

Jupiter Observation Campaign: Citizen Science at the Outer Planets. J. H. Jones, NASA Jet Propulsion Laboratory, 4800 Oak Grove Drive, Mailstop 230-260D Pasadena, CA 91109-8099 jane.h.jones@jpl.nasa.gov, A. S. Wessen, NASA Jet Propulsion Laboratory, alice.s.wessen@jpl.nasa.gov, R. Pappalardo, NASA Jet Propulsion Laboratory, robert.pappalardo@jpl.nasa.gov, S. Vance, NASA Jet Propulsion Laboratory, steven.d.vance@jpl.nasa.gov, P. Dyches, NASA Jet Propulsion Laboratory, preston.dyches@jpl.nasa.gov. K. Beisser Johns Hopkins University Applied Physics Laboratory, kerri.beisser@jhuapl.edu, J Perry, University of Arizona-Lunar and Planetary Laboratory, volcanopele@gmail.com

Introduction: How can NASA Outreach help the citizen scientist? NASA Solar System Education and Public Outreach may coordinate and disseminate a consistent process for receiving Jupiter and other outer solar system observation data from citizen scientists and amateur astronomers and astrophotographers.

This may include a public repository or network that matches scientists with citizen scientists who want to provide needed observations in a standard and consistent format.

This may be a good Outer Planet Mission contribution to the amateur astronomy and citizen science communities. NASA's Solar System Thematic E/PO may design a repository, or connect people with a image sharing process. It can also act as a clearinghouse to communicate the process with interested scientists and imagers. It can also help define the formatting and other scientific data needs between the interested scientists and citizen scientists in these groups:

1. Novice amateur observers, astrophotographers and novice citizen scientists who do not have a consistent imaging process, image naming convention, or file sending network already.
2. Experienced observers or citizen scientists who currently send data on occasion to a network that may include appreciative scientists. These imagers typically record start and end times of their video, and time and date stamp their images, and include other meta-data in the image file itself.
3. Regional Associations (ALPO, ALPO-Japan, BAA to name just a few) have similar but not consistent naming conventions and data collection processes set up.

Feedback:

Several interested scientists and citizen scientists alike are being interviewed and the results and suggestions from these interviews will be shared at this poster session.

