

Flt ID: 020 02035N	From: PHNL	To: PHNL
Flt No.: 02-33	Blk In: 03 03242	ATA: 0317Z
ETD: 2000Z	Blk Out: 1948Z	ATD: 2003Z
ETE:	Blk Time: 7:36 (7.6)	Flt Time: 7:14 (7.2)
Sponsor Org: NCEP	Program: WINTER STORMS	Purpose: FLT #13 TRACK 32

AOC Personnel

AC: YATES	Sys Eng: GOLDSTEIN
CP: McCANN / POSTON	Data Sys:
Nav:	Radar:
FE: KITSON	GPS/BT: CARPENTER / SANS SOUCI
Avionics:	Cld Phys:
FD: DAMIANO	CZYZY PM

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DOMINGO, S	MEDIA	CH. 8 (NBC)

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

Ozone instrument did not work until 5 minutes after T/O.
 due to Windows NT failure. Drops 14-16 were further west due to
 being diverted around HOT warning by OAK center

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

AOCW/F2

Flt ID: 020305N	Time Off: 2003Z	Time On: 0317Z		
	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)
Pressure	1020.0	30.13	1017.3	30.05

	Number	Data Disposition/Date/Quality
Slow/Fast Flt Lvl Tapes	✓	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	19	15 good; 4 bad; 16 messages sent

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

24 30.05
16 (ND)~~1953 23 30.13~~
161953 23 30.13 T/O
16

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _s	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
203200	2408	15718	6	358	272	24	-53.5	-68.1	12487	12738	—	175.7	88.7	ABV SET AC
204800	2559	15446	345	338	268	20	-55.8	-69.0	12494	12702	—	175.7	89.4	ABV BKN/OVC AC
210000	2726	15811	345	341	293	15	-58.1	-70.4	12485	12667	—	175.8	87.2	ABV BKN/OVC AC
210500	2800	15821	345	341	303	15	-57.7	-71.3	12495	12666	—	175.8	90.7	BKN/OVC AC
210924	2830	15830	349	345	299	13	-61.3	-72.3	12486	12653	—	175.9	86.9	DROP (15)
212100	2950	15839	355	349	306	19	-64.2	-74.1	12494	12635	—	175.8	89.1	SCT AC
212859	3045	15845	355	350	314	18	-63.4	-75.3	12493	12626	—	175.9	88.7	DROP (13)
214914	3300	15900	350	344	307	26	-67.6	-76.7	12494	12596	—	175.8	88.7	DROP (13)
220826	3500	15945	340	336	311	25	-63.3	-74.9	12490	12559	—	175.9	88.2	DROP (16) BAD WINDS
221517	3542	16005	—	—	—	—	—	—	—	—	—	—	—	DROP (22)
222801	3700	16045	338	333	306	24	-62.8	-74.7	12495	12542	—	176.1	89.4	DROP (20)
224300	3834	16131	338	334	300	20	-61.3	-73.8	12491	12519	—	176.0	87.9	OVC CIR
225147	3930	16200	—	—	—	—	—	—	—	—	—	—	—	DROP LATE WINDS
225405	3939	16217	306	304	288	16	-60.5	-73.6	12492	12512	—	176.0	88.8	DROP (51)
231438	4100	16445	300	294	268	26	-60.3	-72.8	12488	12473	—	176.1	88.2	DROP (27)
233741	4154	16800	241	238	229	25	-56.3	-71.0	13050	12996	—	159.8	80.8	DROP (42)
234900	4046	16837	201	201	223	27	-57.1	-71.0	13052	13014	—	159.8	81.9	OVC ABV CIR
235632	4000	16900	201	202	222	25	-56.3	-70.9	13055	13019	—	159.7	80.8	DROP (20)
001555	3800	17000	190	192	225	23	-56.4	-70.5	13052	13040	—	159.7	80.3	DROP (31)
002600	3649	17000	180	183	238	23	-56.1	-70.2	13057	13076	—	159.6	80.9	CBR BCLW
003308	3600	17000	—	—	—	—	—	—	—	—	—	—	—	LATE WINDS BAD WINDS DROP (30)
003627	3537	17000	—	—	—	—	—	—	—	—	—	—	—	DROP (27)
005006	3400	17000	178	184	258	33	-57.3	-70.7	13053	13129	—	159.8	79.5	DROP (21)
010905	3145	16945	157	163	258	31	-61.9	-72.3	13053	13187	—	159.7	79.2	DROP (29)
012709	2945	16827	151	155	267	25	-62.3	-72.7	13054	13237	—	159.8	78.9	DROP (27)
014445	2745	16712	151	155	283	25	-62.3	-73.6	13060	13300	—	159.8	79.3	DROP (28)
020316	2535	16555	152	154	294	25	-59.7	-72.5	13058	13320	—	159.9	78.6	DROP (37)
023600	2218	16238	114	112	295	29	-58.7	-70.3	13067	13409	—	159.9	90.5	ABV AC/SC

