

Flt ID: 020227N	From: PANC	To: PHNL
Flt No.: 02-032	Blk In: 0303Z	ATA: 0257Z
ETD: 2000Z	Blk Out: 1944Z	ATD: 1953Z
ETE:	Blk Time: 7:19 (7.3)	Flt Time: 7:04 (7.1)
Sponsor Org: NCEP	Program: WINTER STORMS	Purpose: FERRY TO HAWAII MISSION ENROUTE FLT #12

AOC Personnel

AC: VATES	Sys Eng:
CP: MCCANN/POSTON	Data Sys: HORNBECK
Nav:	Radar:
FE: KITSON/ROTTEVEEL	GPS/BT: CARPENTER / SANC SOUCI
Avionics:	Cld Phys:
FD: DAMIANO	PARRISH

PARTICIPATING PERSONNEL

Name (Last, First)	Activity on Aircraft	Affiliation
SHAPIRO, M	DBS	NOAA/ETL

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

use INEI for post flt processing

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

ACCWF2

Flt ID: 020227N Time Off: 1953Z Time On: 0257Z

	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)
Pressure	1019.2	30.21	1015.6	30.00 29.99

	Number	Data Disposition/Date/Quality
Slow/Fast Fit Lvl Tapes	1	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	28	18 NCEP; 10 MEL; 3 bad; 25 messenger sent

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

Remarks

24 DA CND PHNL
13 DP

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _s	Press. Alt.	Geo. Alt.	Sic Press.	Press. Sic	Dyn. Press	Remarks
201600	5913	14949	182	188	229	37	-56.2	-71.1	11900	11626	—	193.9	97.3	ABV OVC CIR
202700	5800	14955	182	186	222	30	-59.7	-72.8	11901	11665	—	194.0	97.5	ABV BKN CIR
203619	5700	15000	214	215	223	25	-62.5	-73.9	11897	11692	—	194.1	95.3	DROP (24)
204715	5606	15133												NO WINDS DROP MEL
205840	5512	15259	221	219	216	34	-59.2	-72.7	11903	11689	—	194.1	97.5	DROP (22)
2110	54	154					NO LAMCH DETECT				BAD			DROP MEL
211119	5411	15430												DROP MEL (19)
212124	5324	15537					NO WINDS (LATE)							DROP
212253	5315	15548												DROP (32)
213235	5230	15649	218	215	205	41	-56.1	-71.0	11900	11655	—	194.1	96.0	DROP MEL (63)
214336	5136	15757	217	215	210	37	-55.4	-70.6	11903	11658	—	194.1	97.4	DROP (20)
215413	5043	15901	216	214	208	39	-50.1	-69.0	11905	11638	—	194.1	97.7	DROP MEL (51)
220509	4948	16004	216	214	214	38	-50.2	-67.2	11903	11633	—	194.1	98.4	DROP (21)
221617	4852	16106	215	214	214	39	-50.6	-68.1	11903	11630	—	194.1	98.3	DROP MEL (17)
222611	4800	16200	170	—	213	39	-50.4	-67.5	11900	11672	—	194.1	96.9	DROP (22)
223445	4711	16103	143	20	209		-51.3	-67.1						DROP MEL (28)
224437	4615	16002	143		224		-52.4	-67.8						DROP (29)
225334	4523	15907	144	152	225	40	-53.5	-67.7	12487	12423	—	176.2	88.1	DROP MEL (38)
230235	4430	15814	144		229		-53.4	-68.6		NO WINDS		LATE		DROP
230412	4421	15804	145		232		-53.9	-68.7						DROP (11)
231103	4340	15725	145											DROP MEL (27)
231956	4245	15634	146	155	243	41	-57.5	-69.1	12485	12563	—	176.0	87.8	DROP (15)
232839	4151	15545												DROP MEL (26)
233638	4100	15500	214	220	260	29	-58.8	-71.4	12488	12643	—	176.1	88.1	DROP (14)
235643	3930	15712												DROP (20)
001659	3800	15915	227	231	265	38	-54.4	-69.9	12487	12692	—	176.1	89.3	DROP (19)
002800	3711	16020	225	232	270	41	-53.1	-69.2	12487	12701	—	176.1	88.4	ABV CIR OVC
003715	3630	16111	225	229	253	42	-54.9	-69.9	13053	13331	—	159.7	80.5	DROP (18)
005754	3500	16300	175	183	257	44	-56.0	-70.4	13052	13354	—	159.8	80.5	DROP (14)
011827	3230	16227	170	179	270	44	-56.4	-70.3	13058	13446	—	159.7	81.7	DROP (25)
013824	3000	16156	170	178	275	36	-57.5	-70.8	13058	13507	—	159.8	79.9	DROP (42)
021300	2513	16100	171	174	310	35	-60.8	-70.9	13067	13611	—	159.9	95.1	SCT AC BLW

