

Flt ID: 020315N	From: PANC	To: PHNL
Flt No.: 02-37	Blk In: 0346Z	ATA: 0343Z
ETD: 2000Z	Blk Out: 1943Z	ATD: 1950Z
ETE:	Blk Time: 8:03 (8.1)	Flt Time: 7:53 (7.9)
Sponsor Org: NCEP	Program: WINTER STORMS	Purpose: FLT # 17 ALASKA → HAWAII

AOC Personnel

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

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation

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

Monitor at FD station went dark @ 2018Z... had to replace it.

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

ACGWF2

Flt ID: 020315N	Time Off: 1950Z	Time On: 0343Z		
	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)
Pressure	1027.4	30.44	1015.2	29.99

	Number	Data Disposition/Date/Quality
Slow/Fast Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	23	All NCEP; 4 bad; 20 messages ^{sent} sent

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

Remarks

Department of Commerce/NOAA/Aircraft Operations Center Form 1															
Time	Lat	Long	Trk	Hdg	Wind Dir	Wind M/Spd	T _a	T _s	Press. Alt.	Geo. Alt.	Slc Press.	Press. Slc	Dyn. Press	Remarks	
201400	5856	15103	188	192	262	20	-63.3	-75.1	11904	11761	—	193.9	98.7	ABV OVC	62
204827	5500	15200	224	226	257	20	-67.0	-71.6	11897	11871	—	194.2	96.7	DROP	62
210200	5435	15432	253	250	230	25	-66.9	-70.7	11899	11860	—	194.2	97.3	OVC CIR	
210957	5420	15556	252	248	219	28	-66.3	-70.1	11899	11839	—	194.2	96.3	DROP	19
212200	5355	15800	251	242	200	37	-66.2	-71.3	11902	11809	—	194.3	97.8	OVC CIR	
212858	5340	15911	250	240	192	38	-63.7	-69.9	11900	11781	—	194.4	97.6	DROP	18
213800	5318	16046	248	238	184	40	-56.3	-71.2	11899	11732	—	194.4	96.8	OVC CIR	
214512	5300	16200	218	211	189	45	-54.5	-71.4	11904	11704	—	194.3	99.2	DROP	17
220504	5100	16244	192	189	183	42	-49.9	-67.4	11903	11688	—	194.4	97.5	DROP	21
221400	5006	16302	192	189	180	41	-49.6	-66.8	11905	11686	—	194.3	98.4	BKN AC	
222448	4900	16323	192	189	178	38	-47.6	-66.4	11903	11688	—	194.4	97.0	DROP	20
224336	4701	16352	144	146	182	30	-46.3	-64.8	11904	11679	—	194.3	97.4	DROP	35
230412	4612	16027	109	117	183	37	-51.3	-66.3	12492	12386	—	176.2	91.1	DROP	14
231300	4551	15902	111	118	188	34	-53.4	-67.6	12499	12440	—	176.1	90.6	THN CIR	50
232323	4524	15724	112	118	188	31	-55.8	-69.0	12494	12476	—	176.2	88.7	DROP	22
232633	4516	15654												DROP	27
234059	4436	15441	113		189	26	-61.3	-72.4	13059	13122	—	159.9	79.2	DROP	20
235708	4348	15214	115	119	212	21	-64.4	-74.4	13065	13165	—	159.8	80.2	DROP	11
001150	4257	15005	162	165	227	17	-67.5	-76.4	13062	13195	—	159.8	80.7	DROP	24
003126	4053	15059	198	200	237	21	-66.3	-76.2	13068	13211	—	159.9	79.9	DROP	38
004200	3946	15129	198	200	229	21	-63.5	-75.3	13067	13228	—	159.8	81.6	OVC CIR	
005125	3845	15155	198	200	237	20	-64.8	-75.4	13062	13223	—	160.0	80.8	DROP	20
011113	3638	15247	198	200	227	21	-62.2	-73.0	13618	13840	—	145.2	73.4	DROP	28
013112	3430	15336	198	201	238	27	-59.3	-72.1	13619	13864	—	145.1	73.5	DROP	14
013900	3340	15355	197	201	245	27	-59.5	-71.8	13619	13875	—	145.2	72.4	BKN CIR/CB	
015054	3223	15423	197	203	252	37	-57.9	-71.4	13619	13899	—	145.2	72.7	DROP WND	
015251	3211	15427					BKUP							DROP	26
021058	3015	15508												DROP	21
021900	2923	15526	196	205	268	42	-62.6	-73.1	13622	13982	—	145.2	71.7	SC THN CIR	
023032	2808	15550	196	207	271	50	-62.6	-73.6	13630	14025	—	145.1	73.5	DROP BND	
023205	2758	15553					BKUP							DROP	12
025040	2600	15631	186	200	272	60	-64.9	-74.7	13628	14089	—	145.1	74.2	DROP	21

