

G. W. Lockwood publications

Updated 2/6/2014

123) **Decadal variations of Sun-like stars**

Lockwood, G. W., Henry, G. W., Hall, J. C., and Radick, R. R. 2012. In *New Quests in Stellar Astrophysics III: A Panchromatic View of Solar-Like Stars With and Without Planets.*, M. Chavez and E. Bertone, eds., Astron. Soc. Pacific Conf. Series, 472, pp. 203-212

122) **Confronting a solar irradiance reconstruction with solar and stellar data**

Judge, P. G., Lockwood, G. W., Radick, R. R., Henry, G. W., Shapiro, A. I., Schmutz, W., and Lindsey, C. 2012. A&A, 544, A88
<http://adsabs.harvard.edu/abs/2012A%26A...544A..88J>

121) **New rotation periods in the open cluster NGC1039 (M34) and a derivation of its gyrochronology age**

James, D. J., Barnes, S. A., Meibom, S., Lockwood, G. W., Levine, S., and Deliyannis, C., and Steinhauer, A. 2010. A&A, 515, A100
<http://adsabs.harvard.edu/abs/2010A%26A...515A.100J>

120) **The activity and variability of the sun and sun-like stars. II. Contemporaneous photometry and spectroscopy of bright solar analogs**

Hall, J. C., Henry, G. W., Lockwood, G. W., Skiff, B. A., and Saar, S. H. 2009. AJ, 138, 312-322.
<http://adsabs.harvard.edu/abs/2009AJ....138..312H>

119) **Seasonal photometric variability of Titan, 1972-2006**

Lockwood, G. W., and Thompson, D. T. 2009. Icarus, 200, 616-626
<http://adsabs.harvard.edu/abs/2009Icar..200..616L>

118) **From the ground up II. Sky glow and near-ground artificial light propagation in Flagstaff, Arizona**

Luginbuhl, C. B., Duriscoe, D. M., Moore, C. W., Richman, A., Lockwood, G. W., and Davis, D. R. 2009. PASP 121, 204-212
<http://adsabs.harvard.edu/abs/2009PASP..121..204L>

117) **From the ground up I. Light pollution sources in Flagstaff, Arizona**

Luginbuhl, C. B., Lockwood, G. W., Davis, D. R., Pick, K., and Selders, J. 2009. PASP 121, 185-203
<http://adsabs.harvard.edu/abs/2009PASP..121..185L>

116) **Patterns of photometric and chromospheric variation among sun-like stars: a 20-year perspective**

Lockwood, G. W., Skiff, B. A., Henry, G. W., Henry, S., Radick, R. R., Baliunas, S. L., Donahue, R. A., and Soon, W. 2007. ApJS, 171, 260-303
<http://adsabs.harvard.edu/abs/2007ApJS..171..260L>

115) **The Sunlike activity of the solar twin 18 Scorpii**

Hall, J. C., Henry, G. W., and Lockwood, G. W. 2007. AJ, 133, 2206-2208
<http://adsabs.harvard.edu/abs/2007AJ....133.2206H>

114) **Suggestive correlations between the brightness of Neptune, solar variability, and Earth's temperature**

Hammel, H. B., and Lockwood, G. W. 2007. Geophys. Res. Lett., 34, L08203,
<http://adsabs.harvard.edu/abs/2007GeoRL..3408203H>

113) **The activity and variability of the Sun and Sun-like stars. I. Synoptic Ca II H&K observations**

Hall, J. C., Lockwood, G. W., and Skiff, B. A. 2007. AJ, 133, 862-881
<http://adsabs.harvard.edu/abs/2007AJ....133..862H>

