

Flt ID: 020307N	From: PANC	To: PHNL
Flt No.: 02-35	Blk In: 0358Z	ATA: 0354Z
ETD: 2000Z	Blk Out: 2015Z	ATD: 2022Z
ETE:	Blk Time: 7:43 (7.7)	Flt Time: 7:32 (7.5)
Sponsor Org: NCEP	Program: WINTER STORMS	Purpose: PANC → PHNL FLT #15

AOC Personnel

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

Participating Scientists Also Add

[illegible][illegible]

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #)
T/O delayed due to needing 2 fuel tanks + ATC losing our clearance

Bad winds 004800Z - 0050Z

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

AOC-WF2

Flt ID: 020307N Time Off: 2022 Time On: 0354Z

A/C (Take Off)

Wx Stn (Take Off)

A/C (Land)

Wx Stn (Land)

Pressure

1021.0

30.28

1017.1

30.02

Number

Data Disposition/Date/Quality

Slow/Fast Flt Lvl Tapes

1

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes

22

18 good; 4 bad; 19 messages sent

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

230/06

03Z

26

30.02

10 sm

2000

6000 ft

2ND

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _c	Press. Alt.	Geo. Alt.	Slc Press.	Press. Slc	Dyn. Press	Remarks
204800	5841	15211	197	197	314	5	-49.9	-66.3	11903	11547	—	194.0	97.5	SC BLW/CLR
210500	5636	15323	197	196	308	1	-49.1	-66.5	11906	11563	—	194.0	97.1	SC BLW/CLR
211008	5600	15342	198	197	218	1	-50.1	-66.9	11903	11557	—	194.0	96.7	DROP (29)
212300	5429	15435	198	197	114	2	-50.4	-67.6	11909	11564	—	194.1	101.2	OVC CLR
213000	5340	15503	198	196	131	4	-48.5	-67.4	11907	11556	—	194.0	98.0	DROP (10)
214100	5222	15543	198	195	147	10	-47.4	-65.7	11906	11549	—	193.9	98.8	SCT SC
214952	5120	15614	197	194	129	9	-46.6	-65.1	11904	11549	—	194.0	97.3	DROP (49)
220906	4900	15719	196	195	280	2	-43.4	-63.5	11901	11525	—	194.0	96.4	DROP (20)
222200	4726	15759	195	195	249	5	-43.7	-63.2	11900	11532	—	194.0	97.4	BKN SC
222746	4644	15816	—	—	—	—	—	—	—	—	—	—	—	DROP (11)
224200	4502	15855	195	196	253	9	-45.5	-63.6	11901	11547	—	193.9	97.4	BKN AC
224750	4420	15911	195	196	259	11	-45.5	-63.6	11903	11557	—	193.9	97.9	DROP (30)
230639	4203	15952	105	—	289	18	-46.4	-64.2	11901	11596	—	193.9	97.9	DROP (12)
231445	—	—	—	—	—	—	—	—	—	—	—	—	—	CLIMB
232401	4208	15643	89	88	245	18	-46.9	-64.6	12472	12200	—	176.0	85.2	DROP (15)
234156	4211	15330	90	94	230	28	-48.4	-65.5	12486	12263	—	175.9	88.4	DROP (20)
2348	—	—	—	—	—	—	—	—	—	—	—	—	—	LT TURB
235952	4208	15018	92	98	221	38	-54.2	-68.2	12488	12372	—	175.9	89.3	DROP (29)
001707	4155	14707	—	—	—	—	—	—	—	—	(SENT)	—	—	DROP (25)
002202	4126	14721	—	—	—	—	—	NO WINDS	—	—	(BAD)	—	—	DROP
003619	4000	14821	203	209	248	38	-55.4	-69.9	13049	13015	—	159.8	79.9	DROP (23)
004700	3855	14846	—	—	—	—	—	—	—	—	—	—	—	OVC CB
005200	3826	14901	203	208	246	39	-55.5	-69.9	13051	13046	—	159.8	79.7	OVC CB/CLR
005626	3800	14915	203	208	249	39	-56.2	-70.0	13056	13055	—	159.7	80.1	DROP (14)
001632	3600	15017	203	208	248	37	-56.0	-70.4	13057	13121	—	159.8	80.7	DROP (60)
013625	3400	15116	202	208	251	39	-57.5	-71.5	13062	13191	—	159.8	81.1	DROP (60)
013822	3348	15121	—	—	—	—	—	—	—	—	—	—	—	DROP (18)
015513	3200	15212	—	—	—	—	—	—	—	—	—	—	—	DROP (18)
015836	3137	15222	—	—	—	—	—	—	—	—	—	—	—	DROP (36)
021453	3000	15305	200	—	—	—	-61.4	-72.9	—	—	—	145.1	—	DROP (40)
0230	—	—	—	—	—	—	—	—	—	—	—	—	—	MDT TURB
023356	2800	15355	200	210	274	46	-63.6	-74.2	13614	13938	—	145.2	67.6	DROP (22)
024350	—	—	—	—	—	—	—	—	—	—	—	—	—	MDT TURB
025352	2600	15444	200	215	275	62	-68.2	-76.9	13618	13990	—	145.2	69.4	DROP (24)

