

Haga sample report

A sample of what Haga hands back, generated from the real public ALOHA static towel run. The footage is LeRobot's public dataset; nothing in this report is sensitive and nothing is redacted.

The verdict

0.087

Flag rate on presumed-clean tracks

69 scored tracks from 51 source clips, 6 flagged - target ≤ 0.020 - the preregistered 'FP rate on clean clips' - 6 of 51 source clips refused at least once, so the rate is above the target on either unit

1.000

Detection rate

138 injected violations, 138 caught - target ≥ 0.950

FAIL

Verdict

The calibration state

What the gate was calibrated on, and how

the experiment	P2-E1 real-footage calibrated gate (SAP v2)
the verdict	FAIL
the tracks scored	69
the flagged	6
the clean	63
the abstained	0
the support plane	measured per clip, from the resting-height segment
the free-frame mask	derived from the gripper signal
the calibration and test episodes	disjoint
the generated at	2026-10-21T01:12:03Z

The post-hoc audit finding, and what it does not tell you

The audit's SUPPORT-PLANE-GAP finding appears on 6 of the 6 flagged tracks and on 63 of the 63 unflagged ones. It is on every track, so it does not distinguish a flagged track from an unflagged one, and it says nothing about why the gate refused what it refused. The clean cohort is presumed violation-free and is not independently labelled, so a flag on one of its clips is not established as wrong.

What this run does not show

- The real-footage gate FAILS as measured: the rate at which the gate refuses presumed-clean tracks is 0.087 against a 0.020 target.

- The object diameter is ASSUMED and metres-per-pixel is a declared camera calibration, not a measurement.
- Injected violations are SYNTHETIC and prove only that the detectors can fire on a known violation.
- Detector coverage is incomplete: a detector that never became applicable has no measurable rate.

The per-track evidence

Clip	Verdict	Checks that fired	First flagged frame
frame00086	CLEAN	none fired	no flag
frame00086 (track 2)	CLEAN	none fired	no flag
frame00419	CLEAN	none fired	no flag
frame00091	FLAG	contact	clip-level flag
frame00091 (track 2)	CLEAN	none fired	no flag
frame00091 (track 3)	CLEAN	none fired	no flag
frame00374	CLEAN	none fired	no flag
frame00374 (track 2)	CLEAN	none fired	no flag
frame00374 (track 3)	CLEAN	none fired	no flag
frame00390	CLEAN	none fired	no flag
frame00090	CLEAN	none fired	no flag
frame00090 (track 2)	CLEAN	none fired	no flag
frame00324	CLEAN	none fired	no flag
frame00097	CLEAN	none fired	no flag
frame00097 (track 2)	CLEAN	none fired	no flag
frame00338	CLEAN	none fired	no flag
frame00338 (track 2)	CLEAN	none fired	no flag
frame00089	CLEAN	none fired	no flag
frame00457	CLEAN	none fired	no flag
frame00081	CLEAN	none fired	no flag
frame00099	CLEAN	none fired	no flag
frame00099 (track 2)	CLEAN	none fired	no flag
frame00099 (track 3)	CLEAN	none fired	no flag
frame00099 (track 4)	CLEAN	none fired	no flag
frame00368	CLEAN	none fired	no flag
frame00116	CLEAN	none fired	no flag
frame00393	CLEAN	none fired	no flag
frame00088	CLEAN	none fired	no flag
frame00369	FLAG	contact	clip-level flag

Clip	Verdict	Checks that fired	First flagged frame
frame00370	CLEAN	none fired	no flag
frame00388	CLEAN	none fired	no flag
frame00096	CLEAN	none fired	no flag
frame00096 (track 2)	CLEAN	none fired	no flag
frame00096 (track 3)	CLEAN	none fired	no flag
frame00346	CLEAN	none fired	no flag
frame00346 (track 2)	CLEAN	none fired	no flag
frame00103	FLAG	contact	clip-level flag
frame00103 (track 2)	CLEAN	none fired	no flag
frame00428	CLEAN	none fired	no flag
frame00105	CLEAN	none fired	no flag
frame00105 (track 2)	FLAG	contact	clip-level flag
frame00391	CLEAN	none fired	no flag
frame00381	CLEAN	none fired	no flag
frame00098	CLEAN	none fired	no flag
frame00098 (track 2)	CLEAN	none fired	no flag
frame00418	CLEAN	none fired	no flag
frame00117	CLEAN	none fired	no flag
frame00413	CLEAN	none fired	no flag
frame00112	FLAG	contact	clip-level flag
frame00112 (track 2)	CLEAN	none fired	no flag
frame00444	CLEAN	none fired	no flag
frame00102	CLEAN	none fired	no flag
frame00433	CLEAN	none fired	no flag
frame00095	CLEAN	none fired	no flag
frame00437	CLEAN	none fired	no flag
frame00094	CLEAN	none fired	no flag
frame00412	CLEAN	none fired	no flag
frame00445	CLEAN	none fired	no flag
frame00442	CLEAN	none fired	no flag
frame00092	CLEAN	none fired	no flag
frame00350	CLEAN	none fired	no flag
frame00093	CLEAN	none fired	no flag
frame00366	CLEAN	none fired	no flag
frame00396	CLEAN	none fired	no flag

