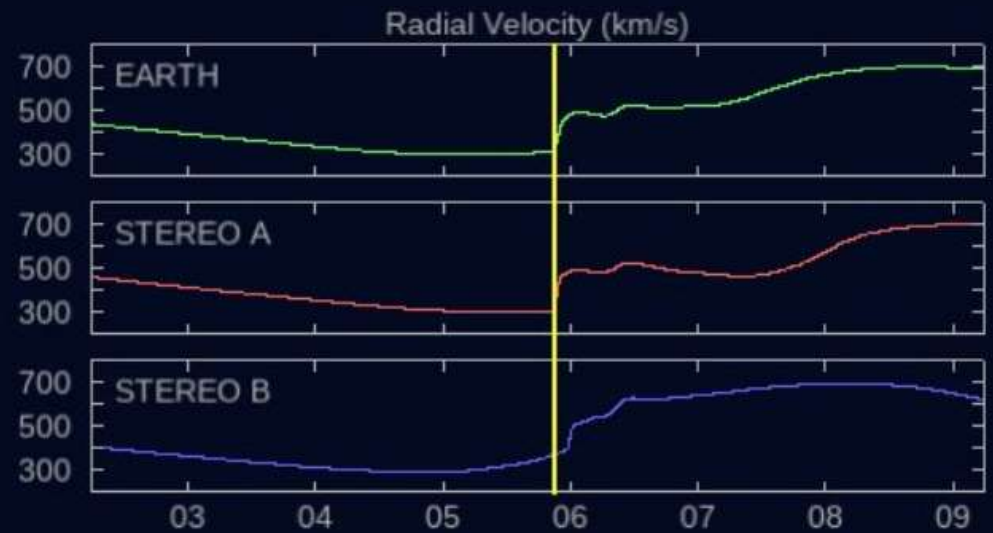
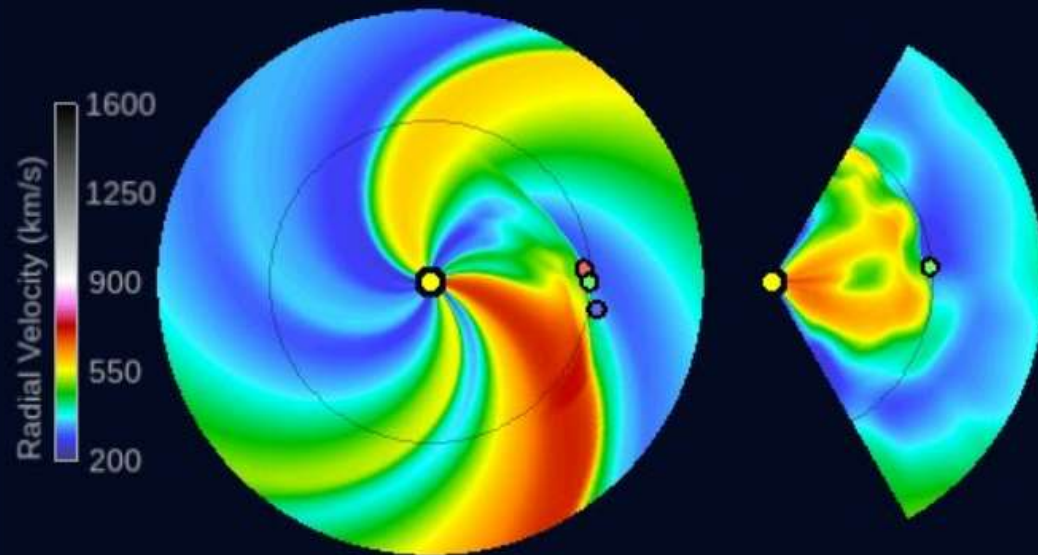
