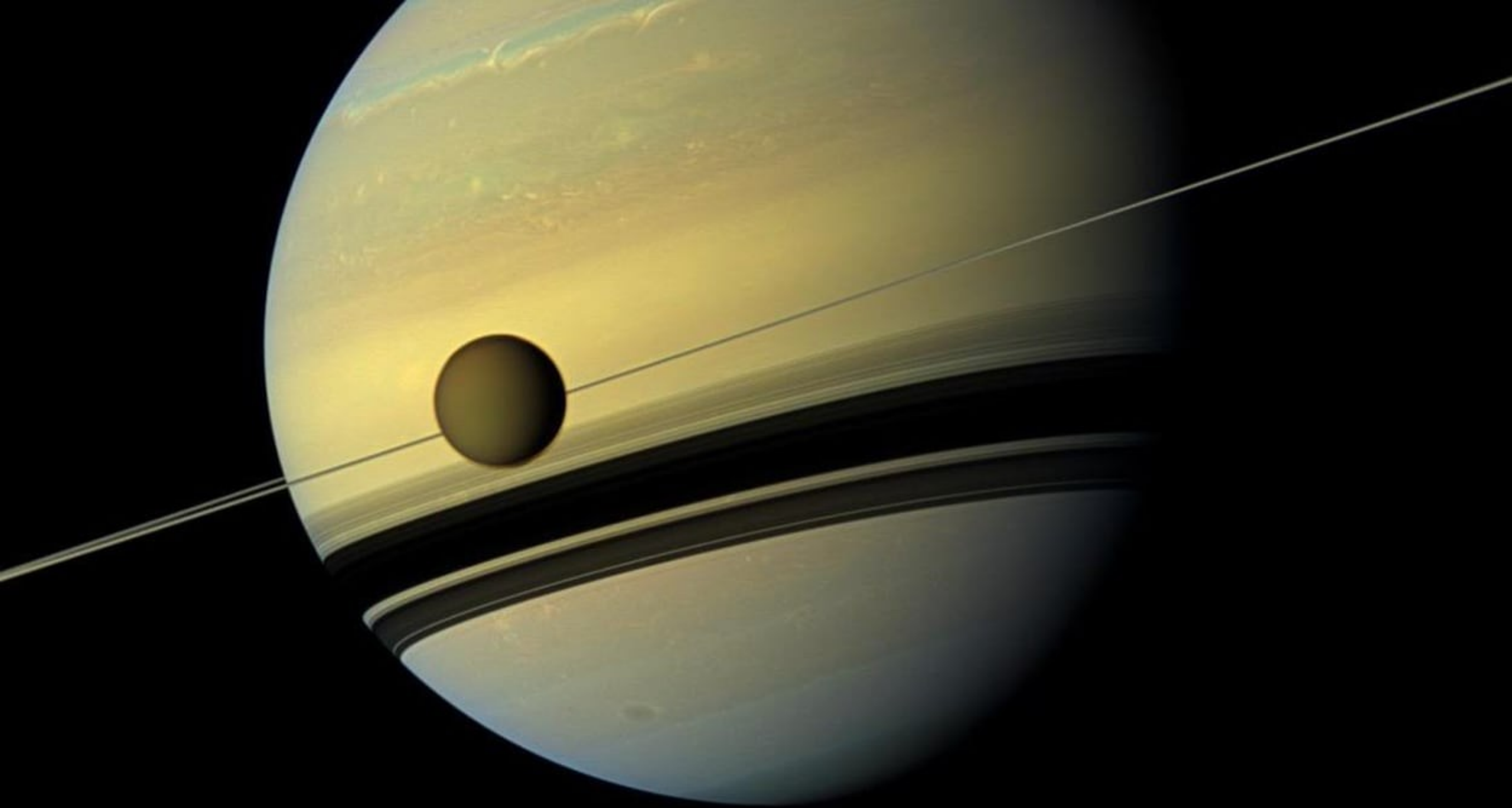
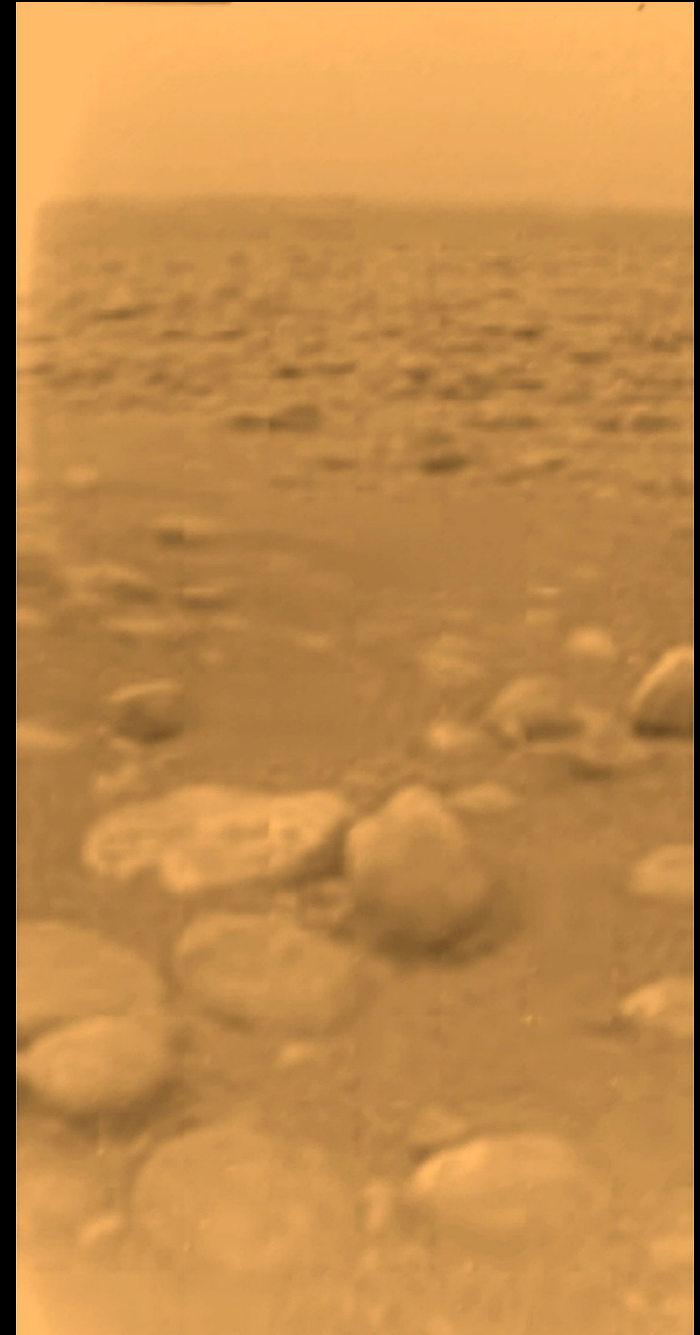
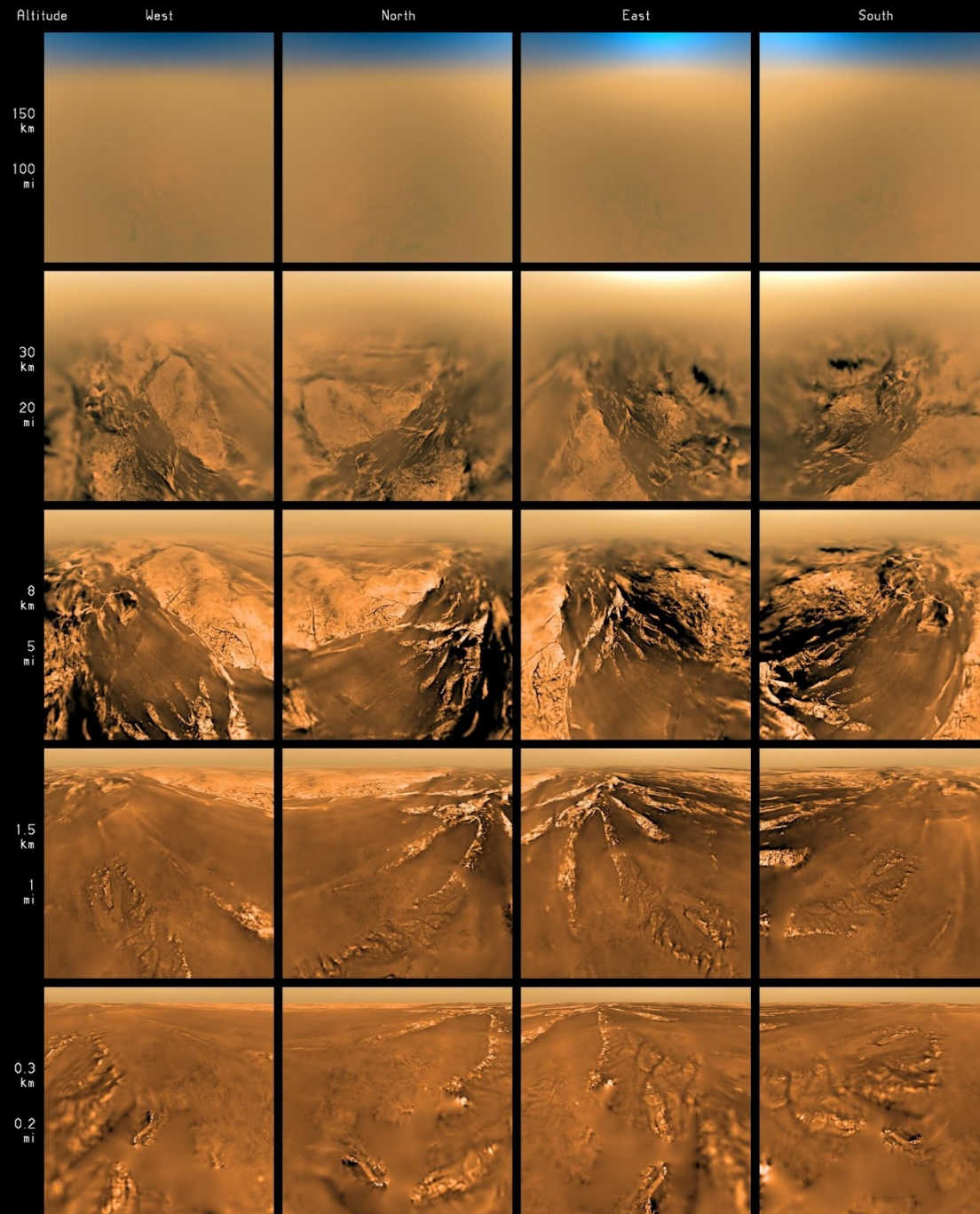
