



THE EPPLEY LABORATORY, INC.

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Calibration Certificate *RAD 2 PORT SS PLATE*

Instrument: Precision Spectral Pyranometer, Model PSP, Serial Number 30600F3

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:** $S = 7.82 \mu V / W m^{-2}$
Uncertainty: $U_{95} = \pm 0.91\%$ (95% confidence level, $k=2$)
Resistance: 729Ω at $23^{\circ}C$

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. Keil* Reviewed by:

Eppley SO: 65127

Date of Certificate January 19, 2018

Remarks: