

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

AOCWE1

Flt ID: 010209N	From: PHL	To: PHL
Flt No.: 01 - 018	Blk In: 0223	ATA: 0218
ETD: 2115Z	Blk Out: 2104	ATD: 2116
ETE: 5	Blk Time: 5:19 (5.3)	Flt Time: 5:02 (5.0)
Sponsor Org: NCEP	Program: WSR-2001	Purpose: Track XX (SSW)

AOC Personnel

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

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Shapiro, M. ^{4 more}	P.I.	ETL
Leighton, P.	NAPS	HAD

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

Fly hybrid Track XX SW of Hawaii in trough, convective area.
 20552 slide 0140452 - 3/4 wall @ of A/c - 75 mi - A/c @ 11° 38' N, 162° 35' W H.D. Flt - SIGMET
 030/10 01552 17 Drops (16 NCEP, 1 AOC)
 26/21 030/19
 29.48 26/20 14 MSGS
 ---- 29.89
 24.5/18 ----
 1013.1 40/10
 73/8 25/17
 1010.9

293/32

294/40

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Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
2104	21 19.3	157 54.8					27.3	18.6	-7.9			1014.2		Block Out
211430	21 10	157 57	208	261	164	0	8.0	3.2	-270	2633		726	94	↑
215746	21 27	161 59	~	~	229	39	-59	-60	12863	12551		175	90	Drop 1
220845	20 36	162 51	221	220	217	36	-59	-60	12872	12547		176	89	-41K
221959	19 42	163 41	221	220	222	26	-58.9	-60.6	12885	12546		176.2	88	Drop 2
224037	17 54	165 20	221	222	253	17.7	-53.7	-60.8	12898	12552		176	88	Drop 3 34 1000
42														34
230001	16 06	166 56	220	226	308	24	-53.9	-62.8	12952	12543		176	87	Drop 4 34 1000
230144	15 55	167 05	220	226	316	28.5	-54	-63	12960	12544		176	88	Drop 4A 34 1000
231443	14 28	168 43	239	247	301	40.4	-57.6	-64	13065	12549		176	87	Drop 5 New Trk
233807	12 32	169 55	151	150	319	29	-58.6	-64.6	13063	12541		176	88	Drop 6
235430	11 40	167 46	111	105	327	35	-60.9	-65.9	13638	13116		160.1	82	Drop 7
001057	10 50	165 36	111	109	304.6	29	-61.1	-65.3	13638	13114		160.3	80.9	Drop 8 34 1000
002648	10 04	163 31	62	53	296	36	-61.8	-65.5	13631	13113		160.2	80.3	Drop 9
004504	12 03	162 22	28	17	283	44	-62.6	-65.9	13584	13113		160.2	81.8	Drop 10
010220	14 00	161 17	28	19	271	38	-62.3	-65.9	13533	13113		160.3	80.8	Drop 11
011933	16 00	160 08	29	21	265	32.5	-61.9	-65.8	13491	13114		160.3	78.5	Drop 12
013651	18 01	159 03	352	342	255	33	-62.9	-66.4	13484	13114		160.25	79.9	Drop 13 34 1000
013845	18 14	159 08	332	323	250	35	-63	-66.6	13491	13116		160.2	80	Drop 13A 34 1000
015312	19 49	159 00	34	28	251	33.6	-62	-66	13309	12557		160.1		Drop 14 34 1000

