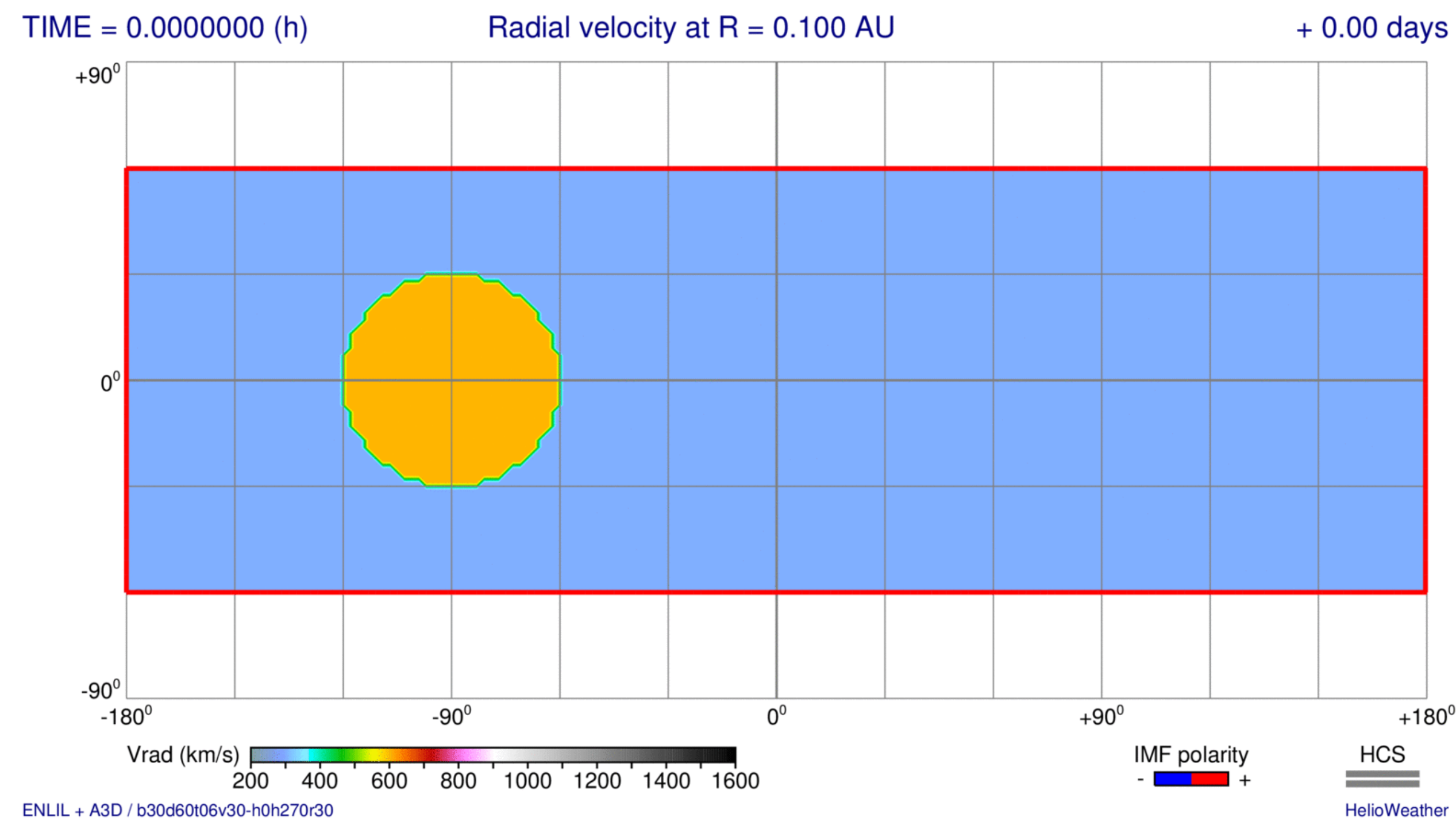
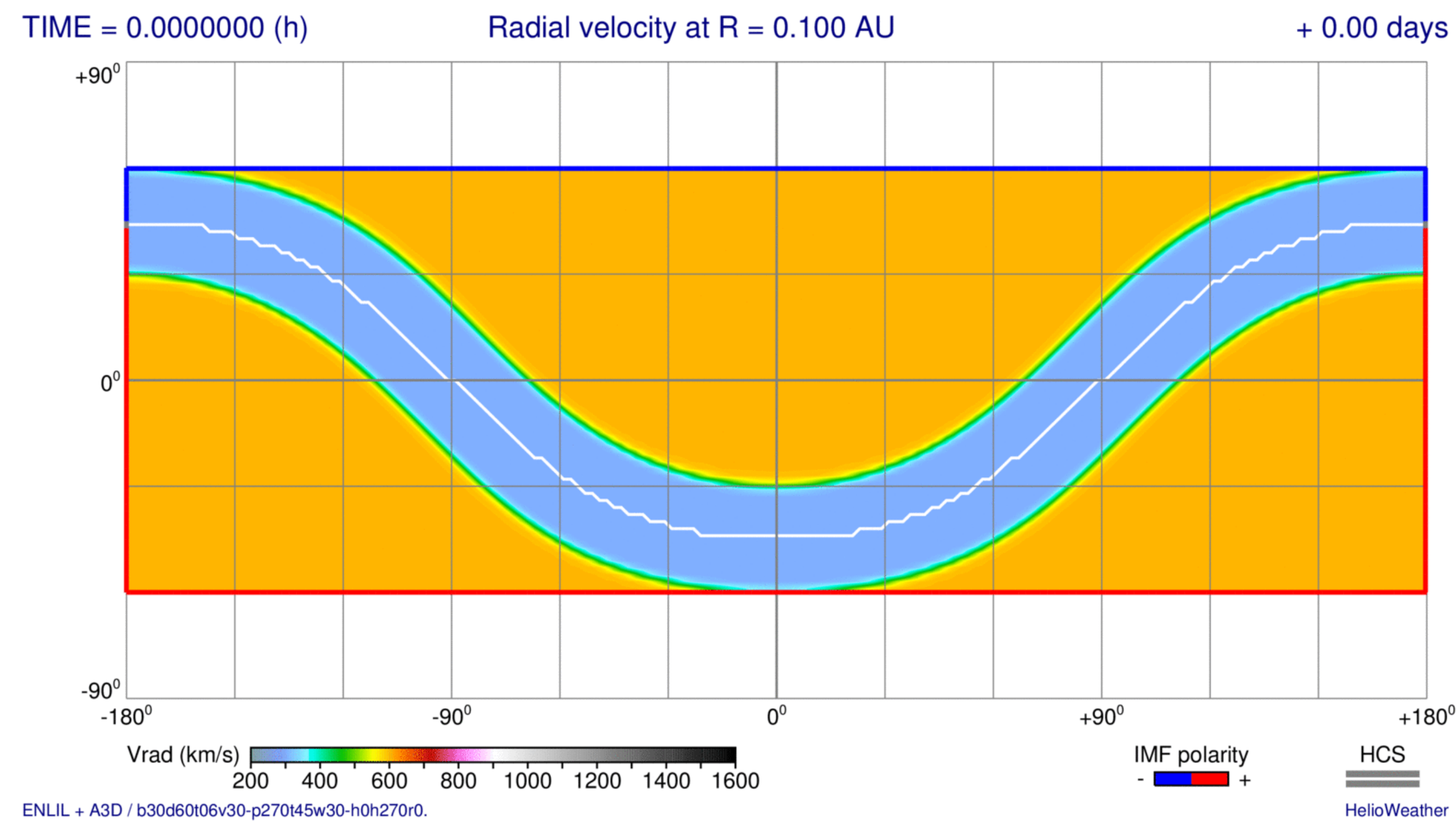


