ALL-DOMAIN ANOMALY RESOLUTION OFFICE (AARO)

PUBLIC UAP REPORT SUBMISSION

Submitted via aaro.mil reporting portal

Section A: Reporter Information

Full Name	Jeromy West
Location	Glenside, Pennsylvania
Background	B.S. Physical Anthropology & Archaeology, Oregon State University; USAF Air Transportation Specialist, 20 years service (Retired)
Contact	Available upon request
Submission Date	March 2026
Report Type	Multi-event systematic observation study - September through December 2025

Section B: Event Overview

This submission documents a systematic fixed-point video observation program conducted from a residential location in Glenside, Pennsylvania, September 4 through December 30, 2025. The observation post faces due north along the Philadelphia-to-Allentown corridor - a region acknowledged by FAA/DHS in December 2024 as an area of documented unusual aerial activity.

The observer is positioned approximately equidistant between McGuire Air Force Base (~35 miles SE) and Dover Air Force Base (~60 miles S), in proximity to Limerick Nuclear Generating Station and Peach Bottom Atomic Power Station. All footage was captured using consumer Samsung Galaxy smartphones (S10 and S24). Analysis was conducted retrospectively, weeks to months after filming, using a custom Python/OpenCV detection pipeline.

Section C: Event Log Summary

The following table summarizes the primary documented events. Full technical analysis is provided in the accompanying scientific report.

Date	Video File	Type	Key Metric	Behavior	Pri.
Sep 4	20250904_160545	Type 1	Hue:109, Area:484-529px	Energy field transit corridor	H
Sep 7	20250907_145642	Type 1 cand.	Hue:108, Thermal diff:27	Morphing object + light below	M
Sep 11	20250911_101203_7	Multi	Hue:108, 60 detections	Post-contrail sampling	H
Sep 11	20250911_101203_31	Type 1	Hue:108-116, 207px/s	Slow transit dual craft	H

Date	Video File	Type	Key Metric	Behavior	Pri.
Sep 11	20250911_120736_2	Type 6 cand.	6,728px/s R2=0.98	Fast transient MOVER_A	X
Sep 11	20250911_133127_2_1	Pursuit	Hue:108 both, 3.5x speed	Pursuit event - same signature	X
Dec 14	20251214 session	Tic Tac	Hue:108-110	Direct Tic Tac encounter	X
Dec 18	20251218_115337_1	Type 1/3	Hue:110 both, 1.03s gap	Dual sequential transit	X
Dec 18	20251218_102259_1_1	Beam event	Hue:80-101, 1.93s	Scan and lock beam	H
Dec 30	Dec30 series	Type 2/6	R2=1.000, 4,712px/s	Type 6 confirmed transit	X

Priority key: X=EXTREME, H=HIGH, M=MEDIUM

Section D: Primary Scientific Finding

The single most significant finding is a consistent electromagnetic hue signature (HSV Hue 108-112, cyan-blue spectrum) detected across ALL confirmed UAP types in ALL sessions, across both cameras, throughout the four-month archive period.

This signature corresponds to the 490-510nm cyan-blue spectral range associated with ionized plasma emission. It is repeatable, measurable, consistent across instruments, and distinct from all known natural false positive sources. It constitutes the primary measurable discriminator for UAP identification in this archive.

Section E: Behavioral Evidence

- Formation discipline: Lag correlation analysis of December 18 instructor-student pair returns r=+0.807 at 267ms lag, indicating reactive following behavior consistent with piloted or semi-autonomous response.
- Corridor spacing protocol: December 18 dual sequential transit with exactly 1.03-second inter-craft gap, identical Hue 110 signature, same route.
- Post-contrail sampling: September 11 session shows organized population of Hue 108 objects clustering at contrail axis post-transit, with individual object ascending vertically toward contrail from below.
- Active scanning: December 18 beam event with three-phase sweep-and-lock sequence (sweep right, sweep left, stable lock) consistent with search-and-acquisition behavior.
- Counter-wind capability: Type 1 objects documented transiting against prevailing wind vector on three separate occasions, eliminating atmospheric drift as an explanation.

Section F: Conventional Air Traffic Correlation - New Data

A critical addition to this submission is a conventional air traffic correlation dataset covering the same observation periods. Using FlightRadar24 application captures processed through a custom OCR-based extraction pipeline, 826 timestamped screenshots were systematically analyzed across all six session dates, producing a flight log with 98% timestamp recovery.

December 14, 2025 - Tic Tac Encounter Control Data

Traffic density analysis for the December 14th session - the Tic Tac encounter date - documents 51 conventional aircraft tracked in the same corridor during the 18:00 UTC hour alone, the same window in which the anomalous object was observed. This directly rules out misidentification of conventional traffic as an explanatory factor. The anomalous object was present during peak corridor activity, not during a traffic lull.

