

XI. Saturn

A. Four visits (1979-2017); 3 flybys (*Pioneer 11*, *Voyager 1* & 2) & 1 orbiter (*Cassini*)

B. Basics

1. Location

2. Orbit & rotation style

3. Gas giant planet - 2nd largest in the Solar System

4. Density

5. Day & year

1 Saturn day =

1 Saturn year =

6. Rotation axis strongly tilted

7. 82 known moons; 7 large moons

8. Prominent ring system

9. Magnetic field

10. Auroras

C. Interior of Saturn

D. Rings of Saturn

E. Atmosphere of Saturn

1. Composition

2. Subtle color banding

3. Relatively small storms

4. Winds

5. Hexagon at the North Pole