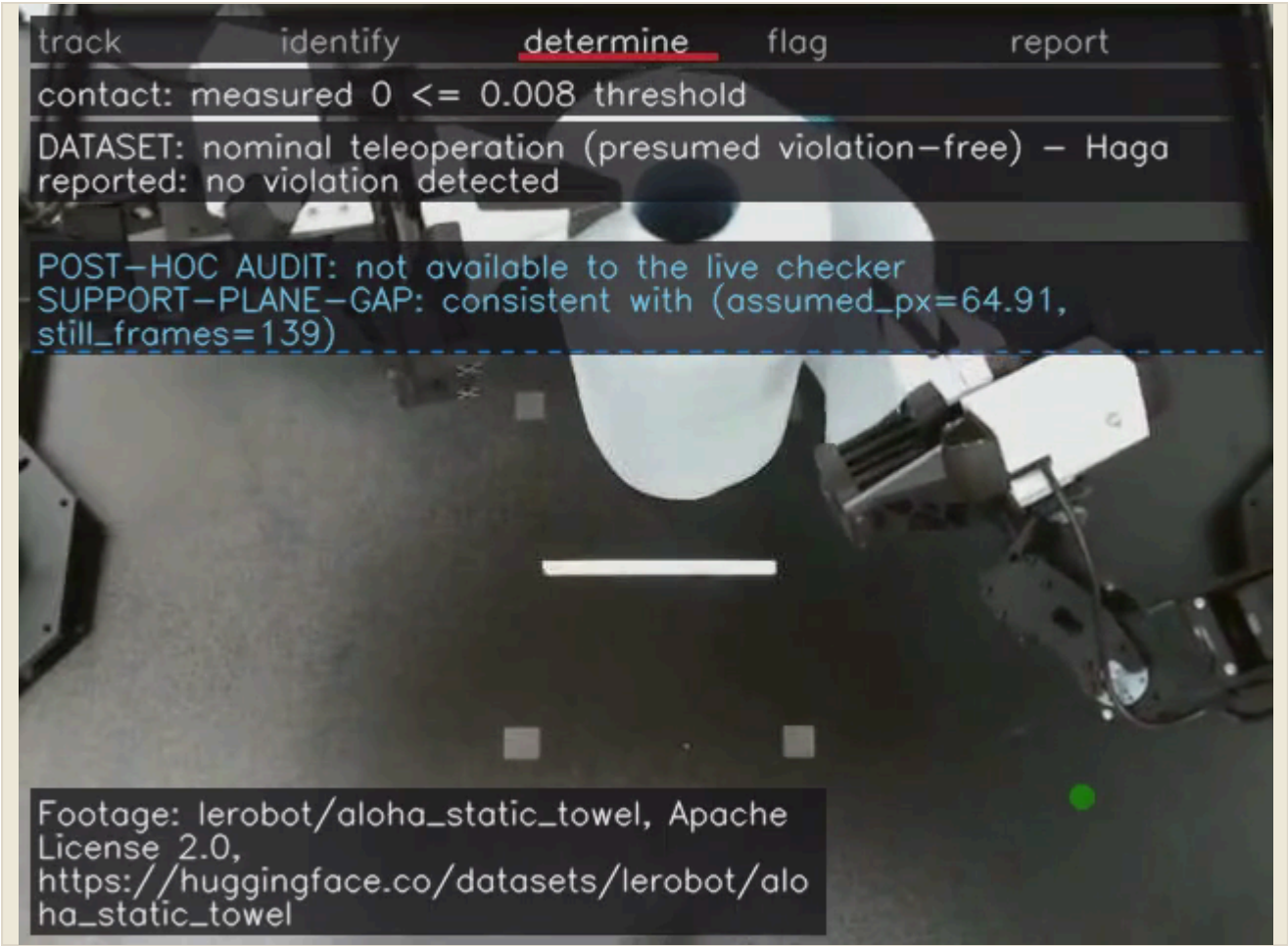
Clip	Verdict	Checks that fired	First flagged frame
frame00375	CLEAN	none fired	no flag
frame00082	CLEAN	none fired	no flag
frame00384	FLAG	contact	clip-level flag
frame00480	CLEAN	none fired	no flag
frame00373	CLEAN	none fired	no flag

The hashes

the results document	4c1c8e2989e84769af08220097e737cc91f6ec577cb04ab7f00de8a265da4c71
the artifact	6b4a09481cfc437426627cf7a0a8eeb395a3b53685545b0daf27c77764edce1f
the artifact file	p2e1-v2-AlohaTowel.json
the kernel	mushoodhanif/haga-p2e1-real-footage-gate
the seeds	calibration episodes 0-14, test episodes 15-16, disjoint

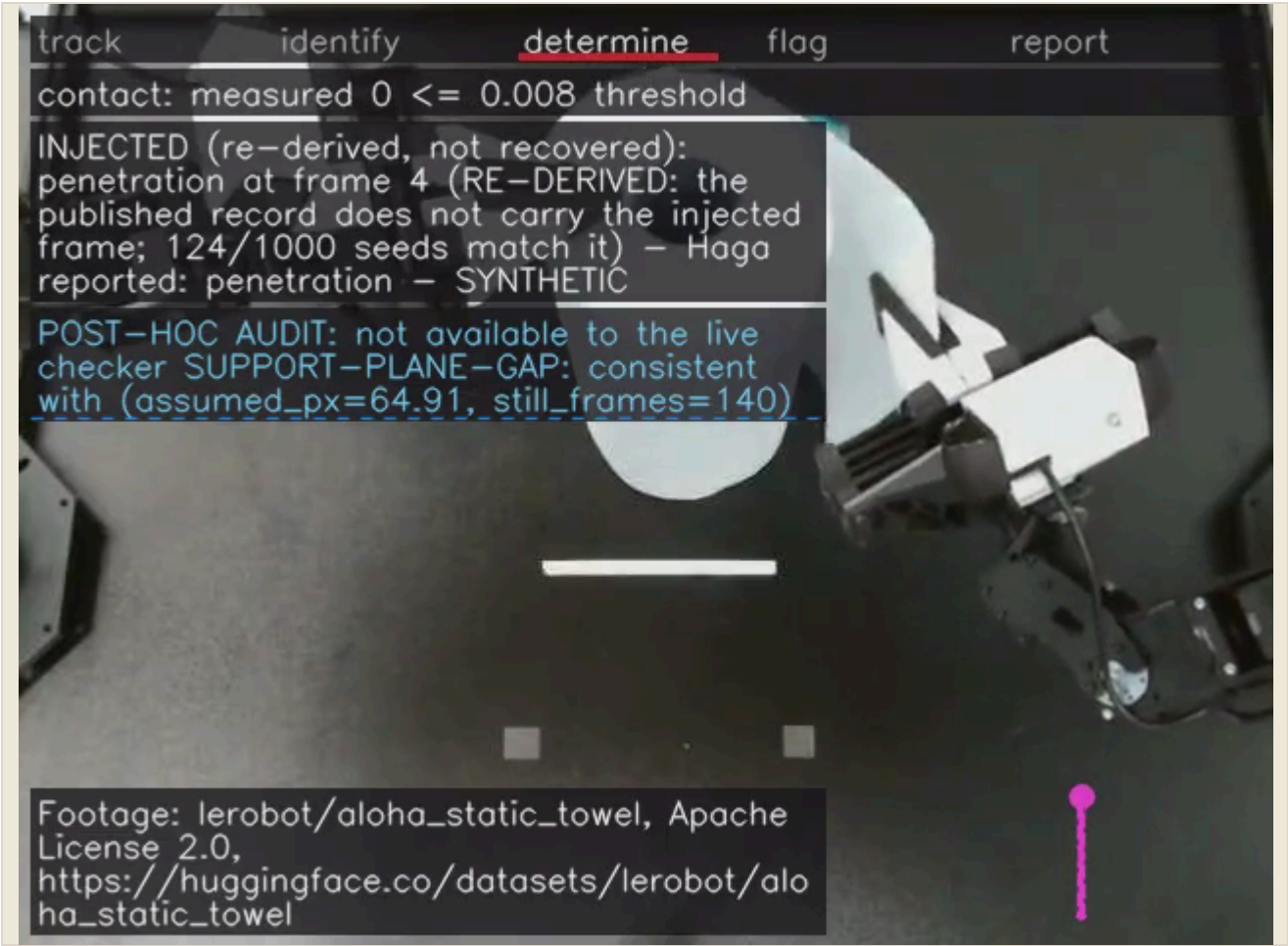
Sample report, public dataset. Every figure is the published run's own, and the run's artifact and manifest are the source of all of them. The overlay frames that follow are real frames of the published overlay videos.

