

International EPO Opportunities

LRO PSWG Meeting
28-30 November 2006
Honolulu, Hawaii

Facilitator: Cherilynn Morrow

Recorder: Stephanie Stockman

International EPO Opportunities – PARTICIPANT INFO

NAME	AFFILIATION
Cherilynn Morrow (Facilitator)	SETI Institute, USA
Stephanie Stockman (Recorder)	Denver Museum of Nature & Science, USA
Polly Andrews	Denver Museum of Nature & Science, USA
Bruce Betts	Planetary Society, California, USA
Bernard Foing	European Space Agency (ESA)
Nicholas Gross	Boston University, USA
Hirokazu Hoshino	JAXA, JAPAN
Sheri Klug	Arizona State Univ. USA
Doug Roberts	Adler Planetarium, USA
Cass Runyon	Charleston University South Carolina, USA
Anton Sanin	IKA/RAS, RUSSIA
Maxim Litvak	IKA/RAS, RUSSIA
Mark Nall	Marshall Space Flight Center
David Everett	NASA GSFC
Wayne Hartford	JPL
Carmen Salas	Arizona State University
Ashwin Vasavada	JPL
Linda Martel	University of Hawaii
Nori Namiki	Kyshu University

INTERNATIONAL EPO OPPORTUNITIES

BACKGROUND PRESENTATIONS PROVIDED

Cherilynn Morrow	International Heliophysical Year	(3-5 min)
Bruce Betts	International Lunar Decade Chang'E & SELENE Outreach Collaborations	(10 min)
Bernard Foing	SMART-1 Multi-lingual EPO	(5 min)
Stephanie Stockman	NASA LRO EPO	(10 min)
Cass Runyon	Chandrayaan EPO	(5 min)

ACTIVE LISTENING:

As these presentations are being made, we will capture any obvious Opportunities, Obstacles, Options, and Ideas for Communicating our Outcomes on the wall charts. Also, please note any ideas that occur to you vis-à-vis connections to your own EPO efforts, and we'll brainstorm on this afterward.

INTERNATIONAL HELIOPHYSICAL “YEAR” (IHY) 2007-2008

Cherilynn Morrow
US National EPO Coordinator for IHY
cmorrow@seti.org

UNITED NATIONS
OFFICE FOR OUTER SPACE AFFAIRS

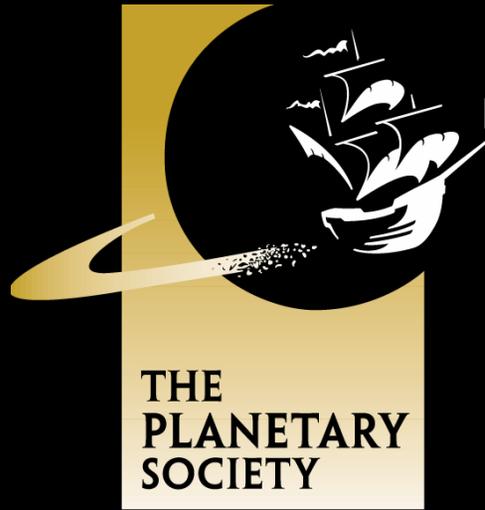
Putting the “I” in the IHY

*Comprehensive overview on the worldwide organization
of the International Heliophysical Year 2007*



