

Radar on 181635

Flight-level dew-point no good until ~2015

19980821H1-DROPS

HRD Dropwindsonde Scientist Log (Revised 7/98)

Storm TS Bonnie

Flight ID 980821H

Mission ID WX02A Bonnie

Dropsonde Scientist(s) M. Black / Joe Crone

AVAPS Operator(s) George Delgado / Jim Barr

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Takeoff 1807 UTC

Landing UTC

Drop #	Sonde ID	Time (UTC)	Lat (°)	Lon (°)	Press (mb)	GAIt (m)	T (°C)	TD (°C)	WD/WS (kt)	Comments	Prc ?	Xmt ?
1	974030002	194330								good sonde 20kt SFC	✓	7
2	973840059	2019								Ta 28.4 TD 23.4 (94%) 11.6 m/s	✓	12
3	974530029	205040								50 miles east of S	✓	16
4	972630025	205721								east eye wall inner	✓	17
5	982720282	210335								nw eye wall	L	
6	982630122	210922								50 kts SFC	✓	20
7	973410139	212416								RH failed	✓	21
8	974510031	213341								988 mb	✓	22
9	974510104	213740								center drop	✓	29
10	974530076	214653								NE eye wall	✓	30
11	973250084	213025								50 mile NE	✓	34
12										North min bar	✓	34
12	974530080	215807								intermittent winds	✓	33
13	973250085	221518									✓	36
14	973840072	221930									✓	37
15	977510106	223245										
16	973730057	225408		*								
17	574530030	231620		*								

HHRS Clock Set

start-sonde icon doesn't work

* trouble sending ASPL

#1 - avaps-input stopped
#2 - receiving data

Dropsonde Scientist(s) M. Black / Joe Cione / Ed Bracken
AVAPS Operator(s) George Delgado

Takeoff UTC

Landing _____ UTC

Flight ID 980821H

Mission ID WX027 Bonnie

Dropsonde Scientist(s)

AVAPS Operator(s)

[illegible]

Aug 21 00:51 1998 /home/hrd/flight_tracks/track02.log Page 1

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: BONNIE

Prepared by the Hurricane Research Division at 12:51:04 AM on 08/21/98.
File: /home/hrd/flight_tracks/980821hp.ftk

Aircraft: N42RF Altitude: FL180-250 Proposed takeoff: 21/1730Z
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TRACK DISTANCE TABLE (nm)

#	LAT	LON	LEG	TOTAL	TIME
0	BARBADOS		0.	0.	0:00
1	20 00	61 00	426.	426.	1:38
2	20 00	66 30	315.	742.	2:43
3S	20 12	67 47	73.	815.	2:59
4S	20 12	68 30	40.	855.	3:07
5S	20 12	69 13	40.	895.	3:15
6S	19 32	68 30	57.	951.	3:27
7S	20 12	68 30	40.	991.	3:35
8S	20 52	68 30	40.	1031.	3:43
9	23 30	67 00	179.	1210.	4:20
10	23 30	71 00	219.	1429.	5:06
11	21 30	71 00	180.	1609.	5:43
12	19 00	75 00	271.	1880.	6:39
13	17 30	75 00	90.	1970.	6:58
14	16 00	72 30	170.	2140.	7:33
15	16 00	67 00	318.	2458.	8:39
16	ST CROIX		163.	2621.	9:22

20.30, 68.00
Circle 100nm

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DROP LOCATIONS

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#	LAT	LON	TIME
1	20 00	61 00	1:38
2	20 00	63 45 64	2:11
3	21 30 20 30	66 30 68	2:43
4S	20 12	67 47	2:59
5S	20 12	68 30	3:07
6S	20 12	69 13	3:15
7S	20 32 20 32	68 30	3:27
8S	20 12	68 30	3:35
9S	20 52	68 30	3:43
10	23 30 23 30	67 00	4:20
11	23 30 23 30	69 00	4:43
12	23 30 23 30	71 00	5:06
13	21 30	71 00	5:43
14	20 15	73 00	6:11
15	19 00	75 00	6:39
16	17 30	75 00	6:58
17	16 00	72 30	7:33
18	16 00	69 45	8:06
19	16 00	67 00	8:39

120 NM (PCLL)

20 30 N
68 W

