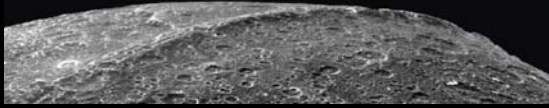


RIDGE CHARACTERISTICS



Porco et al. (2005)

Length ~ 4680 km

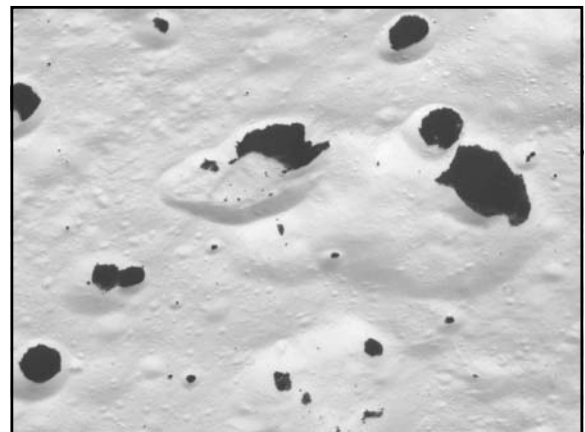
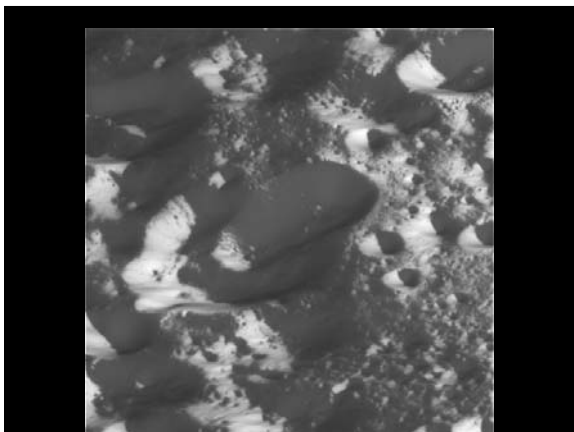
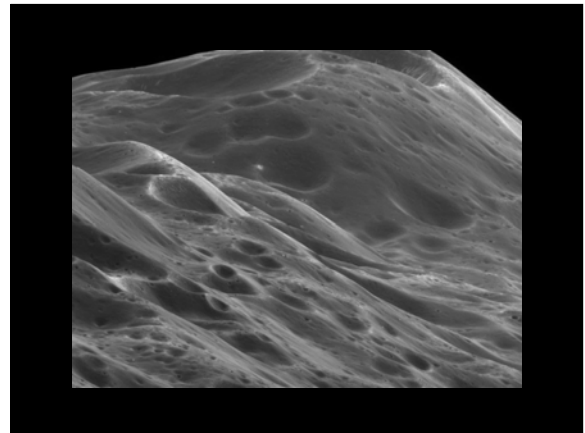
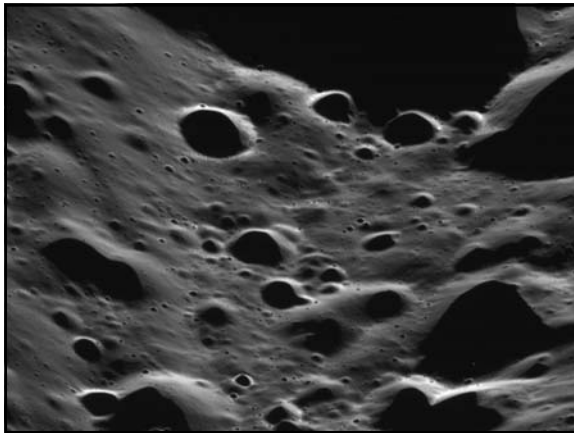
Width ~ 100 km

