Flight Director Checklist

NS-56

Payloads:	telios	(1.716)
	Cmd	(4.5lb)
	Boch's Box	(5.6) (2.5)
	Cloud 360	(1.3 lb)
	TRENE	(0.9.(1)
. (GANONDORF (autoled paylood disp)	(0.766)
	Data Pigeon	(1.666)
	Scorch	(0.6(5)
	HABSCOPE	(3.5(6)

Comments:

Wellow go that for...

One Month in Advance:
Launch Week
Pre-Flight Planning Checklist ✓ Send the launch announcement email ✓ Create Zello station Print waivers ✓ Preliminary weather check ✓ Preliminary ground track check ✓ Payloads determined and ordered ✓ Vehicles identified and configured for tracking
Pre-Flight Systems Checklist BLT Bucket (check Inventory) / Inflation Bucket (check Inventory) / Recovery Bucket (check Inventory) / Launch Kit (check Inventory) Balloons (2) Batteries (check if charged) Bow Saw Clean Up Bucket (Broom, Dust Pan, Garbage) Extension Pole Functioning Radios and GPS Helium Machete Parachute and Ring + Assembled Command Module kit Payloads Phone Chargers Power Inverter Scythe Sling Shot Radios/GPS Tarp (Big and Small) Tracking Antennas Van Keys [OSPS]

Walkie-Talkies Wi-Fi hotspot 900s Ground station
FAA Notification Checklist
File NOTAM (6 hours prior) Call NOTAM desk (866-225-7410 ext 9) to get NOTAM number: NOTAM #
Call Washington Center (2 hours prior): 703-771-3470 Call HGR Tower 301-797-2039 at 7am
Radios + Callsigns Checklist Command Module: W3EAX-8 W3EAX-12 Main tracking van: Second tracking van: Specific payloads:
Others:
PRE-LAUNCH MEETING / PRE-LAUNCH DAY
 Launch Confirmation/Postponement Email Pre-Launch Meeting Everyone should have signed a waiver: new ones collected, sign-In sheet for other visitors

- Launch time goal: 8:00 am
- Assign/prepare for jobs (BLT, Comms, Nav, etc.)
- Chase Vehicles will need to leave semi-immediately be ready to leave within 5-10 minutes of launch
- Everyone helps clean up, so we can get out efficiently

Final Checks Waiver Check Weather Check Ground Track Check

Launch Day

On launch pad
Parachute to Balloon lanyard configured
Parachute and Ring assembled
Command Module in place
Payload string lined up and assembled
Harmless payload stickers on each payload
Payload string weighed: Necessary Free Lift =
Antennas in place
Parachute and Ring assembled Command Module in place Payload string lined up and assembled Harmless payload stickers on each payload Payload string weighed: Necessary Free Lift = Antennas in place No sharp edges or weak links
Pre-Inflation Checklist
Helium Tanks uncovered and regulator hooked up
Hook lanyard from parachute around balloon neck before
connecting to inflation tube!
Instructions and Gloves to BLT anchors
Instructions given to tether handlers & tether in place
Instructions and Gloves to BLT anchors Instructions given to tether handlers & tether in place Full payload string laid out and ready to go
Balloon in BLT ready to go
Inflation
BLT Instructions: (Always use BLT!!!)
Lay out BLT with inside facing up (Velcro side down). Immediately fold
together to prevent moisture from getting inside the BLT.
When ready for inflation, Place balloon in the center with the neck
facing one open end.
Fold around the balloon, the Velcro seem should be towards one side
so it doesn't end up on the top when fully inflated
Designate people to hold BLT down. (At least 4 people)
Start inflating at max flow rate
Inflation Complete: Measure Total Free Lift =
Pre-Release Checklist
Check payloads are ready
Good final communications check

Countdown & Release
All Payloads turned on
Raise Stack above pad in full flight configuration
Telemetry and Downlink good
Tether handlers ready
Countdown from 10
Release
Release Time Mark =
Initial Heading of Flight =
Post launch (during chase)