



# THE EPPLEY LABORATORY, INC.

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## Calibration Certificate

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Instrument: Precision Infrared Radiometer, Model PIR, Serial Number 38138F3

Procedure: This pyrgeometer was compared against Eppley's Blackbody Calibration System under radiation intensities of approximately  $350 \text{ Wm}^{-2}$  with an average ambient temperature of  $24^{\circ}\text{C}$  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:**  $S = 3.10 \mu\text{V} / \text{Wm}^{-2}$   
**Uncertainty:**  $U_{95} = \pm 1.7\%$  (95% confidence level,  $k=2$ )  
**Resistance:**  $654 \Omega$  at  $23^{\circ}\text{C}$

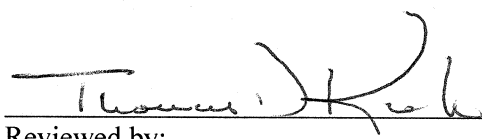
Date of Test: April 2, 2018

Traceability: This calibration is traceable to the International Practical Temperature Scale (IPTS). Additionally, transfer standard PIR #32227F3 provides traceability to the World Infrared Standard 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: WHOI  
Woods Hole, MA

Signatures:  In Charge of Test:

 Reviewed by:

Eppley SO: 65181

Date of Certificate April 3, 2018

Remarks: