

Apollo 15: Lunar Rover

INST 154

Apollo at 50

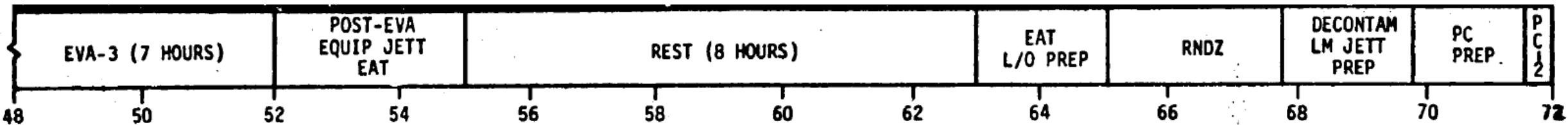
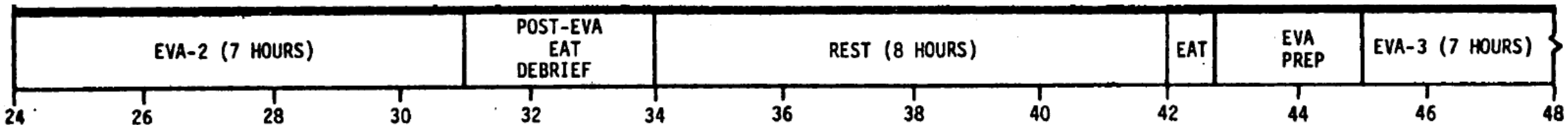
Cancellations

- January 1970
 - Apollo 20 was cancelled to provide a Saturn V for Skylab
 - Apollo 18 and Apollo 19 were delayed until after Skylab to provide a backup
- April 1970
 - Apollo 14 was assigned to repeat the aborted Apollo 13 mission to Fra Mauro
- September 1970
 - Apollo 18 and 19 were cancelled for financial reasons
 - Apollo 15's planned H mission was converted to a J mission
 - Apollo 16 and Apollo 17 would also fly J missions, as originally planned



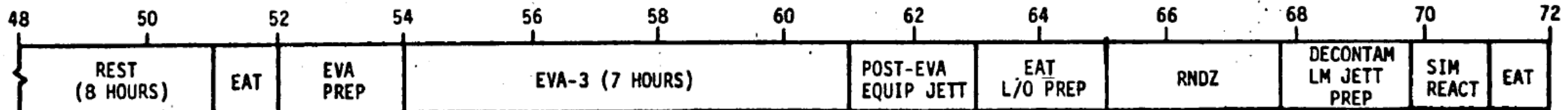
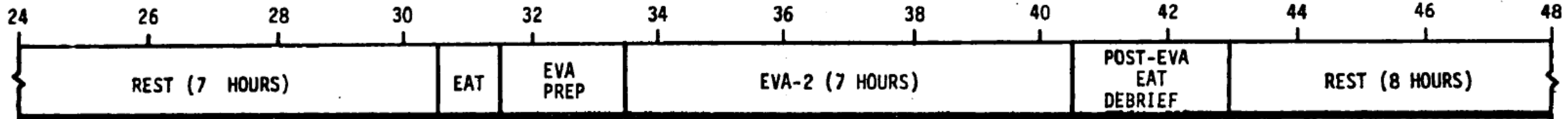
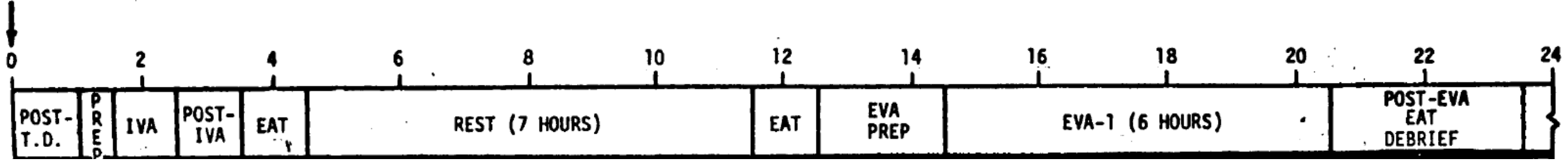
EVA-First Plan

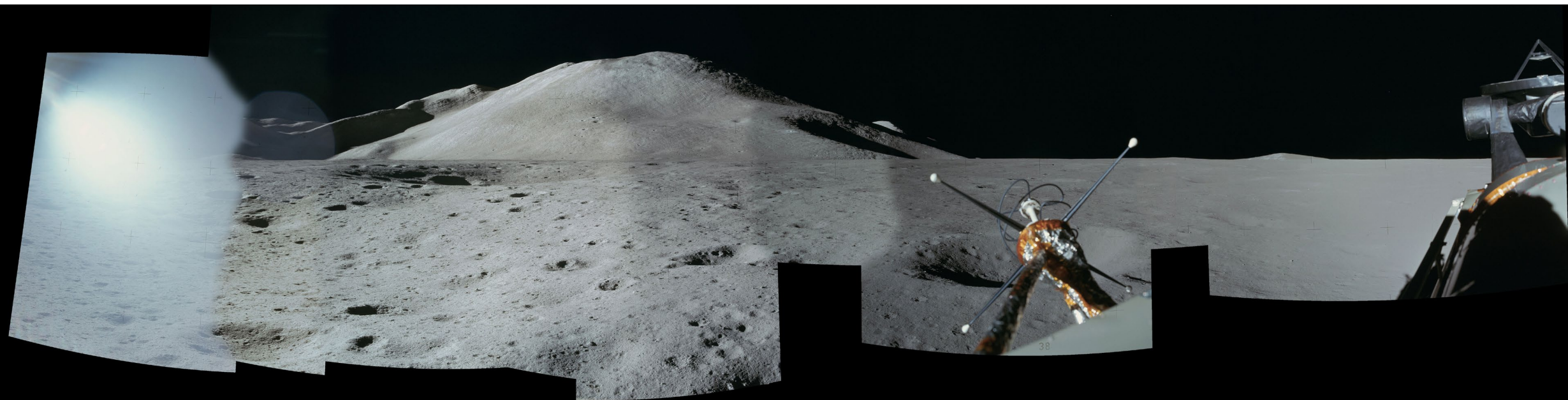
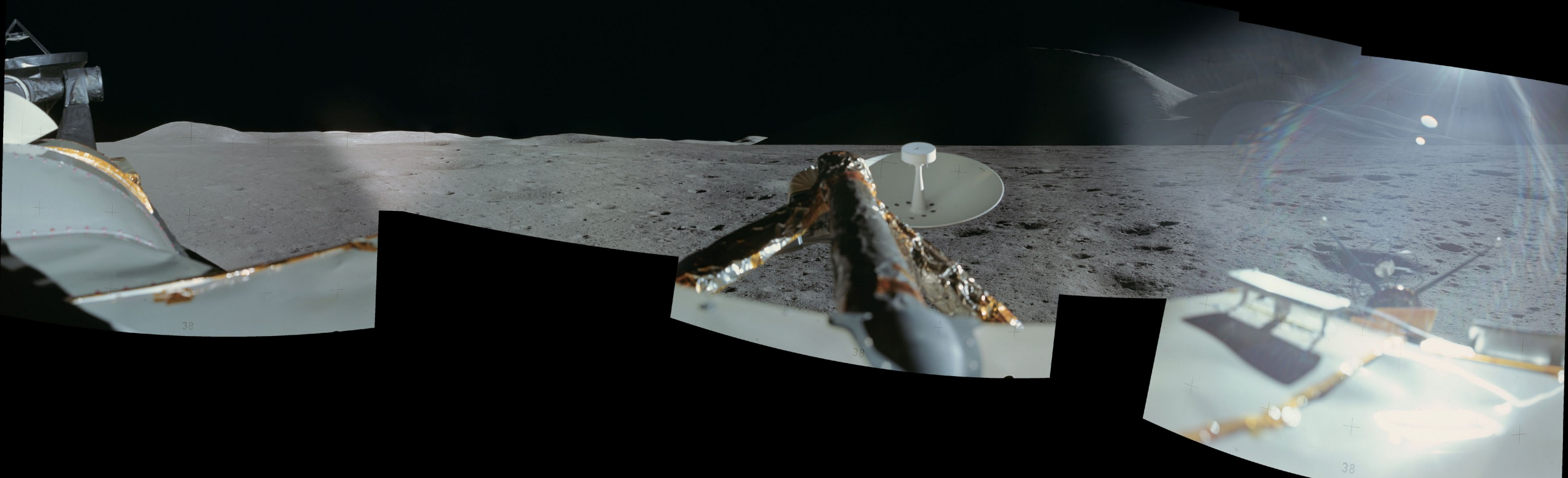
TOUCHDOWN

