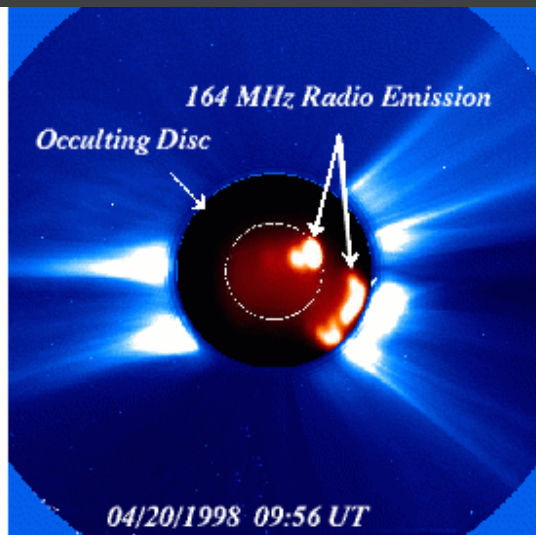
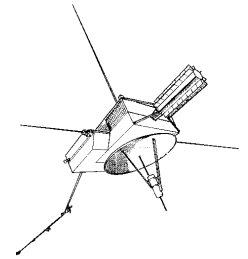


SS Energetic Particle Propagation



Energetic particles propagate along magnetic field lines in interplanetary space; these particles can be a hazard to both humans and spacecraft. Particle propagation may be understood with multiple in situ measurements. A solar event behind the west limb was traced from the low corona (radio emissions by the Nancay Radioheliograph) into the high corona (optical emissions by SOHO/LASCO). Accelerated electrons from this event were observed by ACE/EPAM near Earth and Ulysses/HI-SCALE at 5 AU. These electrons travel ~ 3.5 AU/hr, and should reach Ulysses in a few hours. ACE, magnetically connected to the source, showed an immediate onset. Ulysses did not observe them for more than a day, where the event continued for about a third of a solar rotation as the source region at the Sun rotated through Ulysses' field line.

