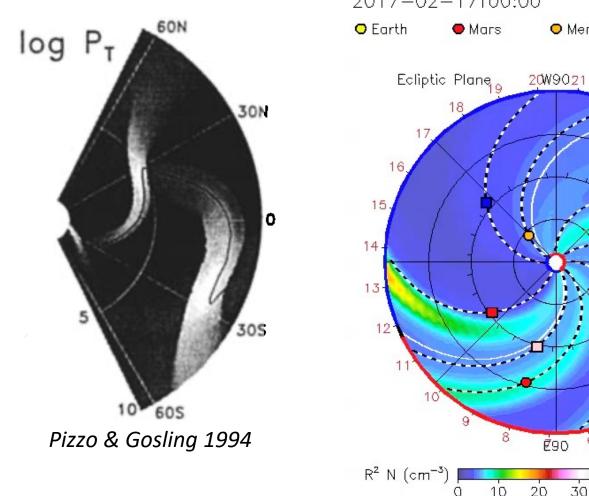
Polarimeter to Unify the Corona and Heliosphere

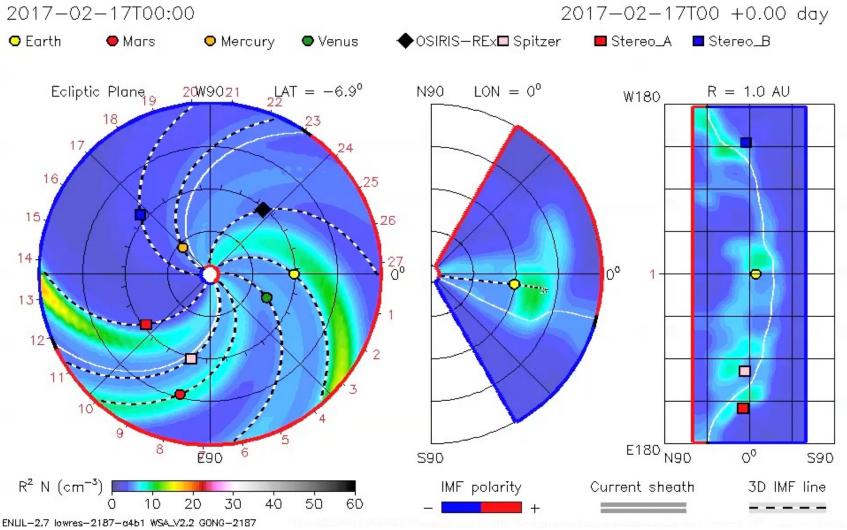


CIRs – a few thoughts on the unknown, for PUNCH-2

DeForest

CIRs: a few thoughts on the unknown



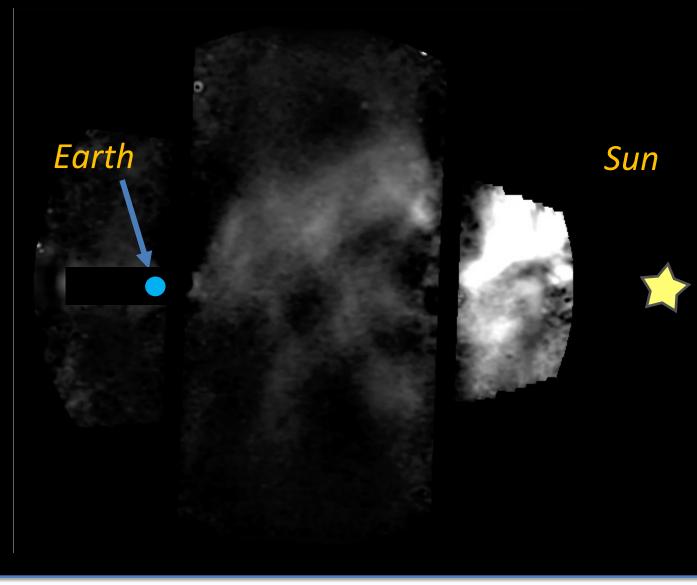


Odstrcil & Pizzo 2009

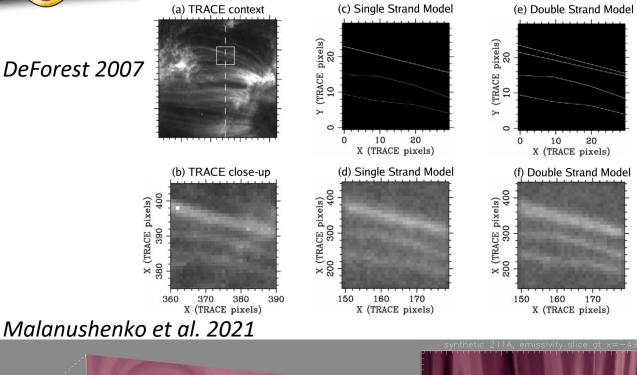
CIRs: A STEREO movie

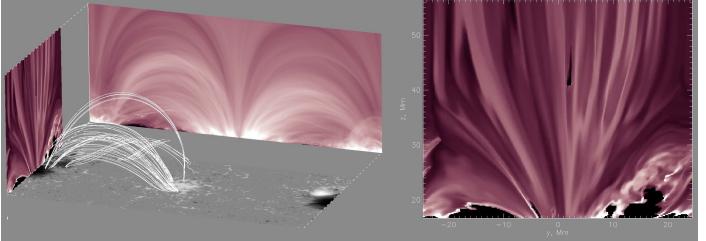
- Why is the front round like that?
- Why are there multiple arcs?
 - waves
 - shocks
 - crinkles
 - solar wind variability
 - ???
- Is this CIR a shock?
 - Where does the shock form?
 - How does it evolve?
 - how broad is it, and is it uniform?
- What are those very fine looplike structures?
- Is there "interior structure" slamming into the CIR?





The importance of forward modeling





- Even simple forward models yield insight into the unknown
- Modeling instrument response helps understand not only what the instrument *does* tell you, but also what it *doesn't*.
- Nature is surprising and I'm sure we'll be surprised by CIRs.
- Producing simple "mock-up" level models now will help disentangle results later.