

NASA Goddard Space Flight Center/ Wallops Flight Facility C-130 Program

N436NA



C-130 Hercules Description

- ◆ Wingspan: 132 feet 7 inches
- ◆ Length: 97 feet 9 inches
- ◆ Height: 38 feet 3 inches
- ◆ Four T56-A-15 turboprop engines
- ◆ Max altitude: 33,000 feet *
- ◆ Max airspeed: 320 knots
- ◆ Max endurance time: 11 hours *
(~3,200 miles) *
- ◆ Max. Payload capacity: ~36,000 lbs *
- ◆ Minimum runway length: 1,400 to 3,500 feet



***Note that values here are the *Maximum possible* and will vary based on payload weight and other factors.**

Aircraft Features

- ◆ Aft cargo ramp (Opens outward and inward)
- ◆ Nose radome and nadir port
- ◆ Three 16" dia. nadir ports
- ◆ Two large rectangular side windows
- ◆ 120V 60Hz and 400 Hz experimenter power available along with 28VDC
- ◆ Regular cargo and cargo airdrop capable
- ◆ Lavatory and galley available



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◆ Supports critical NASA Commercial Crew Parachute Airdrop Testing, Sounding Rockets Program Office “Ship & Shoot” deployments, Balloon Program Office International deployments, and other Agency Space Cargo movements

◆ “Ship and Shoot” is a method streamlining Sounding Rocket field operations reducing the amount of time teams are deployed in the field.

- Payload is fully assembled at WFF and shipped assembled to the field in a controlled and measured environment



N436NA C130 at Wallops Flight Facility Hangar
N-159

Note that C-130 cannot fly both Science payloads and cargo at the same time due to mutually exclusive flight configurations.



To request a flight or for any questions, concerns, please contact:
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