N49RF AVAPS DropSonde Log

N49RF Project: Winter Storms 02 Flight ID 020307N

Mission: ANC → HNL Flight #: 15 System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	003 475 020	1	2110	0	24	DWC		✓
2	011 245 401	1	2130	.3	11			✓
3	011 245 397	1	2149	.3	48			✓
4	011 345 018	1	2209	.4	20			✓
5	003 338 164	1	2227	.7	11			✓
6	011 345 014	1	2247	.3	33	↓		✓
7	011 345 019	2	2307	.5	18	DSS		✓
8	011 345 009	1	2324	.4	15			✓
9	011 345 012	2	2341	.1	20			✓
10	011 345 010	1	2359	.2	29			✓
11	003 338 169	2	0017	.3	25		1st FALL LOST WINDS	
12	011 345 011	1	0022	.1	—		NO WINDS 5/5 SATS	
13	011 345 017	3	0036	.2	23			✓
14	011 245 395	1	0056	.3	24	ASG		✓
15	011 245 400	1	0116	.3	56		LOST WINDS @ 441 mBar	
16	011 345 015	1	0136	.3	60		LATE WINDS	
17	011 345 016	2	0138	.3	40			✓
18	011 245 394	1	0155	.5	18		VERY INTERMITTENT WINDS	
19	011 245 230	2	0158	0	36		INTERMITTENT WINDS	
20	003 825 037	1,5	0214	0	38			✓
21	011 245 231	1	0233	.4	22			✓
22	003 475 051	1	0253	0	24	↓		✓
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

* LOOK AT PI DATA ON THESE DROPS

N49RF AOC GPS Dropwindsonde Log

Flight ID 020307N

Flight Director DAMIANO

Page 1 of 1

Mission ID WSWSC

Storm TRANSIT

2221 called CARCAH

Drop #	Source ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX cond.	Comments	OB #	SatComm Failures	Sent Time
1	011245000	214908	53°40'	155°03'	1010.9	OVC CIR	214943	2	—	2155
2	011245401	213000	53°40'	155°03'	1010.9	OVC CIR	214943	2	—	2155
3	011245399	214952	53°40'	155°03'	1008.6	THN CIR / CLR	223837	3	—	2233
4	011345018	220906	49°00'	157°19'	1008.8	THN CIR / CLR	223837	4	—	2233
5	011345014	224750	44°20'	159°11'	1008.9	THN CIR / CLR	231004	6	—	2316
6	011345017	230239	42°08'	150°15'	1008.3	OVC CIR	002503	10	—	0030
7	011345009	232401	42°08'	156°43'	1007.8	BNK CA TRN CIR	234601	8	—	2350
8	011345012	234156	42°11'	153°30'	1010.5	BNK CA TRN CIR	000254	9	—	0007
9	011345010	235952	42°08'	150°15'	1008.3	OVC CIR	002503	10	—	0030
10	011345011	002202	41°26'	147°21'	1011.5	OVC CIR	000254	11	—	0044
11	011345017	002619	40°00'	145°40'	1011.3	OVC CIR	010012	12	—	0105
12	011245395	005626	38°00'	149°15'	1012.2	OVC CB	011806	13	—	0122
13	011245390	011632	36°00'	150°17'	1015.7	OVC CB / CLR	023446	14	—	0146
14	001345015	013625	34°00'	151°16'	1017.8	SET TRN CIR	BAD WINDS	—	—	0206
15	011245394	015543	32°00'	152°12'	1019.9	SET TRN CIR	BAD WINDS	—	—	0230
16	011245380	015836	31°37'	152°22'	1020.4	SET TRN CIR	023446	16	—	0230
17	003825037	021453	30°00'	153°05'	1021.3	OVC CIR / BEN	023836	17	—	0247
18	011245231	023356	28°00'	153°55'	1021.2	OVC CIR	030701	18	—	0320
19	003475051	025352	26°00'	154°44'	1020.2	OVC CIR	031112	19	—	0320

