

September 16, 2010 (JST)  
Japan Aerospace Exploration Agency

### **First Quasi-Zenith Satellite MICHIBIKI Orbit Calculation Result and the Fourth Apogee Engine Firing Schedule**

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

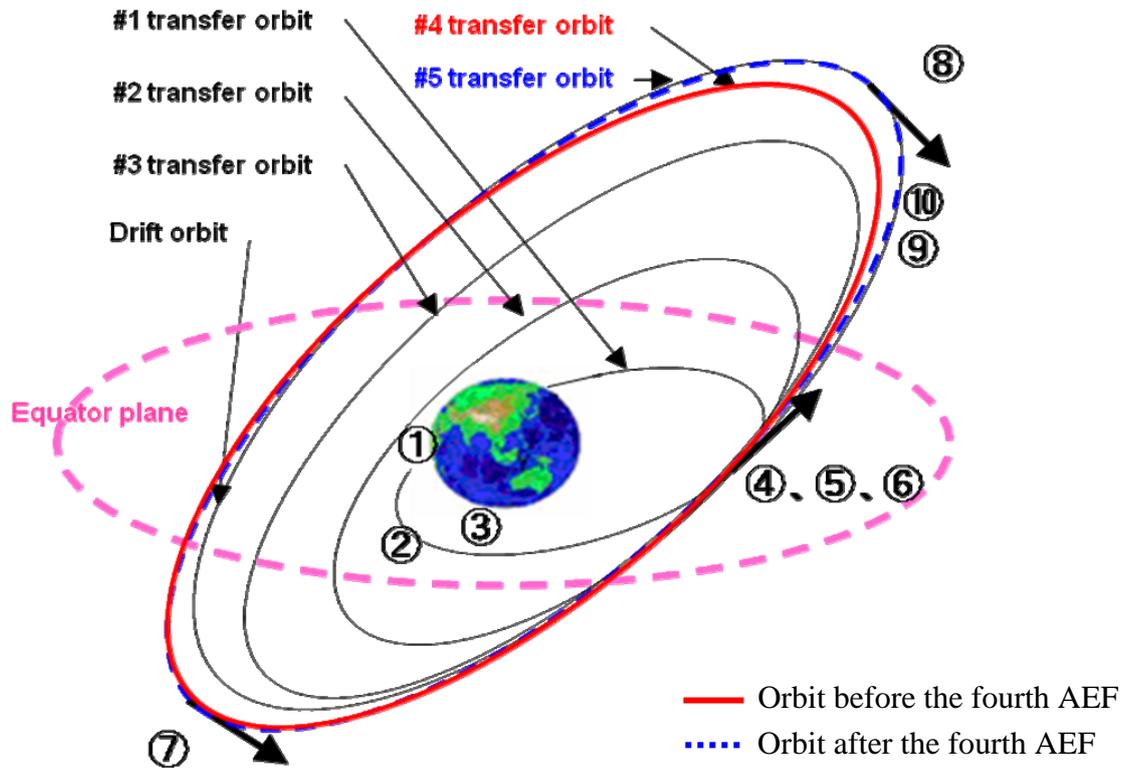
	Result *	Schedule *
Apogee altitude	35,966km	(35,970km)
Perigee altitude	35,874km	( 35,967km)
Orbit inclination	41.0degrees	( 41.0degrees)
Period	24h 03m	(24h05m)

We will perform the fourth apogee engine firing for about 4 minutes from around 6:25 a.m. on September 16, 2010 (Japan Standard Time, JST) to inject the MICHIBIKI into the fifth transfer orbit. (Please refer to the following attachment.)

The satellite is in good health.

(Scheduled next information release)

We plan to announce the fourth apogee engine firing results at around 08:30 a.m. on September 16 (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	5
<b>⑦ Fourth apogee engine firing</b>	<b>7</b>
⑧ Fifth apogee engine firing	8
⑨ Paddle auto-tracking	10
⑩ Shift to the regular control mode	10

### Flight Plan of MICHIBIKI