Command Module 1 Checklist

NS-80

L-1day:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
BITS (Bottom Plate)	reddings > triggl 4-up
Confirm CPS configuration	V240 o (1.4) o
Confirm Transmission	se) Still server have my st
Confirm SD logging	FINES FOR SHARES BETS
Confirm battery is charged, serial number: 011, volt	200: 1NV
Total in battery is charged, serial number. Off, void	age. Virginia i Institu
Habduino (Top Plate)	green to the memory.
V Confirm habduino battery is charged, serial number:	10 voltage: 8-30 V
Turn on radios, confirm they get GPS lock, confirm APR	C packets are cont
Tulli on radios, commit they get GP3 lock, commit APK	s packets are sent
Habduino (Bottom Plate)	10 F. C. St 13.5 12 T
7	
	940 Lune Hall
Turn on radion, confirm thou got CDC look, confi	vit voltage: vit v
Turn on radios, confirm they get GPS lock, confirm APR	5 packets are sent
0-117	THE STATE OF SALES
Cell/Tracker (Top Plate)/_Confirm cell tracker battery is charged, serial number:	010 00/
Turn on cell track, confirm it gets GPS lock, confirm text	messages are sent
✓ Confirm positions are logged to SD	radiospace (Section Line)
	RIVER TRANSPORT
Equipment	TENTER SHEET IN THE
✓ Confirm command kit is packed with:	
Spare battery, serial number:, voltage:	V stational and surface
Spare habduino U12_	18.1
Habduino serial number	ector" "web stall ord
Spare empty micro SD card	and analytical con-
•	united the medical release.
✓ USB-A to USB-B cable	Self-tent Section Comments.
<u>✓</u> USB-A to micro-USB cable	and our frame is.
	Tinte analistic
✓ Spare GPS antenna ,	on institution of the parties
Spare habduino antenna (x2)	of margaries
Spare LVC	10/2 (19
Wrench (for SMA connectors)	Sart mod Ws "I fing house
Screwdriver (for balloonduino screw terminals)	CTR must seemas a prosess."
Screwdriver (for mounting screws)	Williams with the control
Desiccants	Page Turn Over->
Table 1991	0.020 14 62
	PACIFIC DALL DA

Command Module Checklist NS-80

Pre-Flight Checklist	V5-5
Cell Tracker	District many of the Con-
Tighten Cell Tracker GPS Connection	
Cell Tracker SD Card	Constitution of the contraction
Tighten Cell tracker cellular connection	British gr angain.
Power connection	redution firmed the program of the program is the program of the p
√ Clear SD card	Annual Addition of the Section of th
	(aldfi (10) fishs)
Habduino (Top Plate)	widown assertantedd_
	Conflict habitité es a Pierre es chappes sagan
✓ Tighten Habduino GPS Connection Tighten 2M RF Connector (Out the back)	- San cure perfect a series series and series -
✓ Power connection	
	Section (Control Page)
Habduino (Bottom Plate)	estman labert brind dist
Tighten Habduino GPS Connection	LANSE DOMESTA DESTRIBUTA AND DESTRIBUTA
Tighten 2M RF Connector(Out the front)	chine easter francistra en savarante.
✓ Power connection	States (Top Flate)
D minutes of the fact	toward and the state of the sta
BITS V Spotter Discrete to	and 2000 and benefits the delication water
Tighten Iridium Connection (bottom) Confirm GPS Configuration	Swithing Bottom to DOG
	Strategy is a secondary comment.
Clear SD card	both pirites at 8,310000
✓ Power connection	To see in some case of the second with
Systems Check	redinant lation greated usage
-Top Plate	articlets may!
√Top LVC Switched on	isdania kuma selikhtish
✓ Cell Tracker On Manual Manual Annual Manual Manu	
√ Habduino On	this fill embry rome mags
Receive Text from cell tracker	pageage, base OB or Galace Mr.
Received Packets from Hab	ofdeo & 5224 pt 6-8000
Place desiccants	Mar Birlanin a A-80U
-Bottom Plate	displaced a constitution of about position
Bottom LVC Switched on	Charles 2940 capp2
Habduino On	in fluide contidud PiGIP
BITS On	> Threateurs
Received Packets from Hab	g reingeries AtAZ oil) decendo/
	terre evigence that pell admire disch
Place desiccants	Commission will be with several
*/tayD may sees	3) 48 cm (1
√Seal Box	

Tracking/Communications Tracking Laptop Tracking Antennas 900s Ground station Radios Walkie-Talkies Wi-Fi hotspots Power Inverter Car magnets Car battery
Recovery Vehicle:
Bow Saw Extension Pole Scythe Sling Shot Tarp (Small)
Kits/Buckets Recovery Bucket

 $\widetilde{\Sigma} = \alpha_{-300}$

Packing Checklist

Split Launch and Recovery

NS-<u>M</u>

Launch Vehicle:
\checkmark Inflation Equipment \checkmark 50 (and)
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 Spare LVCs Tyler's Weather Ground Station
Kits/Buckets
Inflation Bucket & Slarys and Things
Main tracking box
Launch Solder Kit

N A

L-0 Pre-Departure Checklist Conduct head count against van roster Signed waivers from all participants Verify all convoy vehicles have Zello Radio check
L-O Launch Site Checklist Launch/Inflation Setup Checklist 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
$\underline{\hspace{0.1in}}\sqrt{\hspace{0.1in}}$ 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 =
L-0 Post-Launch Checklist
Ensure all materials are stowed in correct boxes/kit
Stow all materials in lab
Ensure vans are cleaned out
Download APRS logs from aprs.fi and upload to server
Remind payload designers to upload data to server

L-3 Day Checklist
Verify all payloads have submitted launch readiness forms
L-2 Day Chacklist
L-2 Day Checklist Conduct ground track meeting
Print van inspection forms Create van position roster
Create vari position roster
L-1 Day Checklist
Pick up vans
Conduct van inspections (attach checklists)
Van 3 (Callsign:)
Inspect all payloads against payload requirements document
Charge batteries
Portable car battery
Wi-fi hotspot (AT&T) Wi-fi hotspot (Spint #2)
Wi-fi hotspot (Sprint)
Verify AT&T hotspot is paid
Inventory launch supplies (checklists in respective boxes)
BLT Bucket
Inflation Bucket
Recovery Bucket
Launch Kit
Main tracking box
Launch Solder Kit
Verify completion of Command Module L-1 day checklist (attach checklist)
Pack (attach checklist)

Launch Director Checklist

NS-<u>&O</u>

Launch Locati	on:	Hancock	High School	
Launch date:		1118	J	

Payload Lineup:

Payload Name	POC Name	Passed Inspection	Inspector Initials
Commond Module	Blaine W,		
TARS	Halden O'N.		
HAPI	Zach B.		-
QUIDITCH	Sorah N.		ii.
(HARM	Michael S.		
BOWSER	Christian O.		
TAPS	Blaine W		
Area 51	Dale M.		

Balloon Size(s):	HAR Ougns	lion	E.
------------------	-----------	------	----

Callsigns:

W3EAX-8, -14