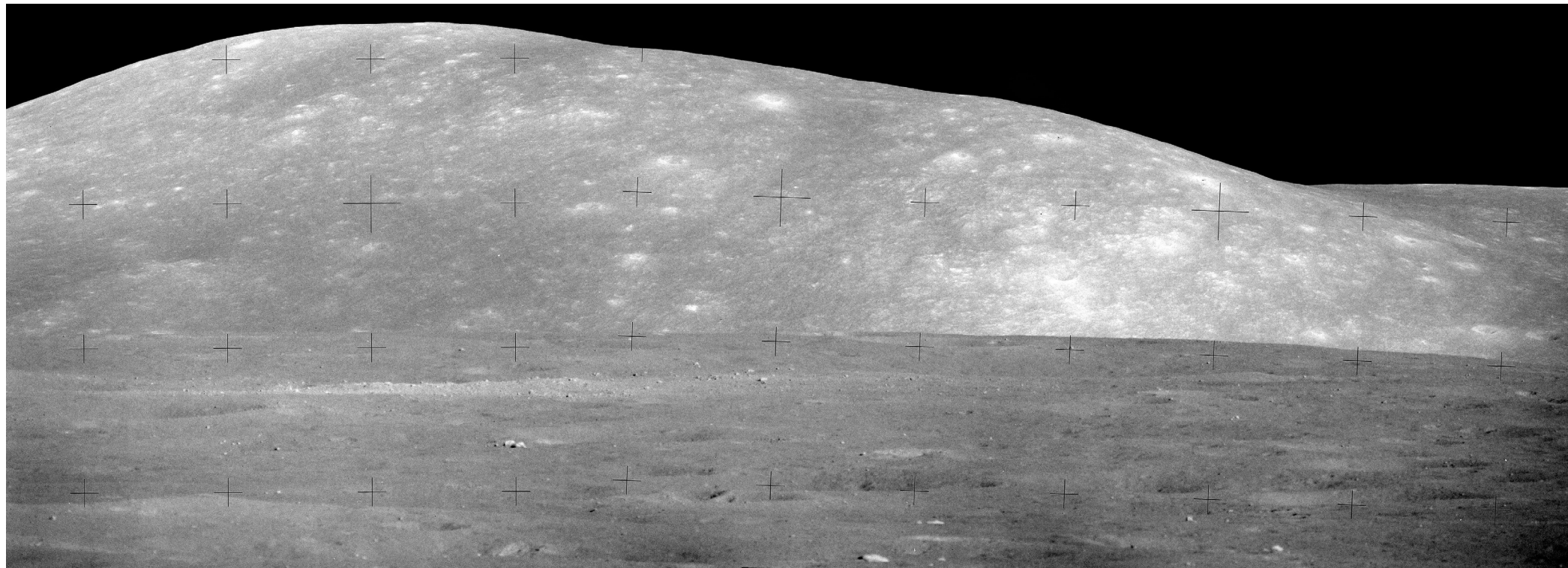
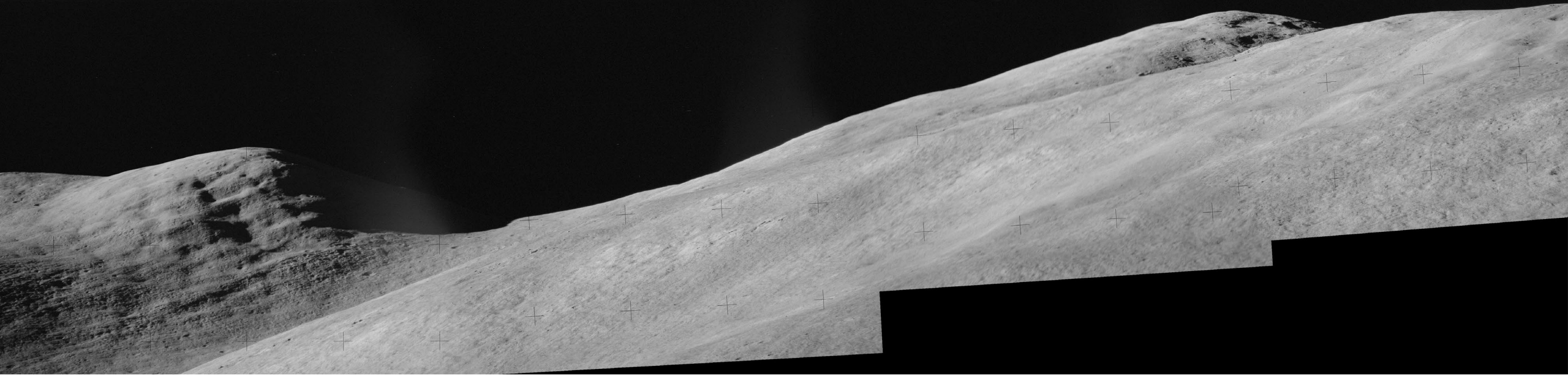


Sleep-First Plan

TOUCHDOWN

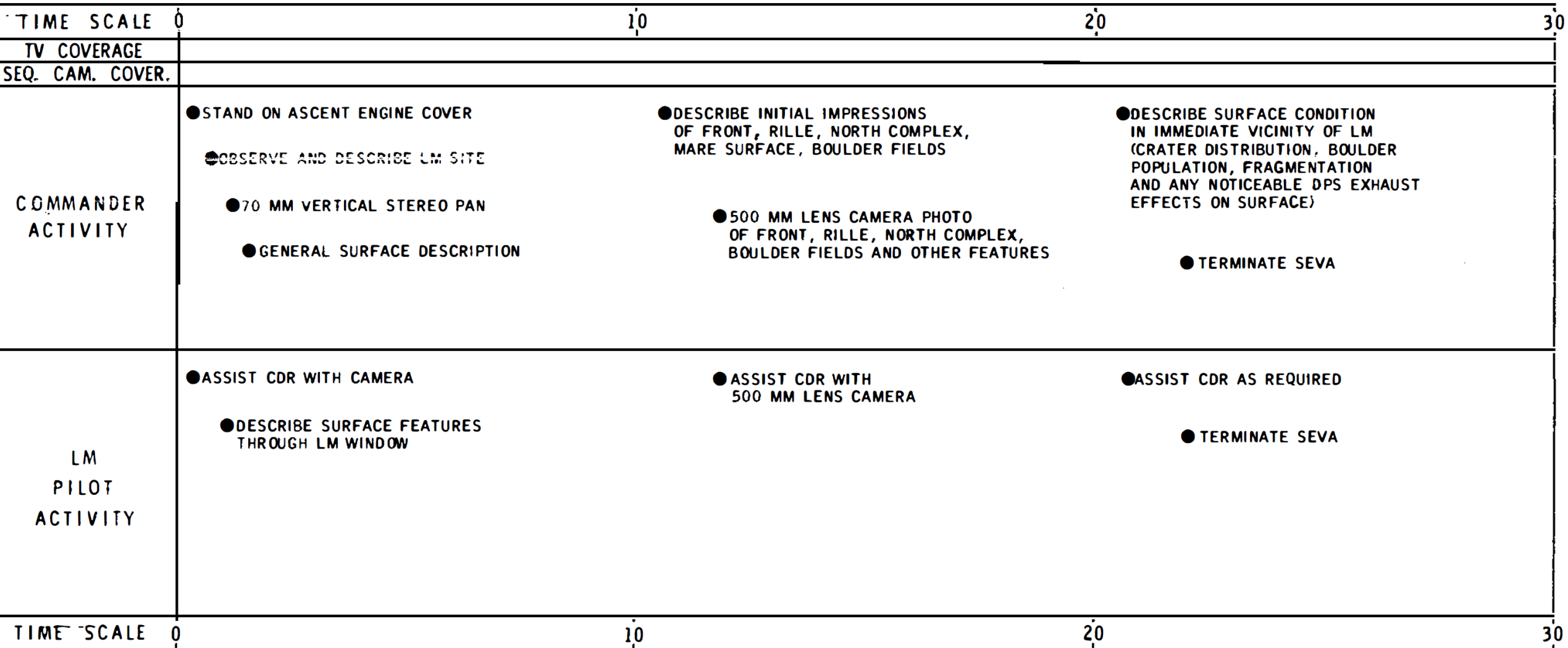






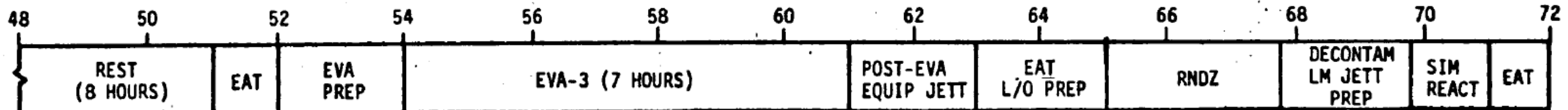
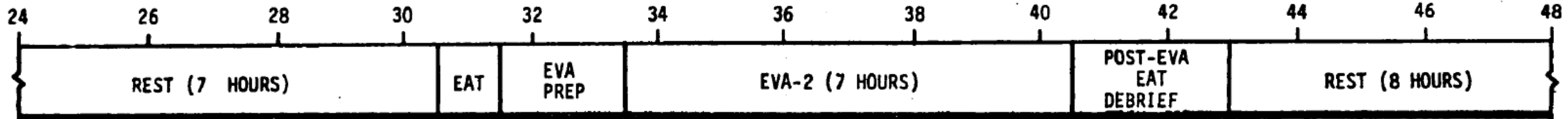
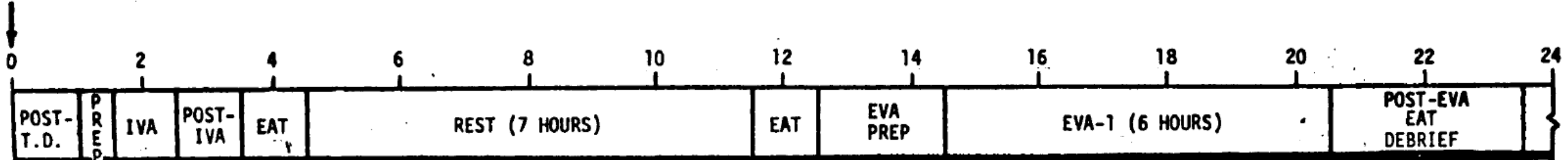
APOLLO 15 SUMMARY TIMELINE

