February 24, 2008 (JST)
Japan Aerospace Exploration Agency

KIZUNA (WINDS)
Orbit Calculation Results and Schedule of the First Apogee Engine Firing

The Japan Aerospace Exploration Agency confirmed that the KIZUNA was injected into its scheduled first transfer orbit as a result of the orbit calculation as follows.

	Result *	Schedule *
Apogee altitude	36,007 km	(35,995 km)
Perigee altitude	249 km	(249 km)
Orbit inclination	28.51 degrees	(28.50 degrees)
Period	10 hours and 36 minutes	(10 hours and 36 minutes)

* Decimal fractions are rounded off.

We will fire the apogee engine four times to inject the KIZUNA into its second through fifth transfer orbits respectively, then fire the 20 N thruster to inject it into the drift orbit. (Please also see the attached information.)
The first apogee engine firing is scheduled to start around 9:28 a.m. on Feb. 24, 2008(Japan Standard Time, JST), for 88 minutes to inject the satellite into the second transfer orbit.

The satellite is in good health.

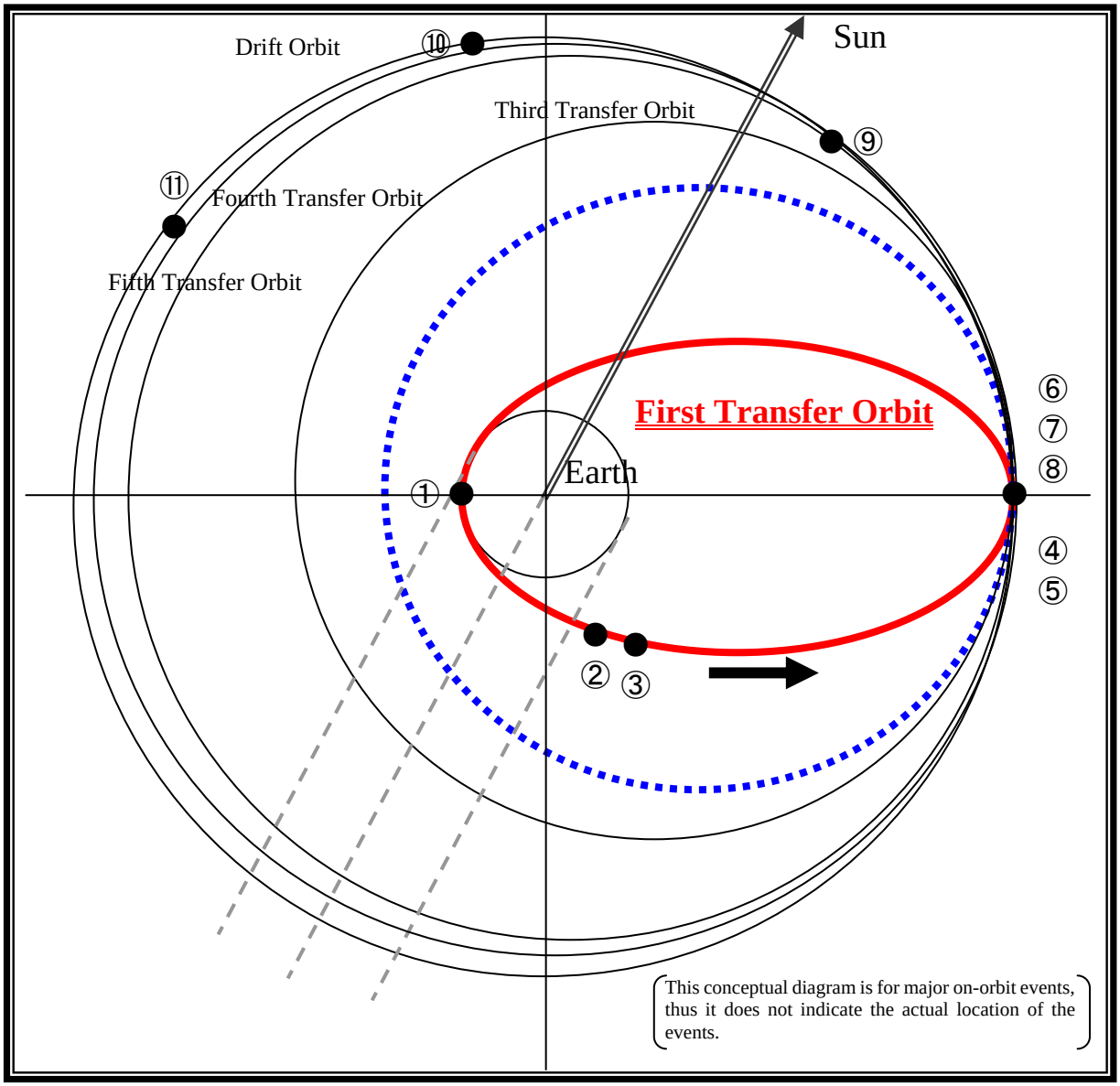
(Notes)

- Transfer orbit: A temporary orbit for a satellite between the launched orbit and its final orbit. After being launched and injected into a transfer orbit by the launch vehicle, the satellite is gradually maneuvered and injected into its final orbit.
- Apogee engine: A satellite engine that is fired at the apogee of the transfer orbit to increase the perigee altitude of the satellite orbit to go closer to the geostationary orbit.
- Drift orbit: The last step orbit prior to the geostationary orbit. A circular orbit whose altitude is about 36,000 km.

(Scheduled next information release)

We plan to announce the result of the first apogee engine firing at around 12:00 a.m. on February 24 (JST.)

Attachment



Event	Revolution
①L/V second stage/KIZUNA separation	1
②Solar array paddle deployment	1
③Solar array paddle sun acquisition	1
④First apogee engine firing	2
⑤Second apogee engine firing	4
⑥Third apogee engine firing	6
⑦Fourth apogee engine firing	7
⑧20 N thruster firing	9
⑨Multi-beam antenna (MBA) deployment	10
⑩Shifting to the three axis attitude control	10
⑪Paddle rotation start	10

KIZUNA Flight Plan