CIRs and Shock-Pair Structure

Dusan Odstrcil

“Tilted Dipole”

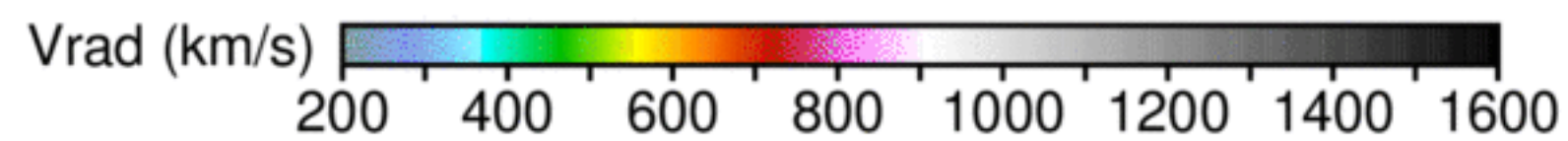
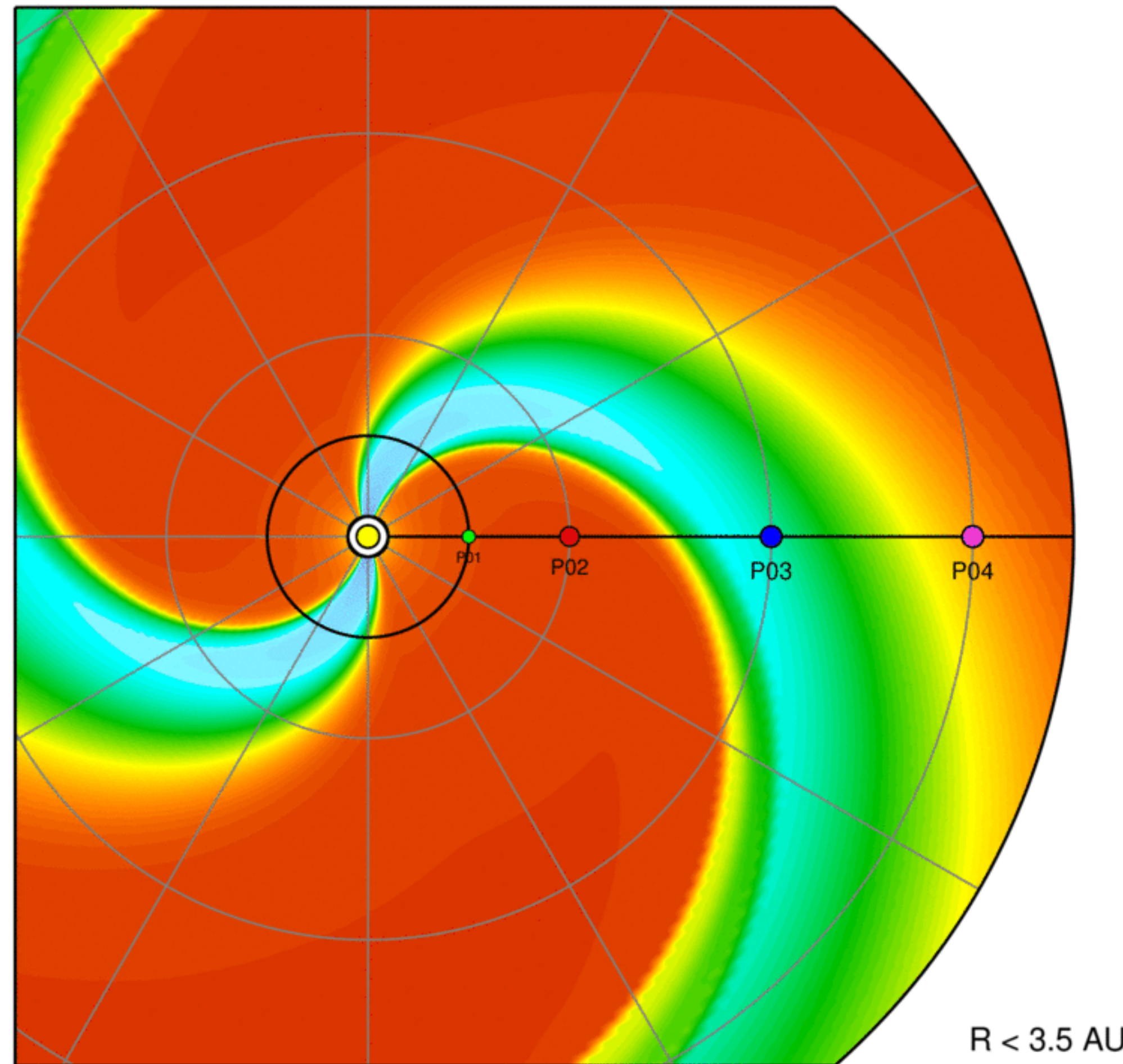
“Coronal Hole”



