

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

AOCWF1

Flt ID: 010130N	From: AIAL	To: AIAL
Flt No.: 01 - 013	Blk In: 0307	ATA: 0303
ETD: 202	Blk Out: 1942	ATD: 1953
ETE: 7.5	Blk Time: 7:25 (7.4)	Flt Time: 7:10 (7.2)
Sponsor Org: NCGP	Program: WSA-01	Purpose: Track 31

AOC Personnel

AC: McCann & Finke	Sys Eng: Smith & Hill
CP: Yates	Data Sys: McMillan
Nav:	Radar:
FE: K. Tson	GPS/BT: Lino
Avionics:	Cld Phys:
FD: Parrish	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Shepherd, M.	P.I.	ETL
Dorst, D. ✓	HAPS	ITAD (NOAA)
Hawston, S. ✓	Visitor	CPHC (NOAA)
Baerman, A. ✓	Visitor	UNH

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #) 3692 sat.

Fly Track 31. 16 drops. 17 NCGP (1 no winds). 8 SCAT-CAT.

1853Z First exercise of Ozone probe - indications were it worked fine.

060/8	0152Z
24/21	27/20
30.10	30.00
	070/11
25/18	03/9
1017.7	10/4
7517	26/17

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AOCWF2

Flt ID: 101 Time Off: 1:00 Time On: 1:15

A/C (Take Off)

Wx Stn (Take Off)

A/C (Land)

Wx Stn (Land)

Pressure

Number

Data Disposition/Date/Quality

Slow/Fast Flt Lvl Tapes

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

N49RF Winter 01 / AVAPS DropSonde Log

N49RF Project: WS2001

Flight ID: 010130N

Mission:

Flight #: 2

System Status: UP

[illegible]

Track 31 Drop Positions

21 19.0'N	157 33.5'W	PHNL
21 58.0'N	159 20.3'W	LIHUE
26 30.0'N	165 00.0'W	Drop 1
28 15.0'N	168 00.0'W	Drop 2
30 00.0'N	170 45.0'W	Drop 3
32 00.0'N	173 00.0'W	Drop 4
34 00.0'N	175 00.0'W	Drop 5
36 00.0'N	175 00.0'W	Drop 6
38 00.0'N	174 45.0'W	Drop 7
38 30.0'N	172 45.0'W	Drop 8
38 45.0'N	170 45.0'W	Drop 9
39 00.0'N	168 45.0'W	Drop 10
37 45.0'N	167 00.0'W	Drop 11
36 30.0'N	165 30.0'W	Drop 12
35 15.0'N	164 00.0'W	Drop 13
33 45.0'N	162 30.0'W	Drop 14
31 45.0'N	161 45.0'W	Drop 15
29 45.0'N	161 00.0'W	Drop 16
21 58.0'N	159 20.3'W	LIHUE
21 19.0'N	157 33.5'W	PHNL

