

WORLDNERVE

Portfolio Ground Movement Screening

A decision-ready prospect sample for insurers, commercial property teams, asset owners, and risk engineers.

REAL HOUSTON MEASUREMENTS

30 public reference locations | 165 observation dates | January 2020 to July 2025

THE DECISION

Which locations deserve immediate review, focused follow-up, monitoring, or routine treatment?

This sample shows the client-facing output: a ranked action list, map, measurement history, confidence statement, and clear next step.

Prospect sample

Real satellite measurements. Public reference locations. No private client or policyholder data.

Portfolio decision summary

The screen converts a large location schedule into a short, defensible action list. The sample schedule is intentionally stratified across measured signal classes so every client outcome is visible; its category mix is not a prevalence estimate for Houston.

6 IMMEDIATE REVIEW	6 FOCUSED REVIEW	6 MONITOR	12 ROUTINE	100% MEASUREMENT COVERAGE
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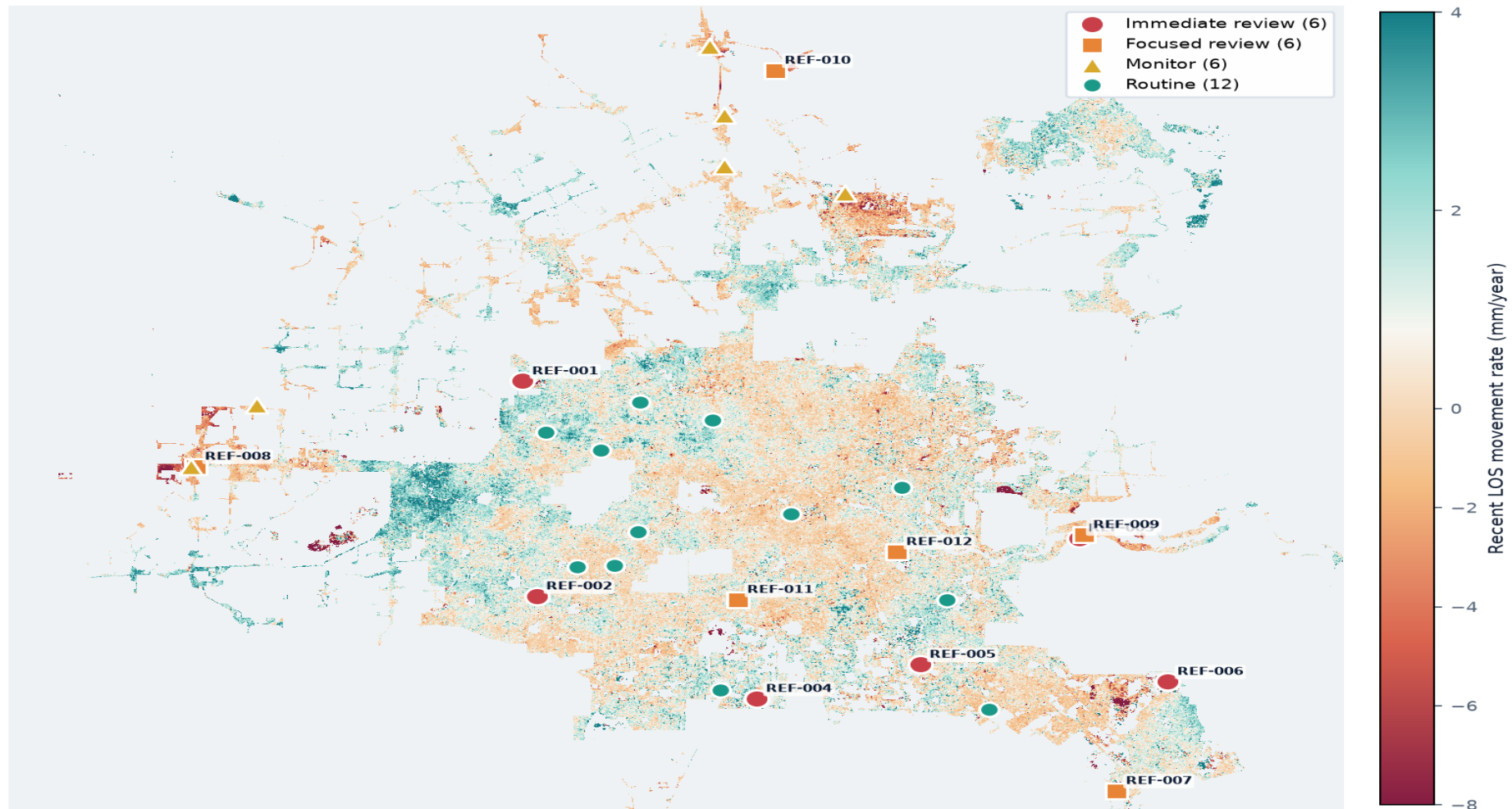
Recommended action	What the screen found	Why it matters
Refer first	REF-001 leads the schedule at -19.7 mm/year LOS.	Moves the strongest evidence to the front of underwriting, inspection, engineering, or asset-management review.
Review in context	Focused-review locations show persistent negative movement that is lower than the immediate-review band but still material for triage.	Supports consistent referral decisions without treating every measured change as a structural problem.
Monitor efficiently	Watch locations remain visible with a repeatable baseline and dated history.	Creates an auditable monitoring queue and avoids unnecessary site visits.