N49RF AVAPS DropSonde Log

N49RF Project: Winter Storms 2002

Flight ID 020315N

Mission: ANSC → HNL

Flight #: 17

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	003 115 079	1	2048	.5	60	DWC	Lost winds for part of drop	✓
2	003 825 036	7	2109	.0	19			✓
3	003 248 060	1	2128	.5	18			✓
4	003 515 020	1	2145	.4	17			✓
5	003 515 255	1	2205	.3	21			✓
6	003 825 035	1	2224	.2	20			✓
7	003 475 027	1	2243	.4	25			✓
8	011 335 098	1	2304	.4	14			✓
9	003 515 124	1	2323	.3	72	ASG	ALMOST NO WINDS	✓ *
9B	003 025 100	2	2326	.2	27			✓
10	003 248 033	1	2340	0	43			✓
11	003 115 080	2	2357	.4	11		NO WINDS 400-850 m BAR	
12	003 515 262	1	0011	0	24			✓
13	003 115 085	1	0031	.5	38			✓
14	003 475 025	1	0051	.3	86		LATE WINDS	✓ *
15	003 148 120	1	0111	.2	28			✓
16	011 245 399	1	0131	.1	14	NSG		✓
17	003 515 013	1	0150	3	—		NO WINDS	
18	003 515 263	2	0152	.2	26			✓
19	003 515 260	1	0211	.2	21			✓
20	003 248 029	1	0231	.6	—		BRD TELM. - FAST FALL NO WINDS	✓
21	011 245 213	2	0232	.4	12			✓
22	003 515 008	1	0250	.2	21			✓
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

* LOOK @ PI DATA

N49RF AOC GPS Dropwindsonde Log

Flight ID 0203/5N Flight Director 1) AMAND Page 1 of 1

Mission ID WSWSC Storm TRAMIST 2135 called CNECAH

Drop #	Channel # Sonde ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	00315079	204927	55.00	159.05	1010.5	OVC CIR	212814	1	—	2109
2	003825036	210957	54.20	155.56	1010.6	OVC CIR	212814	2	—	2133
3	003248060	212858	53.40	159.11	1010.9	OVC CIR	212814	3	—	2153
4	003515020	214512	53.00	162.00	994.6	OVC CIR	215913	4	1	2212
5	003615255	220504	51.00	162.44	994.3	BKN AC	222404	5	—	2228
6	003825035	222448	49.00	163.23	1002.9	BKN AC	224246	6	—	2248
7	004175002	224338	47.01	163.52	1012.2	TRACER SCT	230131	7	—	2310
8	011335098	230412	46.12	160.27	1015.0	SCT SC	232301	8	1	2331
9	004515124	232323	45.24	157.24	1015.9	TRACER SCT	234430	9	—	2349
10	003825100	232633	45.16	156.54	1016.4	CIR/SCT SC	BKUP 23430	10	—	2307
11	003448633	234059	41.36	159.41	1016.0	OVC CIR	000059	11	—	0007
12	003115080	235708	43.48	152.14	1017.8	OVC CIR	001719	12	—	0022
13	003515262	001150	42.59	150.05	1022.7	OVC SC	002541	13	—	0030
14	003115085	003126	40.53	150.59	1022.2	OVC CIR/SC	004607	14	—	0056
15	003448025	005125	38.45	151.55	1022.6	OVC CIR	011258	15	—	0119
16	003148170	011113	36.38	152.47	1019.7	OVC CIR	013023	16	—	0135
17	011245149	013112	34.20	153.26	1019.3	OVC CIR	015307	17	—	0158
18	003575013	015054	32.23	154.23	1018.6	BKN CIR/SC	NB WINDS	18	—	0217
19	003515263	015251	32.11	154.27	1019.0	BKN CIR/SC	BKUP 021158	19	—	0242
20	003515260	021058	30.15	155.08	1018.5	—	023622	20	—	0258
21	003148029	023032	29.08	155.50	—	SCT SC	FF BAD	21	—	0312
22	011245113	023205	27.58	155.53	1018.3	SCT SC	BKUP MP 025303	22	—	0312
23	003515008	025040	26.00	156.31	1017.3	SCT SC	030654	23	—	0312

