

Tuesday, March 22, 2016

[T312]

**POSTER SESSION I: MOON FROM NEAR AND FAR:  
RESULTS FROM RECENT LUNAR MISSIONS  
6:00 p.m. Town Center Exhibit Area**

- Keller J. W. Petro N. E. **POSTER LOCATION #201**  
[\*The Lunar Reconnaissance Orbiter — Revealing a New Moon with 6+ Years of Observations: Status, Data, and Future Opportunities\*](#) [#1562]  
An update on the status and recent discoveries from the Lunar Reconnaissance Orbiter mission.
- Stooke P. J. **POSTER LOCATION #202**  
[\*Surveyor Retro-Rockets in LROC Images\*](#) [#1025]  
The pre-Apollo Surveyor landers used retro-rockets, discarded before landing. LROC images clearly show two of them (S3 and S6) and candidates for the others.
- Stubbs T. J. Glenar D. A. Wang Y. McClanahan T. P. Myers D. C. et al. **POSTER LOCATION #203**  
[\*Searching for Lunar Horizon Glow with the LRO Star Tracker Cameras\*](#) [#2851]  
Initial test-case simulation suggests some “excess brightness” imaged just above the limb caused by surface-reflected sunlight rather than scattering by dust.
- Barker M. K. Mazarico E. Smith D. E. Sun X. Zuber M. T. et al. **POSTER LOCATION #204**  
[\*Searching for Lunar Horizon Glow with the Lunar Orbiter Laser Altimeter\*](#) [#1985]  
We describe the method and initial results of a new campaign by the Lunar Orbiter Laser Altimeter to observe lunar horizon glow.
- Patterson G. W. Stickle A. M. Mini-RF Team **POSTER LOCATION #205**  
[\*Radar Scattering Characteristics of Crater Ejecta Observed During the Mini-RF/AO Bistatic Campaign\*](#) [#2331]  
Mini-RF/AO bistatic radar scattering characteristics for the ejecta of three craters show variations suggestive of a relationship with crater age.
- Calla O. P. N. Mathur S. Gadri K. L. **POSTER LOCATION #206**  
[\*Study of the Behaviour of Lunar Equatorial Features Using Datasets of Chandrayaan-1 Mini-SAR\*](#) [#1154]  
 $\delta$ , m, CPR values over Equatorial analysed using Mini-SAR. DC of these features is estimated by Campbell model. A correlation between CPR and LOLA roughness observed.
- Kitazato K. Iwata T. Abe M. Ohtake M. Tsumura K. et al. **POSTER LOCATION #207**  
[\*Near-Infrared Spectroscopy of the Earth and Moon During the Hayabusa2 Earth Swing-By\*](#) [#2158]  
We present the initial results from the Hayabusa2 near-infrared spectrometer (NIRS3) observations of the Earth and Moon obtained during the Earth swing-by.
- Lai J. Xu Y. Zhang X. Tang Z. **POSTER LOCATION #208**  
[\*Subsurface Structure Analysis of Chang'e-3 Landing Site\*](#) [#1923]  
Obtaining the structure of the mare subsurface provides valuable information for understanding the evolution of the lunar regolith and the mare thermal history.
- Sun L. Z. Ling Z. C. Zhang J. **POSTER LOCATION #209**  
[\*Mineralogical Constraints of Basalt Thickness Near Chang'e-3 Landing Site\*](#) [#2400]  
The thickness of the Eratosthenian basalt near the CE-3 landing region ranges from 33.6 m to 50 m based on variation of olivine and ilmenite abundances.
- Meng Z. G. Ping J. S. Tang Z. S. Zhao R. Cai Z. C. et al. **POSTER LOCATION #210**  
[\*Internal Thermal Features of Tycho Area Revealed by CELMS Data\*](#) [#1960]  
The microwave thermal emission is special around Tycho crater, the study on which will be valuable to understand the internal thermal structure of the region.