

Lecture II – 24 February 2009

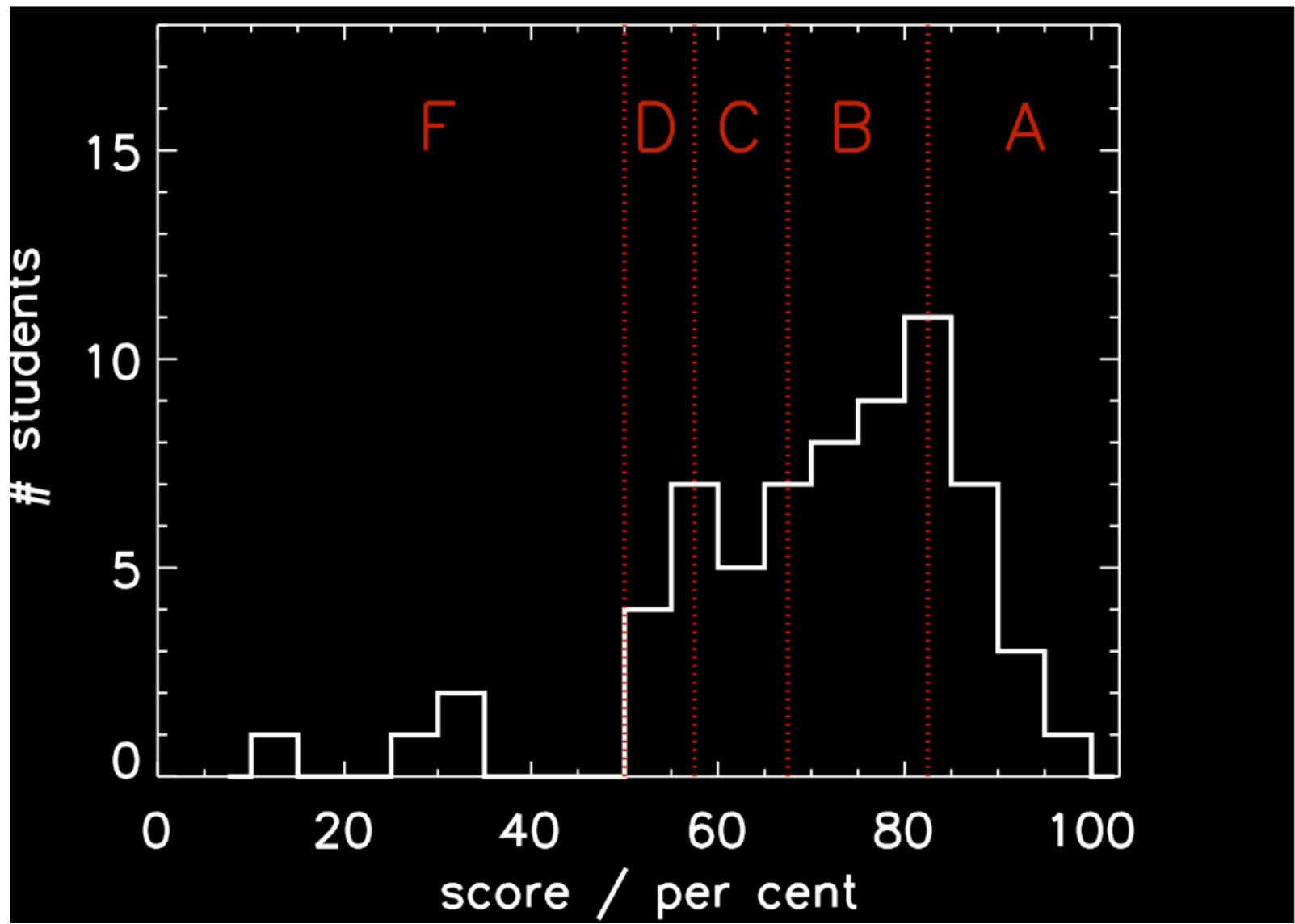


**HWK 4: due this evening, 11:59pm
HWK 5: Is out, due 03 March 2009**

- **SCIENCE TOPICS:**
Inventory of Solar System (cont.)
- **READING**
Ch 3, Ch 4, sec 4.1-4.2
Beware of excessive detail in the textbook
- **PRACTICE**
p.94 Review: 1-4, 6
p.94-95 Self-Test: 1,2,9,13
p.95 Problems: 3, 9

