

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm Bret

Flight Director Parrish

Page 1 of 2

Flight ID 990821N

Dropwindsonde Scientists Goldenberg, Kaplan

Takeoff 1728 UTC

Mission ID NOAA9 0703A BRET AVAPS Operators Gonzales, Smith & Goldstein

Landing _____ UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (kn)	MBL wind (kn)	BT SST (°C)	Location Comment	Comments	Ob #
01	98471519	174911	26.58	81.11						5% cloud - climbing	X
01A	984325320	175138	26.59	81.44	1015.4		28507			5% maci. r. - 5% below	✓ 01
02	984325474	180854	27.00	86.54	1016.2		23507			100%	✓ 02
03	984715182	182532	27.00	88.6	1015.2		20005			20% (winds dropped out ~ 360 - 380 sec)	✓ 03
04	98471547	184236	27.00	90.75	1015.3		14011			100%	✓ 04
05	984715219	185939	27.00	92.89						100%	X
05A	984325350	190128	27.00	93.11						100%	X
05B	984715212	190548	27.00	93.70	1014.1		10516		N of Storm	100% RH2	✓ 05
06	984325488	191550	26.99	95.00	1014.3		13528		NW of Center	100% (some turbulence)	✓ 06
07	984325313	194954	24.0	97.36					SW of Center	20%	✓ 07
08	984325465	200329	22.53	96.48						Haze? cloud?	✓ 08
09	984325445	201716	21.02	95.57						Haze P	✓ 09
10	984325245	203113								~ 100% cloud	✓ 10
11	984715318	204336								some Haze below cloud	✓ 11
12	984715183	205646									✓ 12
13	984715135	210834									✓ 13
14	984715085	212240			1011.7		19011			100% cloud RH ok/mk	✓ 14
15	984715111	213717			1011.9		1554			Haze (some fast fall) (lots of gaps)	✓ 15

SATCOM FAILURE

Temp Norm

JK

SBL

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 Mission ID NOAA 9 0707A BRET AVAPS Operators Gonzales Landing UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (kn)	MBL wind (kn)	BT SST (°C)	Location Comment	Comments	Ob #
16	984715274	215241								scattered convection	16
16A	984715194	215553			1013.1		22004			A few Cu's popping	✓ 16
17	984325478	221137	22.00	87.69	1012.4		09577				✓ 17
18	984325247	2227678	18.98	86.91	1011.1		10506			1009.	✓ 18
19	984715141	230538	17.82	84.96							✓ 19
20	984715018	232212	19.00	83.79						~5% cloud below	✓ 20
21	984715022	234448	20.50	81.3						~10% cloud below	✓ 21
22	984715331	001041	20.70	83.0							✓ 22
23	984715149	002656			1013.3		11011				✓ 23
24	984715023	004250			1014.4		08006				✓ 24
25	984715016	010002			1014.6					RH 2 used	✓ 25
26	984715024	011236			1015.1		17001		(59m)		✓ 26
27	984715327	012755	23.50	81.99	1016.0		13510		(74m)		✓ 27
28	984715086	014350	23.89	80.10	1016.3		10008		(63m)		✓ 28

SAT
OK

SATCON failure

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150.1 wind