INDIA - ISRO Chandrayaan Imagery

Revision 3 - Nov 11, 2024. (Created: 11/9/2024)

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Terms:

1. Apollogist - Defenders of the Moon Landing Faith.
2. MLH - Promoters of the Proof that we hoax the Manned Moon Landings.

Claim - one is a picture of a Surveyor – 3 legs:
https://www.aulis.com/j_white_col2.htm

[A] Summary of NASA Claims and Counter-Claims:

Twice, India's ISRO (space program) has been the source of imagery used to confirm the Apollo 15 landing. First in 2013 using 2009 imagery from Chandrayaan-1, and then again in 2022 using new much higher resolution imagery from Chandrayaan-2..

Claim #1 (2013, Chandrayaan-1):
2013 Claim from ISRO employee Dr. Prakash, uses low-res imagery to claim that a "Light Halo Effect" indicates "surface Disturbance". But this claim diametrically conflicts with the long-held consensus that "disturbed moon soil is darker (not lighter)". Additionally, the same imagery shows many other instances of "Light Halos" where there were no alleged Apollo disturbances. He also makes the claim of visible Rover tracks where there appear to be none. MLH finds Prakash's hypothesis to be critically compromised, calling into question his underlying motives and integrity.

Claim #2: (2021, Chandrayaan-2)
In 2022, Hi-res Imagery from Chandrayaan-2 seems to depict (irrefutably) what appears to be the Apollo 11 and 12 Landing sites, complete with Landers, Surveyor 3 (from 1967 operation), and foot prints that match the patterns of their missions. The imagery is so clear that seems only only leave us to believe one of two main alternatives:

(a) The landings were real, as stated by Apollo journals, or

(b) The imagery was added by a NASA agent with decent Photoshop skills, and saved onto the ISRO source database as the "original source imagery" without leaving a trail.

Option 'A' is what most of the world believes.

But for MLH to hold firm, they must reject 'A', and instead believe 'B', which only requires that ISRO (who is a collaborator with NASA) provide early security access to the NASA-associated (and funded?) imagery. It is highly unusual that neither ISRO or NASA have publicized this imagery on their site, given that this represents the **first-ever** high resolution imagery of **any** Apollo landing site, and they all know that there exist 100's of millions of MLH believers worldwide. Was it **not** worth an hour to post this to the Chandrayaan-2 mission gallery or anywhere else on their website?

2020, 50% of Russians are MLH: https://tass.com/science/1183681
2021, 30 million American MLH:
https://carsey.unh.edu/publication/conspiracy-vs-science-survey-us-public-beliefs

But not worth 5 minutes to upload an image to the gallery? Nor make an announcement?

[B] Evidence of Collaboration between ISRO and NASA:

Part of what makes the ISRO imagery compelling is the notion of "why would India not reveal the NASA hoax?" And so this section shows the significant collaboration that existed between the two entities, making them interdependent. If NASA fails, there will be harm felt by ISRO. ISRO is motivated to NOT betray NASA, and even to "innocently look the other way".

[#1] **2008 Framework Agreement with ISRO:**
https://www.nasa.gov/wp-content/uploads/2023/08/house-approps-action-international-active-as-of-6-30-2023.pdf

Under the NASA-Indian Space Research Organization (ISRO) Framework Agreement, cooperative programs may be undertaken in the following areas: Earth science, observation, and monitoring: Space Science: Exploration systems; Space operations; and other relevant areas of mutual interest....(review agreement for more details regarding what cooperation may be used when implementing....)	2/1/2008

[#2] 2014 NISAR Collaboration: NASA/ISRO partnership begins:
https://nisar.jpl.nasa.gov/mission/isro-partnership/#:~:text=science%20as%20possible.-,On%20Sept.,vehicle%20and%20associated%20launch%20services.

"On Sept. 30, 2014, NASA and ISRO signed a partnership to collaborate on and launch NISAR. The mission is targeted to launch in 2024."

[#3] June 2023 - SFA - Space Flight Agreement with ISRO:
SFA Press Announcement - NASA & ISRO.

