

Make More Fun?

Project Demos

- bonus points for a good project
- you the judges

Power-point Presentations

- pre-audition

Presentations Competition

- group or alone
- 5 mins
- any topic

Let me know by the end of Today









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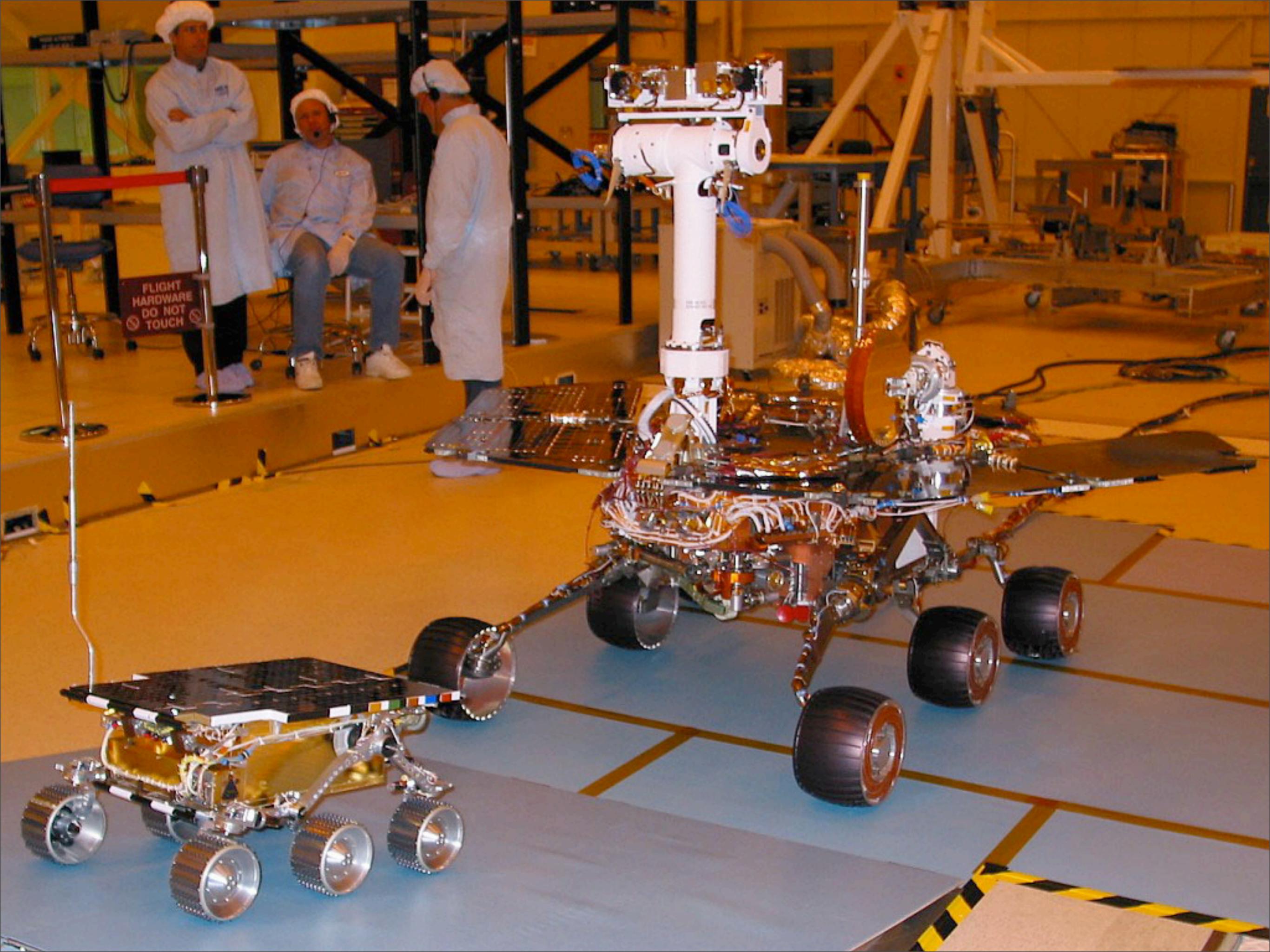
People