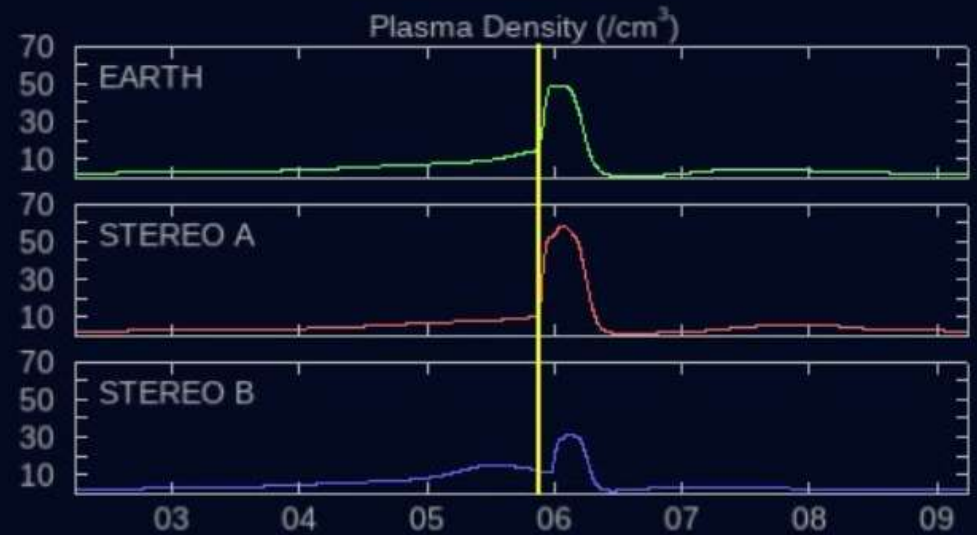
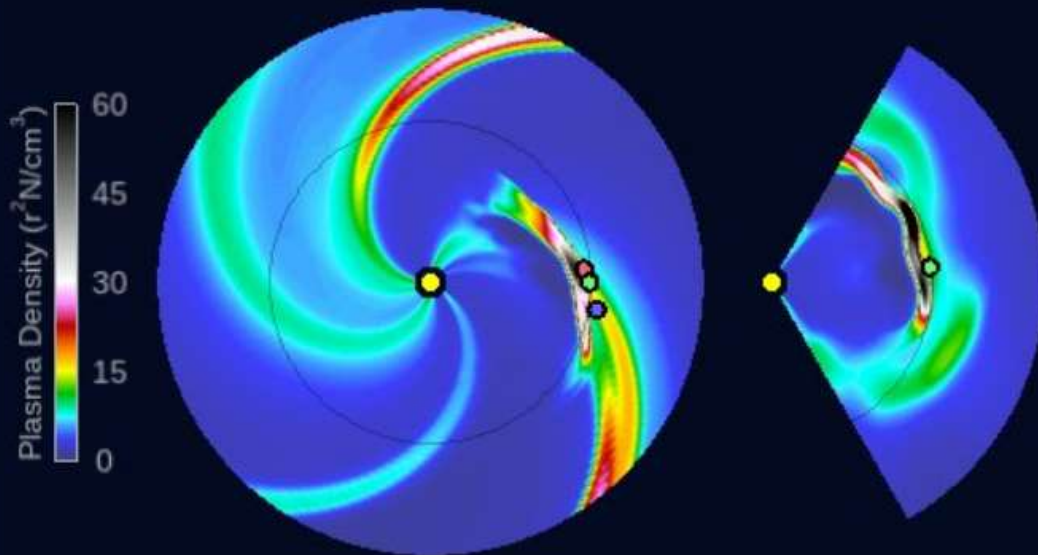