“Tilted Dipole” — Formation of a Shock-Pair Structure

TIME = 0.056 h

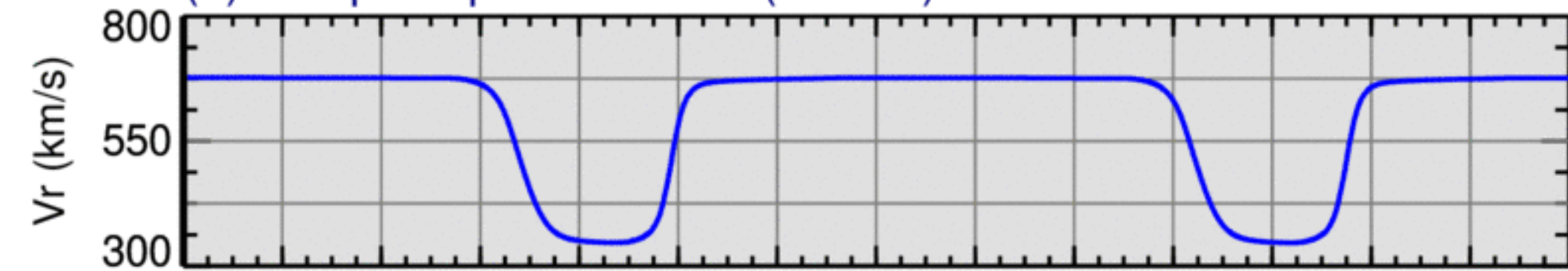
(a) Equatorial plane



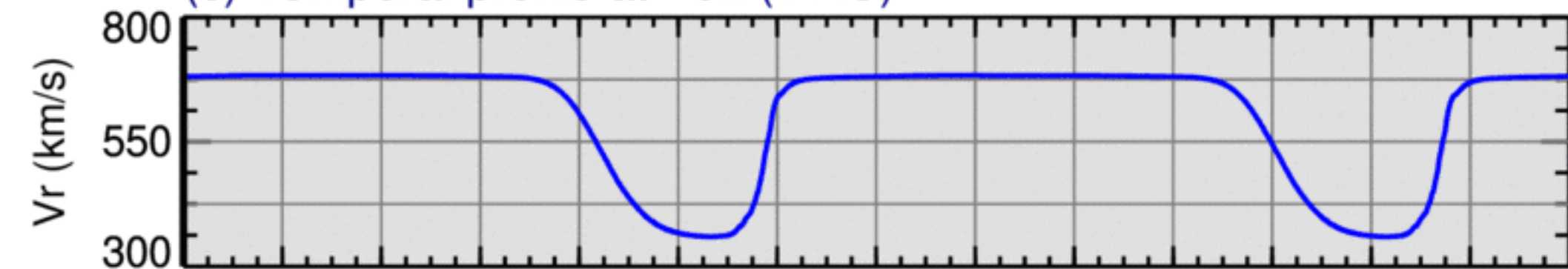
ENLIL2D-emeres + s30z5t45p270

TIME = + 0.002 days

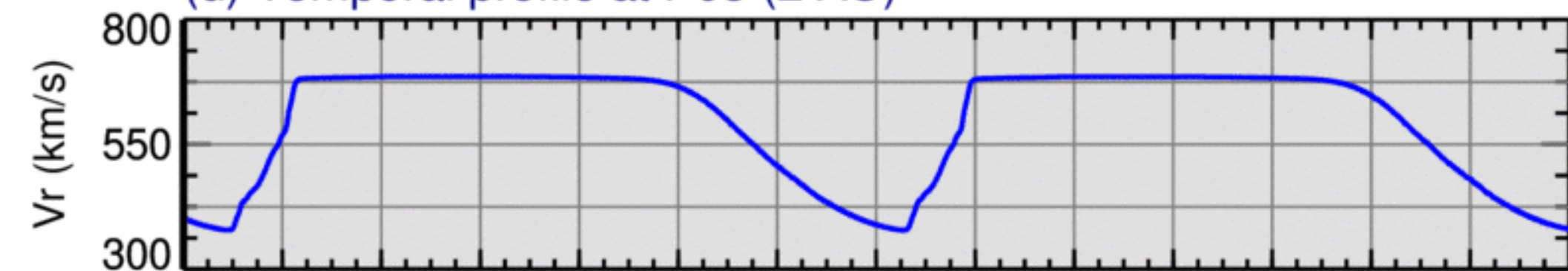
(b) Temporal profile at P01 (0.5 AU)



