

Launch Director Checklist

Split Launch and Recovery

NS-73

Launch Location: Hancock MD, Middle Senior Highschool

Launch date: December 2, 2017

Payload Lineup: Cmd

700g CHIPS (camera/LORA payload)

FISH

Balloon Size(s): 3000g (1600g back up)

Callsigns: WSEAX-8, -12

Pre-Flight Inventory

Charge:

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

Check Inventory of:

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

Pre-Flight Packing List

Launch Vehicle:

Inflation Equipment

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

Payloads

- Battery box
- Battery Charger
- Payloads
- Soldering Iron & wire
- Spare LVCs *Solder*

Probes
 FISH Tank

Solder Sucker

SWAG for the old

dudes @ McDonalds

Tyler's Weather Ground Station

Kits/Buckets

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

igates

Tracking/Communications

- Tracking Laptop
- Tracking Antennas
- Radios
- Walkie-Talkies
- Wi-Fi hotspot (*Lola*)
- Power Inverter
- Car magnets

Recovery Vehicle:

Recovery

- Bow Saw
- Extension Pole
- Scythe
- Sling Shot
- Tarp (Small)

- Probes recovery box
- SWAG Bag

Kits/Buckets

- Recovery Bucket

Tracking/Communications

- Tracking Laptop

- Tracking Antennas
- Radios
- Walkie-Talkies
- Wi-Fi hotspot
- Power Strip(s)
- Car magnets
- Car battery
- Inverter

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
- 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)
- 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 = 7.