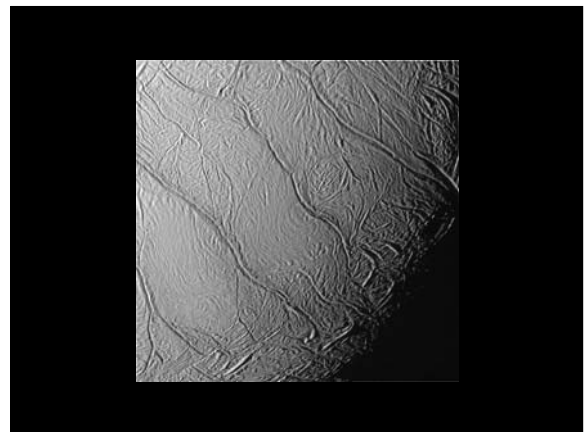
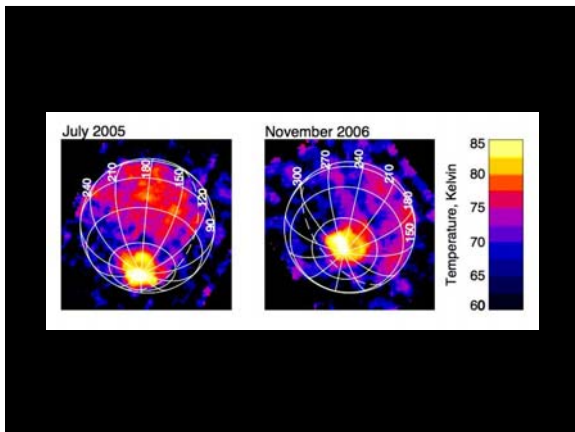
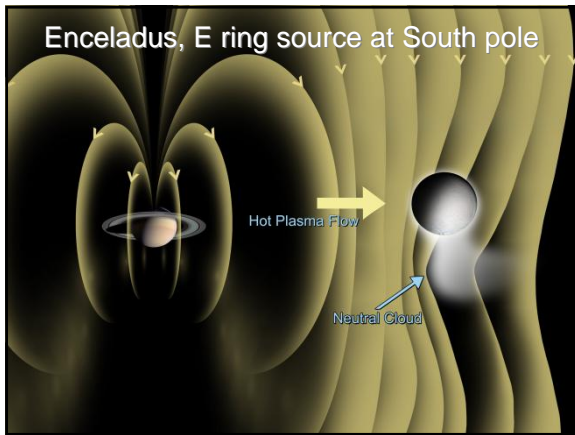
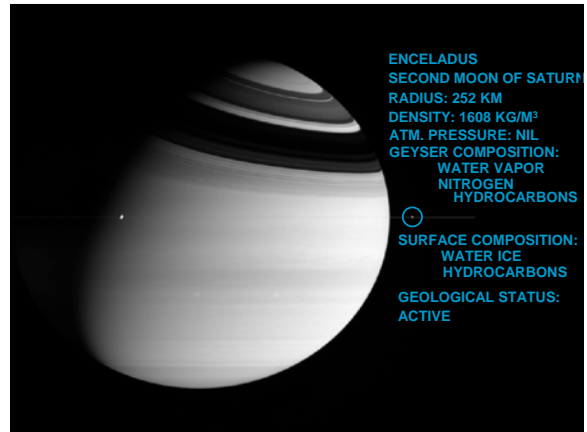
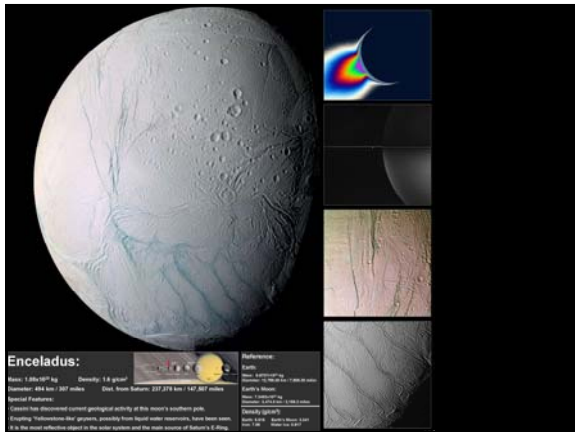
Height up to 20 km

