

## Lens has an ionized gaz bubble in the solar system

On the evening of september 14,1994 and on the evening of sptember 15, 1994, i observer 2(two) satellites around Satutn with a telescope of 50 mm opening in the city four days of the full moon, the smallest satellite Iapetus was to be based on observations i made with my notes here :

September 14, 1994(wednesday) campus of Laval university, the field reached between Adrien Pouliot flag and the flag near the Laurier boulevard.

(About 20 h.) with a lens (eye) that magnifies 104 times and a telescope with a lens 50 mm, i could see 4(four) satellites around Jupiter, one of Jupiter was close(in the telescope), on right and three left, if remember well.(Actually it is reverses.)

(Towards 21 h.) 2(two) satellites was clearly visible (with telescope) right of Saturn (reverse image, so left in reality). It has a full moon september 19, 1994 and Saturn was in opppsition in the night of 4 to 5 september 1994. The moon was about the 2/3 (two third) that night. One of the two satellite was almost certainly Titan (the distance of the planet Saturn was about 10 times its diameter). The other is between Titan and Saturn (about the tier of the distance between Saturn's Titan, so about 3.35 times the diameter of Saturn. This must be either another satellite Thethys, Dione, and Rhea. Personally this is difficult found.

The diameter of these four satellite is 1050 km (Thethys), 1120 km (Dione), 1530 km (Rhea), 5120 km (Titan). Note distinguished for their moment (the sidereal rotation period).

September 15, 1994 (thursday)

Telescope (on campus) i saw two satellite of Jupiter, the observation conditions were not very good. Actually these satellite of Jupiter were right. I quite possibly seen (by naked eye) the rest of shooting star 20 h. 8.

On campus, i saw the telescope 2 satellites of Saturn right to 20 h. 20 (left actually), a satellite of Saturn was far away and its probably satellite Iapetus and the other is probably Saturn. The observation conditions were not very good but better, however, that for Jupiter today. He had the moon and it will be full in four days. The approximate magnitude of Iapetus was 11 when Saturn is in opposotion (and that was the case at 0 h. 45 in Sainte-Foy on the Laval university campus(hours of Sainte-Foy). My telescope allows me having a magnitude of at least 11 or so.

Hypothesis :

My first assumption was the effet of a gravitational lens of Saturn, but it was long before that he had ionized gas bubbles around several galaxies, we know it has a magnetic belt around the Earth is called Van Allen belt and trap ions from the solar flares, and if there is a similar system around the planet Saturn, so i can run this hypothesis.

I could see the satellite Yapetus (apparent magnitude of 11) with my telescope 50 mm opening in the city four and five days of the full moon night of 14 and 15 september 1994 with an impact of lens has ionized gaz bubble around Saturn would be the ions coming from a solar eruption and would be trapped in the magnetic belt of Saturn.