- 112) **Long-term atmospheric variability on Uranus and Neptune**
Hammel, H. B., and Lockwood, G. W. 2007. *Icarus*, 186, 281-301
<http://adsabs.harvard.edu/abs/2007Icar..186..291H>
- 111) **Photometric variability of Uranus and Neptune, 1950–2004**
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<http://adsabs.harvard.edu/abs/2006Icar..180..442L>
- 110) **Uranus in 2003: Zonal winds, banded structure, and discrete features**
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- 109) **New cloud activity on Uranus in 2004: First detection of a southern feature at 2.2 microns**
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<http://adsabs.harvard.edu/abs/2005Icar..175..284H>
- 108) **The variability of sunlike stars on decadal timescales**
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<http://adsabs.harvard.edu/abs/2004IAUS..219..264R>
- 107) **The chromospheric activity and variability of cycling and flat activity solar-analog stars**
Hall, J. C., and Lockwood, G. W. 2004. *ApJ*, 614, 942–946
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- 106) **A prominent apparition of Neptune’s South Polar Feature**
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- 105) **Photometric variability of Neptune 1972–2000**
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- **104) **Exploration of the Neptune system**
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- 103) **New measurements of the winds on Uranus**
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- 102) **A case study illustrating the practical limitations of precision photoelectric photometry**
Lockwood, G. W. 2000. In *Third Workshop on Photometry*, W. J. Borucki and L. E. Lasher, eds., NASA/CP-2000-209614, 9–23
- 101) **Evidence of a pronounced activity cycle in the solar twin 18 Sco**
Hall, J. C., and Lockwood, G. W. 2000. *ApJ*, 545, L43–L45
<http://adsabs.harvard.edu/abs/2000ApJ...545L..43H>
- 100) **Composite spectral indices: A new method for the interpretation of solar and stellar activity**
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- 99) **Seasonal change on Titan observed with the Hubble Space Telescope WFPC2**
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- 97) **Patterns of variation among sunlike stars**
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- 96) **Luminosity and chromospheric variations of solar analog stars**
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- 95) **Supplementary analysis of Io's disk-integrated solar phase curve**
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- 94) **The solar activity cycle. I Observations of the end of cycle 22, 1993 September–1997 February**
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- 93) **Atmospheric structure of Neptune in 1994, 1995, and 1996: HST imaging at multiple wavelengths**
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- 92) **Titan's north-south asymmetry from HST and Voyager imaging: Comparison with groundbased photometry and models**
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- 91) **The photometric variation of sunlike stars: Observations and results, 1984–1995**
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- 90) **Atmospheric transparency at Flagstaff, Arizona, 1972–1996: Baseline and volcanic episodes compared**
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- 89) **Cross-correlation radial velocity measurements of chromospherically active binaries**
 Gunn, A. G., Hall, J. C., Lockwood, G. W., and Doyle, J. G. 1996. *A&A*, 305, 146–163
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- 88) **Magnetic, photometric, temperature, and granulation variations of ξ Boo A 1984–1993**
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- **87) **Variations of β Comae through a magnetic minimum**
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- 86) **A twelve-year photometric study of lower main-sequence Hyades stars**
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- 85) **Hubble Space Telescope imaging of Neptune's cloud structure in 1994**
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- 84) **Observation and analysis methods and case studies of four well-observed examples**
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- 83) **The solar-stellar spectrograph: Project description, data calibration, and initial results**
Hall, J. C., and Lockwood, G. W. 1995. ApJ, 438, 404–419
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- 82) **Surface textural properties of icy satellites: A comparison between Europa and Rhea**
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- 81) **The variability of HD 16221 = 87 Herculis between 1984 and 1993**
Skiff, B. A. and Lockwood, G. W. 1994. IBVS , 4024
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- 80) **A method of determining possible brightness variations of the Sun in past centuries from observations of solar-type stars**
Zhang, Q., Soon, W. H., Baliunas, S. L., Lockwood, G. W., Skiff, B. A., and Radick, R. R. 1994. ApJ, 427, L111–L114
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- 78) **Lessons from very long-term, very high-precision photoelectric photometry**
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- 77) **An atmospheric outburst on Neptune from 1986 through 1989**
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- 76) **Photoelectric photometry of Europa and Callisto 1976–1991**
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- 75) **Long-term solar brightness changes estimated from a survey of Sun-like stars**
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- 74) **The activity cycle of σ Draconis**
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- 73) **A new solar irradiance calibration from 3295 Å to 8500 Å derived from absolute spectrophotometry of Vega**
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- 72) **Some *ubvy* standards that are slightly variable**
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- 70) **Neptune's cloud structure in 1989: Photometric variations and correlation with ground-based images**
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- 68) **Time-resolved CCD photometry of an ensemble of stars in the open cluster M67**
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- 67) **Precise automatic differential stellar photometry**
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- 65) **Europa's phase curve: Implications for surface structure**
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- 63) **Stellar activity and brightness variations: A glimpse at the Sun's history**
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- 62) **The activity, variability, and rotation of lower main-sequence members of the Coma star cluster**
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- 60) **HAO-Lowell-AFGL Solar Stellar Spectrophotometer star catalog**
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- 56) **The activity, variability, and rotation of lower main-sequence Hyades stars**
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- 55) **Spectrophotometry of epsilon Aurigae**
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- 47) **Near-infrared photometry of unidentified IRC stars: The Mira variables of spectral type M10**
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- 43) **Spectrally resolved measurements of the El Chichón cloud, May 1982–August 1983**
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