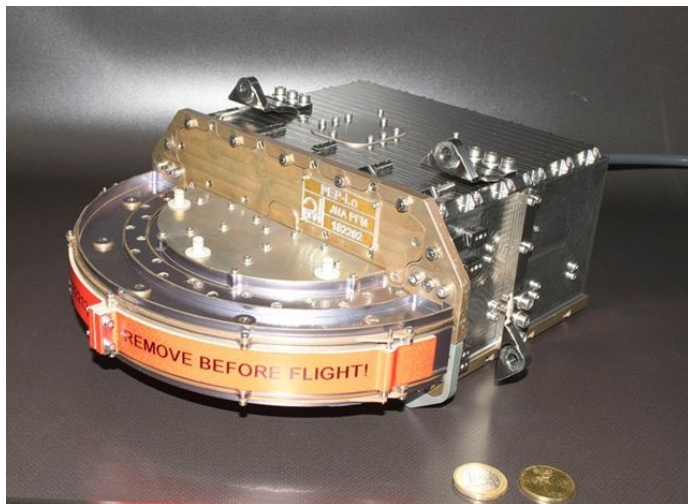


**PEP / JNA** directly measures energetic neutral atoms flying around Jupiter and its satellites. Energetic neutral atoms are created when high-energy plasma particles collide with satellite surfaces or atmospheric neutrals around the planets / satellites.

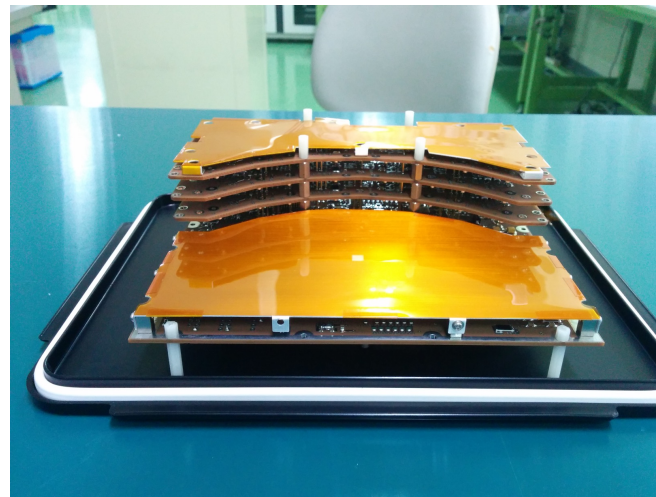
PEP/JNA Japanese team is in charge of the electronic circuit boards inside the sensor.

The boards control the entire instrument by receiving commands from the ground or satellite. It is responsible for identification of species and energies of incident particles from the observed signals, and sending the data to the satellite as well.

	Specification
Measured particles	Energetic neutral atoms
Energy range	10 eV - 3.3 keV
Energy resolution	~100%
Mass range	1 – 32 amu
Field-of-view	15°x150°
Ang. resolution	7deg x 20deg ~ 25deg(11 pixels)
Time resolution	15s (commandable)



PEP/JNA



PEP/JNA (Japanese part)