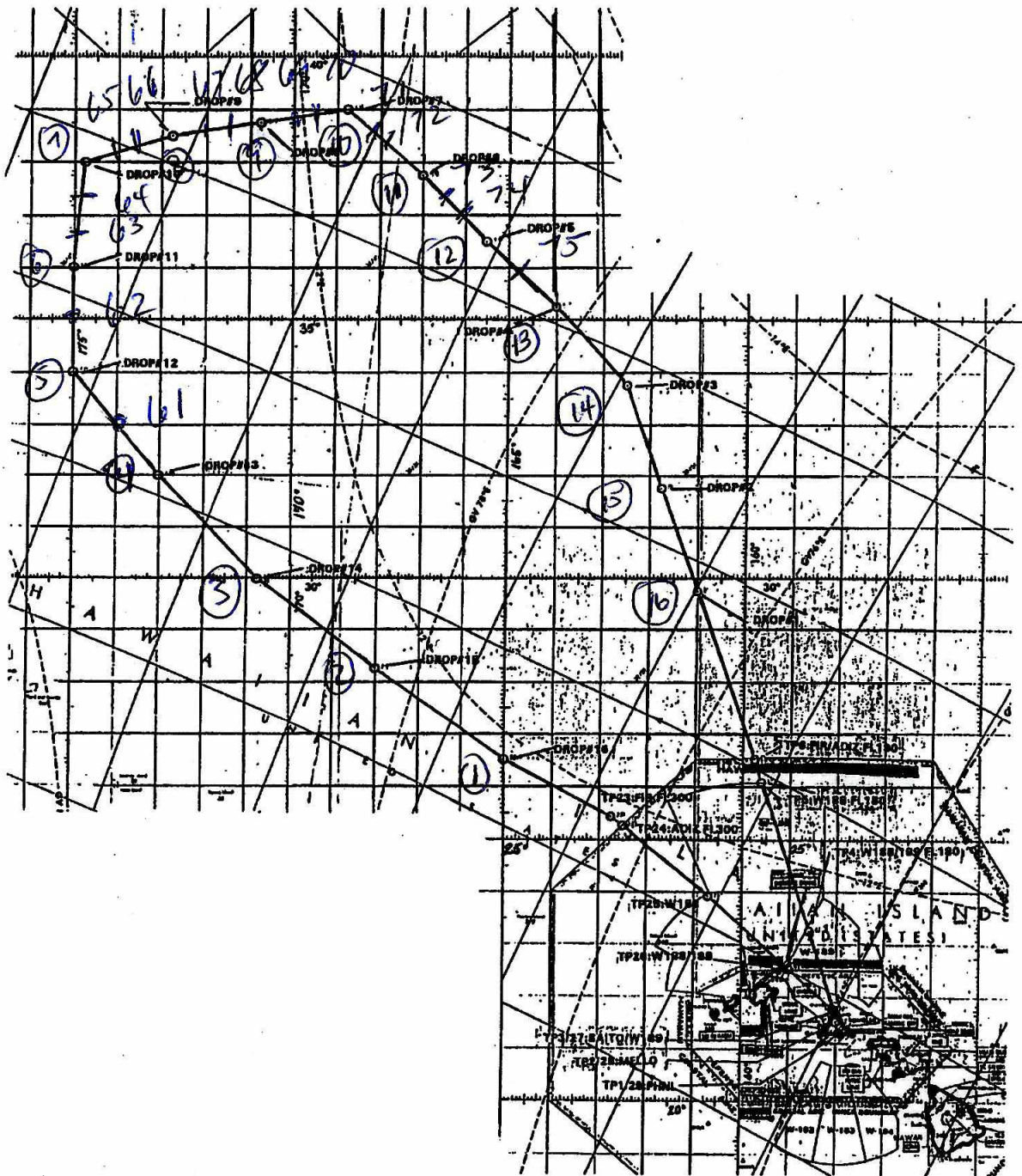


Figure H-1. Air Force Track WSRP31.

NOAA/AOC/SED N49RE Flight Performance log

Project Name: Winter Storms 2001 Project No. 101 Flight No. 2 Flight ID: 010130N
 SED Crew: Hill, McMillan, Lino Mission: Winter Storms 01
 Pre-Flight: 1900 Z Take-Off: 1953 Z Landing: 0302 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1	LAT, LON	✓			
	IRS #2	LAT, PSTR, LON, PSTR	✓			
	GPS Honeywell #1		✓			
	GPS Honeywell #2		✓			
	GPS Collins		✓		Off? ☒	
	Nose Radar - Collins		✓		Off? ☒	
T E M P		Time	Temp °C		Time	Temp °C
	Temp #1	1923	24.9	✓	0304	27.9
	Temp #2		20.3	✓		26.5
	Temp #3		24.9	✓		22.6
	Temp #4		31.5	✓		26.2
	DP Left		18.0	✓	Cal. Time: ?	17.1
	DP Right	✓	19.8	✓	Cal. Time: ?	17.5
P R E S	Attack Angle (ADCAOA)		✓			
	Slip Angle (BPx/DxPx)		✓			
	Differential (QC1/QC2)		✓			
	Absolute (PS1/PS2)		✓			
	Check Radome Press. Lines ☒		Date: 9/15/00			
S Y S T E M	Down Port ⇨ Open? ☒		NI		Closed? ☒ NI	
	MADS (WINDS/DISCWIN)		✓		# DATs: 1	
	MADS Printer1 ON⇨Paper? ☒		✓		Printer Power off? ☐	
	MADS Printer2 ON⇨Paper? ☒		✓		Printer Power off? ☐	
	HAPS System / Time set? ☒		✓		# Msg.: 16 # Fail: 8	
	AVAPS System		✓ STM			
	MADS Cal Date: 01/18/01		QC Time: 1941	Cal? ☐ Initial:	QC Time: 0303	
	Exterior Walk Around ☒		✓			
	Inspect DropSonde Chute Bolts		✓ STM			
M I S C	Satcom (Flight Phone) ☒		✓		Off CB? ☒	
	Call COMSAT? ☒ (*292#)		✓			
	FCU/UPS/CB		CB's Checked? ☒		UPS off? ☒	
	AVAPS Sondes		# On Board: 54	# Dropped: 25	# Good: 22	
	APN-232 Altimeter		✓			
	Modem Power On? ☒		✓			
	Additional Instrumentation: AL Ozone Data System and Inlet Probe System restart @ 2009		Inlet Cap Removed? ☒	After Takeoff	Computer OFF? ☒	
			L1 400Hz CB ON? ☒	Pump ON? ☒ 1958	L1 60Hz IP CB OFF? ☒	
			Probe Temp >= 40C? ☒	Before Landing	L1 400Hz CB OFF? ☒	
			After Engine Start	Pump OFF? ☒ 0250	Inlet Cap In place? ☒	
L1 60 Hz IP CB ON? ☒			Data xfer to zip disk? ☒			
		Computer ON? ☒				
1	DAT Tape #1		On: 1939	Type: 60M	Off: 0308	
Comments:						