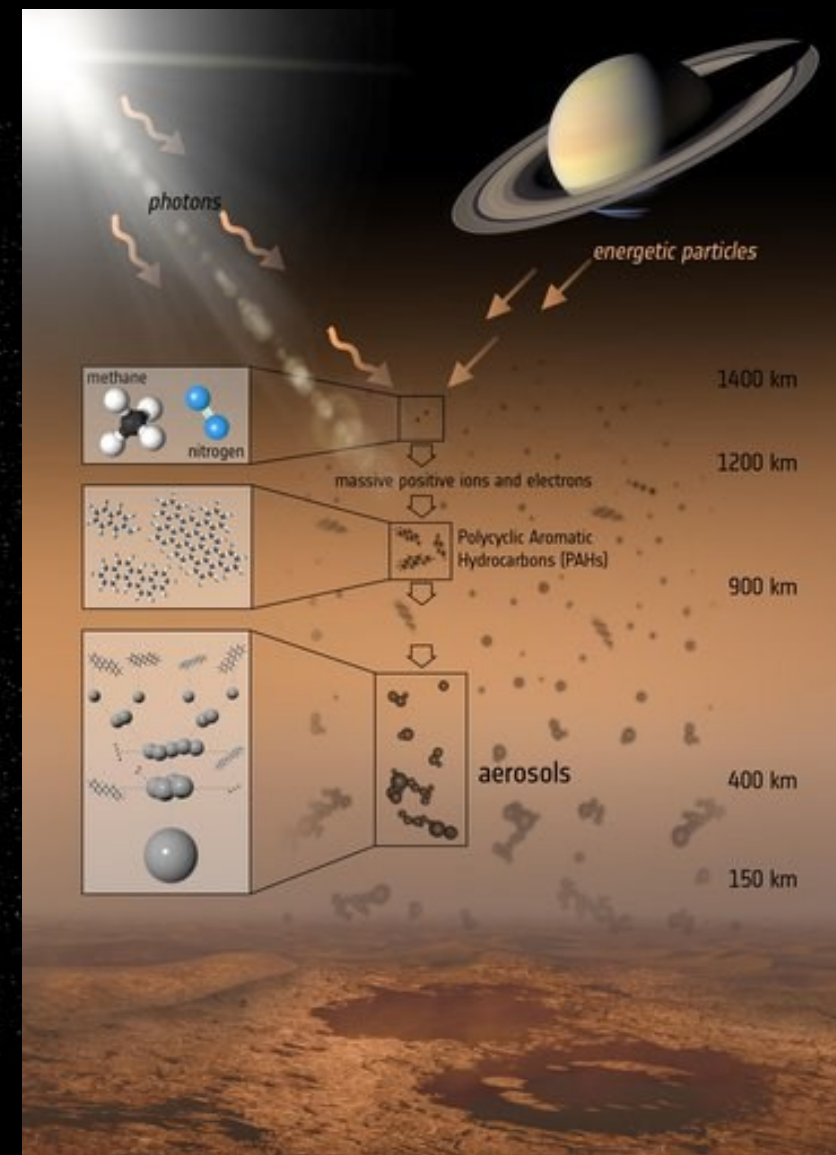
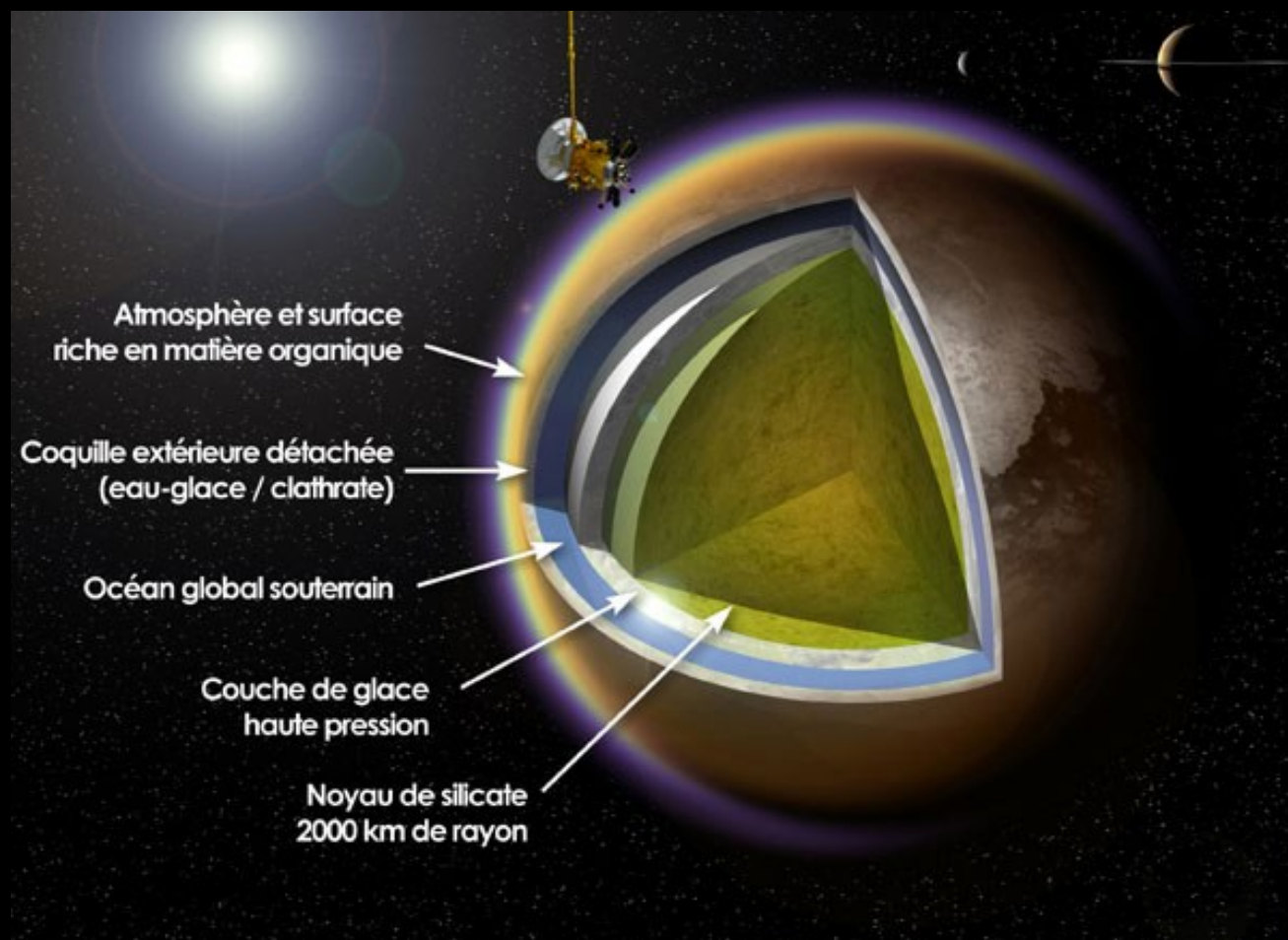