frame00091 —



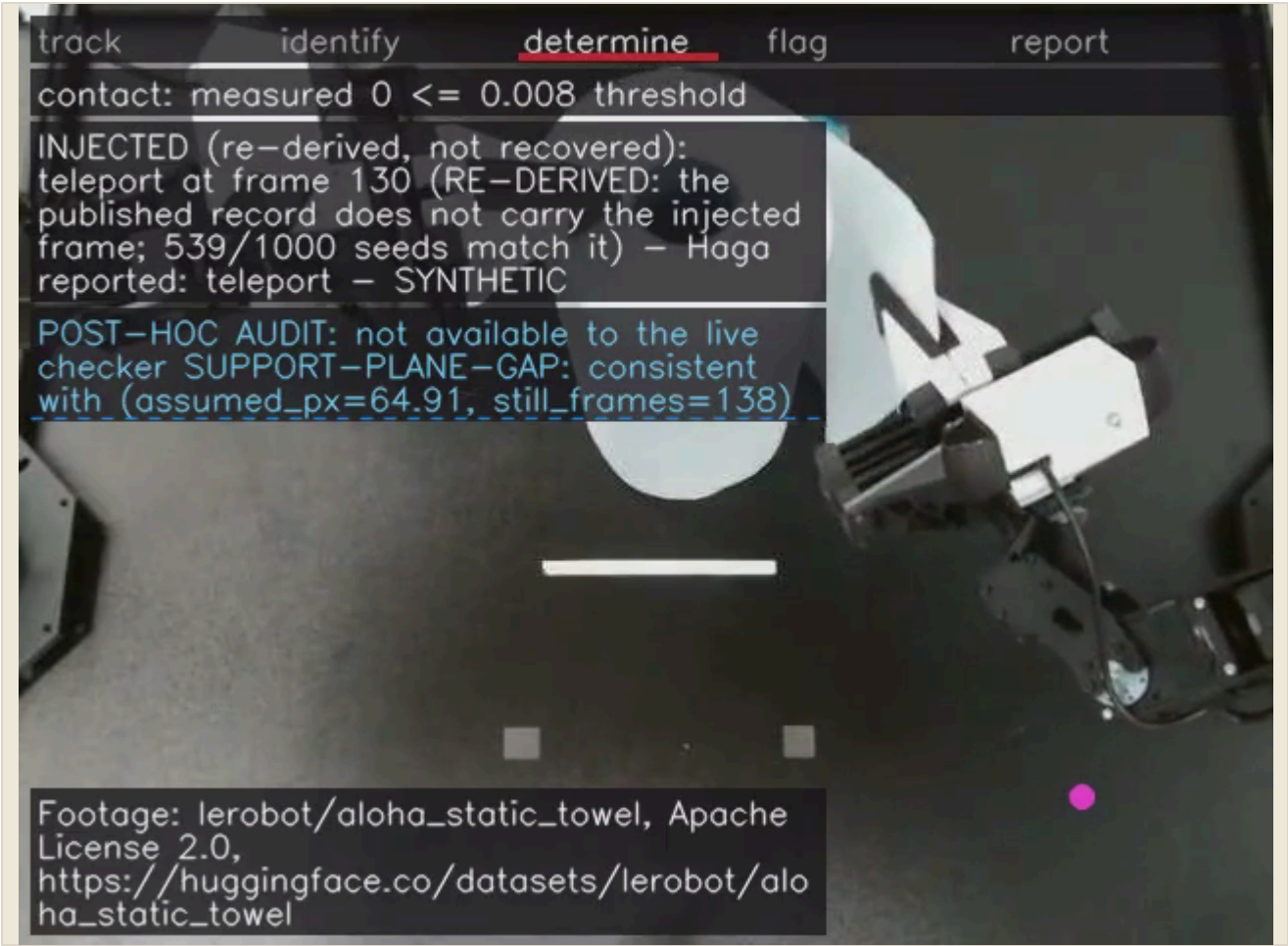
the verdict	frame00091
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/9ccb1512328e2d44-frame00091_overlay.mp4
the file digest	9ccb1512328e2d44aab65d780ea89cc7f780d2a4e2b07a36241b636930c542a0
the bytes	230045

frame00091_penetration —



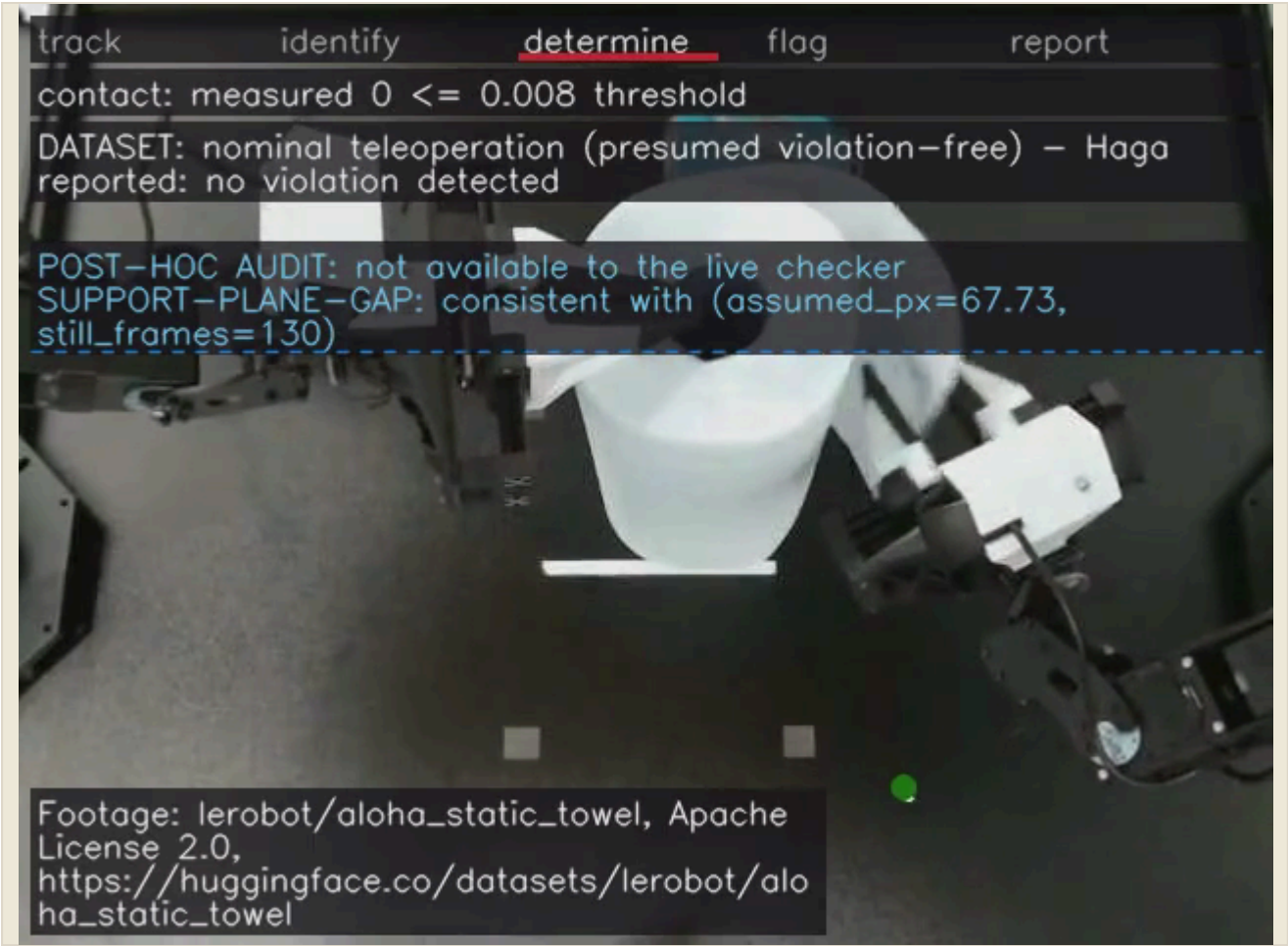
the verdict	frame00091_penetration
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/616d20e976195368-frame00091_penetration_overlay.mp4
the file digest	616d20e976195368bc31f12dd1bc6d98ba3d01a78cf4171326896c2ed6ffe041
the bytes	232357