2023-11-05 21:00:00



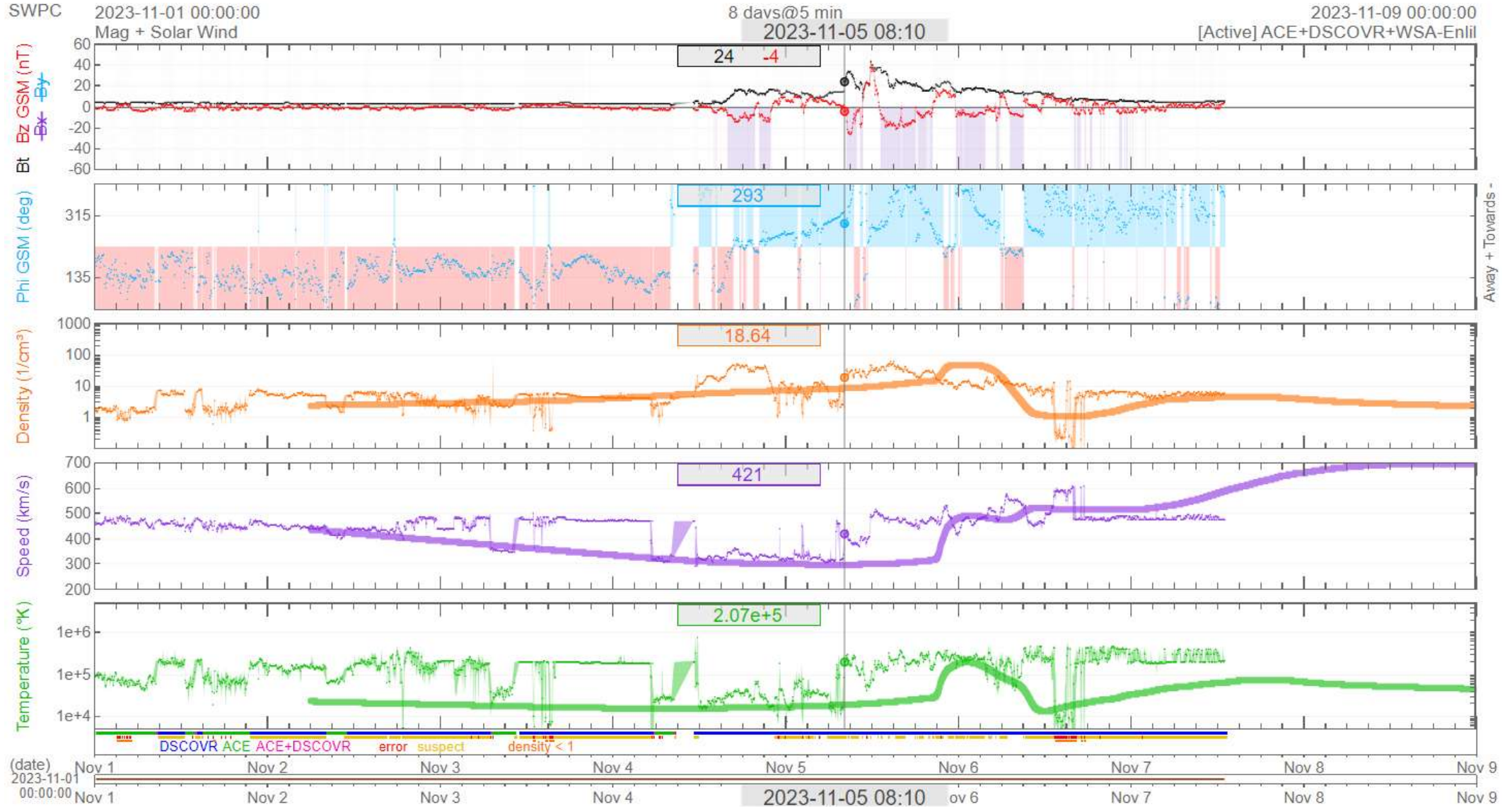
Space Weather Prediction Center

Run Time: 2023-11-04 06:00 UT Mode: CME

Image Created: 2023-11-04 07:08 UT



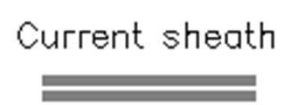
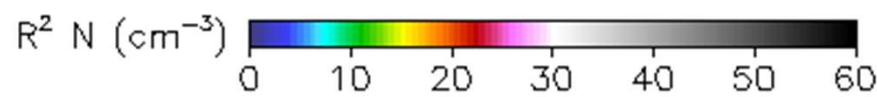
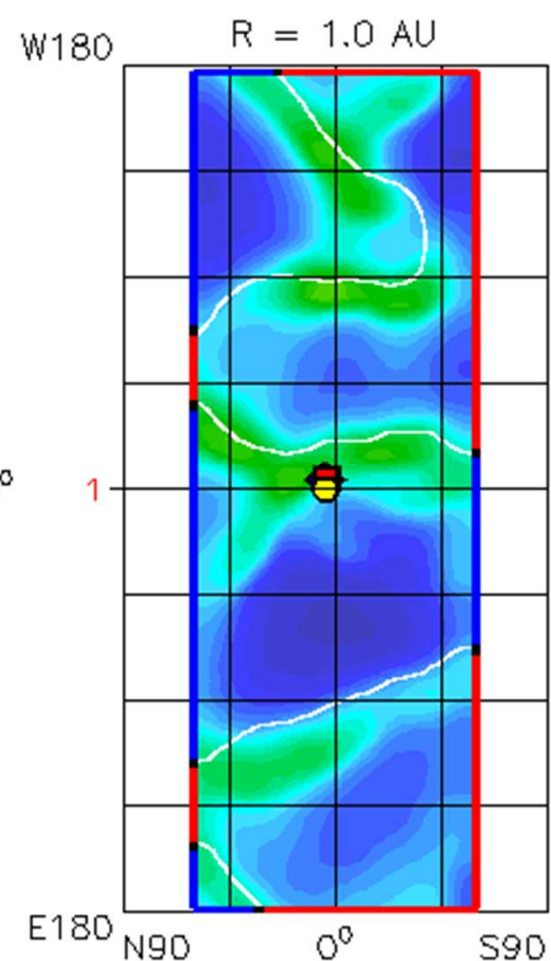
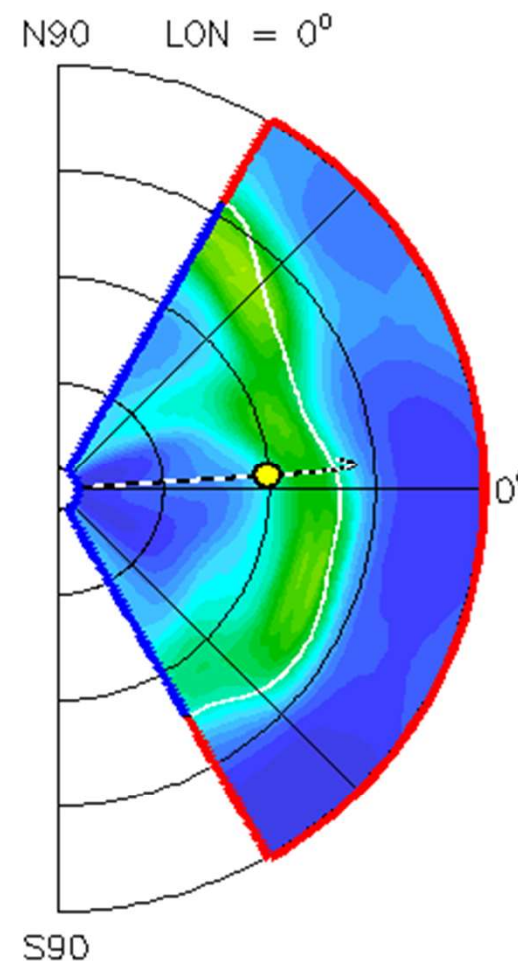
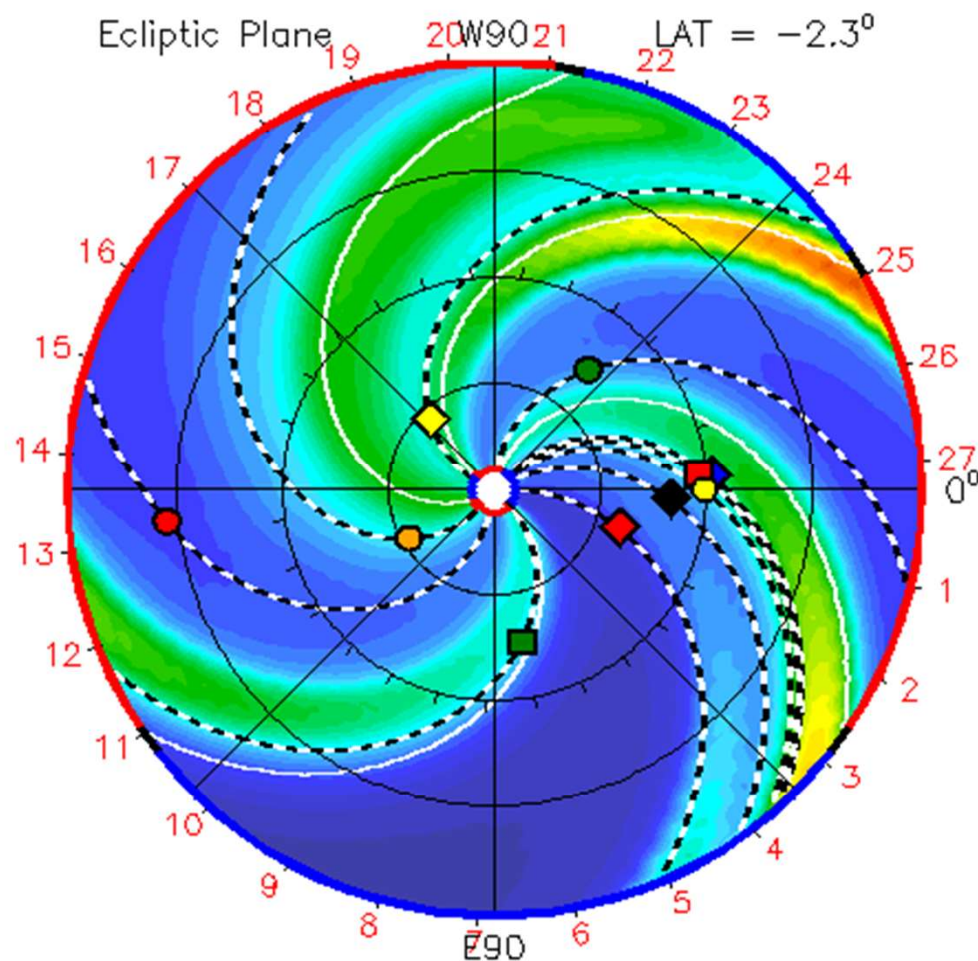
# REAL TIME SOLAR WIND