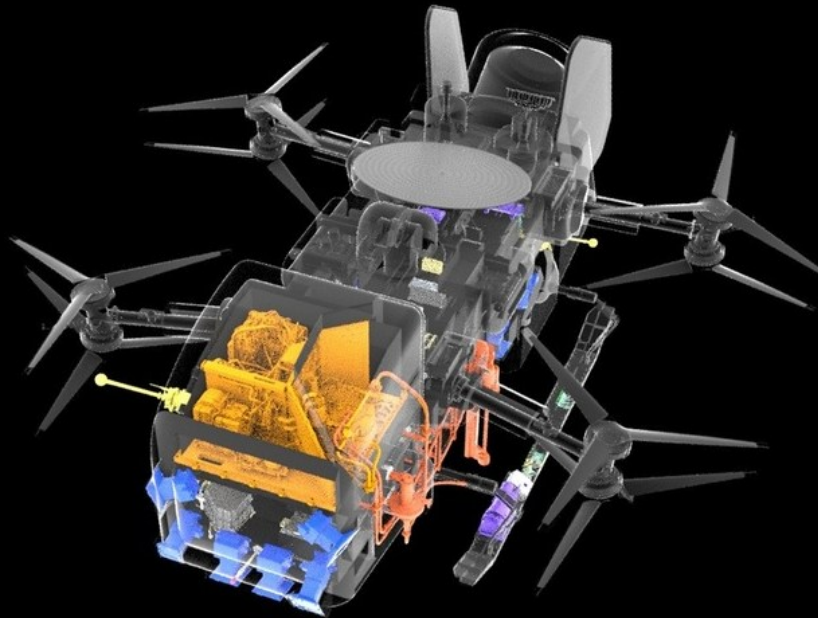
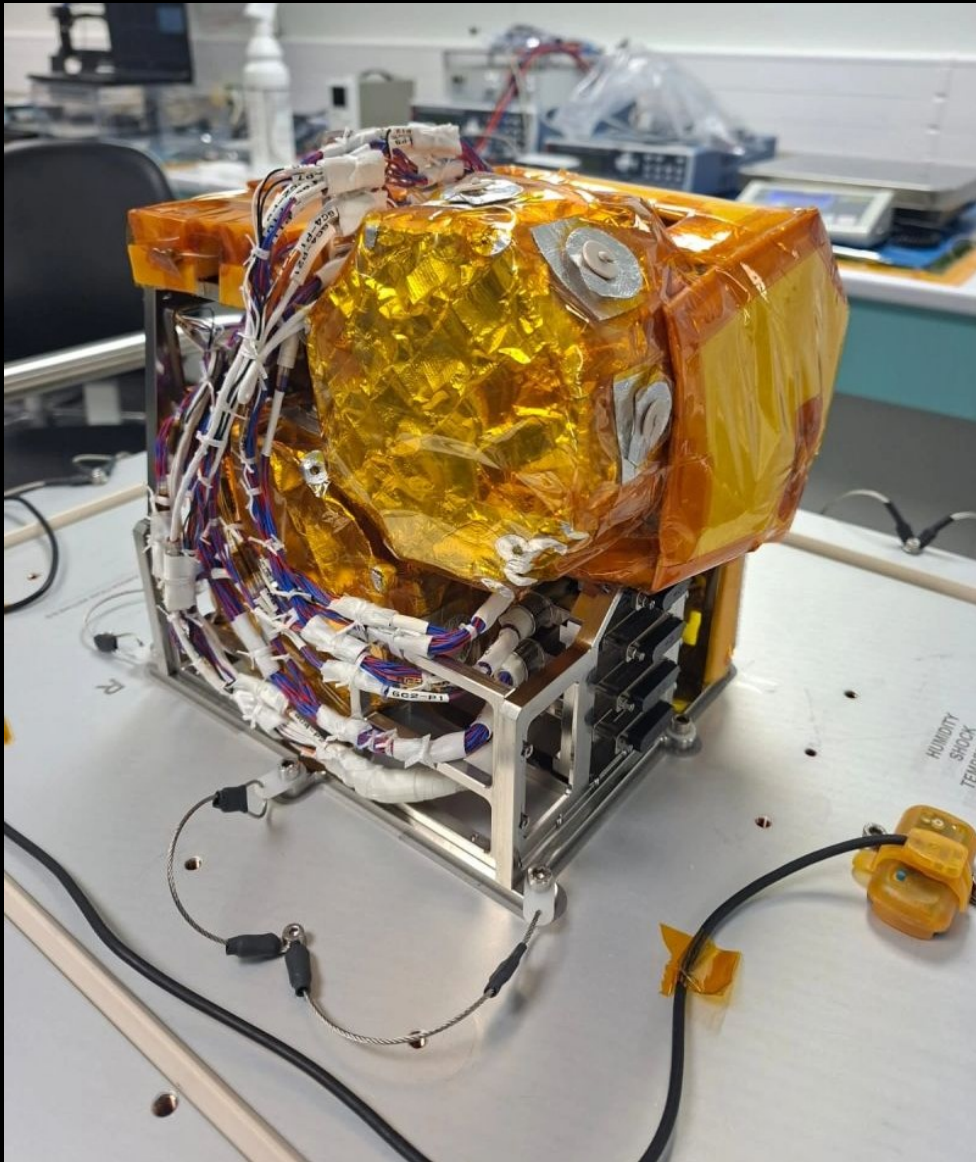