Annoucements

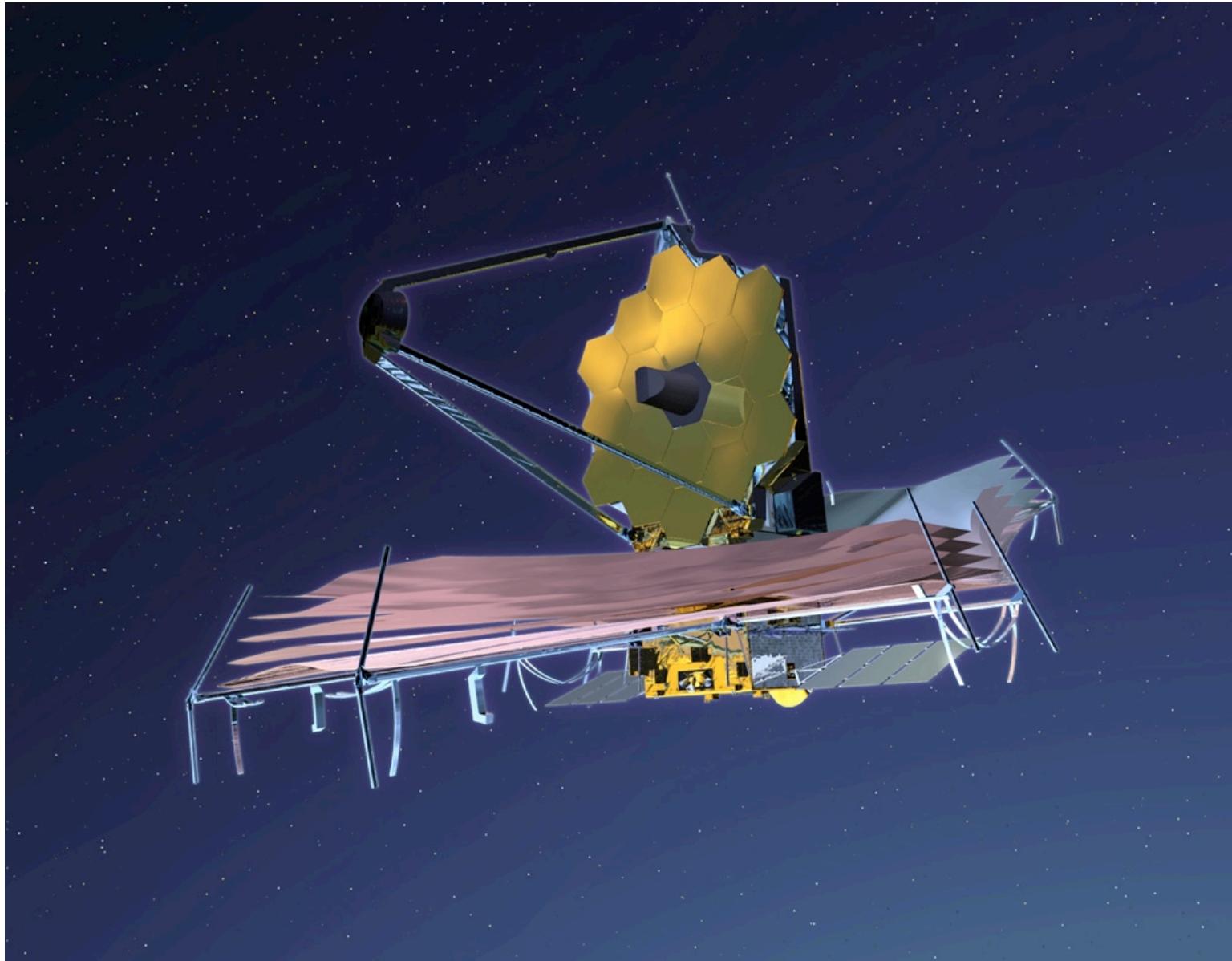
- Homework 04, Q12 Hint:
 - The Earth *has* been hit by 1-10 km asteroids
 - This *rarely* happens though...
- Test 02
 - next Thursday, 5th March 2009.
- Finals
 - Friday, 8th May 2009 08:00 - 09:50am :-(
- Comprehension 01



