

AVAPS Drop Log

 Project: HARR 20

 Mission: IBASIAS

 Flight ID: 20200801N2

Take Off: _____

Landing: _____

 Fit Dir: NIKKI

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	192 350 690	1	-0.3	1755	CFL	NWS		✓
2	192 410 845	2	-0.4	1803				✓
3	192 320 367	3	-0.1	1813				✓
4	192 410 854	4	∅	1822				✓
5	192 350 575	1	-0.3	1838				✓
6	192 350 572	2	-0.2	1848				✓
7	194 936 169	3	-0.4	1857				✓
8	192 350 576	4	-0.2	1907				✓
9	192 411 066	1	-0.3	1917	GD			✓
10	192 631 081	2	0	1926			NO TEMP or HUM	
11	192 631 080	3	-0.2	1927				✓
12	192 411 076	4	-0.2	1938				✓
13	192 631 074	1	-0.1	1948				✓
14	192 631 071	2	-0.2	2003				✓
15	192 410 034	3	0	2015				✓
16	192 411 080	4	.2	2027				✓
17	192 410 842	1	-0.2	2037				✓
18	192 410 777	2	-0.2	2052				✓
19	192 410 872	3	0	2103				✓
20	192 411 065	4	0	2110			LATE GPS	
21	192 350 688	1	-0.2	2111			NO TEMP or HUM	
22	192 410 836	2	-0.2	2115				✓
23	192 320 695	5	-0.2	2126				✓
24	192 410 083	6	0	2132			DGPS 2200 m lost RH & TEMP	
25	193 420 268	3	-0.3	2142				✓
26	192 631 077	4	0	2201	CFL			✓
27	192 350 685	1	0	2217				✓
28	192 410 841	2	0	2230				✓
29	192 410 853	3	-0.2	2242				✓
30	192 410 778	4	-0.5	2254				✓
31	192 350 689	1	-0.1	2305				

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
32	192 320 368	2	-.3	2316				✓
33	192 631 085	3	-.2	2325				✓
34	192 410 846	4	-.2	2337				✓
35	192 410 012	1	-.3	2346				✓
36	192 410 855	2	-.3	2357				✓
37	192 410 776	3	-.2	0006				✓
38	192 631 084	4	-.2	0017				
39	192 410 843	1	-.2					
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42								
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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**