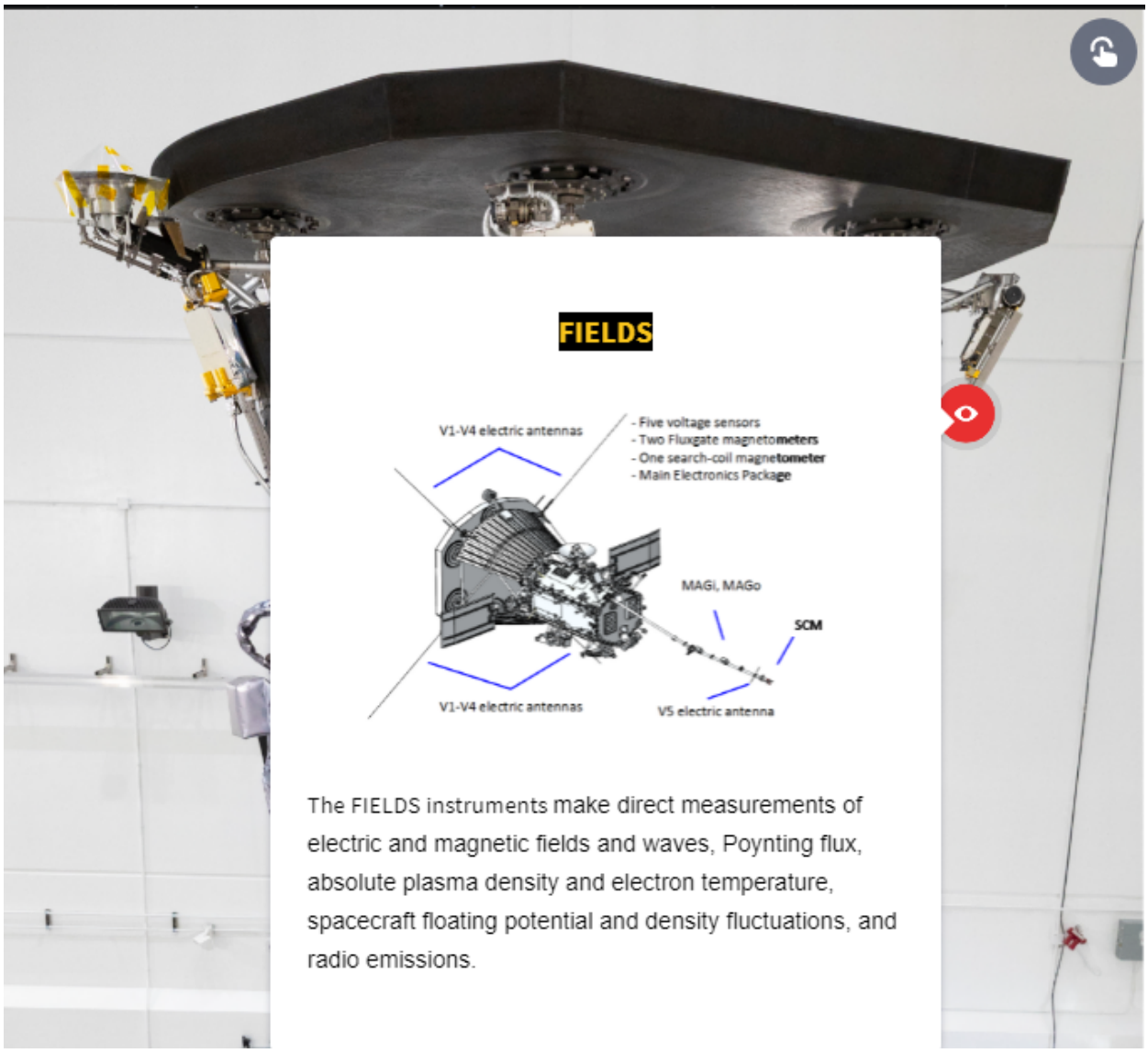
NASA SPACE APPS CHALLENGE 2021

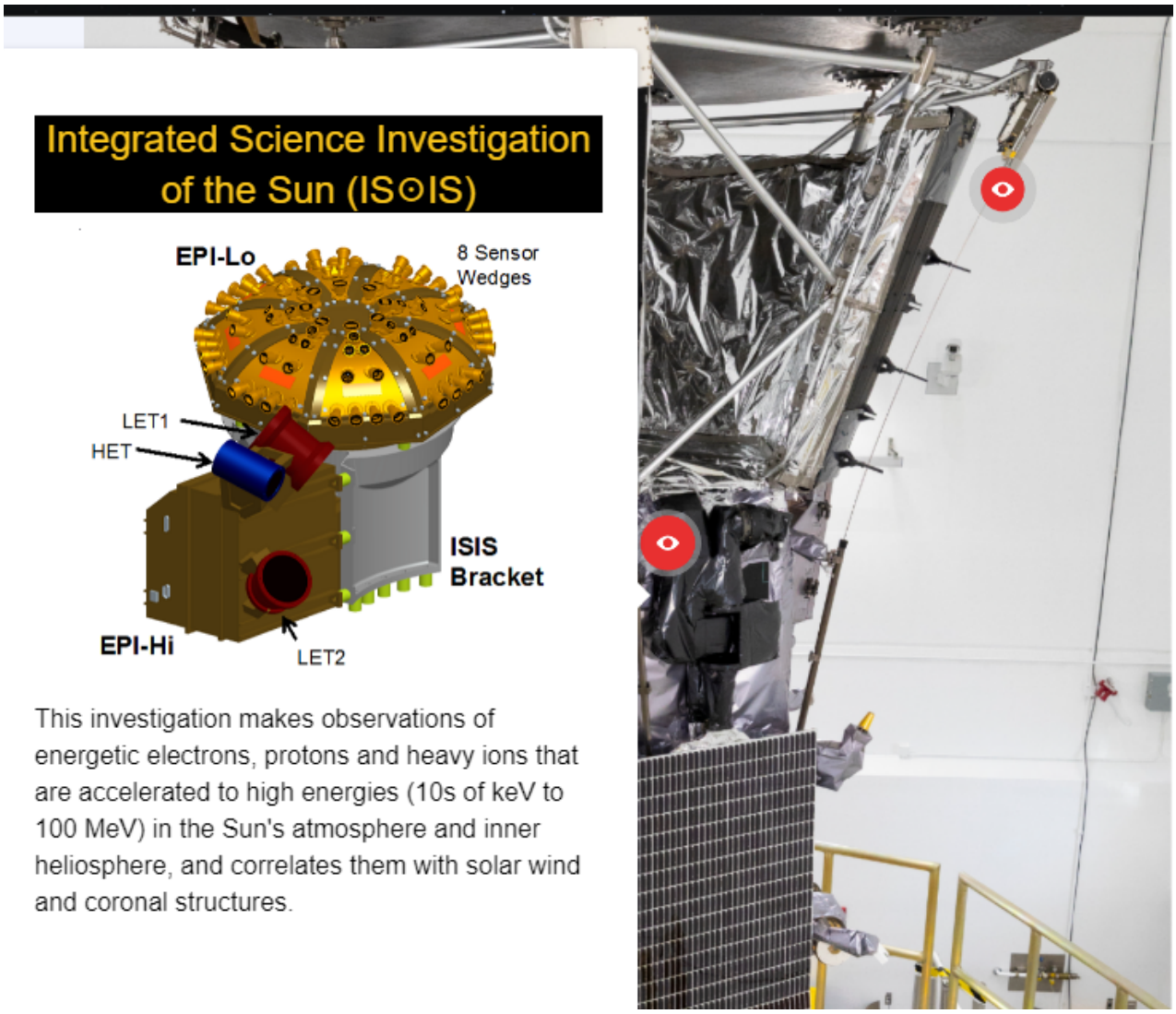
PARKER SOLAR PROBE

INTERACTIVE DETAILS / HACKATOMICS TEAM

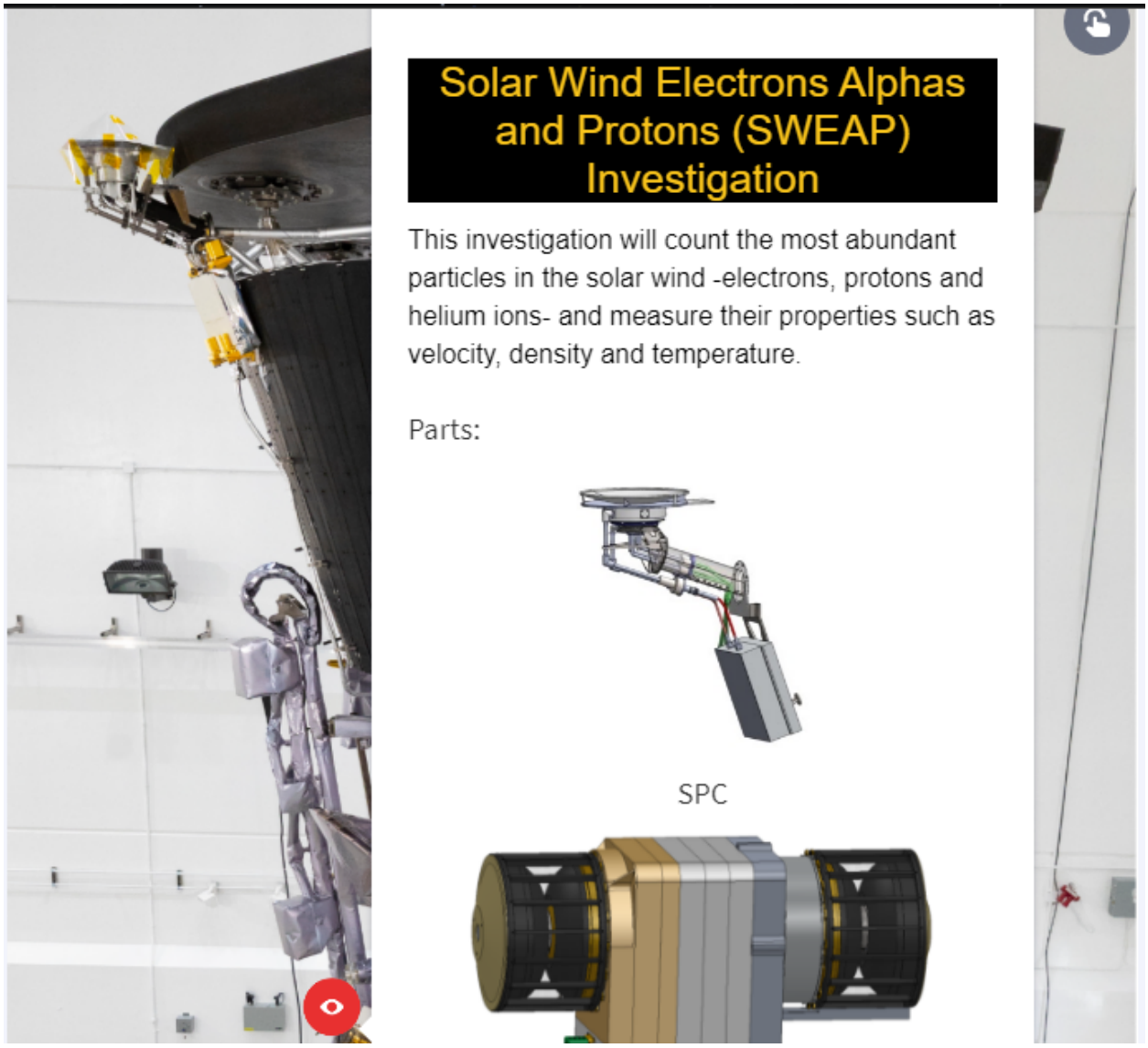
FIELDS INSTRUMENTS

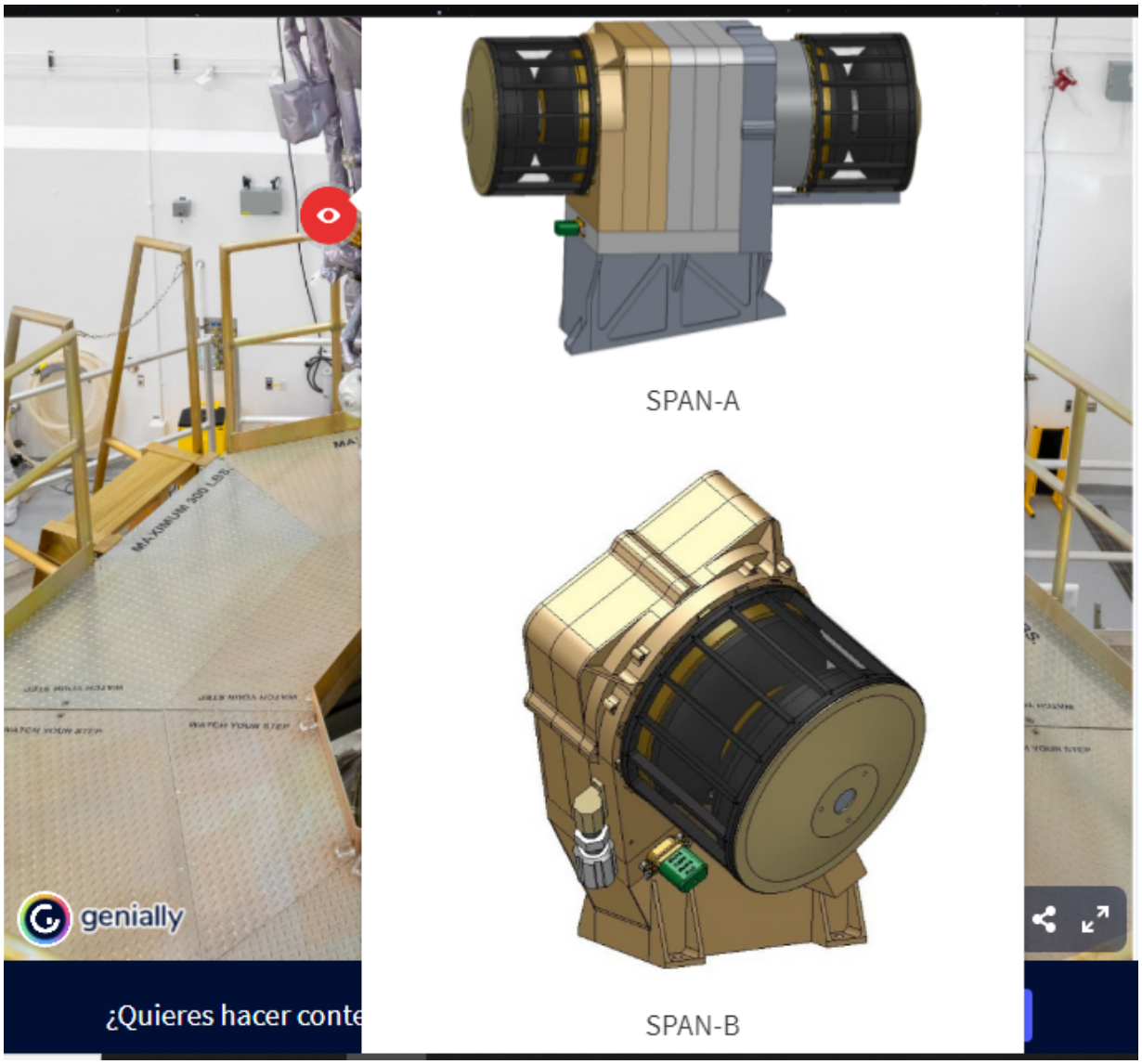


ISOIS