N49RF AVAPS DropSonde Log

N49RF Project: Winter Storms 02 Flight ID 020305N

Mission: HNL → HNL Flight #: 13 System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	003 248 025	1	2109	.7	15	DWE	OK	✓
2	003 515 120	1	2129	0	13			✓
3	003 115 050	1	2149	.3	13			✓
4	003 475 083	1	2208	0	16		Lost winds	
5	003 515 110	2	2215	.3	25		Backup for drop #4	✓
6	003 515 113	1	2228	0	50		OK	✓
7	003 515 116	1	2251	0		D88	NO WINDS	
8	003 475 081	2	2254	.2	51		OK	✓
9	003 115 051	1	2314	.3	27		OK	✓
10	003 115 048	1	2337	.1	42		OK	✓
11	003 515 068	2	2356	0	20		OK	✓
12	003 475 004	1	0016	0	31		OK	✓
13	003 515 121	1	0033	0	30	ASG	INTERMITTENT WINDS	
14	003 515 112	2	0036	0	27	ASG	OK	✓
15	003 475 082	1	0050	0	21		OK	✓
16	003 515 114	2	0109	0	29		OK	✓
17	003 515 123	1	0127	0	27		OK	✓
18	003 475 006	2	0144	0	28		OK	✓
19	003 475 080	1	0203	0	37			
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

N49RF AOC GPS Dropwindsonde Log

Flight ID 020305N

Flight Director DAMIAND

Page 1 of

Mission ID WSWSC Storm TRAK 32CC

CARCAH 2156Z, 0120Z

Drop #	Altitude Sonde ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	003475005	210924	3045	15845	1025.4	BRN/ovc Sc	214902	2	—	2153
2	003515120	212859	3045	15845	1025.4	BRN/ovc Sc	214902	2	—	2153
3	003475083	220826	3500	15945	1023.1	ovc Sc	WINDS FAZL 0350 214902	3	—	2217
4	003475083	220826	3500	15945	1023.1	ovc Sc	WINDS FAZL 0350 214902	4	—	2237
5	003515113	222801	3700	16045	1020.6	CLR	224531	5	—	2250
6	003475081	225405	3939	16217	1017.8	ovc CTR	214902	6	—	2318
7	003475081	225405	3939	16217	1017.8	ovc CTR	214902	7	—	2346
8	003475081	225405	3939	16217	1017.8	ovc CTR	214902	8	—	2346
9	003475081	225405	3939	16217	1017.8	ovc CTR	214902	9	—	2346
10	003475081	225405	3939	16217	1017.8	ovc CTR	214902	10	—	2346
11	003475081	225405	3939	16217	1017.8	ovc CTR	214902	11	—	2346
12	003475081	225405	3939	16217	1017.8	ovc CTR	214902	12	—	2346
13	003475081	225405	3939	16217	1017.8	ovc CTR	214902	13	—	2346
14	003475081	225405	3939	16217	1017.8	ovc CTR	214902	14	—	2346
15	003475081	225405	3939	16217	1017.8	ovc CTR	214902	15	—	2346
16	003475081	225405	3939	16217	1017.8	ovc CTR	214902	16	—	2346
17	003475081	225405	3939	16217	1017.8	ovc CTR	214902	17	—	2346
18	003475081	225405	3939	16217	1017.8	ovc CTR	214902	18	—	2346
19	003475081	225405	3939	16217	1017.8	ovc CTR	214902	19	—	2346

