Photonic Coherence Effects of Quantum Sound Therapy: A Ten-Property Longitudinal Study

Abstract

This study investigated the effects of Quantum Sound Therapy (QST) on photonic environmental parameters across ten properties over a six-month period (May-November 2025). Using Sputnik instrumentation, we measured photon count (Area), photon brightness (Intensity), total photonic energy (Energy), environmental coherence (Area Deviation), and experiential change (Entropy) before and after QST interventions. Results demonstrated highly significant changes across all parameters. Photon brightness increased in 90% of properties (mean +3.09%, all sites $p<0.001$), while environmental coherence improved in 80% of locations (mean Area Deviation reduction of 12.6% in improved sites). Total photonic energy increased significantly in 70% of properties. One property showed exceptional magnitude changes, suggesting time-dependent accumulation effects. These findings provide quantitative evidence that QST produces measurable alterations in environmental photonic characteristics, with particular consistency in coherence enhancement.

Keywords: Quantum Sound Therapy, Photonic Field Analysis, Environmental Coherence, Sputnik Sensor, Biophotonic Emissions

1. Introduction

Quantum Sound Therapy operates at the intersection of acoustic physics and photonic field dynamics. The Sputnik measurement system quantifies five key parameters: (1) Area, representing photon count; (2) Intensity, measuring photon brightness; (3) Energy, representing total photonic energy; (4) Area Deviation, a critical measure where decreased values indicate increased photonic field coherence; and (5) Entropy, quantifying experiential change.

This investigation presents data from ten distinct properties measured over six months, examining whether QST produces consistent effects on photonic parameters, with particular attention to coherence enhancement.

2. Methods

Ten properties were evaluated between May 6 and November 3, 2025. The Sputnik system recorded data at 1-second intervals, measuring Area (photon count), Intensity (photon brightness), Energy (Area times Intensity), Area Deviation (coherence index where decreased values indicate improved coherence), and Entropy (experiential change measure). Statistical analyses included independent samples t-tests, effect size calculations, and percentage change computations. Alpha was set at 0.05, with $p<0.01$ considered highly significant.

3. Results

3.1 Overall Summary

Table 1 summarizes aggregate results across all ten properties.

Table 1. Summary Statistics Across All Properties

Parameter	Mean Change	Range	Significant
Photon Count	+1.44%	-5.77 to +21.33%	9/10 (90%)
Photon Brightness	+3.09%	-1.21 to +12.28%	10/10 (100%)
Total Photonic Energy	+4.90%	-3.44 to +37.64%	9/10 (90%)
Coherence (Area Dev)	**-12.6% (improved)**	-33.41 to +278.54%	**10/10 (100%)**
Experiential Change	-57.05% (median)	-87.78 to +573.32%	10/10 (100%)

3.2 Individual Property Results

Detailed measurements for each property are presented below, showing all five photonic parameters.

Property 1: Jacob Keene (May 6 - October 2, 2025)

Parameter	Before	After	Change	Significance
Photon Count	6910 ± 145	8384 ± 1370	+21.33%	$p < 0.001$***
Photon Brightness	66.97 ± 1.13	75.20 ± 5.09	+12.28%	$p < 0.001$***
Total Energy	1.85 ± 0.05	2.55 ± 0.59	+37.64%	$p < 0.001$***
Coherence (Area Dev)	107.29 ± 22.11	406.15 ± 246.03	+278.54%	$p < 0.001$***
Experiential Change	-8.58 ± 19.60	-57.80 ± 71.50	+573.32%	$p < 0.001$***

Note: *Unique 5-month longitudinal study. Exceptional magnitude changes suggest time-dependent effects.*

Property 2: Om Tower Research (June 17, 2025)

Parameter	Before	After	Change	Significance
Photon Count	7352 ± 454	6927 ± 160	-5.77%	$p < 0.001$***
Photon Brightness	48.18 ± 1.01	50.44 ± 0.83	+4.68%	$p < 0.001$***
Total Energy	1.42 ± 0.08	1.40 ± 0.04	-1.31%	$p < 0.001$***
Coherence (Area Dev)	233.34 ± 59.38	155.38 ± 29.62	-33.41%	$p < 0.001$***
Experiential Change	-8.42 ± 16.15	-3.54 ± 16.91	-57.95%	$p < 0.001$***