Commercial value

WorldNerve makes satellite ground-movement evidence usable inside existing decisions: portfolio triage, acquisition review, risk-engineering referrals, underwriting files, claims chronology, and infrastructure inspection planning.

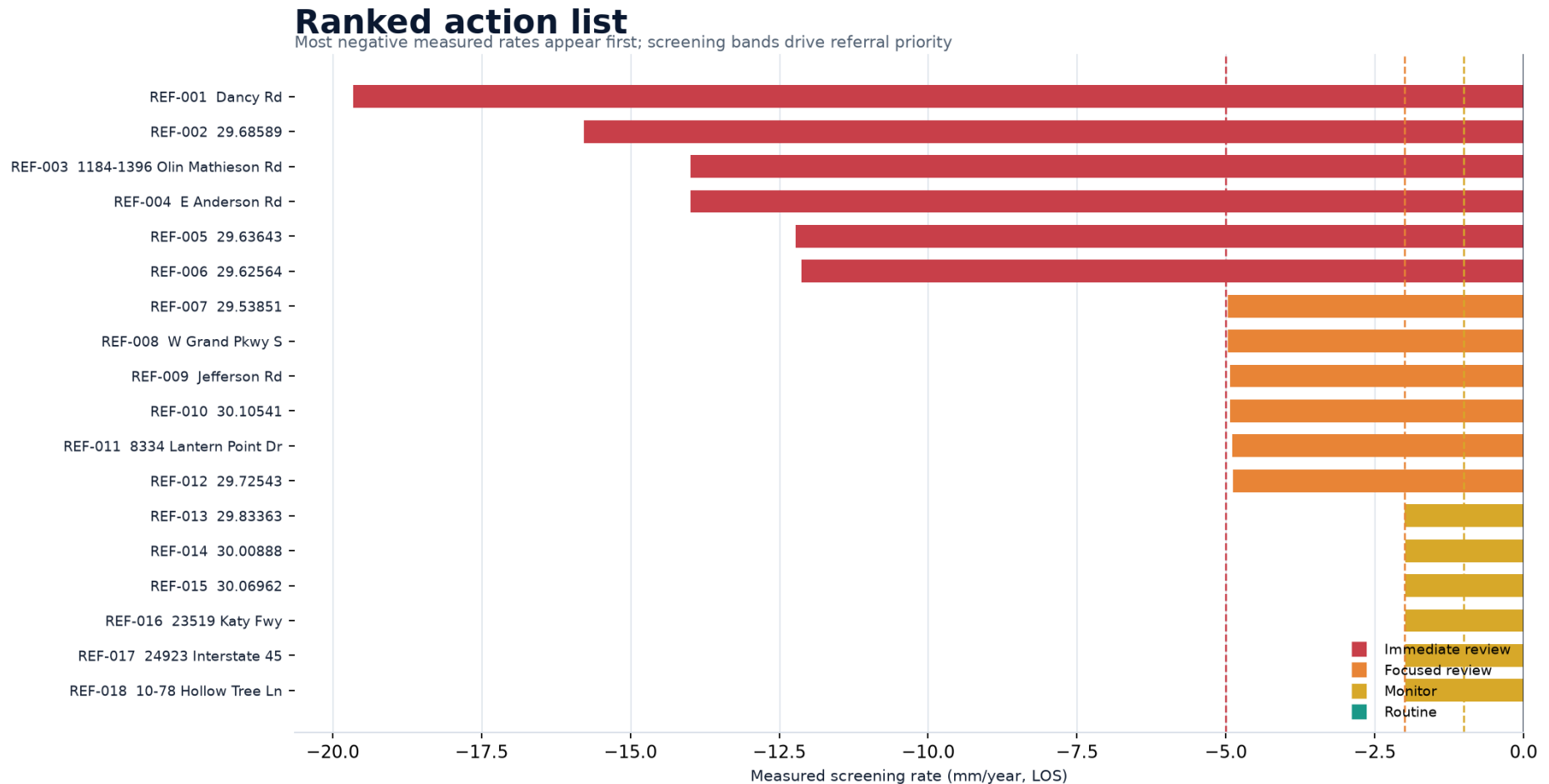
One map. One ranked referral queue.

