Tuesday, March 21, 2017 [T345]
POSTER SESSION I: PLANETARY SPATIAL DATA INFRASTRUCTURE III: ANALYSIS TOOLS AND DATA DELIVERY SYSTEMS
6:00 p.m. Town Center Exhibit Area

Nass A. Fortezzo C. M. Skinner J. A. Jr. Hunter M. A. Hare T. M. ***POSTER LOCATION #651***
Specified Collection and GIS-Based Implementation for Cartographic Symbolization in Geologic and Geomorphologic Maps **[#1895]**
A critical review of the existing standard for geological features in planetary sciences is important to ensure uniform and understandable maps in the future.

Tao Y. Muller J.-P. ***POSTER LOCATION #652***
Automated Planet-Wide DTM Generation from NASA MRO Data — A Status Report **[#2965]**
A fully automated DTM processing chain called CASP-GO has been developed in iMars for planet-wide DTM production using NASA MRO data.

Bailen M. S. Sucharski R. Hare T. M. Akins S. W. Gaddis L. R. ***POSTER LOCATION #653***
Using the PDS Planetary Image Locator Tool (PILOT) to Investigate Small Bodies **[#1467]**
Functionality has recently been added to PILOT to allow users access to image data catalogs from the Dawn mission. Other small body missions will soon follow.

Gaddis L. R. Laura J. Anderson R. B. Hare T. Klima R. et al. ***POSTER LOCATION #654***
PySAT: Spectral Data Analysis Tool for Planetary Science **[#2548]**
PySAT is a new Python-based software tool to perform spectral analysis with M3 and CRISM data with published algorithms.

Heyer T. Erkeling G. Hiesinger H. Reiss D. Luesebrink D. et al. ***POSTER LOCATION #655***
The Multi — Temporal Database of Planetary Image Data (MUTED): A Tool to Support the Identification of Surface Changes on Mars **[#1019]**
MUTED enables scientists to effectively and conveniently search multi-temporal observations as a foundation for various change detection tasks.

Estes N. M. Silva V. H. Lanjewar K. K. Robinson M. S. ***POSTER LOCATION #656***
Lunaserv Performance and Planetary CRS Improvements **[#1614]**
Lunaserv now has up to 2x average performance, and supports IAU2000 additions as well as the new IAU2009 CRS namespace.

McNutt R. L. Jr. Morgan T. H. Roadmap Study Team ***POSTER LOCATION #657***
A New Planetary Data System Roadmap for the Next Decade 2017–2026 **[#2962]**
Description of ongoing development of a new PDS Roadmap for the next decade.

Wallace I. Schwenzer S. P. Woods M. Read N. Wright S. et al. ***POSTER LOCATION #658***
LabelMars.net: Crowd-Sourcing an Extremely Large High Quality Martian Image Dataset **[#1170]**
Advance future science / Share elusive rocky knowledge / Label Mars dot net.

Balcerski J. A. ***POSTER LOCATION #659***
Wrangling Planetary Point Cloud Data for GIS Frameworks **[#2629]**
A process for efficient analysis of large topographic point cloud datasets, in a desktop GIS environment, is presented.

Welzenbach L. C. Glimoclija M. Steele A. Fries M. D. ***POSTER LOCATION #660***
Data Management Planning for NASA Supported Planetary Analogue Science **[#1152]**
AMASE data is used to test COTS database and identify standards for the collection, management, and archiving of sample and analytical data.

Stein T. C. Arvidson R. E. Zhou F. ***POSTER LOCATION #661***
PDS Analyst's Notebook for MSL and MER: Interface Update and Image Drawing Tools **[#1236]**
The Analyst's Notebook provides integrated access to MSL and MER mission data. Newly updated user interface and image drawing tools now available.

Wang J. Scholes D. Zhou F. Slavney S. Guinness E. A. et al. ***POSTER LOCATION #662***
Updates to the PDS Orbital Data Explorer **[#1257]**
Overview of key features and updates of NASA PDS Geosciences Node's web-based tool, ODE, for search and access orbital data from planetary missions and instruments.

Halder A. Marco Figuera R. Rossi A. P. Minin M. Zinzi A. ***POSTER LOCATION #663***
PlanetServer Python API – Visualization and Analysis of CRISM images **[#1814]**
PlanetServer Python API is a Python interface that integrates the CRISM summary products in order to perform different RGB band math combinations on CRISM data.

Douté S. ***POSTER LOCATION #664***
Hypsimars: A tool to Simulate Multi-Angular Hyperspectral Images for Martian 3D Scenes **[#1863]**
We present a tool for simulating multi-angular hyperspectral images of 3D planetary scenes addressing different needs in image analysis with an emphasis on Mars.

Palmer E. E. Neese C. ***POSTER LOCATION #665***
Improvements in OLAF for Archiving Data into the Planetary Data System **[#1877]**
OLAF is a tool to archive data into the PDS. We added the ability to archive comma separated values (CSV) formatted files and updated the user interface.

Marco Figuera R. Rossi A. P. Pham Huu B. Minin M. Flahaut J. et al. ***POSTER LOCATION #666***
Planetary Surface Mineralogical Characterization Using PlanetServer **[#1971]**
PlanetServer comprises a server, a web client, and a Python client/API. The web client provides an intuitive way to visualize and analyze hyperspectral imagery.

Laura J. R. Rodriguez K. Paquette A. C. ***POSTER LOCATION #668***
Sparse Multi-Image Control: The AutoCNET Library **[#2626]**
We present AutoCNET, a Python library for sparse n-image control network generation.

Walter S. H. G. Steikert R. Schreiner B. Muller J.-P.
van Gasselt S. et al. ***POSTER LOCATION #669***
The iMars WebGIS — Space-Time Queries and Dynamic Time Series of Single Images **[#1066]**
We demonstrate an export tool for change detection which dynamically displays single images based on time series using Web Map Services.

Riedel C. Michael G. G. Kneissl T. ***POSTER LOCATION #670***
Crater Counting in a GIS Environment: The Implementation of Non-Sparseness Correction in a New Tool for Planetary Surface Dating **[#1905]**
We develop a new application for planetary surface dating from impact crater counts, which includes the Non-Sparseness Correction crater counting technique.

Sweeney J. Warner N. H. Golombek M. P. Kirk R.
Fergason R. L. et al. ***POSTER LOCATION #671***
Constructing a Semi-Automated Method in ArcMap to Measure Impact Crater Morphology **[#1741]**
We are developing an ArcMap model to rapidly measure crater depth and rim height in order to better estimate the magnitude of erosive processes in Elysium Planitia, Mars.