

NASA Lunar ISRU Drilling and Rover Demonstration
December 13 & 14, 2007 at Carnegie Mellon

Thursday 12/13	Pittsburgh		Montreal
	Indoor	Outdoor	
8:30	Coffee		
9:00	Welcome/Logistics <i>David Wettergreen</i>	Drill 1-meter in Regolith Simulant	Master Event Control from PTOC
9:10	Overview <i>Red Whittaker</i>		
9:40	ISRU Vision <i>Jerry Sanders</i>		
10:00	HRS Vision <i>Rob Ambrose</i>		
10:20			
11:00	CSA Vision <i>Michel Doyon</i>	Capture Sample and Extract from Drill	
11:30			
12:00	Lunch	Transfer Core	
		Stow Drill for Transport	
13:00	Rover Design <i>Paul Bartlett</i>	Move Rover to Crater Course	
13:30		Drive through Crater Course	Raise, Breakover, Obstacles, High Centering, Twist, Bridging, Lower
14:00	Rover Performance <i>Scott Moreland</i>	Move Rover to Slope	

Shaded box indicates location, inside or outside.

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	Indoor	Outdoor	
14:30		Driving on Slope	Direct Ascent, Side Slope Drive, Roll Adjust
15:10		Group Photo	
15:20	Break		
15:30	Rover Power System <i>John Caruso</i>	Move Rover to Long Traverse	
16:00	Dark Navigation <i>Liam Pedersen</i>		
16:30	Rover Long-Distance Traverse <i>David Wettergreen</i>		
17:00	Closing Comments		
17:30	Dinner at the Roundhouse	Navigate Long Traverse	
	Pursing the Google Lunar X-Prize <i>Red Whittaker</i>		
18:30			Long Traverse Progress
18:40	Adjourn		
23:00			

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Friday 12/14	Pittsburgh			Montreal Activities
	Indoor Activities	Outdoor Activities		
8:00	Coffee			
8:30	Welcome/Charter			
8:40		Drill on Slope	Drilling <i>Dale Boucher</i>	Master Event Control from PTOC
9:00		Abort and Stow drill		
9:10		Descend Slope		
9:20	TriDAR <i>Adam DesLauriers</i>	Scan for next Drill Site 3DI Data Compression		
10:00	Long Distance Results David Wettergreen			Select Next Drill Site
10:20	Demonstrations 2008 <i>John Caruso</i>	Drive to Drill Site		
10:30	Technical Goals 2008 <i>John Caruso</i>			
11:00			Arrive at Drill Site Scan Drill Site	Approve drill Site
11:30	Drilling Results <i>Dale Boucher</i>	Reposition Rover and Drill Hole		Master Event Control from PTOC
12:00	Lunch	Abort Hole and Stow Drill		
13:00	Planning 2008 <i>All/Small Groups</i>			
14:00	Adjourn			

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