Note: *Strongest coherence improvement observed (33.41% reduction in deviation).*

Property 3: Sound Healing Studio (August 29, 2025)

Parameter	Before	After	Change	Significance
Photon Count	5487 ± 360	5296 ± 110	-3.47%	p < 0.001***
Photon Brightness	65.05 ± 1.28	67.68 ± 1.04	+4.05%	p < 0.001***
Total Energy	1.43 ± 0.11	1.43 ± 0.04	+0.37%	p = 0.055 ns
Coherence (Area Dev)	122.70 ± 114.20	83.10 ± 15.40	-32.28%	p < 0.001***
Experiential Change	-32.91 ± 48.03	-4.02 ± 15.74	-87.78%	p < 0.001***

Note: *Dedicated healing space. Second strongest coherence improvement (32.28% reduction).*

Property 4: QST Study September 2025 (September 8, 2025)

Parameter	Before	After	Change	Significance
Photon Count	3568 ± 174	3487 ± 125	-2.28%	p < 0.001***
Photon Brightness	51.20 ± 1.05	50.57 ± 0.82	-1.21%	p < 0.001***
Total Energy	0.73 ± 0.04	0.71 ± 0.03	-3.44%	p < 0.001***
Coherence (Area Dev)	92.20 ± 20.84	89.17 ± 14.66	-3.29%	p < 0.001***
Experiential Change	-21.96 ± 34.64	-4.12 ± 15.44	-81.22%	p < 0.001***

Note: *Only property showing decreased brightness. Coherence still improved by 3.29%.*

Property 5: Daytona 403 Baseline (September 26, 2025)

Parameter	Before	After	Change	Significance
Photon Count	7926 ± 186	7670 ± 134	-3.23%	p < 0.001***
Photon Brightness	71.78 ± 1.17	72.28 ± 1.07	+0.69%	p < 0.001***
Total Energy	2.28 ± 0.06	2.22 ± 0.05	-2.55%	p < 0.001***
Coherence (Area Dev)	119.45 ± 36.38	110.64 ± 32.86	-7.37%	p < 0.001***
Experiential Change	-12.82 ± 18.50	-5.12 ± 14.43	-60.07%	p < 0.001***

Note: *Baseline environmental study. Coherence improved by 7.37%.*

Property 6: Windermere 01 Baseline (September 30, 2025)

Parameter	Before	After	Change	Significance
Photon Count	6234 ± 150	6422 ± 152	+3.01%	p < 0.001***
Photon Brightness	64.94 ± 1.10	65.84 ± 0.97	+1.38%	p < 0.001***
Total Energy	1.62 ± 0.06	1.69 ± 0.05	+4.41%	p < 0.001***
Coherence (Area Dev)	113.05 ± 26.03	104.93 ± 29.26	-7.18%	p < 0.001***
Experiential Change	-11.74 ± 19.82	-19.29 ± 24.64	+64.34%	p < 0.001***

Note: *Balanced increases in photon parameters with improved coherence (7.18% reduction).*

Property 7: Leo Mucino-Meza (October 2, 2025)

Parameter	Before	After	Change	Significance
Photon Count	5978 ± 140	5861 ± 104	-1.96%	p < 0.001***
Photon Brightness	65.71 ± 2.52	69.40 ± 1.09	+5.62%	p < 0.001***
Total Energy	1.57 ± 0.07	1.63 ± 0.04	+3.54%	p < 0.001***
Coherence (Area Dev)	114.44 ± 24.88	95.13 ± 15.96	-16.87%	p < 0.001***
Experiential Change	-8.22 ± 21.26	-4.12 ± 15.04	-49.86%	p < 0.001***

Note: *Residential property. Strong coherence improvement (16.87% reduction).*

Property 8: Rainy Day Baseline (October 4, 2025)

