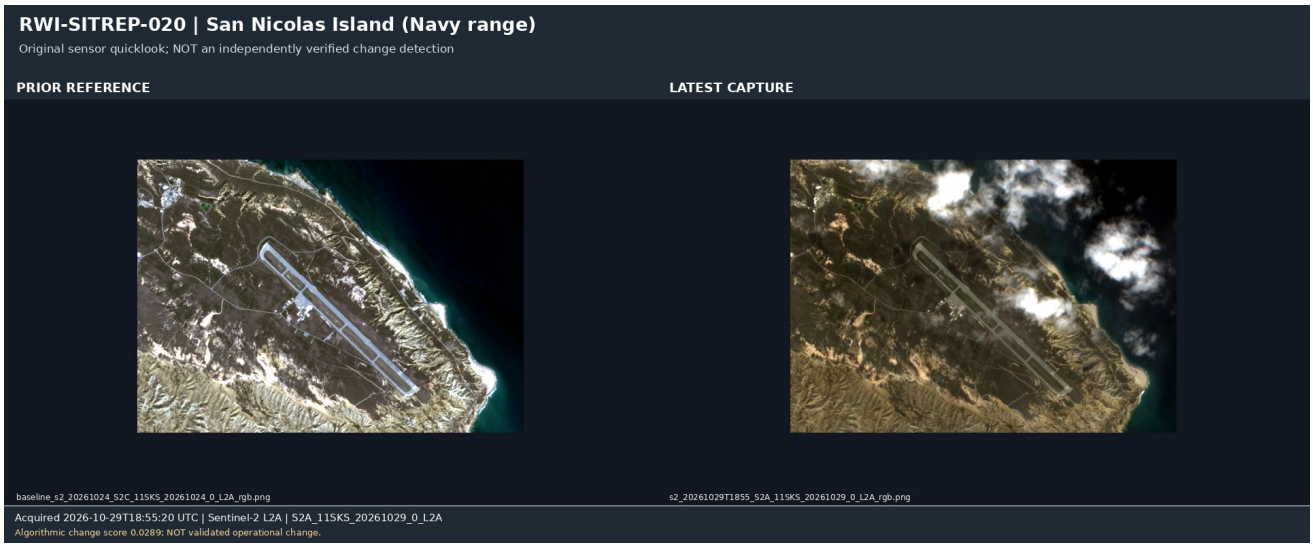
P045: Vandenberg SFB airfield — Source S1C_IW_GRDH_1SDV_20261030T020604_20261030T020633_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



P046: NBVC Point Mugu — Source S2A_11SLT_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



P047: NBVC Port Hueneme — Source S2A_11SKT_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



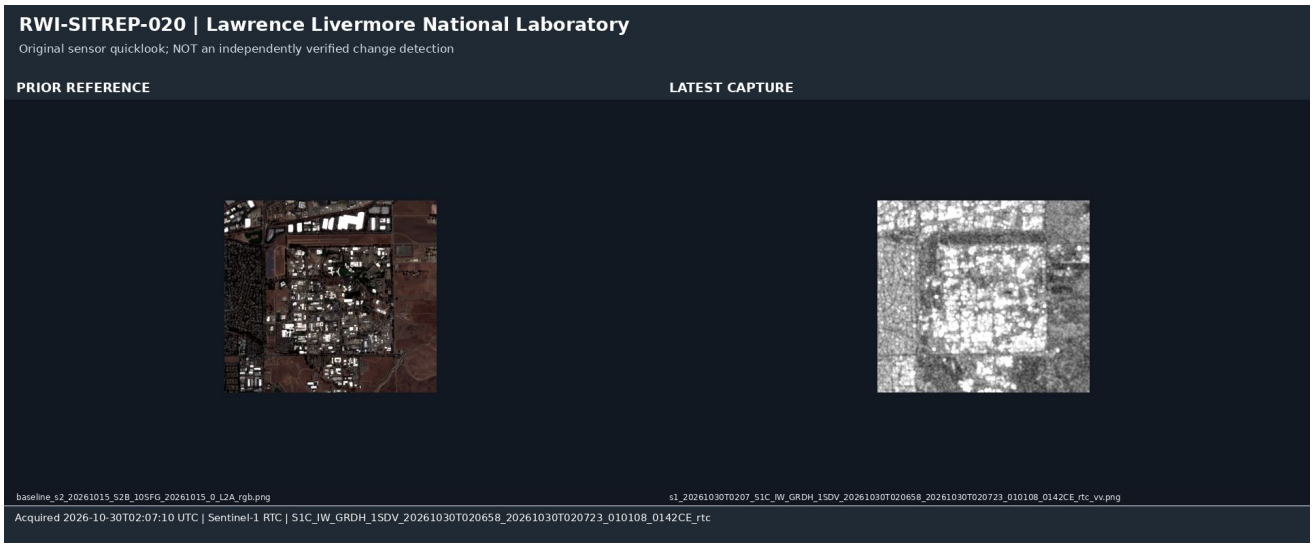
P048: San Nicolas Island (Navy range) — Source S2A_11SKS_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



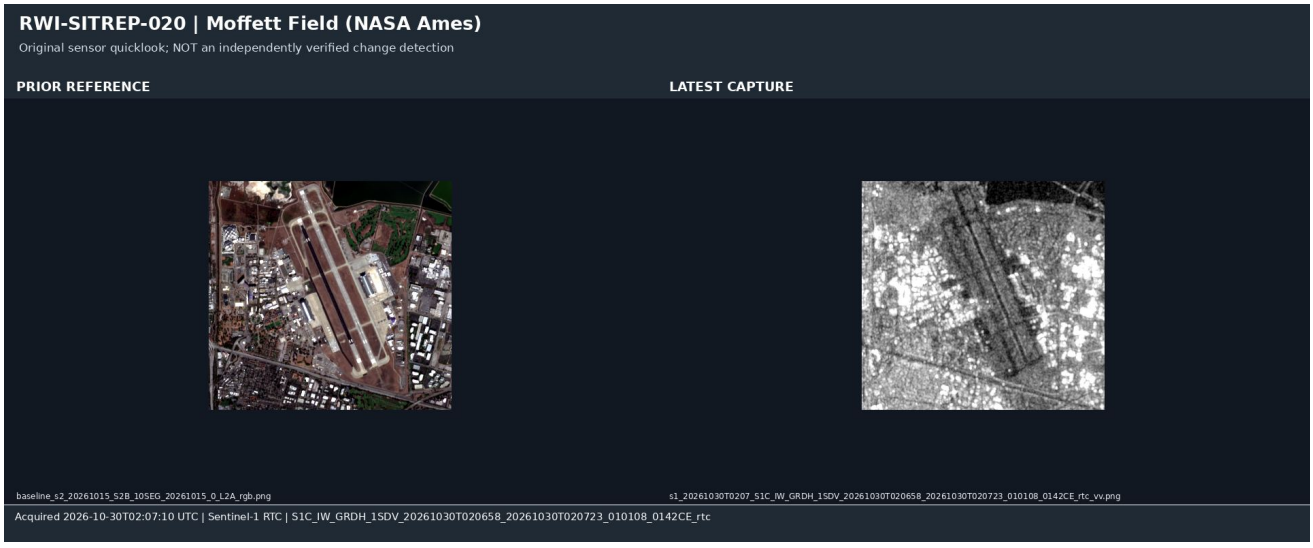
P049: Travis AFB — Source S1C_IW_GRDH_1SDV_20261030T020658_20261030T020723_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



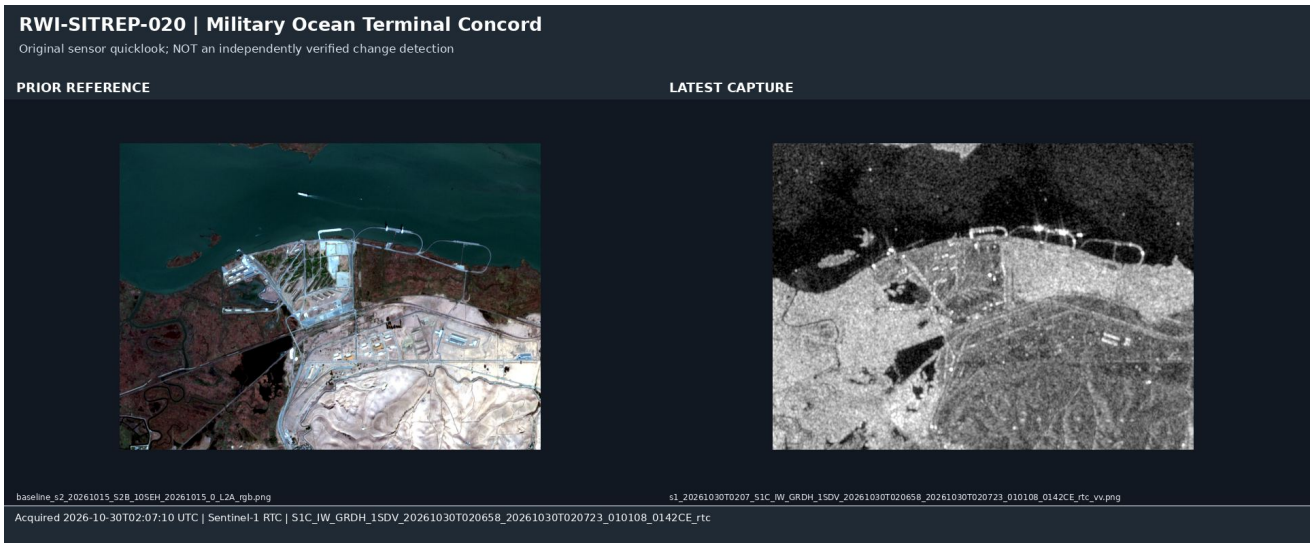
P050: Beale AFB — Source S1C_IW_GRDH_1SDV_20261030T020723_20261030T020748_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



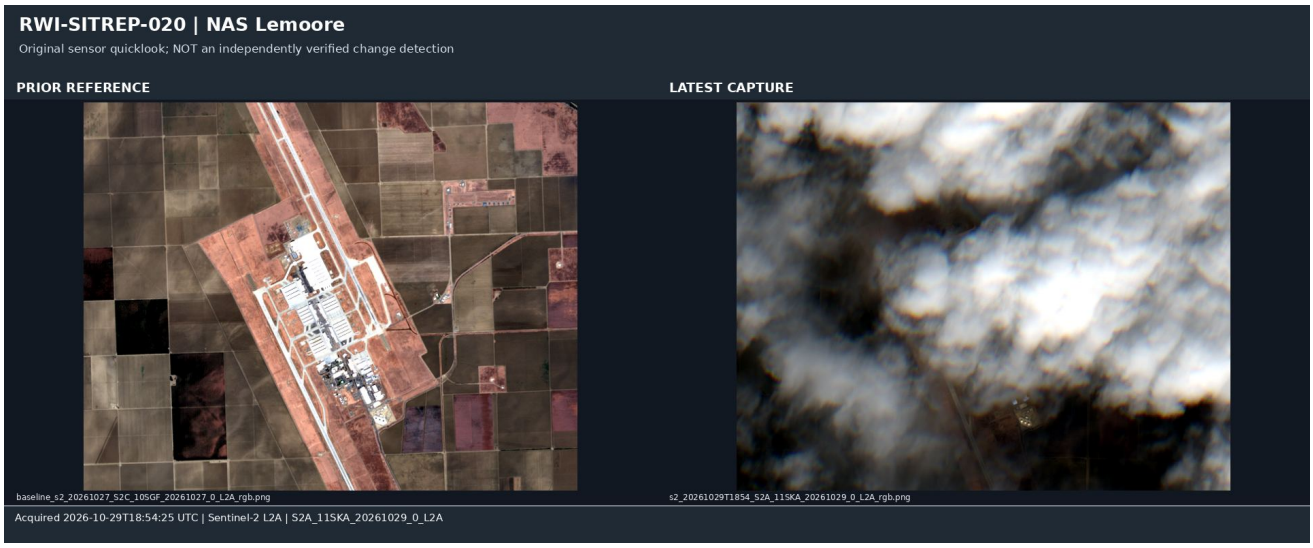
P051: Lawrence Livermore National Laboratory — Source S1C_IW_GRDH_1SDV_20261030T020658_20261030T020723_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



