September 13, 2010 (JST)
Japan Aerospace Exploration Agency

First Quasi-Zenith Satellite MICHIBIKI
Orbit Calculation Result of the Second Apogee Engine Firing Schedule

The Japan Aerospace Exploration Agency (JAXA) would like to inform you of the calculation result after the first apogee engine firing. As a result of calculation, we have confirmed that the satellite is injected into the preordained second transfer orbit.

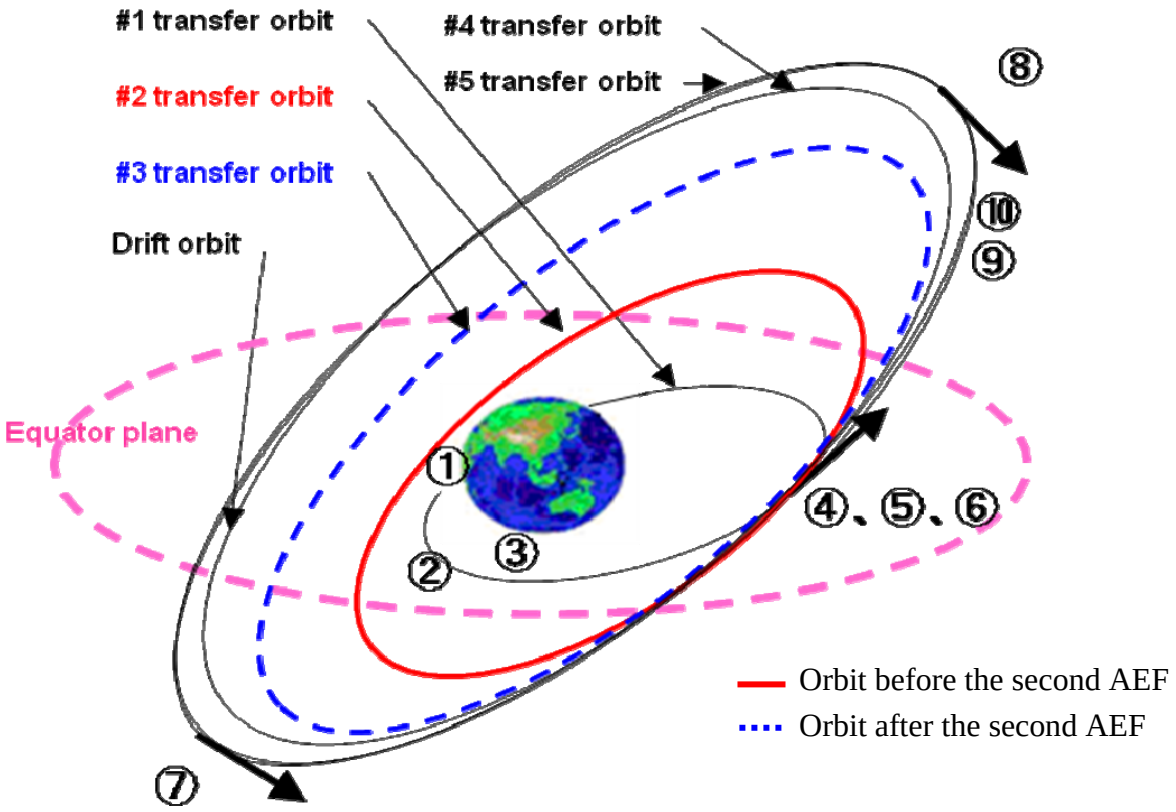
	Result *	Schedule *
Apogee altitude	35,969 km	35,970 (km)
Perigee altitude	6,785 km	6,668 (km)
Orbit inclination	36.6 degrees	36.5 (degrees)
Period	12h 47m	12h45m

We will perform the second apogee engine firing for 88 minutes from around 1:26 p.m. on September 13, 2010 (Japan Standard Time, JST) to inject the MICHIBIKI into the third transfer orbit. (Please refer to the Attachment 1.) The satellite is in good health.

The picture of Solar Array Paddle Deployment is shown in the Attachment2.

(Scheduled next information release)
We plan to announce the second apogee engine firing results at around 4:30 p.m. on September 13 (JST.)

Attachment 1



Event	Revolution
① Payload separation	1
② Solar array paddle deployment	1
③ Sun acquisition by the solar array paddle	1
④ First apogee engine firing	2
⑤ Second apogee engine firing	**4**
⑥ Third apogee engine firing	5
⑦ Fourth apogee engine firing	7
⑧ Fifth apogee engine firing	8
⑨ Paddle auto-tracking	10
⑩ Shift to the regular control mode	10

Flight Plan of MICHIBIKI

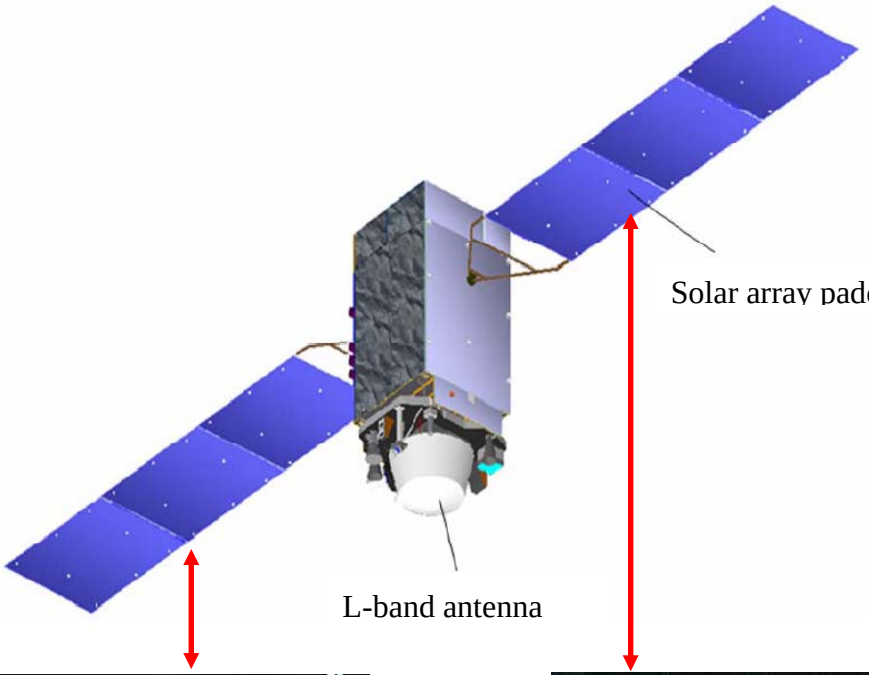
空へ挑み、宇宙を拓く

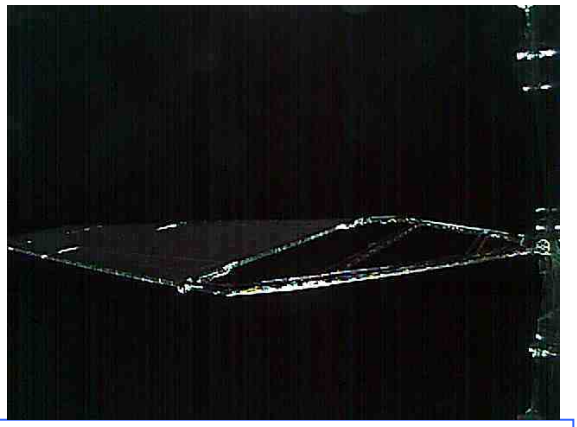
JAXA

宇宙航空研究開発機構

Attachment 2

<Solar Array Paddle Deployment>





Solar Array Paddle (South)

Solar Array Paddle (North)