

The Master's most precious Ring

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Although the best telescopes on Earth show three nested main rings about Saturn, we now know that the ring system is a breathtaking collection of thousands of ringlets. They are not solid but rather are made up of countless unconnected particles, ranging in size from nearly invisible dust to icebergs the size of a house. The spacing and width of the ringlets are orchestrated by gravitational tugs from a retinue of orbiting moons and moonlets, some near ring edges but most far beyond the outermost main rings. Instruments tell us that the rings contain water ice, which may cover rocky particles.

There are ghostly "spokes" in the rings that flicker on and off. What causes them? Scientists believe they may be electrically charged particles, but we do not really know. Where do the subtle colors in Saturn's rings come from? We cannot say; the Cassini mission may well provide the answer. And what is the origin of the rings themselves? One theory is that they are the shattered debris of moons broken apart by repeated meteorite impacts. Another theory is that the rings are leftover material that never formed into larger bodies when Saturn and its moons condensed. Scientists believe that Saturn's ring system may even serve as a partial model for the disc of gas and dust from which all the planets formed about the early Sun. The Cassini mission will undoubtedly give us important clues.

It's important to study because:

- We've got to know that if it's any lives form in the ring F because it's made of ice, and in future we maybe in a closer future we will go on the ring F or on Saturn.
- Mini-jets: scientists are calling the trails in the F ring "mini-jets." The objects traveled in packs, creating mini-jets that looked very exotic. These small objects appear to collide with the F ring at gentle speeds about 2 meters per second. The collisions drag glittering ice particles out of the F ring with them, leaving a trail of 40-180 kilometers long.

Cassini scientists combed more images and found a lot of examples of these rogues during the seven years Cassini has been at Saturn.

Scientist believe that F ring region is like a bustling zoo of objects from a half-mile in size to moons like Prometheus a hundred miles in size, creating a spectacular show.

We thing that it's important to study Saturn and everything about it, including the weirdest F ring, with the help of the Cassini and the scientists for the future if when will be too many people on the Earth we are gone a move to the other planets for heaving a better life and a better know about the Saturn and the moons.