N49RF Winter 01 / AVAPS DropSonde Log

N49RF Project: WINTER STORMS 2001

Flight ID: 010209N

Mission: NCEP

Flight #: 7

System Status: ✓

Drop #	Sonde Serial Number	Ch #	Time (Zulu)	Press offset	Winds time	Operator	NWS	SCAT	SSMIS	PJET	PROTO	Comments / Drop Status/ Failure Reason	GOOD ☒
1	993 818 023	1	2157	0	38	JAS	✓						✓
2	990 415 161	2	2220	.5	35	JAS	✓						✓
3	993 925 360	1	2240	0	25	JAS	✓						✓
4	003 815 103	5	2240	0	42	JS/CH					✓	#34 REV C-INTO CONV.	✓
5	985 035 101	1	2300	.6	114	JAS	✓					LATE WINDS	?
6	990 415 272	5	2301	.9	20	JAS	✓						✓
7	003 825 062	1	2319	.5	23	JAS	✓					#33 REV C-TORN BAG-	✓
8	993 948 003	7	2338	.3	26	CH	✓						✓
9	990 435 432	1	2354	.6	13	JS	✓						✓
10	993 925 345	8	0010	.6	15	CH	✓						✓
11	990 435 463	1	0026	0	35	JS	✓						✓
12	990 415 301	5	0045	.7	33	CH	✓						✓
13	990 415 264	1	0102	.6	30	JS	✓						✓
14	993 915 079	6	0119	0	44	CH	✓						✓
15	990 415 266	2	0137	1.3		JS	✓					LOOK @ PI!!	✓
16	990 415 013	7	0139	.6	125	CH	✓					Sats but NO WINDS 7/7	B
17	990 435 431	5	0153	.6	20	CH	✓					LATE - FAST FALL	B
18	990 415 012	2		.7								WINDS FAILED	
19												NO DROP	
20													
21													
22													
23													
24													
25													
26												GPS SATELLITE	
27												Failure Reported	
28												post flight	
29													
30													
31													
32													
33													

AVAPS S.W. Back to 2.7.1

NOAA/AOC/SED N49RE Flight Performance log

Project Name: WS2001 Project No. 101 Flight No. 1507 Flight ID: 010209N
 SED Crew: Smith, Hornbrook, Hill, Parrish Mission: Winter Storms
 Pre-Flight: 2015 Z Take-Off: 2116 Z Landing: 0217 Z

SYSTEM		Pre-Flight Check		In-Flight		Post-Flight Check	
N A V	IRS #1		CH		5H		5H
	IRS #2		CH				
	GPS Honeywell #1		CH				
	GPS Honeywell #2		CH				
	GPS Collins		CH		5H		5H
Nose Radar - Collins			CHP		see comments	Off? ☒	Off? ☒
T E M P		Time	Temp °C			Time	Temp °C
	Temp #1	2021	27.1	CH	5H		
	Temp #2		26.2	CH		0219	27.6
	Temp #3		26.3	CH			26.7
	Temp #4		27.0	CH	5H		28.1
	DP Left		19.4	CH			27.4
	DP Right	↓	19.9	CH	Cal. Time: 2151		17.4
P R E S S	Attack Angle (ADCAOA)		CH		5H		5H
	Slip Angle (BPx/DxPx)		CH				
	Differential (QC1/QC2)		CH				
	Absolute (PS1/PS2)		CH				
	Check Radome Press. Lines ☒	Date: 9/5/00		5H		5H	
	Down Port → Open? ☒		Always	5H		Closed? ☐	
	MADS (WINDS/DISCWIN)		CH			# DATs: 1	
	MADS Printer1 ON → Paper? ☒		CH			Printer Power off? ☒	
	MADS Printer2 ON → Paper? ☒		CH			Printer Power off? ☒	
	HAPS System / Time set? ☒		CH			# Msg.: 14 # Fail: 4	
AVAPS System		JS		5H		5H	
MADS Cal Date: 1/10/01	QC Time: 2028	Cal? ☐	Initial:	QC Time: 0220			
Exterior Walk Around ☒		5H					
Inspect DropSonde Chute Bolts		JS					
M I S C	Satcom (Flight Phone) ☒		CH		5H	Off CB? ☒	
	Call COMSAT? ☒ (*292#)		CH				
	FCU/UPS/CB	CB's Checked? ☒	CH		5H	UPS off? ☒	
	AVAPS Sondes	# On Board: 39		# Dropped: 17		# Good: 14	
	APN-232 Altimeter			5H		5H	
	Modem Power On? ☒			5H		5H	
	Additional Instrumentation: AL Ozone Data System and Inlet Probe	Inlet Cap Removed? ☐		After Takeoff	Computer OFF? ☒		
		L1 400Hz CB ON? ☐		Pump ON? ☒ 2116	L1 60Hz IP CB OFF? ☒		
		Probe Temp >= 40C? ☐		Before Landing	L1 400Hz CB OFF? ☒		
		After Engine Start		Pump OFF? ☒ 0217	Inlet Cap In place? ☒		
L1 60 Hz IP CB ON? ☒			Data xfer to zip disk? ☒				
Computer ON? ☒							
1	DAT Tape #1	On: 2051	Type: 60M	Off: 0227			
Comments:							

Please Note Any Discrepancies

[illegible]