

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF-1

Flt ID: 030203N	From: PHNL	To: PHNL
Flt No: 03-022	Blk In: 0331z	ATA: 0322z
ETD: 2000z	Blk Out: 1948z	ATD: 1959z
ETE:	Blk Time: (7:43) 7.7 hrs	Flt Time: (7:23) 7.4 hrs
Sponsor Org: NCEP	Program: WINTER STORMS	Purpose: TRACK 55

AOC Personnel

AC: McCANN / FINKE	Sys Eng: SMITH
CP: FINN / POSTON	Data Sys: HORN BROOK
Nav:	Radar:
FE:	GPS/BT: BROGAN
FD: DAMIANO / FLAHERTY	Cld Phys:
Avionics:	PM PARRISH

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
NORTHWAY, M	AIR CHEM	NOAA ARL
DE GOUW, J.	AIR CHEM	NOAA ARL

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

MADS 214512z - 215050z
quit
↑
REAR DSM

VEW
VNS

2147z CACLED

CAPTAN

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AOCWF2

Flt ID: 030203N Time Off: 1959Z Time On: 0322

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1015.0	29.99/1015.5	1013.5	29.92

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	3	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	23	21 SONDES XMITTED, 2 HAD NO WINDS

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

Flight ID: 030203N

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Form 414-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _i	Press. Alt.	Geo. Alt.	Slc Press.	Press. Slc	Dyn. Press	Remarks
203010					292	38	-47.4	-61.0				200		ABV SET CR/SC
203924	2500	15830	353	343	289	40	-54.1			(FF)		175.6		DROP NOW
204044	2509	15831	352	342	287	42	-54.4	-68.5	12463	13053	—	175.7	88.4	DROP (18)
205721	2700	15849	352	340	290	50	-53.8	-69.7	12465	12989	—	175.8	89.7	DROP (19)
211614	2900	15909	351	335	283	65	-55.4	-70.7	12468	12902	—	175.9	88.1	DROP (28)
213525	3100	15930	351	333	281	72	-53.3	-69.8	12475	12794	—	176.0	88.1	DROP (46)
215438	3300	15952	352	329	275	86	-52.7	-69.4	12468	12844	—	176.0	87.9	DROP (19)
221638	3517	16017	3											DROP (100)
223227	2700	16038												DROP (47)
224935	3900	16103	350	340	270	38	-44.1	-64.2	12511	12213	—	175.1	87.8	DROP (28)
230612	4100	16127	15	8	261	28	-43.7	-63.5	12507	12119	—	175.1	86.0	DROP (11)
232405	4300	15935	36	33	244	16	-41.9	-62.1	12517	12098	—	174.9	88.1	DROP (25)
234230	4454	157	135	137	166	20	-44.4	-63.6	12516	12117	—	174.9	87.7	DROP (31)
230821	4300	15552	144	146	187	27	-45.9	-63.6	13086	12809	—	158.4	76.4	DROP (23)
230234	4100	15330	169	173	215	26	-47.2	-63.2	13080	12891	—	158.7	79.6	DROP (18)
0004131	3900	15403	191	197	246	35	-47.2	-63.3	13091	12944	—	158.6	77.8	DROP (22)
005931	3700	15434								NO WIND				DROP
010155	3645	15435	191	201	265	44	-51.2	-66.4	13093	13039	—	158.6	77.1	DROP (11)
011659	3500	15504	191	204	276	56	-52.7	-67.3	13098	13148	—	158.6	80.7	DROP (18)
013428	3300	15532	191	209	277	74	-56.5	-69.7	13099	13271	—	158.6	80.0	DROP (51)
015208	3100	15559	190	206	277	67	-57.2	-71.1	13097	13301	—	158.7	79.7	DROP (5)
020914	2900	15625	190	203	280	57	-57.3	-70.8	13097	13472	—	158.9	79.1	DROP
022645	2700	15650	190	201	273	46	-63.5	-73.7	13662	14169	—	143.9	72.0	DROP (12)
024409	2500	15714	188	195	274	33	-65.1	-74.6	13666	14238	—	143.8	73.0	DROP