World, Planets, Oceans

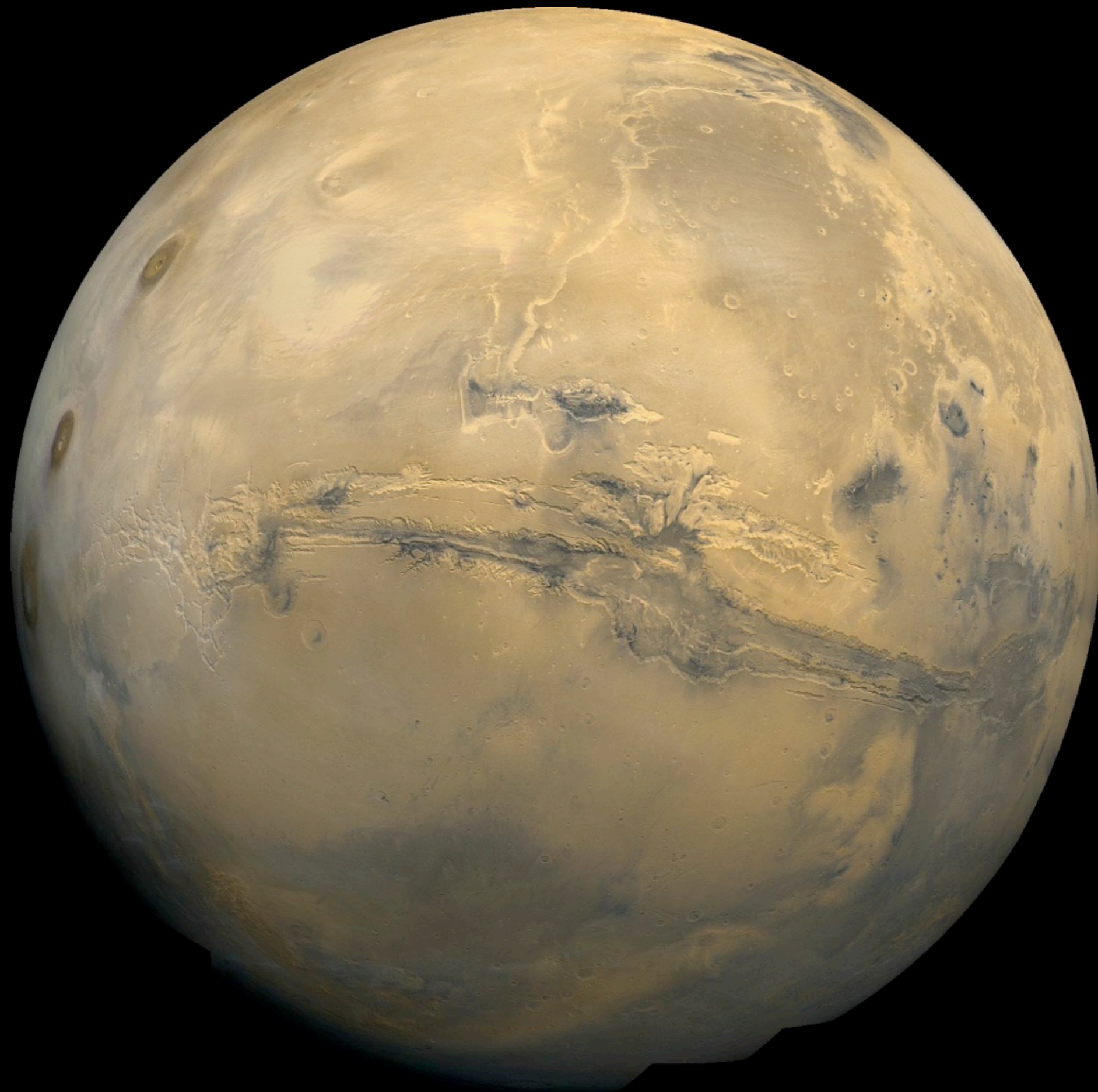
A Story

Programming Concepts

What really happened on Mars?



