



September 17, 2010 (JST)  
Japan Aerospace Exploration Agency

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

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

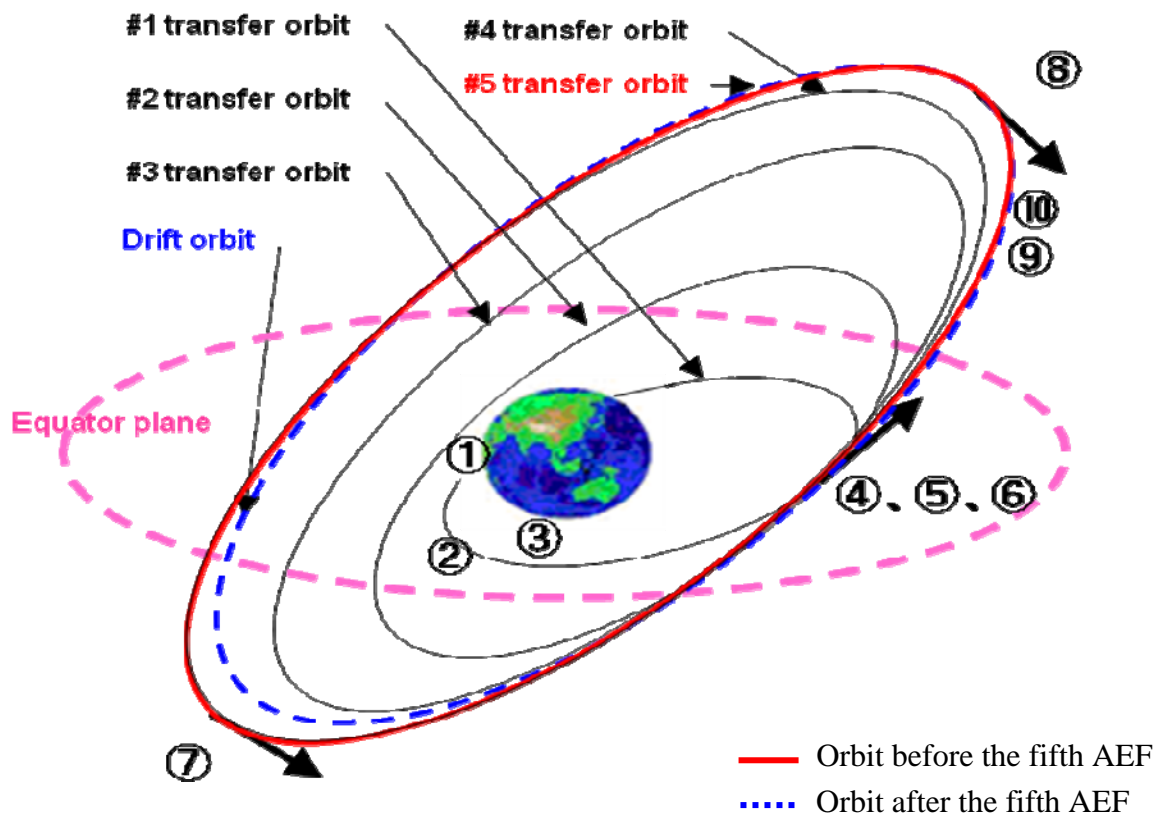
	Result *	Schedule *
Apogee altitude	38,976km	( 38,950km)
Perigee altitude	35,922km	( 35,923km)
Orbit inclination	41.0degrees	( 41.0degrees)
Period	25h 22m	(25h21m)

We will perform the fifth apogee engine firing for about 6 minutes from around 8:27 p.m. on September 17, 2010 (Japan Standard Time, JST) to inject the MICHIBIKI into the drift orbit. (Please refer to the following attachment.)

The satellite is in good health.

(Scheduled next information release)

We plan to announce the fifth apogee engine firing results at around 10:30 p.m. on September 17 (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
⑦ Fourth apogee engine firing	7
<b>⑧ Fifth apogee engine firing</b>	<b>8</b>
⑨ Paddle auto-tracking	10
⑩ Shift to the regular control mode	10

## Flight Plan of MICHIBIKI