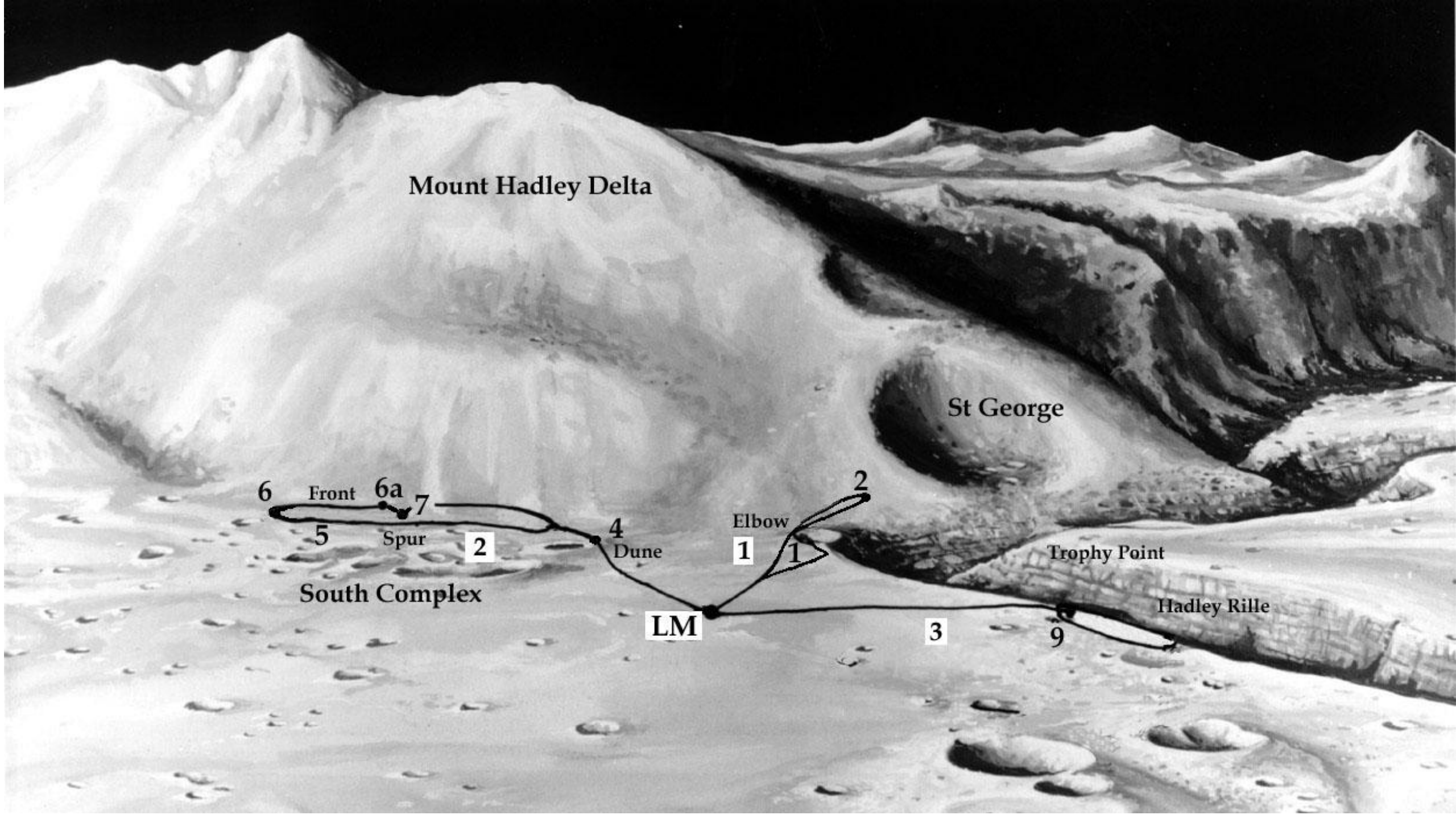
LUNAR SURFACE SEVA



Sleep-First Plan

TOUCHDOWN





Mount Hadley Delta

St George

6 Front 6a 7

5 Spur

2

4 Dune

Elbow

1

2

Trophy Point