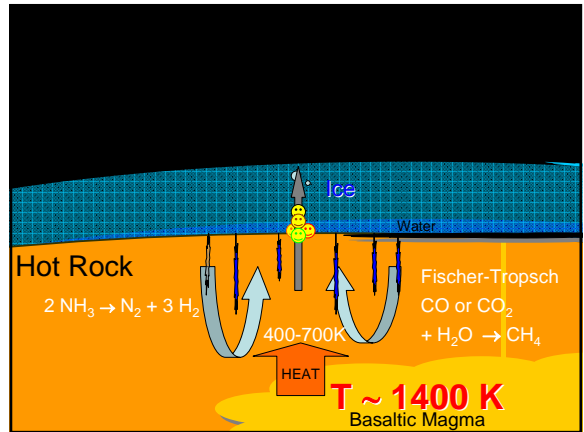
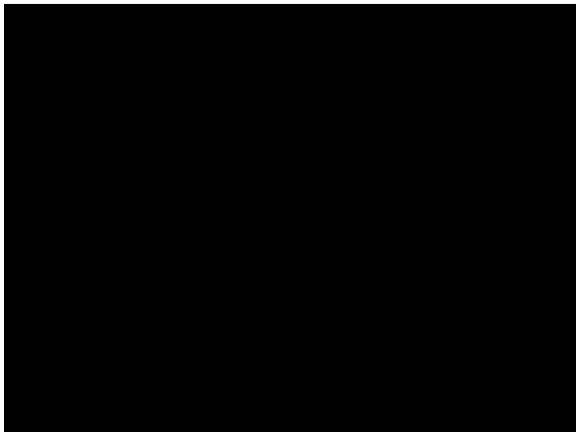
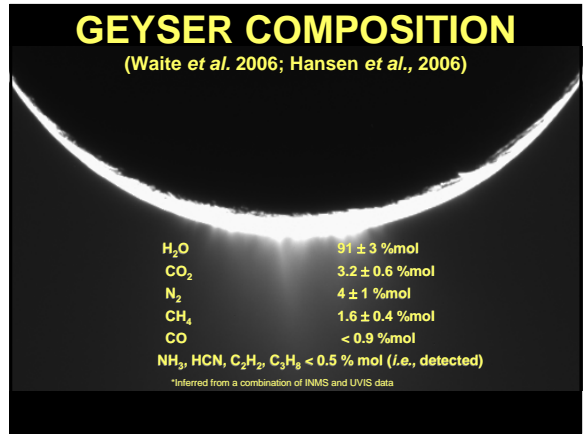
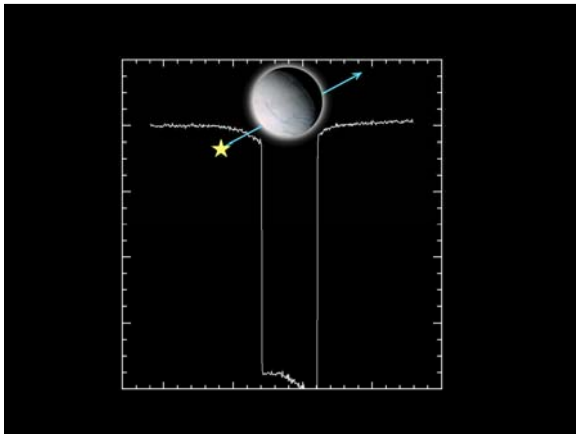
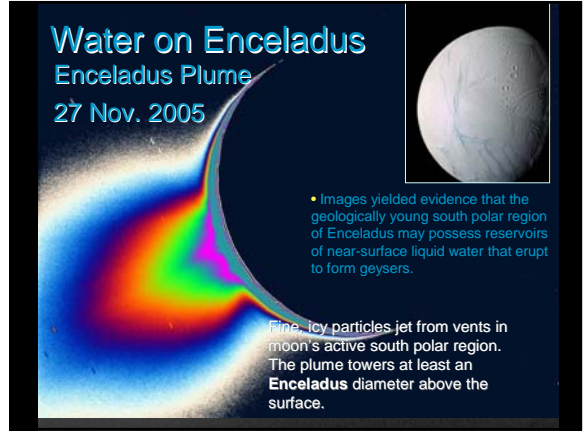
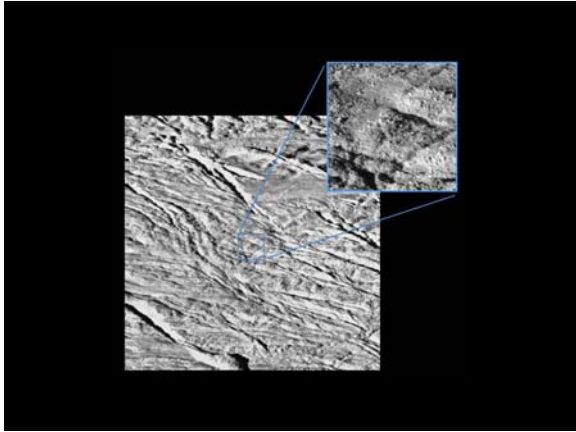
Very steep flanks, slope angle partly $>30^\circ!$