[#4] June 2024 Link: ISRO Astronauts training at NASA site.
https://www.youtube.com/watch?v=92aA6Jrf2WE



[C] Claim #1 (2013, Chandrayaan-1):

The first instance occurs in 2013 using 2009 imagery, where a single ISRO employee, Dr. Prakash published a 2-page paper, claiming that a “LIGHT halo effect” was evidence of surface disturbance, which can be viewed here:
Current Science Vol 97

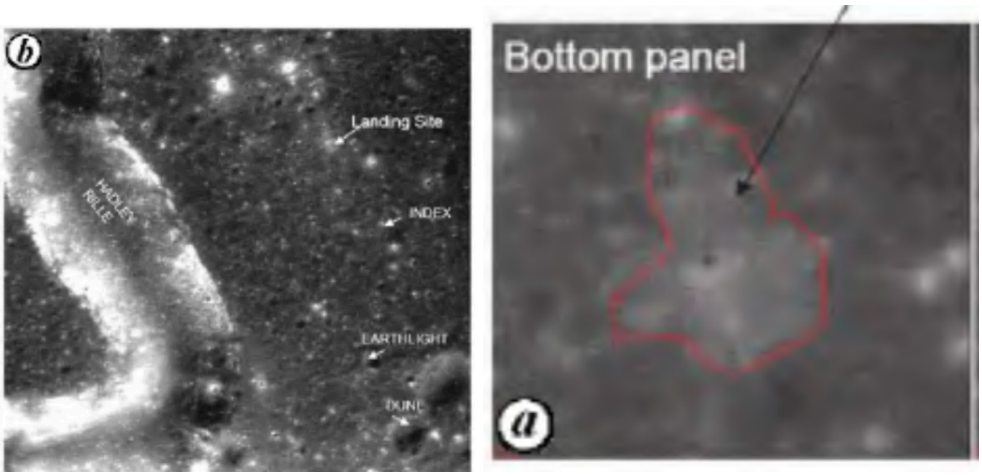
ISSUE #1: Ever since a November 1971 paper, the consensus has believed that disturbed moon surface is DARKER not lighter. This consensus remains today. Dr. Prakash was surely aware of this, when he made his contradicting claim that “disturbed surface is LIGHTER”. Also the 2021 footage from ISRO shows “footprint tracks” as dark (see section ‘C’ of this doc).
https://adsabs.harvard.edu/full/1972Moon....3..456H
https://drive.google.com/file/d/1ul3BdQbLGjkM49WEQgVF4dpP1bR53pa7/view?usp=drive_link
“...it has been known that the lunar surface turns **darker** when it is gently disturbed.”

And a 2nd reference of the same claim here, but adds more sub-claims:
Times of India Article

With Quotes:
“The Chandrayaan-1 images have ***disproved the conspiracy theory*** which had claimed that the Apollo 15 was a hoax”, he said. **<= [#2] Clarifies motive for this failed attempt to disprove.**

"Our images also ***show tracks left behind by the lunar rovers*** which were used by the astronauts to travel on the moon's surface," Chauhan said. **<= [#3] Can you see any tracks below?**

"The disturbed surface is bright," he added. ⇦ **[#4] Contradicts Consensus**
—---
Here are the images from the first link:



3rd Article - with Prakash Claims:

https://daijiworld.com/news/newsDisplay?newsID=65005

"Lunar dust is dark. The disturbances left by the spacecraft and the rovers have caused disturbances which are easily distinguishable. The disturbed surface is **bright**," Chauhan pointed out. ⇦ **contradicts consensus, saying it should be "darker"**

ML Denier Conclusion:

Dr. Prakash seems dishonest with ulterior motives to disprove the ML hoax. His claim of "Lighter" disturbed surface directly contradicts long-term consensus of which he was surely aware. On top of it, he claims his images show Rover Tracks, which clearly they do not. And he also pretends that the "halo" at the landing site was not a common pattern found elsewhere.

Questions for Claim #1:

1. Why would Prakash make a claim that blatantly contradicts the scientific consensus about the DARKENING of the surface when it's disturbed?

