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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 energy of the room.
- **Labeled Activity:** A small group conducted a heart coherence meditation. The Sputnik antenna measured spatial energy changes from baseline ("Start"), active meditation ("heart coherence meditation"), through post-meditation movement ("group up and walking around") to session "End".
- **Total Duration:** 51 minutes 45 seconds (15:37:44 to 16:29:29 | Total Observations: 622)
- **Activity Labels:**
 - "Start" (Baseline / No Meditation): 15:37:44 – 15:47:39 (120 obs, 595 s)
 - "heart coherence meditation" (Active Meditation): 15:47:44 – 16:20:39 (396 obs, 1975 s)
 - "group up and walking around" (Post-Meditation Movement): 16:20:44 – 16:29:24 (105 obs, 520 s)
 - "End": 16:29:29
- **Data Quality Metrics:** Gaps: 0 | Duplicate Timestamps: 0 | Irregular Intervals: 0 | Data Quality Confidence: High | BDF Match ID: 3481941 (Precision Verified)

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	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 and 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

Quantitative evaluation across the three consecutive environmental recording blocks reveals distinct electro-photonic field behaviors:

- Baseline Field Profile ("Start"):** The initial un-meditated environment displayed the highest mean GDV Area (8829.34 units) and mean GDV Energy (2.45 J), alongside a moderate Area Deviation mean of 420.33. GDV Entropy was uninitialized during this 120-observation block.
- Active Intervention Phase ("heart coherence meditation"):** Coincided with an increase in overall field parameter dispersion. Mean GDV Area decreased slightly to 8677.30 units, while sample standard deviation expanded from 447.74 to 610.34. Area Deviation increased to a mean of 544.32 (SD = 265.08), recording a maximum peak deviation of 1458.69. Valid GDV Entropy averaged -26.78 with high variability (SD = 44.79; range: -147.82 to 54.83).
- Post-Intervention Integration Phase ("group up and walking around"):** Characterized by significant parameter stabilization. Although mean GDV Area (8633.45 units) and Energy (2.35 J) remained near meditation levels, parameter variance contracted substantially: Area Deviation SD fell from 265.08 to 53.20, and GDV Entropy SD narrowed from 44.79 to 15.63 (mean: -15.50).

3 Significant Environmental Changes

Statistically supported shifts across the recording sequence demonstrate two distinct environmental field transitions:

- Dynamic Field Dispersion during Meditation:** The initiation of group heart coherence meditation was associated with a temporary widening of parameter extremums (GDV Area min dropped to 3030 units; GDV Energy min dropped to 0.43 J) and an elevated Area Deviation mean (544.32 vs. 420.33 baseline).
- Structural Variance Contraction Post-Meditation:** Following the cessation of meditation, physical movement in the room coincided with a sharp reduction in field variance (Area Deviation max dropped from 1458.69 during meditation to 502.25). This represents a marked transition toward temporal stability in ambient capacitance.

4 Direction of Field Progression

The environmental field exhibited a non-linear trajectory across the trial:

- Initial Progression (Baseline → Meditation):** Shifted from a higher-energy, moderately uniform baseline into a high-variance, dynamically fluctuating state during intentional group practice.
- Secondary Progression (Meditation → Post-Meditation Movement):** Transitioned from a high-dispersion state toward structural parameter stabilization, characterized by minimal deviation variance (SD = 53.20) and a more tightly constrained entropy envelope (-15.50 ± 15.63).

5 Effect of Labeled Activity

Temporal alignment with recorded activity logs reveals:

- Group Heart Coherence Meditation:** Coincided with heightened environmental field sensitivity, increased parameter spread, and extreme local variance peaks (ALS classification: Abnormal).
- Physical Movement / Dispersion ("group up and walking around"):** Was followed by immediate reduction in signal noise and stabilization of the area variability index, suggesting an environmental field settling phase after group practice cessation.

6 ALS Parameter Interpretation

ALS (Ambient Light Sensor / Parameter) screening protocol evaluation:

- Start Segment:** ALS cannot be interpreted because the recording does not meet eligibility requirements (recording duration < 360 observations; count = 120).
- Heart Coherence Meditation Segment:** ALS eligible (`als\_eligible` = true`, observations = 396). Calculated ALS value = 210.75, yielding a classification of **Abnormal / Extreme Variance** (>100).
- Group Up and Walking Around Segment:** ALS cannot be interpreted because the recording does not meet eligibility requirements (recording duration < 360 observations; count = 105).

Note: The elevated ALS value during meditation reflects extreme environmental capacitance variance during active practice; this classification does not prove environmental hazards, biological health risks, or geopathic stress.

7 Environmental Occupancy & Spatial Dynamic Interpretation

The observed spatial dynamics indicate that intentional group meditation coincided with an active excitation phase in room energy parameters, followed by a settling effect during post-meditation movement. The marked reduction in Area Deviation variability (SD 53.20) in the final phase suggests a structurally stable, coherent spatial environment supportive of occupant comfort and systemic recovery potential after group activity.

8 Practitioner Recommendations

- **Baseline Protocol Standardization:** Extend pre-intervention baseline scans to at least 360 observations (~30 minutes) to allow complete GDV Entropy initialization and fulfill ALS eligibility criteria prior to testing.
- **Control Set Integration:** Perform simultaneous or sequential control scans in an unoccupied adjacent space under identical ambient conditions to isolate human group coherence effects from natural background field drifts.
- **Post-Activity Observation Window:** Maintain a minimum 360-observation (~30-minute) post-meditation stationary window (without movement) to evaluate the true duration and decay curve of field stabilization.

9 Analytical Confidence & Data Limitations

- **Confidence Assessment:** High confidence regarding data cleanliness, zero timestamp gaps, zero duplicates, and verified BDF signal matching (ID 3481941).
- **Data Limitations:**
 - Baseline segment was under-sampled (<360 readings) and lacked initialized entropy readings.
 - Absence of an un-meditated, group-occupied control set or parallel unoccupied reference room.
 - Single experimental run without repeated trial comparison sets.
- **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.

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Sputnik Studio Report