

# From Chandrayaan 3 to an Indian on the Moon



– Jatan Mehta  
jatan.space  
India Space Congress 2024



*Author,  
Moon Monday*



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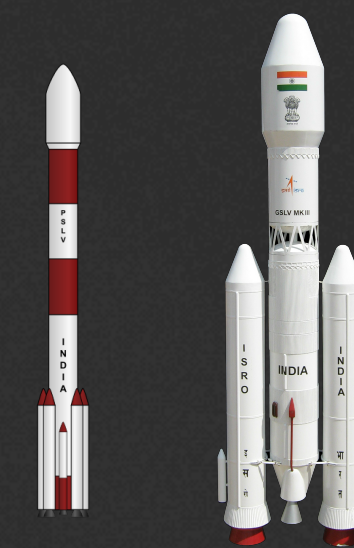
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*Author, Indian  
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A monthly report on Indian space—from space technology, launch & exploration to astrophysics & planetary science to commercial & policy developments and more.

# Chandrayaan 4, a precursor to sending humans to Luna, and a direct look at the Moon's past

1 Returner module launched onboard PSLV

2 Chandrayaan-4 composite spacecraft launched by LVM3

Labels in diagram: Ascend Unit, Lander, Return Vehicle, Service Module

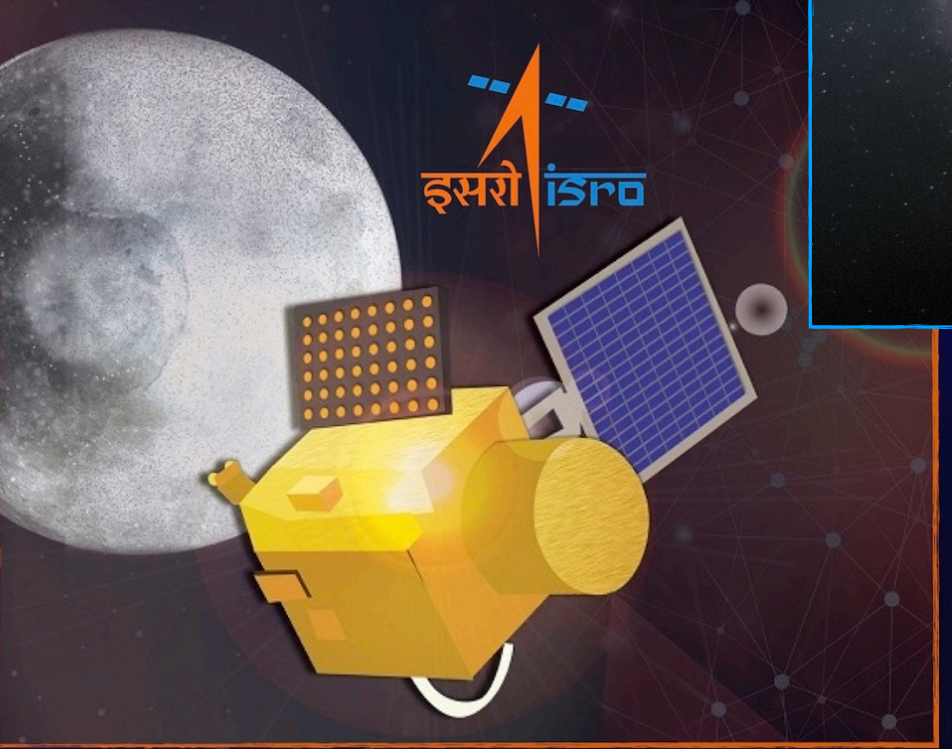
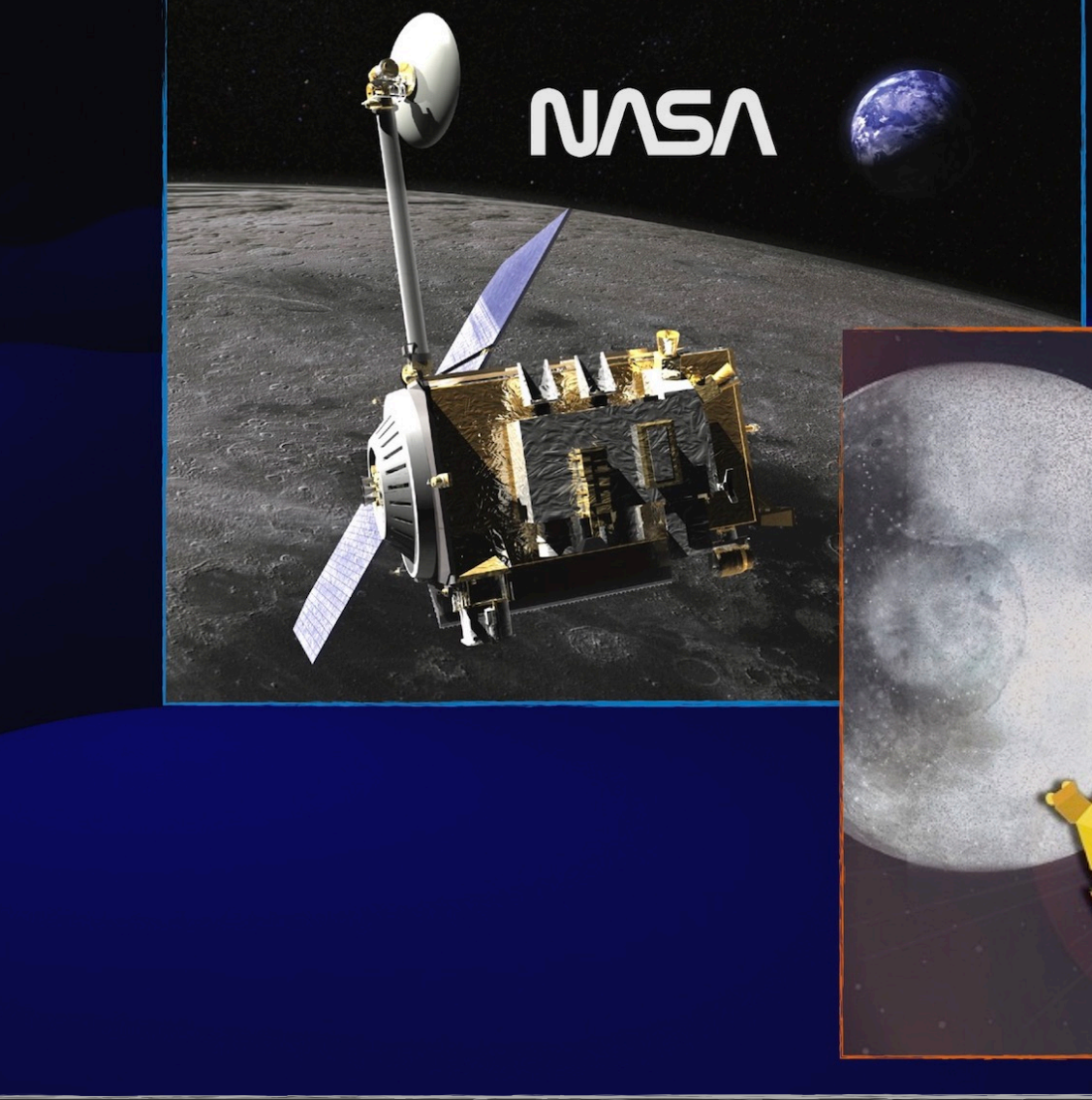
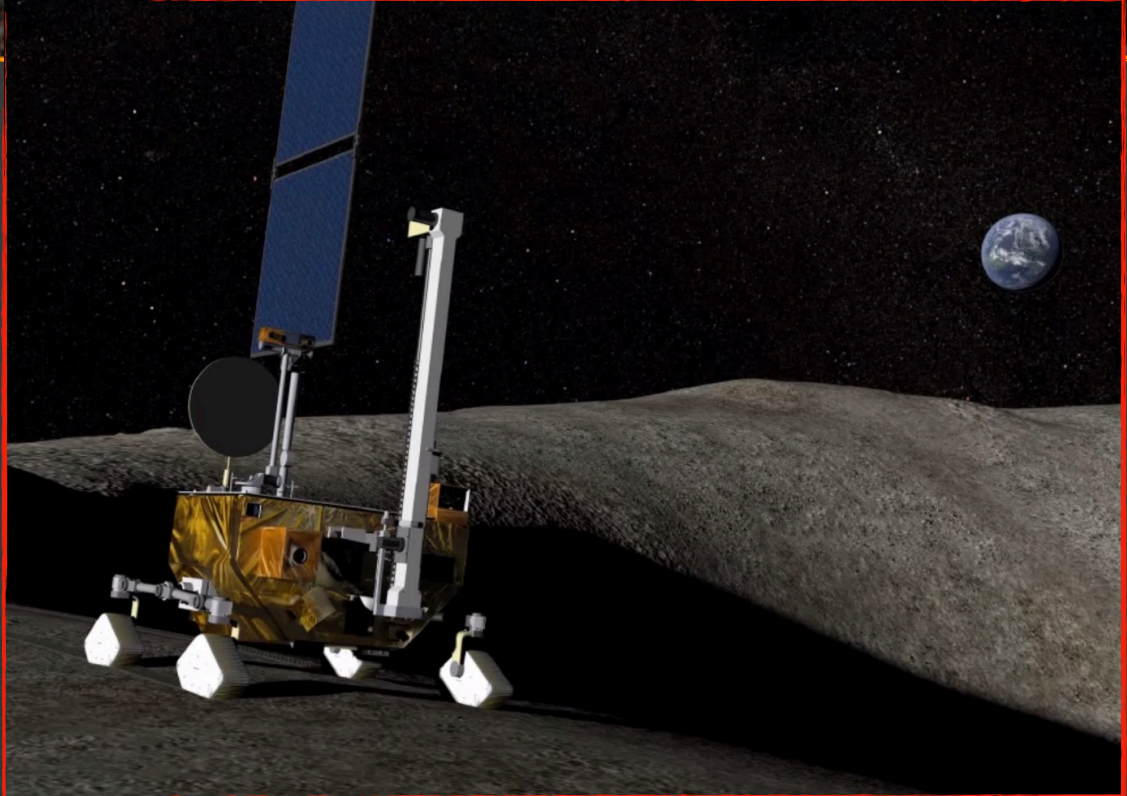
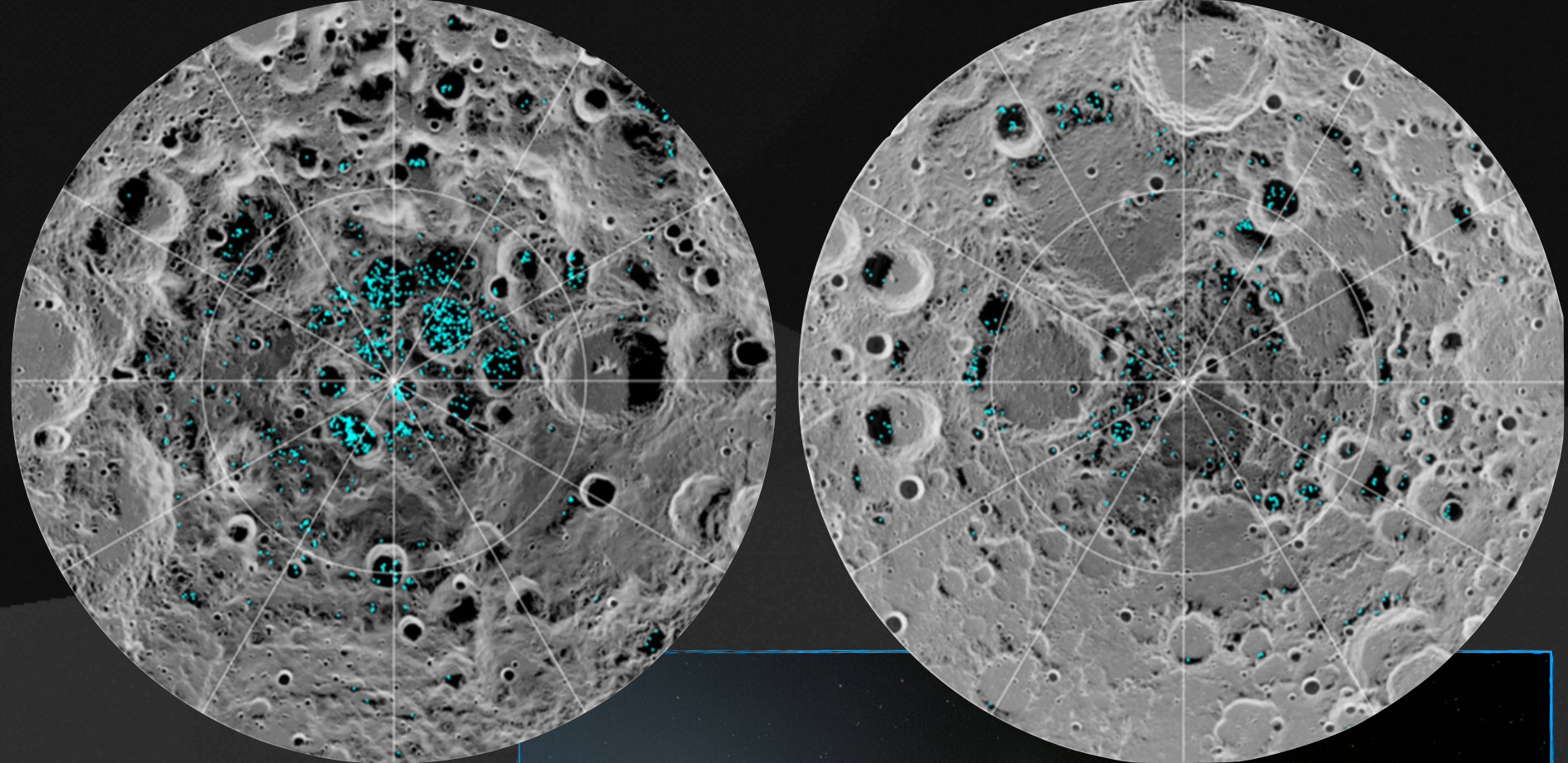
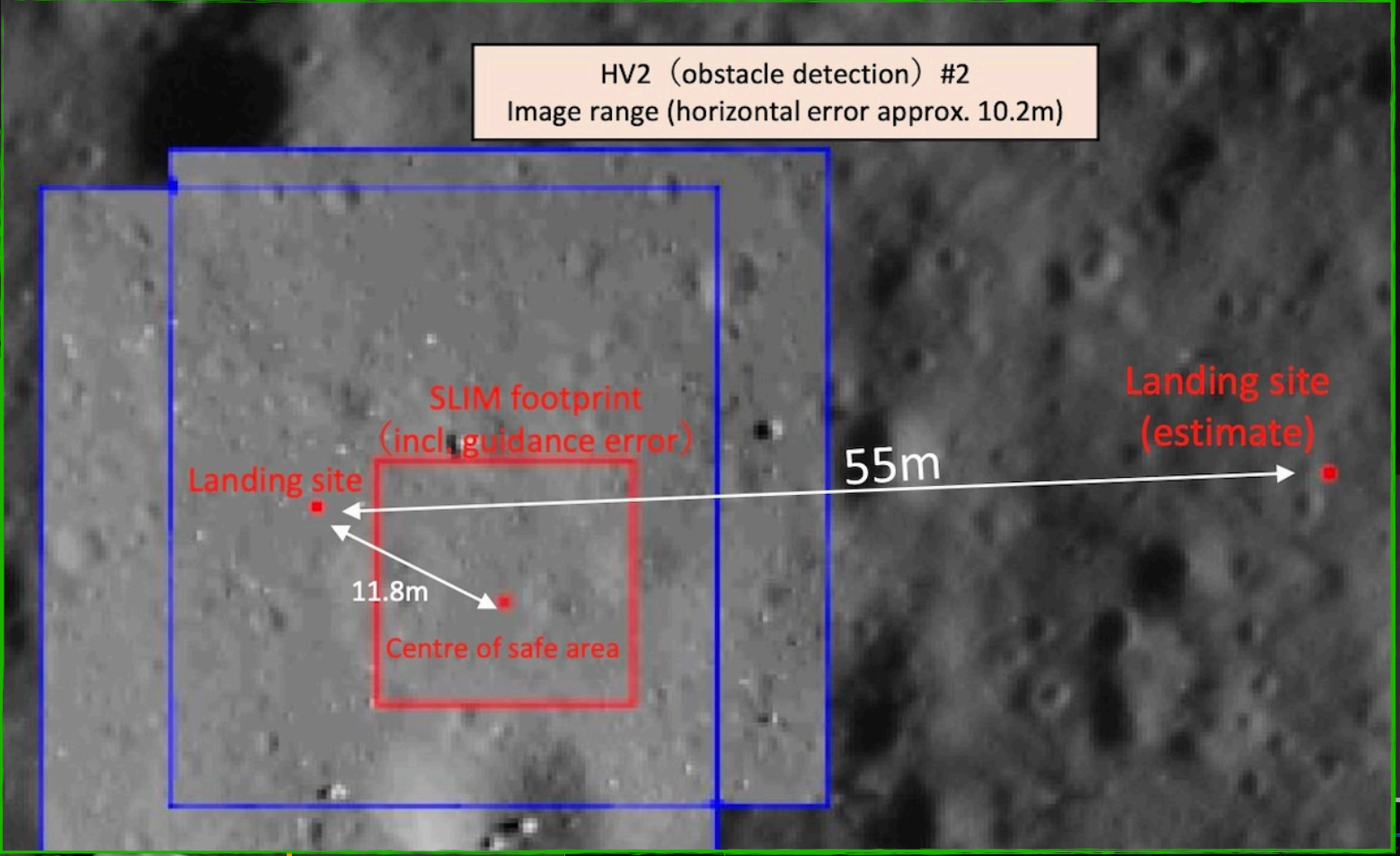
