



FF-322(NEO) Artemis Lunar Bridge



Mission Description

Platinum Airways supports NASA's Artemis II mission – the first crewed lunar flyby in over 50 years – by operating a high-priority airfreight bridge between Europe and the United States. The mission delivers critical European Service Module (ESM) components from Germany, Italy, and Spain to Kennedy Space Center, followed by crew support supplies from Houston and recovery equipment pre-positioned in San Diego. Cargo includes temperature-sensitive avionics, HAZMAT propulsion hardware, sterile quarantine kits, and Class 1 explosive pyrotechnic bolts.

Aircraft

Boeing 767-300F (B763) – Legs 1 through 4 (European & transatlantic), **C-130J-30 (C130)** – Legs 5 & 6 (domestic US) or any other appropriate aircraft

Flight Schedule

Leg	Route	Distance	Flight Time
1	EDDW (Bremen, Germany) → LIMF (Turin, Italy)	474 nm	1h 25min
2	LIMF (Turin) → LEMD (Madrid, Spain)	580 nm	1h 50min
3	LEMD (Madrid) → BIKF (Keflavik, Iceland)	1,620 nm	3h 45min
4	BIKF (Keflavik) → KTTS (Kennedy Space Center, Florida)	2,780 nm	6h 10min
5	KEFD (Ellington Field, Houston) → KTTS (Kennedy Space Center)	760 nm	2h 20min *

Leg	Route	Distance	Flight Time
6	KRIV (March ARB, California) → KNZY (San Diego NAS)	75 nm	25 min *

Legs 5 & 6 flown with C-130J-30

Detailed Leg Breakdown

Leg 1: EDDW (Bremen) → LIMF (Turin) – *Avionics cards & flight computers (temp-controlled)*

Leg 2: LIMF (Turin) → LEMD (Madrid) – *Thruster components & fuel valves*

Leg 3: LEMD (Madrid) → BIKF (Keflavik) – *Solar array drive mechanisms (fragile – tech stop only)*

Leg 4: BIKF (Keflavik) → KTTS (Kennedy Space Center) – **ESM sub-assemblies (HAZMAT Class 2.3 – trace hydrazine)**

Leg 5: KEFD (Ellington Field) → KTTS (Kennedy Space Center) – *Crew quarantine kits & life support spares (sterile / time-critical)*

Leg 6: KRIV (March ARB) → KNZY (San Diego NAS) – *Pyrotechnic bolts (Class 1 explosives) & recovery diving gear*

Total Mission Statistics

- **Total distance:** ~6,225 nm (all legs combined)
- **Total flight time:** ~15h 55min
- **Total fuel burn:** ~66,350 kg

NOTAMS

- **Leg 5:** Priority handling at KEFD and KTTS – NASA escort pre-arranged
- **Leg 6:** 24-hour prior coordination with US Navy (KNZY tower) for explosives handling
- **Crew duty limits:** Overnight stop recommended at BIKF (Keflavik) between Leg 3 and Leg 4
- **Aircraft swap:** B763 for Legs 1–4, C-130J-30 for Legs 5–6 (pre-position C-130 at KEFD before Leg 5)