

Deployment

Submitted by patrick.gatlin on Sun, 04/17/2011 - 23:28

- [2DVD](#)

Flight Date:

Tuesday, April 19, 2011

Status:

Yellow

April 19, 2011:

Power for SN38 became available today. Tomorrow we are going to improve the mounting of each 2dvd to get them more accurately level and secured for strong winds.

April 17, 2011

Today we deployed all five NASA 2dvds. All 2dvds are collecting data except for SN38, which we are going to power on tomorrow when the public works person unlocks the power access door. A plane test was conducted on site, using the vehicle as a wind block, for SN35 using the new executables (see posted image).

Before data collection was started, each 2dvd calibration was checked. Below is a summary of each unit's performance on the measurement of 2, 4, and 6 mm spheres dropped:

SN25: 2,4,6 mm diameter 0.05-0.1mm too low & axis ratio 1% low

SN35: 4 and 6mm biased low by 0.05mm ; axis ratio biased low by 3%

SN36: 2,4,6 mm diameters 0.05mm low bias; axis ratio biased low 1% low bias

SN37: no observed bias in diameters and axis ratio

Status:

SN25: collecting data; remote comms established

SN35: collecting data; needs comms established

SN36: collecting data; needs comms established

SN37: collecting data; enclosed by cattle fence; needs comms established

SN38: setup at site but awaiting power access

Images