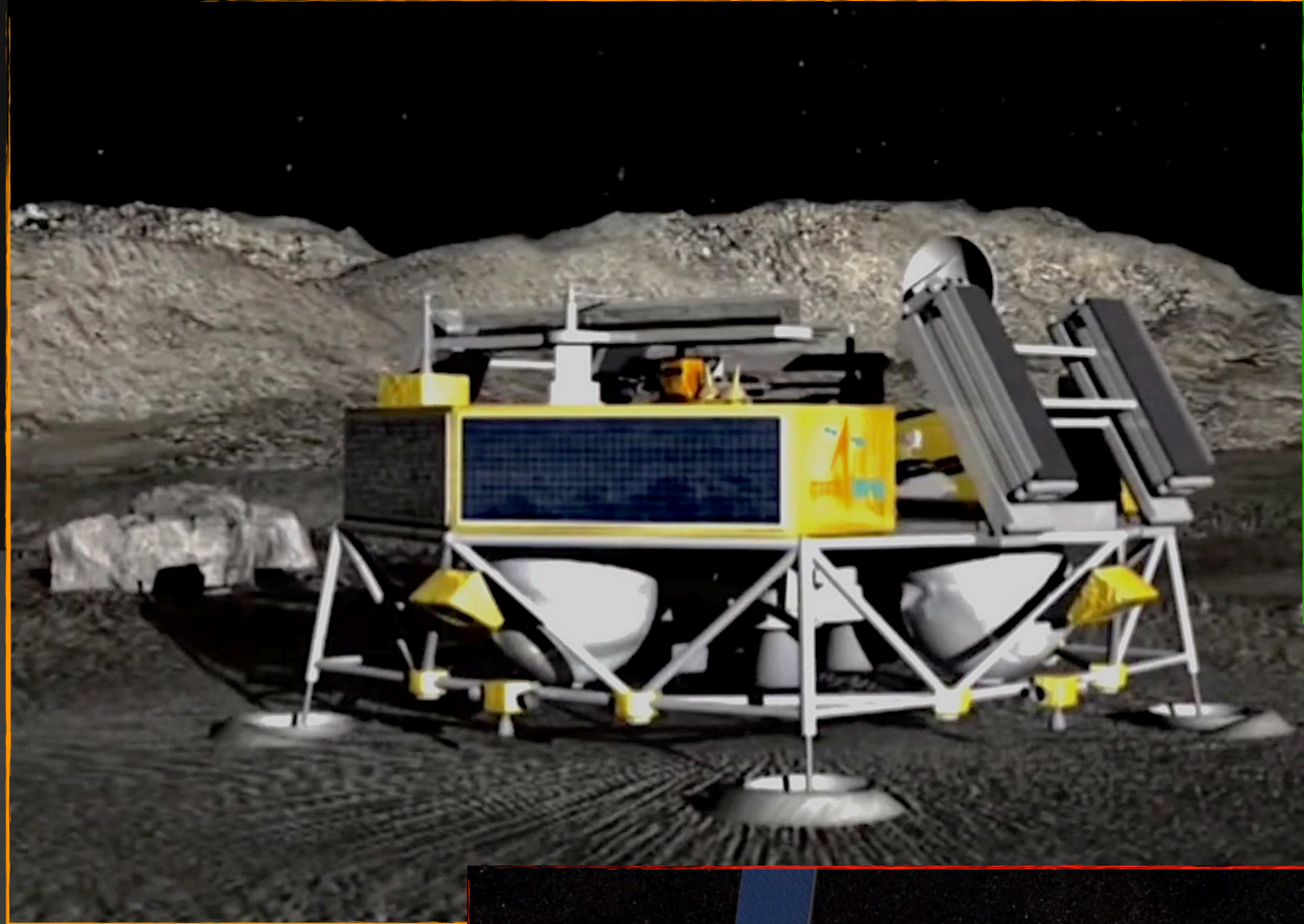
Labels in mission profile: Docking & Sample transfer, Returner module, Lunar Docking & Sample transfer, Ascender module, Capsule re-entry