Aerial Views of Titan Around the Huygens Landing Site

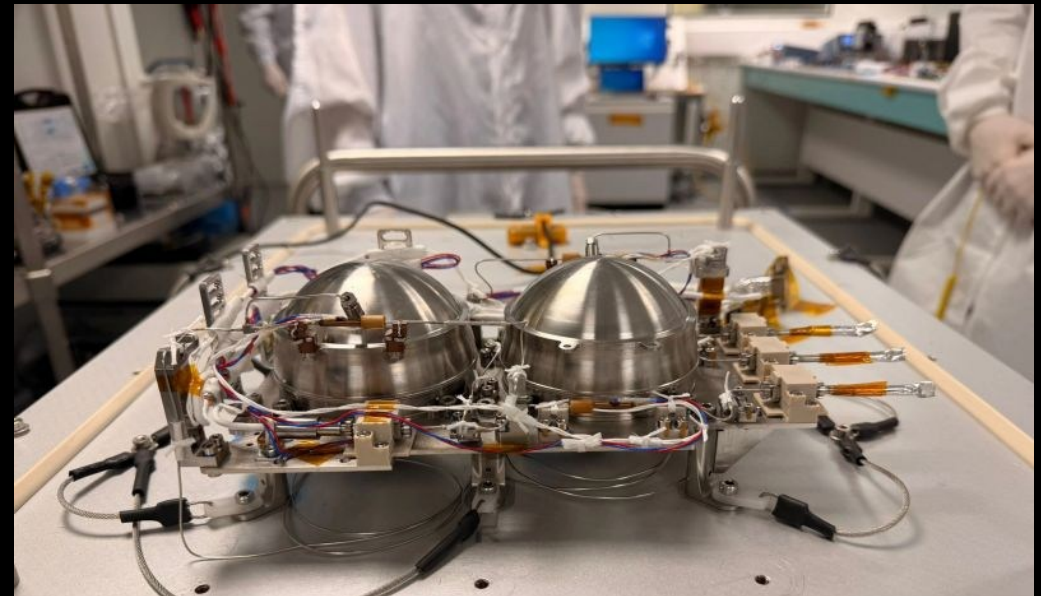


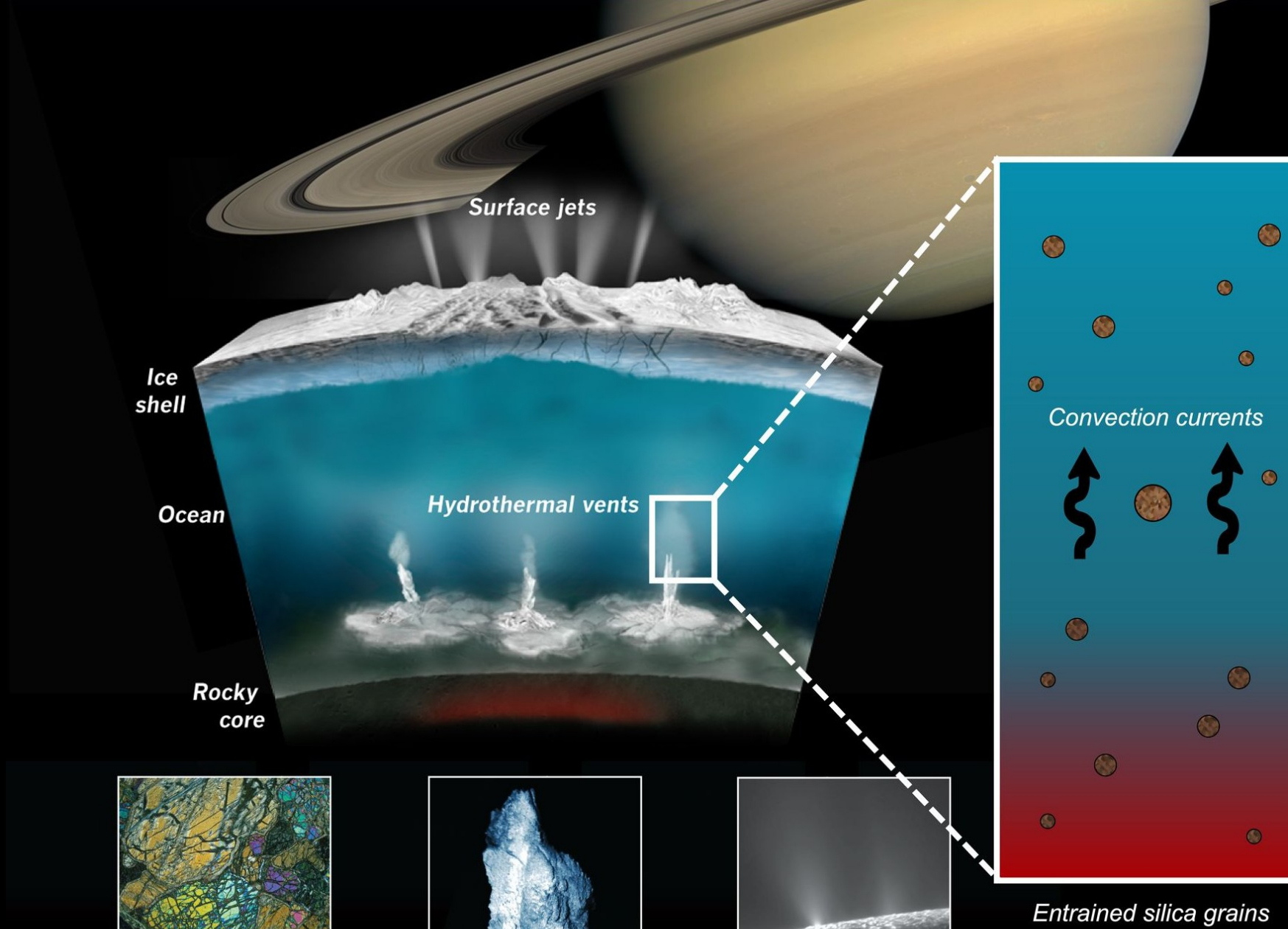






	DragonCam	DraGNS	DraMS	DraGMet
Metabolism: RedOxPairs				
Potential Biomolecules				
Functional Molecules			●	●
Complex Organics			●	
Amino Acids			●	
Lipids / Fatty Acids			●	
Complex Patterns			●	
Chirality			●	
Habitability:				
Conductive Environments	●	●	●	●

