

FLT ID: 990122N	FM: KLGB	TO: POHL
FLT NO:	BLK IN: 0340	ATA: 0337
ETD: 20Z	BLK OUT: 1959Z	ATD: 2007 1
ETE: 7.5	BLK TIME: 7:41(7.7)	FLT TIME: 7:30(7.5)
SPONSOR ORG: DCEP	PROGRAM: WSA-99	PURPOSE: Research #5

DAO PERSONNEL

AC: Macson ✓	SYS ENG: Pradas-Begues ✓
CP: McConn / Finke ✓	DATA SYS: Carpenter
NAV: 21	RADAR: Hornbrook ✓
FE: Kitson	BT/ODW: Smith
RADIO	CLB-PHYS: White ✓
FD: Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Shapiro, M. ✓	P.I.	ETL/DOAA
Black, M. ✓	HAB'S	HAD/DOAA

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PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

POHL 21 19.247N 157 54.819 GATES 34 130 123 040

Fly 3 leg pattern thru sub-tropical, piece of polar jet.

WSLOSC WIOB Plan is for no ETL drops today. Expect 19 DCEP drop, points.

22 DCEP Drops - 3 failed winds early. 19 mags sent.

KLGB
ATIS
20/4
30.18
CALM
18/2.2
1020
3.5/3
LAD ATIS
02182
050/12617
24/19
28.99
80/2
24/17
59
1015.3

TIME	LAT	LOD	DTK	WD	WS	PA	GA	TA	TD		PT	USED	CH	WPC
1959	33 48.7	118 09.2				-63		21	8.6					
200715	33 50	118 10	2	280	5	614	587	12	-2	↑				
203830	33 35	123 00	264	293	46	12817	12569	-57.7	-67.4	—				
204927	33 35	123 02	282	287	46	12824	12571	-57.7	-67.8		1	NCEP	1	8 SC
210901	34 13	125 10	324	284	46	12821	12570	-57	-66.7		2	NCEP	1	OVC SC
212245	35 23	126 12	324	278	53	12757	12568	-57.8	-66.4					
213056	36 04	126 48	324	271	58	12731	12566	-56.9	-66.2		3	NCEP	1	OVC SC
215616	37 36	129 12	306	258	65.7	12657	12563	-55.2	-65.1		4	NCEP	1	OVC SC
222040	39 08	131 56	305.8	256	61	12532	12557	-53.2	-64.5		5	NCEP	1	OVC SC, AC
224100	40 15	133 59	314	253	43	12450	12558	-50.2	-63.7		6	NCEP	1	SET SC
2249	40 53	134 50	313	256	39	12418	12559	-50.4	-62.9					
225915	41 40	136 00	302	251	29	12390	12556	-49.5	-63.2		7	NCEP	1	SET SC
231505	42 36	138 10	307	284	20	12364	12558	-44.9	-62		8	NCEP	2	SET SC, AC
233235	43 48	140 21	308	298	22	12330	12556	-50	-64		9	NCEP	1	BKN SC
234930	44 55	142 30	2	333	20	12360	12557	-52	-66		10	NCEP	1	BKN SC
000555	43 23	144 32	224	325	26	12414	12553	-55.2	-67		11	NCEP	1	SET SC
001945	42 07	146 08	223	335	19.3	12461	12548	-58.5	-70.1					
003138	41 00	147 30	224	342	21	12512	12547	-58.6	-70.5		12	NCEP	1	SET SC
0041	40 08	148 37	224	335	23	12548	12545	-56.1	-69.7					
005317	39 00	150 00	225	325	22	13196	13127	-56.4	-69.4		13	NCEP	1	OVC SC
0055	38 51	150 13	225	324	24	13198	13126	-58.8	-69.3		13A	NCEP	5	OVC SC
000103	38 23	150 47	225	320	27	13213	13124	-56.4	-69.0		13B	NCEP	6	"
011544	37 00	152 31	226	320	28	13249	13121	-56.2	-68.4		14	NCEP	1	BKN SC
012945	35 46	154 04	225	325	26	13289	13119	-59.6	-70.4					
013646	34 59	155 00	220	326	23	13304	13116	-60.7	-71		15	NCEP	1	BKN SC
0148	33 49	155 16	190	335	19.5	13340	13115	-60.25	-69.4					
015508	32 52	155 28	190	342	10	13360	13117	-56	-69		16	NCEP	2	BKN SC
021209	30 42	155 55	191	325	13	13381	13126	-58.7	-67		17	NCEP	1	OVC SC
021358	30 28	155 58	190	320	17	13371	13124	-58.24	-67.2		17A	NCEP	5	OVC SC
022855	28 35	156 23	191	323	13	13398	13124	-52.9	-63.7		18	NCEP	1	OVC SC
0242	26 54	156 44	EDGE OF CLOUDS 514162)											
024532	26 25	156 50	191	320	22	13411	13121	-53.7	-65		19			

