Kagawa Satellite “KUKAI”

Main mission

Taking pictures of the MS from the DS during tether deployment

Mission results
- Tether deployment for several centi-meters;
- Robotic control based on gyro sensors feedback;
- Photograph of the mother satellite.
KUKAI development concept

- Piggy-bag satellite on H-IIA (GOSAT)
- Design concept
  - Challenging technologies
  - Low cost development
- Parts
  - Deliverability
  - Local community development
Development system

Local development

Power system  Control system  Camera system

Development with a space experienced company

Paddle antenna & Solar cell bonding