FLIGHT
HARDWARE
DO NOT
TOUCH





May 17, 1997

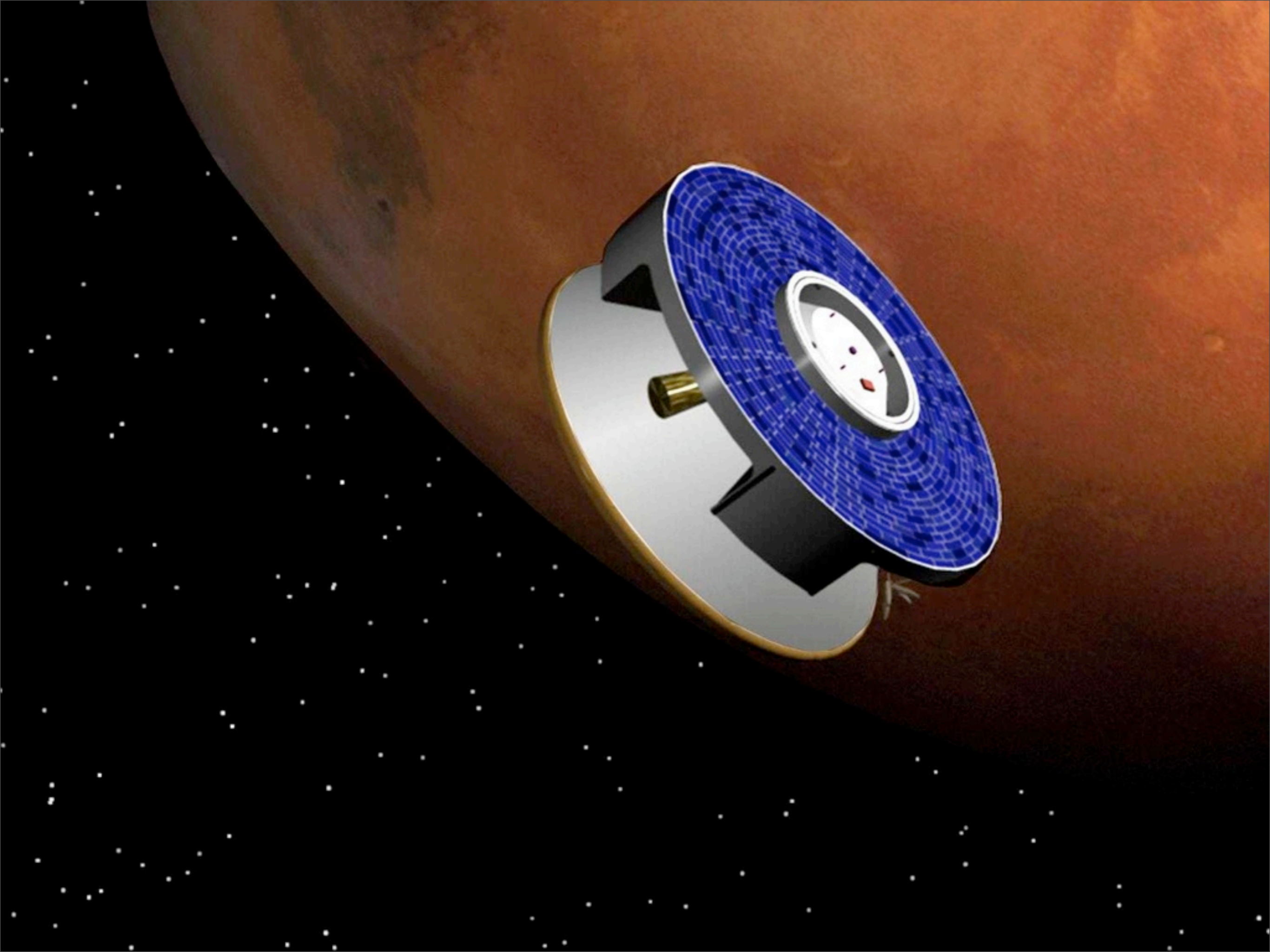