0350Z F04 PHNL

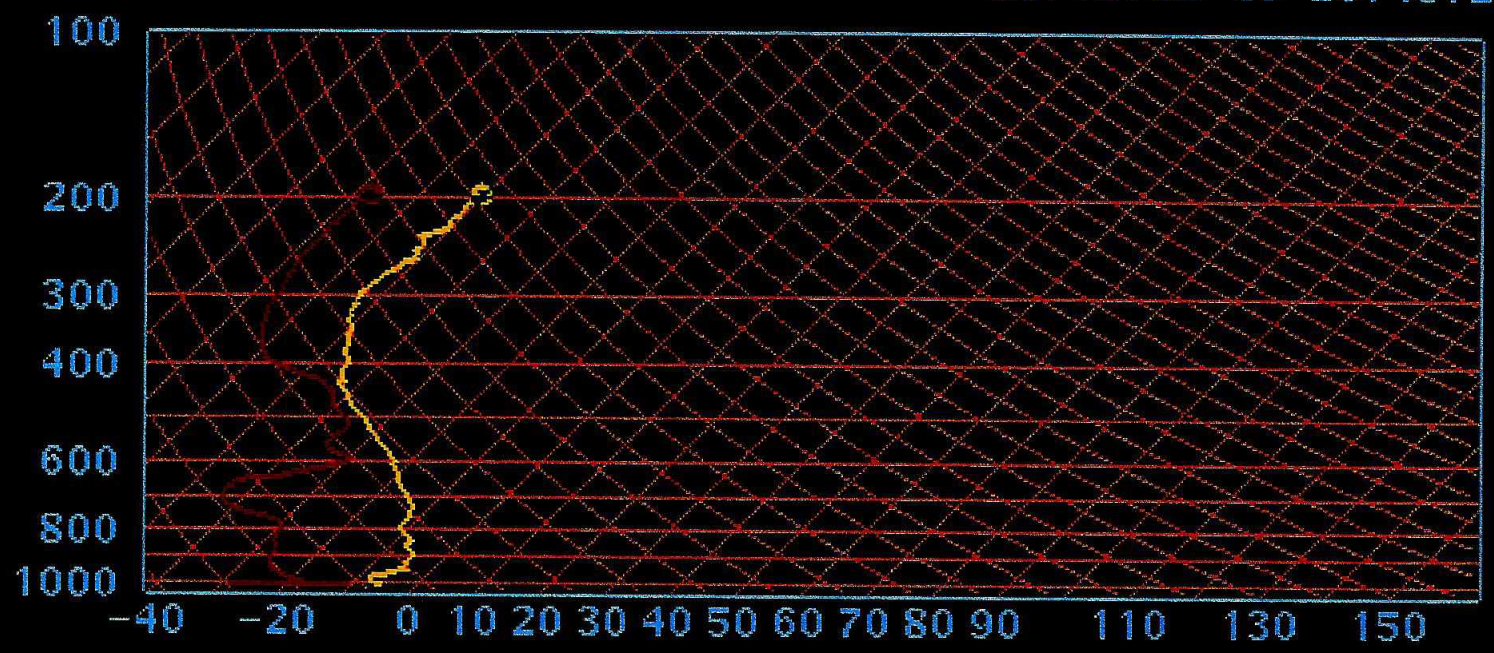
March 7, 2002
NOAA49 Winter Storms Reconnaissance PANC-PHNL Track