frame00091_teleport —



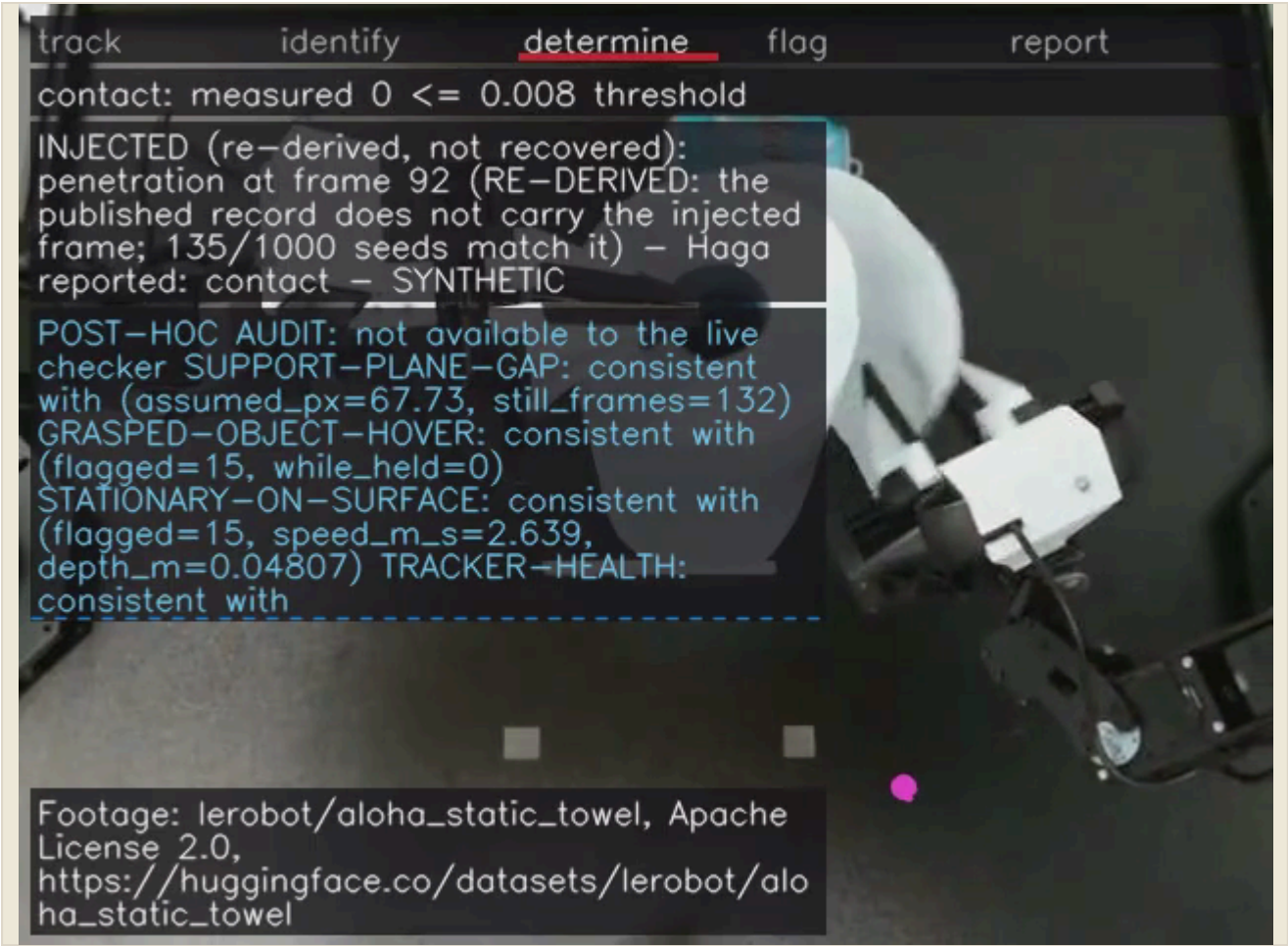
the verdict	frame00091_teleport
the cohort	
the source	https://uwlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/3a6ca3afc3315066-frame00091_teleport_overlay.mp4
the file digest	3a6ca3afc33150660aa03d4e58e73d6276f9dabf2da08a532f1a85be7a39177e
the bytes	235000