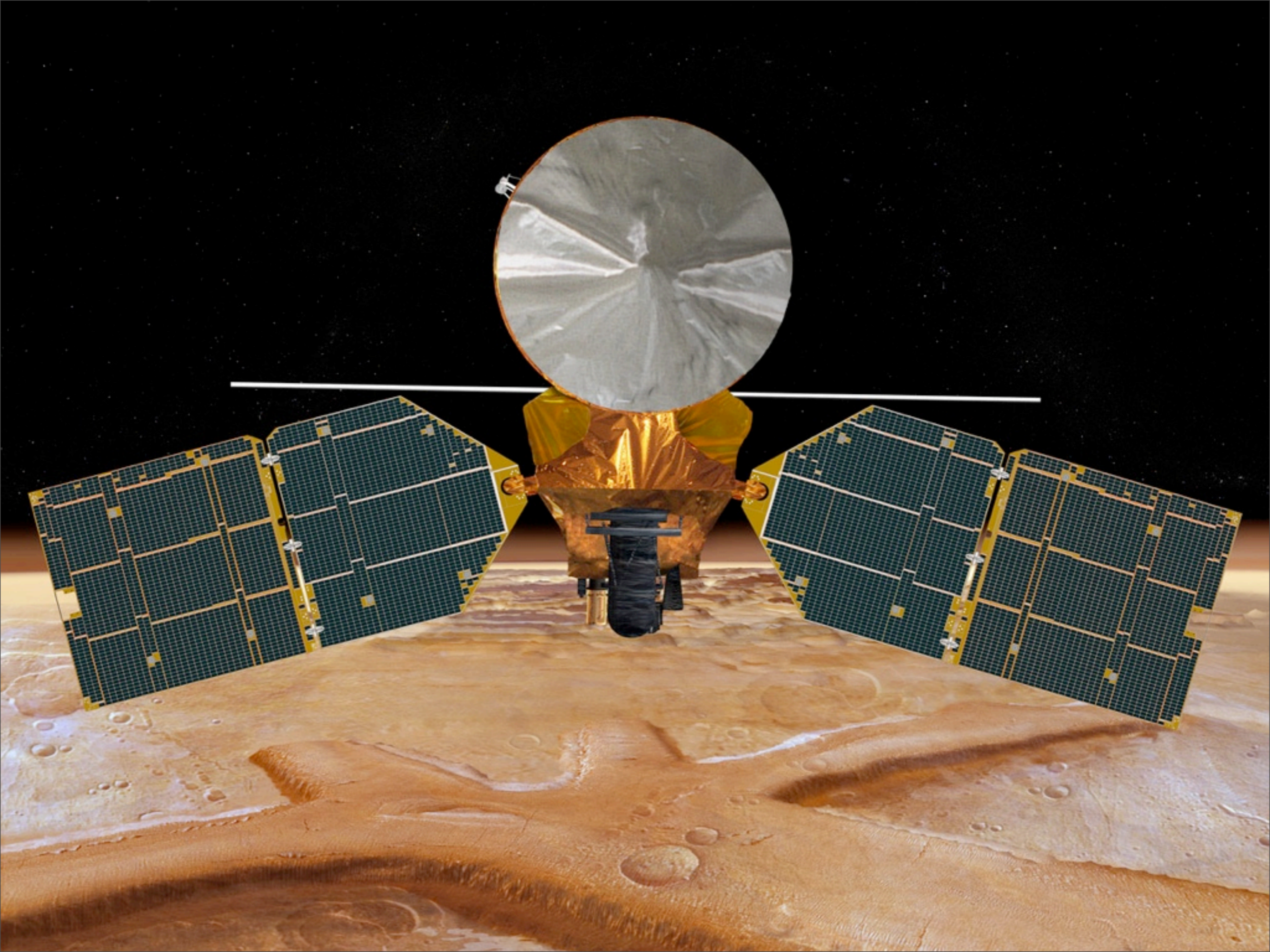
June 27, 1997

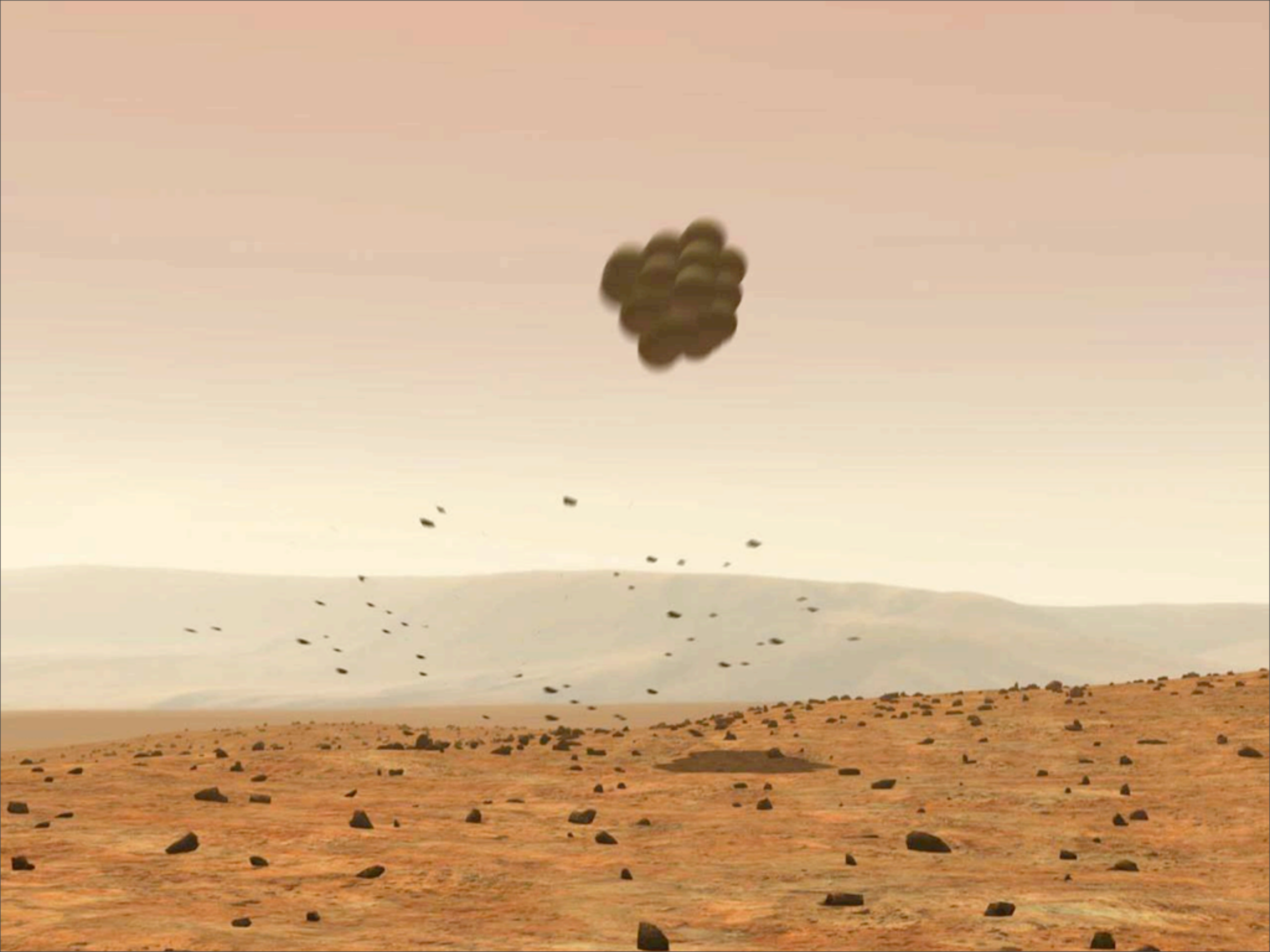