2023-11-05T00:00

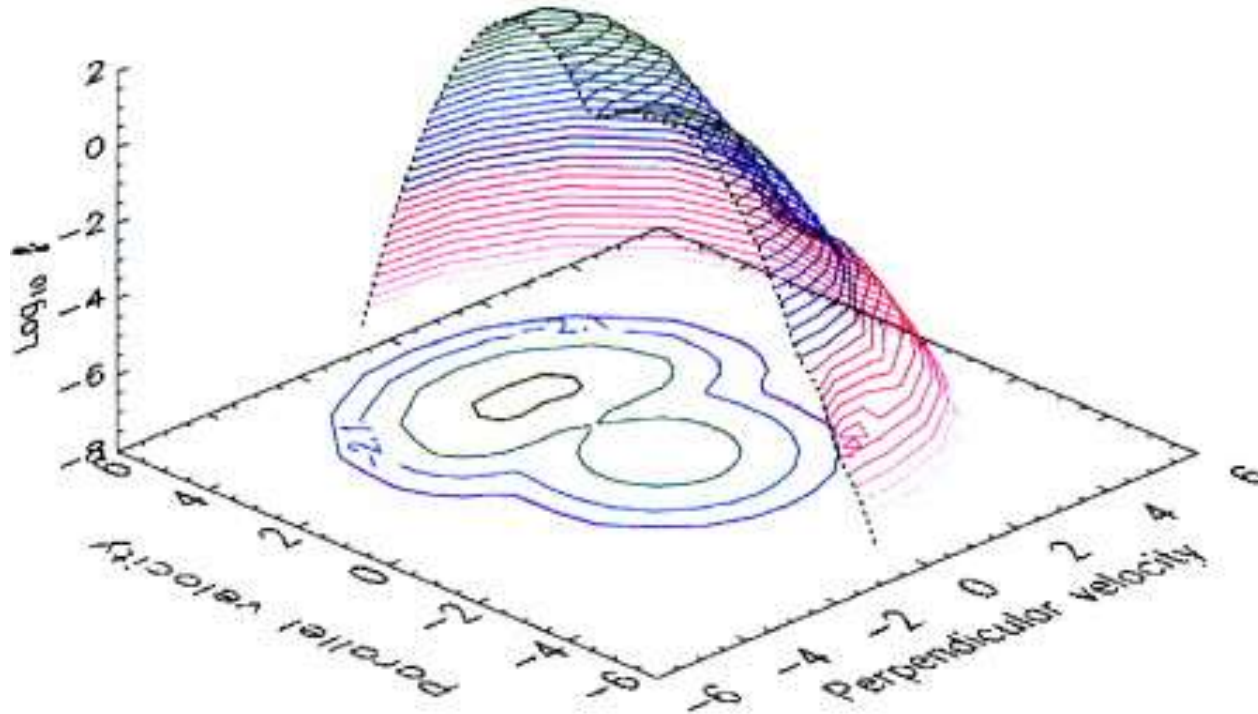
2023-11-05T00 +0.00 day

- Earth
- Mars
- Mercury
- Venus
- ◆ Bepi
- ◆ OSIRIS-APEX
- ParkerSP
- ◆ Psyche
- ◆ SoLo
- Stereo\_A

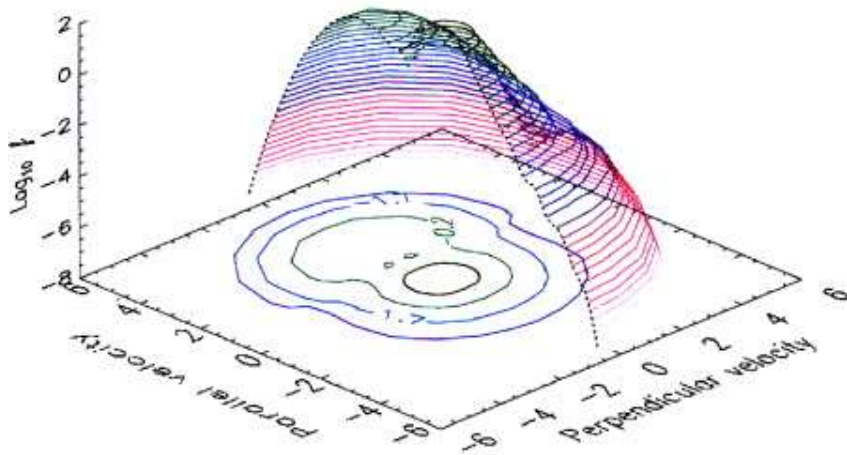


ENUL-2.7 lowres-2277-a4b1 WSA\_V2.2 GONGZ-2277 UNIQUE1106182626/256x30x90x1.2277-a4b1.16-mcplumr1cd-1q53q5d2.gongz-2023-11-05T00 2023-11-06

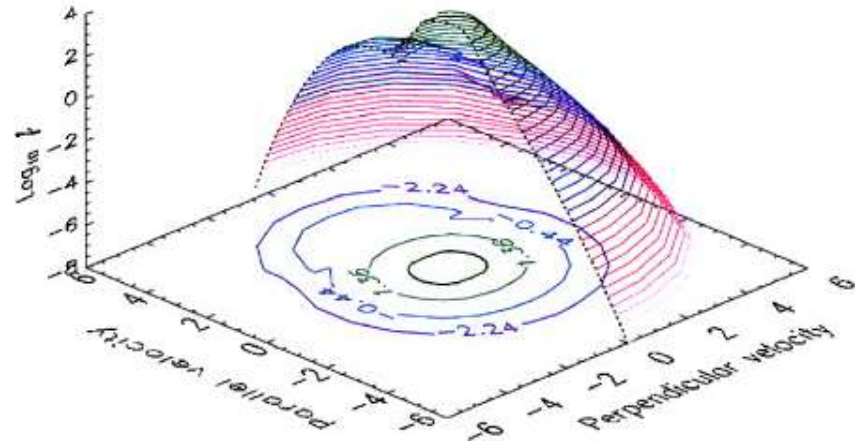
Velocity distribution function at 2000 km