Average: 68.3%

Std. Dev.: 16.3%

The James Webb Space Telescope

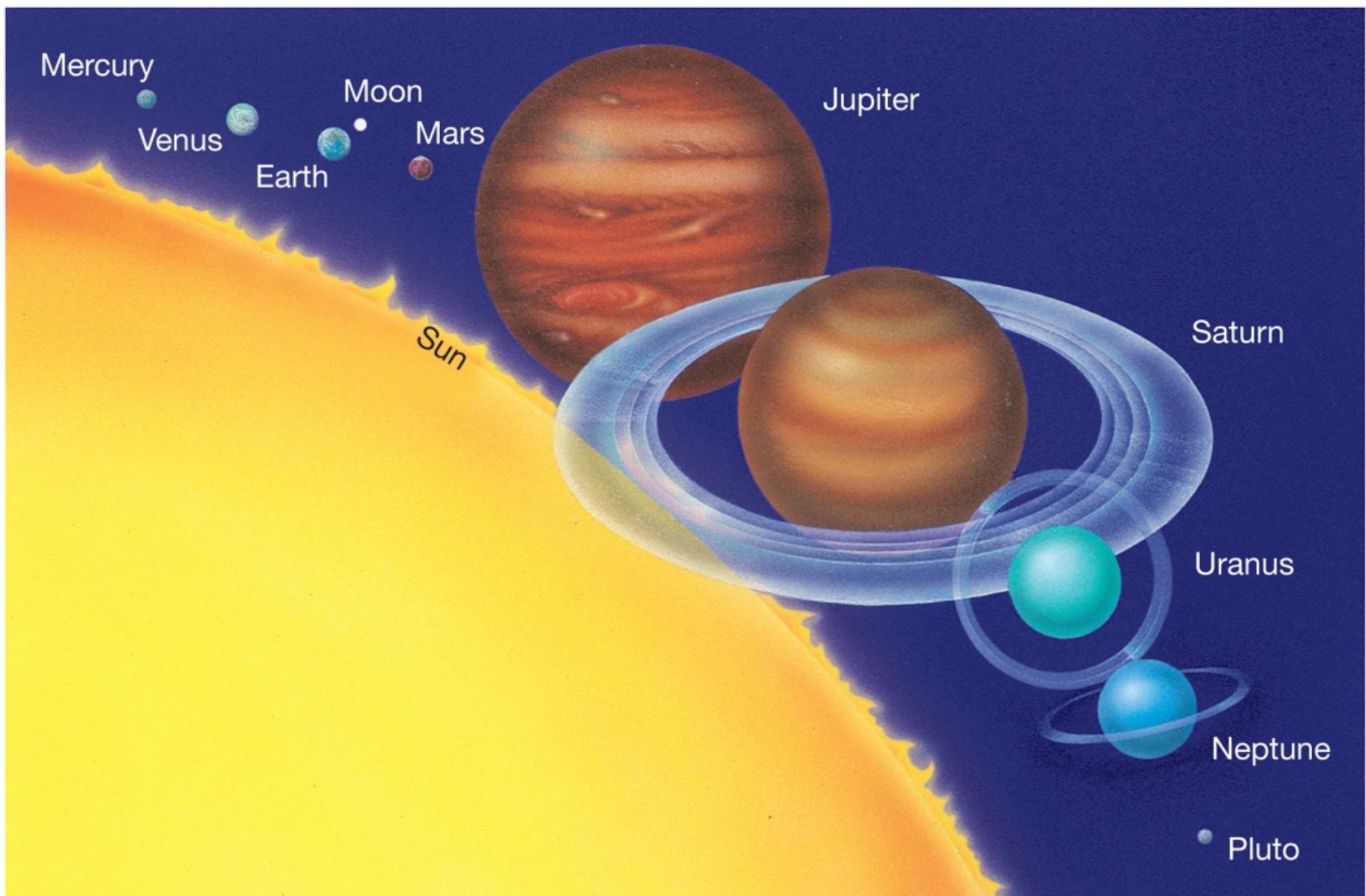


The James Webb Space Telescope