UNITED NATIONS

<http://ihy2007.org>



THE PLANETARY SOCIETY

*Lunar Missions Outreach and
International Lunar Decade*

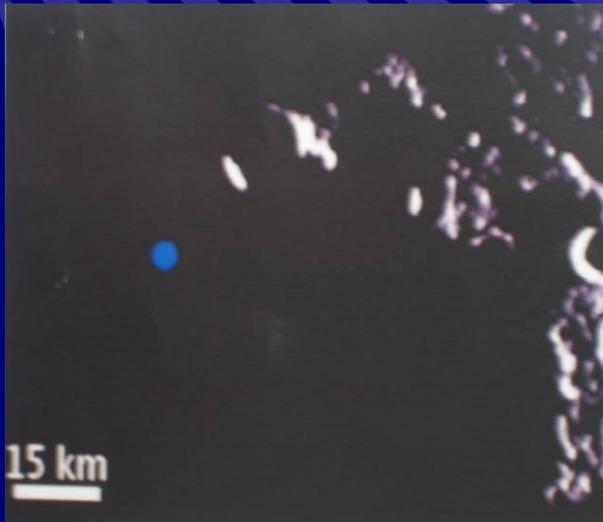
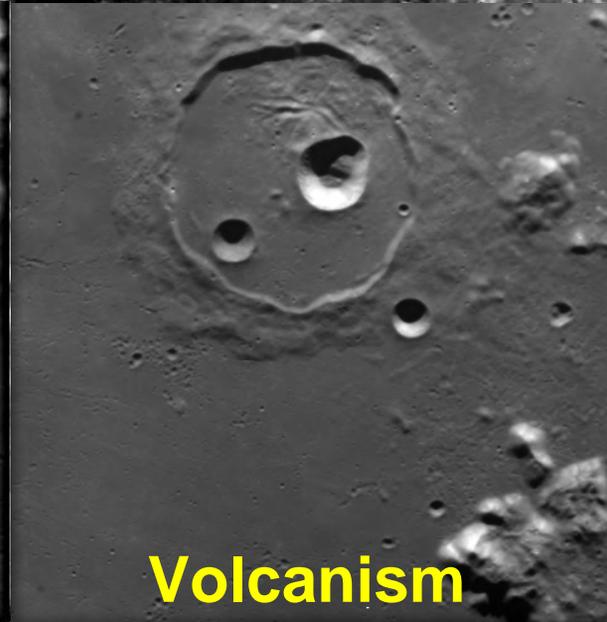
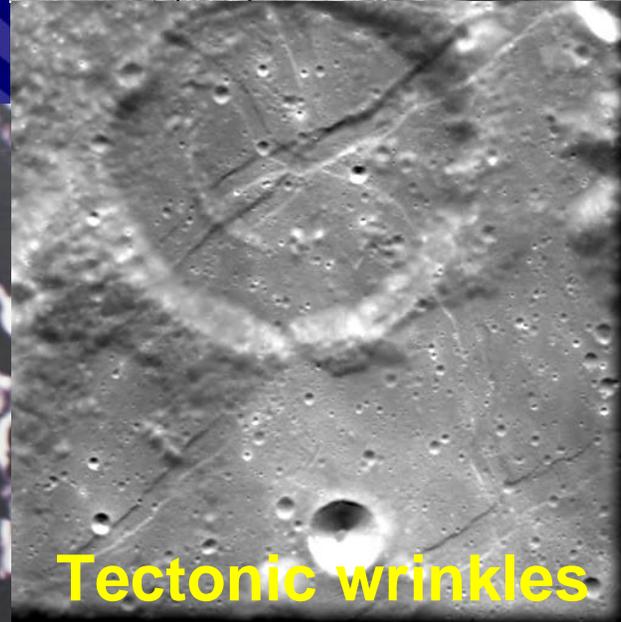
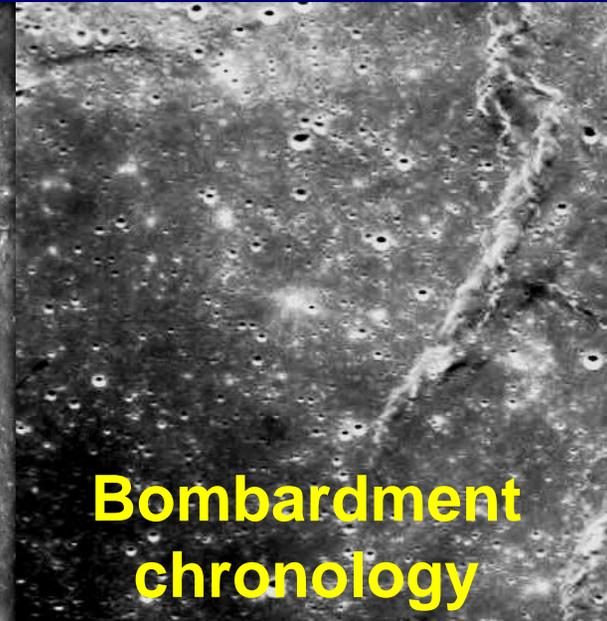
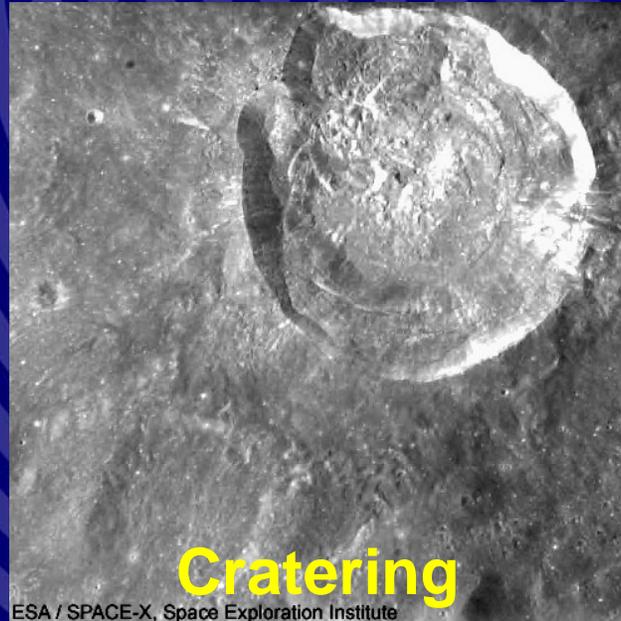
Bruce Betts