frame00103 —



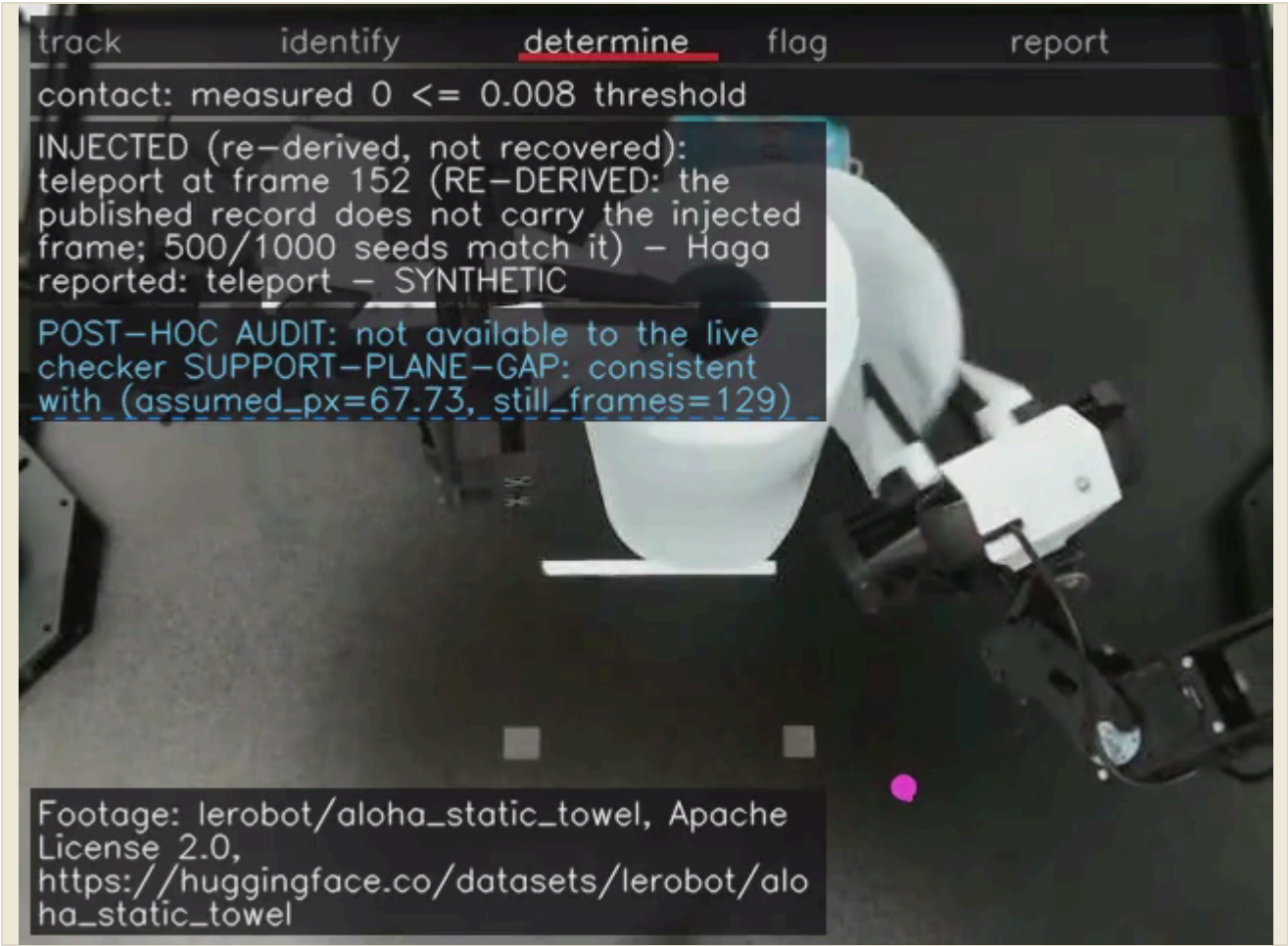
the verdict	frame00103
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/3670650d39333717-frame00103_overlay.mp4
the file digest	3670650d3933371733c878f44e345ff87bd9fcc5e389d3f735aff1f653beb30e
the bytes	222782

frame00103_penetration —



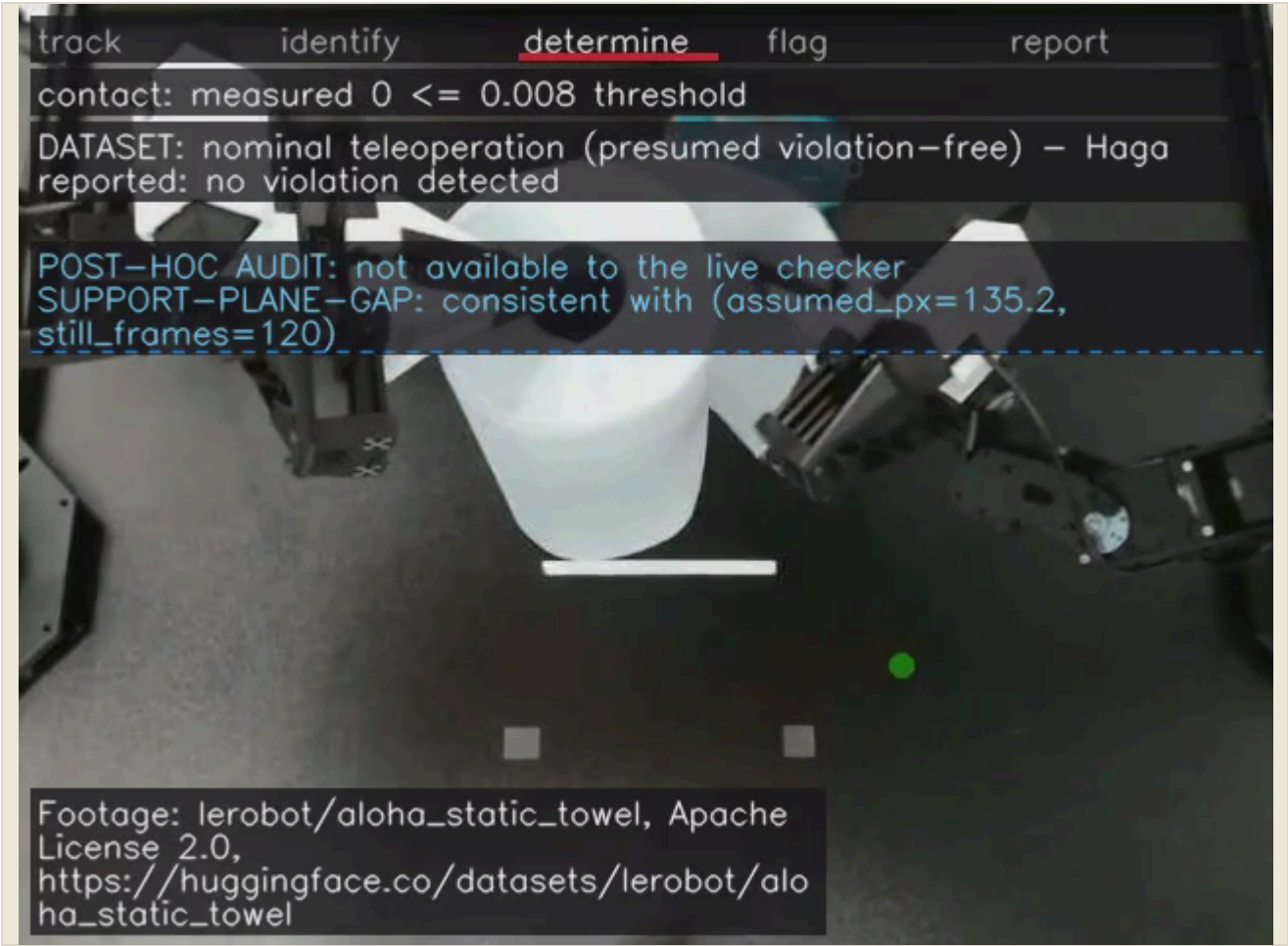
the verdict	frame00103_penetration
the cohort	
the source	https://uwlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/63c8f09fa7158de6-frame00103_penetration_overlay.mp4
the file digest	63c8f09fa7158de6405a743e354b72073e98e1267894f2e46095bb8d89215fcf
the bytes	222872