Turn day start

N49RF AVAPS DropSonde Log

N49RF Project: Winter Storms 02 Flight ID 020227N

Mission: AK → HI Flight #: 12 System Status: _____

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
#1	003 248 034	1	2036	0	34	DWC	OK	✓
MEL 12	003 115 419	2	2047	.3	—		No winds	
3 rd	003 338 162	3	2058	.3	27		OK	✓
MEL 24	003 248 023	1	2110	0	—		No telemetry or launch detect	
MEL 8/5 th	003 515 252	2	2111	0	19		OK	✓
MEL 26 th	003 148 176	3	2121	.3	—		Late winds	
37 th	003 347 013	4	2122	.5	32		OK	✓
MEL 38	003 148 175	1	2132	.7	60			✓
9 th	003 248 085	2	2143	.3	20			✓
MEL 410	003 115 120	3	2154	.4	51			✓
11 th	003 115 416	1	2205	.3	21			✓
MEL 512	003 438 030	2	2216	.3	17			✓
13 th	003 148 128	3	2226	0	22			✓
MEL 614	003 248 038	1	2234	0	75		Late winds / Lost winds	
15 th	003 475 011	2	2244	0	29		OK	✓
MEL 16	003 148 167	3	2253	.4	38			✓
17 th	003 248 026	1	2302	.4	—		No winds / Late	
MEL 18 th	003 148 178	2	2304	.3	11		NEEP #8 Backup - OK	✓
MEL 819	003 148 174	4	2311	0	27		OK	✓
120 th	003 148 179	3	2319	0	15			✓
MEL 121	003 475 049	1	2328	0	26			✓
22 th	003 338 160	2	2336	.5	14			✓
23 th	003 115 391	1	2356	.4	20			✓
24 th	003 148 127	2	0016	.6	19			✓
25 th	003 135 160	1	0037	0	18			✓
26 th	003 135 103	2	0057	0	14			✓
27 th	003 148 110	1	0118	0	25			✓
28 th	003 148 099	2	0138	0	42			✓
29	003 248 025	1		0				
30								
31								
32								
33								

N49RF AOC GPS Dropwindsonde Log

Flight ID 020227N

Flight Director 1) AMANDA

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Mission ID WSWS C

Storm TRANSIT

- (P) - (8)

2211Z CALL SIGN

Drop #	Altitude Sonde ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	00348034	203619	5700	15600	1022.8	OVC CIR	NO WINDS RH?	1	—	2055
2	00315419	204715	5606	15133		OVC CIR	MEL NO WINDS RH? 211526	2	—	2127
3	00333812	205840	5512	15259	1006.1	THN OVC / C6	211526	3	—	2127
4	003248023	2110	5417	15421		NO LAMEN DETECT	MEL LATE	—	—	—
5	003515252	211129	5411	15430			MEL 213224	4	—	2142
6	003148176	212124	5324	15537		OVC CIR / AC	KATE WINDS	5	—	2142
7	003475018	212253	5325	15548		OVC CIR / AC	213229	—	—	2142
8	003148175	213235	5230	15649	993.5	OVC AC	MEL 215938	6	—	2209
9	003248065	214336	5136	15727	994.4	BKN AC 5/8	215949	7	—	2209
10	00315120	215413	5043	15901	1000.4	BKN AC	MEL 221921	8	1	2229
11	00315416	220509	4948	16004	1005.9	BKN AC	221938	9	1	2229
12	003438030	221617	4852	16106	1010.1	BKN AC 5/8	MEL 224658	10	—	2252
13	003148128	222611	4800	16154	1013.8	BKN AC 5/8	224718	11	—	2252
14	003248038	223445	4711	16103	1016.3	BKN AC 5/8	MEL 225418	12	—	2258
15	003475011	224457	4615	16202	1018.1	BKN AC 4/8	225425	13	1	2318
16	003148167	225334	4523	15907		THN CIR AC 4/8	MEL 223308	14	—	2328
17	003248026	230235	4430	15814	1019.1	THN CIR BELOW	NO WINDS	15	—	2328
18	003148178	230412	4421	15864	1019.2	THN CIR AC OVC	BRUP 232327	15	—	2328
19	003148174	231103	4340	15925	1017.3	THN CIR AC	MEL 233919	16	1	0004
20	003148179	231956	4245	15634	1020.5	—	233944	17	1	0004
21	003175049	232839	4151	15545		OVC C6 / CIR	MEL 000258	18	—	0006
22	003338160	233638	4100	15506	1024.2	OVC CIR / C8	000323	19	—	0006
23	003153911	235643	3930	15712	1022.1	OVC CIR	002039	20	—	0025

