



THE EPPLEY LABORATORY, INC.

12 Sheffield Avenue, PO Box 419, Newport, Rhode Island USA 02840
Phone: 401.847.1020 Fax: 401.847.1031 Email: info@eppleylab.com

Calibration Certificate

Instrument: Precision Spectral Pyranometer, Model PSP, Serial Number 31246F3

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 Precision Spectral Pyranometer, Model PSP, Serial Number 21231F3

Results: **Sensitivity:** $S = 8.25 \mu\text{V} / \text{Wm}^{-2}$
Uncertainty: $U_{95} = \pm 0.91\%$ (95% confidence level, $k=2$)
Resistance: 680Ω at 23°C

Date of Test: September 2, 2014

Traceability: This calibration is traceable to the World Radiation Reference (WRR) through comparisons with Eppley's AHF standard self-calibrating cavity pyrheliometers which participated in the Eleventh International Pyrheliometric Comparisons (IPC XI) at Davos, Switzerland in September-October 2010. 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: University of Hawaii Marine Center
Honolulu, HI

Signatures: *Diana L. Givisty* In Charge of Test: *Thomas D. Kirk* Reviewed by:

Eppley SO: 64211

Date of Certificate: September 8, 2014

Remarks:

End of Report

