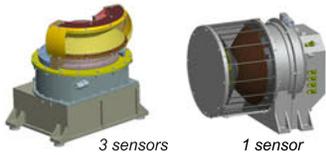




Juno Payload System Overview

Jovian Auroral Distributions Experient (JADE)



3 sensors 1 sensor

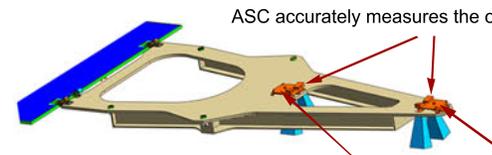
JADE will measure the distribution of electrons and the velocity distribution and composition of ions.

Gravity Science (GS)

The Juno Gravity Science Investigation will probe the mass properties of Jupiter by using the communication subsystem to perform Doppler tracking.

Magnetometer (MAG)

Advanced Stellar Compass (ASC)

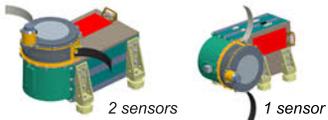


ASC accurately measures the orientation of the magnetometers.

Fluxgate Magnetometer (FGM)

The two fluxgate sensors will measure the magnitude and direction of the magnetic field in Jupiter's environment.

Jupiter Energetic-particle Detector Instrument (JEDI)

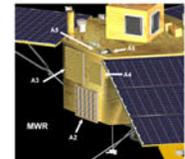


2 sensors 1 sensor

JEDI is a suite of detectors that will measure the energy and angular distribution of charged particles.

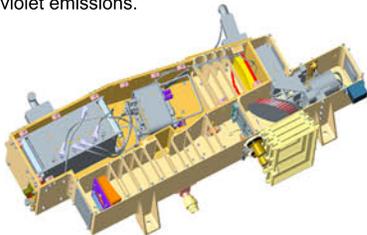
Microwave Radiometer (MWR)

MWR is designed to sound deep into the atmosphere and measure thermal emission over a range of altitudes.



Ultraviolet Spectrograph (UVS)

UVS is an imaging spectrograph that is sensitive to ultraviolet emissions.



Jovian Infrared Auroral Mapper (JIRAM)



JIRAM will acquire infrared images and spectra of Jupiter. JIRAM is located on the aft/bottom deck.

Plasma Waves Instrument (Waves)

Waves will measure plasma waves and radio waves in Jupiter's magnetosphere.



JunoCam



JunoCam will provide visible-color images of the Jovian cloud tops.

