

Template for Keck PI Data Award Final Report

Please make sure to include the following information in the Final Report for your Keck PI Data Award

1. **JPL RSA/contract number** (if known): 1461290
2. **Your Name and Institution:** Lawrence A. Sromovsky
University of Wisconsin-Madison,
Space Science & Engineering Center
3. **Title of Your Project:** High S/N imaging of Uranus: polar asymmetries and zonal winds
4. **Observing Semester:** 2012B
5. **What the money was spent on** (travel/publication costs/salary/etc.; a general description is fine):

Funds were spent to support salary and travel by L. Sromovsky and P. M. Fry to the Keck observing facility in Kamuela, HI, where observations were carried out on 15-16 August 2012, and to support salary costs for data reduction and preliminary analysis of the 15-16 August data and similar data shared by Imke de Pater from her 4-5 November observing run.

6. **Resulting Publications and Presentations:**

The 15 August observations were seriously degraded by poor seeing and not useable for our science objectives. However, the 16 August observations were of high quality and will be published as part of a paper on High-Signal/Noise tracking of cloud features on Uranus, along with the 4-5 November observations. A draft paper has been written, but additional work is needed to complete the cloud tracking before submission to Icarus. That effort will be supported by a grant from NASA's Planetary Astronomy Program.

7. **Other Comments:**

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