

ASSESSING THE VALUE OF MODERN FIELD GEOLOGY TOOLS FOR ARTEMIS

June 16, 2022

Agenda

Times listed are Eastern Daylight Time (EDT). Find your local time [here](#).

Co-Chairs: Tim Glotch and Jose Hurtado

Facilitators: Gavin Tolometti and Tara Sweeney

Session 1: Introduction and Overview		
Time (EDT)	Topic/Title	Speaker
11:00 a.m.	Welcome/Logistics	Tim Glotch/Jose Hurtado
11:05 a.m.	Opening Remarks/Overview	Pam Melroy (Recorded Greeting)
11:15 a.m.	Composition/Environment at the South Pole	Carle Pieters
11:30 a.m.	Scientific Goals of Artemis	Sam Lawrence
11:40 a.m.	Mission Constraints and Relevant Resources	Tim Horvath
12:00 p.m.	Summary of Tools/Instruments LSSW	Kelsey Young
12:10 p.m.	Q&A	
12:20 p.m.	Break	
Session 2: Perspectives on Traditional Field Geology and Modern Tools		
12:35 p.m.	Field Geology in the Apollo Era	Dean Eppler
12:50 p.m.	Field Geology by the Apollo Crew	Jack Schmitt
1:05 p.m.	Field Investigation of Impact Terrains with Modern Tools	Gordon Osinski
1:20 p.m.	Modern Field Tools to Investigate Geologic Environments	Erika Rader
1:35 p.m.	The Role of Flight Ops in Artemis Field Work	Alex Kanelakos
1:45 p.m.	Q&A	
1:55 p.m.	Break	
Session 3: Problems in Need of Instrument Solutions		
2:25 p.m.	Investigation of Volatiles in the Field	Jennifer Heldmann
2:40 p.m.	Assessing Complex Mineralogy/Geochemistry in the Field	Deanne Rogers
2:55 p.m.	Understanding the Geophysical Environment in the Field	Renee Weber
3:10 p.m.	EVA Operations and Implications with Modern In-Situ Field Data	Jose Hurtado
3:25 p.m.	Q&A	

3:35 p.m.	Break	
3:50 p.m.	Breakout Session 1: Best Use of Astronaut EVA and Earth-Based Team Time	
3:50 p.m.	Breakout Session 2: Ideal Instrumentation Deployment Style for Mission Architecture (Differences Between Sortie and Base Camp)	
4:35 p.m.	Report from Breakout Session 1	
4:45 p.m.	Report from Breakout Session 2	