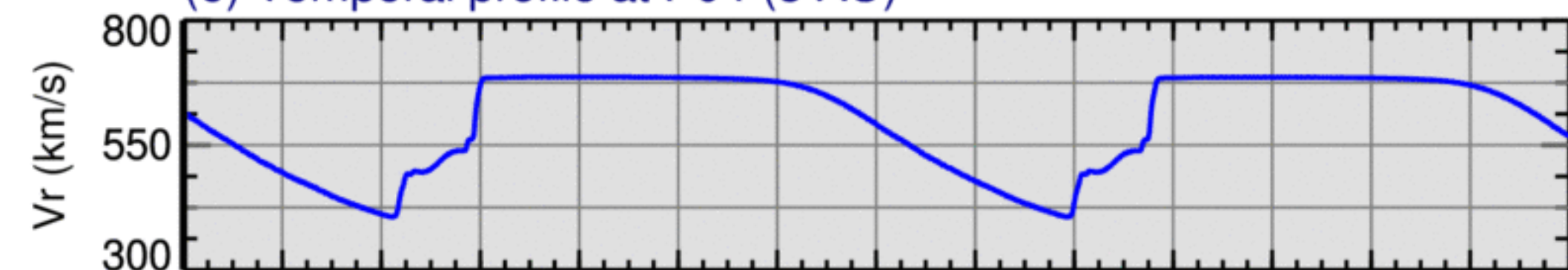
(c) Temporal profile at P02 (1 AU)



(d) Temporal profile at P03 (2 AU)



(e) Temporal profile at P04 (3 AU)



TIME (days)

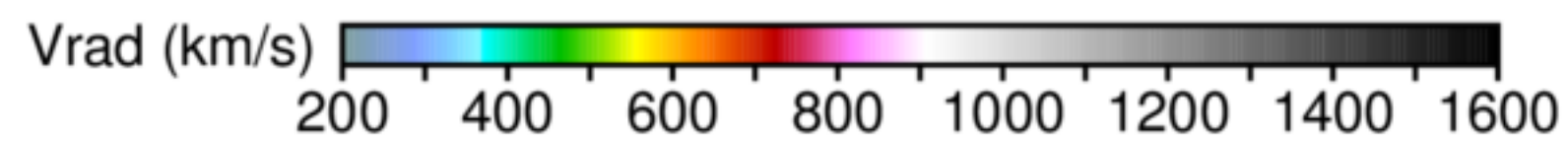
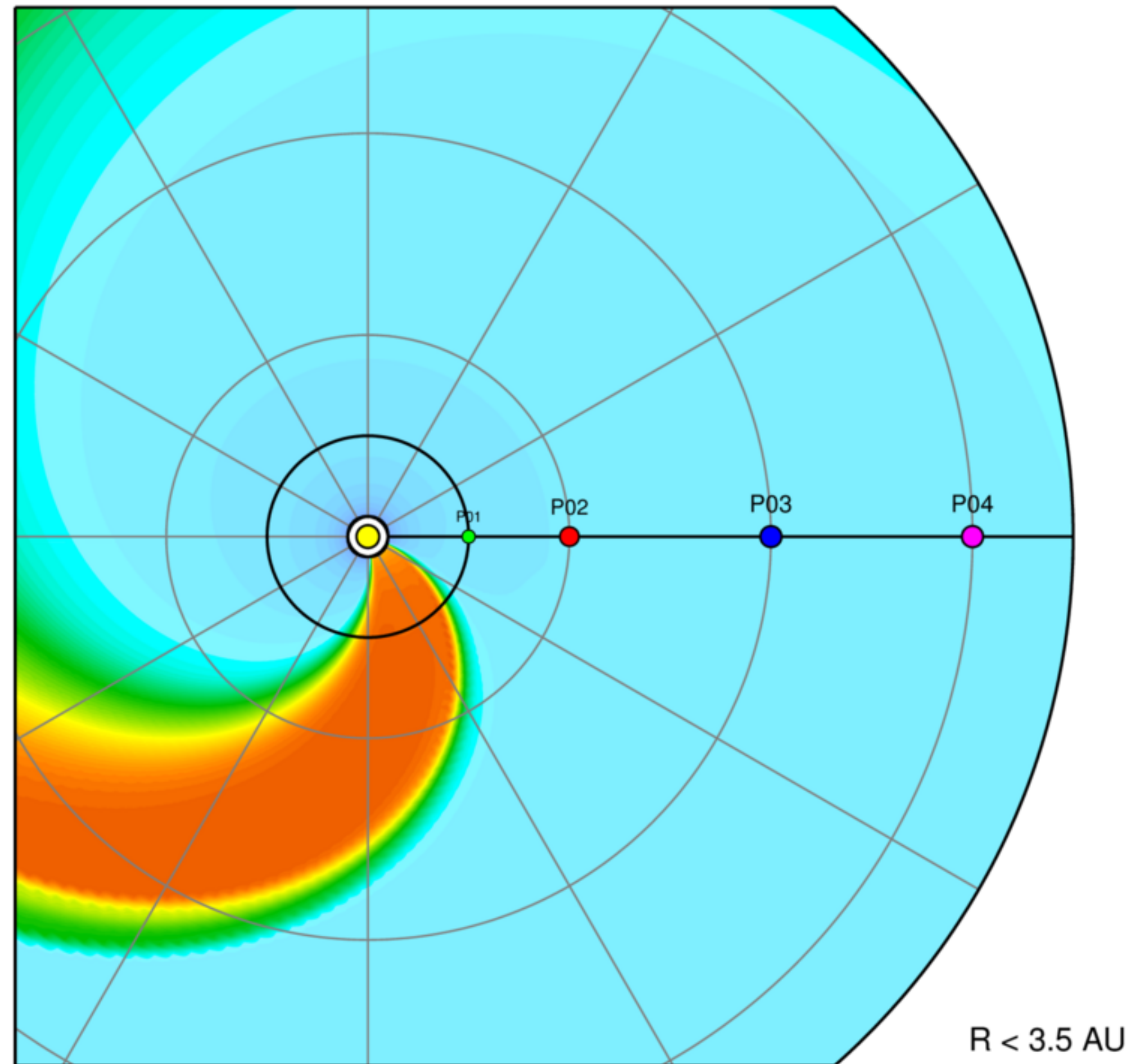
sim

