



Searching for Life in the Universe

Contamination Control Engineering and Planetary Protection Specialist

Denisse V. Aranda, CC Engineer

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(757).864.2624

Denisse.v.aranda@NASA.gov

<http://engineering.larc.nasa.gov/>



Starry Sky



Earth View



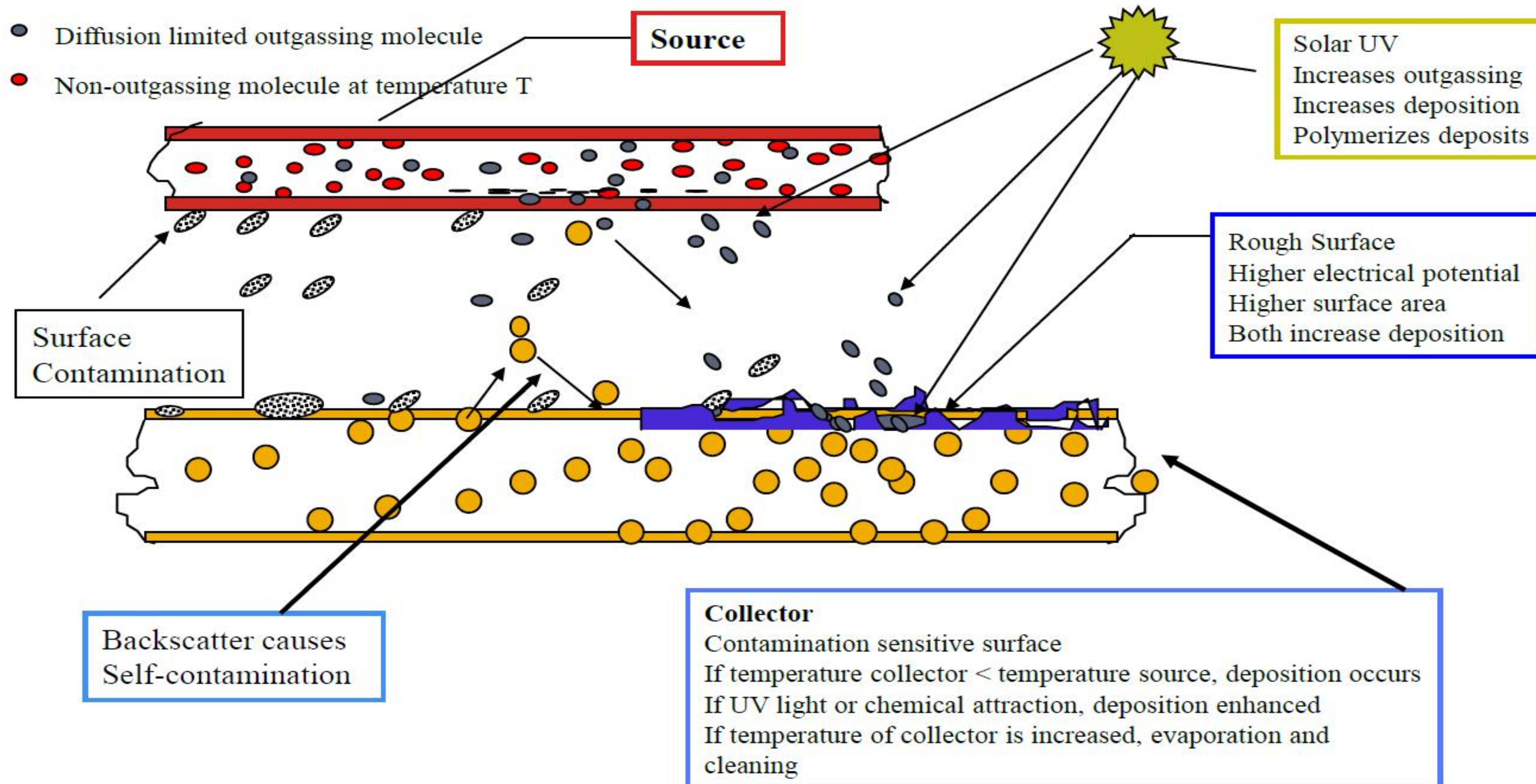


Dangers of Space Travel

- Atomic Oxygen
- UV Radiation
- Thermal Cycling
- Vacuum Environment



Molecular Outgassing and Deposition: A Few Mechanisms

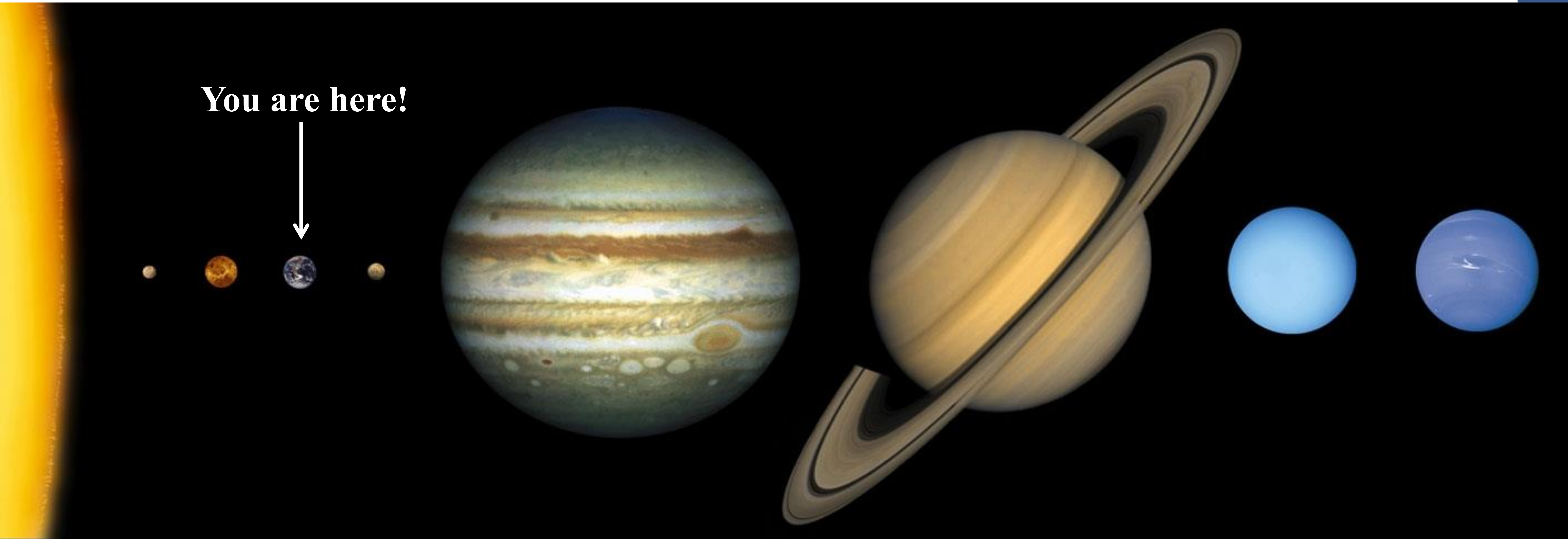