<http://planetary.org>

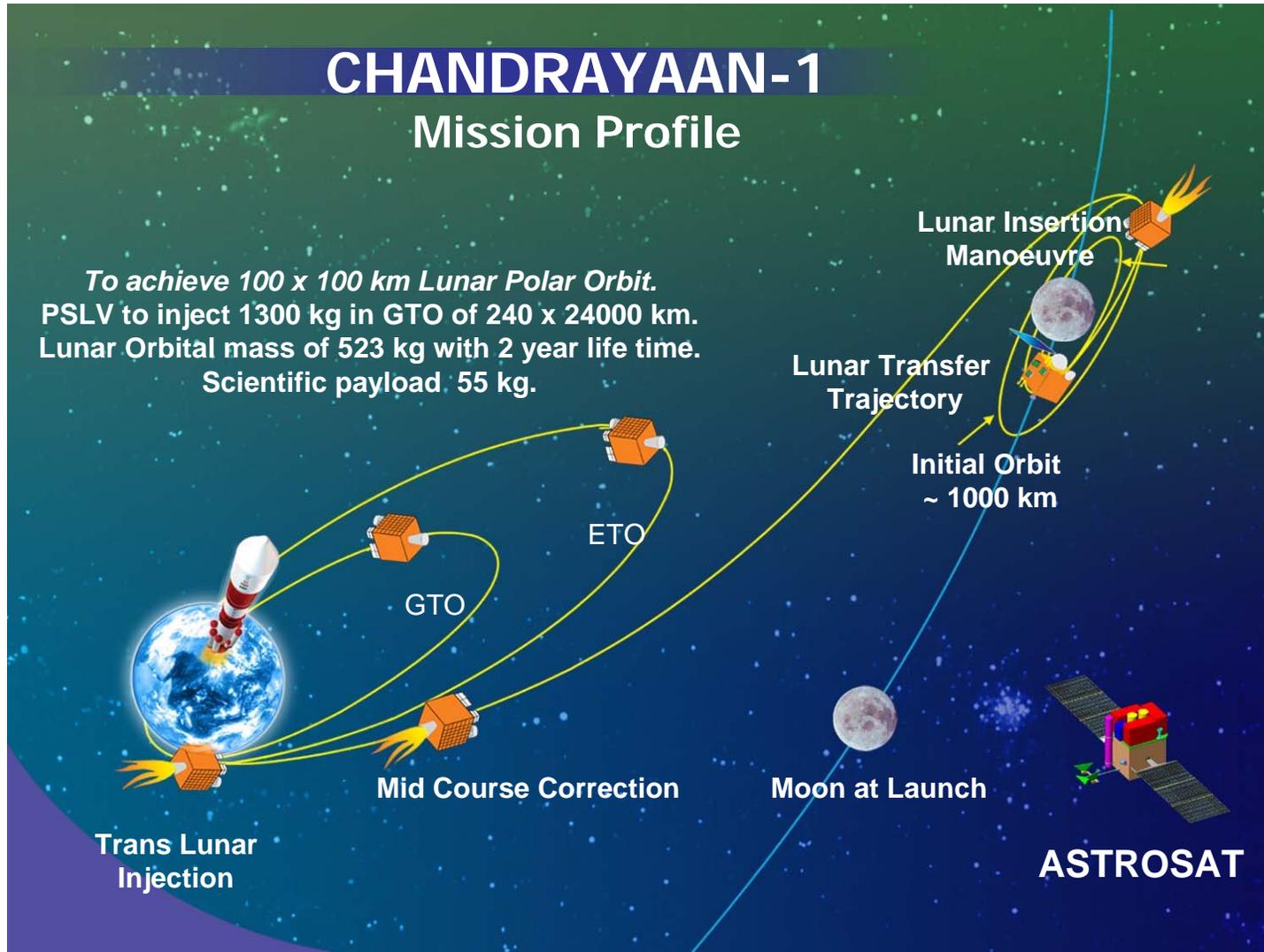
The Moon as a planetary education tool: What shapes rocky planets?