*****UPDATE*****

FOR DROP #1 LONGITUDE AND REMAINING MISSING LONGITUDES

PANC	61 10.5N	149 59.8W		
Drop 1	56 00N	153 42W	Turn 1, First Drop	1019
Drop 2	53 40N	155 03W		1014
Drop 3	51 20N	156 14W		1009
Drop 4	49 00N	157 19W		1006
Drop 5	46 40N	158 17W		1006
Drop 6	44 20N	159 11W		1006
Drop 7	42 00N	160 00W	Turn 2	1011
Drop 8	42 00N	156 45W		1010
Drop 9	42 00N	153 30W		1013
Drop 10	42 00N	150 15W		1013
Drop 11	42 00N	147 00W	Turn 3	1011
Drop 12	40 00N	148 21W		1015
Drop 13	38 00N	149 36W		1016
Drop 14	36 00N	150 47W		1019
Drop 15	34 00N	151 54W		1022
Drop 16	32 00N	152 58W		1023
Drop 17	30 00N	153 58W		1024
Drop 18	28 00N	154 57W		1024
Drop 19	26 00N	155 52W	Turn 4, Last Drop	1023
PHNL	21 19.0N	157 55.6W		

20:19:23 to 20:48:27



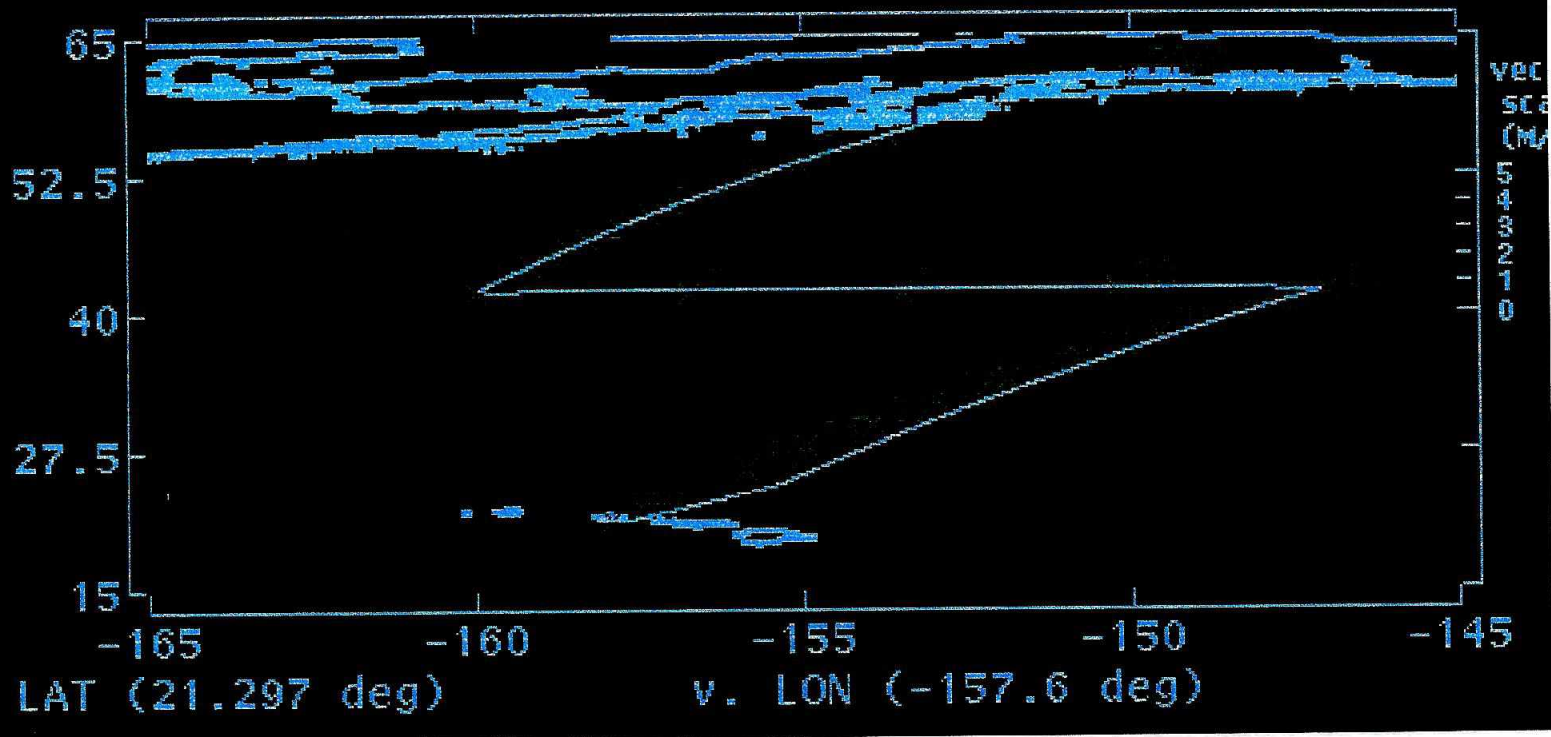
DPXC (-66.34 C)