frame00103_teleport —



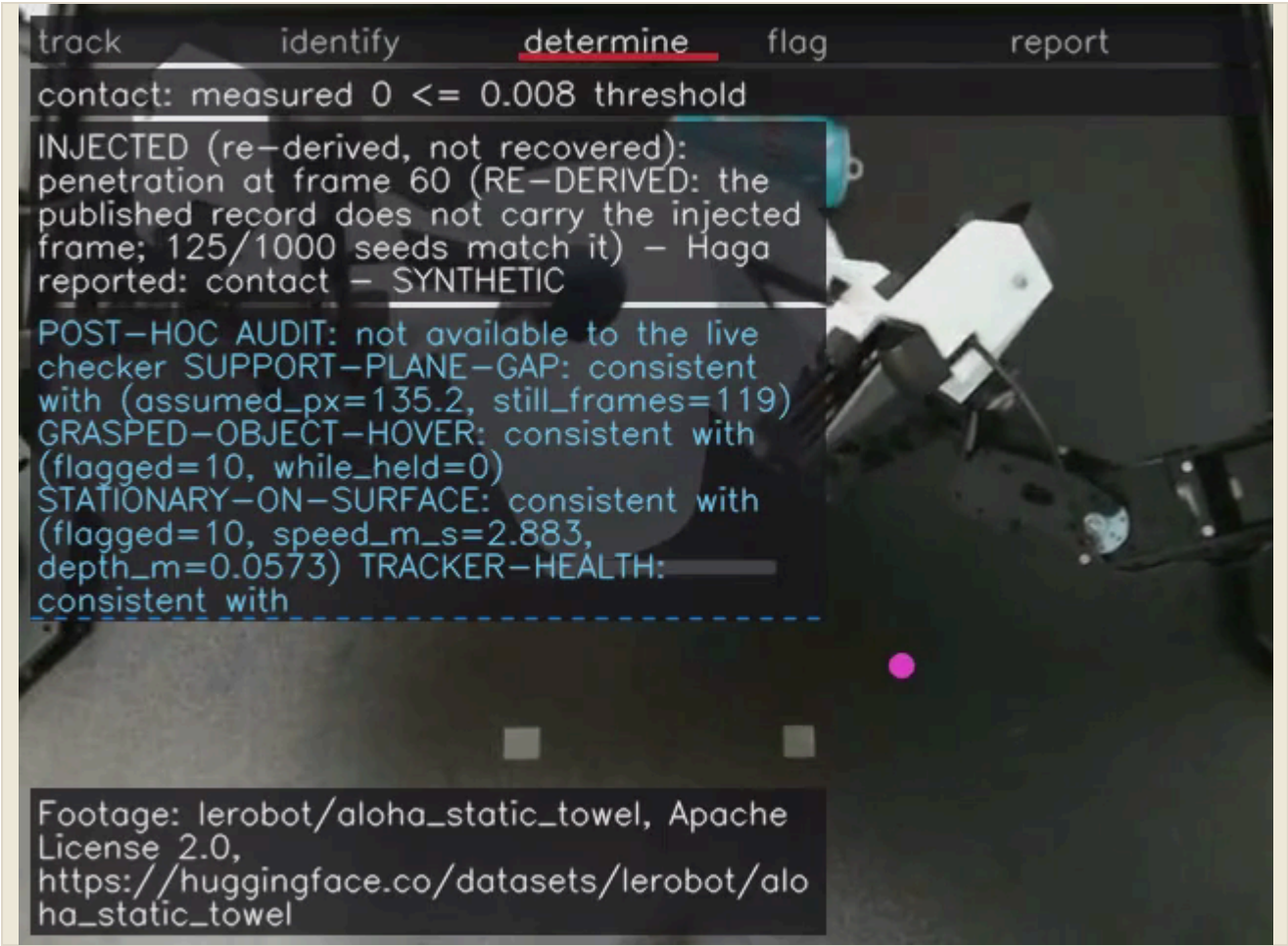
the verdict	frame00103_teleport
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/0d55ebaa5c9f5470-frame00103_teleport_overlay.mp4
the file digest	0d55ebaa5c9f547007090fce3fa8584783460bba8ba0e4bfcca6cc2d61794c62
the bytes	225728

frame00112 —



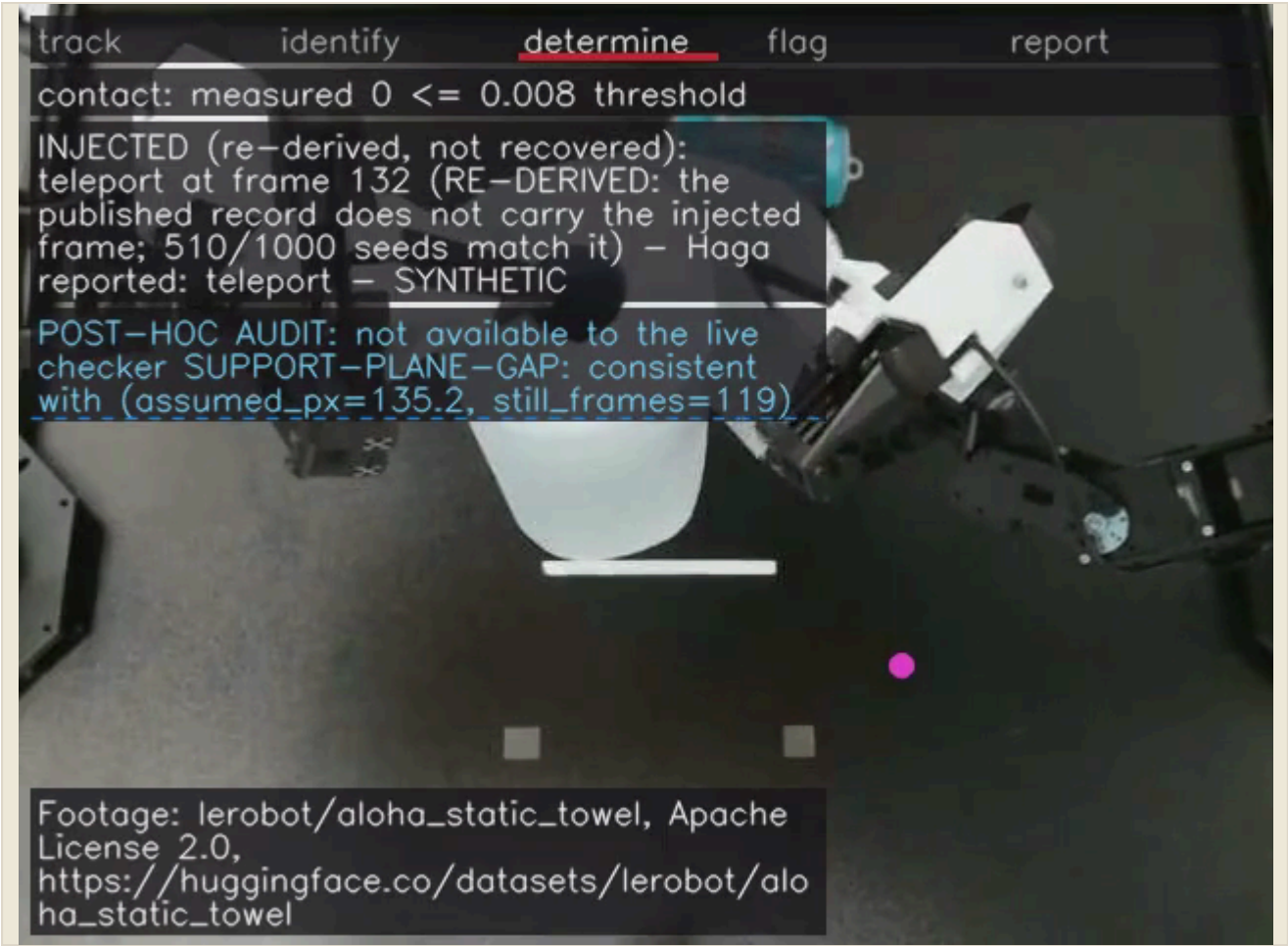
the verdict	frame00112
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/81292763d49e0cf3-frame00112_overlay.mp4
the file digest	81292763d49e0cf3385ee2c8ddf38937a79aa203ab02fe095d879d26b8cc6898
the bytes	233121

