

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

Storm Helene

Dropwindsonde Scientists BLACK brothers

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Flight ID 060818N

Flight Director Damiano

Takeoff from BDO

at 1450 UTC

Mission ID WXXW

AVAPS Operators Reck + Hill

Recovery at BDO

at 2145 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	DLM wind (kt)	Comments	Processed	SATCOM tries	Ob #
1	030725440	15124	15.0	58.2	1014.9	150/6 10	145/3	Clear	✓		01
2	034555040	153146	17.0	57.0	1014.8	310/2 12	42/3	Clear (missing low-level winds - got 6 min 15)	✓	11	02
3	013215174	154354	18.5	57	1014.3	340/5 12	14/4	Clear	✓		03
4	034135094	155609	20.0	57	1013.4	10/10 (354)	356/9	Clear - lost winds 354m	✓		04
5	000715028	161302	22.0	57.6	1013.8	17/12 10	356/8	Noisy tops Clear (spotty winds)	✓		05
6	100715157	162948	24.0	58.1	1015.0	7/10 10	354/9	Clear	✓		06
7	034135096	163808	25	58.4	1016.2	52/3 10	297/6	Clear, torn	✓		07
8	034325122	165451	27	58.9	1016.3	52/3 10	297/6	Seriously clear	✓		08
9	000715124	170736	27	57.0	—	—	345/5	wind gaps, no data 1090 low cu below 907mb	✓		09
10	013215178	171439	27.1	56.0	1016.1	16/12 10	354/9	1090 cu			10
11	013945162	172128	27.1	55.0	1014.9	16/15 12	31/10	1090 cu	✓		11
12	000715030	173537	27.1	53.0	1014.2	33/18 10	91/14	Cirrus below, retained temp structure	✓		12
13	013215058	174240	27.1	52.0	1014.4	57/24 10	90/22	thick cirrus 5-moist sounding above dry	✓		13
14	013978130	175633	27.1	50.0	1014.5	—	090/25	Cirrus below dry 1yr 60% 700-900M: tall			14
15	013978131	180649	26.1	46.5	1015.2	60/28 13	145/21	cirrus below (missed drop at pt 4) moist 2907			15
16	013945160	183519	25.0	46.5	1014.1	120/30 12	156/26	Cirrus below - thinner 700-800M: dry 14yr 40%			16
17	013945161	184522	24.0	44.5	1013.5	115/28 11	165/27	thin cirrus below RH 70% - thin dry by 2000: 159			17

4.1. but not in the book

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Flight Director *Pam Tano*

Takeoff from San Diego at 1800 UTC

AVAPS Operators Mark Rogers, John Hall

Recovery at 15-000000 at 2/91 UTC

[illegible]