

FLT ID: 990116N	FM: PANDL	TO: PANDL
FLT NO: 99-009	BLK IN: 0142	ATA: 0137Z
ETD: 21Z	BLK OUT: 2052Z	ATD: 2102Z
ETE: 6	BLK TIME: 4:50 (4.8)	FLT TIME: 4:35 (4.6)
SPONSOR ORG: NWS/NCEP	PROGRAM: Winter Storm Surveillance	PURPOSE: Research #1

ORO PERSONNEL

AC Maxson	SYS ENG Smith Hornbrook ✓
CP McCann / Embel / Yates ✓	DATA SYS Prades - Bognes
NAV 21	RADAR
FE Kitson	BT/ODW Smith / Carpenter ✓
RADIO	CLD PHYS
FD Czzyk / Parrish ✓	DOPPLER McFadden ✓

PARTICIPATING SCIENTIST/VISITORS/ORO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Black, M. ✓		

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

Fly 16 days past on N of Hawaii for OCS.
 Interfer NOAA9 WSWSC H104.

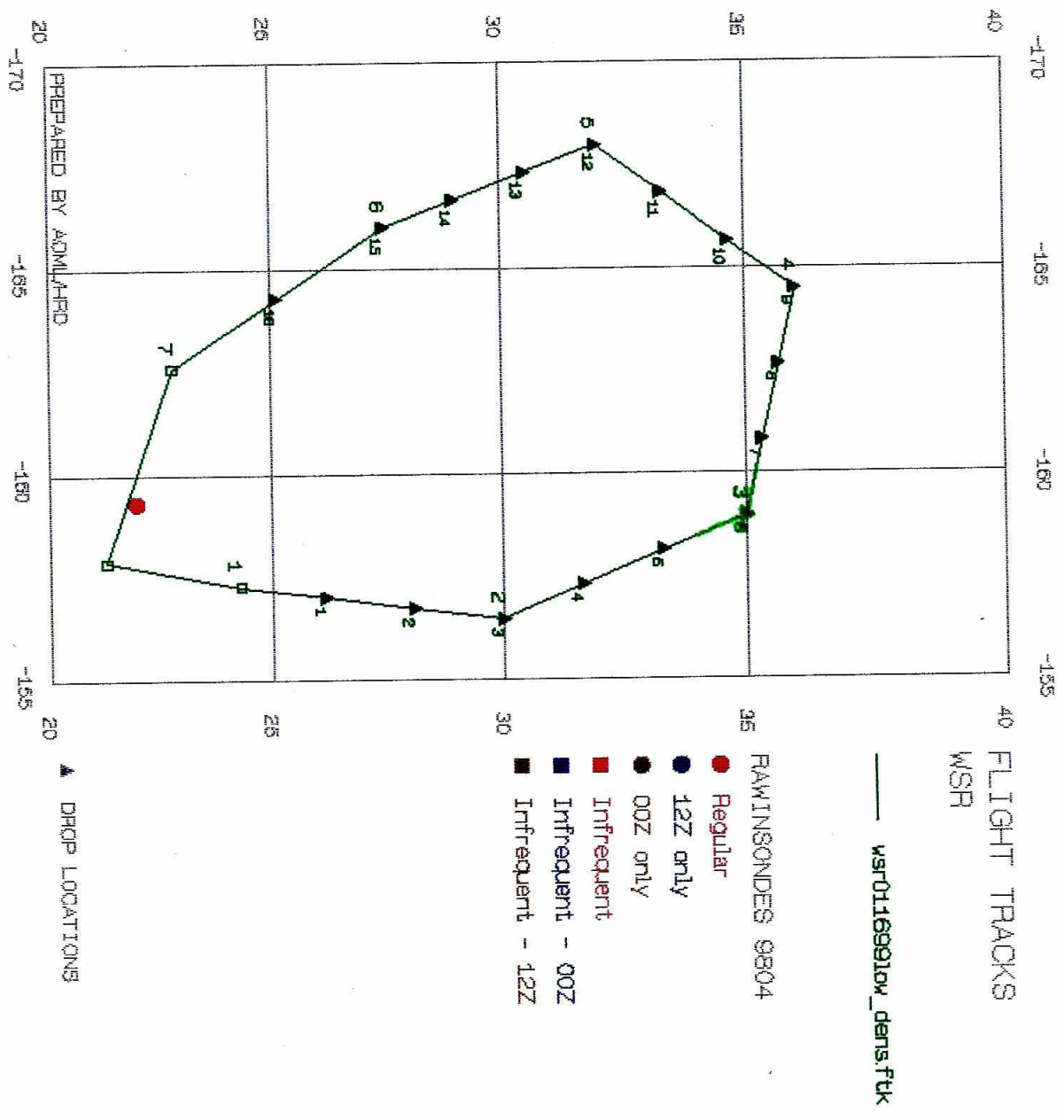
ALT 30,10 HNL
 1018.5 PSLM

231630 - Lost power in scientific system - RTB!!
 Xmt'd drops 1 thru 4 to OHC, all received.
 Dropped 7 dropsondes, 6 good. Last 2 not xmt'd due to power failure.

