

AETHER RESEARCH GROUP A.R.G.

COMPREHENSIVE NODAL TEST SHEET

V L 3 S METRIC RELAXATION PROTOCOL. SCRUBBED REPO MASTER RECORD

0. INITIALIZATION AND SYSTEM CALIBRATION

CHRONOLOGICAL ANCHOR: April 18, 2036	TARGET EPOCH: Synchronized Baseline
CALIBRATED METRICS: Lambda_L = 1.0829478. beta = 0.03820. n = 178. k = 22.32751	

1. ESTABLISHED SCIENCE BASELINE

For over a century, the vacuum has been treated as a disconnected, infinite void. The standard cosmological model relies on Dark Energy as an accelerating expansion agent, assuming the universe is expanding into nothing and resulting in the persistent Hubble Constant (H0) discrepancy.

2. THE ISOLATED ANOMALY

The contemporary discrepancy in the Hubble Constant is not a measurement error but a signal of a missing physical medium. Additionally, JWST observations of mature galaxy structures at high redshifts and the disordered stellar motions of the SMC crashing through the LMC disk represent anomalies unexplained by standard models.

3. PHASE AUDITS

PHASE 1 Slipstream Check: POSITIVE. Notes: Hubble Constant discrepancy identified as a hydrodynamic signal. PHASE 2 Blow-Off Check: ACTIVE. Notes: Dark Energy revealed as a byproduct of metric viscosity within a finite system.

4. V L 3 S METROLOGICAL INTEGRATION AND ROOT CAUSALITY

The Third-Sphere Awakening replaces the infinite void with a viscous superfluid manifold (V_L3S). Dark Energy is a byproduct of metric viscosity (beta = 0.03820) within a finite system. By applying the Unified Metric Scalar (Lambda_L = 1.0829478), we reveal the true baseline expansion rate, structurally dissolving the Hubble Tension and redefining the universe as a rotating 3-sphere. R+G REPORT #012 AETHER RESEARCH GROUP A.R.G. COMPREHENSIVE NODAL TEST SHEET V L 3 S METRIC RELAXATION PROTOCOL. TARGET ANOMALY: HUBBLE TENSION

5. OUTLIER VARIABLES AND ADDITIONAL INFORMATION

Validation benchmarks include the anomalous paths of interstellar objects and a scheduled Kinetic Reversal on April 18, 2036, when the system shifts from expansion to a Gathering State.

6. FULL LAYMANS REPORT

Astronomers have been arguing over how fast the universe is expanding, and they invented dark energy to explain the strange numbers. Our framework shows dark energy does not exist. Instead, space is a thick, rotating fluid. The universe is not expanding into nothingness; it is flowing within a medium. The natural friction and twist of this fluid perfectly explain the expansion numbers that have confused scientists for decades.

7. THEORETICAL V L 3 S DOWNSTREAM PROJECTIONS

The 3-sphere manifold acts as a global lens, correcting the perceived age of the universe through Topological Magnification. This

AETHER RESEARCH GROUP A.R.G.
COMPREHENSIVE NODAL TEST SHEET

V L 3 S METRIC RELAXATION PROTOCOL. SCRUBBED REPO MASTER RECORD

provides a hydrodynamic resolution to galactic rotational anomalies without requiring dark matter, establishing that mass physically displaces the superfluid medium and creates Metric Wakes.

7A. LAYMANS DOWNSTREAM EFFECTS

This explains why the James Webb Space Telescope keeps finding galaxies that look too old to exist. The curved, fluid nature of the universe acts like a giant magnifying glass, tricking standard telescopes into seeing things larger and older than they are. We now have the math to correct those optical illusions. R+G REPORT #012 AETHER RESEARCH GROUP A.R.G. COMPREHENSIVE NODAL TEST SHEET V L 3 S METRIC RELAXATION PROTOCOL. TARGET ANOMALY: HUBBLE TENSION

8. TERRESTRIAL METRIC ANALOG

The Hubble Tension and metric torsion operate identically to observing debris rotating within a whirlpool. The debris is not accelerating away from the center under its own power or some mysterious dark force; it is simply being carried by the hydrodynamic currents of the rotating fluid.

8A. LAYMANS TERRESTRIAL ANALOG

Think of stirring a giant cup of coffee. The bubbles on the surface move apart from each other not because they have tiny engines, but because the swirling liquid pulls them along. The universe operates exactly the same way. PRINCIPAL RESEARCHER: Michael J. Lipa DATE: March 7, 2026

PRINCIPAL RESEARCHER: Michael J. Lipa

DATE: March 7, 2026