

AVAPS Drop Log

 Project: HURR 20

 Mission: ISAIAS

 Flight ID: 20200731M1

Take Off: _____

Landing: _____

 Fit Dir: NIKEI

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	195 120 792	1	0	1808	CFL	NWS		✓
2	195 030 230	2	0	1822				✓
3	195 020 028	3	0	1833				✓
4	195 030 242	4	0	1844				✓
5	195 030 243	1	0	1855				✓
6	195 030 241	2	0	1907	GD			✓
7	195 050 058	3	-0.5	1917	1			✓
8	193 430 935	4	0	1931				✓
9	195 030 217	1	-0.4	1942				✓
10	195 030 233	2	-0.2	1953				✓
11	195 110 607	3	-0.5	2004				✓
12	195 040 287	4	-0.4	2015				✓
13	195 021 051	1	0	2004				✓
14	194 930 210	2	0	2040	CFL			✓
15	192 411 075	3	0	2052	1			✓
16	194 930 181	4	0	2102				✓
17	195 030 246	1	0	2112				✓
18	194 930 180	2	0	2126				✓
19	194 830 153	3	0	2139			NO CD VERY LATE 223 MB	
19B	20	192 350 637	4	0	2140			✓
20	21	192 040 295	1	0.2	2151			✓
21	22	194 930 170	2	-0.3	2202			✓
22	23	192 040 285	3	0.3	2216			✓
	24	192 040 292	4		2225			✓
	25	192 350 614	1		2236	GD		✓
	26	192 521 110	2	0	2247			✓
	27	192 040 288	3	0	2300			✓
	28	190 220 012	4	.2	2307		LATE CANUCH	
	29	192 040 291	1	.3	2317			✓
	30	190 220 007	2	.2	2334			✓
30	31	194 830 152	3	.2	2348			✓

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
31	32	192 040 411	4 .2	0000	L	NWS		✓
32	33	192 521 123	1	0009	CPL	I		✓
	34	190 220 009	2	0021	I	I		✓
	35	192 410 059	3	0035	I	I		✓
35	36	194 830 020	4 .2					✓
	37							
	38							
	39							
	40							
	41							
	42							
	43							
	44							
	45							
	46							
	47							
	48							
	49							
	50							

Drop Station Operator Notes

Charge \$\$ To Options (DO NOT USE FUNDING CODES):

AOC, NWS, HRD, NESDIS, IR/SST, AR, STAN (Stanford), SAT (JPSS/NESDIS/HRD)

AVAPS Pre-Flight Check:

- If time-permits, verify cabin pressure sensor w/ lab standard
- Start AVAPS., then start Soundings and set the Project Name and Full Flight ID (example: 20120823N2).
- Verify the Frequency band allocation as required:
Band A: 53rd WRS - Band B: N42RF - Band C: N43RF - Band D: N49RF - Band E: Unallocated
- Select the **GPS Reference** tab from the **Soundings Displays** page and verify good GPS data
- Perform a prelaunch check on each channel, look for reasonable data and no CRC error status lights.
- Verify data is available on Remote AVAPS, then terminate the sonde.
- Verify the AVAPS Data mission folder has been created
- **Verify AVAPS PC Time is correct – if time is off by >4sec, no data will display**
- **Early launch detects are caused usually by remanufactured sondes with the chute riser line not properly coiled below the PCB ear. This may also cause fast falls. If this is suspected, repack the riser line as time permits**
- **Perform RH Regeneration on all sondes – Multiple RD41 sondes may be processed at once**

AVAPS Launch:

- Select a sonde frequency in the Green band and away from other sondes
- Enter sonde pressure error offset if 0.4mB or greater using cabin pressure sensor – warning, this can not be used during a climb
- **If the Cal lab pressure standard and the cabin pressure standard match, apply pressure offset +/- 0.1 mB**
- **Wait until GPS available (green) on the pre-launch screen before continuing.**
- Select "begin data collection" and verify good data with winds prior to putting sonde in launch tube
- On N42 & N43, remove about 1/2 of the ribbon. Do not shorten the ribbon on N49. Loosen ribbon and extend end of ribbon to near, but not over, the sensor end of the sonde. Place excess orange tape on end of ribbon to form a pocket.
- Place the sonde in the launch tube, sensor arm up, with the power pin socket facing right
- Verify the sonde is actively tracking GPS data prior to launch and **no early launch detect**