March 5, 2002

NOAA49 Winter Storms Reconnaissance Modified Track 32 CC (Counter Clockwise)

PHNL	21 19.0N	157 55.6W
MAGGI	21 50.4N	156 57.9W
ZIGIE	24 18.8N	157 17.1W

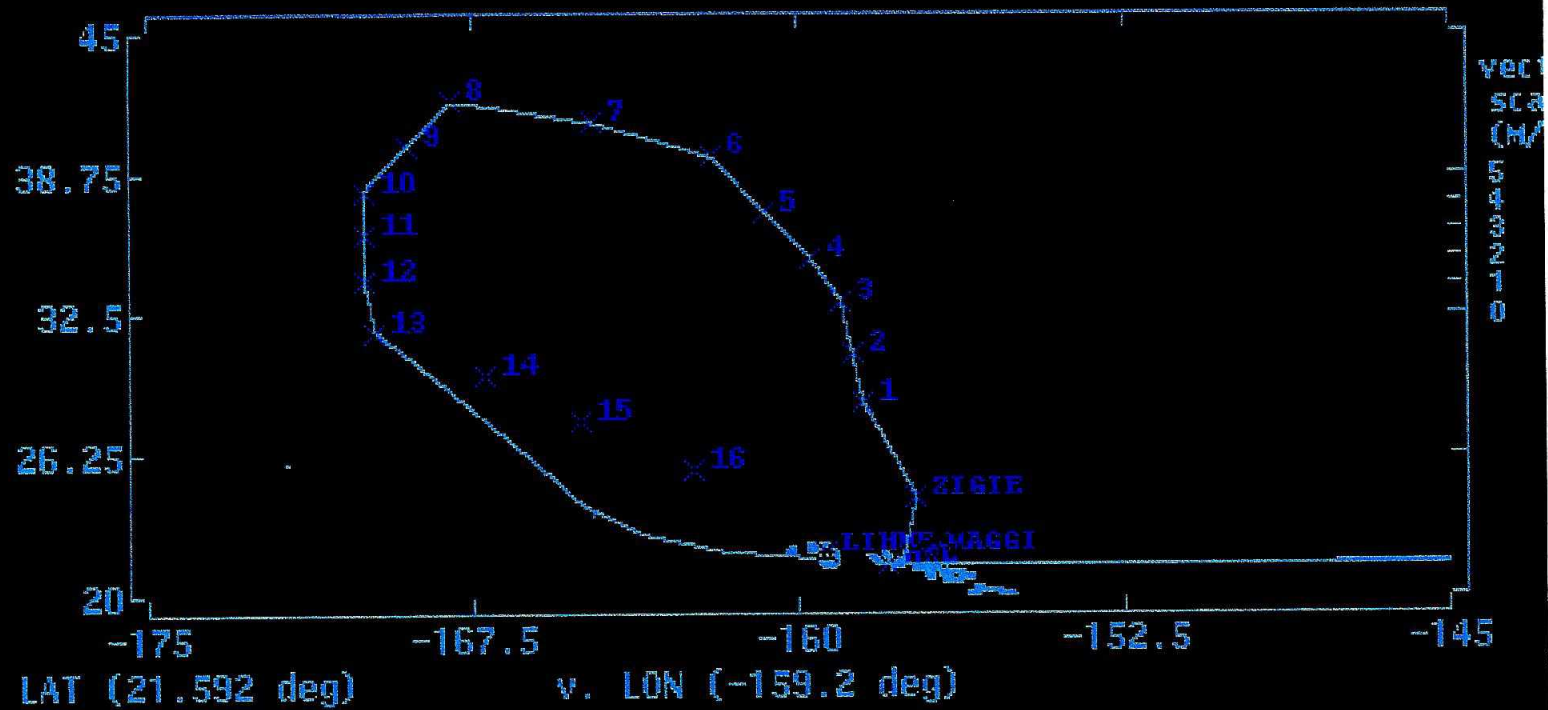
Drop 1	28 30N	158 30W	Turn 1, First Drop	1023
Drop 2	30 45N	158 45W		1025
Drop 3	35 00N	159 00W	Turn 2	1023
Drop 4	35 00N	159 45W	Turn 3	1022
Drop 5	37 00N	160 45W		1019
Drop 6	39 30N	162 00W	Turn 4	1016
Drop 7	41 00N	164 45W	Turn 5	1008
Drop 8	42 00N	168 00W	Turn 6	1006
Drop 9	40 00N	169 00W		1005
Drop 10	38 00N	170 00W	Turn 7	1006
Drop 11	36 00N	170 00W		1006
Drop 12	34 00N	170 00W		1008
Drop 13	31 45N	169 45W	Turn 8	1013
Drop 14	29 45N	167 15W	168 27	1017
Drop 15	27 45N	165 00W	167 12	1018
Drop 16	25 35N	162 25W	Turn 9, Last Drop	1018

