

# AVAPS ARISTO Debrief

## Goals

Validate use of the **Mini** Dropsonde on the C-130 for future Dropsonde field programs.

- 1) Safe ejection from the aircraft
  - Sonde does not hit C-130
  - Sonde is not damaged
- 2) Test of the new Sonde launch detect system for proper operation of the parachute

**ARISTO flights were very successful for AVAPS**

**Additional Testing** of Sonde GPS receiver configuration to improve near sea surface winds due to GPS multi-path

- Flight RF06 had a 50% split configuration of GPS elevation angle mask
  - Excellent test as all sondes were dropped close together in time and space, thus same GPS satellite constellation and same sea surface state.

## **New issue**

- Sonde GPS pre-lock in cabin failed, time required in future required to resolve