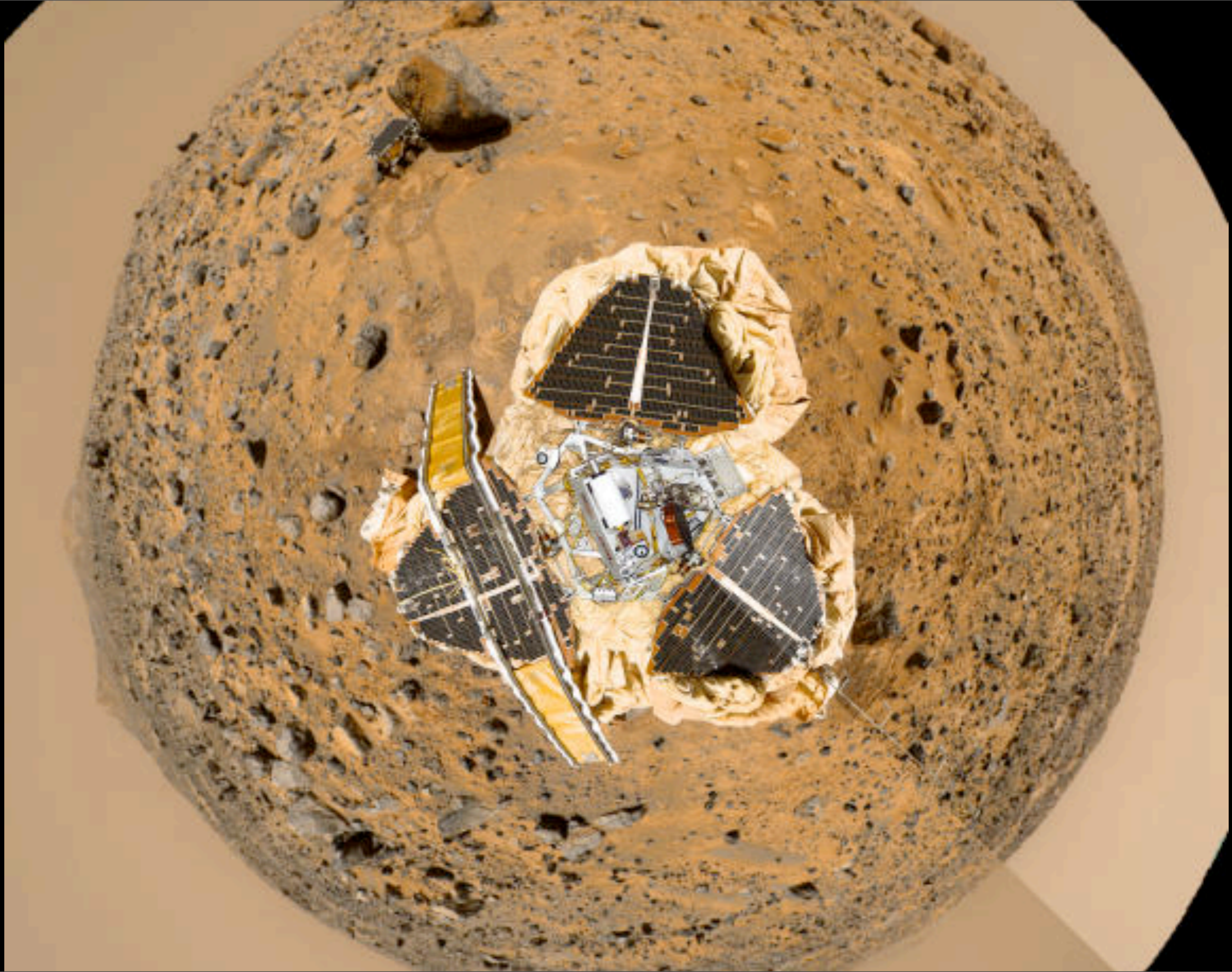
Valles Marineris

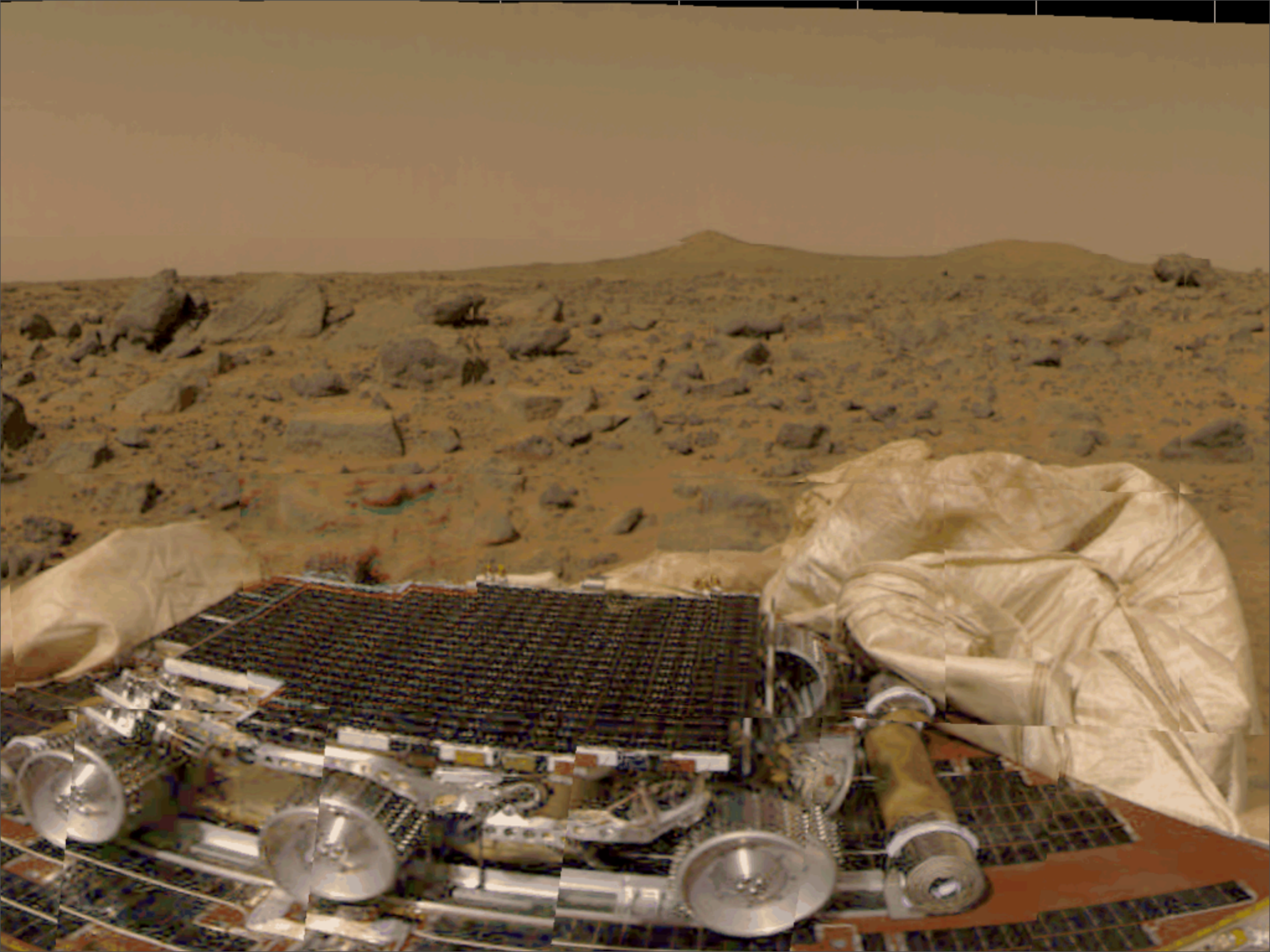
