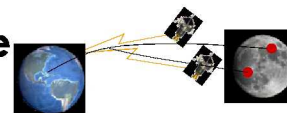
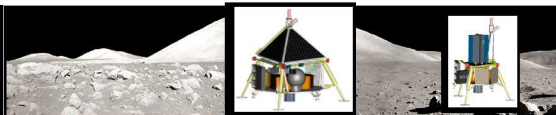


# MSFC Robotic Lunar Lander Testbed and Current Status of the International Lunar Network (ILN) Anchor Nodes Mission



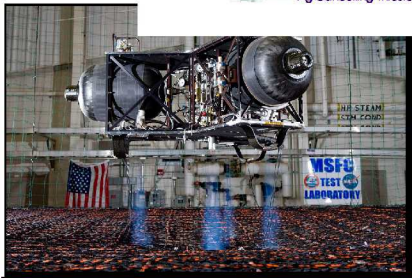
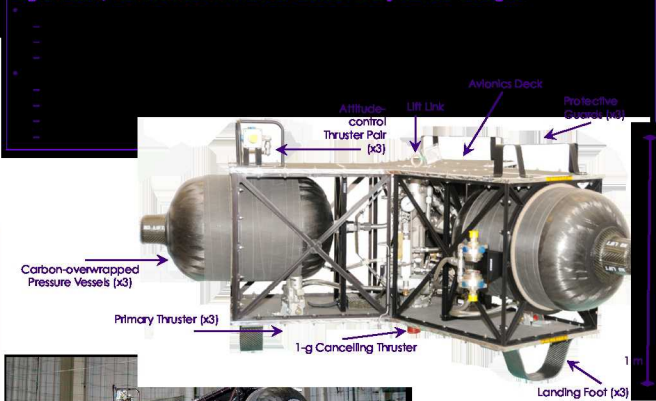
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ILN Anchor Nodes Concepts	Solar / Battery (2)	ASRG (4)
Wet Mass (Cruise / Lander) (kg)	1164 / 422	796 / 260
Payload Mass (kg)	157	37
Max ILN Payload Mass	25	30
Max ILN Payload Power (W)	19.5 (day) / 7.8 (night)	Up to 74
Cost (excluding LV) (\$FY10)	\$ 422 M (Discovery class)	\$ 625 M (New Frontiers Class)
Launch Options	<ul style="list-style-type: none"> <li>• 1 on Taurus II or Falcon 9 B1</li> <li>• 2 on Falcon 9 B2</li> <li>• 2 on Atlas V 401 with excess capacity</li> <li>• 4 on Atlas V 531</li> </ul>	<ul style="list-style-type: none"> <li>• 2 on Atlas V 401 with excess capacity</li> <li>• 4 on Atlas V 401</li> <li>• Other LVs require nuclear certification</li> </ul>

**Lunar Lander Robotic Exploration Testbed @ MSFC**  
 Provides a test environment for robotic lander test articles, components, algorithms, etc. to reduce risk on airless body lander designs



First fully autonomous flight of the lunar lander test article  
 September 17, 2009