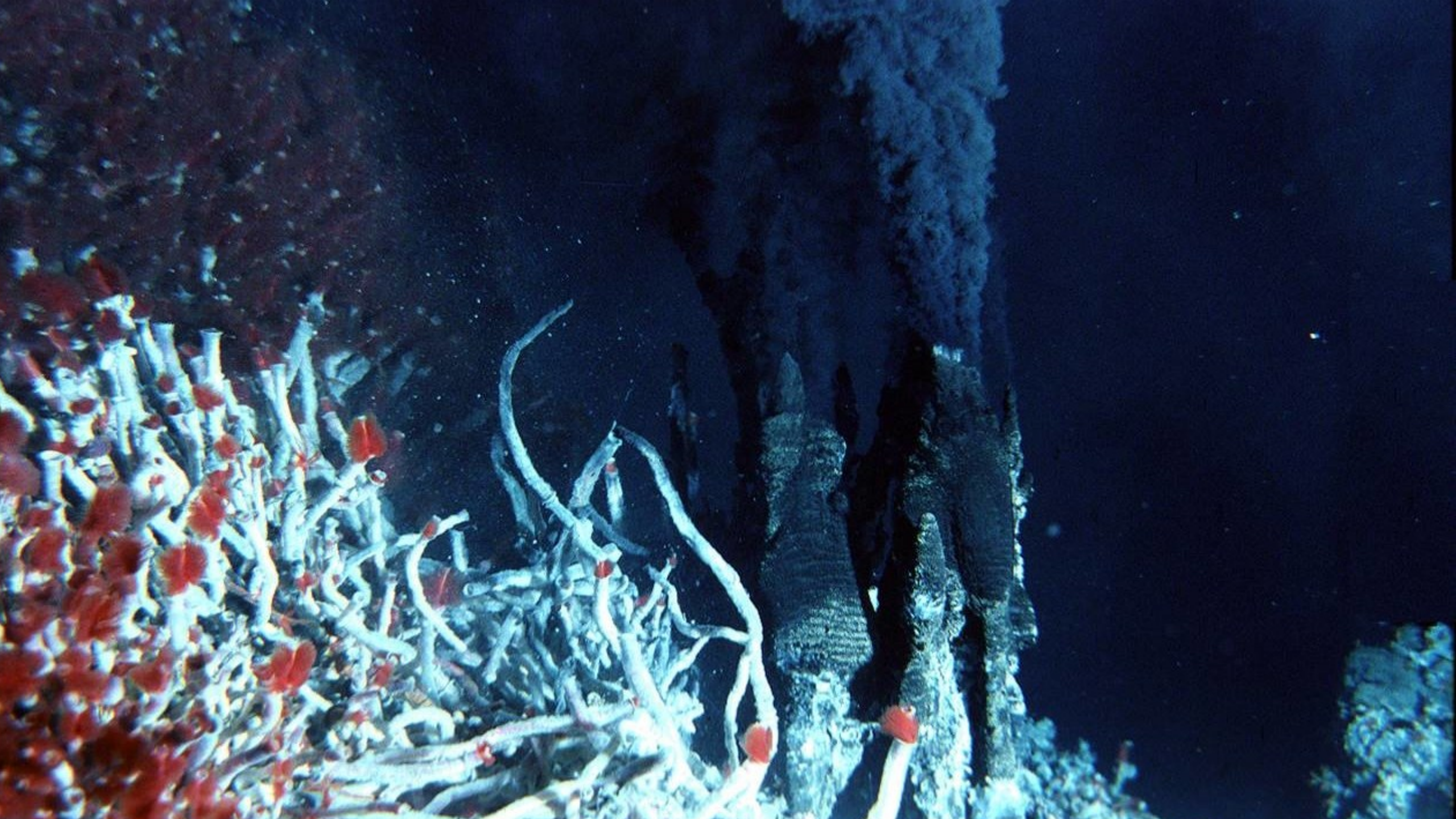




WATER-ROCK REACTIONS

HYDROTHERMAL VENTS
("WHITE SMOKERS")

SURFACE JETS





LAUNCH WITH TWO ARIANE 6 ROCKETS



ASSEMBLE IN SPACE



JOURNEY TO SATURN



ORBIT SATURN



TITAN



RHEA



DIONE



TETHYS



ENCELADUS



MIMAS

FLY BY SATURN'S ICY MOONS



SAMPLE PLUMES



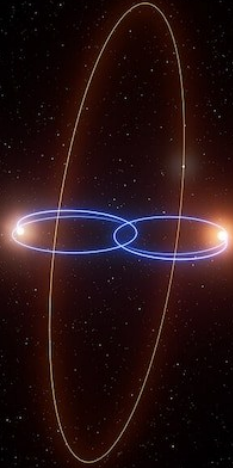
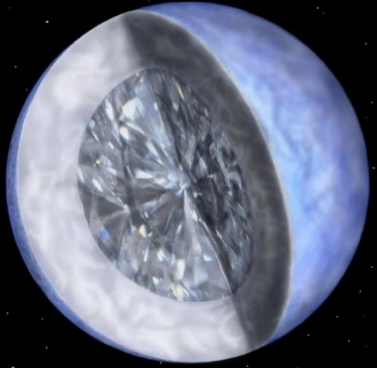
ORBIT ENCELADUS