Flight ID 020227N

DAMIANO

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Storm TRANSIT

[illegible]

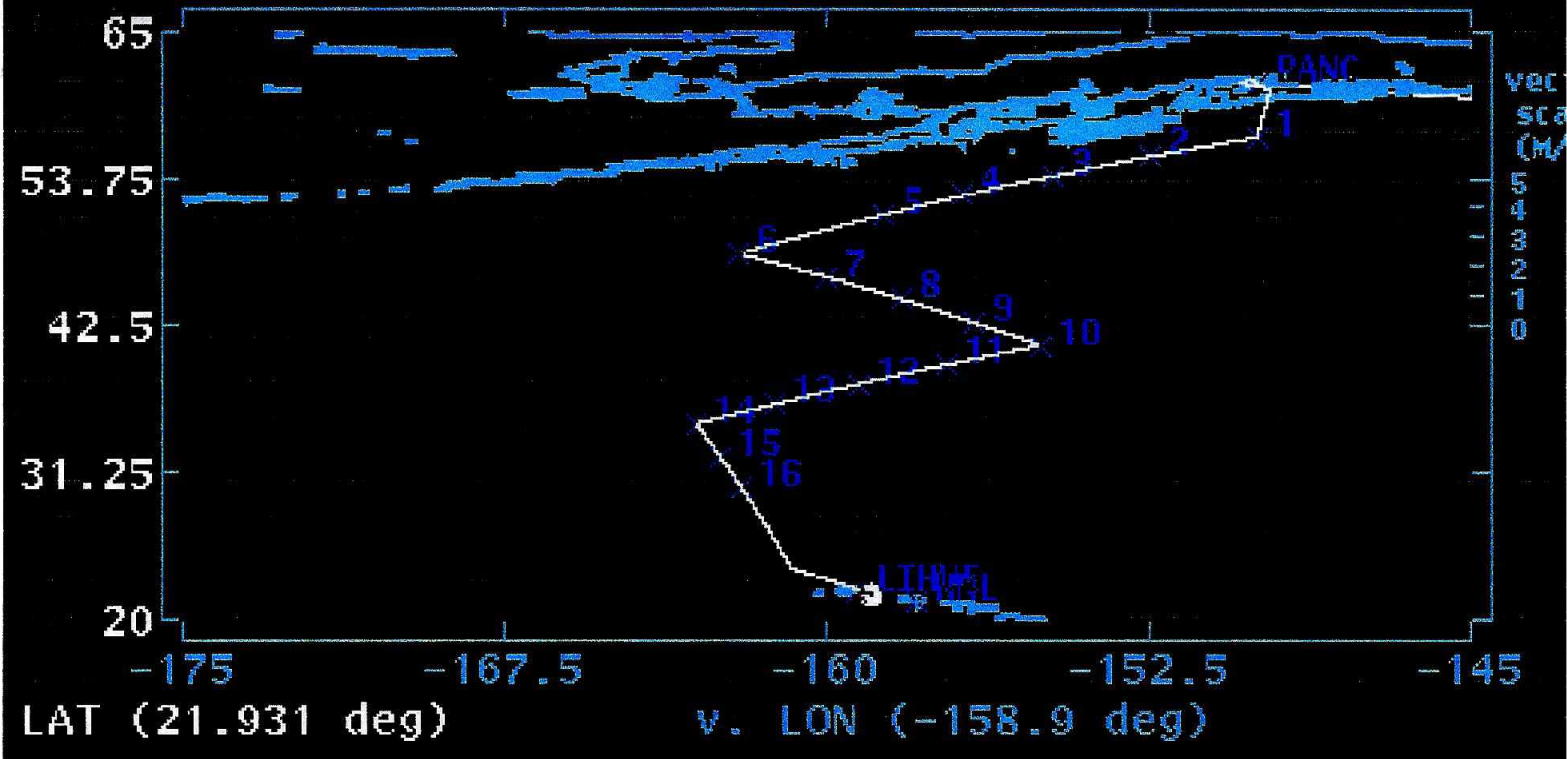
17018

Flight Track for Feb. 27, 2002 Alaska to Hawaii

WSWSC TRANSIT

57° 00' N	150° 00' W	1015	MEL
55° 12' N	152° 39' W	1007	
53° 24' N	154° 46' W	1002	155° 37'
51° 36' N	156° 49' W	996	157° 57'
49° 48' N	158° 41' W	1000	160° 04'
48° 00' N	162° 00' W	1015	
46° 15' N	160° 02' W	1016	
44° 30' N	158° 14' W	1017	mmmm
42° 45' N	156° 34' W	1019	MEL
41° 00' N	155° 00' W	1023	
39° 30' N	157° 12' W	1021	
38° 00' N	159° 15' W	1020	
36° 30' N	161° 11' W	1018	
35° 00' N	163° 00' W	1017	
32° 30' N	162° 27' W	1019	
30° 00' N	161° 58' W	1021	

19:07:02 to 02:40:4



NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: WS2002 Project No. 201 Flight No. RF12 Flight ID: 022702NSED Crew: Corp. Hornbrow, SMM Souci Mission: _____Pre-Flight: 1900 Z Take-Off: 1952 Z Landing: 0257 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check
N A V	IRS #1		cfh		
	IRS #2				
	GPS Honeywell #1				
	GPS Honeywell #2				
	GPS Collins				Off? ☒
	Nose Radar - Collins				Off? ☒
T E M P / D P	Temp #1	Time: <u>1909</u> Temp: <u>5.2</u>	cfh		Time: <u>1</u> Temp: <u>1</u>
	Temp #2	<u>1</u> <u>4.1</u>			
