

Bibliographic References

ROLO Bibliography

- T. Berkoff, M. Sorokin, T. Stone, T. Eck, R. Hoff, E. Welton and B. Holben, "Nocturnal Aerosol Optical Depth Measurements with a Small Aperture Photometer Using the Moon as a Light Source," *J. Atmos. and Oceanic Tech.* **28**, 1297–1306 (2011)
- B. J. Buratti, M. D. Hicks, J. Nettles, M. Staid, C. M. Pieters, J. Sunshine, J. Boardman and T. C. Stone, "A wavelength-dependent visible and infrared spectrophotometric function for the Moon based on ROLO data," *J. Geophys. Res.–Planets* **116**, E00G03, doi: 10.1029/2010JE003724 (2011)
- Jay D. Goguen, T. C. Stone, H. H. Kieffer and Bonnie J. Buratti, "A New Look at Photometry of the Moon," *Icarus* **208**, 548–557 (2010)
- T. C. Stone, "Stellar Calibration of the ROLO Lunar Radiometric Reference," *Proc. SPIE* **7807**, 7807T-1–10 (2010)
- T. C. Stone, "Absolute Stellar Photometry on Moderate-resolution FPA Images," *Metrologia* **46**, S224–S227 (2009)
- T. C. Stone, "Radiometric Calibration Stability and Inter-calibration of Solar-band Instruments in Orbit Using the Moon," *Proc. SPIE* **7081**, 70810X-1–8 (2008)
- T. C. Stone, "Use of the Moon for in-flight calibration stability monitoring," Committee on Earth Observing Satellites (CEOS) Quality Assurance Framework for Earth Observation (QA4EO) Guideline/Procedures document (2008) http://calvalportal.ceos.org/cvp/c/document/library/get_file?uuid=deec2c87-821d-4a59-8c90-61e4b1aced4e&groupId=10136
- T. Stone, "The Moon as a Calibration Source," in *Achieving Satellite Instrument Calibration for Climate Change*, G. Ohring, ed. (T. Stone, contributing author), NOAA publication (2007) <http://www.star.nesdis.noaa.gov/star/documents/ASIC3-071218-webversfinal.pdf>
- Thomas C. Stone, "Radiometric Calibration Stability and Inter-calibration of Solar-band Instruments in Orbit Using the Moon," *Proc. SPIE* **7081** 70810X-1-8 (2008)
- T. C. Stone and H. H. Kieffer, "Use of the Moon to support on-orbit sensor calibration for climate change measurements," *Proc. SPIE* **6296** 62960Y-1-9 (2006)
- Hugh H. Kieffer and Thomas C. Stone, "The Spectral Irradiance of the Moon", *Astronom. J.* **129**, 2887-2901 (2005)
- T.C. Stone, H.H. Kieffer, and I.F. Grant, "Potential for Calibration of Geostationary Meteorological Satellite Imagers using the Moon", *Proc. SPIE* **5882** (2005)
- T.C. Stone and H.H. Kieffer, "Assessment of Uncertainty in ROLO Lunar Irradiance for On-orbit Calibration", *Proc. SPIE* **5542**, 300-310 (2004)
- T. C. Stone, H. H. Kieffer, and K. J. Becker, "Modeling the Radiance of the Moon for On-orbit Calibration", *Proc. SPIE* **5151**, 463-470 (2003)
- H.H. Kieffer, T.C. Stone, R.A. Barnes, S.C. Bender, R.E. Eplee, J.A. Mendenhall and L. Ong, "On-orbit Radiometric Calibration Over Time and Between Spacecraft Using the Moon", *Proc. SPIE* **4881**, 287-298 (2003)
- T.C. Stone and H.H. Kieffer, "Absolute Irradiance of the Moon for On-orbit Calibration", *Proc. SPIE* **4814**, 211-221 (2002)
- T.C. Stone, H.H. Kieffer, and J.M. Anderson, "Status of Use of Lunar Irradiance for On-orbit Calibration", *Proc. SPIE* **4483**, 165-175 (2002)
- J.M. Anderson, H. Kieffer, and K. Becker, "Modeling the brightness of the Moon over 350-2500 nm for spacecraft calibrations", *Proc. SPIE* **4169**, 248-259 (2000)
- H.H. Kieffer, J.M. Anderson, and K.J. Becker, "Radiometric Calibration of Spacecraft using Small Lunar Images", *Proc. SPIE* **3870**, 193-205 (1999)