Velocity distribution function at 1250 km

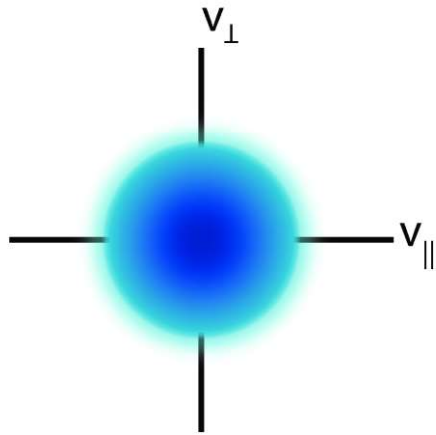


Velocity distribution function at 1000 km



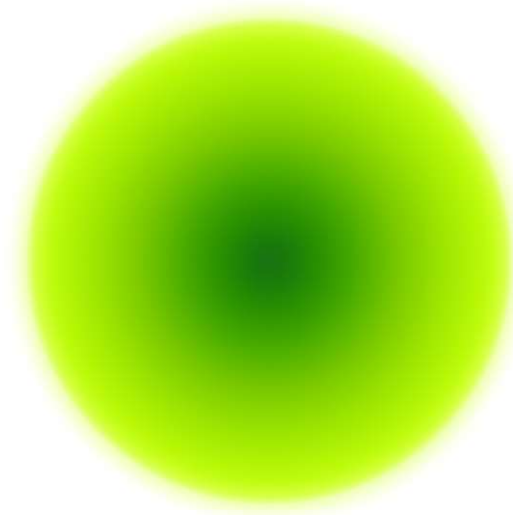
# Core

Maxwellian



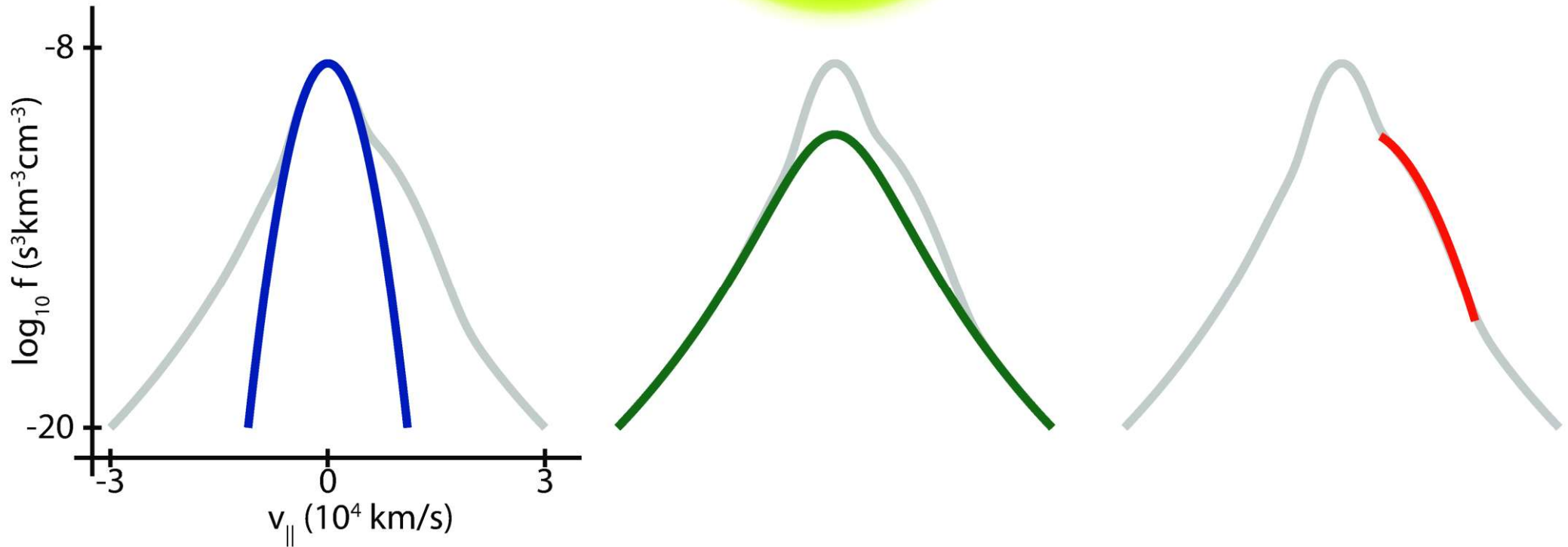
# Halo

Kappa