HelioWeather

“Coronal Hole” — Formation of a Shock-Pair Structure

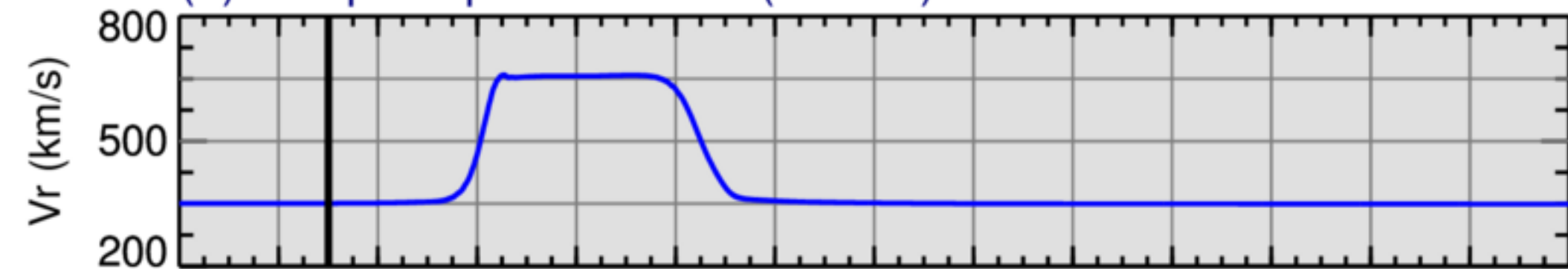
TIME = 72.00 h

(a) Equatorial plane

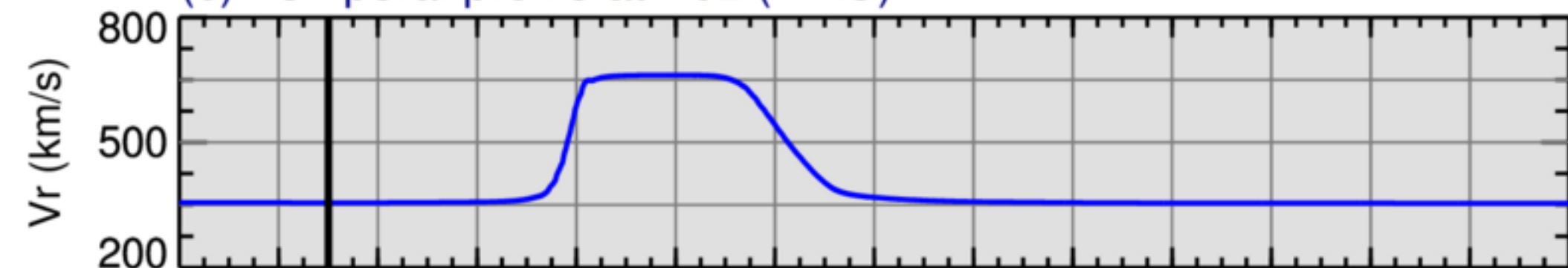


TIME = + 3.000 days

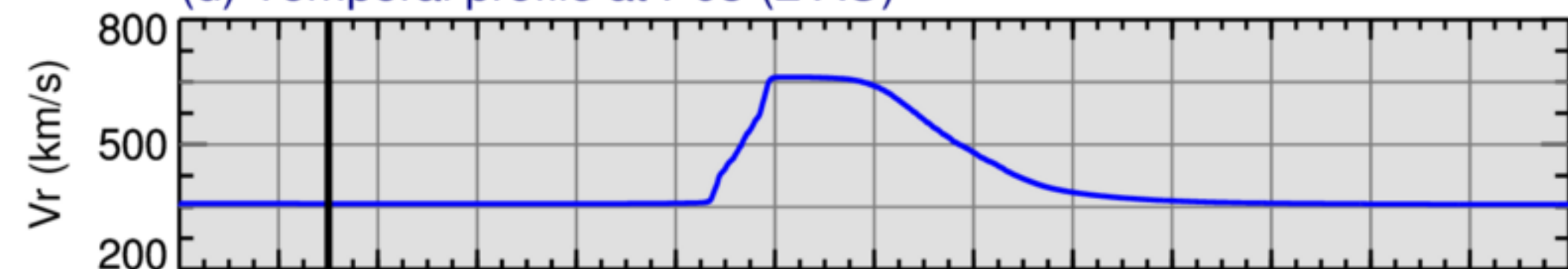
(b) Temporal profile at P01 (0.5 AU)