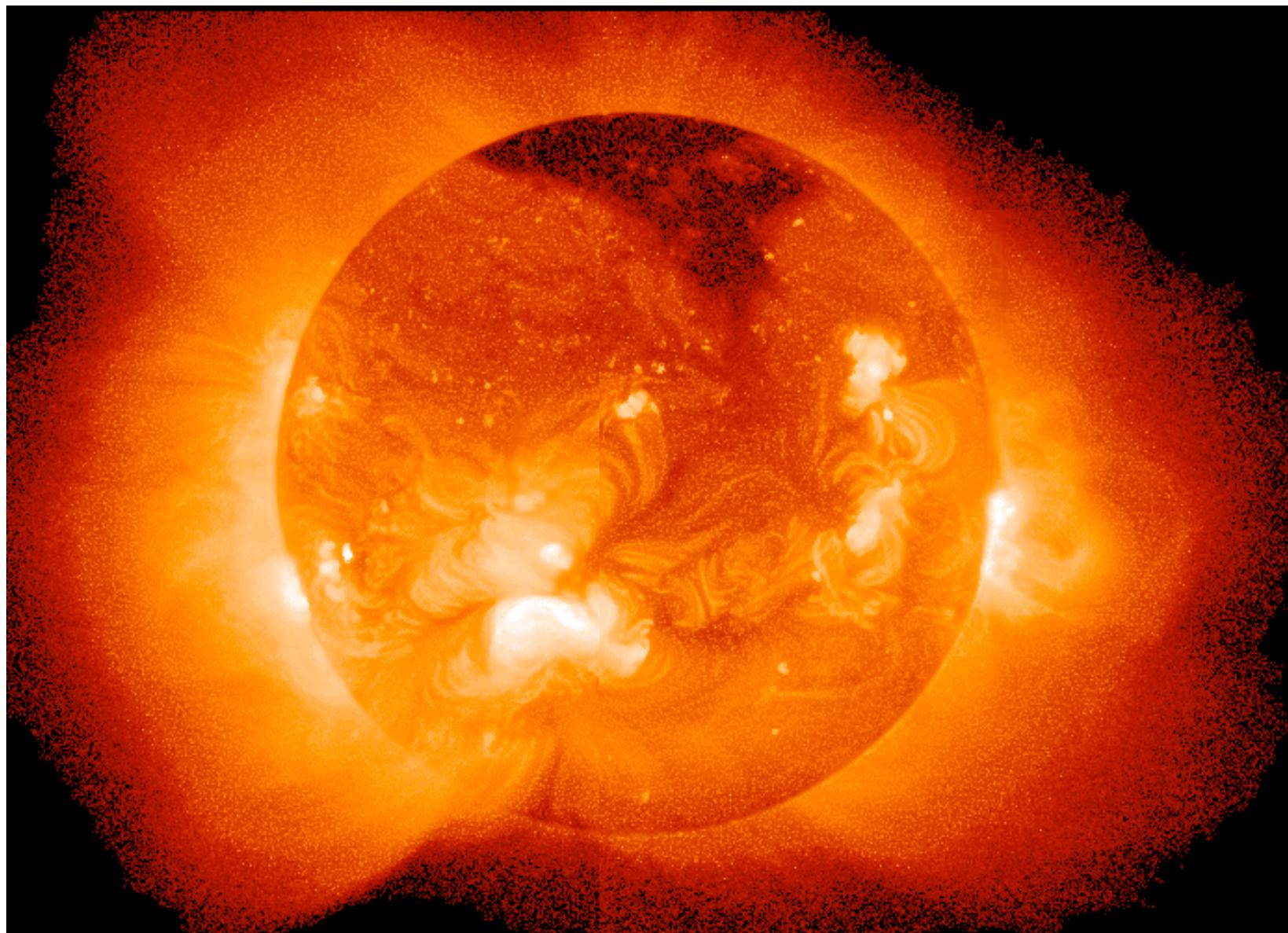


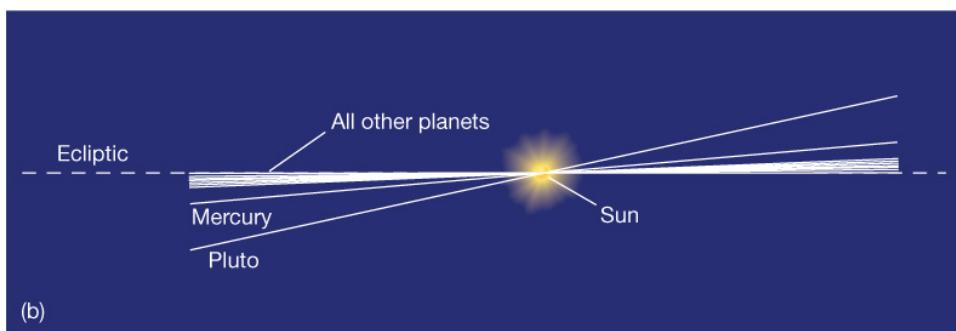
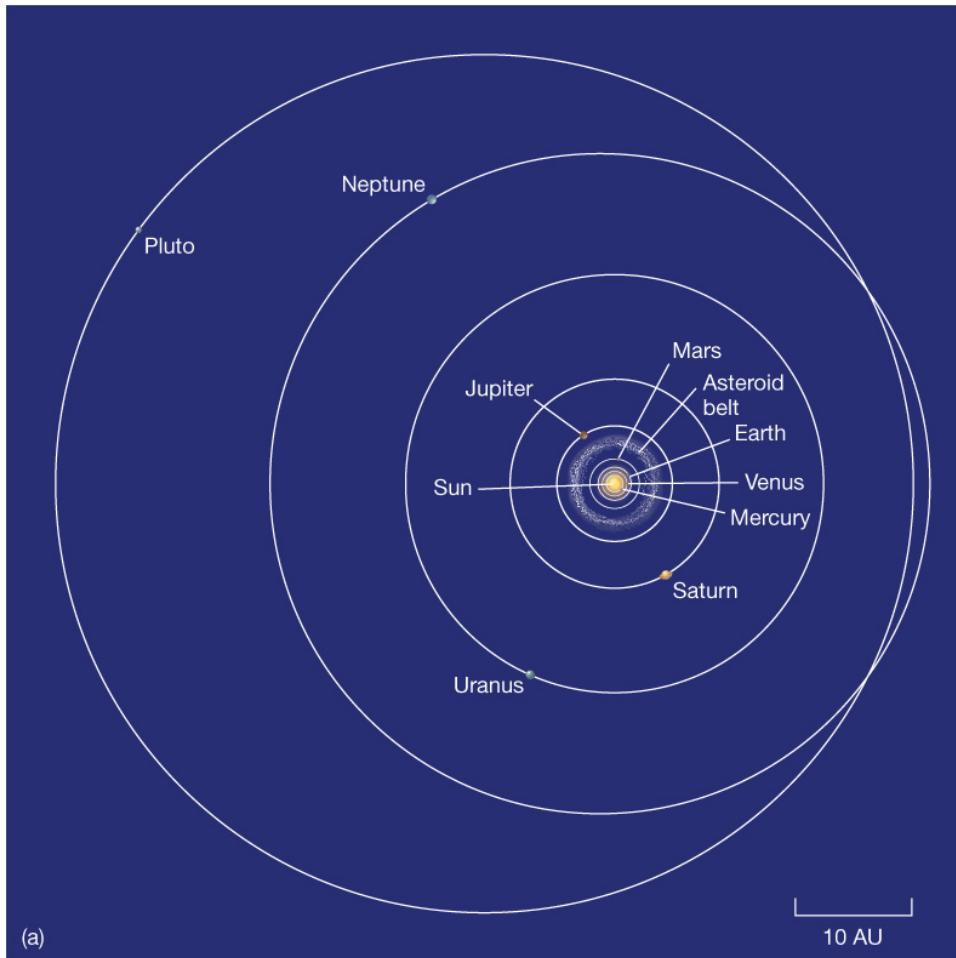
Inventory of the Solar System

The Planets



The Sun



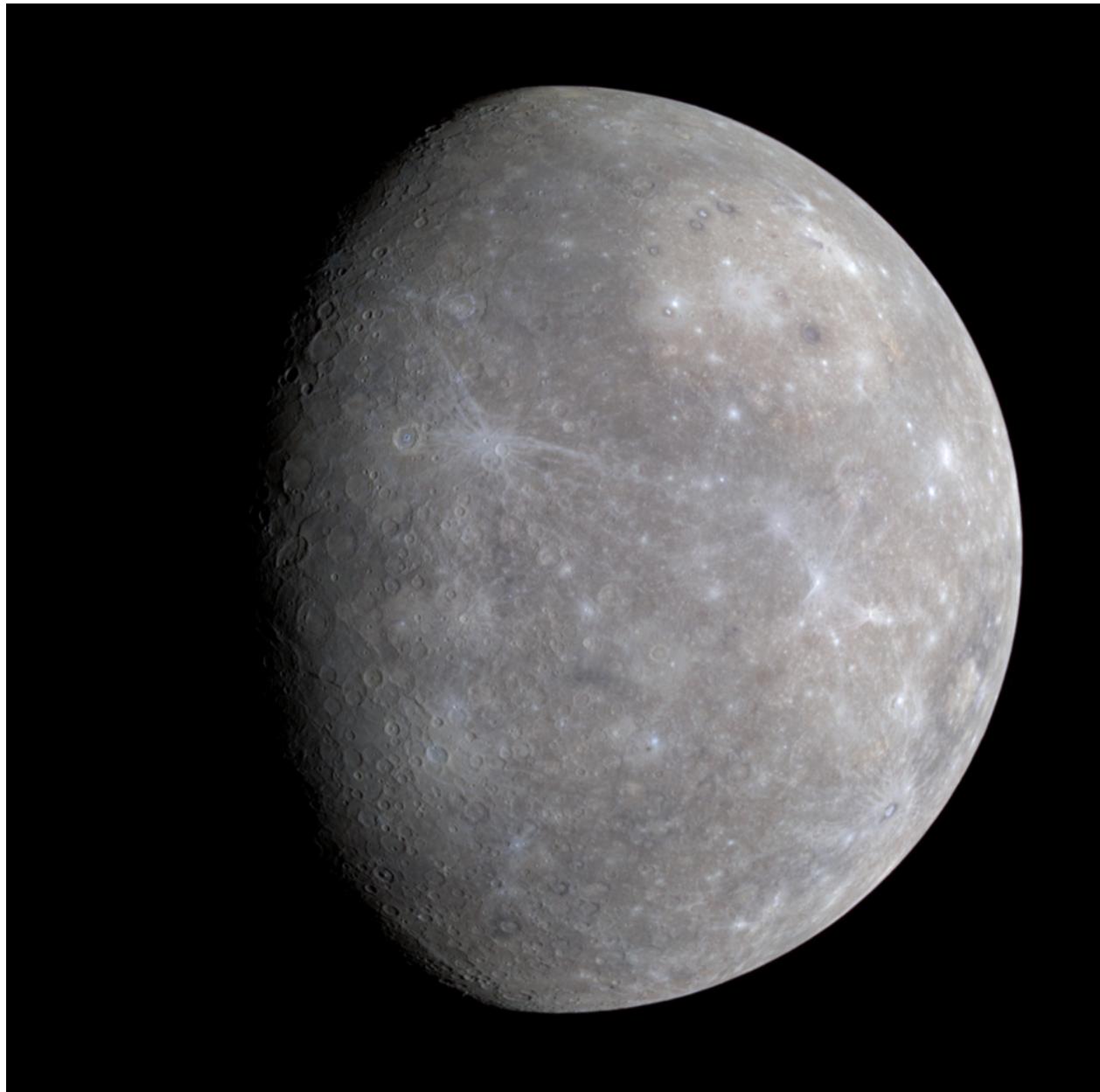


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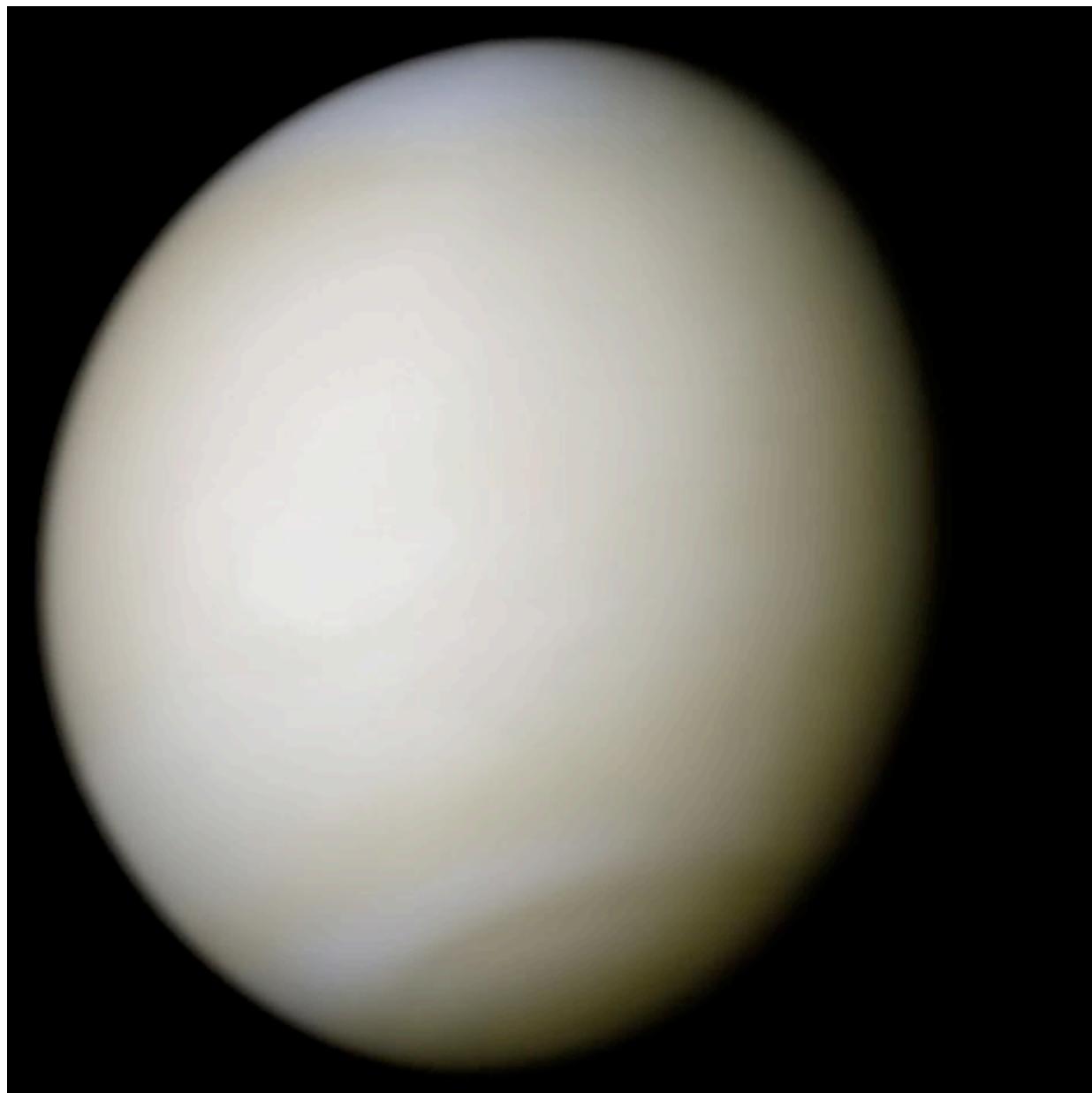
Planet	Distance (AU)	Mass	Moons?	Feature
Mercury	0.387	0.055	no	
Venus	0.723	0.815	no	
Earth	1.00	1.00	1	
Mars	1.523	0.107	2	
Jupiter	5.204	318	>60	
Saturn	9.582	95	>60	
Uranus	19.23	14	27	
Neptune	30.4	17	13	
(Pluto)	39 (aver.)	0.002	1 (3)	