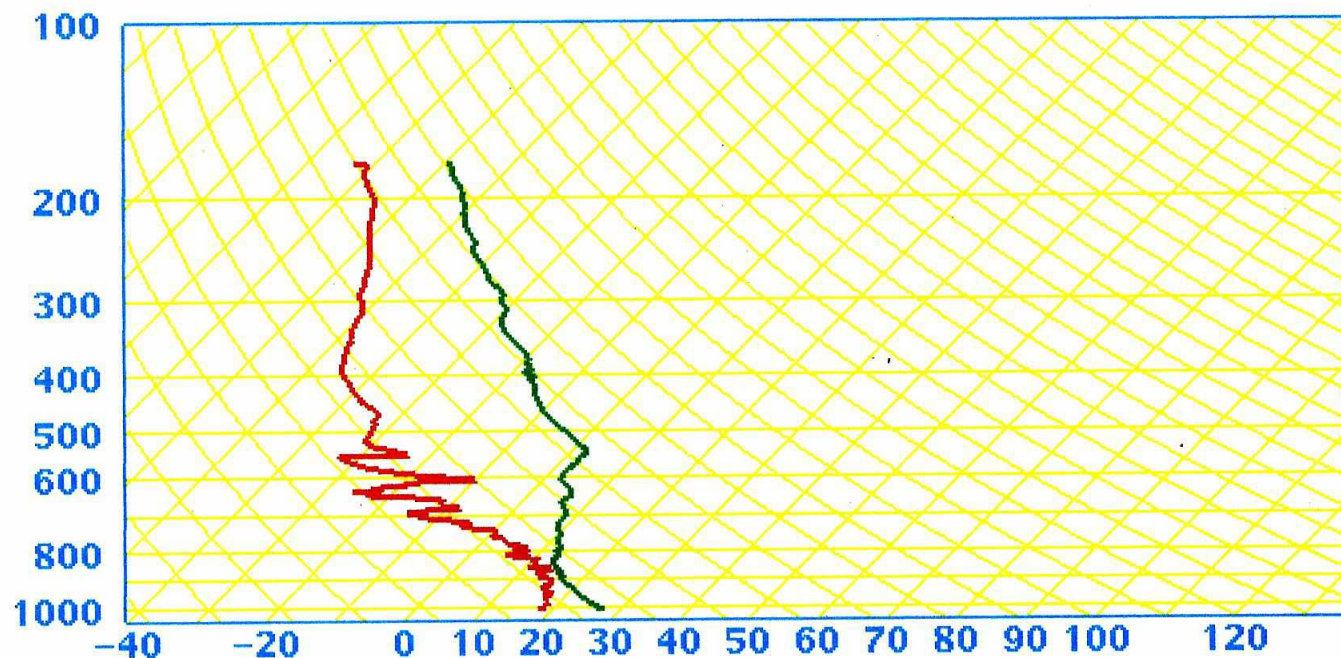
990116N W.S.A. #1

Time	LAT	LONG	TK	WD	WS	GA	PA	TA	TD	PS				
2139.20	24 54	157 12	07	300	25.2	13094	12575	-57.8	-65.9	175.3			LEVEL 41K CLR	
215048	26 14	157 01											Drop #1 Good	
2206 12	28 06	156 45		274	35.8			-60.0	35.7		SC LAYER BELOW		Drop #2 Good	
2214	29 06	156 6	69	271	40	12974	12572	-54	-67	175	BWD SC			
212145	30 00	156 32	350	268	49	12943	12572	-53	-66	175	SCT SC		Drop #3 Good	
223745	31 42	157 21	337	2625	56.8	12851							Drop #4 Bad Winds	
223856	31 48	157 24	337	269	55	12833	12568	-51	-64.8	175.5	SCT SC		Drop #4 Good 17.2	
224830	32 48	157 53	337	274	52	12773	12567	-53	-64	175.5	5/10 SCT SC			
225100	33 21	158 10	337	277	55	12750	12568	-53	-65.6	175.5	SCT SC		Drop 5 Good 16.7	
2304	34 21	158 40	337	280	52	12695	12563	-51.9	-65.3	175.0	SCT SC, CU			
231038	34 59	159 04	306.8	281	51	12661	12563	-56.9	-65	175.6	SCT CU		Drop 6 Good	
231630	LOST SCIENTIFIC POWER LOST LEFT SIDE GENERATOR													
	RETURNED TO BASE													