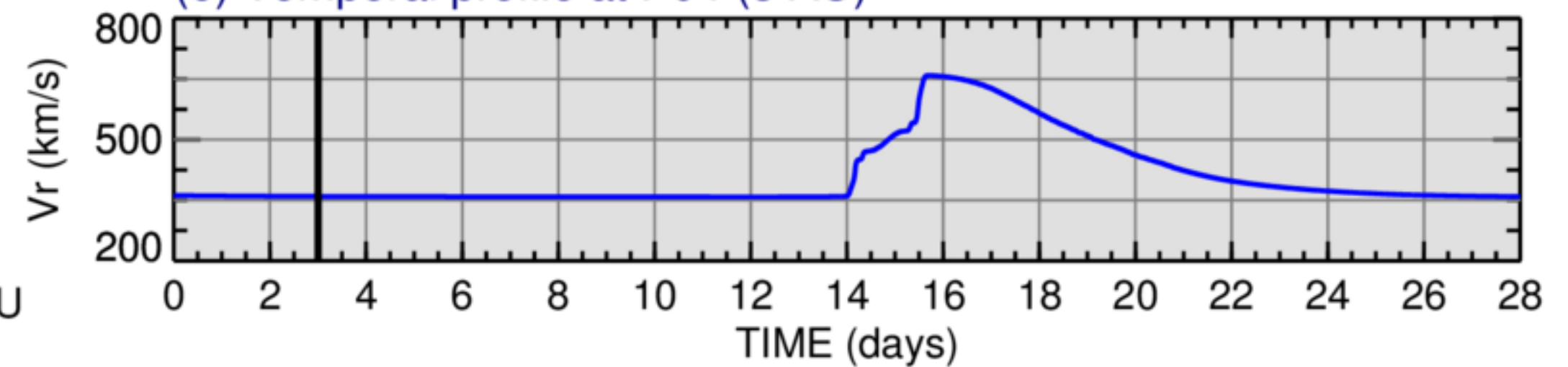
(c) Temporal profile at P02 (1 AU)



(d) Temporal profile at P03 (2 AU)

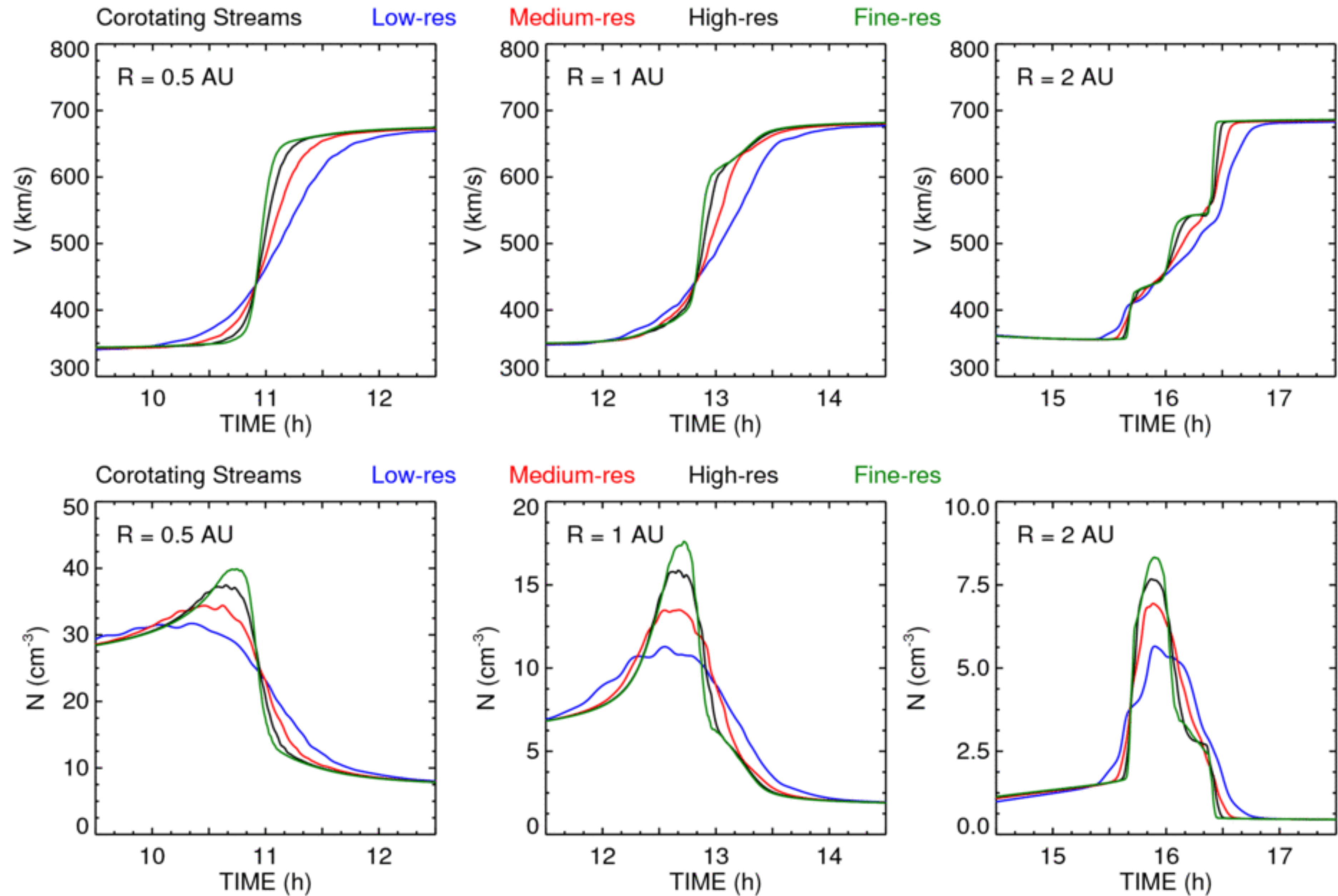


(e) Temporal profile at P04 (3 AU)



