



KAMARAJ IAS ACADEMY
Only IAS Academy by Grandson of "Perunthalaivar Kamarajar"

Artemis II Crew Sets New Distance Record in Human Spaceflight

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The crew of Artemis II has set a new record for the farthest distance traveled by humans from Earth, surpassing the previous record held by Apollo 13.

Key Highlights

Artemis II crew traveled beyond 248,655 miles (Apollo 13 record).

The mission reached a maximum distance of about 252,700+ miles (~406,000 km) from Earth.

This is the farthest distance ever achieved by humans in space.

The milestone was achieved during a lunar flyby mission.

The spacecraft used a free-return trajectory, ensuring safe return without additional propulsion.

Crew Members

Reid Wiseman (Commander)

Victor Glover

Christina Koch

Jeremy Hansen

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Mission Details

Spacecraft: Orion (Integrity)

Launch date: April 1, 2026

Mission type: Crewed lunar flyby (no landing)

Duration: ~10 days

Closest approach to Moon: ~4,000 miles above surface

Key Achievements

First humans to travel beyond Apollo-era distance limits in 50+ years

First crewed mission beyond low Earth orbit since 1972 (Apollo 17)

Record for:

Farthest human spaceflight distance

Distance beyond Moon (~4,700 miles)

Observed and photographed the far side of the Moon

About Artemis Programme

Launched by: NASA

Objective:

Return humans to the Moon

Establish sustainable lunar presence

Key Missions:

Artemis I (2022): Uncrewed test flight

Artemis II (2026): Crewed lunar flyby

Artemis III (planned): Human Moon landing

Additional Important Points

Artemis II is the first crewed mission of Orion spacecraft

Uses Space Launch System (SLS) rocket

Demonstrates laser-based optical communication technology

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Crew includes:

First woman (Christina Koch) to travel to lunar vicinity

First non-American (Jeremy Hansen) in deep space mission