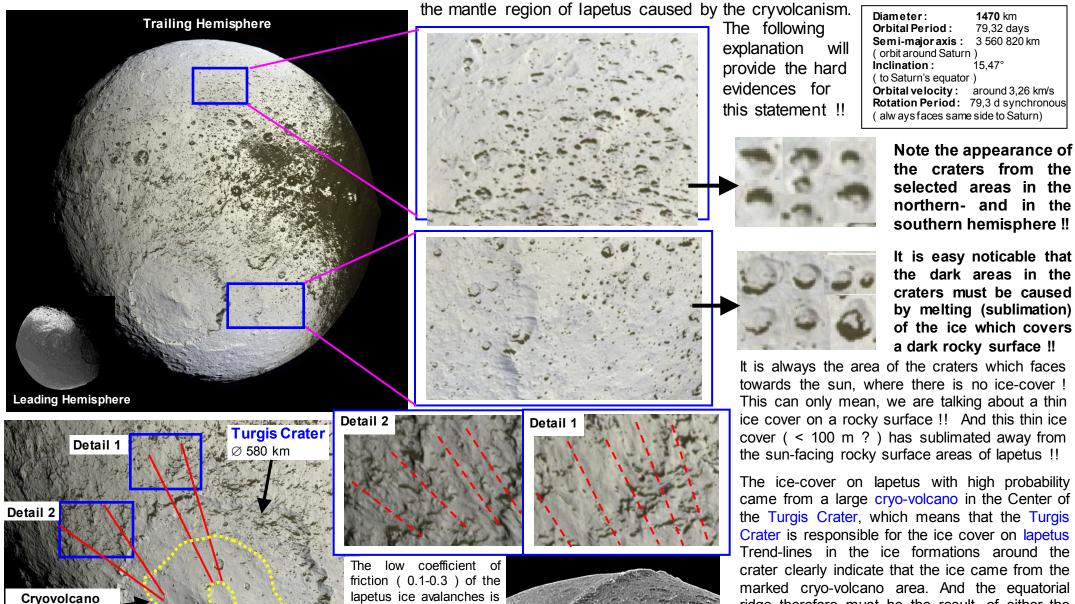
8b The icy surface on Saturn Moon lapetus originates from a large cryovolcano which is the result of a global impact

The analysis of NASA, that lapetus had originally a complete icy surface which was covered with dark material, is incorrect ! It is the opposite way ! lapetus had originally a rocky surface which was covered by ice from a very large cryovolcano, resulting from a global impact. This impact formed the \emptyset 580 km Turgis Impact Basin. And the equatorial ridge may be the result of the water-loss of



Equatorial Ridge

probably caused by heat

coming from the impact

area (warm ice)

(shield volcano)

final caldera

ridge therefore must be the result, of either the impact shockwave, the water-loss in the mantle & tidal forces, or the combination of them.