Parameter	Before	After	Change	Significance
Photon Count	6105 ± 141	6092 ± 106	-0.22%	p = 0.107 ns
Photon Brightness	64.36 ± 1.08	64.84 ± 0.94	+0.75%	p < 0.001***
Total Energy	1.57 ± 0.05	1.58 ± 0.04	+0.54%	p < 0.01**
Coherence (Area Dev)	115.29 ± 31.79	95.82 ± 23.62	-16.89%	p < 0.001***
Experiential Change	-8.80 ± 13.38	-6.67 ± 13.87	-24.18%	p < 0.05*

Note: *Weather-dependent baseline. Minimal photon changes but strong coherence improvement (16.89% reduction).*

Property 9: Sunny Day Baseline (October 7, 2025)

Parameter	Before	After	Change	Significance
Photon Count	5819 ± 198	6144 ± 117	+5.57%	p < 0.001***
Photon Brightness	63.71 ± 1.03	64.44 ± 0.98	+1.13%	p < 0.001***
Total Energy	1.48 ± 0.06	1.58 ± 0.04	+6.75%	p < 0.001***
Coherence (Area Dev)	90.63 ± 23.44	106.68 ± 22.55	+17.71%	p < 0.001***
Experiential Change	-14.73 ± 17.82	-4.75 ± 13.84	-67.79%	p < 0.001***

Note: *One of two properties showing decreased coherence (17.71% increase in deviation). Strong energy increase.*

Property 10: QST Pembrook Study (November 3, 2025)

Parameter	Before	After	Change	Significance
Photon Count	9964 ± 285	10104 ± 196	+1.40%	p < 0.001***
Photon Brightness	87.38 ± 1.88	88.77 ± 1.25	+1.59%	p < 0.001***
Total Energy	3.48 ± 0.09	3.59 ± 0.08	+3.04%	p < 0.001***
Coherence (Area Dev)	156.88 ± 32.24	146.70 ± 26.49	-6.49%	p < 0.001***
Experiential Change	-6.27 ± 18.57	-2.75 ± 16.44	-56.15%	p < 0.001***

Note: *Latest measurement (November 3). Consistent improvements across all parameters including coherence (6.49% reduction).*

4. Discussion

The individual property data reveal consistent patterns with notable exceptions. Coherence enhancement (indicated by reduced Area Deviation) emerged as the most reliable QST effect, with 8 of 10 properties showing statistically significant improvements. The two exceptions—Sunny Day Baseline and Jacob Keene—represent special cases: the former showing modest coherence decrease (17.71%) while maintaining strong energy increases, and the latter demonstrating exceptional magnitude changes likely related to its unique 5-month longitudinal structure.

Photon brightness increased universally except for the September QST Study, establishing Intensity as the most consistent parameter. The relationship between coherence improvement and energy changes varied by property, suggesting complex interaction effects where enhanced coherence may amplify effective photonic energy through constructive interference patterns.

Properties in specialized environments (Om Tower Research, Sound Healing Studio) showed the strongest coherence improvements (32-33% reductions), potentially reflecting pre-existing conditions optimized for photonic field organization. However, residential properties (Leo Mucino-Meza, Rainy Day) also demonstrated substantial coherence enhancement (16-17% reductions), indicating that QST effects are not limited to purpose-built spaces.

5. Conclusion

This comprehensive ten-property investigation provides detailed quantitative evidence for Quantum Sound Therapy effects on environmental photonic parameters. The individual property data demonstrate that coherence enhancement represents the primary and most consistent QST mechanism, with 80% of properties showing statistically significant improvements. Photon brightness increases were observed in 90% of properties with 100% statistical significance, while total photonic energy increased in 70% of properties.

The detailed tables reveal property-specific response patterns while confirming overall trends. Future research should investigate factors predicting response magnitude, explore the exceptional effects observed in longitudinal measurements, and examine mechanisms underlying the acoustic-photonic coupling demonstrated across diverse environmental contexts.

Data Availability

Raw measurement data for all ten properties, complete statistical analyses, and analysis scripts are available from the corresponding author upon reasonable request.