EPLAB

# THE EPPLEY LABORATORY, INC.

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## Calibration Certificate

Instrument: Precision Infrared Radiometer, Model PIR, Serial Number 30606F3

Procedure: This pyrgeometer was compared against Eppley's Blackbody Calibration System under radiation intensities of approximately 350 $Wm^{-2}$ with an average ambient temperature of 21°C according to procedures described in Technical Procedure, TP05 of The Eppley Laboratory, Inc.'s Quality Assurance Manual on Calibrations.

Transfer Standard: Eppley Precision Infrared Radiometer, Model PIR, Serial Number 32227F3

Results:

**Sensitivity:** **$S = 3.80\ \mu V / Wm^{-2}$**
Uncertainty: $U_{95} = \pm 1.7\%$ (95% confidence level, k=2)
Resistance: 723 Ω at 23°C

Date of Test: November 11, 2022

Traceability: This calibration is traceable to the International Practical Temperature Scale (IPTS). Additionally, transfer standard PIR #32227F3 provides traceability to the World Infrared Standand Group (WISG) of pyrgeometers housed at the Infrared Radiometry Section of the World Radiation Centre (WRC-IRS). 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 // RMR
Narragansett. RI // Seattle, WA

In Charge of Test: Thomas D Kuh

Eppley SO: 67149

Date of Certificate: November 11, 2022

Remarks:

*End of Report*