RWI-ANALYSIS-001 — Heat at the Ruwais industrial complex (UAE) is routine gas flaring

Human analysis. Signed by Kevin Duska, Prime Rogue Inc. · 2026-11-05 05:20:24 UTC

Finding

The recurring VIIRS/MODIS heat that RWI SITREPs 027.1, 028.1 and 028.2 list at Ruwais (Abu Dhabi, about 24.13 N 52.70 E) is routine flaring from fixed stacks at the refinery and gas-processing complex. It is not a fire, an incident or strike damage. Status: **settled — routine industrial heat**. Heat at these points is no longer a lead; heat away from them, or far above their usual power, still is.

Basis

Kevin Duska reviewed the raw imagery and judged the heat a flaring pattern (4 Nov 2026). Checked against every clear Sentinel-2 pass (cloud under 10 %) from 3 Aug to 1 Nov 2026, 22 passes: the shortwave-infrared band (B12) shows hot pixels at the same fixed points on every pass. Eight points are hot on 17–22 of the 22 passes; three on all 22. The pixels reach about 1.5 in B12 reflectance units, above anything a sunlit surface reflects, which only an open flame produces. The positions do not move between passes, as fixed flare stacks do; a fire would appear once, grow or move.

Fixed flare points (WGS84; hot on ≥ 17 of 22 passes)

Latitude	Longitude	Passes hot (of 22)
24.1333 N	52.6959 E	22
24.1324 N	52.7028 E	22
24.1286 N	52.6994 E	22
24.1225 N	52.6968 E	20
24.1382 N	52.7005 E	19
24.1228 N	52.7517 E	19
24.1118 N	52.7208 E	18
24.1184 N	52.7225 E	17

Limits

Six spots were hot on only one or two passes: most are probably intermittent or emergency flares within the complex. Two weak ones near 24.13 N 52.74 E may be reflective roofs, and one at 24.092 N 52.630 E lies west of the main complex. Sentinel-2 sees the site about once every five days at about 07:13 UTC (11:13 GST); flaring changes between passes are not seen.

Use in the pipeline

Ruwais joins the routine-heat list with the fixed points above. Pipeline rule: a detection within about 500 m of a fixed point is routine; flag a new location, or radiative power well above the site's usual range, as a possible upset, emergency flaring or damage.



Plate 1 · Ruwais, Sentinel-2 SWIR, 1 Nov 2026 07:13 UTC (11:13 GST). Cyan circles: fixed stacks; yellow: intermittent.

Data: Copernicus Sentinel-2 L2A via Element 84 Earth Search (scenes listed in ruwais_points.json); NASA FIRMS. Integrity: SHA-256 of this PDF is recorded in RWI's provenance manifest and anchored in Bitcoin with OpenTimestamps (see the Proofs page).