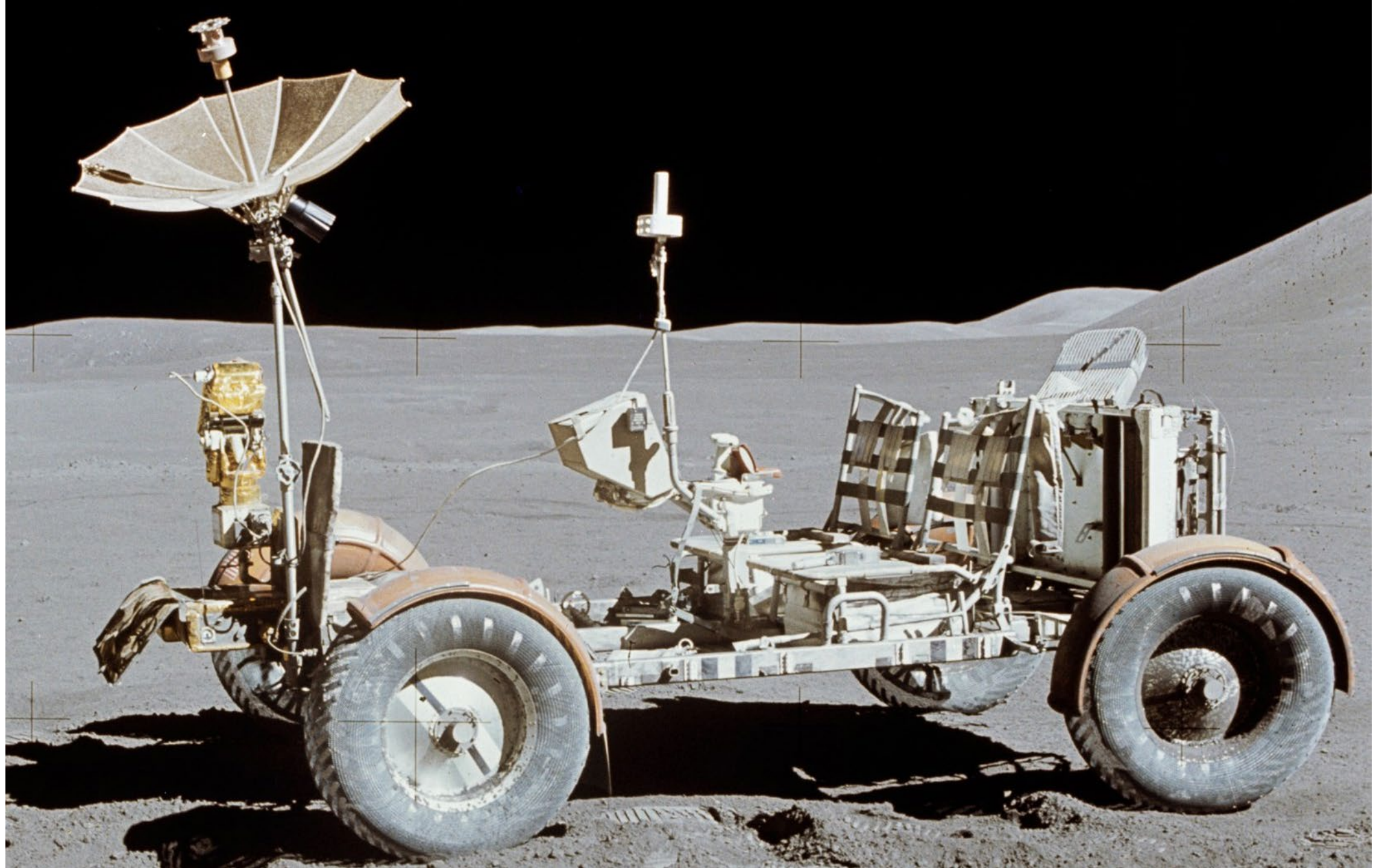
South Complex

LM

3

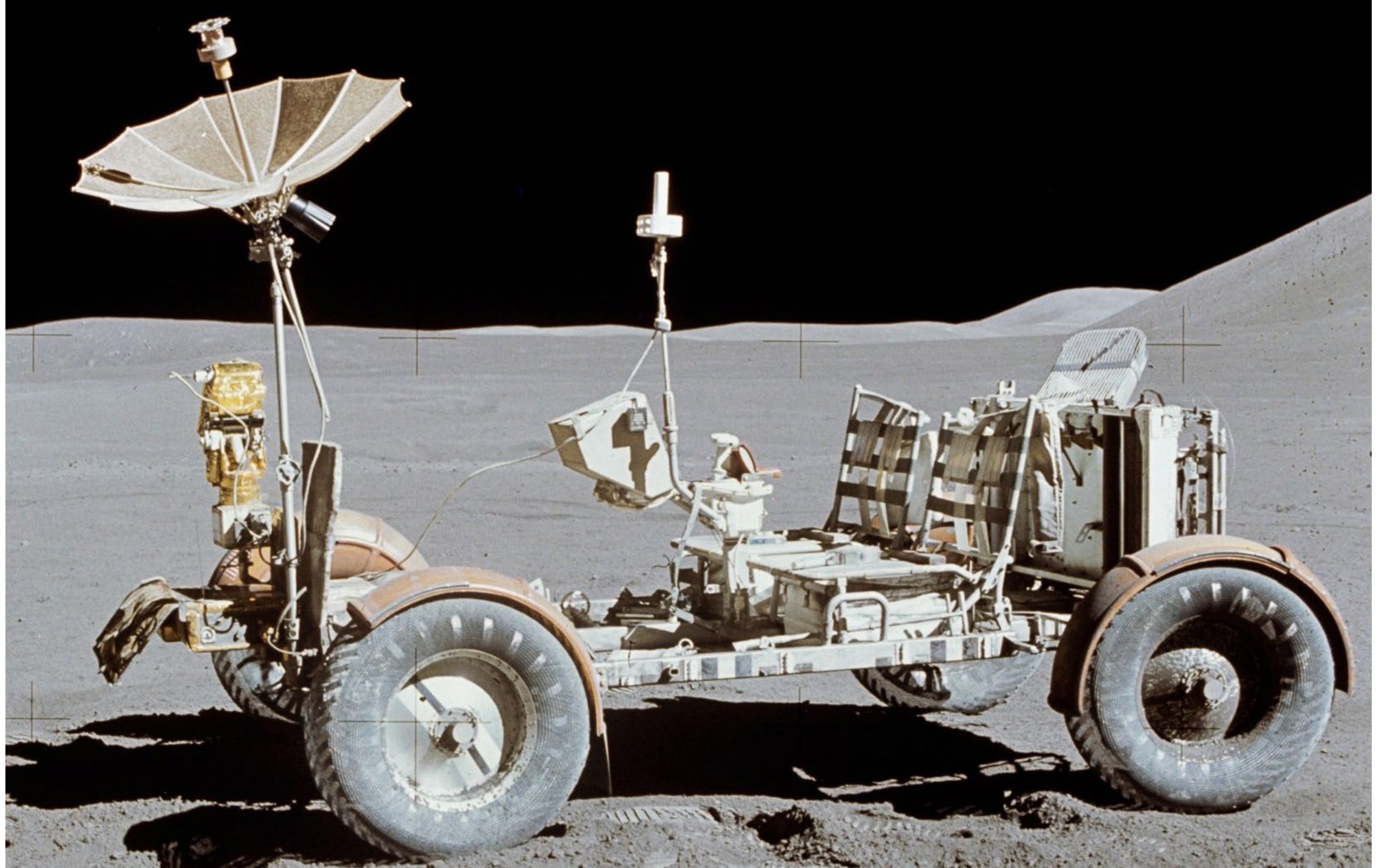
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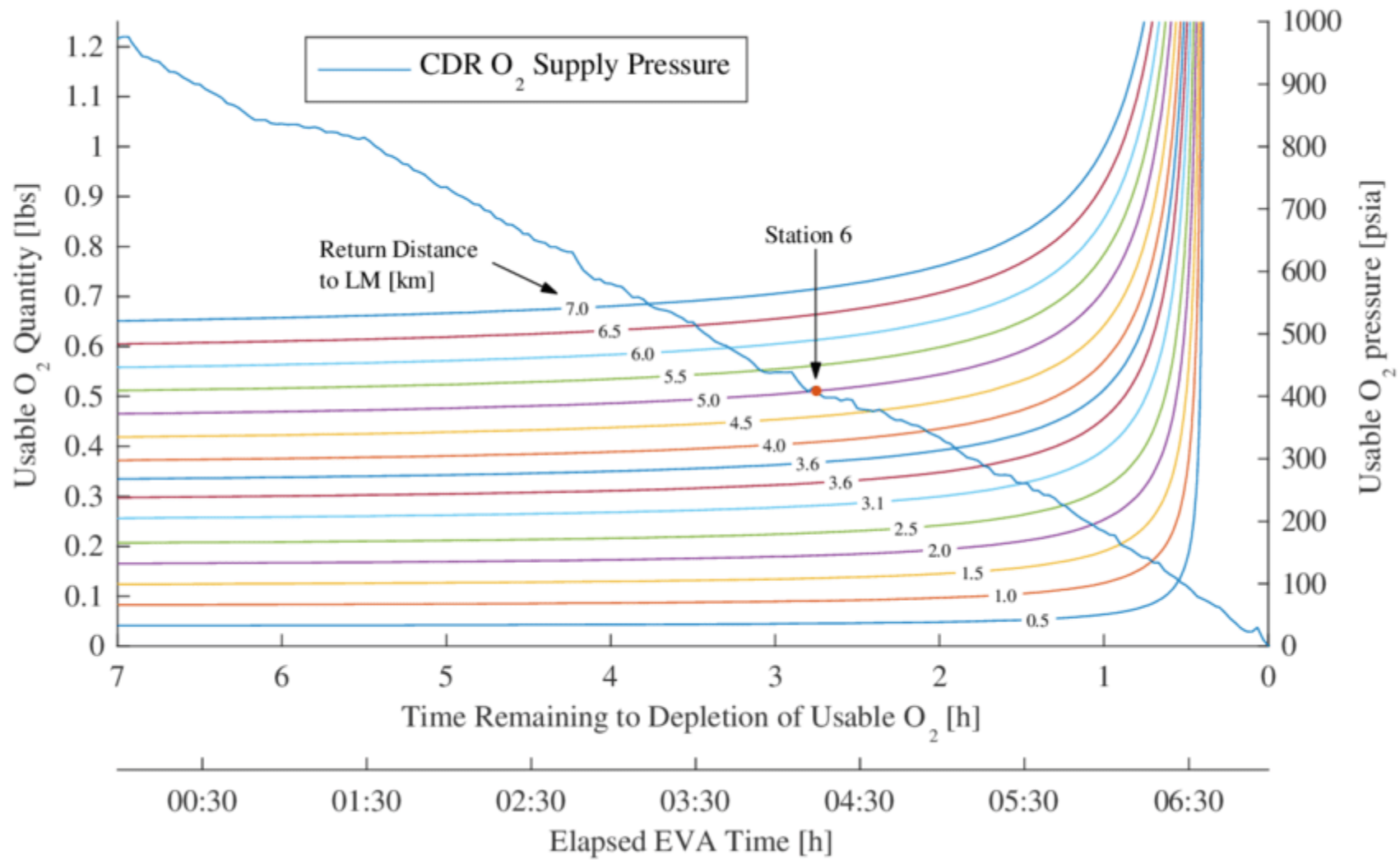
Hadley Rille