### Technology elements

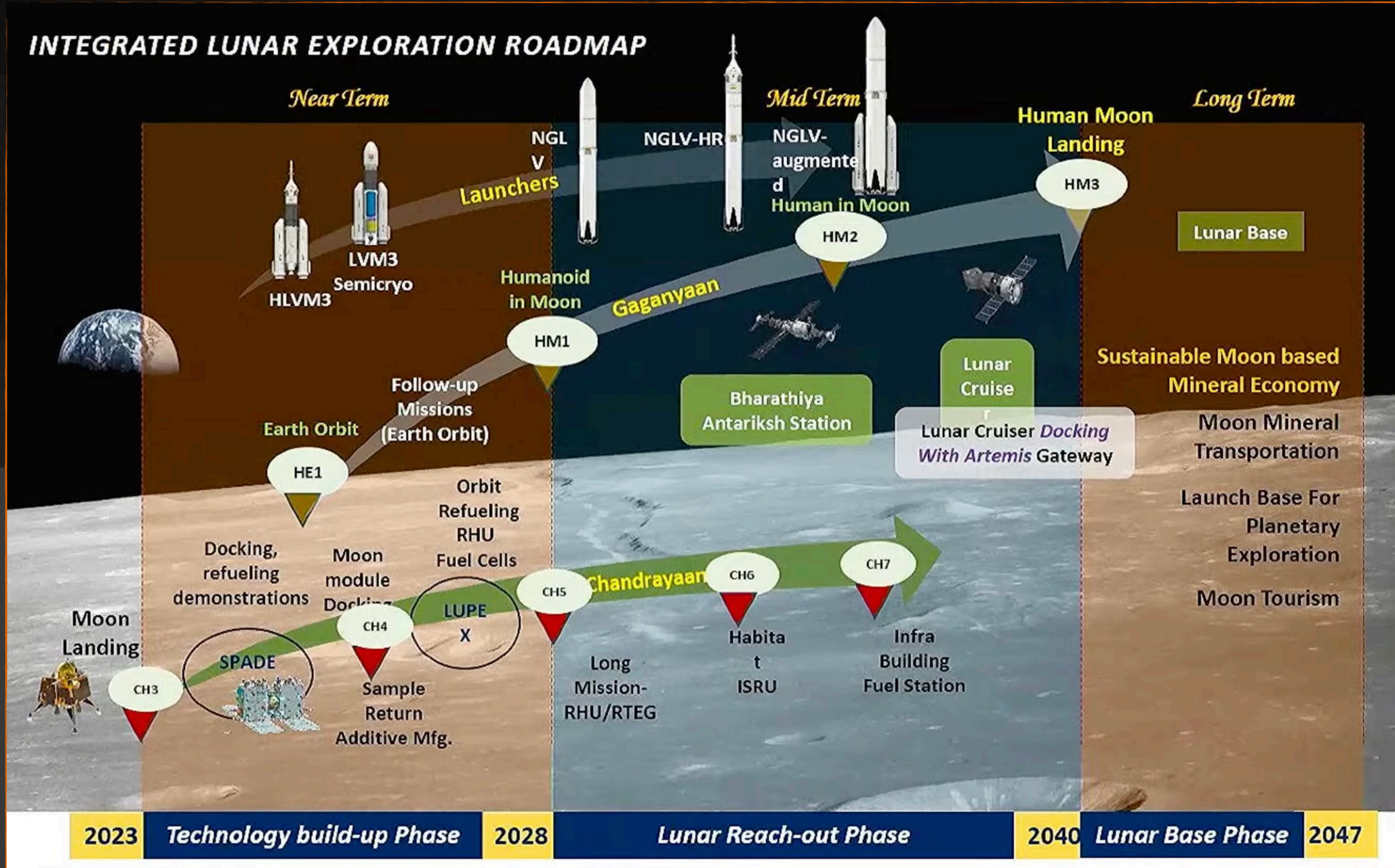
- Lunar Sampler (Robotic Arm)
- Ascender module
- Docking in Lunar / Earth Orbits
- Sample transfer
- Return & re-entry

# International collaboration

SLIM, LUPEX, Artemis, and beyond.