The portfolio map makes geographic concentration and outliers visible without asking the reader to interpret raw satellite products.



The strongest evidence rises to the top

The ranked view gives underwriters, property teams, and risk engineers a common queue for review. Negative LOS values indicate movement away from the satellite along its viewing direction; they do not by themselves prove vertical subsidence or building damage.



Action register

A client delivery uses the client's own identifiers, addresses, policy fields, and portfolio groupings. Public reference locations are used here solely to demonstrate the format.

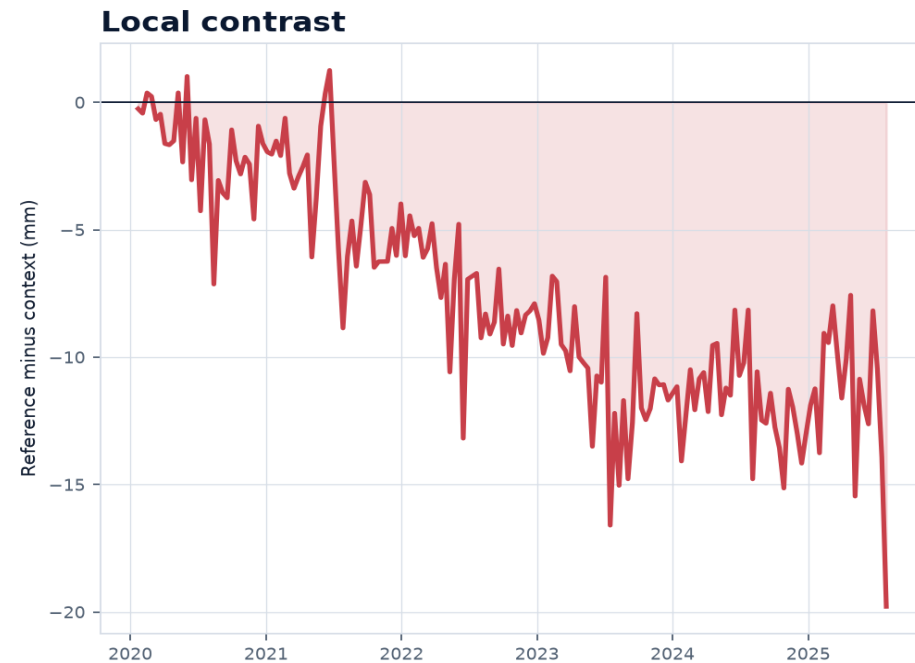
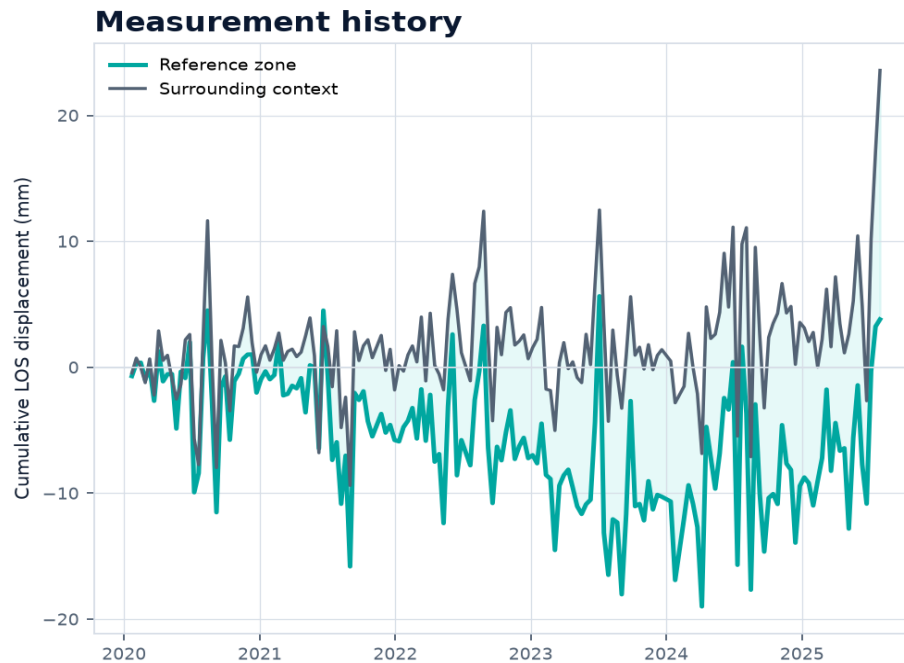
ID	Reference location	Outcome	LOS rate	Confidence	Recommended next step
REF-001	Dancy Rd	Immediate review	-19.7 mm/yr	Decision-ready	Confirm asset context; consider engineering or field review.
REF-002	29.68589	Immediate review	-15.8 mm/yr	Use with context	Confirm asset context; consider engineering or field review.
REF-003	1184-1396 Olin Mathieson Rd	Immediate review	-14.0 mm/yr	Decision-ready	Confirm asset context; consider engineering or field review.
REF-004	E Anderson Rd	Immediate review	-14.0 mm/yr	Use with context	Confirm asset context; consider engineering or field review.
REF-005	29.63643	Immediate review	-12.2 mm/yr	Use with context	Confirm asset context; consider engineering or field review.
REF-006	29.62564	Immediate review	-12.1 mm/yr	Decision-ready	Confirm asset context; consider engineering or field review.
REF-007	29.53851	Focused review	-5.0 mm/yr	Decision-ready	Review history and nearby pattern; add to referral queue if material.
REF-008	W Grand Pkwy S	Focused review	-5.0 mm/yr	Use with context	Review history and nearby pattern; add to referral queue if material.
REF-009	Jefferson Rd	Focused review	-4.9 mm/yr	Use with context	Review history and nearby pattern; add to referral queue if material.
REF-010	30.10541	Focused review	-4.9 mm/yr	Decision-ready	Review history and nearby pattern; add to referral queue if material.