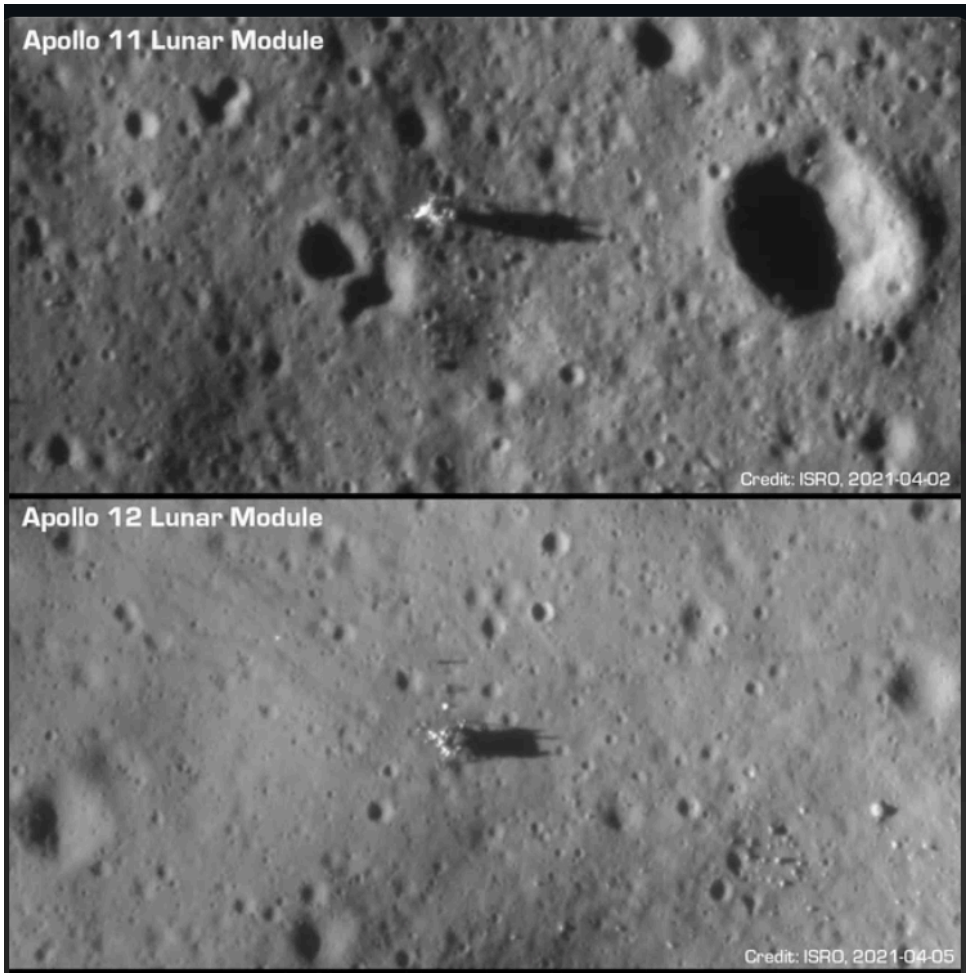
2. Why would Prakash claim these images show "Rover Tracks" for this low resolution?

3. If this was blatant proof against the ML Hoax which is believed by 100's of millions of people worldwide, why wait until 2013 to make a point of it using 2009 images?

4. Do you believe it is reasonable to conclude that Prakash's claims here are dishonest?

[D] Claim #2 (2021, Chandrayaan-2 Hi-Res):

This higher resolution imagery instills confidence from the onset. With distinct shadows, shapes, and human footprint trails to match the Apollo journals, this seems very compelling at face value. (Images from https://www.backyardastronomyguy.com/apollo-isro)



This imagery has been verified by MLH, confirming that the ISRO original data source **does** contain this compelling imagery.

If you were to accept this imagery as unmodified and true, you would also likely be compelled to accept that the moon landings really happened. Currently, most people do exactly this.

[D-2] ISSUE: ISRO and NASA are NOT Proclaiming Apollo Confirmation!

ISRO has multiple pages dedicated to Chandrayaan-2, even a Gallery. But nowhere on their site do they profess that their imagery shows the Apollo 11 or 12 landing sites! Why?
https://www.isro.gov.in/mission_GSLVMKIIM1_Gallery.html
https://www.isro.gov.in/Chandrayaan2_science.html
https://www.isro.gov.in/Chandrayan_2.html

This was a huge deal, because Apollo 11 represents "Man's Greatest Achievement", which has NEVER been captured at high resolution before. NEVER. This was a First. So why didn't this claim "make the cut"? It doesn't appear to be anywhere on the ISRO website at all.

Nor does it appear to be on any NASA owned website.

