

- Track and probe CME-driven shocks from the corona to 1 AU model free
- Map in-situ structure of CME-driven shocks and flare electron beams
- Probe density and IMF structure of the heliosphere before and after CMEs
- Understand the radio emission process and beam pattern of radio bursts
- Measure electron density and temperature of filament material in clouds
- Receivers in frequency domain and time domain
- SWAVES is two instruments in one remote sensing and in-situ



Radio stereoscopy

- radio intensity
- polarization
- time-of-flight
- dynamic spectrum
- source direction
- source diameter

directivity

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- directivity of modes, propagation
- localization, anomolous propagation
- overview
- localization
- source structure, scattering







Cassini

But STEREO is 3-axis stabilized!





