

September 14, 2010 (JST)
Japan Aerospace Exploration Agency

First Quasi-Zenith Satellite MICHIBIKI Orbit Calculation Result and the Third Apogee Engine Firing Schedule

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

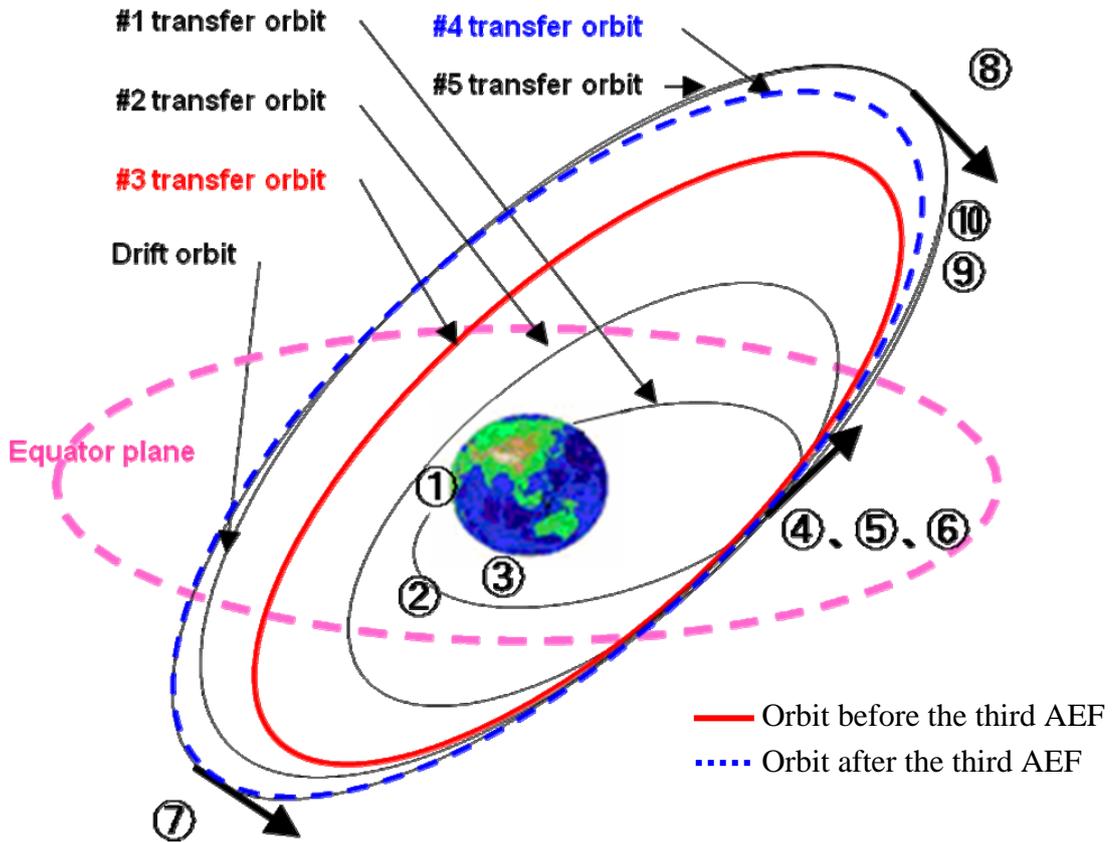
	Result *	Schedule *
Apogee altitude	35,967km	(35,968km)
Perigee altitude	31,528km	(31,957km)
Orbit inclination	40.8degrees	(40.8degrees)
Period	22h 13m	(22h 24m)

We will perform the third apogee engine firing for 7 minutes from around 00:21 p.m. on September 14, 2010 (Japan Standard Time, JST) to inject the MICHIBIKI into the fourth transfer orbit. (Please refer to the following attachment.)

The satellite is in good health.

(Scheduled next information release)

We plan to announce the third apogee engine firing results at around 2:00 p.m. on September 14 (JST)



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	<u>5</u>
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