



<http://www.lmmp.nasa.gov>

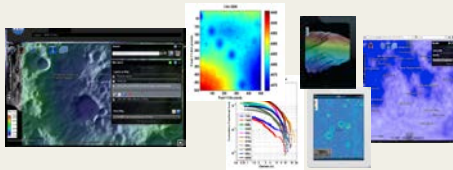
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### Abstract

#### Introduction:

The Lunar Mapping and Modeling Portal (LMMP) is a web-based Portal and a suite of interactive visualization and analysis tools. It allows users to search, view and download mapped lunar data products from past and current lunar missions. Its visualization and analysis tools allow users to perform analysis such as lighting and local hazard assessments including slope, surface roughness and crater/boulder distribution. The data and tools available through the LMMP foster detailed lunar scientific analysis and discovery, and open the door to educational and public outreach opportunities. This poster provides answers to frequently asked questions including "What are the Key Capabilities?", "What Data are Available?", "Where to Begin?", "How to Get Help?".

### What are the Key Capabilities?



- Portal - user interface with access authentication
- Data products Catalog, Browse, Search, and Download (with data authorization)
- Novice and advanced data search, Rock/Crater search
- Official / Unofficial Nomenclature data browse and search
- Tools: Lighting, Slope, Hazard, Elevation Profile, Sun Angle
- Web Services
- Online Help
- Mobile app "Moon Tours" coming soon to iTunes

### What Data are Available?

#### • Global, Regional and Local Scale Maps

#### • Image Mosaics

#### • DEM Products/Maps

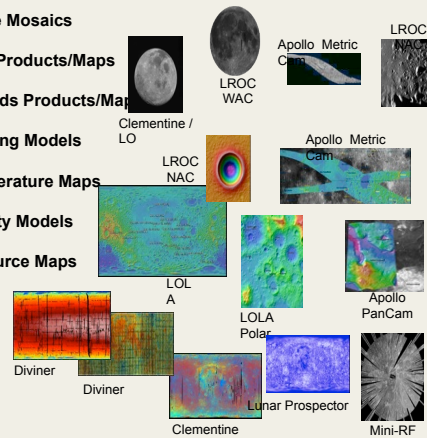
#### • Hazards Products/Maps

#### • Lighting Models

#### • Temperature Maps

#### • Gravity Models

#### • Resource Maps



### Where to Begin?



- Enter <http://www.lmmp.nasa.gov> on your browser
- Select "Did you know?" to view tutorial videos
- Select "Browse" menu to look around
- Select "My LMMP" to login or register

### How to Get Help?



- Select "Learn more about LMMP Features" or "Help" to find out more from the LMMP wiki page at: <http://pub.lmmp.nasa.gov/redmine/projects/lmmpwiki/wiki/LMMP>
- Email "Feedback" to [lmmp-suggestion@lists.nasa.gov](mailto:lmmp-suggestion@lists.nasa.gov)

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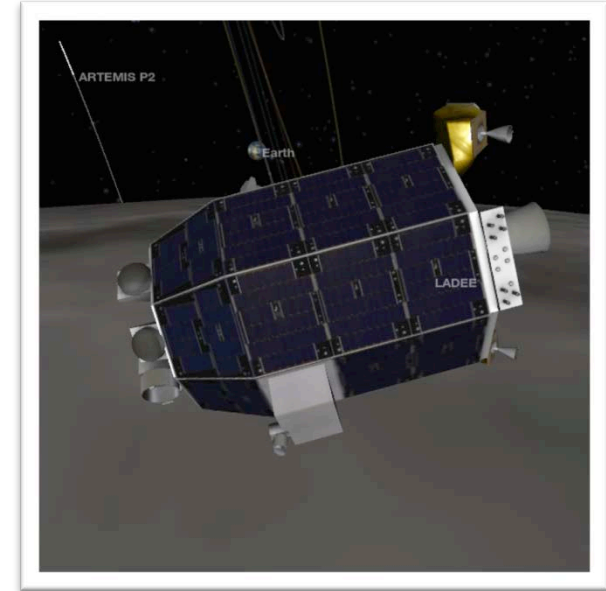
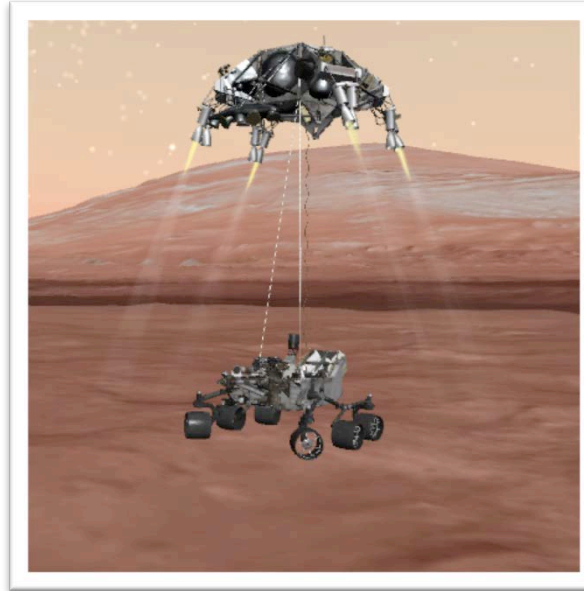
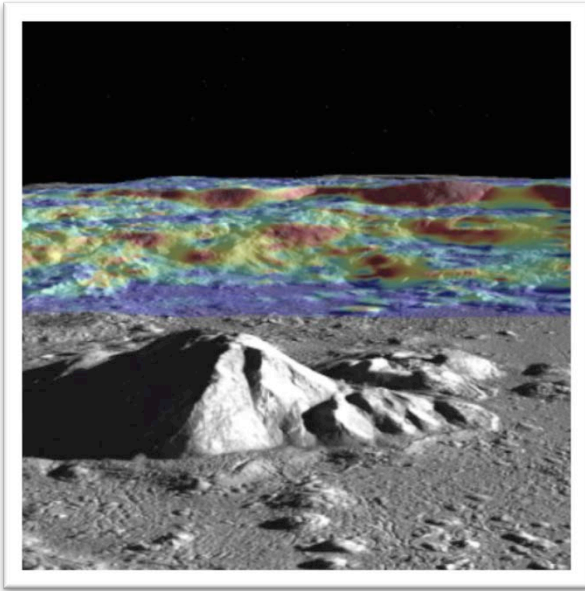
For More Information Contact: [Emily.S.Law@nasa.gov](mailto:Emily.S.Law@nasa.gov)  
 We Value your feedback: [lmmp-suggestion@lists.nasa.gov](mailto:lmmp-suggestion@lists.nasa.gov)

## LMMP technology & NASA's Eyes Visualization

Data processing and real-time graphics putting the Moon in context



Jet Propulsion Laboratory  
California Institute of Technology



### Real-time 3D Interactive Virtual Exploration

Select lunar data and the missions responsible for collecting it all in the context of NASA's broader missions to explore the Universe. Available on laptops, desktops as well as tablets & smartphones.

<http://www.lmmp.nasa.gov> <http://eyes.nasa.gov>