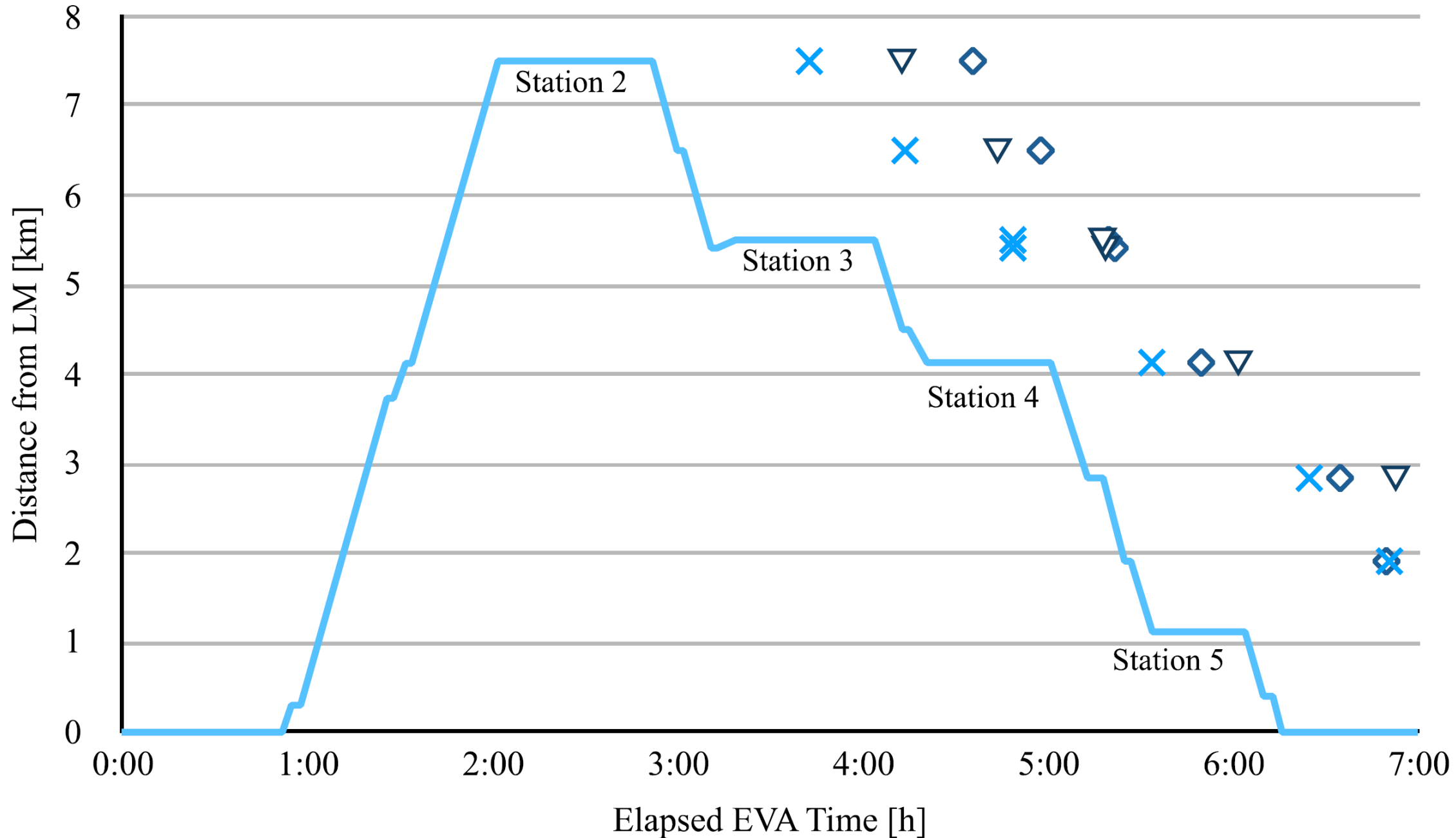
Animation



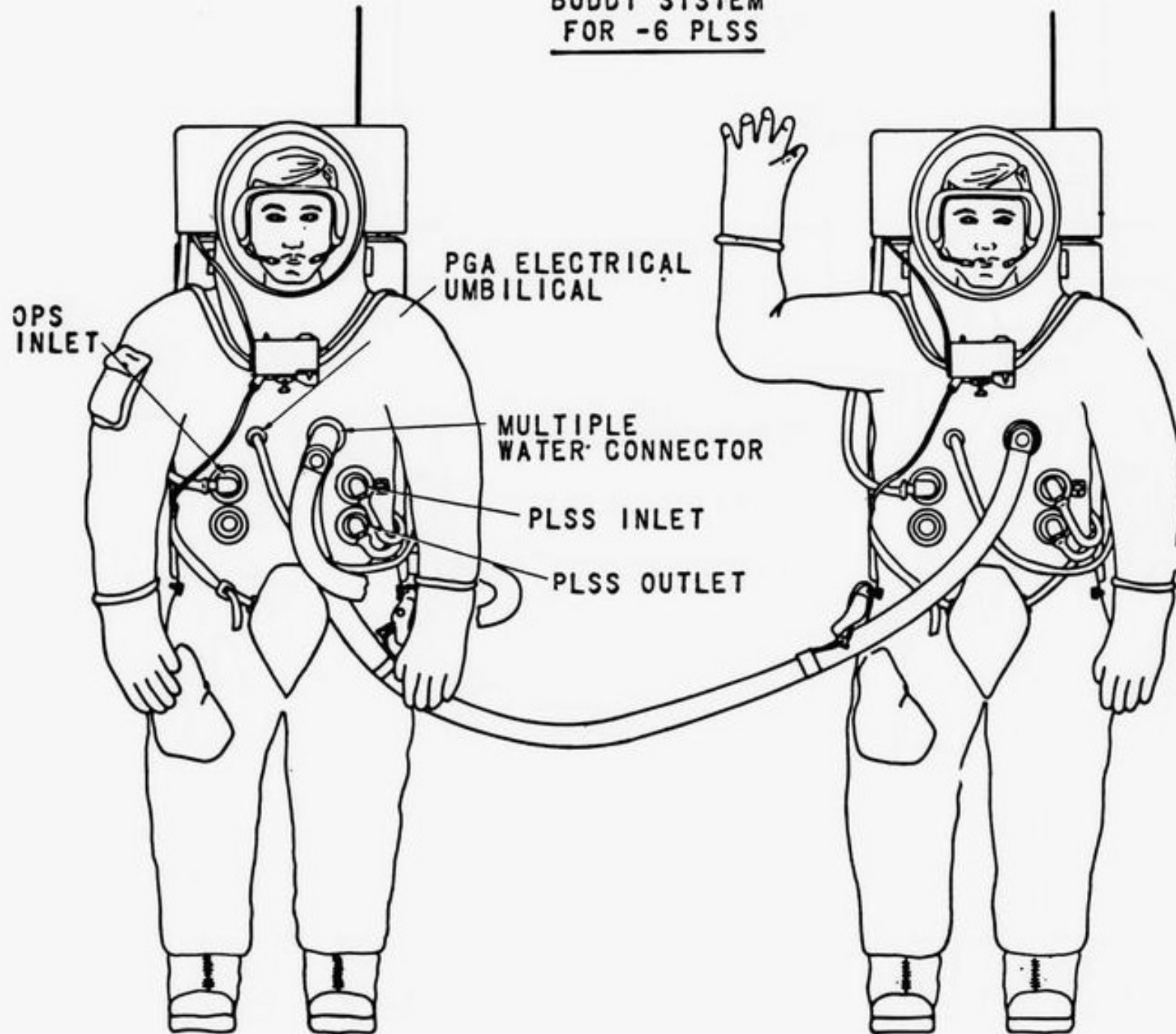




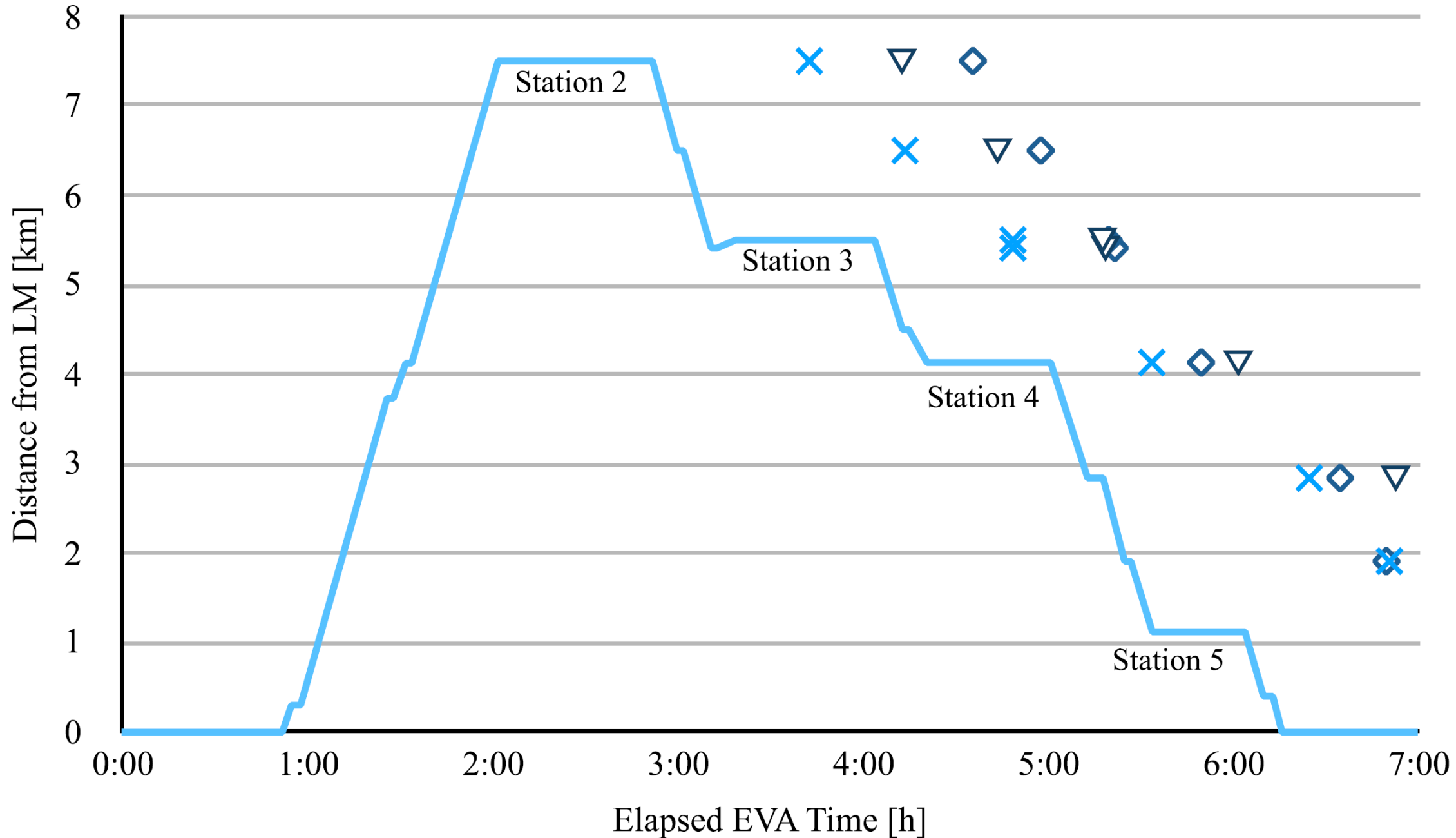
× Oxygen Margin ◇ Battery Charge Margin ▽ Feedwater Margin