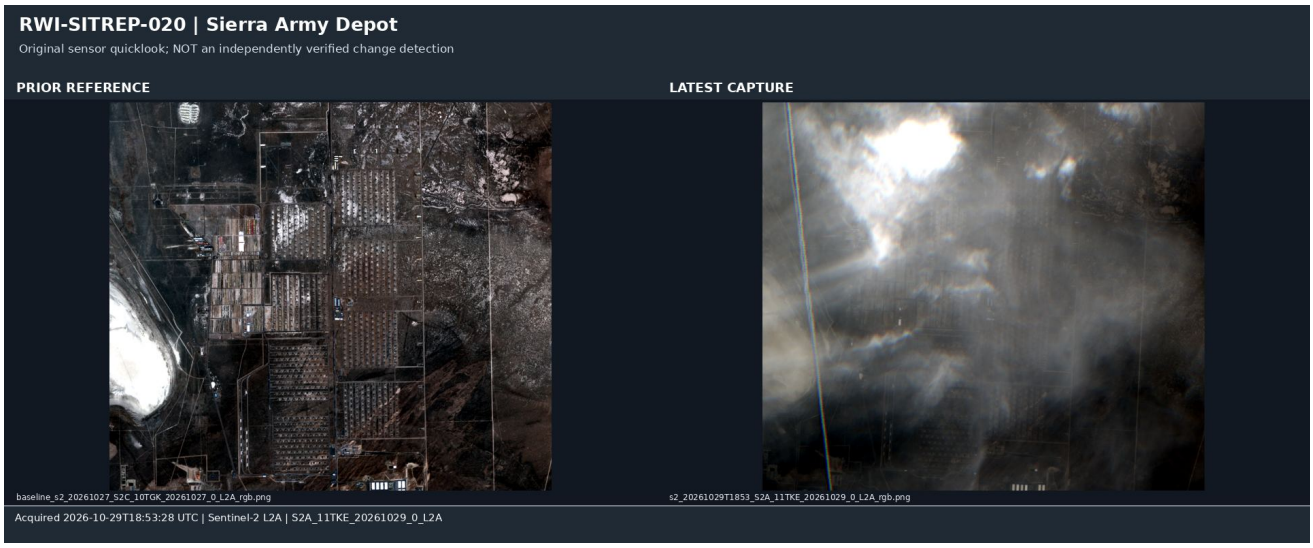
P052: Moffett Field (NASA Ames) — Source S1C_IW_GRDH_1SDV_20261030T020658_20261030T020723_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



P053: Military Ocean Terminal Concord — Source S1C_IW_GRDH_1SDV_20261030T020658_20261030T020723_010108_0142CE_rtc; most recent available selected by quality. No visual event finding asserted.



P054: NAS Lemoore — Source S2A_11SKA_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.



P055: Sierra Army Depot — Source S2A_11TKE_20261029_0_L2A; most recent available selected by quality. No visual event finding asserted.