RANGEFINDER — ALERT TRIAGE SYSTEM

Patrol Dispatch Order

Upper Xingu Basin — Mato Grosso, Brazil

ORDER NO.	ISSUED	ORIGIN STATION	TASKS
RF-20261125-0023	**2026-11-25 00:23 UTC**	**Peixoto de Azevedo**	**1**

394 satellite detections in the last 24 hours were resolved into **10 distinct clearing events** and ranked by actionability. The **1** task below is the only one that fits a working day, driven from Peixoto de Azevedo and back: **470 km, 8.1 h driving, 8.9 h including time on site, about 85 L of diesel.** 1 target cannot be reached by vehicle at all.

TASKED TARGETS — IN DRIVING ORDER

1. Unclassified tenure (priority #1) · 78% forest baseline

LOW · ACTIONABILITY 36.0/100

DECIMAL	DMS	ROAD DISTANCE / TRANSIT
`-11.73626, -54.53415`	`11° 44' 10.5" S 54° 32' 02.9" W`	`235 km · 4.3 h`

— 103 detections spanning 8.4 km, 1282 MW total radiative power.
— 22% of this cell was already cleared between 2021 and 2024 — the forest figure below is corrected for that.
— 78% tree cover at baseline — this was closed forest, so the burn is consistent with clearing rather than pasture management.
— No mapped protected-area designation; verify tenure before action.
— Ageing detection — treat as evidence collection, not interdiction.
— 0.8 km off the nearest mapped track — plan for a foot approach.
— 75% of detections were at night — legitimate burning is largely a daytime activity.
— 235 km by road from the ranger post (1.4× the straight-line distance); est. 4.3 h one way, about 85 L of diesel round trip.

[ ] Reached [ ] Activity confirmed [ ] Equipment seized [ ] Report filed

Ref C11.74S54.53W

CONSIDERED BUT NOT TASKED

— Priority #3 at -12.1673, -53.4352 (Parque Indígena do Xingu) — no vehicle route exists; requires air or river access.
— Priority #2 at -11.2805, -54.0242 — ranked for patrol but does not fit within the driving day; carry forward.
— Priority #4 at -10.7751, -54.0103 — ranked for patrol but does not fit within the driving day; carry forward.
— Priority #5 at -11.2221, -53.9979 — ranked for patrol but does not fit within the driving day; carry forward.

Planning assumptions: 9 h driving day, 0.75 h on site per target, 18 L/100 km on unsealed road. Travel times are estimated from road class and do not account for river crossings, seasonal closures or tracks absent from OpenStreetMap.

Generated by Rangefinder from cached open data · NASA FIRMS (VIIRS NOAA-20, C2 NRT) (NASA open data — free and unrestricted use) · OpenStreetMap via Overpass API (ODbL 1.0) · ESA WorldCover 10m v200 (2021) (CC BY 4.0) · Copernicus Sentinel-2 L2A via Microsoft Planetary Computer (Copernicus open licence)

Decision-support only. Satellite thermal detections indicate active burning, not proof of illegality; tenure and permit status must be verified before enforcement action. Distances are routed over the OpenStreetMap road network; forest baseline is ESA WorldCover 2021.