Mission execution begins *here*.

PROJECT DESCRIPTION:

The Coast Guard's HC-130H and HC-130J Hercules and Super Hercules Long Range Surveillance aircraft provide heavy air transport and meet long-range maritime patrol requirements in vast areas of responsibility. Upon project completion, the Coast Guard will have a fleet of new, fully missionized HC-130J aircraft and upgraded HC-130H aircraft to help aircrews perform missions more effectively.

The HC-130Hs have been upgraded with state-of-the-market surface search radar and are receiving glass cockpit instruments; command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) systems; and new avionics equipment. Some HC-130H aircraft will also get new center wing boxes to extend their service lives through 2027. The HC-130J's improved engine and propellers provide a 20 percent increase in speed and altitude and a 40 percent increase in range over the HC-130H. The HC-130J also has a modern, integrated cockpit with a digital flight management system, an enhanced cargo-handling system and belly-mounted surface search radar.

HC-130J Super Hercules

For updates on the HC-130H/J, visit the project's website at http://www.uscg.mil/acquisition/lrs.

FEATURES:

- Real-time tracking and Rescue 21 integration to enhance the common operating picture and maritime domain awareness

- Advanced radar and electro-optical/infra-red sensors for intelligence gathering

- C4ISR components complementing the capabilities and equipment of the HC-144A Medium Range Surveillance aircraft

- HC-130J is the first C-130 aircraft in the world with a 360-degree, belly-mounted, multimode surface search radar

CHARACTERISTICS:

Number Planned: The Coast Guard operates a mix of 22 HC-130Hs and six HC-130Js.

Length: 99 feet 7 inches

Wingspan: 132 feet 7 inches

Height: 38 feet 8 inches

Maximum Weight: 175,000 pounds

Speed: 339 knots (J); 325 knots (H)

Range: 5,500 nautical miles (J); 4,100 nautical miles (H)

Endurance: 21 hours (J); 14 hours (H)

Crew: two (J); five (H)