

Dr. Moses P. Milazzo

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Ph.D. Planetary Sciences: University of Arizona, December 2005

B.S. Mathematics: University of Arizona, May 2000

Current Employment

April 2019 to Present: Founder and Owner, Other Orb LLC

- Contractor as NASA's first Chief Scientist for the Planetary Data Ecosystem
- Consultant on various calibration, software development, data processing, data archiving, and similar projects
- Archiving Co-Chair NASA Independent Review Board for the Planetary Data Ecosystem
- Planetary and terrestrial remote sensing data science, research, and analysis.
- Earth and Planetary instrument calibration; data science software development; data pipeline development;
- Frequent Group Chief for NASA review panels
- Pro-social program development, training: bystander intervention; inclusive mentoring, etc., for local, national, and international institutions, teams, and conferences.
- NASA Science Activation Planetary Sciences Education; Science education and curriculum development.

Past Employment

October 2014 to March 2019: Physical Scientist, U.S. Geological Survey

- Software Development Project Chief for USGS contributions to NASA's OSIRIS-REx mission.
- Planetary and terrestrial remote sensing data science, research, and analysis.
- PDS: Imaging Node liaison to data providers; data reviews; future-looking development.
- Data science software development.
- Remote sensing data science and analysis: Galileo SSI images; HiRISE, CRISM, and CTX images; JunoCam images; and OSIRIS-REx O-CAMS images.
- Terrestrial high- and medium-temperature remote sensing at Hawai'i and other volcanoes.
- Development of bystander intervention training program for USGS, NASA, and related institutions.

July 2013 to June 2015: Middle- and High-school Teacher, BASIS Flagstaff Charter School

- Developed curriculum, taught, and tutored Pre-Algebra, Algebra II, Geometry, computer science, and robotics.

April 2008 to June 2013: Research Geophysicist, U.S. Geological Survey

- Developed absolute radiometry calibration comparisons and science analysis
- Project Chief leading a team of scientists and IT engineers to develop and implement a plan for the growth of the USGS Astrogeology Science Center's data storage and high performance computing resources.
- Member of a team of scientists, systems engineers, cartographers, and software developers who worked to improve the USGS Image Processing software suite for radiometric and geometric processing of planetary image data.
- As part of an international team, I planned and analyzed HiRISE images of Martian geologic features.
- Radiometric calibration of the MRO HiRISE camera.
- Numerically modeled the physics of cooling lava flows in diverse environments, including: the Earth, Mars, and Io.