

N49RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Katrina

Dropwindsonde Scientists Landsea / Valde

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Flight ID 050825n1

Flight Director FLAHERTY

Takeoff from Mc DILL at 1800

Mission ID 0812 A

AVAPS Operators SMITH / BROGAN / CARPENTER

Recovery at MACDU at 0220

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	DLM wind (kt) o/ht	Comments	Process	TCOM files	⑥ #
1	003135204	182748	26.00	82.26	1010.9	343/16	4.8	10/23	20% Altitude sensor RH switch 1-2 20% str. cap. Launched ~310mb	✓	S	1
2	002648028	184357	24.02	84.05	1012.5	305/14	7.5	10/08	IN CIRRUS, late launch, correct 10s RH sensor switch 1-2	✓	S	2
3	002525263	183805	23.45	85.47	1012.8	357/8	7.4	80/7	10% str. cap. sensor late winds 60s, RH switching	✓	S	3
4	003115329	191639	22.10	86.71	1012.9	326/8	4.7	80/05	~10% stratocumulus - mostly clear RH sensor switching 1-2, late winds (60s)	✓	1-S	4
5	002025255	201132	23.46	80.00	1010.6	245/12	10.1	270/15	INCIRRUS, rh sensor switching 1-2, telemetry better, no EOD on AVAPS channel	✓	S	5
6	003115461	202518	23.20	78.22	1011.8	261/6	7.1	225/13	INCIRRUS, applied 5% RH bias to 0-300s data set RH2 → RH100	✓	S	6
7	003135279	204016	23.91	76.75	1012.2	199/14	4.7	200/10	INCIRRUS	✓	S	7
8	002615592	205624	21.86	76.54	1011.7	64/06	7.6	185/2	RH sensor switching 1-2, no high-level meteorological data at launch, noisy GPS	✓	S	8
9	003115381	211240	23.00	75.00	1012.7	165/2	4.7	30/4	clear skies below ~710-733	✓	1-S	9
10	002615598	213030	23.88	73.04	1012.9	154/6	16.9	40/7	clear skies below: PT data flagged @ t=710-733s P data kept @ 680-704/737-758s	✓	S	10
11	002648018	214453	22.06	72.93	1012.5	127/12	7.4	40/7	"	✓	S	11
12	002615594	220019	22.04	71.00	1013.9	125/12	7.6	45/6	over a lot of altostratus, flagged winds 741-742/747-748s	✓	S	12
13	003135223	222130	24.00	69.99	1014.6	147/10	4.6	75/9	winds @ 79s → late winds, overall str./st. cap. 2, RH sensor switching 1-2	✓	S	13
14	002615326	223929	26.00	-70.00	1015.3	148/2	4.5	30/8	clear skies below	✓	S	14
15	002158086	225726	28.00	-70.00	—	124/4	—	—	Altitude/st. cap. changed EOD → 1638 flagged press @ t=790s-end, set height missing	✓	S	15
16	003115498	231429	29.84	70.12	1017.0	137/8	4.8	315/10	CIRRUS, RH sensor switching	✓	S	16
17	003115322	233446	27.99	71.97	1015.7	118/8	30.0	30/4	Alto cum/alto strat late winds (60s)	✓	S	17

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Flight ID 050825h1

Flight Director IT FLAMING

Takeoff from MALIBU at 1800

Mission ID 0872A

AVAPS Operators SMITH / ~~Engram~~ / CARPENTER

Recovery at MacDILL at 0220

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