frame00112_penetration —



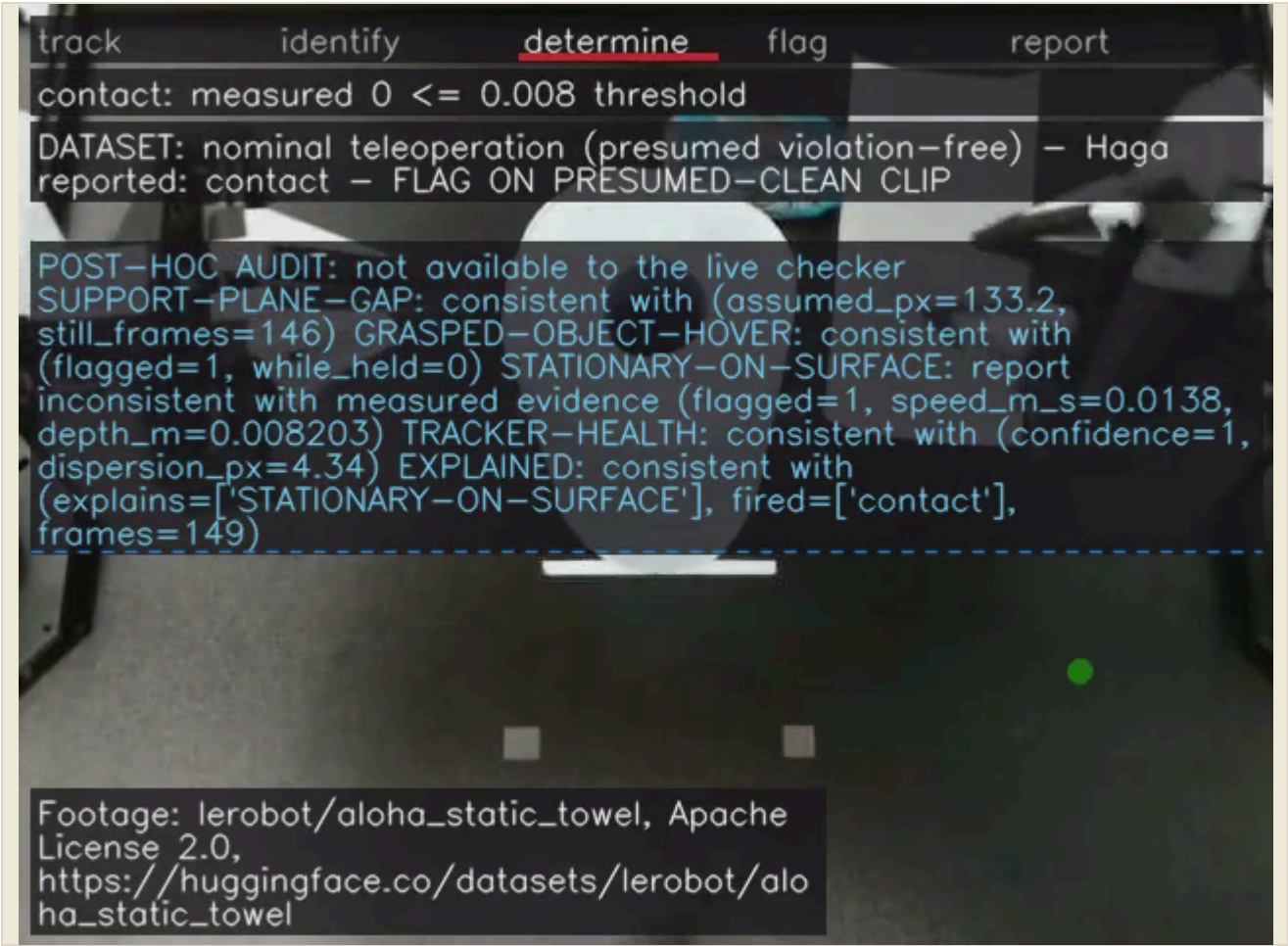
the verdict	frame00112_penetration
the cohort	
the source	https://uwlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/f13065fdc0567323-frame00112_penetration_overlay.mp4
the file digest	f13065fdc0567323580298dd5c827821d5d0d46dc5f3d25975028a24968c6ac9
the bytes	226669