2915

March 15, 2002
NOAA49 Winter Storms Reconnaissance PANC-PHNL Track

PANC 61 10.5N 149 59.8W

~~Drop 1 55 00N 152 00W~~
~~Drop 2 54 20N 155 56W~~
~~Drop 3 53 40N 159 11W~~
~~Drop 4 53 00N 162 00W~~
~~Drop 5 51 00N 162 44W~~
~~Drop 6 49 00N 163 23W~~
~~Drop 7 47 00N 164 00W~~
~~Drop 8 46 12N 160 27W~~
~~Drop 9 45 24N 157 24W~~
~~Drop 10 44 36N 154 41W~~
~~Drop 11 43 48N 152 14W~~
~~Drop 12 43 00N 150 00W~~
~~Drop 13 40 53N 150 59W~~
~~Drop 14 38 45N 151 55W~~
~~Drop 15 36 38N 152 47W~~
~~Drop 16 34 30N 153 36W~~
~~Drop 17 32 23N 154 23W~~
~~Drop 18 30 15N 155 08W~~
~~Drop 19 28 08N 155 50W~~
~~Drop 20 26 00N 156 31W~~

Turn 1, First Drop ~~1019~~

~~1011~~

~~1004~~

Turn 2 998

1001

1010

Turn 3 1015

1015

1014

1015

1018

Turn 4 1023

1023

1021

1022

1022

1022

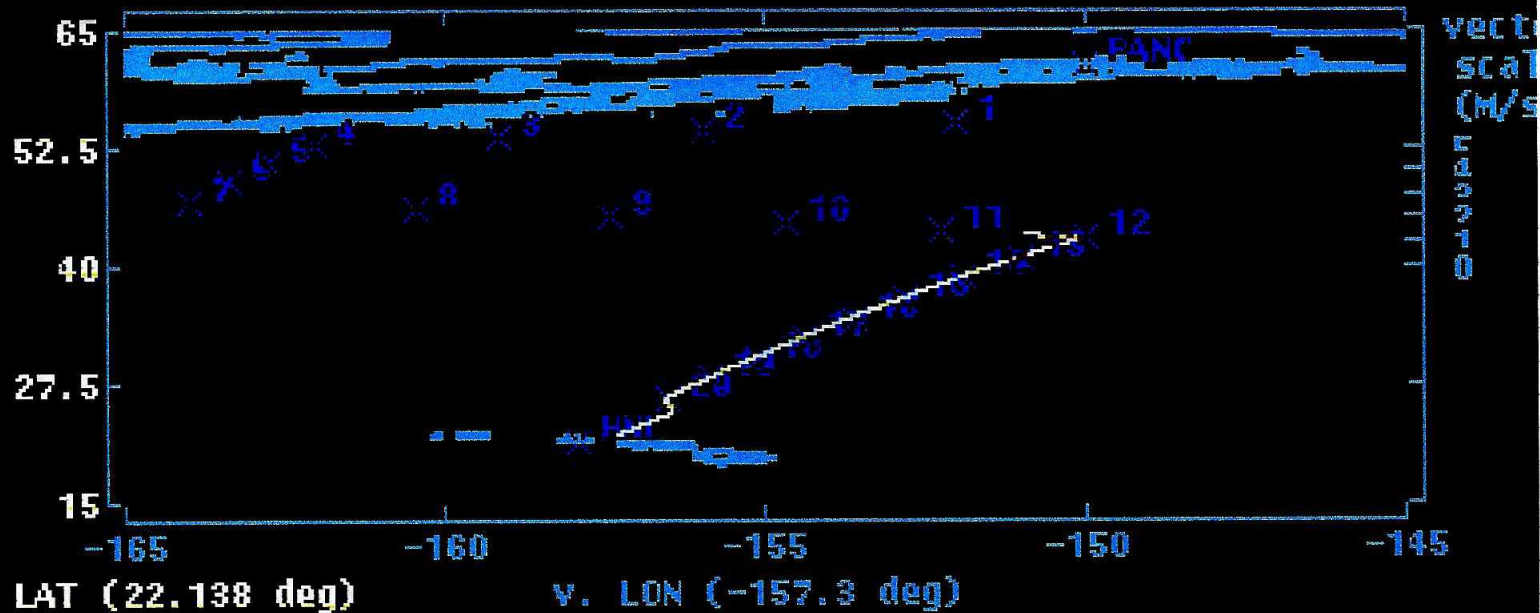
1022

1021

Turn 5, Last Drop ~~1022~~ 1019

PHNL 21 19.0N 157 55.6W

00:05:58 to 03:23:4



NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: WS2002 Project No. 201 Flight No. RF17 Flight ID: 020315N
 SED Crew: ASG, SAMS Soud, Corp Mission: PANIC -> PHNL
 Pre-Flight: 1900 Z Take-Off: 1950 Z Landing: 0343 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check		
N A V	IRS #1		DSS	✓			
	IRS #2			✓			
	GPS Honeywell #1			✓			