REF-011	8334 Lantern Point Dr	Focused review	-4.9 mm/yr	Use with context	Review history and nearby pattern; add to referral queue if material.
REF-012	29.72543	Focused review	-4.9 mm/yr	Decision-ready	Review history and nearby pattern; add to referral queue if material.
REF-013	29.83363	Monitor	-2.0 mm/yr	Decision-ready	Retain baseline; repeat screen on agreed cadence.
REF-014	30.00888	Monitor	-2.0 mm/yr	Use with context	Retain baseline; repeat screen on agreed cadence.
REF-015	30.06962	Monitor	-2.0 mm/yr	Decision-ready	Retain baseline; repeat screen on agreed cadence.
REF-016	23519 Katy Fwy	Monitor	-2.0 mm/yr	Decision-ready	Retain baseline; repeat screen on agreed cadence.
REF-017	24923 Interstate 45	Monitor	-2.0 mm/yr	Decision-ready	Retain baseline; repeat screen on agreed cadence.
REF-018	10-78 Hollow Tree Ln	Monitor	-2.0 mm/yr	Decision-ready	Retain baseline; repeat screen on agreed cadence.
REF-019	Jungman Branch	Routine	-0.4 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-020	African American History Research Center	Routine	-0.3 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-021	HPL Southwest Express	Routine	-0.0 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-022	Tuttle Branch	Routine	0.0 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-023	Hillendahl Branch	Routine	0.1 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-024	Collier Regional Branch	Routine	0.1 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-025	Bracewell Branch	Routine	0.1 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-026	Walter Branch	Routine	0.1 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-027	Oak Forest Branch	Routine	0.2 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-028	Ring Branch	Routine	0.2 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-029	Vinson Branch	Routine	0.2 mm/yr	Decision-ready	No movement-led referral from this screen.
REF-030	Park Place Regional Library	Routine	0.3 mm/yr	Decision-ready	No movement-led referral from this screen.