LAND ON THE SOUTH POLE OF ENCELADUS







TRAPPIST-1 System

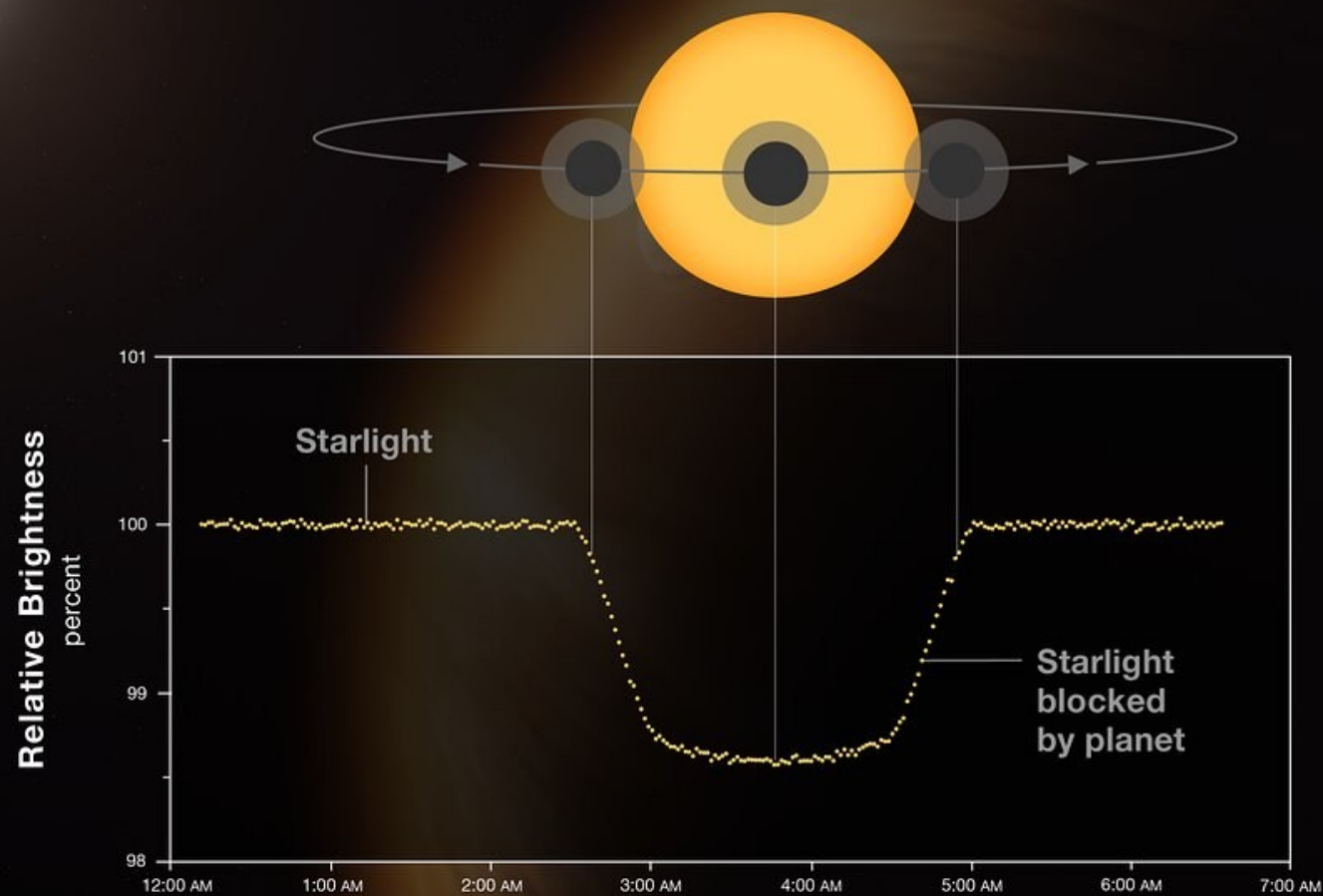


Illustration



HOT GAS GIANT EXOPLANET WASP-96 b TRANSIT LIGHT CURVE

NIRISS | Single-Object Slitless Spectroscopy



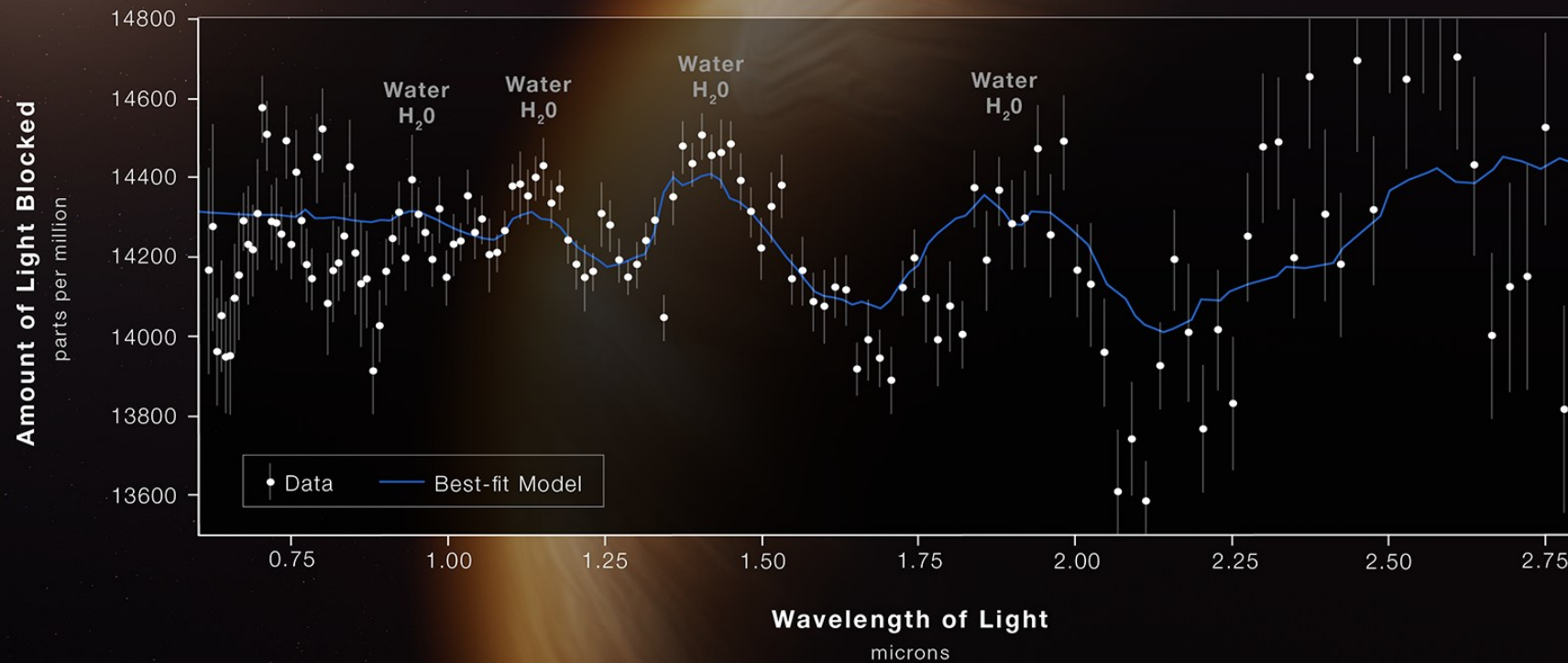
Time in Baltimore, Maryland
June 21, 2022