Terrestrial Planets

Mercury



Venus



Earth

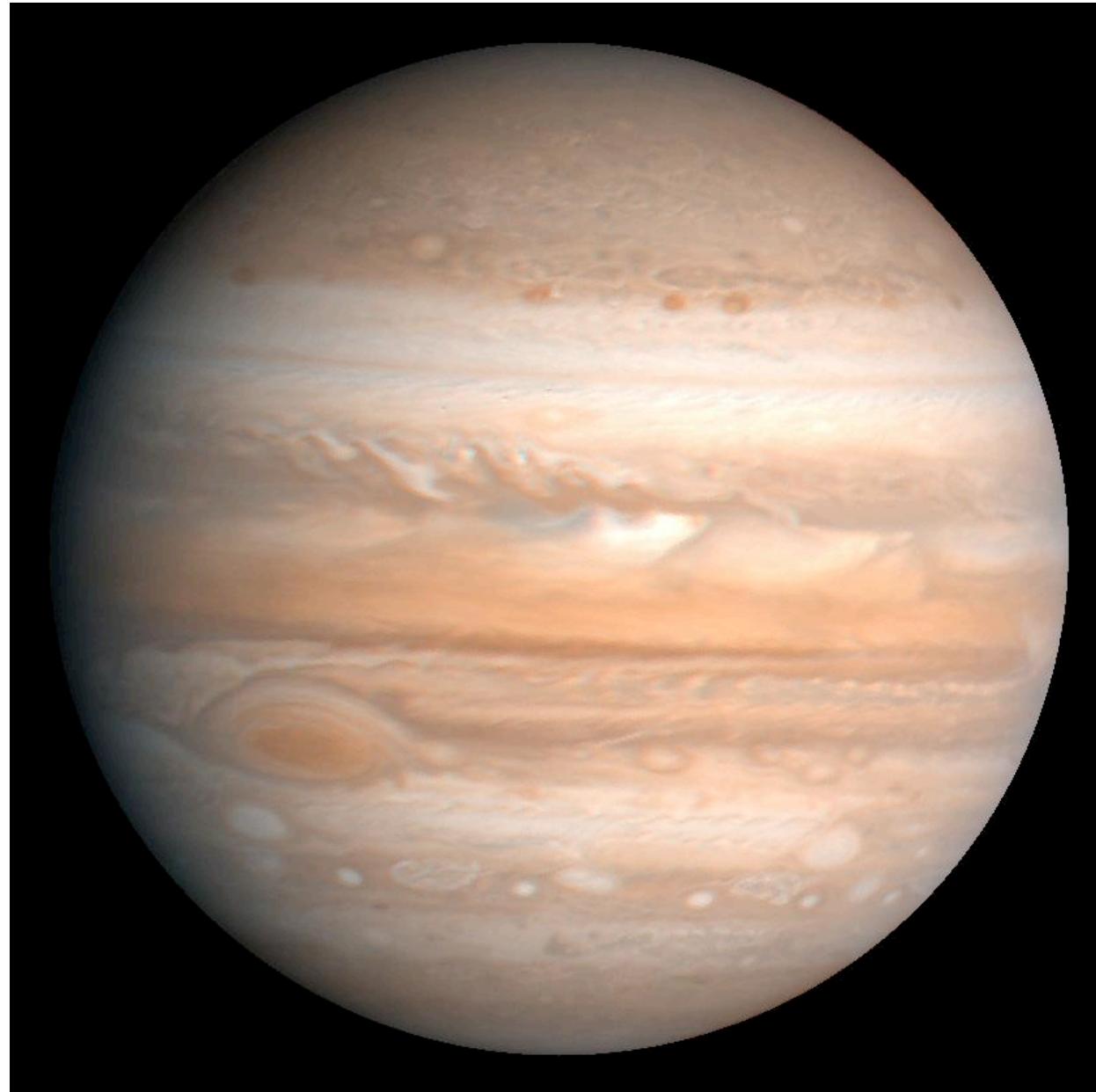


Mars



Jovian Planets

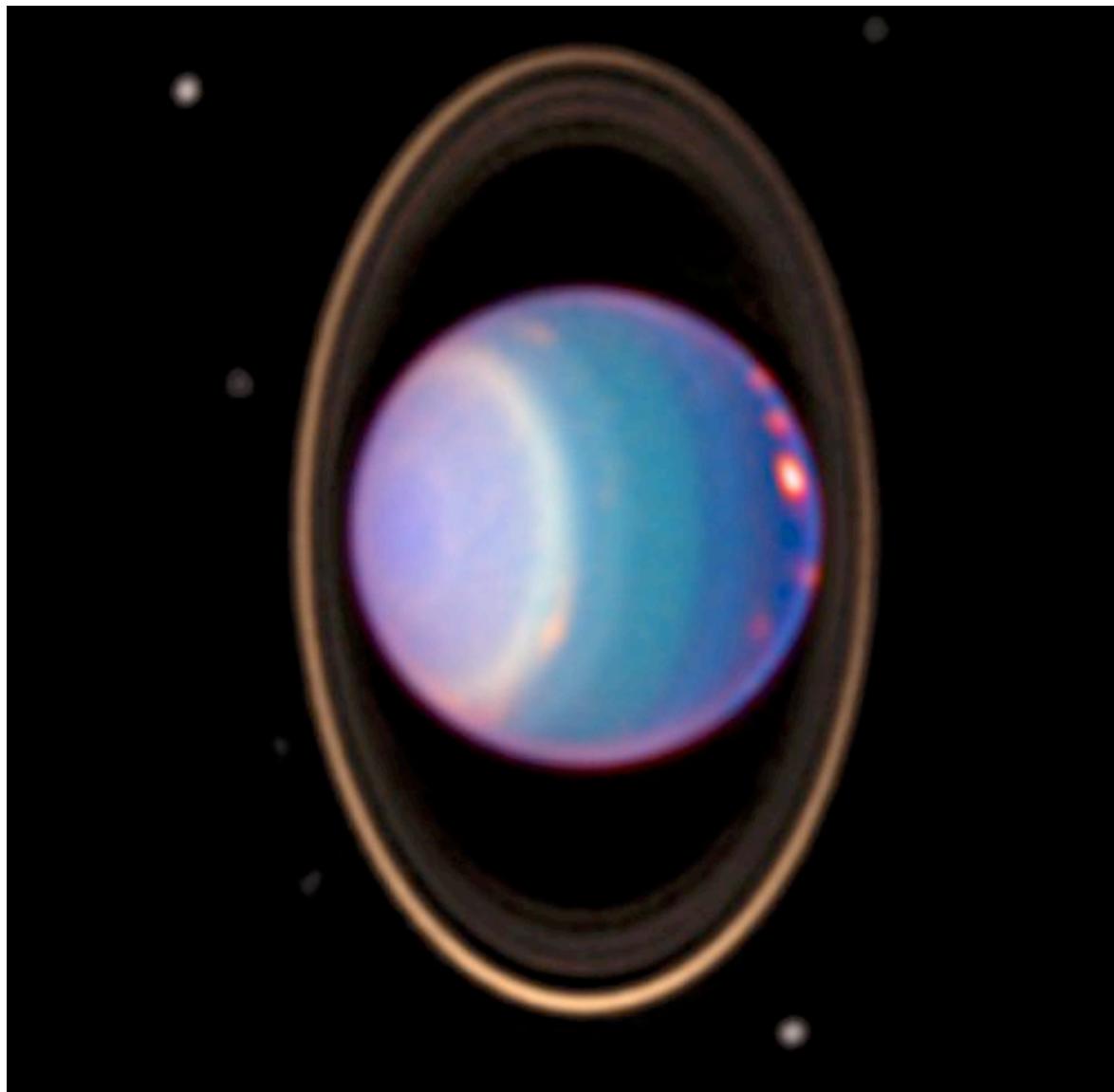
Jupiter



