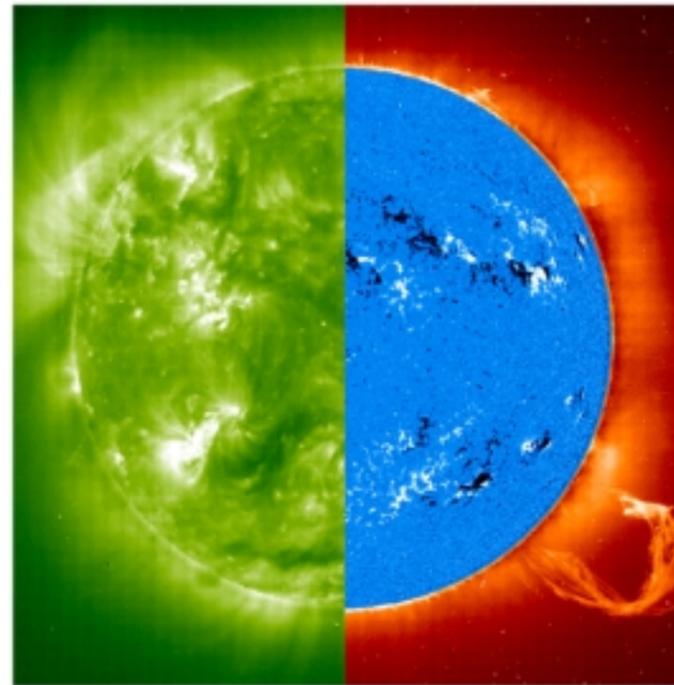
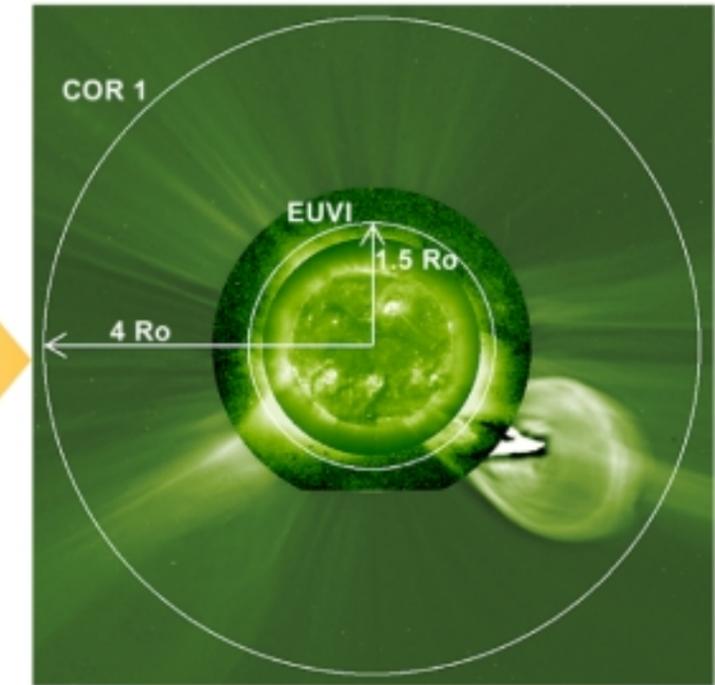


SECCHI Exploration of CMEs and the Heliosphere on STEREO

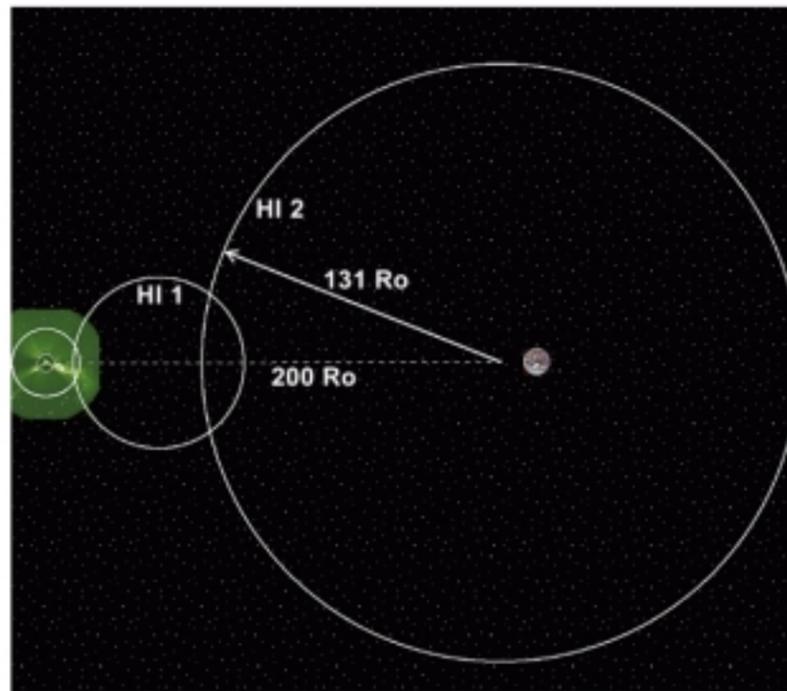
- *What Configurations of the Corona Lead to a CME?*
- *What Initiates a CME?*
- *What Accelerates CMEs?*
- *How Does a CME Interact With the Heliosphere?*
- *How do CMEs Cause Space Weather Disturbances?*