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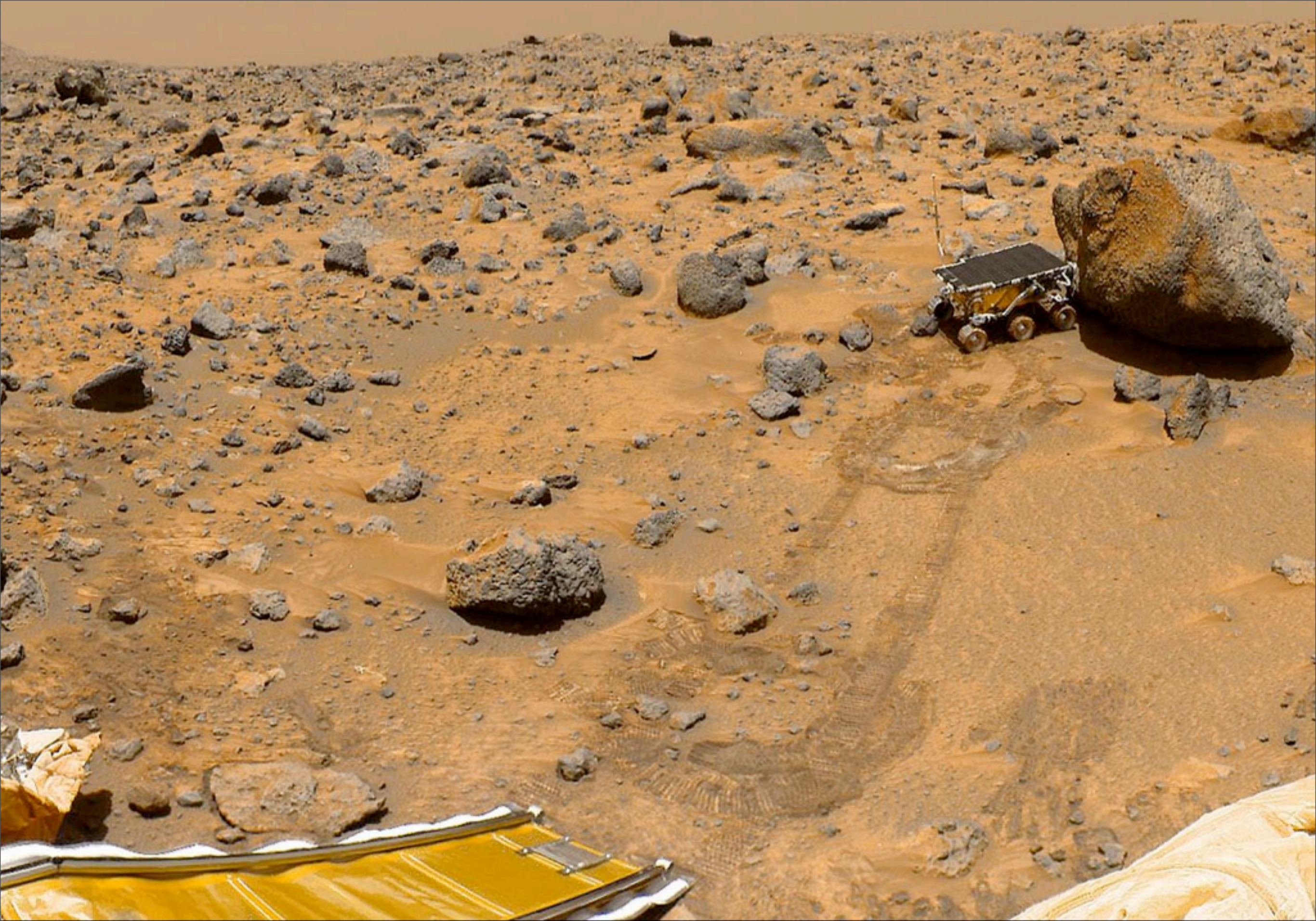