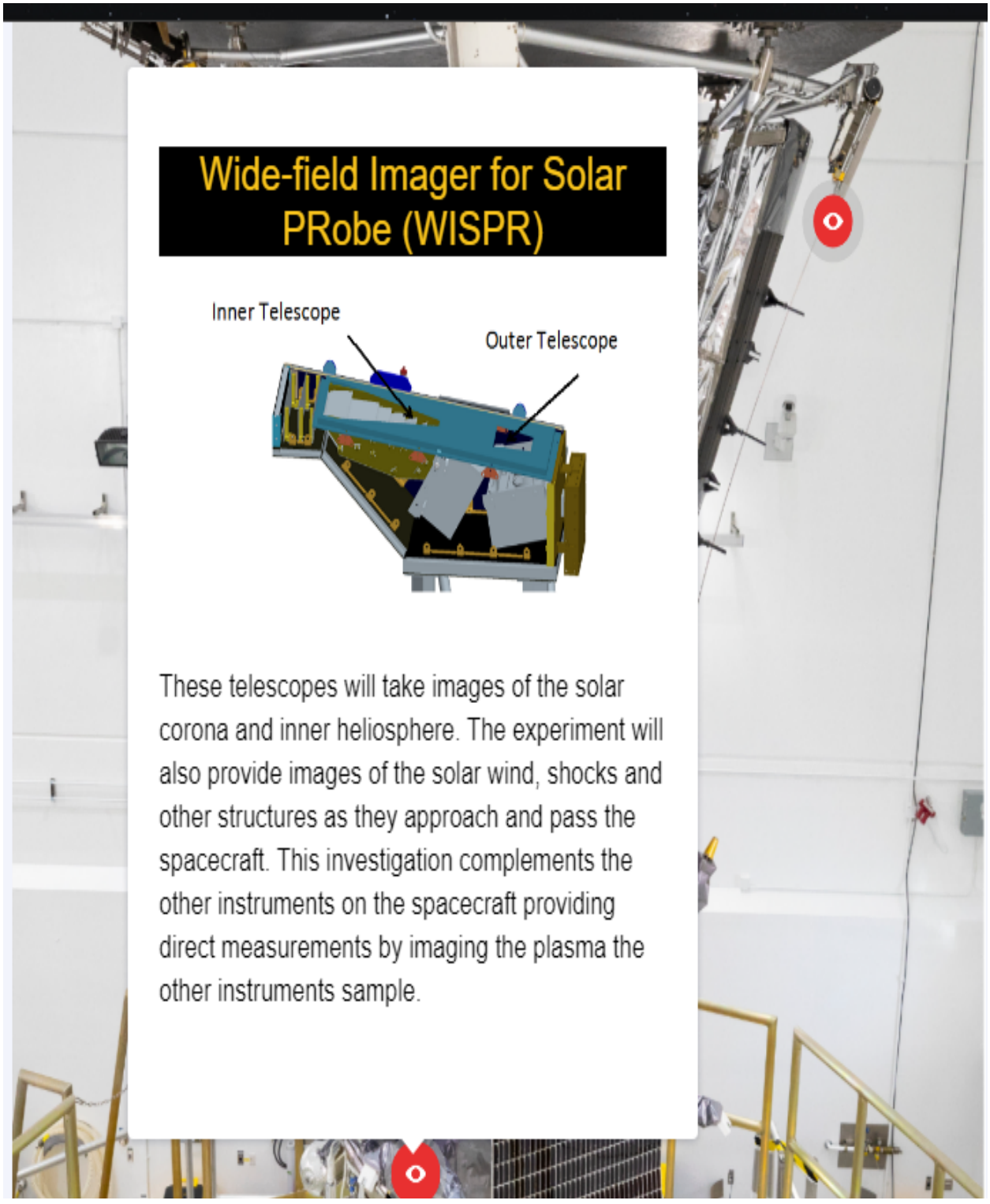

Integrated Science Investigation of the Sun (IS⊙IS)
EPI-Lo
8 Sensor Wedges
LET1
HET
ISIS Bracket
EPI-Hi
LET2
This investigation makes observations of energetic electrons, protons and heavy ions that are accelerated to high energies (10s of keV to 100 MeV) in the Sun's atmosphere and inner heliosphere, and correlates them with solar wind and coronal structures.

SWEAP


Solar Wind Electrons Alphas and Protons (SWEAP) Investigation
This investigation will count the most abundant particles in the solar wind -electrons, protons and helium ions- and measure their properties such as velocity, density and temperature.
Parts:
SPC


genially
¿Quieres hacer conte
SPAN-A
SPAN-B

WISPR


Wide-field Imager for Solar PRobe (WISPR)
Inner Telescope
Outer Telescope
These telescopes will take images of the solar corona and inner heliosphere. The experiment will also provide images of the solar wind, shocks and other structures as they approach and pass the spacecraft. This investigation complements the other instruments on the spacecraft providing direct measurements by imaging the plasma the other instruments sample.