BUDDY SYSTEM
FOR -6 PLSS



× Oxygen Margin ◇ Battery Charge Margin ▽ Feedwater Margin



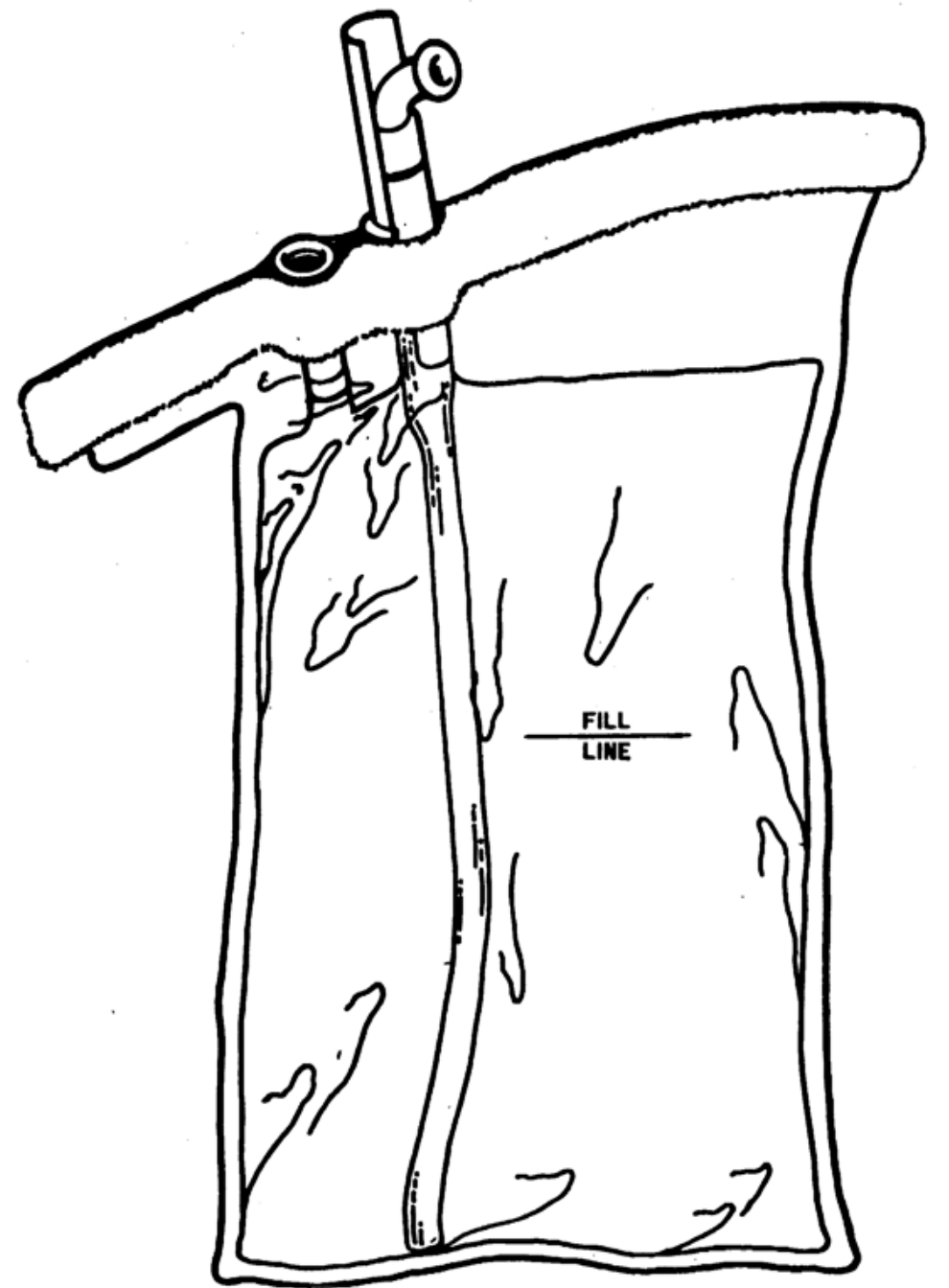
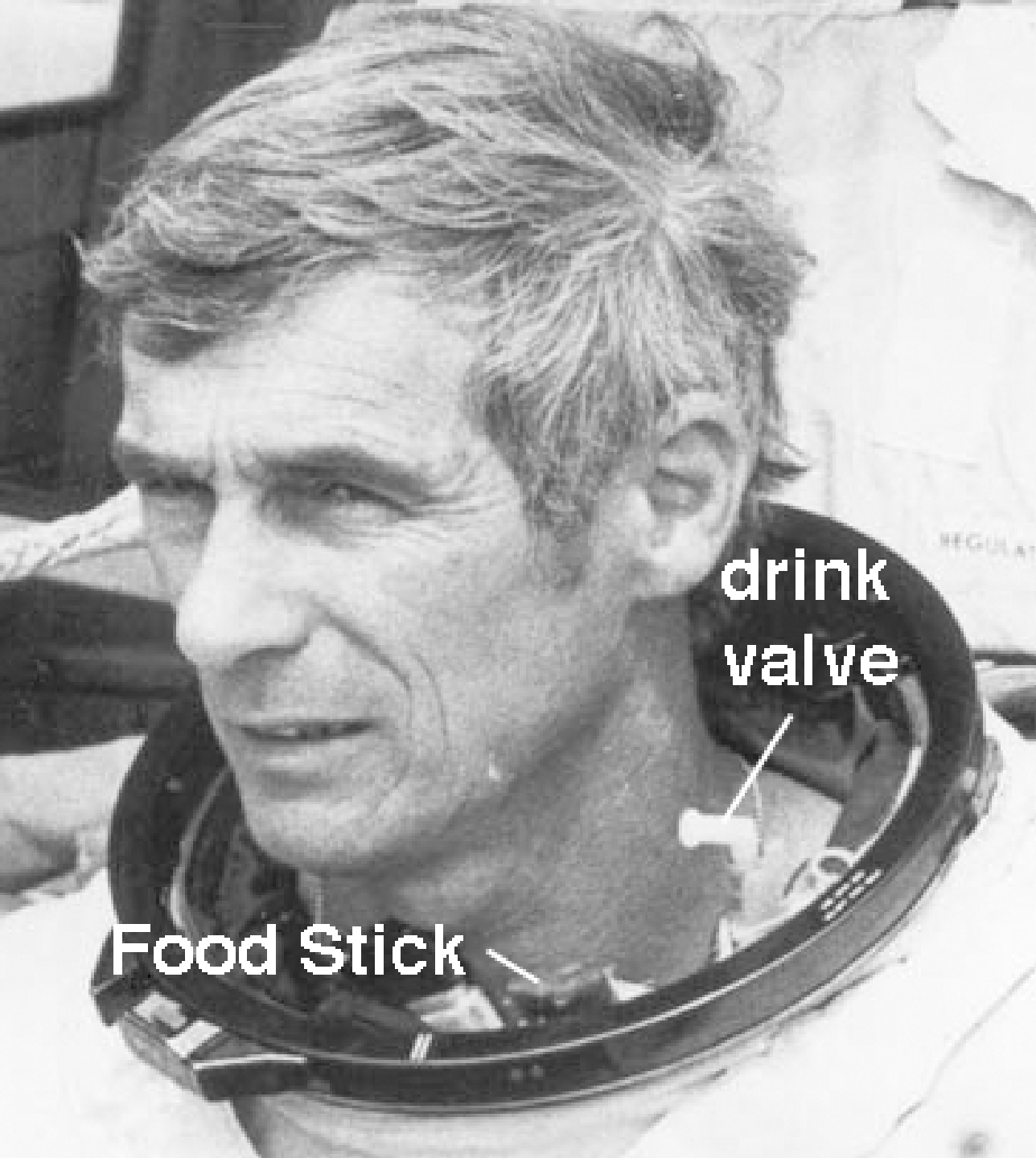
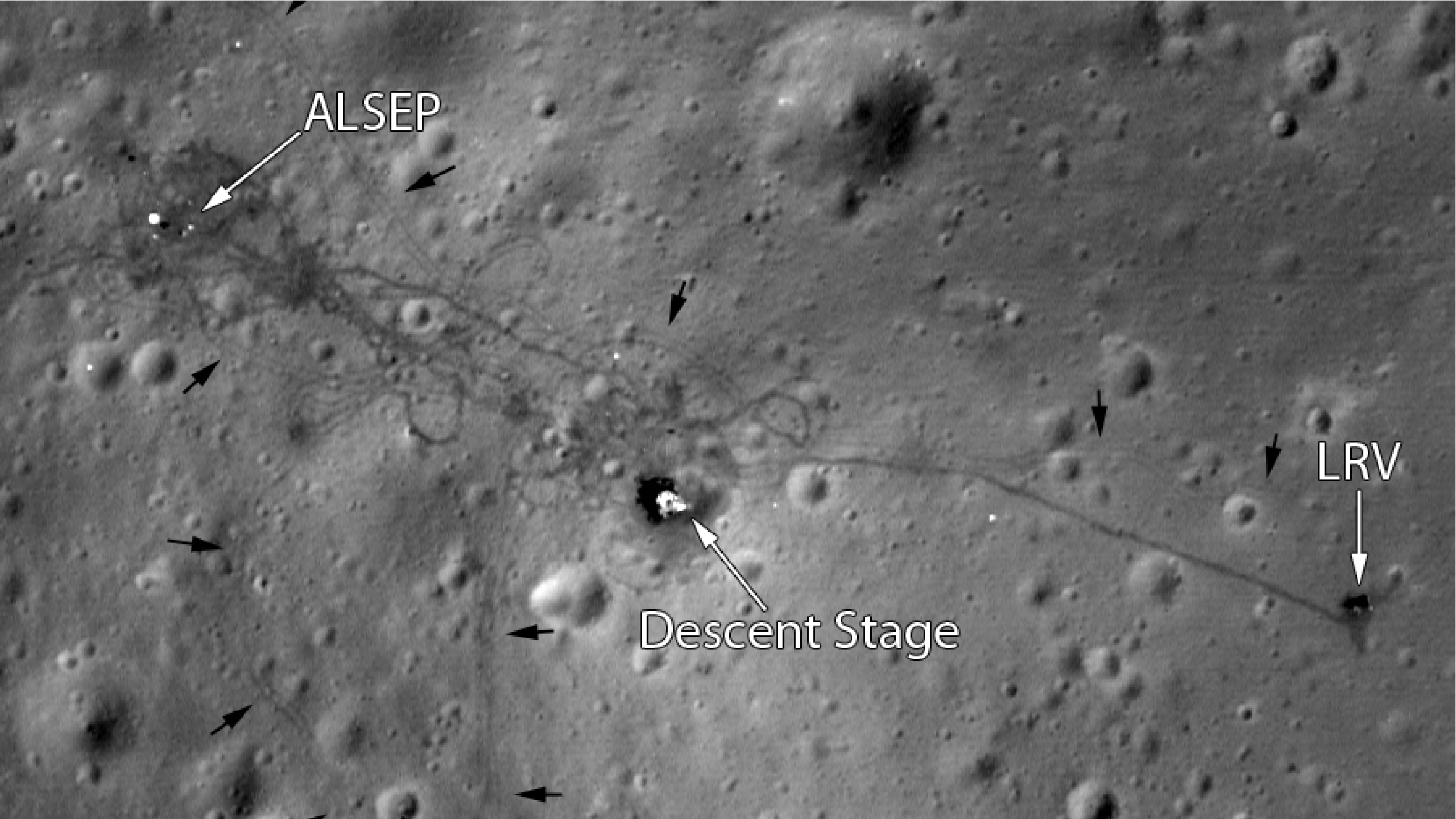
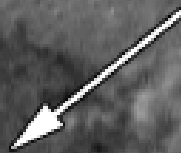