Evidence behind an immediate-review referral

REF-001 is not labeled as damaged. It is referred because the measured movement pattern is strong enough to justify review alongside asset condition, foundation information, local geology, water-management history, and any inspection evidence.

Why this location enters the referral queue

REF-001 | Immediate review | measured screen -19.7 mm/year LOS



Client decision

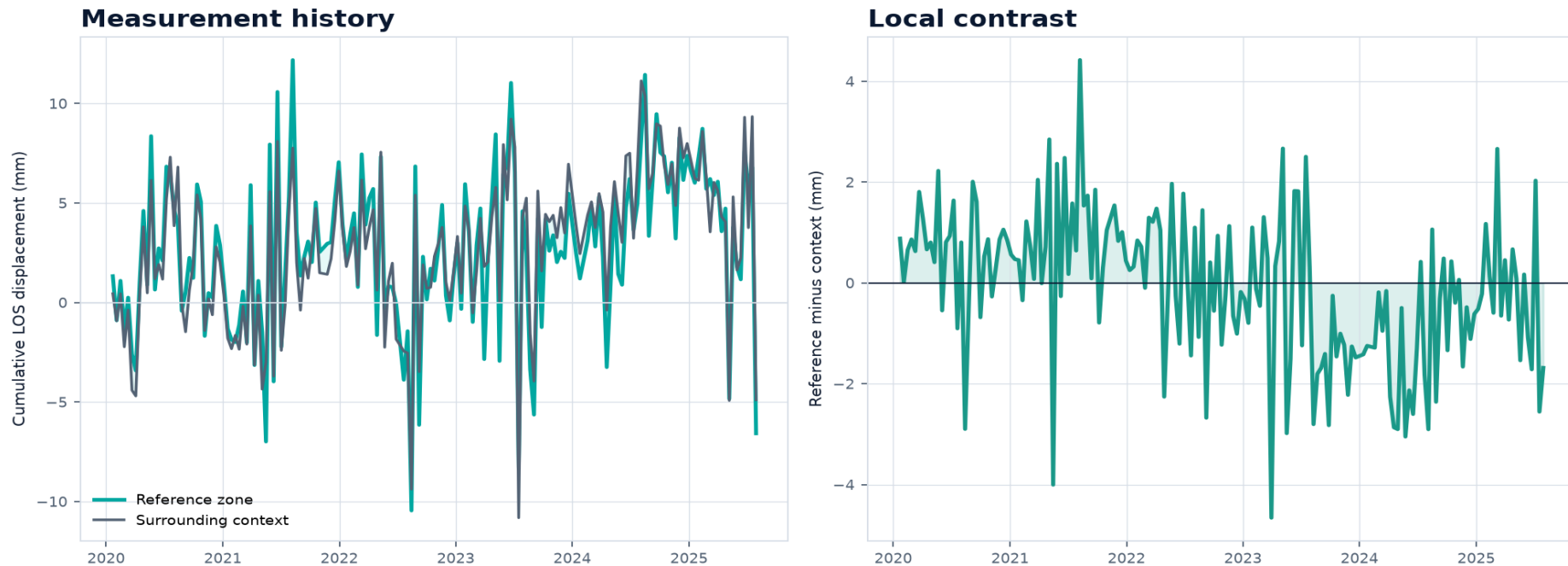
Do not treat the satellite signal as a loss conclusion. Use it to decide where specialist attention, documentation, or field verification is most valuable.