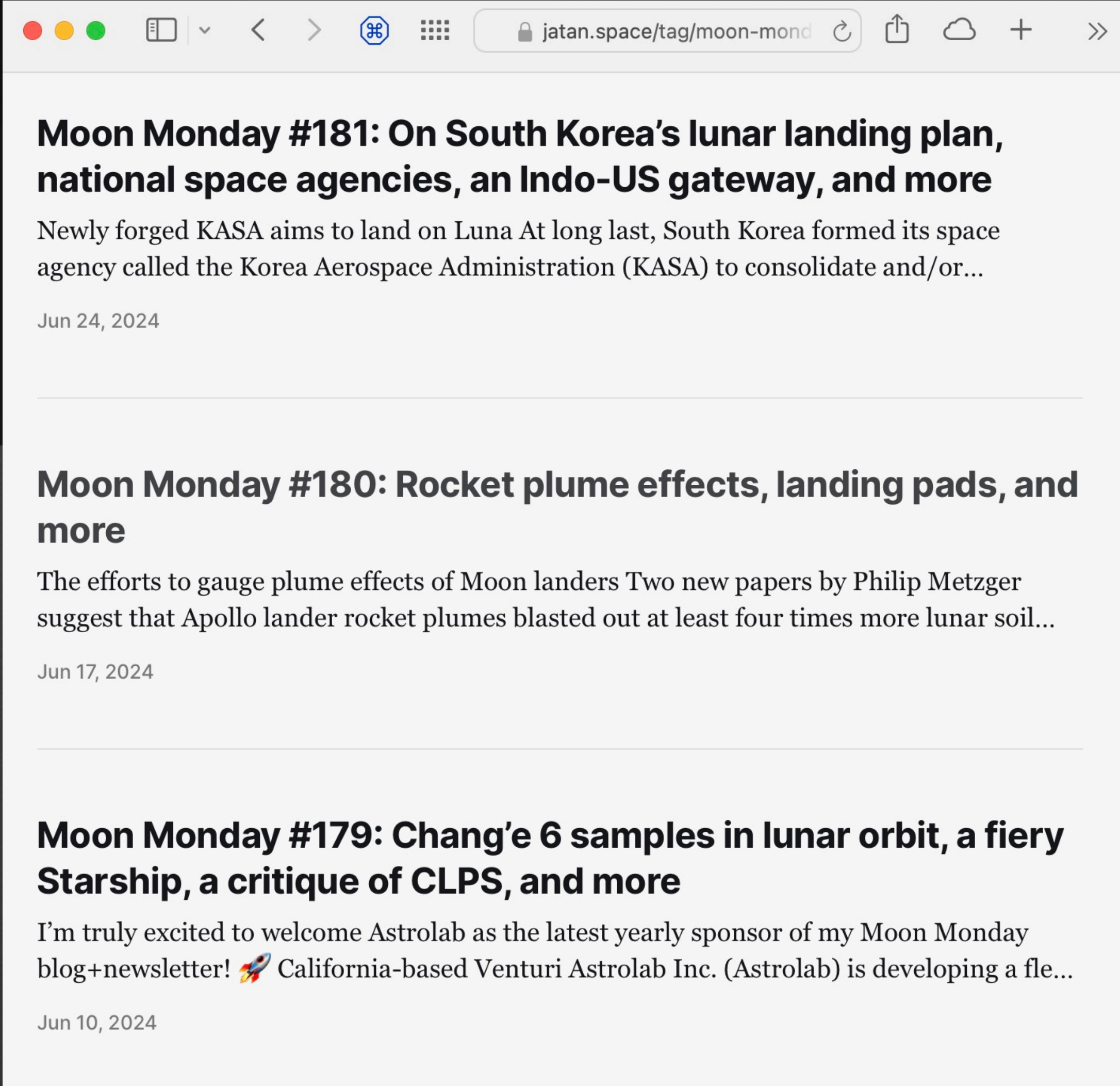


# A notional roadmap tying to the announcement of sending an Indian to Luna



# Too much is happening even for people in the space industry to catch up!

*That's why I publish the Moon Monday newsletter*



The screenshot shows a web browser with the URL `jatan.space/tag/moon-mond`. It displays three articles from the Moon Monday newsletter:

- Moon Monday #181: On South Korea's lunar landing plan, national space agencies, an Indo-US gateway, and more**  
Newly forged KASA aims to land on Luna At long last, South Korea formed its space agency called the Korea Aerospace Administration (KASA) to consolidate and/or...  
Jun 24, 2024
- Moon Monday #180: Rocket plume effects, landing pads, and more**  
The efforts to gauge plume effects of Moon landers Two new papers by Philip Metzger suggest that Apollo lander rocket plumes blasted out at least four times more lunar soil...  
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