



# THE EPPLEY LABORATORY, INC.

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## Calibration Certificate

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Instrument: Eppley PIR Pyrgeometer #30606F3

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:  $S = 3.92 \mu\text{V} / \text{Wm}^{-2}$**   
Uncertainty:  $U_{95} = \pm 1.70\%$  (95% confidence level,  $k=2$ )  
Resistance: 722  $\Omega$  at 23°C

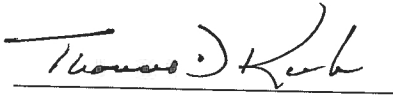
Date of Test: December 1, 2023

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  $\text{Wm}^{-2}$  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: