

N49RF AOC GPS Dropwindsonde Log

38/39

Flight ID: 20131004 N1

Flight Director: MORGAN / SARTORY

Mission ID: 0612A

Storm/Track: KAREN

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Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°W)	Wx Cond.	L5/R5?	SFC Pts (mb)	Last Wind Alt (m)	Comments	Ch #	FD Edits to Sonde: Aspen or d-file?	KWBC #
1	1	35017	0541	26.1	-84.0	DARK	R5	1016.2	/		1	/	0605
2	2	25255	0552	27.0	-85.0		R5	1016.3	/		2	/	0616
3	3	45123	0603	27.9	-86.0		R5	1016.1	/		3	/	0635
4	4	35018	0615	26.7	-86.7		R5	1014.7	/		4	/	0638
5	5	15172	0626	25.7	-86.4		R5	1014.8	/		1	/	0655
6	6	15023	0636	24.8	-84.9	PFO					2	/	
7	7	15023	0637	24.8	-84.9		R5	1014.6	/		3	/	0714
8	8	25257	0646	24.0	-84.1		R5	1014.3	/		4	/	0725
9	9	25254	0658	23.1	-85.0		R5	1013.5	/		1	/	0729
10	10	25337	0713	24.0	-86.6		R5	1012.5	/		2	HEIGHTS ISSUE	0741
11	11	15200	0724	23.0	-87.6		R5	1011.8	/		3	COR	0746
12	12	15139	0735	22.5	-88.7		R5	1011.0	/		4	/	0805
13	13	25330	0746	22.5	-90.1		R5	1011.4	/		1	/	0825
14	14	15196	0756	23.1	-91.3		R5	1011.4	/		2	/	0829
15	15	15230	0806	24.0	-92.1		R5	1010.7	/		3	/	0835
16	16	15195	0818	23.1	-93.1		R5	1011.1	/		4	/	0840
17	17	15032	0828	24.0	-94.0		R5	1011.1	/		1	/	0901
18	18	25332	0840	23.0	-95.0		R5	1011.3	/		2	/	0907
19	19	25329	0851	23.1	-96.4		R5	1011.1	/		3	/	0914
20	20	15228	0859	24.0	-96.0		R5	1012.1	/	BAROMETER LAUNCH	4	/	0924
21	21	35005	0909	25.0	-95.0		R5	1011.6	/	BAROMETER LAUNCH	1	/	0939
22	22	15236	0923	26.4	-96.0		R5	1010.9	/		2	/	0947
23	23	25351	0934	27.7	-95.4		R5	1011.3	/		3	/	1008
24	24	25390	0947	27.3	-94.5		R5	1011.9	/		4	/	1013
25	25	15224	0953	26.0	-94.0		R5	1011.3	/		1	/	1018
26	26	15198	1005	25.5	-92.4		R5	1011.2	/	BAROMETER LAUNCH	2	/	1030
27	27	15331	1015	26.7	-92.1		R5	1011.3	/		3	/	1041
28	28	25016	1027	27.9	-93.0		R5	1011.6	/		4	/	1047
29	29	15233	1037	29.0	-93.4		R5	1013.1	/		1	/	1101
30	30	25333	1047	29.0	-92.0		R5	1013.0	/		2	/	1107
31	31	45077	1058	27.8	-91.2		R5	1013.5	/		3	/	1117
32	32	25336	1107	28.3	-90.1	SUT BUW	R5	1014.1	/		4	/	1135
33	33	25132	1116	28.3	-88.7	SUT BUW	R5	1015.4	/	BAROMETER LAUNCH	1	/	1140

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N49RF AOC GPS Dropwindsonde Log

Flight ID: 2031004 N1

Flight Director: MORGAN / FLAHERTY

Mission ID: 0612A

Storm/Track: KAREN

Pg 2 of 2

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	L5/R5?	SFC Pts (mb)	Last Wind Alt (m)	Comments	Ch #	FD Edits to Sonde: Aspen or d-file?	KWBC #
33	33	45075	1126	27.9	-87.5	SCT BLW	RS	1015.5	/		2		1148
34	34	75107	1135	29.0	-87.0	SCT BLW	RS	1016.5	/		3		1157
35	35	15207	1146	30.0	-87.8	SCT BLW	RS	1017.7	/		1		1206
36	36	15027	1158	30.0	-86.0	SCT BLW	RS	1018.8	/		1		1222
37	37	15058	1209	29.0	-85.0	BKN BLW	RS	1019.5	/	NW 51518	2		1230
38	38	15042	1218	28.1	-84.1	BKN BLW	RS	1017.4	/		3		
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Project: Hurricane 2013Mission: Karen (TS) Flight ID: 20131004 N1Take Off: 0517 Landing: 1955 Flt Dir: NIC - Pa 1 Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
✓ 1	114335017	1	-0.7	0541	Jed	NWS		✓
✓ 2	114325255	2	-0.2	0552	↑	↑		✓
✓ 3	112545123	3	-	0603	↑			✓
✓ 4	114335018	4	-0.4	0615	↑			✓
✓ 5	112115172	1	-0.7	0626	↑			✓
→ 6	103115201	2	-	0636			NO Good - no data	X
✓ 7	112115023	3	-0.6	0637	↑			✓
✓ 8	114325252	4	-	0646	↑			✓
✓ 9	114325254	1	-	0658	↑			✓
402.7 MHz ✓ 10	103125337	2	-	0713			Gap in Air Temp. Geo-altitude wrong	X
✓ 11	103115200	3	-0.4	0724	↑			✓
✓ 12	112115139	4	-	0735	↑			✓
✓ 13	103125330	1	-	0746	↑			✓
✓ 14	103115196	2	-	0756	↑			✓
✓ 15	103115230	3	-	0806	↑			✓
✓ 16	103115195	4	-	0818	↑			✓
✓ 17	112615032	1	-	0828	↑			✓
✓ 18	103125332	2	-	0839	↑			✓
✓ 19	103125329	3	-	0851	↑			✓
✓ 20	103115228	4	0.5	0859	↑			✓
✓ 21	114335005	1	-0.3	0909	↑			✓
✓ 22	103115236	2	-	0923	↑			✓
✓ 23	103125351	3	-	0934	↑			✓
✓ 24	103125390	4	-	0942	↑			✓
✓ 25	103115241	1	-	0953	↑			✓
✓ 26	103115198	2	-	1005	↑			✓
✓ 27	103515331	3	-	1015	↑			✓
✓ 28	114325246	4	-	1027	↑			✓
✓ 29	103115233	1	-	1037	↑			✓
✓ 30	103125355	2	-	1047	↑			✓
✓ 31	112545077	3	-	1058	↑			✓
✓ 32	103125336	4	-	1107	↑			✓
✓ 33	103525132	1	-0.3	1116	↓	↓		✓
✓ 34	112545075	2	-	1126	Jed	NWS		✓

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
✓ 35	103525107	3	—	1135	jed	NWS		✓
✓ 36	103115207	4	-0.5	1146	↑	A		✓
✓ 37	123315022	1	-0.6	1158	↓			✓
✓ 38	123315053	2	—	1209	↓			✓
✓ 39	123315042	3	—	1218	jed	NWS		✓
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Drop Station Operator Notes

Charge \$\$ To Options: AOC, NWS, HFIP, NESDIS, or HRD ONLY – Do not use accounting codes!!!

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 - W53rd, Band B - N42RF, Band C - N43RF, Band D - N49RF, Band E - not allocated
- 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 at R1 and L1, then terminate the sonde by selecting **Abort** to cancel the sonde initialization. Verify the AVAPS Data mission folder has been created

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 the calibrated cabin pressure sensor
- Select "begin data collection" and verify good data with winds prior to putting sonde in launch tube
- Use orange tape to make a pocket at end of ribbon
- Loosen ribbon and extend end of ribbon to near, but not over, the sensor end of the sonde
- Place the sonde in the launch tube, sensor arm up, with the power pin socket facing starboard
- Verify the sonde is actively tracking GPS data prior to launch and no early launch detect

NOAA G-IV Flight Track Drop Locations for KAREN (AL122013)

On 2013100412 the storm was centered at 25.4;-89.4

