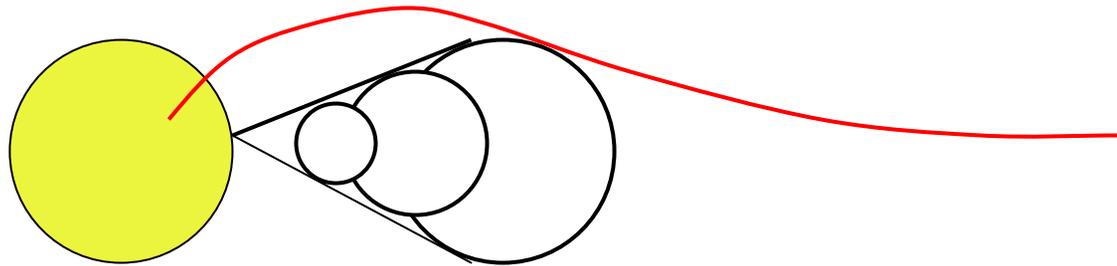


Jan 20, 2005 CME

Quasi-Parallel or Quasi-Perp?

J. Raymond, Y.-K. Ko, P. Riley, J. Linker, A. van Ballegooijen

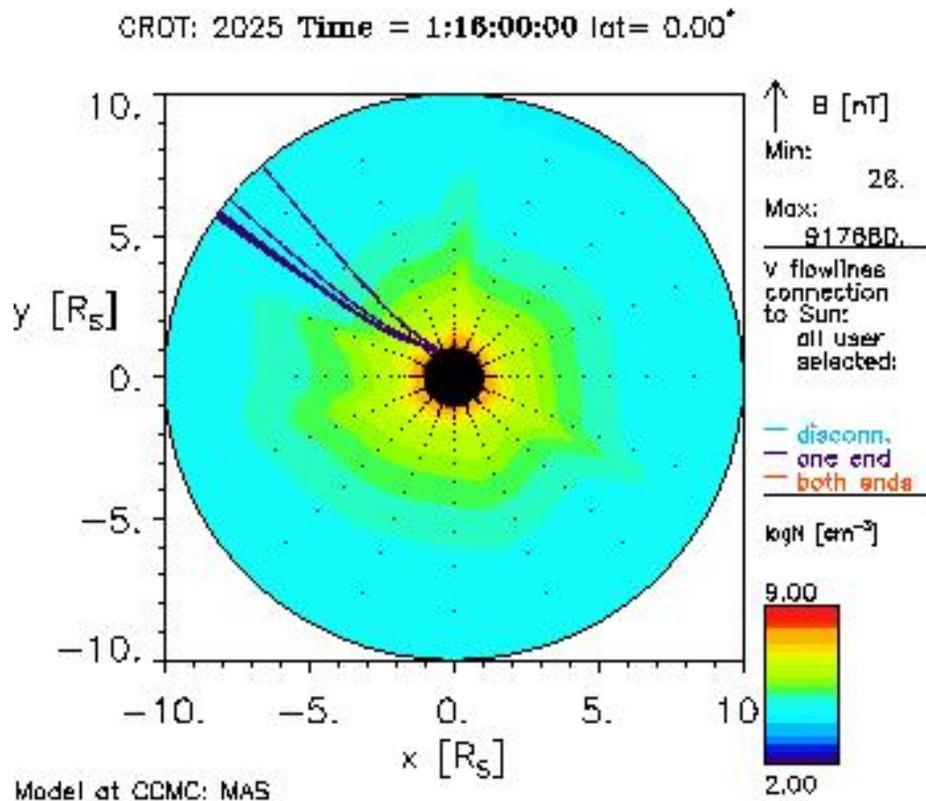


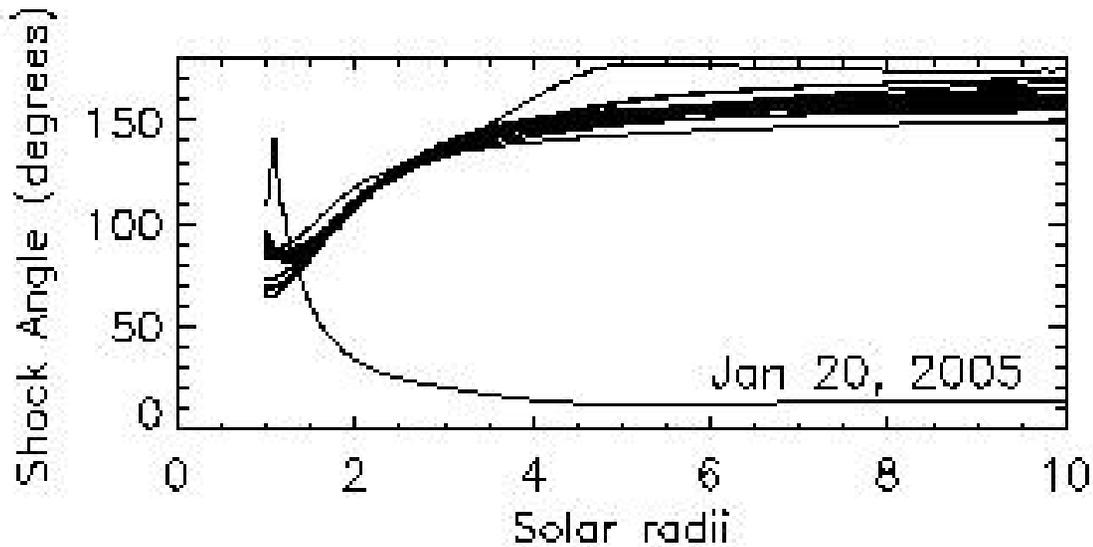
For simple expansion model and MHD model of coronal field, compute the angle between shock normal and field.

Jan 20, 2005 Flare at Carrington 179, +14

Field line connected to ACE at Carrington 147, -5 at 30 R_{sun}

CCMC MAS model and traceback to solar surface with more advanced SAIC model





Quasi-perp near 2

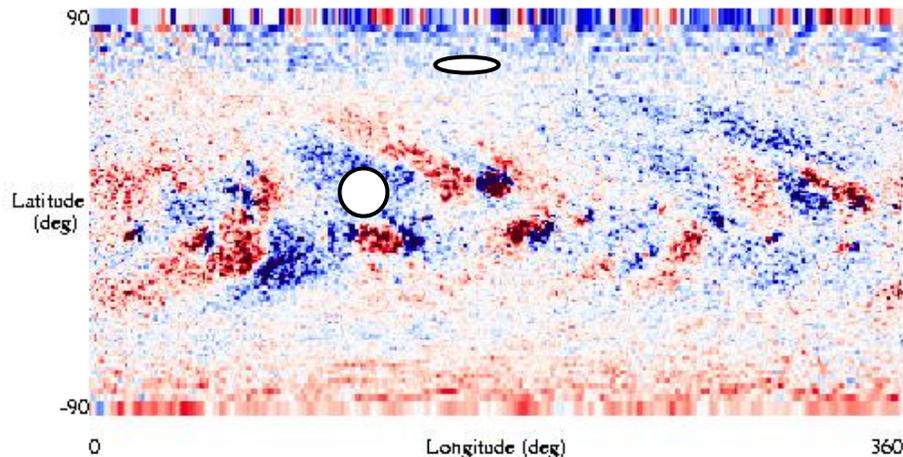
Quasi-par above 4

Some oddball field lines within 5°

YuanKuen_Ko_041907_SH_1

Carrington Rotation: 2025

Raw Kitt Peak Magnetogram



2 regions where lines originate

Both have negative field, while ACE has positive!