

PSDS 2013-2022 White Papers

Community Input Received by Planetary Science Decadal Survey

Authors	Title	Summary	Panel Selection
<p>Sarah E. Braden</p> <p>Co-Authors: Samuel J. Lawrence, Mark S. Robinson, Bradley L. Jolliff, Julie D. Stopar, Lillian R. Ostrach, Lisa R. Gaddis, Justin J. Hagerty, Steven B. Simon, B. Ray Hawke</p>	<p>Unexplored Areas of the Moon: Nonmare Domes</p>	<p>Analysis of samples returned from unexplored areas of lunar volcanism such as the Gruithuisen Domes will (1) increase our knowledge of the history of the Earth-Moon system, (2) advance theories of lunar magmatic evolution and (3) provide valuable points of comparison with other terrestrial planets.</p>	<p>Inner Planets: Mercury, Venus, and the Moon.</p>
<p>Samuel J. Lawrence</p> <p>Co-Authors: Georgiana Y. Kramer, Bradley L. Jolliff, B. Ray Hawke, Mark S. Robinson, Justin J. Hagerty, G. Jeffrey Taylor, Jeffrey Plescia, W. Brent Garry, Julie D. Stopar, Brett W. Denevi, S. E. Braden, L. R. Ostrach, David T. Blewett, Tomas Magna, Thomas R. Watters, Lisa R. Gaddis, Rongxing Li, Clive R. Neal, Jeffrey Gillis-Davis</p>	<p>Sampling the Age Extremes of Lunar Volcanism: the Youngest and Oldest Lunar Basalts</p>	<p>Automated sample return missions to the youngest (Procellarum) and oldest (cryptomaria) basalts on the lunar surface will help improve our absolute chronology for the inner Solar System by providing the timing for the beginning and end of lunar basaltic volcanism.</p>	<p>Inner Planets: Mercury, Venus, and the Moon.</p>