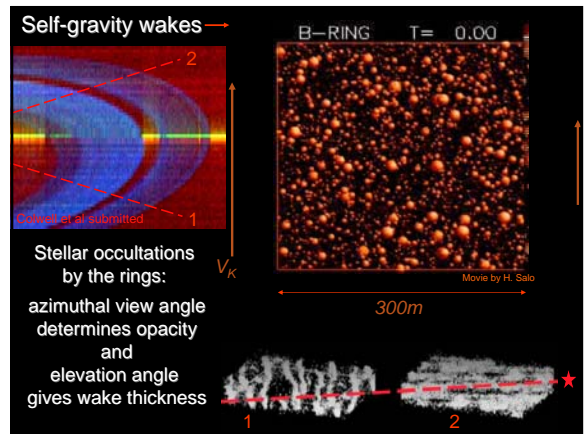
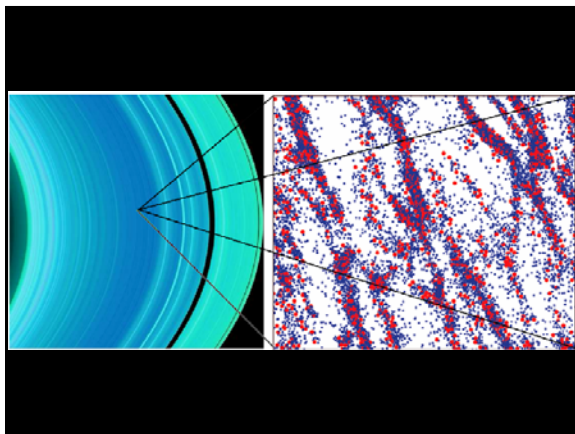
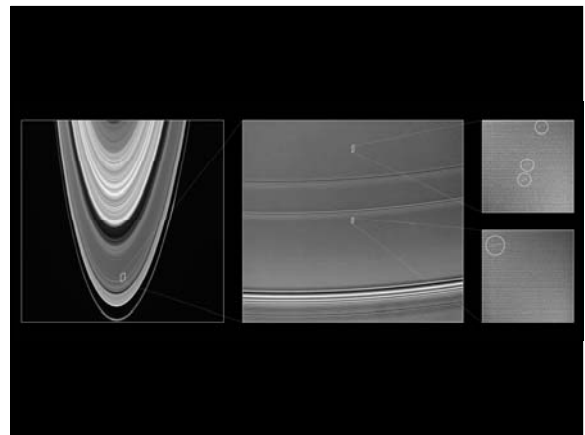
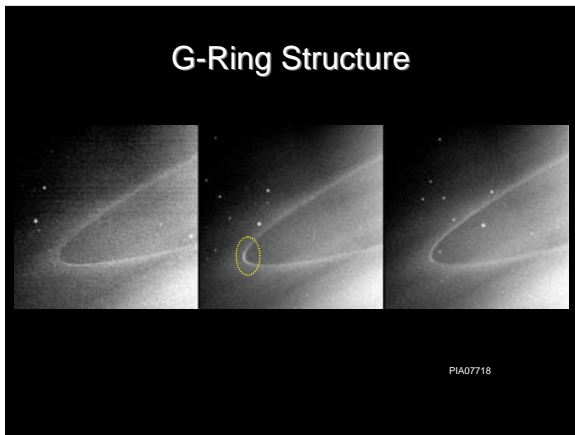
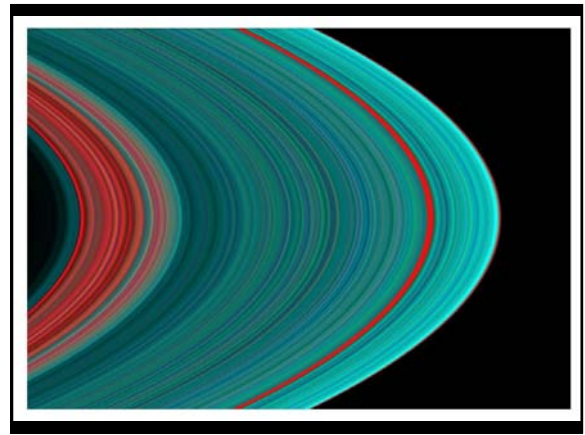
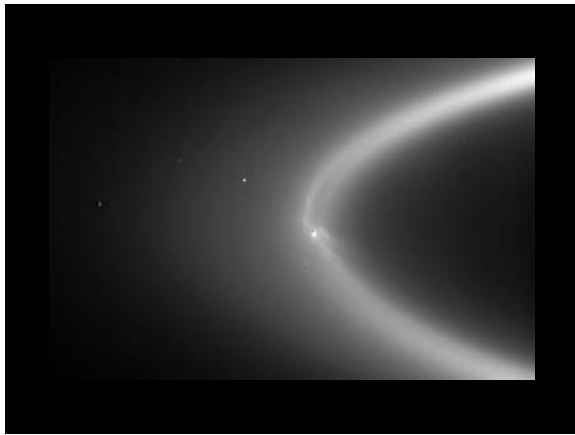
Age ~ same as surroundings (4.4 - 4.5 By)