The same process also clears routine locations

REF-019 demonstrates an equally important result: no movement-led referral from the available evidence. A useful screen must distinguish routine locations from meaningful exceptions rather than simply producing alarms.

Why this location remains routine

REF-019 | Routine | measured screen -0.4 mm/year LOS



Client decision

Retain the dated baseline and continue normal decision processes. Routine does not mean zero property risk; it means this ground-movement screen did not identify a referral trigger.

Confidence is part of the deliverable

What is included

Evidence period: January 2020 to July 2025

Observation geometry: one ascending satellite track

Measurement density: 165 dated products

Native spacing: approximately 30 m

Outputs: ranked CSV/XLSX-ready register, maps, per-location histories, confidence fields, and PDF decision brief

Referral logic

WorldNerve applies explicit and auditable screening bands to prioritize follow-up. These bands are portfolio-triage rules, not published damage thresholds, structural ratings, insurance coverage opinions, or loss forecasts.

What strengthens a client result

Client inputs: exact building footprints, policy or asset IDs, occupancy and construction fields, inspection history, and decision-specific tolerances.

Optional evidence: descending-track observations, GNSS or survey control, local geotechnical information, and event or claim dates.

Outcome: a traceable referral queue aligned to the client's actual workflow.

Appropriate use

Use the report for screening, prioritization, chronology, and evidence organization. A qualified engineer or geotechnical professional should determine causation, structural condition, remediation need, or fitness for use.

Delivered for action

The results arrive as a ranked register, portfolio map, per-location history, confidence fields, and PDF summary - ready to support underwriting, due diligence, inspection, claims review, or asset-management workflows.

TURN A LOCATION SCHEDULE INTO A DECISION QUEUE

Start with one portfolio, corridor, property, or claim.

WorldNerve can run a feasibility review before a full engagement. Send a small location schedule or one representative asset and the decision you need to support.

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What to send

A CSV or spreadsheet with asset ID, address or coordinates, and any grouping fields that matter to the decision.

What you receive

A ranked action register, portfolio map, evidence histories, confidence fields, machine-readable outputs, and a decision-ready PDF.

Where it fits

Underwriting and renewal | property due diligence | risk-engineering referrals | claims chronology | asset and infrastructure monitoring

Data basis: OPERA Surface Displacement (DISP-S1), ascending track 34 / frame 8882; 165 observations from January 2020 to July 2025. Screening uses short-wavelength LOS measurements at approximately 30 m native spacing and local spatial aggregation. LOS combines vertical and horizontal motion; negative values are movement away from the satellite, not direct vertical-settlement estimates. Public locations demonstrate the format and do not characterize any named property.