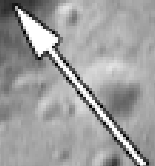
Figure 2-26.- Insuit drinking device.



ALSEP

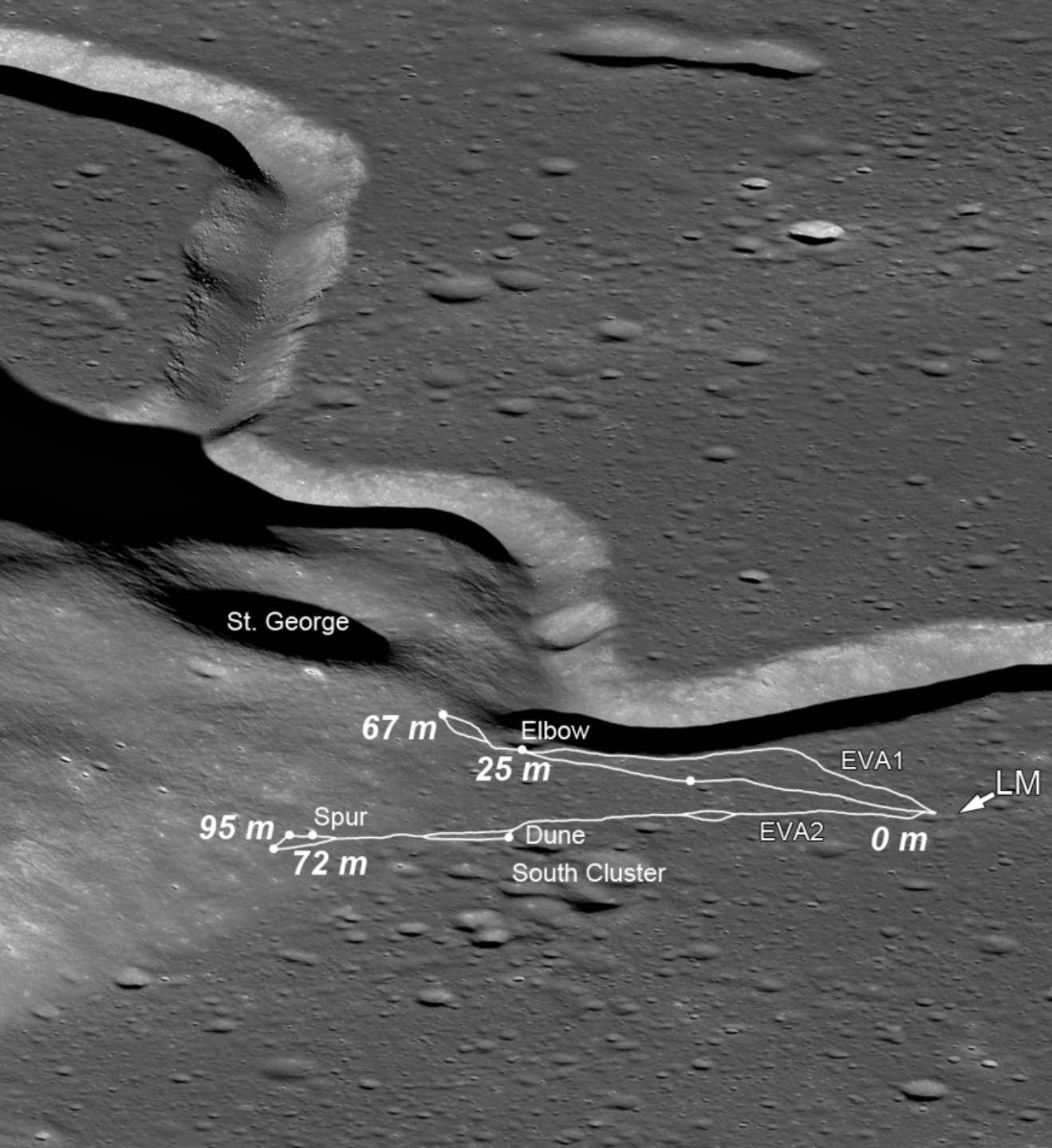


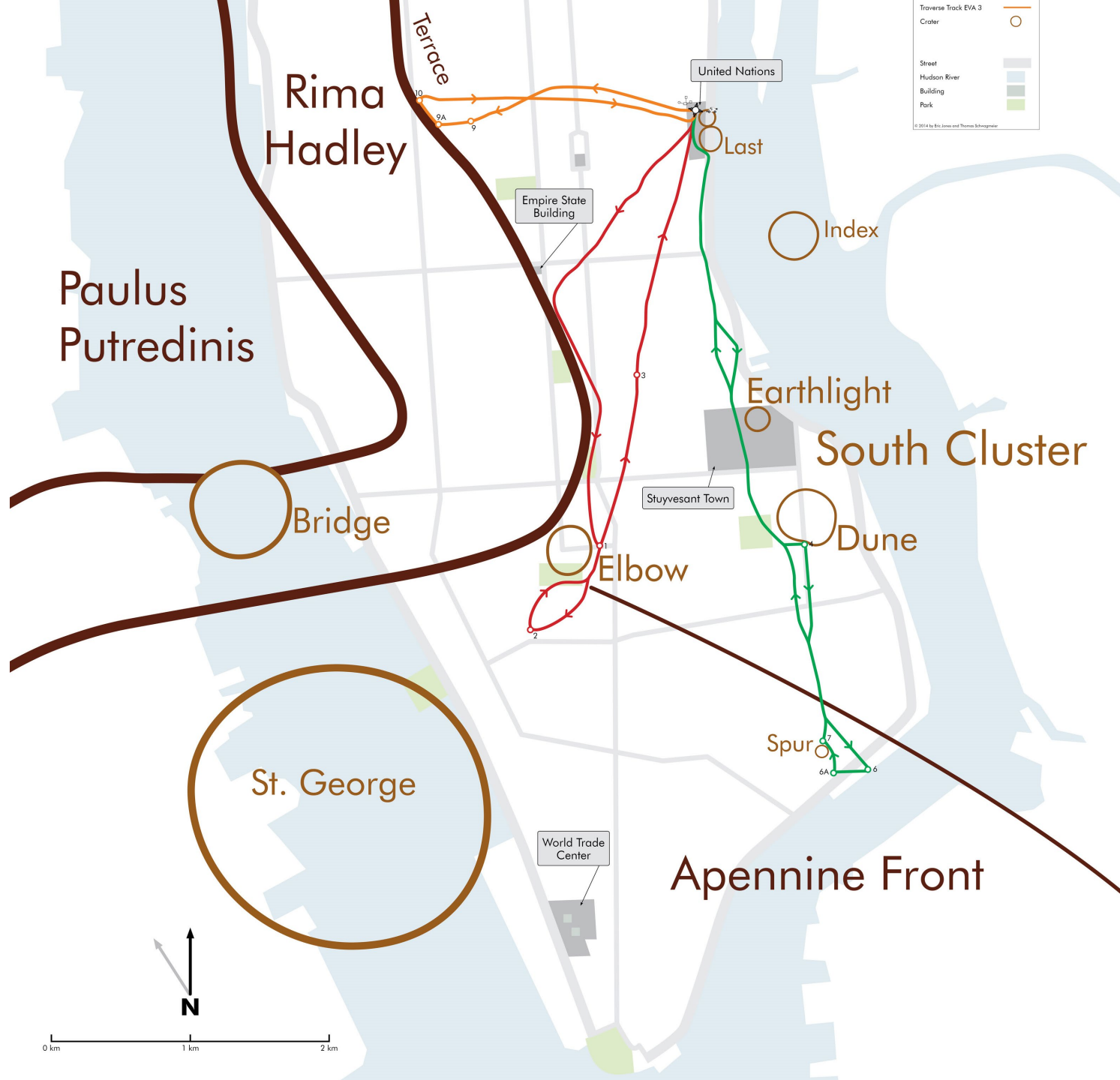
Descent Stage



LRV

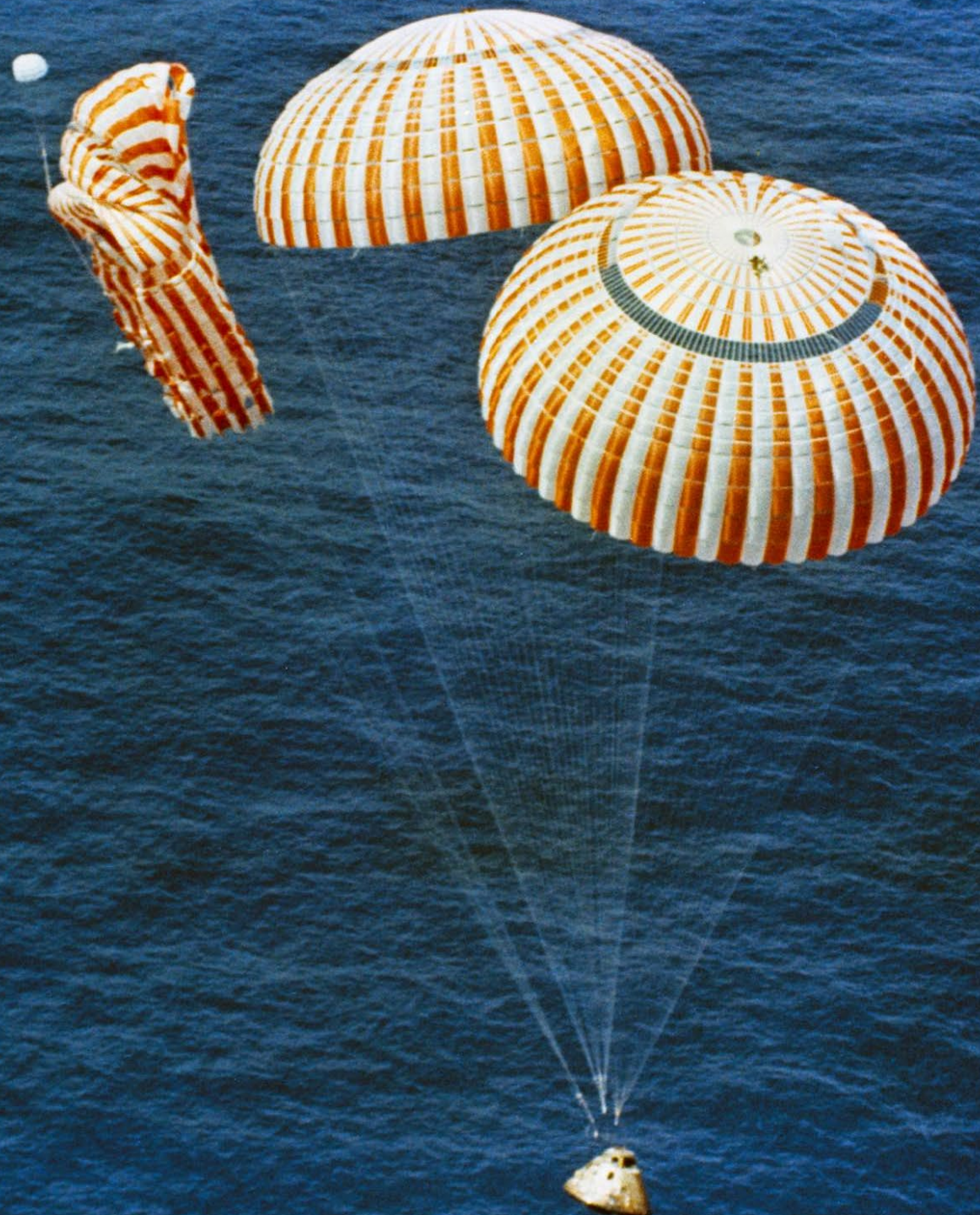












Discussion Groups

- Worden and El Baz video
 - A discussion of the science performed in Lunar Orbit
- **Chaikin Chapter 11 (“To the Mountains of the Moon”)**
 - **The astronaut’s view of Apollo 15**
- Harland Chapter 5 (“The Wonder of the Unknown at Hadley-Apennine”)
 - A detailed look at the Apollo 15 moonwalks
- Apollo Lunar Surface Journal
 - Annotated transcripts from the lunar portion of the mission

Tweeting Apollo 12: Sleep Periods (so far)

- Nov 14: wake 6:05 AM (launch 11:22 AM)
- Nov 15: sleep 4:47 AM, wake 3:15 PM
- Nov 16: sleep 6:28 AM, wake 4:18 PM
- Nov 17: sleep 8:39 AM, wake 5:20 PM (LOI 10:47 PM)
- Nov 18: sleep 7:48 AM, wake 4:16 PM
- Nov 19: (land 1:55 AM), (moonwalk), sleep 1:59 PM
- Nov 20:
- Nov 21:
- Nov 22:
- Nov 23:
- Nov 24:

Apollo 17 Readings

- **Chaikin Chapter 13 (“The Last Men on the Moon”)**
 - **The astronaut’s view of Apollo 17**
- Heikin Chapter 8 (“Boulder Rolling – the Last Apollo EVA”)
 - A book made from annotated transcripts from the lunar surface period
- The Last Mission to the Moon website
 - A multimedia reconstruction of the Apollo 17 mission
- A Voyage to the Moon and its Major Discoveries video
 - A seminar for a scientific audience at the Lunar and Planetary Institute