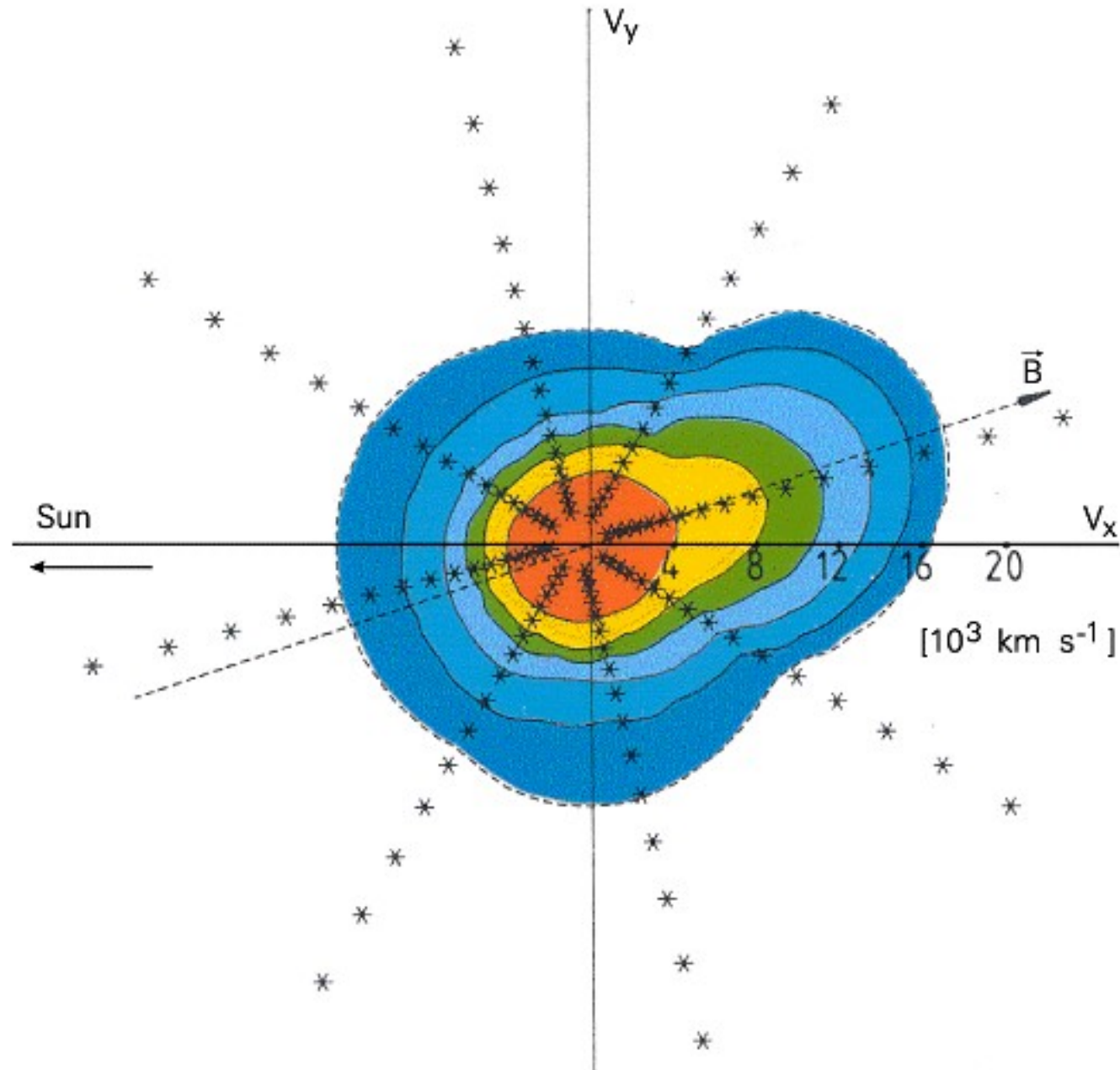


# Strahl

Field Aligned Beam



# Electron velocity distribution function in the solar wind measured by Helios spacecraft at 1 AU.





Electron velocity distribution functions for fast (left), intermediate (middle) and slow (right) solar wind.