frame00112_teleport —



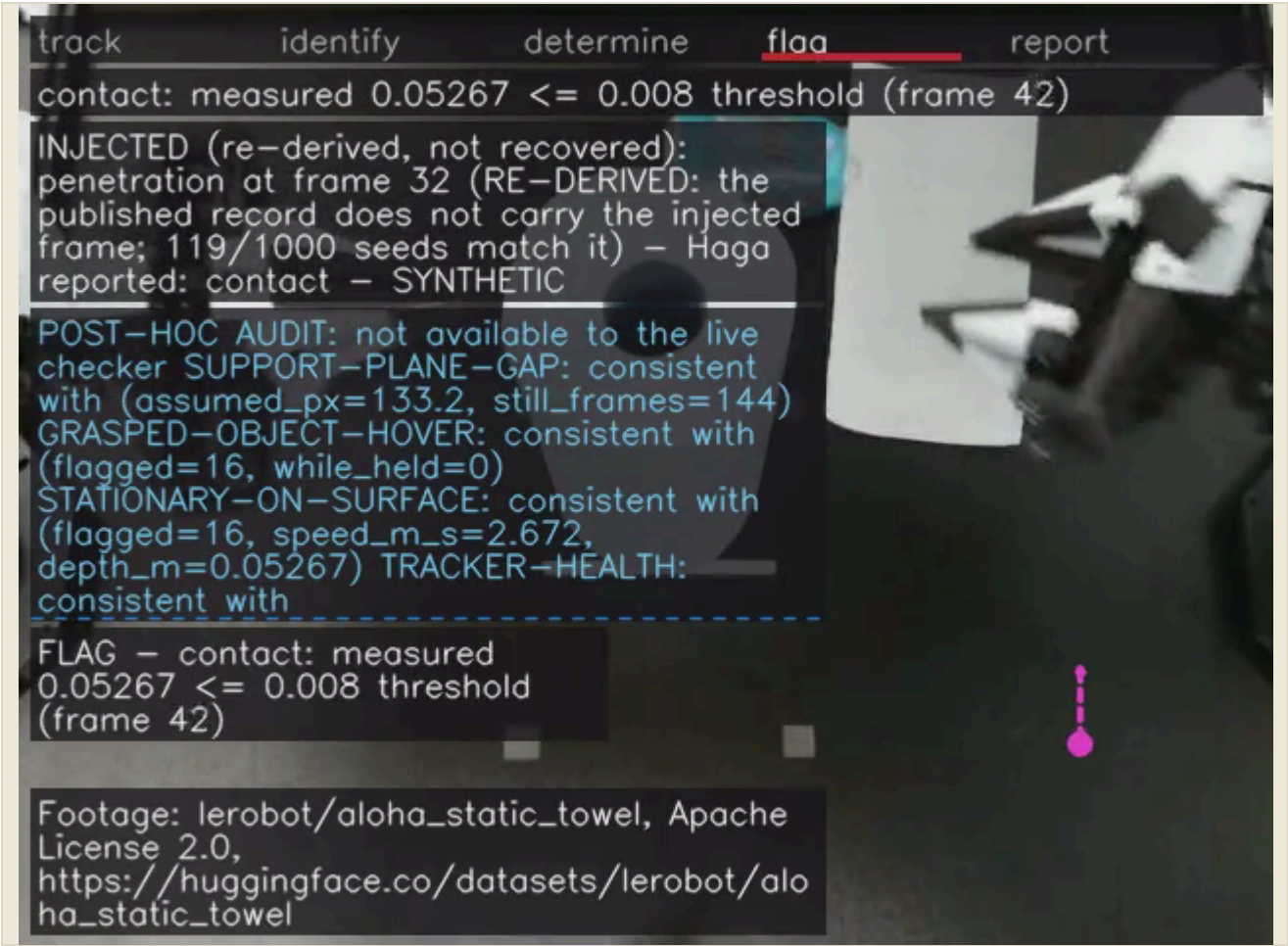
the verdict	frame00112_teleport
the cohort	
the source	https://uwlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/2184b263ddc7e2b2-frame00112_teleport_overlay.mp4
the file digest	2184b263ddc7e2b2ffbff495e831a7c27f79d3dff735665b746122eae276be63
the bytes	232262

frame00369 —



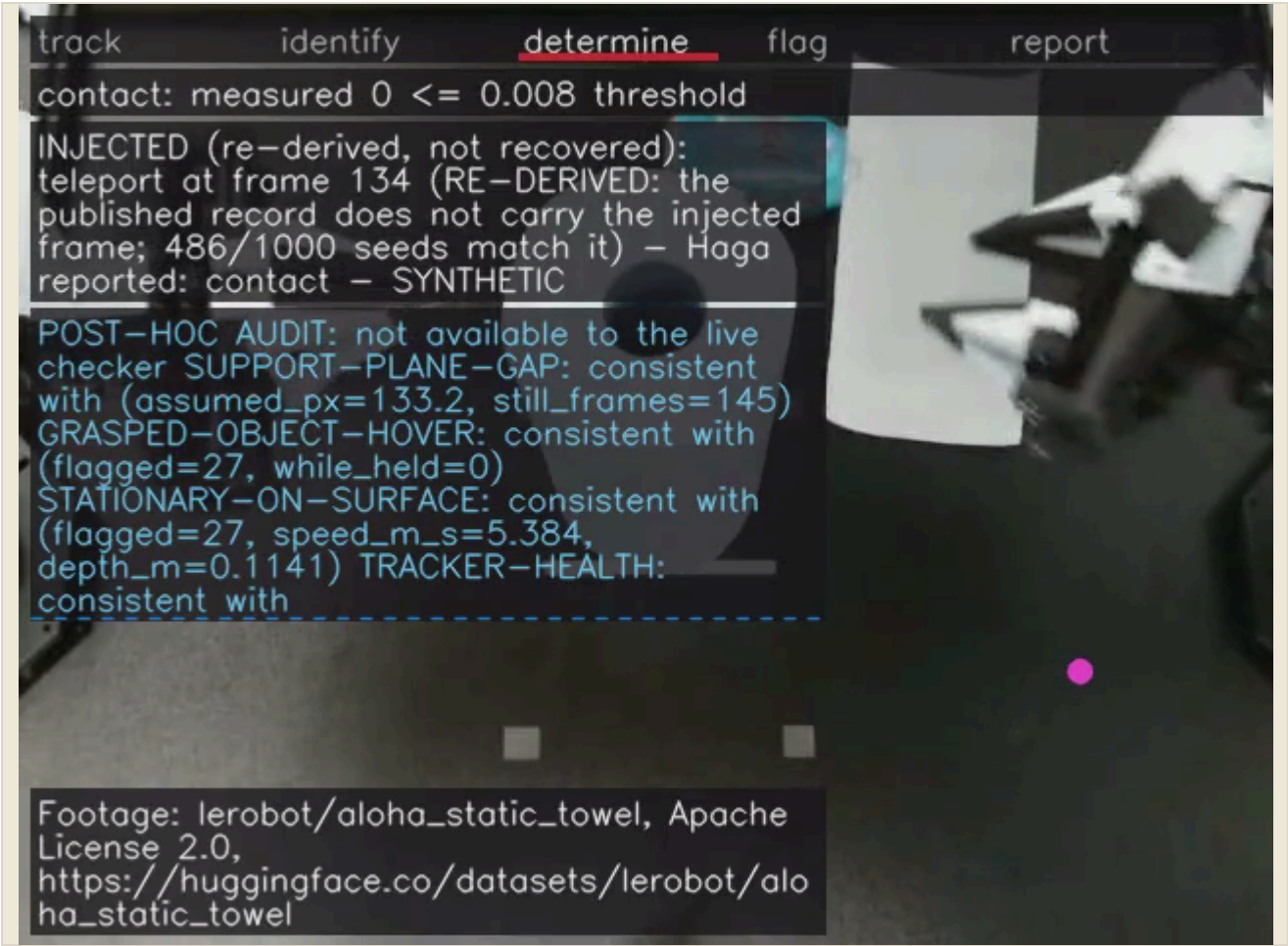
the verdict	frame00369
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/dac93aac94c123f9-frame00369_overlay.mp4
the file digest	dac93aac94c123f9509bf02bd958902c9748929c2e02641ab6d63d8adf861401
the bytes	226628

frame00369_penetration —



the verdict	frame00369_penetration
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/44e4d7610a6f78a2-frame00369_penetration_overlay.mp4
the file digest	44e4d7610a6f78a2f895fe00408530b2b1c31201d6bff7c9f06e85621091fbd4
the bytes	241031

frame00369_teleport —



the verdict	frame00369_teleport
the cohort	
the source	https://uvlkw1fxgpeshjgp.public.blob.vercel-storage.com/experiments/p2e1-real-footage-gate/50e0e32aaef3e08e-frame00369_teleport_overlay.mp4
the file digest	50e0e32aaef3e08e801c4a0300d5997bb06e71adf5d2c6aa055c50283a03e91d
the bytes	240432