



# THE EPPLEY LABORATORY, INC.

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## Calibration Certificate *RAD 1*

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Instrument: Precision Spectral Pyranometer, Model PSP, Serial Number 35149F3

Procedure: This pyranometer was compared in Eppley's Integrating Hemisphere according to procedures described in **ISO 9847 Section 5.3.1** and Technical Procedure, TP01 of The Eppley Laboratory, Inc.'s Quality Assurance Manual on Calibrations.

Transfer Standard: Eppley Standard Precision Pyranometer, Model SPP, Serial Number 37501F3

Results: **Sensitivity:  $S = 8.18 \mu\text{V} / \text{Wm}^{-2}$**   
Uncertainty:  $U_{95} = \pm 0.91\%$  (95% confidence level,  $k=2$ )  
Resistance:  $726 \Omega$  at  $23^\circ\text{C}$

Date of Test: January 12, 2018

Traceability: This calibration is traceable to the World Radiation Reference (WRR) through comparisons with Eppley's AHF standard self-calibrating cavity pyrhemometers which participated in the Twelfth International Pyrhemometric Comparisons (IPC XII) at Davos, Switzerland in September-October 2015. 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

Signatures: *Debra L. Gentry* In Charge of Test: *Thomas J. Kelly* Reviewed by:

Eppley SO: 65127

Date of Certificate January 19, 2018

Remarks: