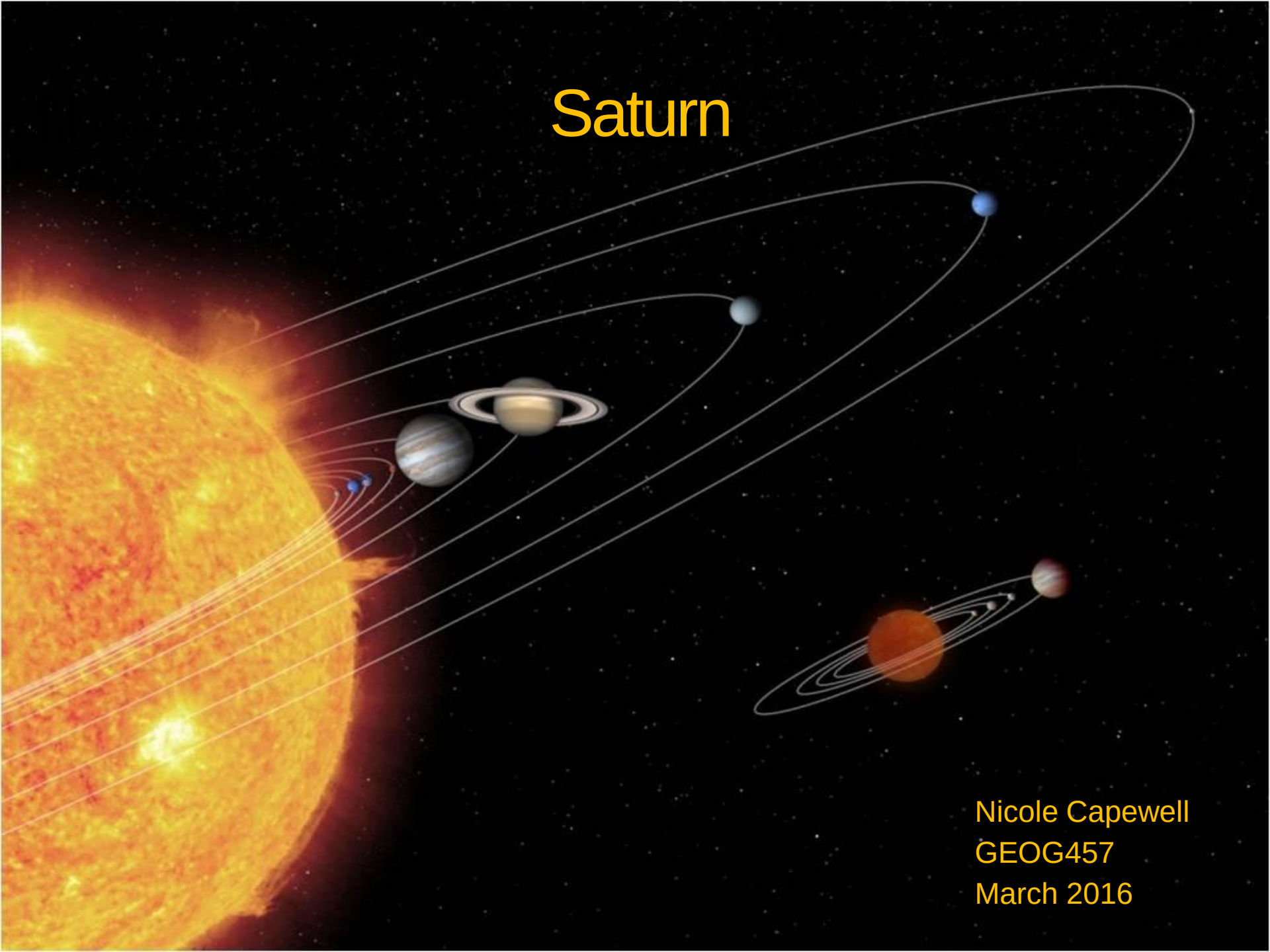
Saturn



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GEOG457
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EARTH

