

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

AOCWF1

Flt ID: 010225N	From: PHDL	To: KMA4
Flt No.: 01 -	Blk In: 0207	ATA: 0204
ETD: 20Z	Blk Out: 1946	ATD: 1954
ETE: 6.5	Blk Time: 6:21(6.3)	Flt Time: 6:10(6.2)
Sponsor Org: OCEP	Program: Winter Storms	Purpose: Track 44

AOC Personnel

AC: McCann	Sys Eng: Smith
CP: Finkle / Yates	Data Sys: Hornbrook
Nav:	Radar:
FE: Kitson	GPS/BT:
Avionics:	Cld Phys:
FD: Parrish	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Shapiro, M.	PI	ETL
Goldenberg, S.	HAPS	HRD
Parrish, J.	Ozone	AL
Deitz, G.	Visitor	CBS

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

24.8/18.4 5K Bu
 1214.6 6K Bu
 184/10 0049Z
 29.97
 12/10
 272/2
 1004

18 Drops, 15 Good. 2 no launch defect, 1 no winds.

Flight ID:

010225N Winter Storm Track 44

Page 1 of 1

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

Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _s	T _a	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
1946	2119.7	15754.4					25.2	18.6		-16		1015.1	0.1	Black Out
195630	2114	15757	~	2	185	7	13.2	9.3	1432	1400		849	96	↑
2009	2207	15721	1.6	38.2	226	28.5	-19.4	-37.2	7470	7192		397		
203045	2450	15709	12	2	267	44	-58	-66	12911	12550		357	90	-4K
204507	2700	15637	129	359	266	54	-63	-67	12864	12554		176	88	Drop 1 ^{no wind}
204938	2712	15634	129	359	264	54.5	-62	-67.7	12858	12551		176	89	Drop 1A
210229	2930	15557	13	359	253	61	-66	-67.7	12864	12542		176	88	Drop 2
212613	3200	15516	13	0.3	245	63.5	-67.8	-65.5	12752	12540		176	87	Drop 3
214401	3430	15478	16	4	238	69	-66	-66	12662	12539		176	88	Drop 4
210815	3700	15334	16	2.9	259	61	-65.8	-68	12581	12540		176	88.8	Drop 5
221824	3900	15248	17	4	263	55	-62	-70	12514	12545				Drop 6
2234	4056	15155	~	~	264	38	-61.6	-69.2	12450	12548		176	88	Drop 7
220017	4018	14900	107	109	274	36	-61	-67	12503	12543		176.3	89	Drop 8 ^{100 launch detected}
225121	4015	14846	107	110	274	35	-61	-67	12512	12542		176.3	88.8	Drop 8A
230723	3931	14600	109	111	276	45	-65	-69	12563	12536		176.4	87.8	Drop 9
232414	3838	14300	111	111	289	52	-67	-71	12593	12537		176.4	87.8	Drop 10
234121	3739	14000	110	105	308	54	-67	-72	12590	12535		176.5	87.8	Drop 11
234930	3714	13833	↑	70	431K	-	Denied by ATC.							
235916	3645	13700	112	104	331	42	-65	-70	12560	12532		176.5	88.3	Drop 12
001227	3544	13400	113	110	305	46	-53	-64	12509	12532		176.6	89.0	Drop 13
003635	3438	13100	115	110	329	34								Drop 14
003715	3436	13033	115	109	330	34	-53	-63	12471	12532		176.5	89.0	Drop 14A
005030	3349	12856	116	112	328	27	-49.4	-61.4	12450	12530		176.6	89.7	
010303	3304	12700	~	~	316	27	-50	-61	12422	12532		176.6	88.9	Drop 15
011109	3354	12623	30	24	325	27	-49	-61	12422	12529		176.7	96.9	-
012930	3532	12431	63	60	316	13.5	-50.8	-62.6	12380	12530		176.6	96.9	↓
013445	3616	12239	64	64	84	-6	-47	-13	2398	2453		751	98.1	↓

N49RF Winter 01 / AVAPS DropSonde Log

N49RF Project: WINTER Storms 2001

Flight ID: 010225n

Mission: NCEP

Flight #: 14

System Status:

[illegible]

2/25

1	27N	156	37.1
2	29 30N	155	58.1
3	32 N	155	17.1
4	34 30N	154	29.1
5	37 N	153	35.0
6	39 N	152.	48.9

RMA4

36° 35' N

121° 51' W

212 AKN
FEN 4/10/15
120/8 KX

(112)	41 N	152 W	(7)
7	40° 19'	149 W	(8)
8	39 32 N	146 W	(9)
9	38 39 N	143 W	(10)
(113)	37 40 N	140 W	(11)
	36 46 N	137 W	(12)
	35 45 N	134 W	(13)
	34 39 N	131 W	(14)
(114)	33 N	127 W	(15)

NOAA/AOC/SED N49RE Flight Performance log

Project Name: WS2001Project No. 101Flight No. RF14Flight ID: 010225NSED Crew: Hornbrook SmithMission: Winter StormPre-Flight: 1856

Z

Take-Off: 1954

Z

Landing: 0203

Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check		
N A V	IRS #1		<i>chk</i>	<i>chk</i>			
	IRS #2						
	GPS Honeywell #1						
	GPS Honeywell #2						
	GPS Collins						
	Nose Radar - Collins				Off? ☒ Off? ☐		
T E M P		Time	Temp °C		Time	Temp °C	
	Temp #1	1856	29.2	<i>chk</i>	<i>chk</i>	0204	13.5
	Temp #2		26.3				14.6
	Temp #3		27.8				14.1
	Temp #4		26.6				13.8
	DP Left		19.3				7.3
	DP Right		19.1				7.7
P R E S S	Attack Angle (ADCAOA)		<i>chk</i>	<i>chk</i>			
	Slip Angle (BPx/DxPx)		<i>chk</i>	<i>chk</i>			
	Differential (QC1/QC2)		<i>chk</i>	<i>chk</i>			
	Absolute (PS1/PS2)		<i>chk</i>	<i>chk</i>			
	Check Radome Press. Lines ☒	Date:	2/10/01				
S Y S T E M	Down Port ⇒ Open? ☒		<i>chk</i>		Closed? ☒	N/A	
	MADS (WINDS/DISCWIN)		<i>chk</i>		# DATs: 0	①	
	MADS Printer1 ON⇒Paper? ☒		<i>chk</i>		Printer Power off? ☒		
	MADS Printer2 ON⇒Paper? ☒		<i>chk</i>		Printer Power off? ☒		
	HAPS System / Time set? ☒		<i>chk</i>		# Msg.: # Fail: 7		
	AVAPS System		<i>chk</i>				
	MADS Cal Date: 1/10/01	QC Time: 1859		Cal? ☐ Initial:		QC Time: 0205	
	Exterior Walk Around ☒		<i>chk</i>				
	Inspect DropSonde Chute Bolts		<i>chk</i>				
M I S C	Satcom (Flight Phone) ☒		<i>chk</i>		Off CB? ☐		
	Call COMSAT? ☐ (*292#)		<i>chk</i>				
	FCU/UPS/CB	CB's Checked? ☒			UPS off? ☐		
	AVAPS Sondes	# On Board: 49		# Dropped: 18	# Good: 15		
	APN-232 Altimeter		<i>chk</i>				
	Modem Power On? ☒		<i>chk</i>				
	Additional Instrumentation: AL Ozone Data System and Inlet Probe	Inlet Cap Removed? ☒		After Takeoff	Computer OFF? ☐		
		L1 400Hz CB ON? ☒		Pump ON? ☒	L1 60Hz IP CB OFF? ☐		
		Probe Temp >= 40C? ☒		Before Landing	L1 400Hz CB OFF? ☐		
		After Engine Start		Pump OFF? ☒	Inlet Cap In place? ☐		
L1 60 Hz IP CB ON? ☒			Data xfer to zip disk? ☐				
Computer ON? ☒							
1	DAT Tape #1	On: 1956	Type: 60	Off:			
	Comments: <u>tape fail</u>						

Please Note Any Discrepancies

[illegible]