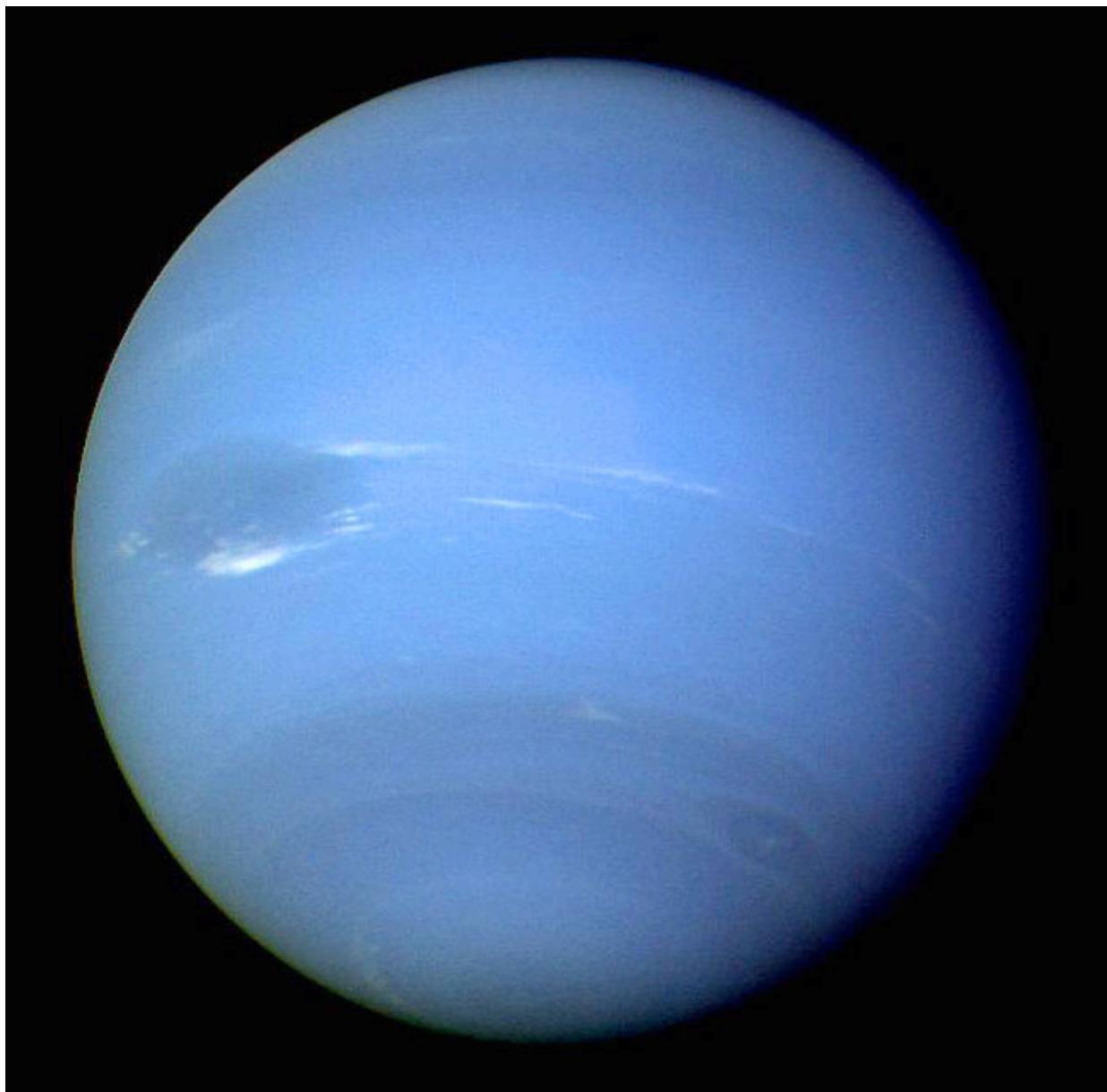
Saturn



Uranus



Neptune



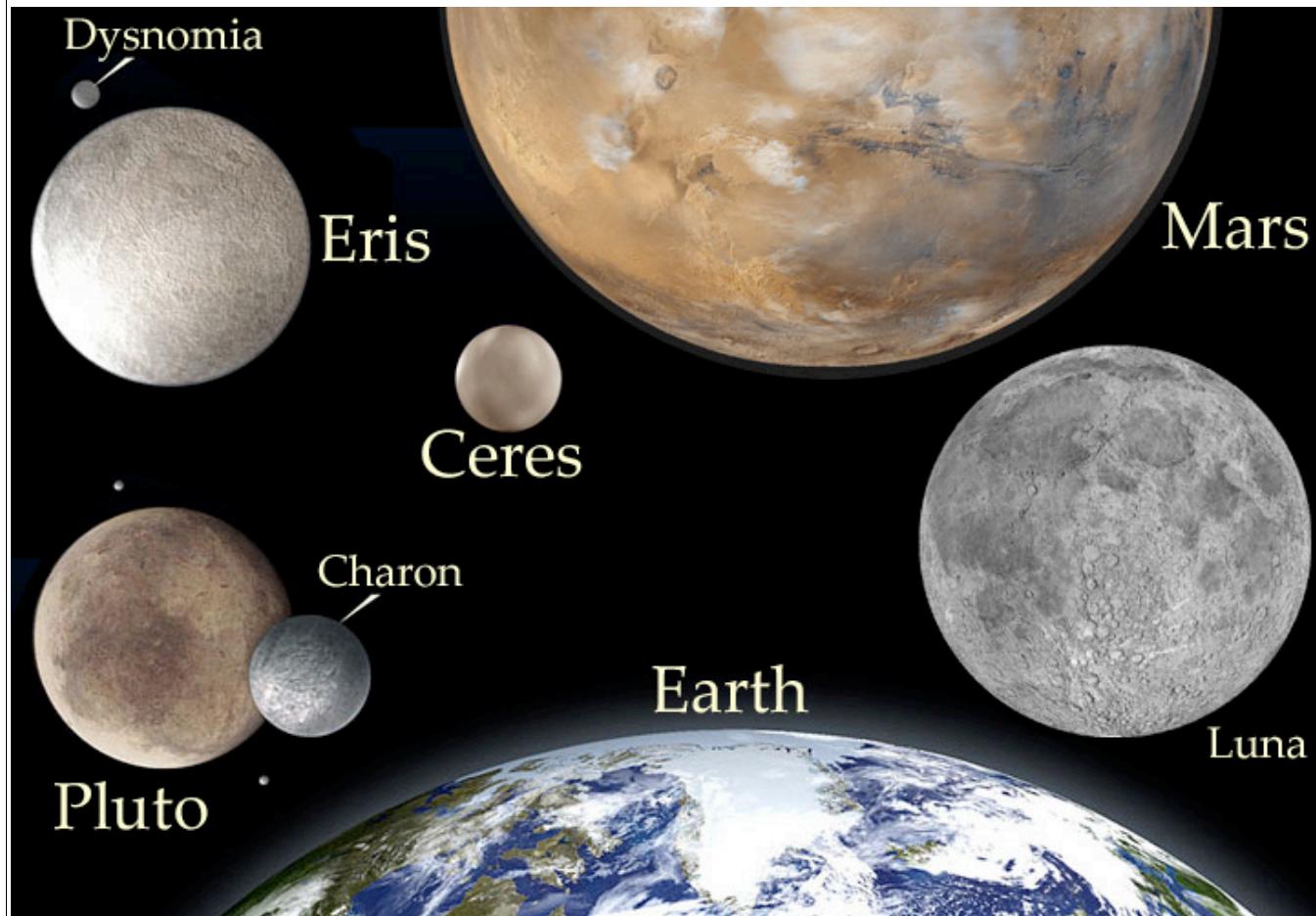
POOR
PLUTO



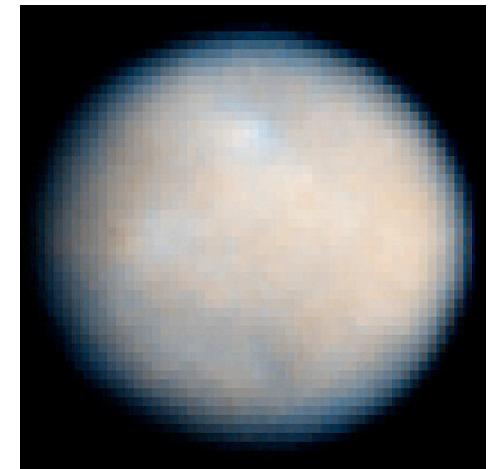
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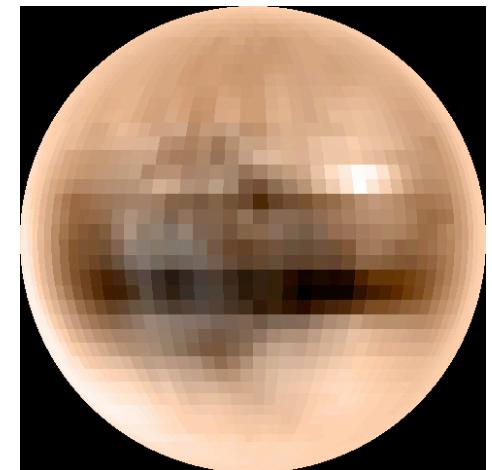
Dwarf Planets:



Ceres



Pluto



also: Haumea and Makemake