N49RF AVAPS DropSonde Log

N49RF Project: WINTER Storms 103 Flight ID 030203N

Mission: _____ Flight #: RF04 System Status: ✓

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	OOD ☒
1	022 625 058	1	2039	Ø	-	JS/CFH	FAST FALL	B
2	013 635 243	2	2040	Ø	18		DROP 1 BU	✓
3	011 245 243	1	2057	-9	19		#2	✓
4	014 335 088	2	2116	Ø	88		#3	✓
5	022 615 198	1	2135	Ø	46		#4	✓
6	013 635 224	1/5	2154	Ø	19		#5	✓
7	012 520 062	2	2216	Ø	100	✓	DATA BUS FAILURE PAID TO LAUNCH	✓
8	013 715 041	1	2232	Ø	47		177, -44 277 126	✓
9	022 945 130	2	2249	Ø	28		#8	✓
10	012 025 091	1	2306	+0	11		#9	✓
11	022 615 045	1	2324	0.4	26		#10	✓
12	022 945 217	1	2342	Ø	31		#11	✓
13	022 945 220	1	0003	Ø	23		#12	✓
14	022 945 212	1	0023	Ø	17		#13	✓
15	022 945 138	2	0041	Ø	22		#14	✓
16	022 945 161	1	0059	Ø	-		FAST FALL UNSTABLE-NOISY-NO WINDS	B
17	022 945 151	2	0101	Ø	11		#15	✓
18	022 945 157	1	0117	Ø	18		#16	✓
19	022 945 163	2	0134	Ø	51		#17	✓
20	022 945 188	1	0152	Ø	9		#18	✓
21	022 945 129	2	0209	Ø	?		#19	✓
22	022 615 048	1	0227	0.5	35		#20	✓
23	022 625 054	1	?	Ø			#21	✓
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

CHARGE ALL DROPS TO NWS

176, -44, -67, 277, 63.1, 12350

Drop #	Sonde Serial Number	Chn #	Time (ZULU)	Press. offset	Winds time	Operator Initials	Comments/ Drop Status /Reason for Failure	GOOD ☒
34								
35								
36								
37								
38								
39								
40								
41								
42								
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58								
59								
60								

 07/21/01

AVAPS HINTS

- N43's **RED PHONE** appears to interfere with AVAPS telemetry, don't allow its use while sondes are in the air
 - ASDL transmits on 401.8MHz, and will trash AVAPS telemetry +/- 1 MHz from that point
 - Rawinsondes transmit at 403.0. Caribbean taxi drivers and bandit radio stations transmit wherever they want.
 - The sonde GPS Oscillator needs at least 2 minutes to warm-up and stabilize. If you drop early, the winds data (if any) will be initially not accurate and probably late.
 - Below 10,000', open the P3 launch chute cover holes at least 2/3 of the way. From 10,000' to 18,000', open about 1/2 way, above 18,000' open 1/3 of the way.
 - Dropping a backup sonde prior to selecting **BEGIN COLLECTING DATA** is the single most frequent operator error.
 - 60 seconds is the cut-off time for Good vs. Late winds. If no satellites are locked on by 60 seconds, or no winds data by 80 seconds, drop the backup.
 - Frequency block assignments: **Air Force - Block A** **N42RF - Block B** **N43RF - Block C** **N49RF - Block D**
 - P3 Drops only.... Shorten the ribbon to about 20" - 25"
 - When sonde telemetry fails prematurely, wait until the normal drop time has elapsed to terminate data collection.
 - If Pre-launch sonde telemetry is dependent upon hand position while holding the sonde in order to **NOT** generate CRC errors, the sonde transmitter is bad and it should not be dropped.
- DAVE, do not input pressure offsets ≤ 0.3 MB

N49RF AOC GPS Dropwindsonde Log

Flight ID 030203N

Flight Director D. A. M. D. W. D.

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Mission ID 09WSC

Storm Track 55

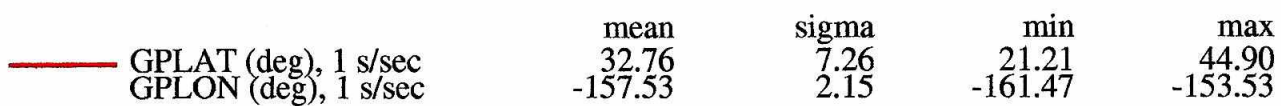
-44 277/1263

Drop #	Station # Serial #	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	013635243	203924	2509	15631	1016.1	OVC CIR/CB	KWBC 110608	1	—	2106
2	013635243	204044	2509	15631	1016.1	OVC CIR/CB	KWBC 110608	1	—	2106
3	013635243	205721	2509	15631	1016.1	OVC CIR/CB	KWBC 110608	1	—	2106
4	014335088	211614	2900	15909	1012.9	SCC CIR/OVC SC	KWBC 110443	3	—	2141
5	013635243	215438	3300	15952	1009.1	OVC CIR	KWBC 122448	5	1	2213
6	013635243	221638	3517	16017	1009.1	OVC CIR	KWBC 122448	6	—	2240
7	013715041	223227	3700	16038	1001.3	OVC CIR	KWBC 125621	7	—	2256
8	013715041	224935	3907	16103	995.3	SCC CIR	KWBC 131632	8	—	2316
9	013715041	230612	4100	16127	987.5	SCC CIR	KWBC 132908	9	—	2329
10	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
11	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
12	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
13	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
14	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
15	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
16	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
17	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
18	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
19	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
20	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
21	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
22	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006
23	013715041	234230	4454	15729	979.1	OVC SC	KWBC 140552	11	—	0006

LATE WINDS

ADT TIME
AT SPLASH

RESUME
0241



23:53:19 LO 03:17:0