There are no records of a direct claim from ISRO or NASA leadership or press announcing these awesome FIRST EVER images!... None. Why?

The ONLY claims we have are sourced from 3rd party unaffiliated "enthusiasts" like Backyard Astronomy Guy, and in one case, in a recruiting webinar, a low-level ISRO employee (see below).

Lone Anomaly: Low-Level ISRO Employee Presents the Image, buried in Webinar:
Here is the link which shows the imagery for 133 seconds, buried midway into a 3.2 hour webinar targeted at hiring new employees. The presenter has 1.7 yrs of tech school, and no stated degree (so maybe an Associate's degree at best?).
https://youtu.be/vQj6oKgKeKc?t=5064

Here is the presenter's info, Amitabh.
https://www.researchgate.net/profile/Amitabh-Amitabh

ISRO currently has over 19,000 employees. Just because one of their low-level employees thinks this imagery is authentic, is of no significant consequence. We do not consider one instance of a low-level employee (out of 19,000) to interpret this as "look, ISRO is proclaiming they showed the Apollo Landing sites!"
https://en.wikipedia.org/wiki/ISRO <= 19,000+ ISRO employees

Questions:
Why wouldn't either NASA or ISRO want to promote (at all) this First Ever high-res imagery of the Apollo 11 and 12? (since 1969)

Of the 0.1% of the Moon's surface covered to date at High Resolution, they captured Apollo 11 and 12 sites - but couldn't take an extra hour to show it? Keep this question in mind, as you read the next section about the ML Denier proposed alternative.

[D-3] One MLH Explanation of Chandrayaan-2 Imagery:

Since NASA and ISRO are interdependent (see section 'B'), ISRO is motivated to keep NASA healthy. Yet at the same time, ISRO would not want to cast doubt on its own integrity. So how could this imagery become modified and then stored as "original imagery" with the lowest risk for ISRO? MLH has an easy solution in mind.

Chandrayaan-2 has already delivered 208 payloads of imagery for various focal areas on the moon. Of this 208, only 2 were for Apollo. We believe it seems likely that NASA had provided some funds for this imagery for these two sites.

As it appears that for some ISRO data, NASA is actually the one who receives the data. At which point, a single NASA agent with decent Photoshop-like skills could alter the imagery overlaying the Apollo 11 and 12 graphics. Then simply resave the original data and erase any traces that it was modified. No one else (except upper admin) would ever know.

MLH - Proposed Conclusion (or similar):

ISRO simply gave NASA security access to this data. Nobody from ISRO reviewed the actual original footage. NASA had one agent with common Photoshop skills, modify the imagery, resave it, and replace the actual original content with this modified content. No one would ever know. The reason ISRO and NASA are NOT making any deal of this, is for plausible deniability.

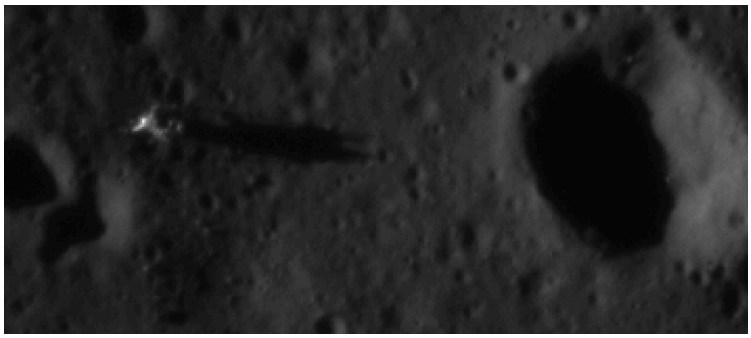
Why Doubt the Authenticity of this Imagery?

For many dozens of very compelling reasons, MLH believes the existing evidence overwhelmingly indicates that we did not land on the moon. Therefore, since there is a "feasible alternative" to the mainstream narrative, that makes this imagery "weak proof of the Apollogy" and shouldn't hold much weight. It's not "INDIA lying for us" - they made no announcement at all, and ISRO and NASA are tight collaborators here. A single anonymous NASA agent replacing this 500 MB data with a modified version - would be too easy to do. And since they didn't announce it, they are not obligated to authenticate it either!... Plausible deniability.

