



Plate 17. Distribution of hydrate and UV and near-IR albedos. **(a)** Non-ice distribution measured from New Horizons (*Grundy et al.*, 2007). **(b)** Molar distribution of hydrate assuming sulfuric acid hydrate, but representative of other hydrates (*Carlson et al.*, 2005a). **(c)** Voyager UV/V map, from *McEwen* (1986). Blue denotes high UV absorption and corresponding low UV reflectance. **(d)** Galileo NIMS 0.7 μm /1.2 μm ratio map, scaled (*Carlson et al.*, 2005a). Note the correlation of the non-ice hydrate distribution [(a) and (b)] with both the UV (c) and the near-IR absorber (d), and the trailing-side enhancement of all three.

Accompanies chapter by Carlson et al. (pp. 283–327).