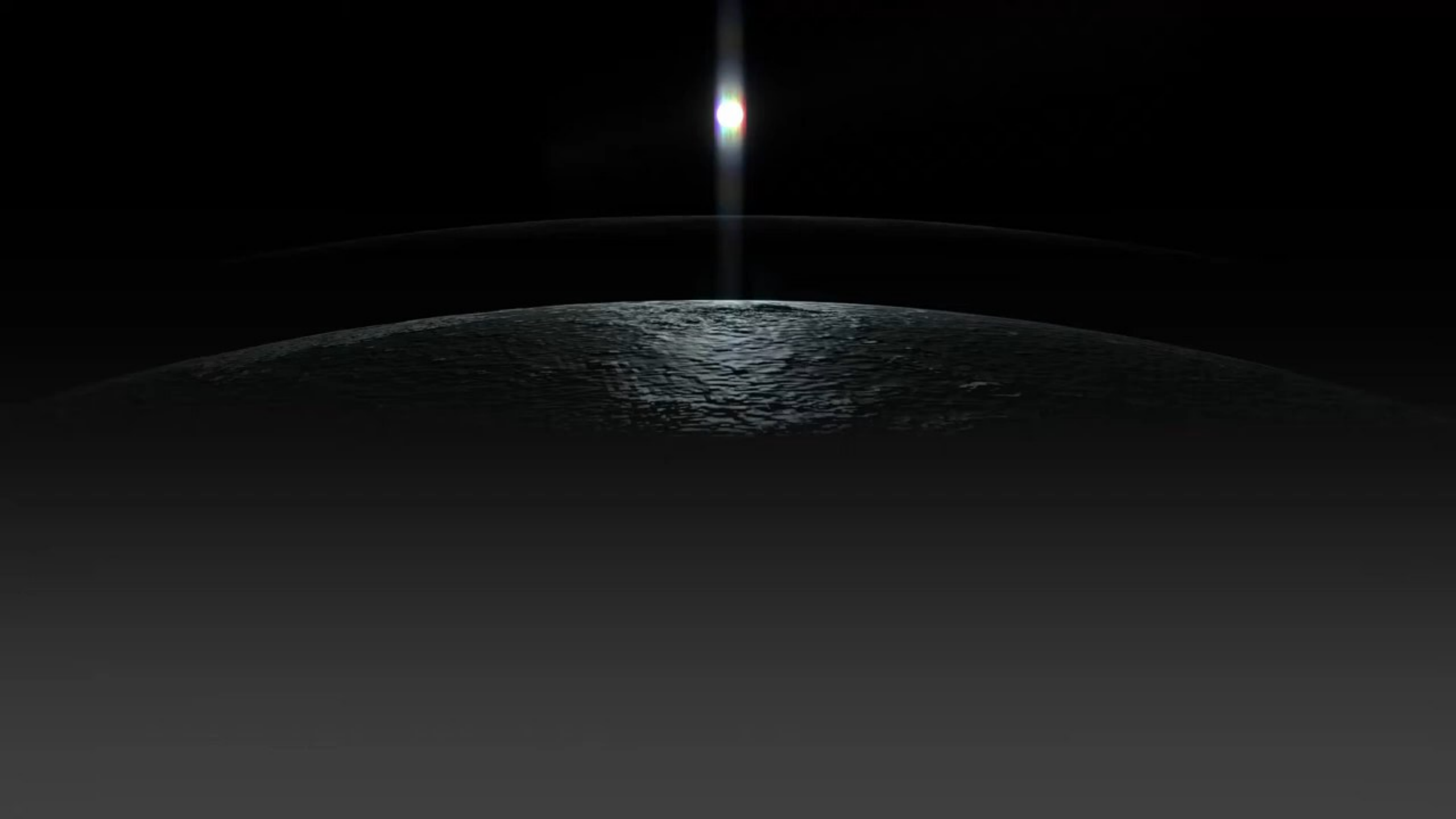
WEBB
SPACE TELESCOPE

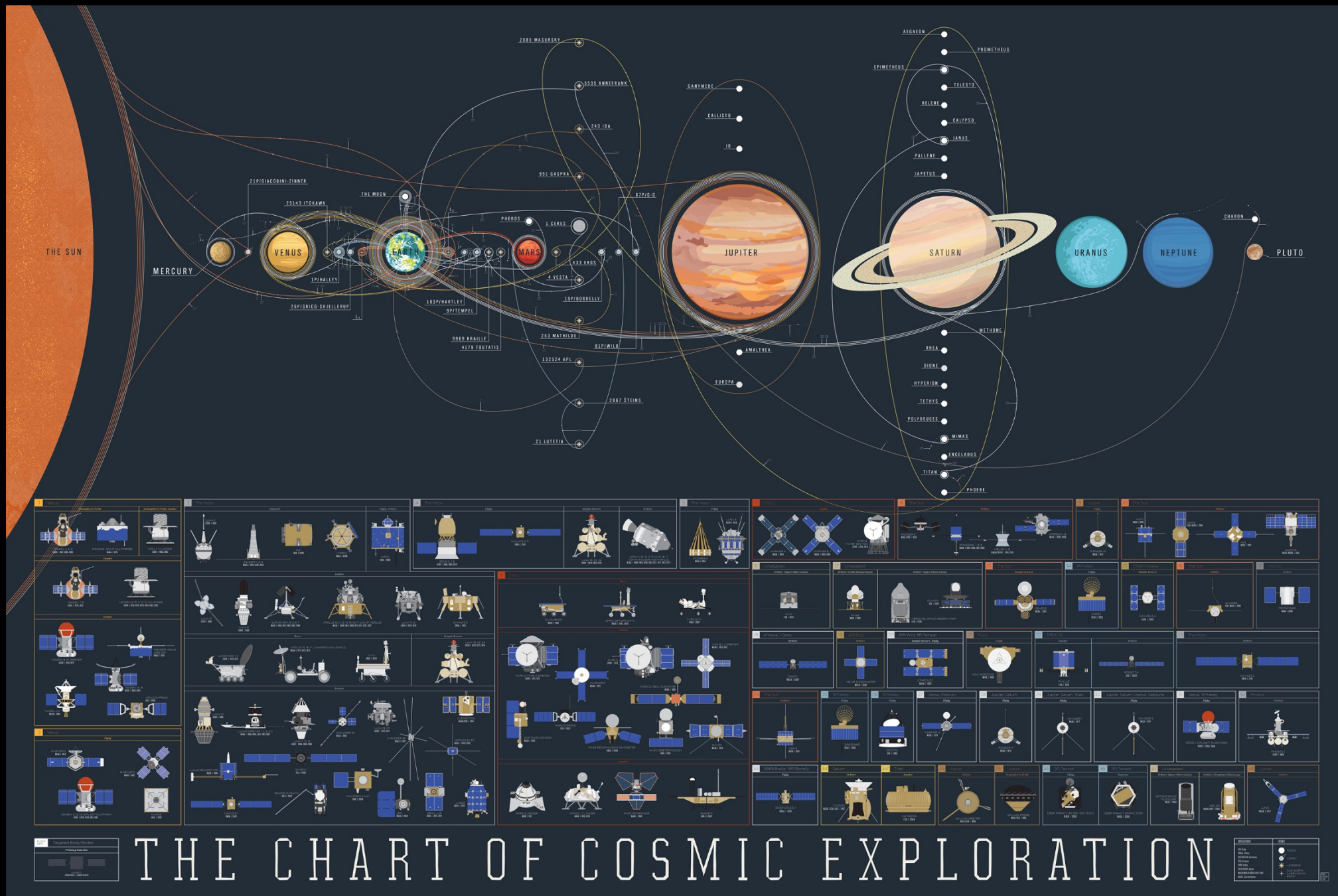
HOT GAS GIANT EXOPLANET WASP-96 b

ATMOSPHERE COMPOSITION

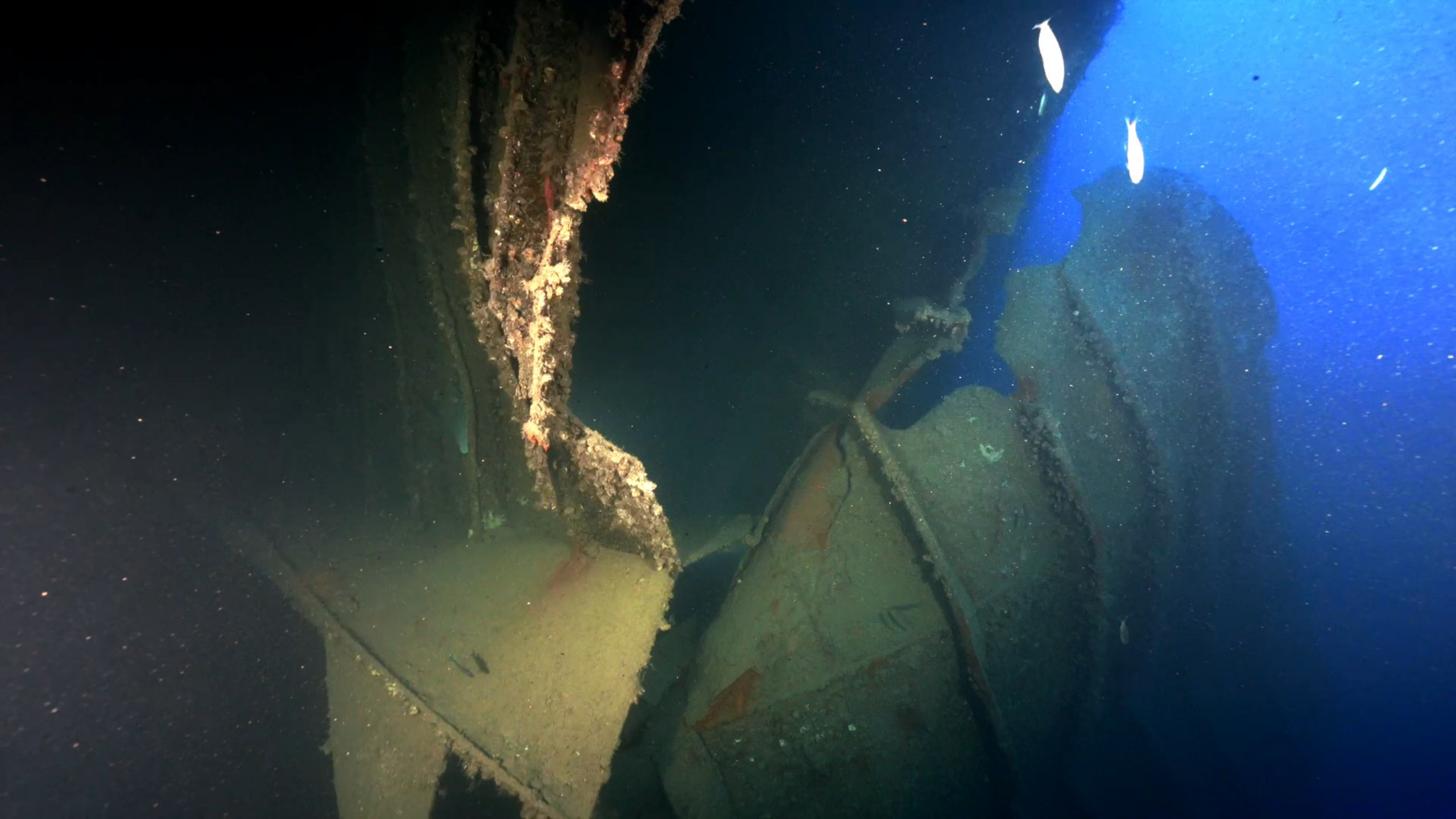
NIRISS | Single-Object Slitless Spectroscopy













How far can we go?