sim

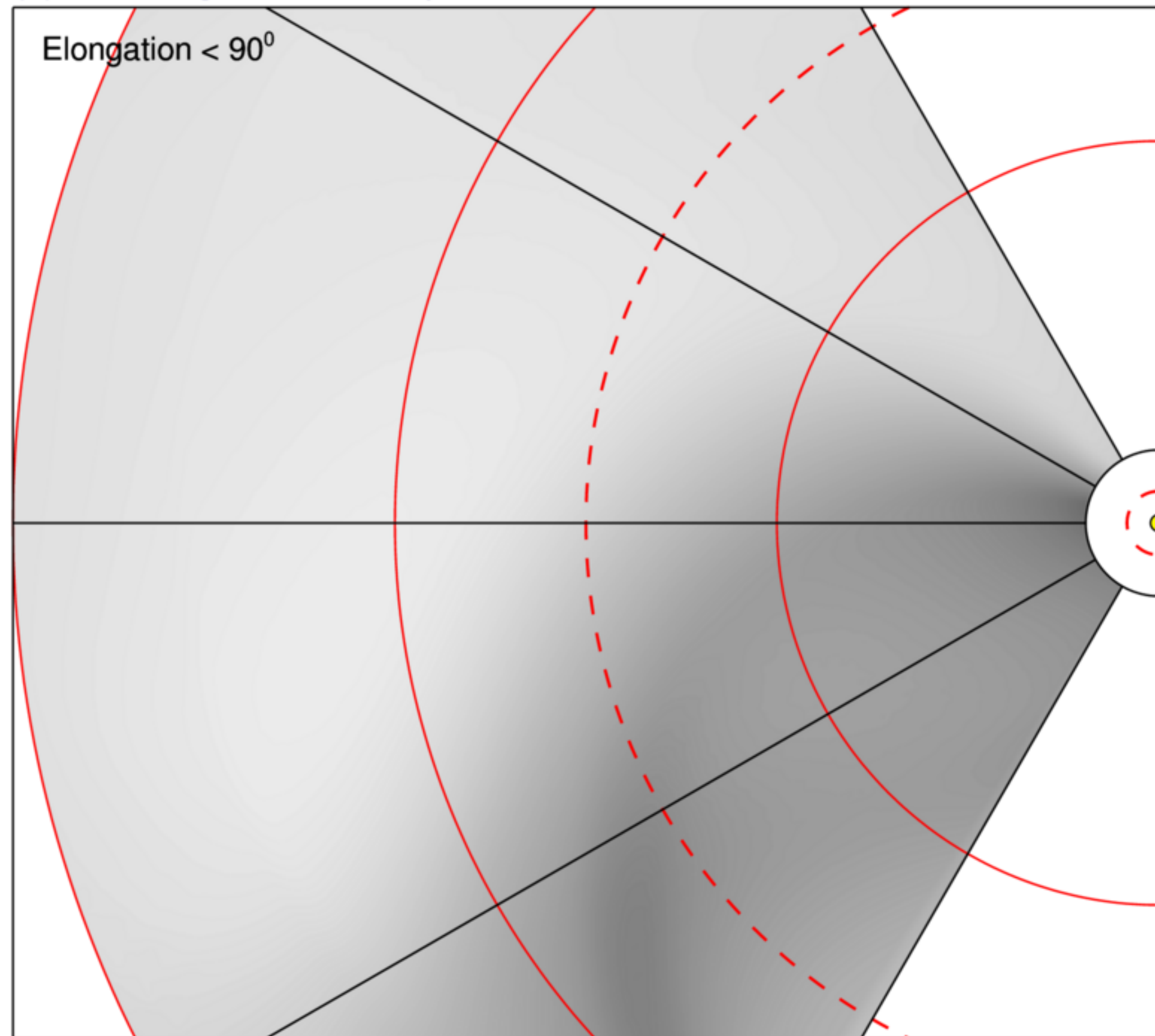
CIRs at 0.5, 1, and 2 AU — Different Numerical Grids