Structure: single or double ridge









UVIS
VIMS

Colwell et al. 2006, 2007
Hedman et al. 2007
measured transmission
strong function of the observation geometry

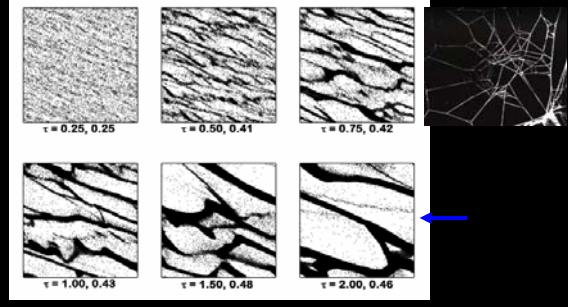
the clumps!

They do not measure the mass inside

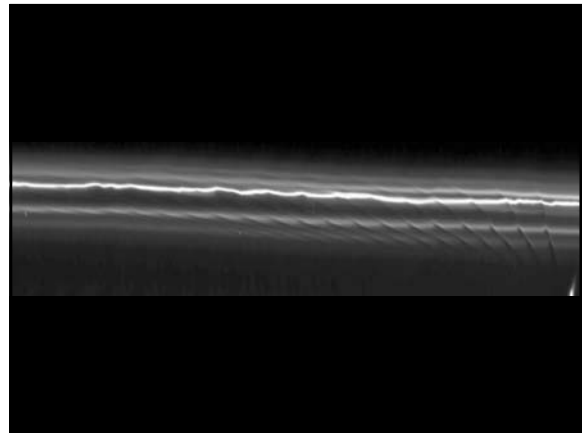
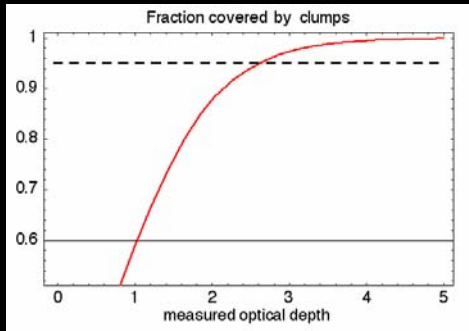


Colwell's Granola bar model

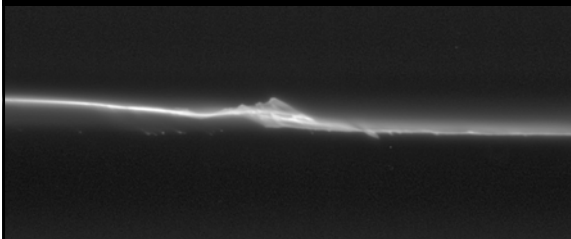
connectivity



Fraction of surface covered by high-density clumps is > 95% for measured optical depth > 3



Puzzling F ring Gossamer Structures



In this high phase angle image of the F ring, gossamer structures suggest that unseen objects are perturbing the ring.

