



September 17, 2007 (JST)

Japan Aerospace Exploration Agency (JAXA)

## KAGUYA (SELENE) Result of the Orbit Control Error Correction Maneuver ( $\Delta V_{a1}$ )

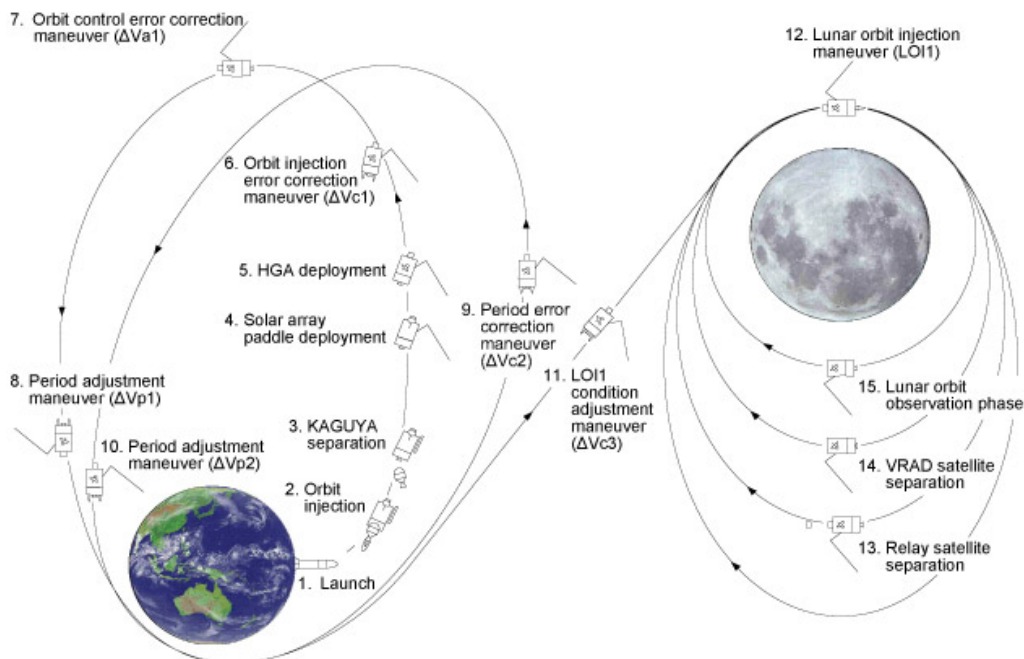
The Japan Aerospace Exploration Agency (JAXA) performed the orbit control error correction maneuver ( $\Delta V_{a1}$ ) for the "KAGUYA" (SELENE)

\* The "KAGUYA" (SELENE) is a lunar explorer launched by the H-IIA Launch Vehicle No. 13 (H-IIA F13) on September 14, 2007 (JST) from the Tanegashima Space Center.

As a result of the orbit calculation after the maneuver, we have confirmed that the KAGUYA was injected into the following orbit.

	Injected orbit
Apogee altitude	232,731km
Perigee altitude	924km
Period	4days 23 hours 33 minutes

The satellite is confirmed to be in good health through telemetry data received at the UDSC (USUDA) station.



### For inquiries

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- \* Orbit injection error correction maneuver: orbit control maneuver to correct errors with the KAGUYA orbit injected by the H-IIA launch vehicle and to change the KAGUYA's orbit plan (6 in the above figure)
- \* Orbit control error correction maneuver: orbit control to correct errors with  $\Delta Vc1$  orbit control (7 in the above figure)

[Note]

The Orbit Control Error Correction Maneuver ( $\Delta Va1$ ) is an orbit control to correct errors caused by the Orbit Injection Error Correction Maneuver ( $\Delta Vc1$ ). The  $\Delta Vc1$  maneuver was successfully performed and the orbit error caused by this maneuver was within the normal range.

However, we decided to carry out the  $\Delta Va1$  maneuver in order to conduct further operations more efficiently.

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