

Launch Director Checklist

NS- 72

Launch Location: ClearSpring MD

Launch date: Nov. 19 2017

Payload Lineup:

Cmd

Lora / 360

FISH

Balloon Size(s): 3000g

Callsigns: W3EAX-8, -12

Pre-Flight Checklist

Charge:

- Car battery
- Wi-fi hotspot(s)
- Walkie-Talkie(s)

Check Inventory of:

- BLT Bucket
- Inflation Bucket
- Recovery Bucket
- Launch Kit
- Main tracking box

Launch Equipment

- Balloons
- Helium tanks
- Tarp (Big and Small)
- Parachute and Ring
- Command Module kit
- Broom
- Trash Bag
- Square Plywood Bases
- Scale for Measuring Payloads

Recovery

- Bow Saw
- Extension Pole
- Scythe
- Sling Shot

Payloads

- Car battery

- ~~Battery box~~
- ~~Battery Charger~~
- Payloads
- ~~Soldering Iron & wire~~
- ~~Spare LVCs~~
- Tyler's Weather Ground Station

Tracking/Communications

- ~~Tracking Laptop(s)~~
- Tracking Antennas
- ~~900s Ground station~~
- Radios
- ~~Walkie-Talkies~~
- ~~Wi-Fi hotspot(s)~~
- Power Inverter
- Power Strip(s)
- Car magnets

Assume
Recovery
Talkies!

Probes

Launch Checklist

Launch/Inflation Setup

- ~~Pre-launch setup meeting (See PAO)~~
- Tarp setup (indicate full or half configuration)
- Place BLT in optimal launch location
- Indication direction of payload string from balloon
- Parachute-to-balloon lanyard configured
- Parachute and ring untangled
- Command Module in place
- Harmless payload stickers on each payload ~~descent~~
- Payload string lined up and assembled

Pre-Inflation Checklist

Hook lanyard from parachute around balloon neck before connecting to inflation tube

Tethers in Place

Brief 2 tether handlers (See PAO)

Did Dr. Bowden call the tower? (See Dr. Bowden) 4-5

Balloon in BLT ready to go (See BLT Engineer)

Pre-Release Checklist

Check payloads are ready

Final communications check

Countdown & Release

Inform payload PoCs to hold payloads above the launch pad

Tether handlers ready

Slowly raise payload string

Measure Total Free Lift = _____ (optional)

Countdown from 10 (Final Countdown Song Optional)

Release!

Release Time Mark = _____

Note:

Launching in the rain is not
recommended! ⚡