Session Traffic Density Summary

Date	Day	Screenshots	Peak Traffic	Notes
2025-09-04	Thursday	137	37/hr at 18:00 UTC	Evening session
2025-09-05	Friday	313	46/hr at 19:00 UTC	Longest session
2025-09-06	Saturday	149	37/hr at 14:00 UTC	Weekend low traffic
2025-09-11	Thursday	1	--	Partial - data pending
2025-12-14	Saturday	169	51/hr at 18:00 UTC	Tic Tac encounter
2025-12-30	Monday	43	--	Holiday traffic peak

Recurring Aircraft in Observation Corridor

Cross-session analysis of registered tail numbers identified 21 aircraft appearing on two or more session dates across the observation period. Two H135 helicopters (N135TG and N139TJ) made multiple passes across consecutive days and across the September-December period respectively, indicating regular low-altitude corridor operations. Additionally, individual registrations N594FX and N945JS appeared in both September and December sessions - the same aircraft transiting the same corridor three months apart.

This flight log dataset constitutes a conventional air traffic control baseline against which anomalous detections can be formally compared. It is available in full as a supporting Excel workbook upon request.

Section G: Physical Characteristics

Characteristic	Observed Value
Electromagnetic signature	HSV Hue 108-112 (cyan-blue) cross-session, cross-instrument
Speed range	207 px/sec (slow transit) to 6,728 px/sec (Type 6 fast transient)
Trajectory linearity	R2 = 1.000 confirmed (DEC30_3_1); R2 = 0.98 (Sep 11 MOVER_A)
Estimated physical size	5-12 feet diameter at estimated 0.5-1 mile range
Thermal profile	Type-dependent: -7 to +9C (Type 1) to extreme (Type 2)
Beam scan scale	~4,224 feet vertical at ~18 mile estimated range
Formation reaction time	267ms (consistent with human/semi-autonomous response)

Characteristic	Observed Value
EMI sensor interference	RG_std 0.020-0.024 (37x baseline); focus delta >50.0 sigma flagged; 3 sessions affected

Section H: Request and Supporting Materials

Electromagnetic Interference (EMI) Sensor Events

In addition to the optical detection findings described above, the analysis pipeline identified three sessions exhibiting measurable electromagnetic interference at the sensor level. These events are documented through CMOS red-green channel standard deviation (RG_std) and Laplacian focus variance, both of which are instrument-level measurements independent of the object-detection pipeline.

September 4, 2025 - Sustained EM Field (37x Baseline). The entire September 4 session documented a progressive drift from blue-dominant to red-dominant CMOS channels over the recording period. RG_std values measured 0.020-0.024, representing a 37x elevation over the stable equipment baseline of 0.0006. Any RG_std value exceeding 0.008 is an automatic instrumental flag. A v10 scanner audit of all 26 session segments confirmed zero sigma events and zero slow mover detections, establishing that the EMI signature is sensor-level and not attributable to a misclassified object in the field of view. This is consistent with an ambient electromagnetic field affecting the CMOS sensor rather than a point-source emitter within focal range.

September 11, 2025 - Strongest EMI Event (Sigma Flagged). Video 20250911_120736_4.mp4 recorded a Laplacian focus delta exceeding 50.0 against a 30-frame rolling baseline, triggering a sigma-level flag - the strongest single EMI event in the archive. This detection is associated with a Type 2 (Compact Disc) classification. The focus delta exceeding 50.0 carries a +25 point BioScore bonus, providing an independent discriminator channel converging with the RG_std pathway on the same object.

December 30, 2025 - EMI Concurrent with Type 6 Transit. Video 20251230_111649_3_1_1 recorded RG_std of 0.020 concurrent with the confirmed Type 6 fast transient detection (R2=1.000, 4,712 px/sec). Scanner correlation for this event is pending completion.

These EMI findings represent a measurement channel independent of the primary optical detection pipeline. The CMOS red channel has been identified as the most sensitive to external electromagnetic fields in this equipment configuration. The correlation between elevated RG_std values and documented UAP activity sessions is flagged as a high-probability propulsion event indicator.

Section I: Request and Supporting Materials

The observer requests that AARO review this submission in the context of the December 2024 FAA/DHS acknowledgment of the NJ/PA Northern Sky Corridor. The systematic nature of the observations, the quantitative repeatability of the electromagnetic signature finding, the behavioral evidence of organized corridor utilization, and the correlated conventional air traffic dataset collectively warrant formal assessment.

Supporting materials available upon request:

- Full video archive: 20+ MP4 files, September-December 2025, on external drive
- uap_scanner_v10.py source code and full detection logs (MASTER_SUMMARY.json)
- Per-session analysis reports and annotated detection images
- Conventional air traffic flight log - 826 screenshots, 98% timestamp recovery, all session dates

- UAP_Weather_Data.xlsx with atmospheric conditions cross-referenced to detection events
- Full scientific report (accompanying this submission)

The observer is prepared to provide additional information, video access, or in-person briefing as requested by AARO investigators.

Submitted in good faith for the public record

Jeromy West | Glenside, Pennsylvania | March 2026