0137 ON
0142 IN



'skewt-1000' (winds@eiger) Proj. 425 Flt 2 01/16/99 21:41:59
21:02:15 to 21:41:59



ATX (-57.61 C)
DPXC (-70.87 C)

v. PSX (175.37 mbar)
v. PSX (175.37 mbar)

N49RF Winter Storms 99 / AVAPS DropSonde Log

N49RF Project: WINTER STORMS

Flight ID: 990116N

Mission: 1

Flight #: 2

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	984325195	5	2150	0	32	JAS	NEW CHUTE - NO FOAM	☒
2	984325479	6	2206	0	26	JAS		☒
3	984325276	7	2221	0	25	JAS		☒
4	984325191	8	2237	0	—	JAS	NO SAYS NO WINDS	BAD
5	984325215	5	2239	0	23	JAS		☒
6	983310184	6	2255	0.4	23	JAS	NO FOAM	☒
7	983310103	7	2310	0.5	42	JAS	DROP ABORTED AFTER LAUNCH	
8	984325216	8		0.5		JAS	NO DROP	
9								
10								
11								
12								
13								
14								
15								
16	AIRCRAFT POWER FAILURE - FLIGHT ABORTED							
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

7 NWS

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms 99 Project No. 425 Flight No. 2 Flight ID: 990116 N
 SED Crew: Pradas, Hornbrook, Smith, Carpenter Mission: #1
 Pre-Flight: 1935 Z Take-Off: 2101 Z Landing: Z

SYSTEM				Pre-Flight Check	In-Flight	Post-Flight	
N A V	IRS #1			DWC			
	IRS #2						
	IRS #3						
	GPS Honeywell #1						
	GPS Honeywell #2						
	GPS Collins					Off? ☒ <u>DWC</u>	
	Nose Radar -Collins					Off? ☐	
		Time	Temp °C	DWC		Time	Temp °C
	Temp #1	<u>2045</u>	<u>25.4</u>				
T	Temp #2	<u>1</u>	<u>28.8</u>				
E	Temp #3	<u>1</u>	<u>26.0</u>				
M	Temp #4	<u>1</u>	<u>30.8</u>				
P	DP Left	<u>1</u>	<u>18.7</u>		Cal. Time:		
	DP Right	<u>1</u>	<u>18.8</u>		Cal. Time:		
P	Attack Angle (ADCAOA)			DWC			
R	Slip Angle (BP/DBP)			DWC			
E	Differential (PQ1/PQ2)			DWC			
S	Absolute (PS1/PS2)			DWC			
S	Check Radome Press. Lines ☒			Date: <u>Jan 14 '99</u>			
S	DOWN PRT-5 ⇨ Open? ☐			<u>N/E</u>		Closed? ☐	
Y	MADS (WINDS/DISCWIN)			DWC		# DATs: <u>1</u>	
S	MADS Printer ⇨ Paper? ☒			DWC		Printer Power off? ☒ <u>DWC</u>	
T	MADS Cal. Date: <u>990115</u>			QC time: <u>2048</u>		QC time:	
E	WINDS ⇨ NET BCAST ☒			DWC			
M	HAPS System / Time set? ☐					# Msg.: # Fail:	
S	AVAPS System / Time set? ☒			<u>OK</u>			
	AVAPS Printer ⇨ Paper? ☒			DWC			
	Exterior Walk Around ☒			DWC			
	Inspect DropSonde Chute Bolts			<u>CFH</u>			
	Satcom (Flight Phone) ☒			DWC		Off CB? ☐	
	Call COMSAT? ☒ (*292#)			DWC			
M	FCU/UPS/CB			CB's Checked? ☒ <u>DWC</u>		UPS off? ☒ <u>DWC</u>	
I	AVAPS Sondes			# On Board: <u>48</u>	# Dropped: <u>7</u>	# Good: <u>5</u>	
S	AXBT			# On Board: <u>0</u>	# Dropped: <u>N/A</u>	# Good:	
C	APN-232			DWC			
	Modem Power On? ☒			DWC			

1	DAT Tape #1	On: <u>2042</u>	Type: <u>V-60</u>	Off: <u>2318 Z</u>
2	DAT Tape #2	On:	Type:	Off:
Comments: <u>lost left power converter about 2 1/2 hrs into flight - Aborted remainder of flight had to shut everything on scientific power down immed. Returned to Honolulu</u>				