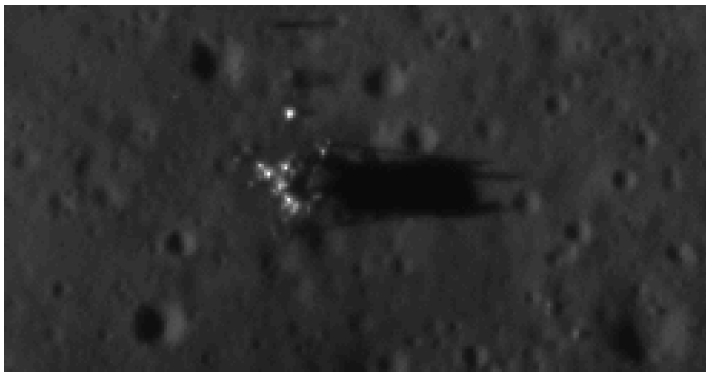
[E] Appendix - Miscellaneous Links, References, Logic

During the composition of this document, we reproduced the work of extracting the close up imagery of the Apollo 11 and 12 sites, to confirm that it really exists inside the ISRO source data. Shown here:

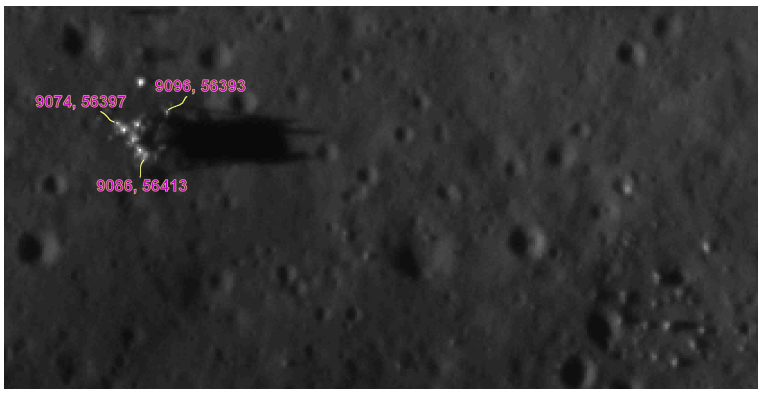
Apollo 11:



Apollo 12:



Apollo 12 - marked with pixel positions to be used for measuring



Presenter is: (Shri Amitabh, Scientist, SAC)
1.7 years of college (Remote Sensing, Associates Degree?)
https://www.researchgate.net/profile/Amitabh-Amitabh



Amitabh Amitabh

Indian Space Research Organization | ISRO · signal & Image Processing
M Tech.

Education

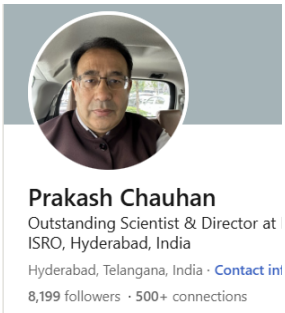
May 1998 - January 2000

Birla Institute of Technology, Mesra

Field of study
Remote Sensing

2013: Senior ISRO Scientist: Dr. Prakash Chauhan, Sr. Scientist
https://www.nrsc.gov.in/Aboutus_org_Director?language_content_entity=en
https://www.linkedin.com/in/prakash-chauhan-84330460/?originalSubdomain=in





Prakash Chauhan
Outstanding Scientist & Director at
ISRO, Hyderabad, India
Hyderabad, Telangana, India · Contact in
8,199 followers · 500+ connections

Influencer? 8200 followers is a lot.

Related Posts from Jarrah White:

https://www.aulis.com/j_white_col2.htm?fbclid=IwY2xjawGetR1leHRuA2FlbQIxMAABHS4M52KWp5Fh_ghdCyUmCFZMIh5mo2jJQTIkjzGXN_IytTBfIOJnDGZxLA_aem_-8pXPeHQioVxmixJ4kRFww

https://www.aulis.com/j_white_col4.htm?fbclid=IwY2xjawGevBRleHRuA2FlbQIxMAABHd9XlA9Moq9c9WPvkCQrOpb43If4SorrjyDc1sOYbF5pkmZ-5AwRO-D1bQ_aem_vu8EPxWnBXtWtjocZqrQ4A

ISRO(2021) vs NASA LRO(2011) vs Korea KARI(2022)