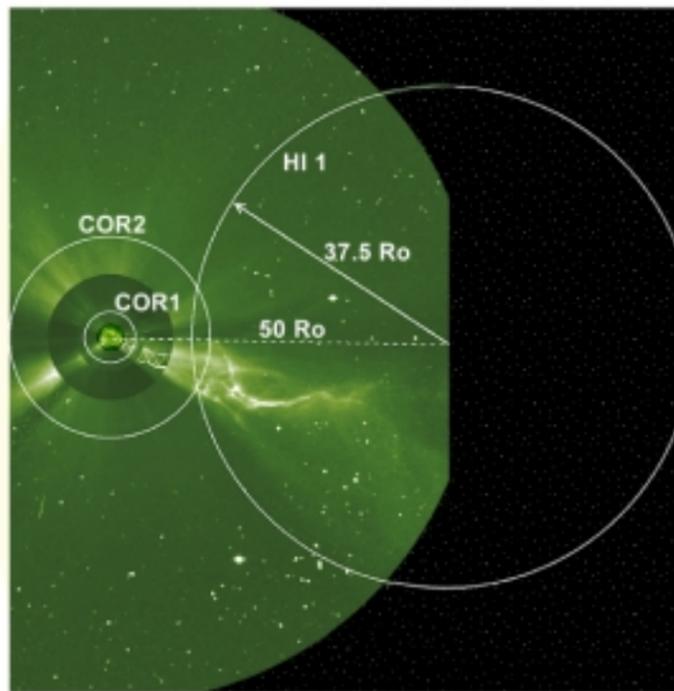
- Explore the Magnetic Origins of CMEs
 - Photospheric Shearing Motions
 - Magnetic Flux Emergence
 - Magnetic Flux Evolution and Decay



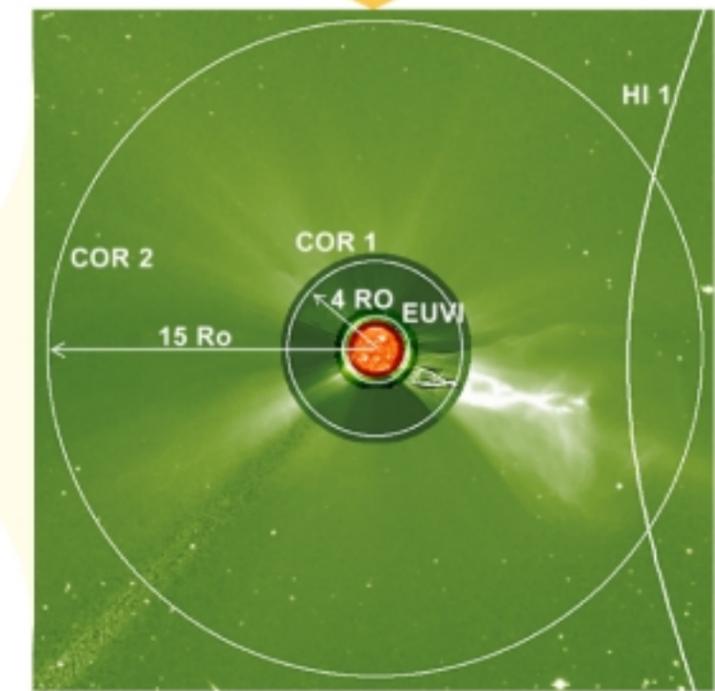
- Understand the Initiation of CMEs
 - Reconnection
 - The Role of Plasma vs. Magnetic Field Effects
 - Rapid vs. Slow Drivers



- The Sun-Earth Connection: Understand the Role of CMEs in Space Weather
 - Observe Trajectory of Earth-Directed CMEs
 - Predict Arrival Time and Geo-Effectiveness of CMEs



- Investigate the Interaction of CMEs With the Heliosphere
 - CME Physical Signatures at 1 AU
 - Generation of Shocks
 - Acceleration of Charged Particles
 - Interaction With Heliospheric Plasma Sheet & Co-Rotating Interaction Regions
 - Interaction With Other CMEs



- Study the Physical Evolution of CMEs
 - Reconnection
 - Continued Energy Input and Mass Ejection
 - Effect on Helmet Streamers