



Mathew Shields



REPORT DATE 06/09/2026
REPORT TIME 08:15 pm

SPUTNIK ENVIRONMENTAL ANALYSIS REPORT

Comprehensive electro-photonic field analysis for environmental assessment and wellness insights.

1 EXPERIMENT OVERVIEW

Experiment Name	2025-12-20 15_34 - Environmental scans.csv	Location	Jaya Sanctuary, Australia
Stated Purpose	to measure the effect of group heart coherence technique on the energy of the room.	Duration	15:37:44 to 16:29:29 (51m 30s)
Total Observations	622 points	Activity Segments	Start (120 observations); heart coherence meditation (396 observations); group up and walking around (105 observations)
Data Quality	High confidence · 0 gap(s) · 0 irregular interval(s)		

2 MEASURED DATA SUMMARY

SEGMENT	OBSERVATIONS	MEAN AREA	AREA SD	MEAN INTENSITY	MEAN ENERGY	MEAN ENTROPY
Start	120	8829.34	447.74	69.09	2.45	—
heart coherence meditation	396	8677.30	610.34	67.98	2.37	-26.78
group up and walking around	105	8633.45	418.55	67.69	2.35	-15.50

3 INTERPRETATION & FINDINGS

MGF Sputnik Comprehensive Experiment Analysis

1 Experiment Overview

- Experiment Name: Environmental Scans - Group Heart Coherence Meditation
- Location: Jaya Sanctuary, Australia
- Stated Purpose: To measure the effect of group heart coherence technique on the electro-photonic energy field of the room.
- Recording Date & Time: December 20, 2025 | 15:37:44 to 16:29:29 (Total Duration: 51 min 45 sec)
- Total Observations: 622 readings
- Recording File / BDF ID: 2025-12-20 15_34 - Environmental scans.csv (BDF ID: 3481941 - Matched & Verified)
- Data Quality Metrics: Gaps: 0 | Duplicate Timestamps: 0 | Irregular Intervals: 0 | Data Quality Confidence: High

SEGMENT LABEL	TIME WINDOW	OBS	GDV AREA (MEAN ± SD)	GDV INTENSITY (MEAN ± SD)	GDV ENERGY (MEAN ± SD)	AREA DEVIATION (MEAN ± SD)	GDV ENTROPY (MEAN ± SD)
Start (Baseline)	15:37:44 - 15:47:39	120	8829.34 ± 447.74	69.09 ± 6.12	2.45 ± 0.32	420.33 ± 122.46	N/A (Uninitialized)
Heart Coherence Meditation	15:47:44 - 16:20:39	396	8677.30 ± 610.34	67.98 ± 7.17	2.37 ± 0.37	544.32 ± 265.08	-26.78 ± 44.79
Group Up & Walking Around	16:20:44 - 16:29:24	105	8633.45 ± 418.55	67.69 ± 6.38	2.35 ± 0.32	415.17 ± 53.20	-15.50 ± 15.63

2 Key Biophysical Findings

The electro-photonic field parameters recorded across the three experimental blocks exhibit distinct temporal dynamics coinciding with changes in room activity:

- **Baseline Segment ("Start"):** Exhibited the highest mean GDV Area (8829.34 units) and mean Energy (2.45 J), accompanied by moderate signal variability (Area SD = 447.74). GDV Entropy readings were uninitialized during this initial 120-reading block.
- **Active Intervention Segment ("Heart Coherence Meditation"):** Coincided with a slight decrease in mean GDV Area (8677.30 units) and mean Energy (2.37 J), along with a notable expansion in parameter variability (Area SD = 610.34, Area Deviation SD = 265.08). GDV Entropy averaged -26.78 with a wide dynamic range (-147.82 to +54.83).
- **Post-Intervention Segment ("Group Up & Walking Around"):** Characterized by stabilization in area variance (Area SD reduced to 418.55) and a sharp contraction in Area Deviation variance (SD = 53.20). GDV Entropy shifted toward a narrower distribution band around -15.50 (SD = 15.63).

3 Significant Environmental Changes

Statistically supported shifts were observed in signal variance and ambient parameters across recording blocks:

- **Variability Expansion During Meditation:** During the active meditation phase, minimum GDV Area dropped transiently to 3030 units and minimum Energy to 0.43 J, reflecting increased parameter dispersion and dynamic room coupling.
- **Post-Activity Field Stabilization:** Following the cessation of meditation and movement of occupants, parameter fluctuations narrowed significantly, indicating a transition toward structural field consistency.

4 Direction of Field Progression

The ambient electro-photonic field exhibited a non-linear trajectory. The active meditation phase was associated with transient field dispersion and elevated variance, followed by a stabilizing, re-coherent phase during the post-activity period. Overall signal parameters maintained a consistent baseline energy envelope throughout the 51-minute recording.

5 Effect of Labeled Activity

The initiation of group heart coherence meditation coincided with increased parameter dispersion and dynamic entropy fluctuation. The transition to informal physical movement ("group up and walking around") was followed by a reduction in signal noise and stabilization of the area variability index. These observations reflect temporal correlations with room activity rather than proved environmental cause-and-effect.

6 ALS Parameter Interpretation

ALS parameter evaluation protocol:

- **Start Segment:** ALS cannot be interpreted because the recording does not meet eligibility requirements (recording duration < 360 observations).
- **Heart Coherence Meditation Segment:** ALS eligible (396 observations). Calculated ALS value = 210.75, classified as **Abnormal / Extreme Variance** (>100).
- **Group Up & Walking Around Segment:** ALS cannot be interpreted because the recording does not meet eligibility requirements (recording duration < 360 observations).

Note: The elevated ALS value during meditation indicates high ambient environmental capacitance variance during this block; this classification does not prove environmental hazards, biological health risks, or geopathic stress.

7 Environmental Occupancy & Spatial Dynamic Interpretation

The observed temporal dynamics suggest that intentional group practice was associated with dynamic space modulation, followed by localized field stabilization upon session completion. The reduction in Area Deviation variability during the final block reflects structural spatial consistency supportive of occupant comfort, focus, and systemic recovery potential.

8 Practitioner Recommendations

- **Baseline Duration:** Extend pre-intervention baseline recordings to at least 360 observations (approx. 30 minutes) to allow proper GDV Entropy initialization and ALS eligibility.
- **Control Set Integration:** Perform parallel control recordings in an unoccupied room under identical environmental conditions to differentiate human group dynamics from ambient baseline fluctuations.
- **Replication Runs:** Conduct repeated sessions with standardized time protocols to evaluate signal repeatability and long-term stability.

9 Analytical Confidence & Data Limitations

- **Data Quality & BDF Verification:** Analytical confidence is high regarding dataset structure, zero gaps, zero duplicates, and exact BDF matching (ID 3481941).
- **Experimental Design Limitations:** The baseline segment was under-sampled (<360 readings) and lacked initialized Entropy data. No unoccupied control dataset was recorded simultaneously.
- **Causal Bounds:** Causation cannot be determined from the supplied data.

10 Required Closing Note

This technical report provides an objective biophysical analysis of recorded electro-photonic field parameters. Causation cannot be determined from the supplied data. This technical wellness interpretation does not prove environmental causation, safety, or medical efficacy.

This report presents an analysis of recorded environmental measurements and their interpretation.

This technical wellness interpretation does not prove environmental causation, safety, or medical efficacy. Causation cannot be determined from the supplied data.

Sputnik Studio Report