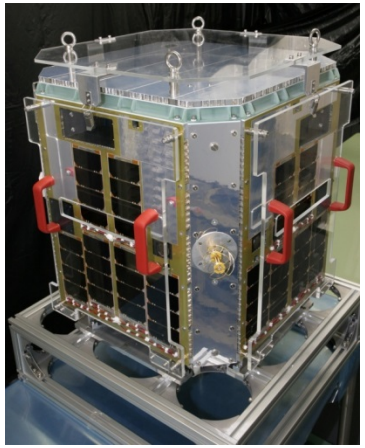
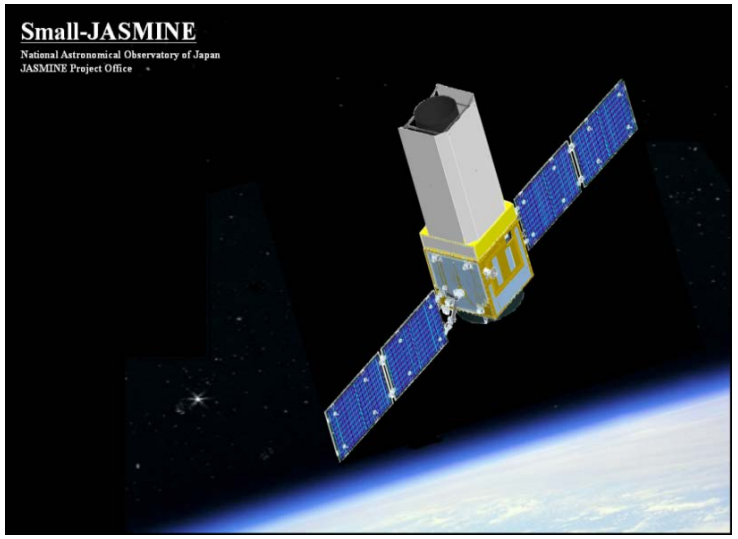
Kyoto University

JASMINE project



Nano-JASMINE, 5cm aperture,
35kg, 0.6 to 1.0 micron.
Launch during Dec 2014 – Dec 2015

Whole sky observation.



small-JASMINE, 30cm aperture,
400kg, 1.1 to 1.7 micron.
Mission proposal at Feb 2014,
competition, and if selected launch
will be at around 2018.
Bulge observation.

Members

- Yoshiyuki Yamada, Kyoto University
- Naoteru Gouda, Taihei Yano, National Astronmical Observatory Japan
- Shunsuke Hozumi, Shiga University
- Satoshi Yoshioka, Tokyo University of Marine Science
- Ryoichi Nishi, Niigata University

Gaia collaboration

- In Nano-JASMINE analysis, we will use AGIS for core processing software.
- IDT part for Nano-JASMINE will be implemented by ourselves.

- ESAC and Lund members help us continuously.

Nano-JASMINE catalogue

- Up to 2 (now trying up to 0) magnitude stars can be observed.
- For brighter than 6 mag stars(which Gaia will not observe), Nano-JASMINE Hipparcos combination will improve proper motion accuracy.

Other collaborations

- In small-JASMINE,
  - SDSS-IV (APOGEE) spectroscopic observation catalogue combination to SJ data will be planned.

Work package

- 200 Tailoring to the user community
  - 220 Analysis and working out of requirement gathered by GAP
- 500 Tools for data validation and analysis
  - 540 Confronting Gaia to external archive
    - 543 Cross variation tool with Nano-JASMINE

- Also plan to data utilizing meeting at Japan by GENIUS fund.