Diver	Date	Circuit	Milieu	Depth
Pascal Barnabé (H)	05/07/2004	Open	Open Water	330 m
Brigitte Lenoir (F)	10/04/2010	CCR	Open Water	154 m
Kimberly Inge (F)	30/05/2012	CCR	Open Water	198.73 m
Ahmed Gamal Gabr (H)	19/07/2014	Open	Open Water	332.25 m
Karen Van Oever (F)	23/11/2022	Open	Cave	246.6 m
Frédéric Swierczynski (H)	14/11/2023	CCR	Cave	308 m
Xavier Meniscus (H)	09/01/2024	CCR	Cave	312 m



My project: the first woman beyond 200m in CCR

Project (ISO 9000): unique process undertaken to achieve an **objective** that conforms to **specific requirements**, including constraints of time, cost and resources.



Risk analysis



At depths:

- Implosion
- CCR/computer anomaly (leaks, etc...)
- Hypercapnia/Out of breath
- HPNS/desorientation

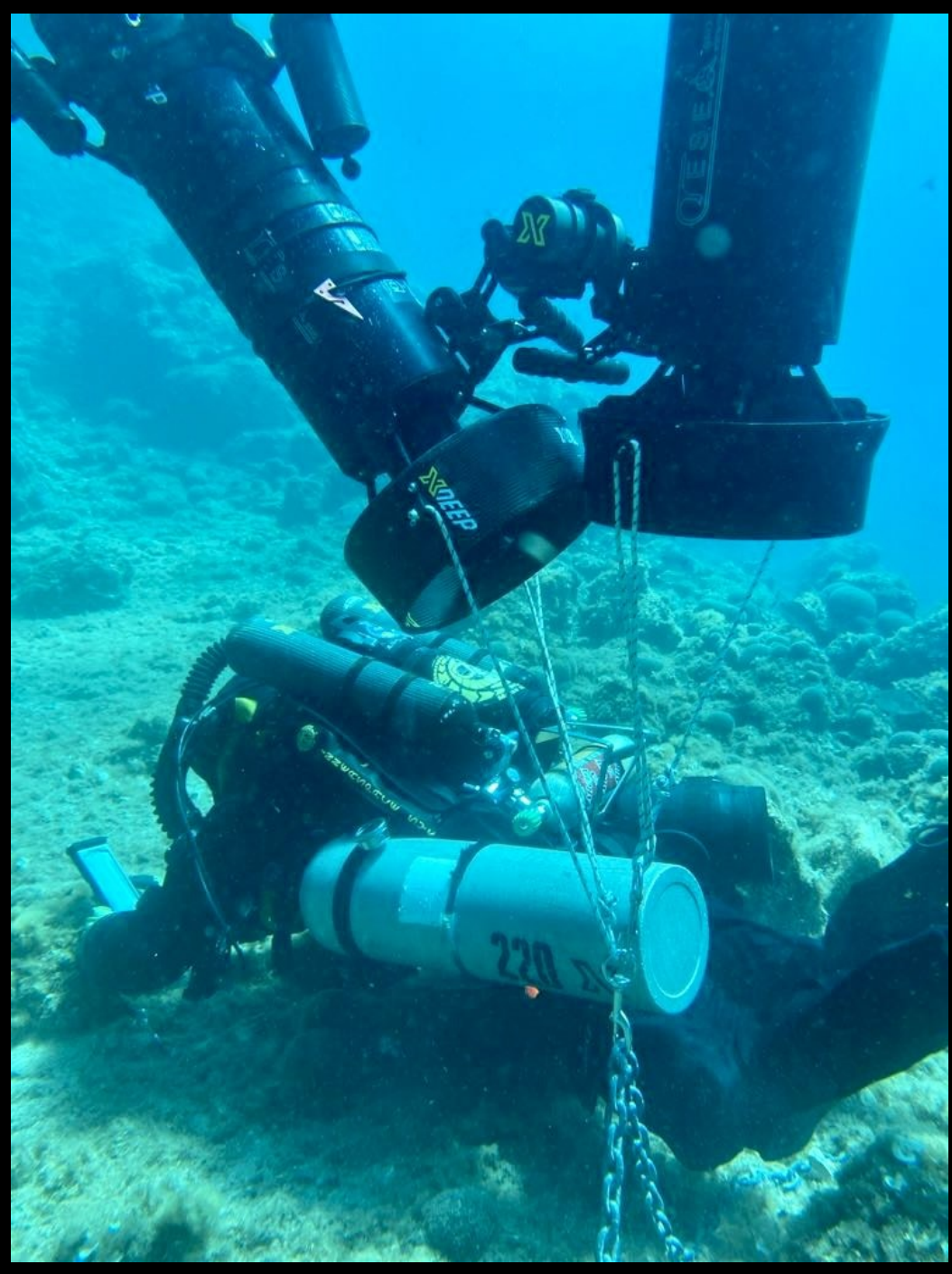
During ascent:

- Vestibular accident
- Convulsions (CNS)
- Inconfort (Fatigue/cold) during decompression

After the dive:

- Decompression sickness







Tek Images



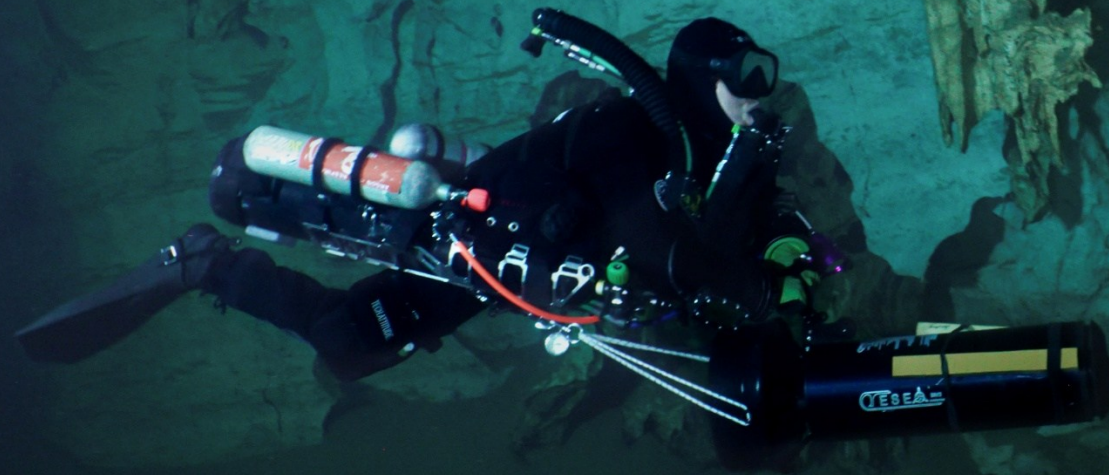
Small steps LEAD to giant leaps







Merci pour votre attention



Tek Images



@GAELLE.GIESEN