Title: A DSN Retrospective on CubeSat Support for Lunar Flashlight

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NASA’s Deep Space Network (DSN) provides space communications services that include initial acquisition, tracking, telemetry, command, and delivery of science & mission status data over terrestrial links to mission operation centers. This presentation will provide a DSN Mission Interface Manager’s perspective on the successes, challenges, and lessons-learned from provisioning DSN Services for the Lunar Flashlight mission - a 6U cubesat spacecraft demonstrating the use of green propulsion to reach the Moon, and equipped with near-infrared lasers to search for water ice deposits in the shaded polar regions. The Lunar Flashlight project is managed by the Jet Propulsion Laboratory, in partnership with the Georgia Institute of Technology for Mission Operations support.