- J.M. Anderson and H.H. Kieffer, "Photometric Imaging of the Moon from the Robotic Lunar Observatory", in Workshop on New Views of the Moon II: Understanding the Moon Through the Integration of Diverse Datasets, 2-24, Sep. 1999
- J.M. Anderson, K.J. Becker, H.H. Kieffer, and D.N. Dodd, "Real-Time Control of the Robotic Lunar Observatory Telescope", Pub. Astronomical Soc. Pacific **111**, 737-749 (1999)
- H.H. Kieffer and J.M. Anderson, "Use of the Moon for spacecraft calibration over 350--2500 nm", Proc. SPIE **3498**, 325-335 (1998)
- H.H. Kieffer, "Photometric Stability of the Lunar Surface", Icarus **130**, 323-327 (1997)
- H.H. Kieffer and R.L. Wildey, "Establishing the Moon as a Spectral Radiance Standard", J. Atmospheric and Oceanic Technology **13**, 2, 360-375 (1996)
- H. Kieffer and R. Wildey, "Use of the Moon for calibration", CEOS CAL/VAL newsletter **4** (1994)
- R.L. Wildey and H.H. Kieffer, "A new facility for absolute photometric imaging of the Moon", Bull. American Astronomical Society **25**, 1089 (1993)
- H.H. Kieffer and R.L. Wildey, "Spectrophotometry of the Moon for calibration of space-borne imaging instruments", Proc. Lunar and Plan Sci. Conf. number 23, Abstracts, 687-688 (1992)
- H.H. Kieffer and R.L. Wildey, "Absolute Calibration of Landsat Instruments Using the Moon", Photogramm. Eng. Remote Sens. **51**, 1391-1393 (1985)

Related Lunar Calibration Papers

- R. E. Eplee Jr., S. W. Bailey, R. A. Barnes, H. H. Kieffer, and C. R. McClain, "Comparison of SeaWiFS On-orbit Lunar and Vicarious Calibrations," Proc. SPIE 6296 (2006)
- X. Wu, T. C. Stone, F. Yu, and D. Han, "Vicarious calibration of GOES Imager visible channel using the Moon", Proc. SPIE 6296 (2006)
- F. S. Patt, R. E. Eplee, R. A. Barnes, G. Meister, and J. J. Butler, "Use of the Moon as a calibration reference for NPP VIIRS," Proc. SPIE 5882 (2005)
- R. A. Barnes, R. E. Eplee Jr., F. S. Patt, H. H. Kieffer, T. C. Stone, G. Meister, and C. R. McClain, "Comparison of SeaWiFS measurements of the Moon with the U.S. Geological Survey lunar model", Appl. Optics 43, 5838-5854 (2004)
- J. Sun, X. Xiong, B. Guenther, and W. Barnes, "Radiometric stability monitoring of the MODIS reflective solar bands using the Moon", Metrologia 40, S85-S88 (2003)
- X. Xiong, J. Sun, K. Chiang, S. Xiong, and W.L. Barnes, "MODIS on-orbit characterization using the Moon", Proc. SPIE 4881, 299-307 (2003)
- H.H. Kieffer, P. Jarecke, and J. Pearlman, "Initial Lunar Calibration Observations by the EO-1 Hyperion Imaging Spectrometer", Proc. SPIE 4480, 247-258 (2002)
- I. F. Grant, H. H. Kieffer, T. C. Stone, and J. M. Anderson, "Lunar calibration of the GMS-5 visible band," Proceedings of the International Geophysics and Remote Sensing Symposium 2001 Vol 4, pg 2769-2771 (2001)
- R.A. Barnes, R.E. Eplee, W.D. Robinson, G.M. Schmidt, F.S. Patt, S.W. Bailey, M. Wang, and C.R. McClain, "The calibration of SeaWiFS", Proc. CalCon2000 (2000)
- R.A. Barnes and C.R. McClain, "The calibration of SeaWiFS after two years on-orbit", Proc. SPIE 3870, 214-227 (1999)
- R.A. Barnes, R.E. Eplee, F.S. Patt, and C.R. McClain, "Changes in the radiometric response of SeaWiFS determined from lunar and solar-based measurements", Applied Optics 38, 4649-4664 (1999)
- R.A. Barnes, R.E. Eplee Jr., and F.S. Patt, "SeaWiFS Measurements of the Moon", Proc. SPIE 3498, 311-324 (1998)
- I. Grant, H.H. Kieffer, and J.M. Anderson, "Lunar calibration of geostationary visible-band images", Proc. SPIE 3498, 337-347 (1998)

- M.S. Maxwell and H.H. Kieffer, "Calibrating the GOES imager visible spectral band using the moon as a radiance standard", Proc. SPIE 3439 (1998)
- R.A. Barnes, A.W. Holmes, and W.E. Esaias, "Stray light in the SeaWiFS radiometer", NASA Tech. Mem. 104566 31, 1-76 (1995)
- J.P. Antikidis and M. Reynolds, "In-orbit Calibration of Meteosat and its Possible Extension to Other Applications and Fields", ESA Journal 3, 2, 115-121 (1979)