

FLT ID: 000106N	FM: KMCF	TO: KMCF
FLT NO: 00-13	BLK IN: 1739	ATA: 1732
ETD: 1445Z	BLK OUT: 1449	RTD: 1505
ETE: 3	BLK TIME: 2:50 (2.8)	FLT TIME: 2:27 (2.5)
SPONSOR ORG: AOC	PROGRAM: Training	PURPOSE: Inst. Check F.H.

DAO PERSONNEL

AC Finkle	SYS ENG H.M.
CP Maxson/Finkle	DATA SYS Smith
NAV 226, Ki	RADAR
FE Kirtson	BT/ODW
RADIO	CLD PHYS
FD Parrist	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Black, M.		
Lauretson, D.		
Hock, T.		

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

1355Z 42K problem - Date at bottom of Winds display is Jan 1, 1970.

16/12 Bywind in Ft 900 m/s

30.29 1522-1523 - strange wind. jet - 115 m/s

070/11 1714-1715Z 11 11 11 114 m/s @ 266 m/s

C 400 Looks like PQ selected messed up the winds.

070/10 18/13 1023.5

20 24.5 20.2/17.4

000106N 10ST, WSA 2000 Check Flight

Time	LAT	LONG	TK	WD	WS	PA	GA	TA	TD	PS					
1449	27.849	82.49				-984		9.8	13.0	1025	Block				
151030	27.79	82.6	268	358	41	3939	4156	0.3	-35	611	↑				
1521	27.06	83.34	217	231	22	8988	8583	-31.3	-48.2	327	↑				
153445	26.63	83.75	268	253	35	12546	1307	-58.8	-60.3	176	—	Drop 4 sondes			
155134	26.775	82.88	101.6	238.1	38.1	43603	13526	-61	-63	160.8	↑	FL 430			
161001	26.8	84.1	93.7	258	26.9	43055	13631	-61.7	-64.2	159	—	Drop 4 sondes			
1643	26.7	83.7	91.1	256	29.4	43040	13621	-61.8	-64.5	160	—	Drop 4 sondes			
1708	26.7	83.8	91.9	261	28.4	43048	13616	-62.3	-64.1	160.1	—	Drop 4 sondes			
1711	26.7	83.7	94.7	334	66	39643	12563	-57.5	-64.1	195	↓	Drop 43 sondes			
173140	27.82	82.54	40	20	5	-18	53	23.8	17	1021					

1739 BLOCK 10

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms Project No. 435 Flight No. 00 Flight ID: 000106NSED Crew: Hill, Smith, Parrish Mission: Test-FlightPre-Flight: 1340 Z Take-Off: 1525 Z Landing: 1732 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
NAV	IRS #1		9/14	9/14	9/14	
	IRS #2		↓	↓	↓	
	IRS #3		↓	↓	↓	
	GPS Honeywell #1		↓	↓	↓	
	GPS Honeywell #2		↓	↓	↓	
	GPS Collins		↓	↓	Off? ☐	
Nose Radar -Collins			↓	↓	Off? ☐ 9/14	
TEMP	Time	Temp °C	9/14	9/14	Time	Temp °C
	Temp #1	1355	18.2	9/14	1737	25.3
	Temp #2	↓	18.2	↓	↓	24.9
	Temp #3	↓	17.9	↓	↓	24.0
	Temp #4	↓	18.9	↓	↓	25.5
	DP Left	↓	6.9	Cal. Time:	↓	17.7
	DP Right	↓	10.9	Cal. Time:	↓	17.4
PRES	Attack Angle (ADCAOA)		9/14	9/14	9/14	
	Slip Angle (BPx/DxPx)		9/14	↓	↓	
	Differential (PQ1/PQ2)		9/14	↓	↓	
	Absolute (PS1/PS2)		9/14	9/14	9/14	
	Check Radome Press. Lines ☐	Date:		N/A		
SYSTEMS	DOWN PRT-5 ⇒ Open? ☐	Not USED		N/A	Closed? ☐	
	MADS (WINDS/DISCWIN)	9/14	9/14	9/14	# DATs: 1	
	MADS Printer ⇒ Paper? ☒	9/14	9/14	9/14	Printer Power off? ☐	
	MADS Cal. Date:	QC time: 1353	9/14	9/14	QC time: 1735	
	WINDS ⇒ NET BCAST ☒	9/14	9/14	9/14	9/14	
	HAPS System / Time set? ☒	9/14	9/14	9/14	# Msg: 3 # Fail: 1	
	AVAPS System	JAS	9/14	9/14	JAS	
	K2 Printer ⇒ Paper? ☒	9/14	9/14	9/14	Printer Power off? ☐	
	Exterior Walk Around ☒	JAS	N/A	9/14	9/14	
	Inspect DropSonde Chute Bolts	JAS	N/A	9/14	9/14	
MISC	Satcom (Flight Phone) ☒	✓ JAS	N/A	Off CB? ☐		
	Call COMSAT? ☒ (*292#)	JAS	N/A			
	FCU/UPS/CB	CB's Checked? ☒ 9/14	9/14	UPS off? ☐ 9/14		
	AVAPS Sondes	# On Board: 18	# Dropped: 15	# Good: 12		
	AXBT	# On Board: —	# Dropped: —	# Good: —		
	APN-232 Altimeter	9/14	9/14			
	Modem Power On? ☒	9/14	9/14			

1	DAT Tape #1	On: 1350	Type: 60M	Off: 1740
2	DAT Tape #2	On:	Type:	Off:
Comments: <u>Dropsonde DEEP, out of tolerance during pre-flight</u> <u>When WINDS grabs time from DSM date in WINDS display reverts to "Jan-01-70"</u> <u>AVAPS BUG DETECTED - LIMIT OF 2-DROPS PER SYSTEM</u> <u>'till further notice</u>				

Please Note Any Discrepancies

[illegible]

N49RF AVAPS DropSonde Log

N49RF Project: WINTER Storms Test Flight Flight ID 000106N

Mission: _____ Flight #: _____ System Status: ✓

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒ / B
1	994 015 061	1/5	1534	Ø		JAS	PROTO REV C 230 KIAS	✓
2	994 015 059	2/6	↓	Ø		JAS	PROTO REV C	✓
3	993 818 042	3/7	↓	Ø		JAS	FLAKE X-MITTER	✓
4	983 620 688	4/8	↓	Ø		JAS	OLD	✓
5	994 325 189	1/5	1610	Ø		↓	PROTO REV C 220 KIAS	✓
6	994 015 058	2/6	↓	Ø		↓	" " 994015061 ^{EARLY LAUNCH} DETECT	B
7	993 818 039	3/7	↓	Ø		↓	New PRODUCTION	✓
8	984 325 042	4/8	↓	Ø		✓	OLD	✓
9	994 015 057	1/5	1643	Ø			PROTO REV C	✓
10	994 325 191	2/6	↓	Ø			" * NO WINDS	B
11	994 015 055	3/7	↓	Ø			"	✓
12	993 818 038	4/8	↓	Ø			New PRODUCTION - ^{FAILED ON} LAUNCH	B
13	994 325 194	1/5	1708	Ø				✓
14	984 715 295	2/6		Ø			NO WINDS ON 2	✓
15	984 325 317	3/7		Ø				✓
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32	System time slip ON DATA OUTPUT TO MADS system CAUSED system problems							
33	* LAUNCH DETECTED IN TUBE JUST PRIOR TO LAUNCH							

New AVAPS S.W. Ver 2.6.1 ON L5

AVAPS MWG FW 2.05 ON ALL CHANNELS