



THE EPPLEY LABORATORY, INC.

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Calibration Certificate

Instrument: Eppley PIR Pyrgeometer #35116F3

Procedure: This pyrgeometer was compared against Eppley's Blackbody Calibration System at approximately 5 and 15 °C with the instrument temperature at 21°C according to procedures described in Technical Procedure, TP05 of The Eppley Laboratory, Inc.'s Quality Assurance Manual on Calibrations. The results relate only to the items tested, calibrated or sampled.

Results: **Sensitivity: $S = 3.79 \mu\text{V} / \text{Wm}^{-2}$**
Uncertainty: $U_{95} = \pm 1.70\%$ (95% confidence level, $k=2$)
Resistance: 648 Ω at 23°C

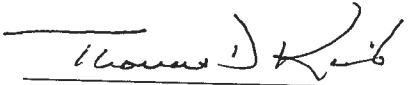
Date of Test: December 1, 2023

Transfer Standard: Eppley PIR Pyrgeometer #32227F3

Traceability: PIR #32227F3 was calibrated directly against the World Infrared Standard Group (WISG) of pyrgeometers housed at the Infrared Radiometry Section of the World Radiation Centre (WRC-IRS) under Longwave Downward Irradiances of 253 – 307 Wm^{-2} and a Temperature Range of 5–15 °C. Unless otherwise stated in the remarks section below or on the Sales Order, the results of this calibration are "AS FOUND / AS LEFT".

Due Date: Eppley recommends a minimum calibration cycle of five (5) years but encourages annual calibrations for highest measurement accuracy.

Customer: URI
Narragansett, RI

In Charge of Test: 

Eppley SO: 68138

Date of Certificate: December 4, 2023

Remarks: