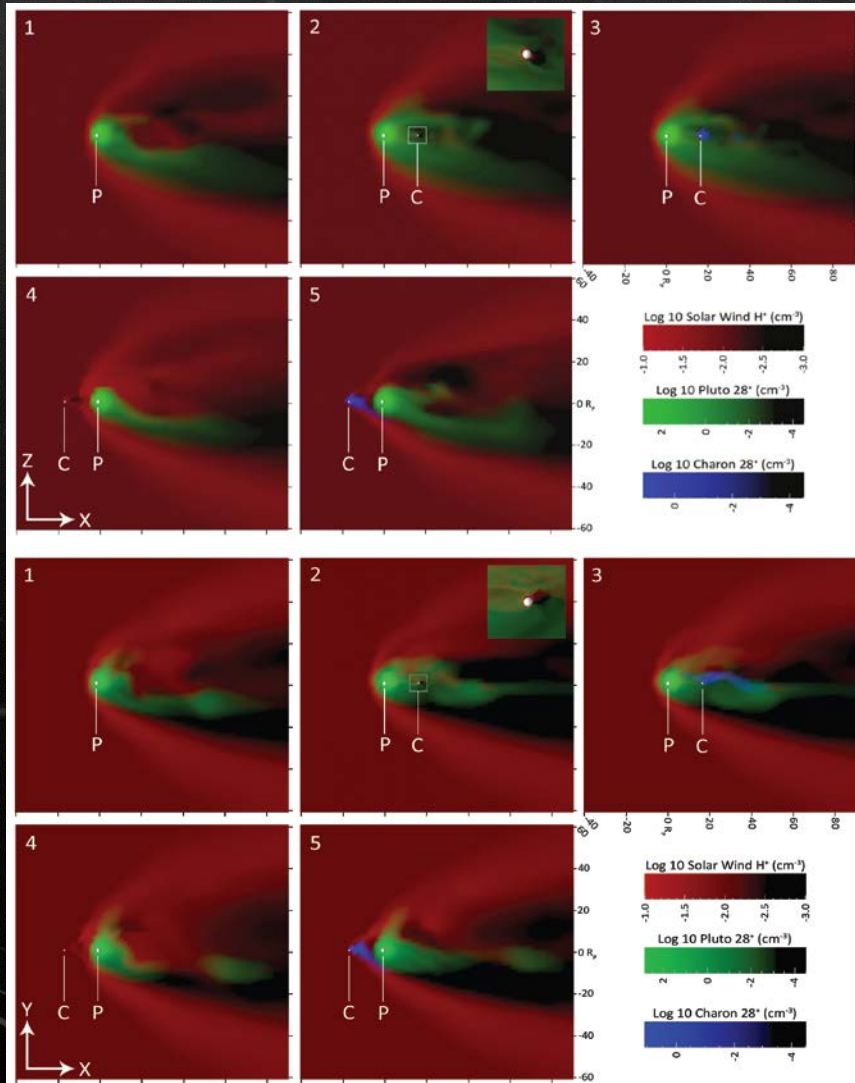


PLUTO-CHARON SOLAR WIND INTERACTION DYNAMICS

OPAG, 2/23/2017

JOHN HALE

CHARON'S EFFECT ON SOLAR WIND INTERACTION



Charon can significantly alter the interaction between Pluto and the solar wind

Effect is most evident when Charon possesses an atmosphere of its own

Evidence for Charon decreasing atmospheric loss from Pluto at certain times in its orbit

Plutogenic material observed to impact Charon when downstream of Pluto (likely cause of Mordor Macula)

Pluto–Charon solar wind interaction dynamics. *Icarus* (2016)