

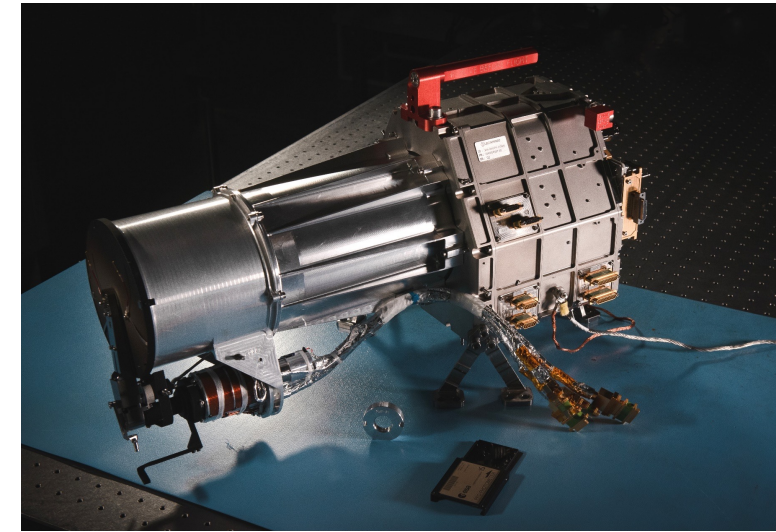
JANUS is a camera system that obtains data for 13 multiple bands in the visible region.
To understand

- (1) what are the conditions for planetary formation and the emergence of life?
- (2) what is the change mechanism of the solar system environment?

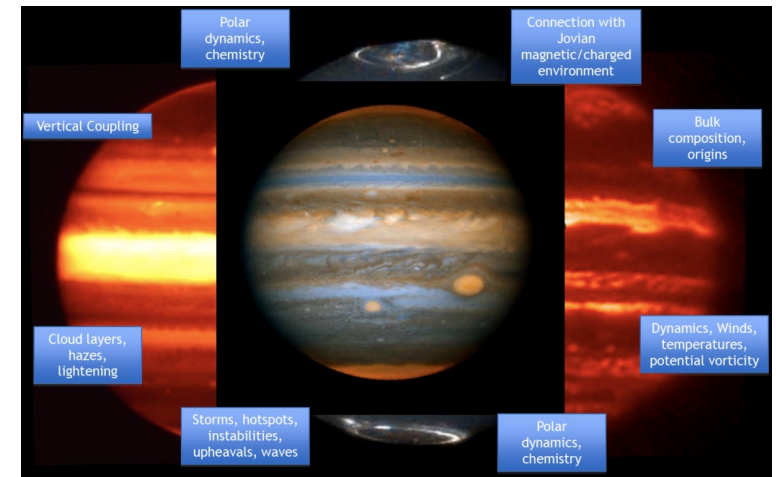
JANUS will acquire Jupiter's atmospheric information and topographical and geological information of The Galilean satellites (especially Ganymede) .

Aperture: 116 mm
 Focal length: 467 mm
 FOV = 1.29° x 1.72° (along track x across track)
 Teledyne-e2v CMOS detector with 1504 x 2000 pixels
 Pixel size: 7 x 7 μm²
 Resolution: 7.5 m/pix at 500 km
 13 filters covering the wavelength range 340 – 1080 nm.

The JANUS Japan team has been involved in equipment development, especially in terms of mission definition and specification determination. In the future, in addition to contributing to the operation, we will proceed with preparations for observation and analysis after arrival at the Jupiter satellite system and Jupiter, as well as work on data archiving, education and public relations. In the observation mission, the JANUS Japan team will play a central role in the analysis of the topographical information of the Galilean satellites and the Jupiter lightning observation, based on our experience in lunar and planetary exploration and earth observation.



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Observation targets of Jovian atmosphere by JANUS