

Flight Director Checklist

NS- 47

Launch Location = Clear Spring, MD

Launch Date = SAT, 18 Apr 15

Attempt Number = _____

Payloads:

Command Module

Mini Black Box

Bach's Optic Box (Weather Payload)

Miniature Space Heater

From CTU: TrapSat

Supersonic (Drop Test)

The Good Samaritan (Rescue Payload)

SPECTREv2

Parachute:

Comments:

Launch Day

Assignments

- Still Photographer: _____
- Video Photographer: _____
- Payload Commander: _____
- Balloon Controllers
- Tether Line Handlers
- Clean Up Crew
- Navigators for each Chase Vehicle

Pre-Launch Meeting

- Everyone should have signed a waiver
- New ones collected; Sign-In sheet for other visitors
- Everyone needs to decide right now where they are going after the launch: chase, HCC station, or home?
- Chase Vehicles will need to leave semi-immediately (so go potty now and be ready to leave right after release)
- Those who are not chasing should stick around long enough to clean up and secure everything

Final Checks (see next page taken from Borealis)

- ___ Weather Check
- ___ Ground Track Check

Vehicle Integration

- ___ Parachute to Balloon lanyard configured
- ___ Parachute and Ring assembled
- ___ Command Module in place
- ___ Payload string lined up and assembled
- ___ Payload string weighed: Necessary Free Lift _____
- ___ Antennas clear
- ___ No sharp edges, no weak links

Pre-Inflation Checklist

- ___ Helium Tanks uncovered and regulator hooked up
- ___ Instructions and Gloves to balloon handlers
- ___ Instructions given to tether handlers & tether in place
- ___ Full payload string laid out and ready to go

- ___ Hook lanyard from chute around balloon neck before connecting to inflation tube!))
- ___ Get lift measuring setup in place and measure total lift as needed

Inflation

Start inflating at max flow rate

Inflation Complete: Measure Total Free Lift = _____

Release and Chase

Pre-Release Checklist

- Clear to Launch (Range Safety)
- Payloads Ready (Payload Commander)
- Tracking Good (CapComm)

Countdown & Release

- ___ All Payloads Switches On
- ___ Raise Stack above pad in full flight configuration
- ___ Telemetry and Downlink good
- ___ Tether handlers ready
- ___ Photographers ready
- ___ Countdown from 10
- ___ Release

Call Tower 5min before launch

★ Release Time Mark = 08:51

Initial Heading of Flight = _____

Main String Van : KD2DRI

Supersonic van : KB3ZZI

Bowden Van : KD2IFB

Cmd Module : W3EAX-9, KB3ZZI-9, KC3EMR-11

Supersonic : W3EAX-9

~~AT&T~~ KC3EMR KC3EMU ?

CTU : KC3BX0-9 ?

92-S
E - Fredrick
ST - N

Chase Teams

Chase 1: Pilot = _____

Navigator = Tyler

Back Seat 1 = Wilke

Back Seat 2 = Weather 2.0

Back Seat 3 = Weather 3.0

Back Seat 4 = Laurel

Back Seat 5 = Steve

Back Seat 6 = Jackie

Cell Phone Number: _____

Trading
Van

Litty
Gladys

Chase 2: Pilot = _____

Navigator = _____

Back Seat 1 = Cooper

Back Seat 2 = Kyle M.

Back Seat 3 = Nick

Back Seat 4 = Kyle K.

Back Seat 5 = Noel

Back Seat 6 = Bryan

Cell Phone Number: _____

Super
Sonic

Stacy