	GPS Honeywell #2			✓			
	GPS Collins			✓	Off? ☒		
Nose Radar - Collins			✓	Off? ☒			
T E M P / D P	Time	Temp °C	DSS		Time	Temp °C	
	Temp #1	1908		6.5	✓	0344	30.3
	Temp #2			0.1	✓		28.5
	Temp #3			3.8	✓		31.2
	Temp #4			0.8	✓		26.9
	DP Left			-15.4	Cal. Time:		16.9
	DP Right			-18.9	Cal. Time:		17.8
CRYO		N/A	N/A	✓			
P R E S S	Attack Angle (ADCAOA)		DSS	✓			
	Angle of Attack (APx, DAPx)			✓			
	Sideslip (BPx, DBPx)			✓			
	Static Pressure (PS1M, PS2M)			✓			
	Dynamic Pressure (QCxM)			✓			
	Radome Press. Lines		Checked? ☒ Date: 1/25/02				
S Y S T E M S	SATCOM (Flight Phone) ☒		✓	✓	Off CB? ☒		
	Call COMSAT? ☒ (*292#)		CB's Checked? ☒ DSS	✓			
	Iridium Phone		ON? ☒ DSS	✓	OFF? ☒		
	FCU/UPS/CB		✓	✓	UPS off? ☒		
	MADS (WINDS/DISCWIN)		ASG	✓	# DATs: 1		
	Printer 1 (lp1)		Power? ☒ Paper? ☒	✓	Printer Power off? ☒		
	MADS Cal. Date:		QC time: 1952	✓	QC time: 0345		
	HAPS System		Time set? ☒ OFF	✓	# 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? ☒ DSS		Cover ON? ☒		
	AVAPS Sondes		# On Board: 64	# Dropped: 23	# Good: 20		
	Sci. Power Monitor		✓ DSS				
	APN-232 Altimeter		✓				
	Modem		Power On? ☒ DSS				
	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: 1933	Type: VR 60M	Off: 0347
	Comments: QC Check incorrectly done @ 1952 CHANGED OUT FLT DIRECTOR MONITOR			