*Moon
laboratory
for Geophysics*

**Erosion,
Polar volatiles**



Chandrayaan-1 Mission Profile



Expanding the scientific knowledge about the moon, upgrading India's technological capability and providing challenging opportunities for planetary research for the younger generation

LRO Instrument EPO Plans

These are summaries of the current instrument plans, identifying partners, activities and products

INTERNATIONAL EPO OPPORTUNITIES

OPPORTUNITIES

- AGU's Growing Interest in international community membership
- Cospar IHY volume – possibility to publish on lunar EPO projects
- Lunar EPO Via International Heliophysical Year, International Year of Astronomy
- Connection with the International Lunar decade (Planetary Society)
- Planetary Society Dissemination Opportunities
- GLOBE international network – linking Moon to Earth
- ESA Dissemination
- ESA EPO program Earth View and Adopt a Crater (Bernard Foing)
- Lunar Student Imaging (Sheri Klug)
- Cross Cultural Stories (Chandrayaan – Cass Runyon)
- Chandrayaan EPO Via M3
- International input on landing site map and distribution (Cass Runyon)
- Online courses- possibility of international access
- International Planetarium Association - annual meeting in 2008 at Adler – with theme of lunar exploration
- Extensive partnerships of the LRO EPO team in the US
- Museum visualization alliance – invite international partners to contribute 2-D and 3-D data

INSERT BREAKOUT NAME

OBSTACLES

- NASA constrained internationally
- Commercial camera on SELENE copyrighted material
- Funding for LRO E/PO
- Redundancy of effort internationally
- Mars has raised expectations
- Moon considered passe – “Been there, done that!”
- Translation and language barrier

International EPO Collaboration

OPTIONS for taking advantage of opportunities and overcoming obstacles

- Engage NGOs (e.g., The Planetary Society, AGU, UN-IHY, AAS, Globe, IPS, HOU)
- Let people know why the Moon
 - Permanent settlement
 - Mars forward
 - Economic expansion
 - Science
 - International collaboration
 - Public inspiration / engagement
- Engage with organizations who have translation capabilities
- Summary of what has been done and what is being done internationally
- International clearinghouse outside the NASA Portal
- Pursue funding by completing LRO E/PO Plan

International EPO Collaboration OPPORTUNITIES

- International sister organizations to Girl Scouts
- Special needs students
- LROC connection in Germany
- LEND Russia Student Exchanges (AAA money to fund students abroad)

International EPO Collaboration

IDEAS FOR COMMUNICATING OUR FINDINGS

- We want to be a part of whatever is being communicated as the results of this meeting.

International EPO Collaboration

COMMENTS FROM PLENARY

- LEND has already had two students from the US come to the U of Maryland. They want US students to come to Russia but want to review their research proposals.
- SELENE and Hi-Def TV...will negotiate with NHK and let us know about public accessibility of Earth rise images
- Bernard re-iterated availability of SMART data....Host LRO expert or EPO person...TV production service...looking to film other missions.
- Moon Sci-TECH & ILWEG website...info about other lunar missions
Suggestions about using digital cameras to photograph the moon...
- Sylvie – her group of scientists built a tool to trigger student interest in the Moon 3-D interactive model on a website...one idea
- Website comparison of any mission at any time...track their orbits and where they are...Lunar Prospector
- How do we fund?