

Lunar Surface Science Virtual Workshop #6

Session on Foundational Data Products

November 19, 2020

Program and Abstracts

All times are Eastern Standard Time (EST) (UTC -5)

Time	Speaker	Title
12:00 p.m.	E. Speyerer and D. Moriarty	Welcome and Workshop Overview
12:05 p.m.	S. Noble	Welcome from NASA HQ and updates on future LSSW meetings
12:10 p.m.	J. Bleacher	HEO Overview
12:25 p.m.	J. Sanders	STMD Overview
12:40 p.m.	J. E. Kleinhenz	NASA Lunar Water ISRU Measurement Study
12:50 p.m.	N. E. Petro	The Next Decade of Lunar Reconnaissance Orbiter Observations of the Moon: Science and Exploration in Support of Artemis [#5078]
1:00 p.m.	E. M. Mazarico	Regional Lidar Topography and Reflectance Enable the Scientific Exploration of the Lunar South Pole: Status and Perspectives [#5019]
1:10 p.m.	J.-P. Williams	Mapping Seasonal and Diurnal Temperatures in the Polar Regions with LRO Diviner [#5105]
1:20 p.m.	G. W. Patterson	The Surface Roughness and Volatile Content of the Moon: A Radar Perspective [#5158]
1:30 p.m.	L. O. Magana	Lunar Surface Ice Identifications by LRO Lyman Alpha Mapping Project (LAMP) Far-Ultraviolet Spectroscopy [#5162]
1:40 p.m.	E. J. Speyerer	Exploration of the Lunar South Pole with LROC Data Products [#5132]
1:50 p.m.	M. R. Manheim	Supporting Lunar Landers with LROC NAC Products [#5155]
2:00 p.m.		BREAK
2:20 p.m.	S. B. Sayyad	Mineralogical Mapping Using Chandrayaan-1 Hyperspectral (HySI) Data from the South Pole Region [#5039]
2:30 p.m.	J. J. Blalock	Lunar South Pole Mineral Map Products from Kaguya Multiband Imager [#5112]
2:40 p.m.	D. P. Moriarty III	Mineralogical Diversity of the Lunar South Pole: Critical Context for Artemis Sample Return Goals and Interpretation [#5152]
2:50 p.m.	C. M. Ferrari-Wong	One-Meter Resolution Thermal Infrared Hyperspectral Imaging of Polar Landing Sites [#5093]
3:00 p.m.	B. T. Greenhagen	Characterization of Lunar Surface Thermal Environment and Physical Properties Using Advanced Thermopile Arrays [#5097]
3:10 p.m.	T. S. Schoeman	Next Generation Sensing Technology on the Moon [#5165]
3:20 p.m.	M. Ohtake	JAXA's Lunar Polar Explorer Mission
3:35 p.m.	E. Malaret	Exploring Foundation Datasets with QuickMap
3:50 p.m.	E. Speyerer and D. Moriarty	Overview and Goals of Breakout Discussions
3:55 p.m.		BREAK

Time	Speakes	Title
Breakout Discussions		
4:10 p.m.	D. Moriarty and L. Magana	Resource Characterization
4:10 p.m.	E. Speyerer and A. Huff	Surface Characterization (Geology/Local Terrain)
5:10 p.m.	E. Speyerer and D. Moriarty	Report-Out and Wrap-Up
5:25 p.m.		ADJOURN