SIVAD		
THOMA	23 56.6N	160 45.8W
PHNL	21 19.0N	157 55.6W

LAST REPORT

Removable

19:23:36 to 02:58:3



NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: WS2002 Project No. 201 Flight No. RF13 Flight ID: 020305NSED Crew: ASC, SANSOURI, CARPENTER

Mission: _____

Pre-Flight: 1900

Z

Take-Off: 2002

Z

Landing: 0317

Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1		✓ ASC			
	IRS #2		ASC			
	GPS Honeywell #1		ASC			
	GPS Honeywell #2		ASC			
	GPS Collins		ASC FM 1		Off? ☒ OFF	
Nose Radar - Collins				Off? ☒ OFF		
T E M P / D P	Temp #1	1927	23.1	ASC		
	Temp #2		24.1			
	Temp #3		23.1			
	Temp #4		23.5			
	DP Left		15.4		Cal. Time:	
	DP Right	✓	15.8	✓	Cal. Time:	
	CRYO			NI		
P R E S S	Attack Angle (ADCAOA)		ASC			
	Angle of Attack (APx, DAPx)		ASC			
	Sideslip (BPx, DBPx)		ASC			
	Static Pressure (PS1M, PS2M)		ASC			
	Dynamic Pressure (QCxM)		ASC			
	Radome Press. Lines		Checked? ☒ Date: 1/25/02			
S Y S T E M S	SATCOM (Flight Phone) ☒		OFF		Off CB? ☒	
	Call COMSAT? ☒ (*292#)		CB's Checked? ☒			
	Iridium Phone		ON? ☒ OFF		OFF? ☒	
	FCU/UPS/CB		ASC		UPS off? ☒	
	MADS (WINDS/DISCWIN)		①		# DATs: 1	
	Printer 1 (Ip1)		Power? ☒ Paper? ☒ DMC		Printer Power off? ☒	
	MADS Cal. Date:		QC time: 1944		QC time: 0318	
	HAPS System		Time set? ☐		# Msg.: # Fail:	
	AVAPS System		DWC	②		
	Exterior Walk Around ☒		DMC			
	Inspect Drop Sonde Chute Bolts		DWC			
M I S C	Down Port Door (Ozone Inst.)		Cover OFF? ☒ DWC		Cover ON? ☒ OFF	
	AVAPS Sondes		# On Board: 53	# Dropped: 19	# Good: 16	
	Sci. Power Monitor		OFF			
	APN-232 Altimeter		ASC			
	Modem		Power On? ☒ DWC			
	Additional Instrumentation:		L1 60Hz IP CB ON? ☒	After Take Off	L1 60Hz IP CB OFF? ☒	
	AL Ozone Data System		L1 400Hz CB ON? ☒	L1 Pump Switch ON? ☒	L1 400Hz CB OFF? ☒	
			Computer ON? ☒		Computer OFF? ☒	
Crew Responsibilities Assigned			✓			

1	DAT Tape #1	On: 1942	Type: 60M	Off: 0325
	Comments:			

Please Note Any Discrepancies

[illegible]