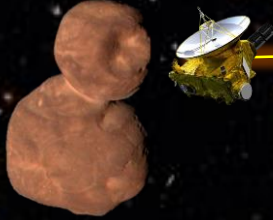


Ultima Thule

MJD 28485 UTC

~5 years

Arrive



TCM - 3

MJD 27297 UTC

MJD 27218 UTC

~8 years

MJD 24369 UTC

TCM - 2

--- Earth SOI
--- Jupiter SOI
--- Mission Path

Pluto



NEW HORIZONS

An interplanetary mission to perform a flyby study of the dwarf planet **Pluto** and an element of the Kuiper Belt known as “486958 Arrokoth” (**Ultima Thule**).

1. Immediate launch into an Earth-and-Solar escape trajectory on **19th January 2006**.
2. First Trajectory Correction Manoeuvre (TCM) to target a **Jupiter** gravity assist.
3. achieved on **28th February 2007**
4. Second TCM to target a **Pluto** flyby, achieved on **14th July 2015**.
5. Final TCM to target **Ultima Thule**.
6. Flyby of **Ultima Thule** on **1st January 2019**.

Gravity Assist

Earth



TCM - 1

MJD 23804 UTC

~330 days

Jupiter

MJD 24160 UTC

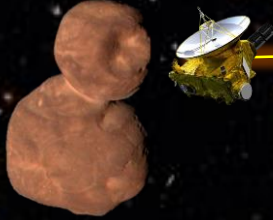


Ultima Thule

MJD 28485 UTC

~5 years

Arrive



TCM -3

MJD 27297 UTC

MJD 27218 UTC

~8 years

Pluto



MJD 24369 UTC

TCM -2

Gravity Assist

Jupiter

MJD 24160 UTC

~330 days

Earth

TCM -1

MJD 23804 UTC

--- Earth SOI
--- Jupiter SOI
--- Mission Path
| Trajectory Correction Manoeuvre

NEW HORIZONS

An interplanetary mission to perform a flyby study of the dwarf planet **Pluto** and an element of the Kuiper Belt known as "486958 Arrokoth" (**Ultima Thule**).

Mission Timeline:

- 19th January 2006 - Launch into **Earth**-and-Solar escape trajectory
- 28th February 2007 - **Jupiter** gravity assist periapsis
- 14th July 2015 - **Pluto** flyby
- 1st January 2019 - **Ultima Thule** flyby