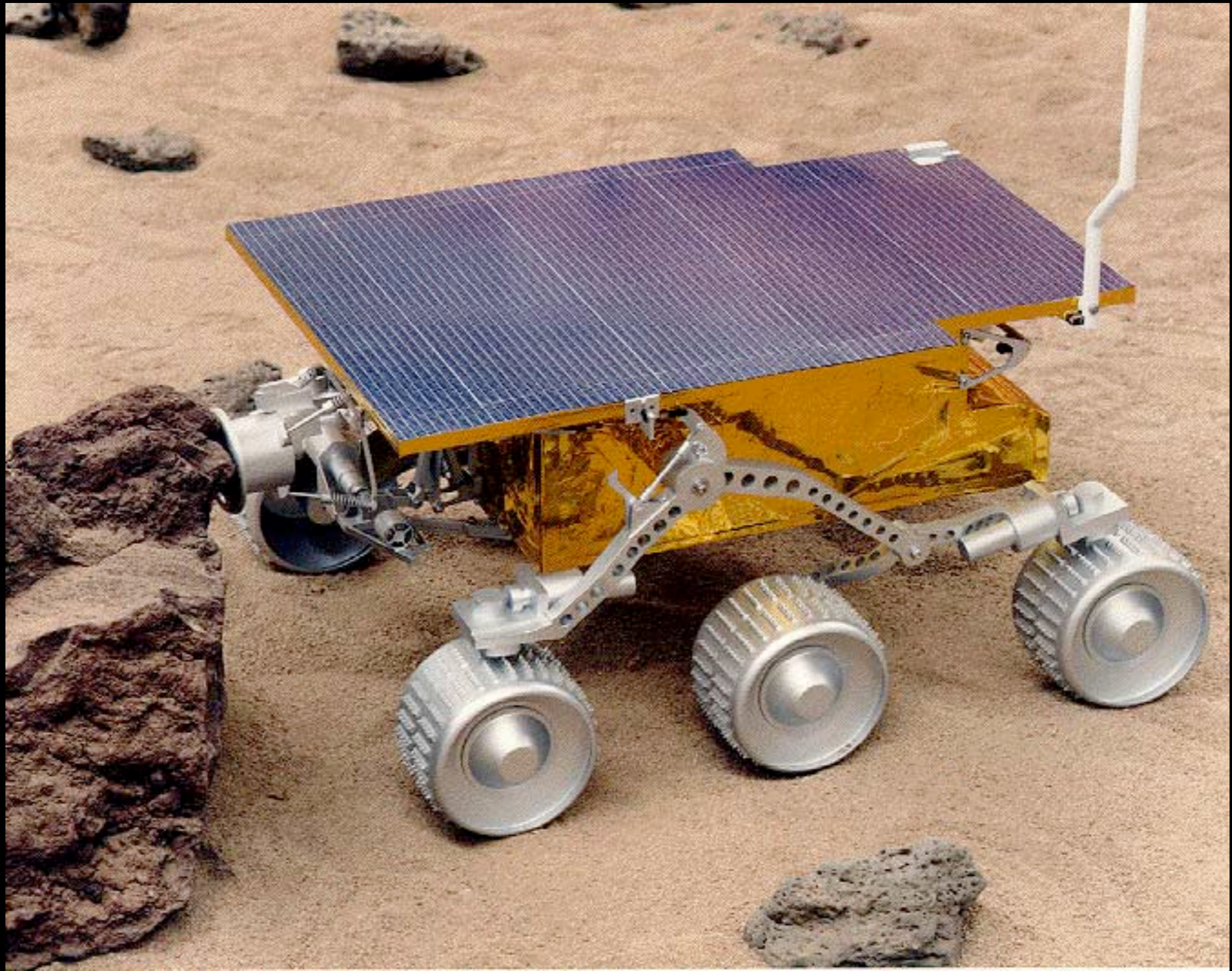












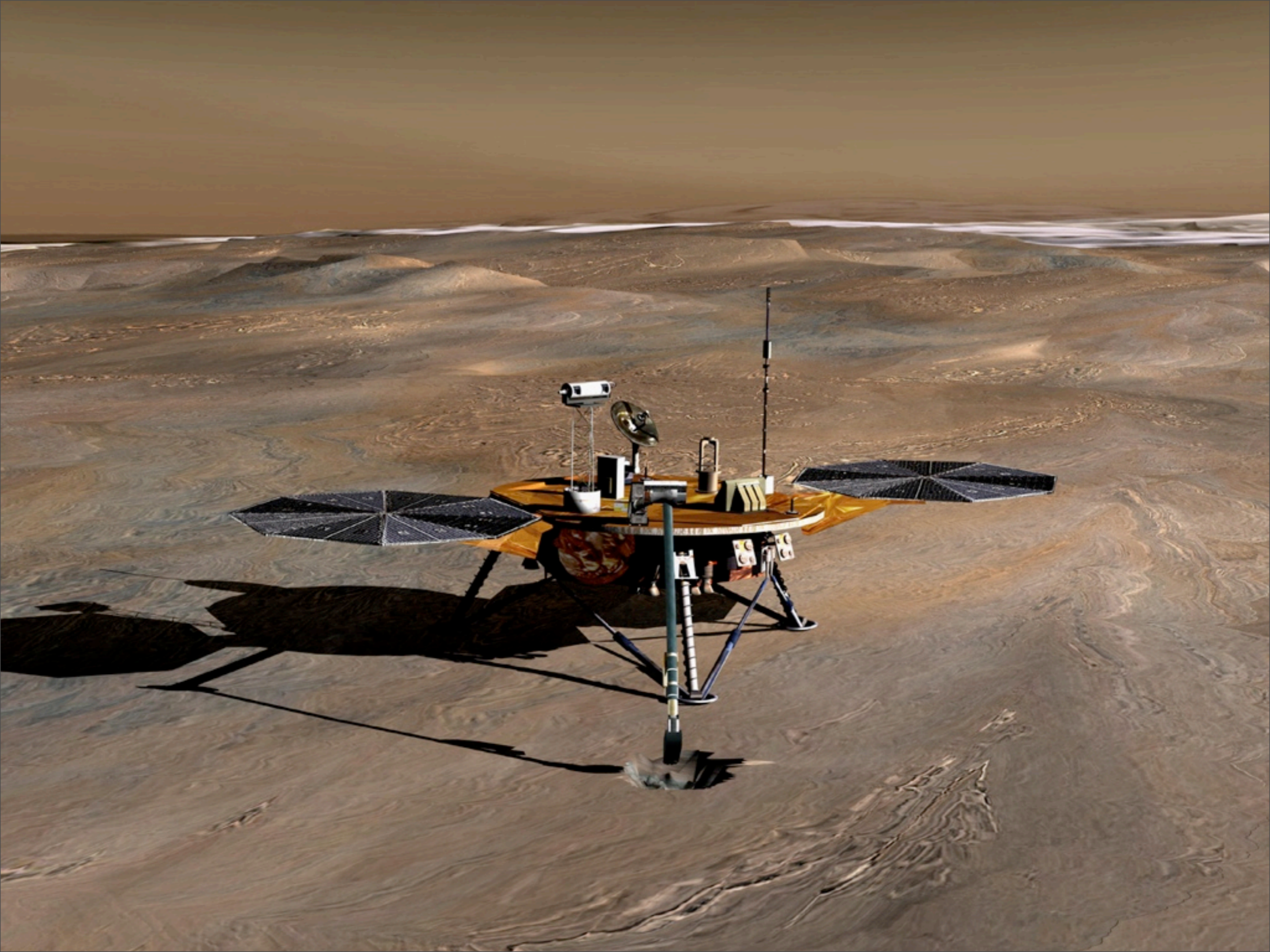
July 4th 1997

Priority Inversion Problem

- VxWorks based Real-time OS

Priority Inheritance Protocol

Phoenix Mars Lander



Programming Concepts

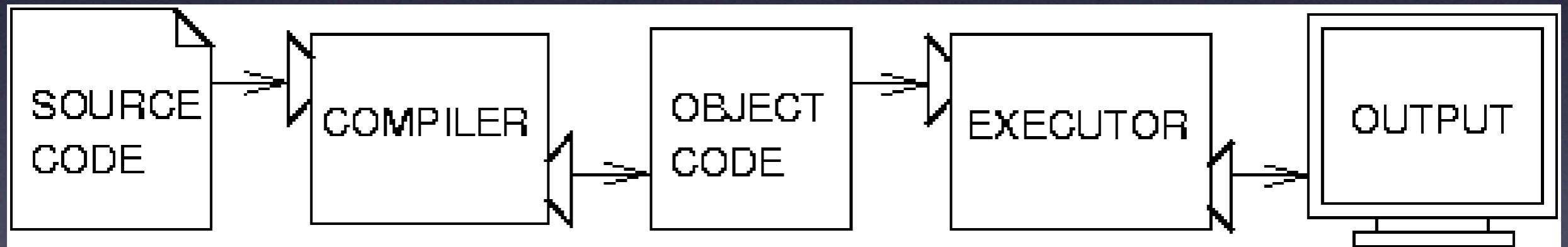
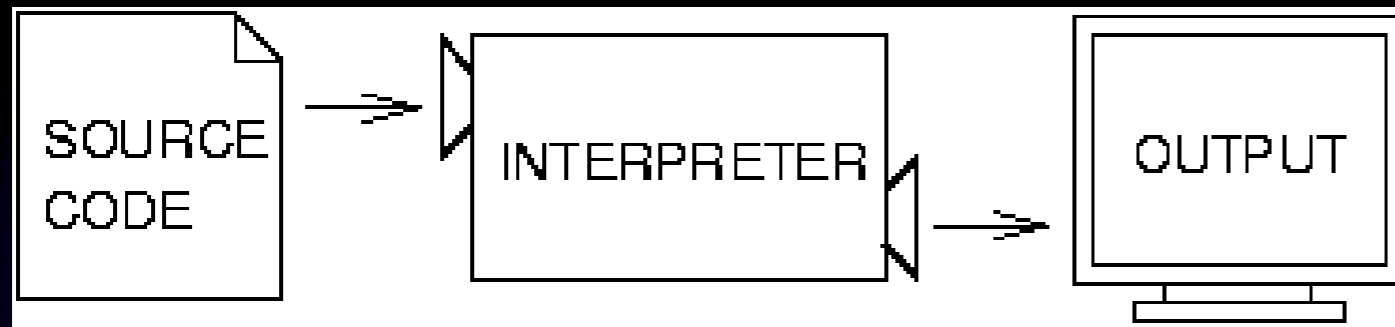
Programming => Problem solving

High-level Language?

Interpreters vs Compilers

High-level Language?

- portable
- easier to program (less time)
- more readability
- disadvantages?



Algorithm vs Program

Example Programs

- control structures
- loop

Debugging

- Syntax
- Semantics
- Compile-time
- Run-time