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Our Solar System

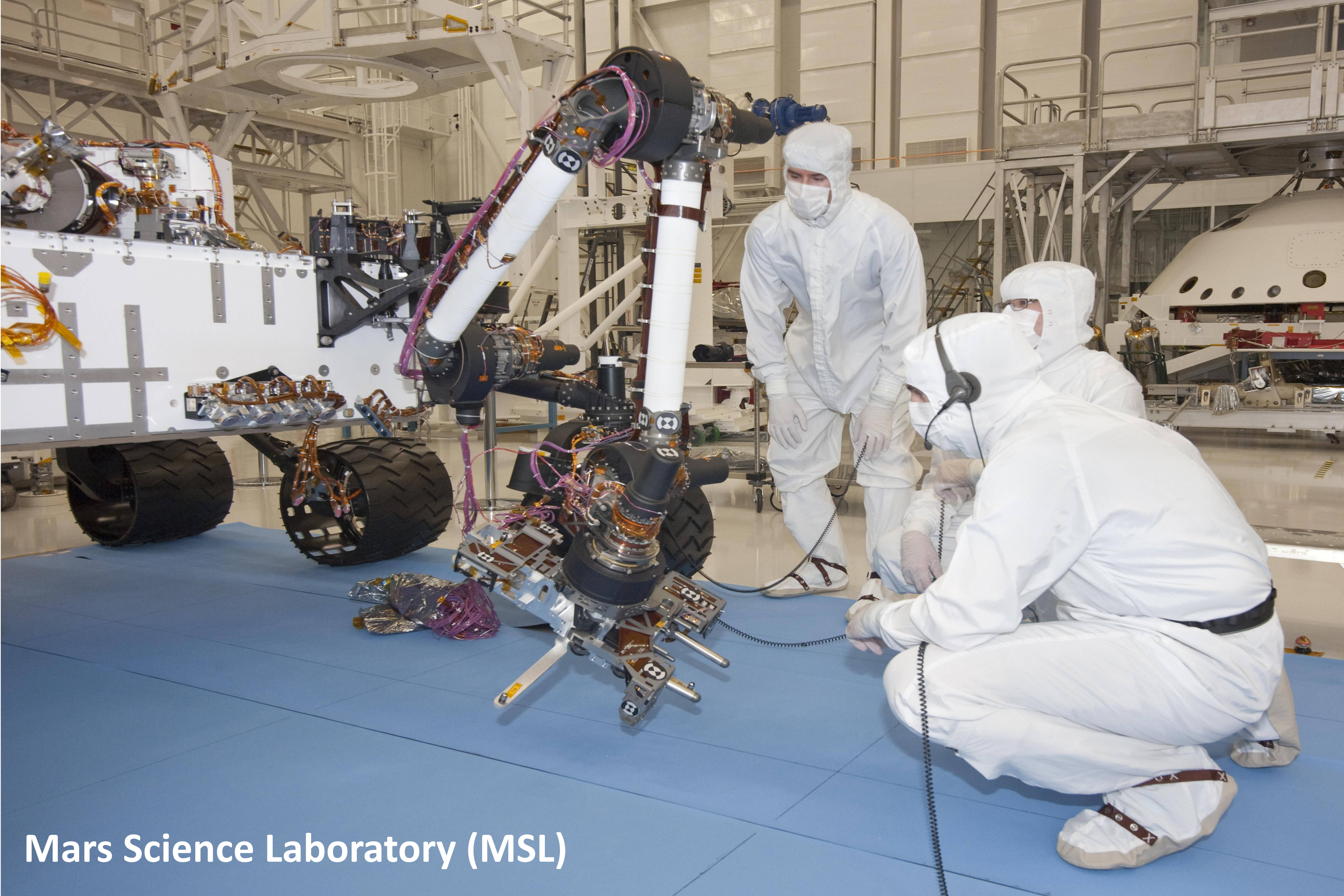


Mars Science Laboratory (MSL)



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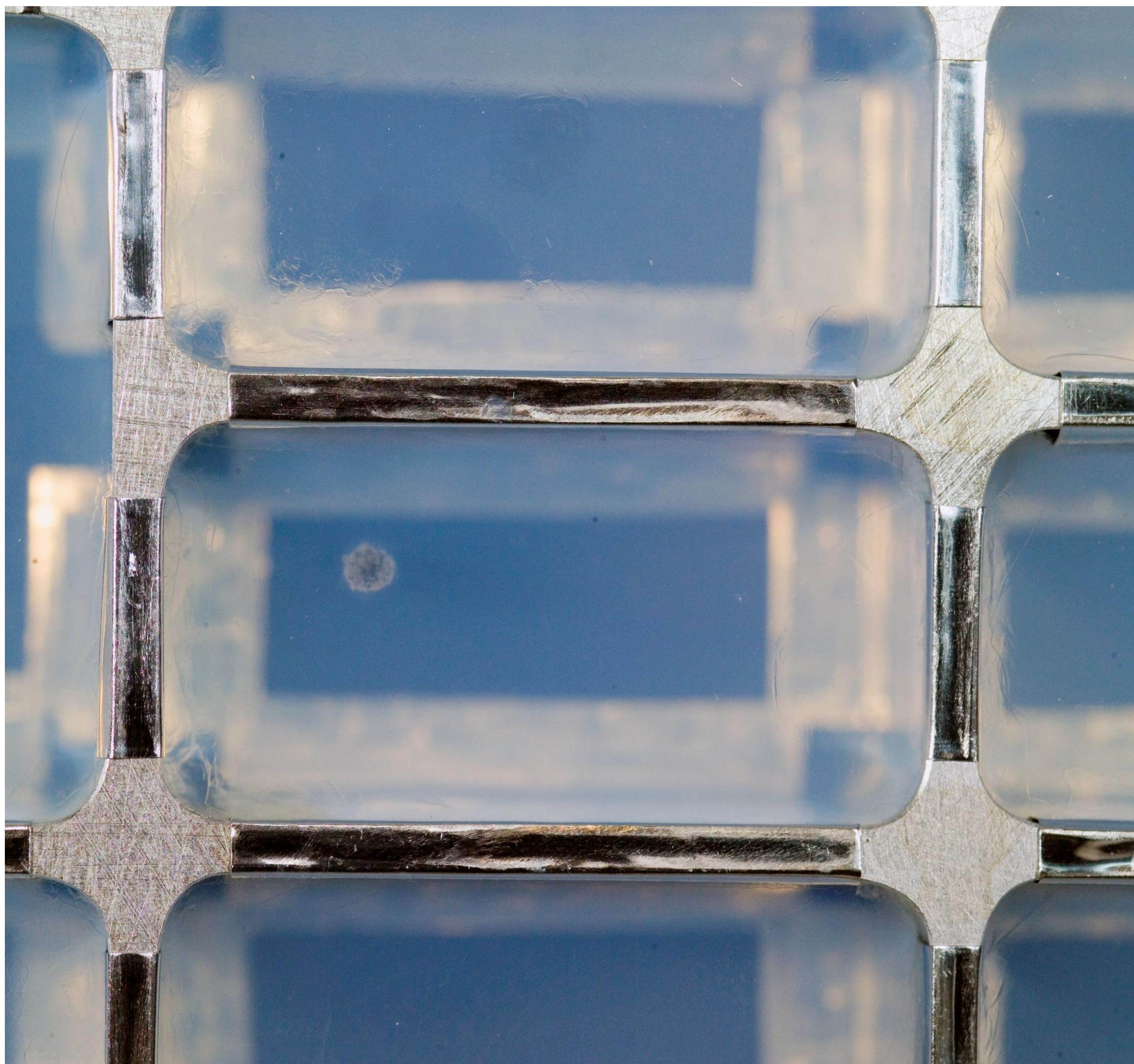
Stardust Mission







Stardust's Aerogel





Thank you!