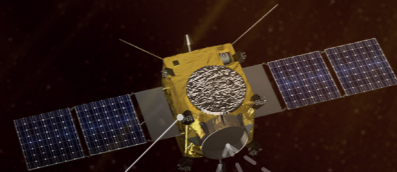


COSMIC RAYS

ASTRONAUT RADIATION



SOLAR ENERGETIC PROTONS

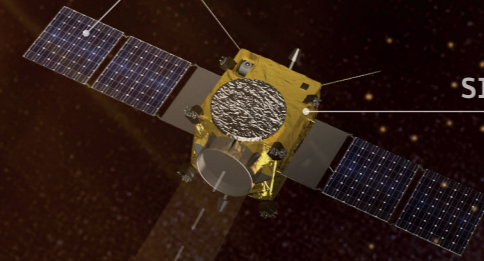


RADIATION DAMAGE

SOLAR FLARE RADIATION

CORONAL MASS EJECTIONS

SOLAR CELL DEGRADATION



SINGLE EVENT UPSET

ENERGETIC RADIATION  
BELT PARTICLES

ENHANCED IONOSPHERIC  
CURRENTS AND DISTURBANCES

NAVIGATION ERRORS

CREW AND PASSENGERS  
RADIATION



HF RADIO WAVE DISTURBANCE

AURORA AND OTHER  
ATMOSPHERIC EFFECTS

SIGNAL SCINTILLATION

DISTURBED RECEPTION

GEOMAGNETICALLY  
INDUCED CURRENTS  
IN POWER SYSTEMS

DECREASED DIRECTIONAL  
DRILLING ACCURACY



INDUCED GEOELECTRIC  
FIELD AND CURRENT