	Temp #3	<u>1</u> <u>4.2</u>			
	Temp #4	<u>1</u> <u>4.5</u>			
	DP Left	<u>1</u> <u>-11.0</u>		Cal. Time:	
	DP Right	<u>1</u> <u>-11.32</u>		Cal. Time:	
	CRYO	<u>1</u> <u>NJ</u>			
P R E S S	Attack Angle (ADCAOA)		cfh		
	Angle of Attack (APx, DAPx)				
	Sideslip (BPx, DBPx)				
	Static Pressure (PS1M, PS2M)				
	Dynamic Pressure (QCxM)				
	Radome Press. Lines	Checked? ☒ Date: <u>1/2/02</u>			
S Y S T E M S	SATCOM (Flight Phone) ☒				Off CB? ☒
	Call COMSAT? ☒ (*292#)	CB's Checked? ☒			
	Iridium Phone	ON? ☒			OFF? ☒
	FCU/UPS/CB				UPS off? ☒
	MADS (WINDS/DISCWIN)				# DATs: <u>1</u>
	Printer 1 (lp1)	Power? ☒ Paper? ☒			Printer Power off? ☒
	MADS Cal. Date:	QC time: <u>1941</u>			QC time: <u>0258</u>
	HAPS System	Time set? ☐			# Msg.: <u>1</u> # Fail: <u>0</u>
	AVAPS System				
M I S C	Exterior Walk Around ☒		cfh		
	Inspect Drop Sonde Chute Bolts				
M I S C	Down Port Door (Ozone Inst.)	Cover OFF? ☒			Cover ON? ☐
	AVAPS Sondes	# On Board: <u>67</u>	# Dropped: <u>28</u>		# Good: <u>23</u>
	Sci. Power Monitor				
	APN-232 Altimeter				
	Modem	Power On? ☒			
	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	<u>1</u>			

1	DAT Tape #1	On: <u>1940</u>	Type: <u>GOM</u>	Off: <u>0303</u>
	Comments:			