v. PSXC (195.80 mbar)

ATX (-50.06 C)

v. PSXC (195.80 mbar)

19:25:13 to 03:47:0



NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: WS2002 Project No. 201 Flight No. RF15 Flight ID: 020307N
 SED Crew: ASG, SANS, SOUCCI, CARPENTOR Mission: PANC - PHNL
 Pre-Flight: 1900 Z Take-Off: 2022 Z Landing: 0354 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1		ASG			
	IRS #2		↓			
	GPS Honeywell #1					
	GPS Honeywell #2					
	GPS Collins		↓		Off? ☒	
	Nose Radar - Collins				Off? ☒	
T E M P / D P		Time	Temp °C			
	Temp #1	1921	-6	ASG	0357	26.5
	Temp #2		-6.5	↓		28.7
	Temp #3		-3.1	↓		27.0
	Temp #4		-6.9	↓		28.1
	DP Left		-18.4		Cal. Time:	17.6
	DP Right	↓	-18.3	↓	Cal. Time:	17.59
	CRYO		~	N/I		
P R E S S	Attack Angle (ADCAOA)		ASG			
	Angle of Attack (APx, DAPx)		ASG			
	Sideslip (BPx, DBPx)		ASG			
	Static Pressure (PS1M, PS2M)		ASG			
	Dynamic Pressure (QCxM)		ASG			
	Radome Press. Lines		Checked? ☒ Date: 1/25/02			
S Y S T E M S	SATCOM (Flight Phone) ☒		DSJ		Off CB? ☒	
	Call COMSAT? ☒ (*292#)		CB's Checked? ☒ DSJ			
	Iridium Phone		ON? ☒		OFF? ☒	
	FCU/UPS/CB		ASG		UPS off? ☒	
	MADS (WINDS/DISCWIN)		ASG		# DATs: 1	
	Printer 1 (lp1)		Power? ☒ Paper? ☒		Printer Power off? ☒	
	MADS Cal. Date:		QC time: 2010		QC time: 0355	
	HAPS System		Time set? ☒		# Msg.: # Fail:	
	AVAPS System		DWC			
	Exterior Walk Around ☒		DWC			
	Inspect Drop Sonde Chute Bolts		DWC			
M I S C	Down Port Door (Ozone Inst.)		Cover OFF? ☒ DSJ		Cover ON? ☒ DWC	
	AVAPS Sondes		# On Board: 56	# Dropped: 22	# Good: 17	
	Sci. Power Monitor		✓ DSJ			
	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					

1	DAT Tape #1	On: 2009	Type: VERB DL-60m	Off: 0359
	Comments:			