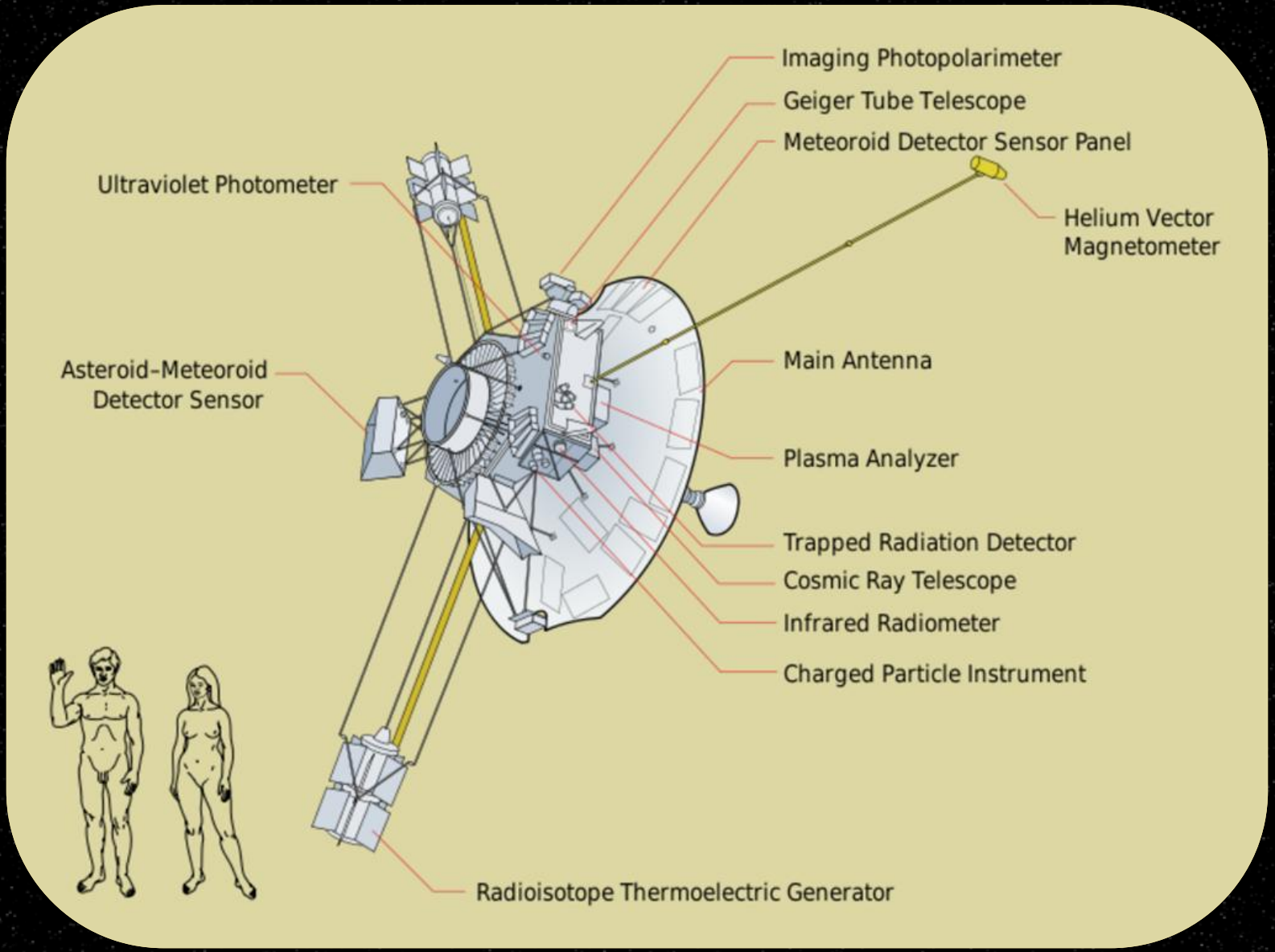
SATURN

Moon	Moon	Titan, Enceladus, Rhea, Dione & Mimas, etc (62 discovered)
Age	4.543 billion years	4.504 billion years
Radius	6,371 km	58,232 km
Orbital Period	365 days	29 years (10,756 days)

Sensor

- Sensor on Saturn: Pioneer
- Launch Date: April 6, 1973
- Arrival Date: September 1, 1979
- Type: Flyby
- Years of Operation: Mission ended September 20, 1995 (hasn’t been heard from since!)
- Missions to Follow: Voyager 1, Voyager 2, and Cassini
- Key findings of mission: first close up pictures of Saturn, and its rings, determined that Titan is too cold to support life

Instrumentation



https://prezi.com/kn4jdni7zkbb/pioneer-11/

http://www.space.com/17785-pioneer-11.html

http://www.space.com/20537-nasa-pioneer-11-spacecraft-anniversary.html

Cool Facts

- Northern/southern lights (aurora) can also be seen on Saturn
- Currently, Pioneer 11 is approximately 13 billion km from the sun and traveling in the direction of the constellation Scutum.
- Pioneer 11's encounter with Saturn was quite eventful in that it narrowly missed colliding with a moon (few thousand km)

Works Cited

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