“Tilted Dipole” — Synthetic White-Light Image

TIME = 72.00 h

(a) Total brightness - Elonpos-scaled value

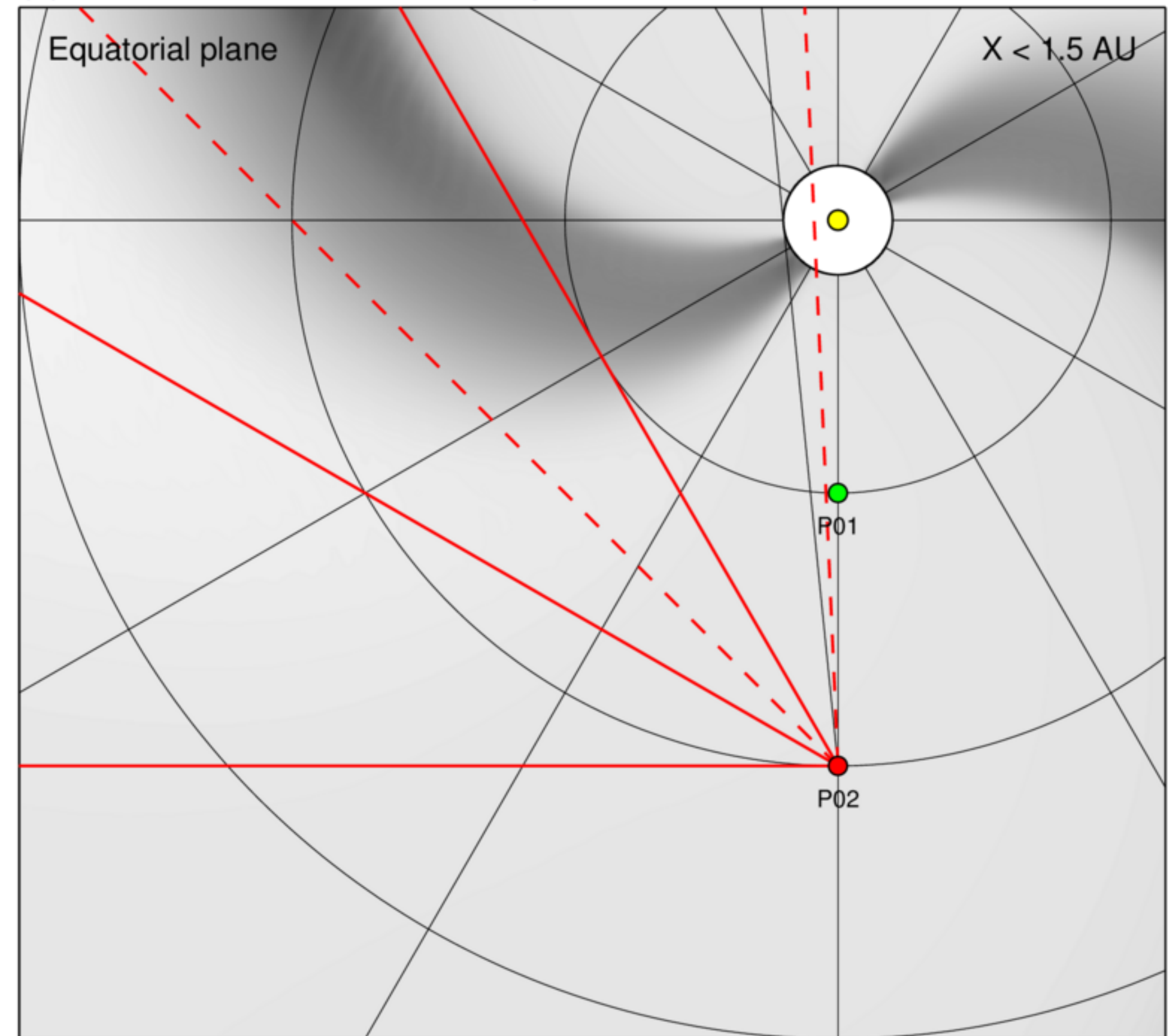


P02 / East

min max

TIME = + 3.000 days

(b) Normalized solar wind density



min max

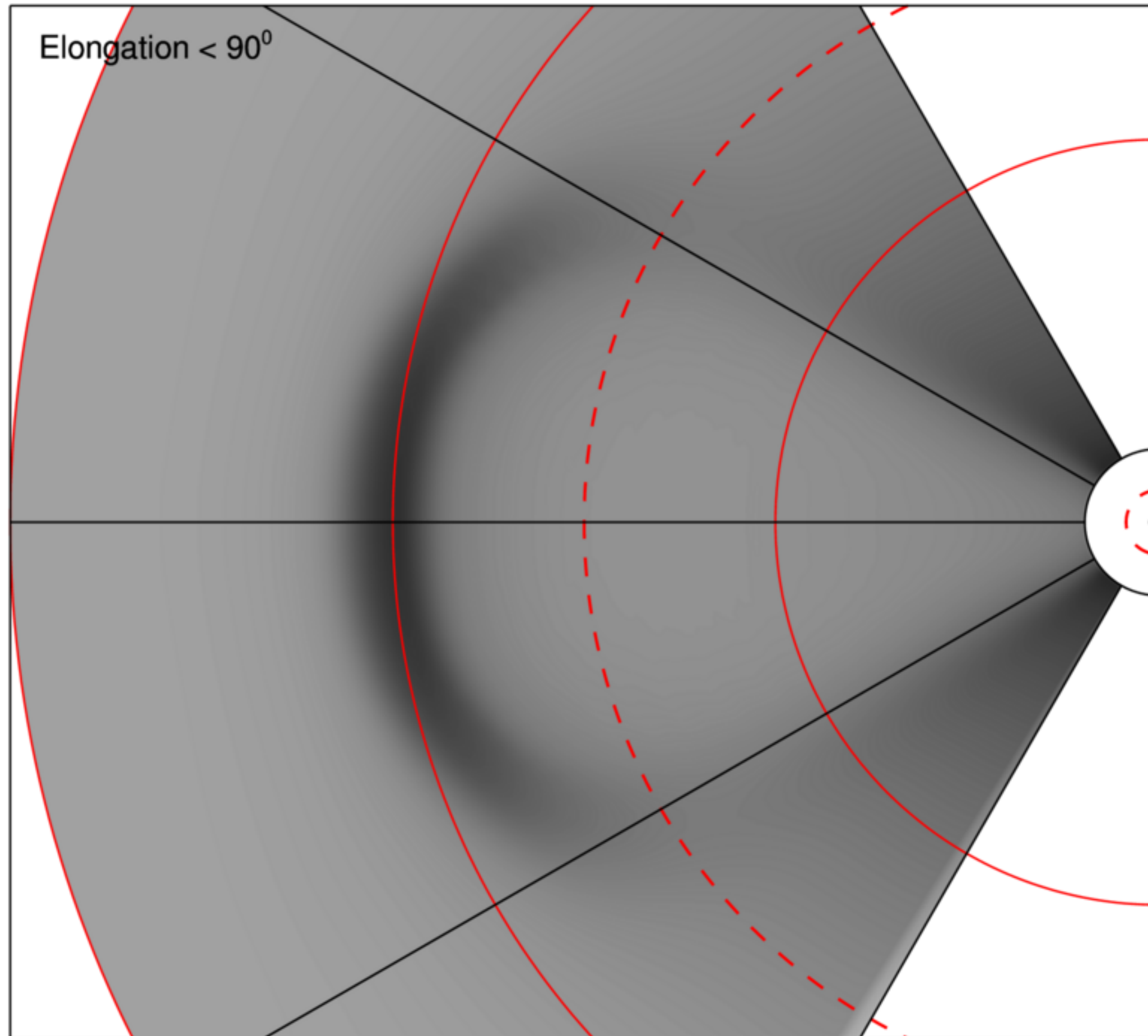
“Coronal Hole” — Synthetic White-Light Image

TIME = 72.00 h

(a) Total brightness - Elonpos-scaled value

P02 / East

min  max



TIME = + 3.000 days

(b) Normalized solar wind density

min  max