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms 99 Project No. 425 Flight No. 6 Flight ID: 990122W
 SED Crew: Pradas, Smith, Hornbrook, Carpenter Mission: 5
 Pre-Flight: 1830 Z Take-Off: 2006 Z Landing: 0337 Z

SYSTEM				Pre-Flight Check	In-Flight	Post-Flight	
N A V	IRS #1			DWC	DWC		
	IRS #2			↓	↓		
	IRS #3			↓	↓		
	GPS Honeywell #1			↓	↓		
	GPS Honeywell #2			↓	↓		
	GPS Collins					Off? ☒ DWC	
	Nose Radar - Collins					Off? ☒ DWC	
		Time	Temp °C	DWC	DWC	Time	Temp °C
	Temp #1	1910Z	19.6	↓	↓		
T	Temp #2	↓	30.9	↓	↓		
E	Temp #3	↓	20.5	↓	↓		
M	Temp #4	↓	35.4	↓	↓		
P	DP Left	↓	9.2	↓	Cal. Time: DWC		
	DP Right	↓	14.2	↓	Cal. Time: DWC		
P	Attack Angle (ADCAOA)			DWC	DWC		
R	Slip Angle (BP/DBP)			DWC	DWC		
E	Differential (PQ1/PQ2)			DWC	DWC		
S	Absolute (PS1/PS2)			DWC	DWC		
S	Check Radome Press. Lines ☒			Date: 990122			
S	DOWN PRT-5 ⇒ Open? ☐			N/I		Closed? ☐	
Y	MADS (WINDS/DISCWIN)			DWC	DWC	# DATs: 1	
S	MADS Printer ⇒ Paper? ☒			DWC	DWC	Printer Power off? ☒ DWC	
T	MADS Cal. Date: 990115			QC time: 1951Z	DWC	QC time: 0339Z	
E	WINDS ⇒ NET BCAST ☒			DWC	DWC		
M	HAPS System / Time set? ☒			JCPB	DWC	# Msg.: 19 # Fail: 0	
S	AVAPS System / Time set? ☒			JAS	DWC		
	AVAPS Printer ⇒ Paper? ☒			Removed to HAPS	DWC		
	Exterior Walk Around ☒			DWC			
	Inspect DropSonde Chute Bolts			DWC			
	Satcom (Flight Phone) ☒			CFH	DWC	Off CB? ☒ DWC	
	Call COMSAT? ☒ (*292#)			↓	DWC		
M	FCU/UPS/CB			CB's Checked? ☒ DWC	DWC	UPS off? ☒ DWC	
I	AVAPS Sondes			# On Board: 69	# Dropped: 22	# Good: 20	
S	AXBT			# On Board: 0	# Dropped: N/A	# Good:	
C	APN-232			DWC	DWC		
	Modem Power On? ☒			DWC	DWC		

1	DAT Tape #1	On: 1948 Z	Type: V-60	Off: 0340 Z
2	DAT Tape #2	On:	Type:	Off:
Comments:				

N49RF Winter Storms 99 / AVAPS DropSonde Log

N49RF Project: Winter Storms 99

Flight ID: 990122N

Mission: 5

Flight #: 6

System Status: ✓

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	983620621	1	2049	-.2	45	JCPB		✓
2	983620618	1	2109	.3	25	JCPB		✓
3	984325031	1	2131	.4	30	JCPB		✓
4	983620541	1	2156	.4	29	JCPB		✓
5	983620625	1	2222	.2	24	JCPB		✓
6	984325284	1	2241	.1	42	JCPB		✓
7	983340080	1	2259	.2	27	JCPB		✓
8	983720842	2	2315	0.3	41	JCPB		✓
9	983620569	1	2332	0.1	31	JCPB		✓
10	984325149	1	2349	0.2	35	JCPB		✓
11	983720812	1	0006	.6	18	JCPB		✓
12	983620622	1	0031	0.4	22	JCPB		✓
13	984325282	1	0053	0.2	240	JCPB	LATE WINDS	BAD
14	983310045	5	0055	0	22	JCPB	POOR TELM	BAD
15	983620573	6	0100	.6	60	JAS		✓
16	983440048	1	0116	.6	21	JCPB		✓
17	983620577	1	0138	.2	37	JCPB		✓
18	983310067	2	0155	.3	35	JCPB		✓
19	984325146	1	0212	.2	133	JCPB	LATE WINDS	✓
20	984325032	5	0213	.3	29	JAS		✓
21	984325270	1	0229	.2	35	JCPB		✓
22	984325050			-.3	25	JCPB		✓
23	983310175			.3			NO DROP	
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

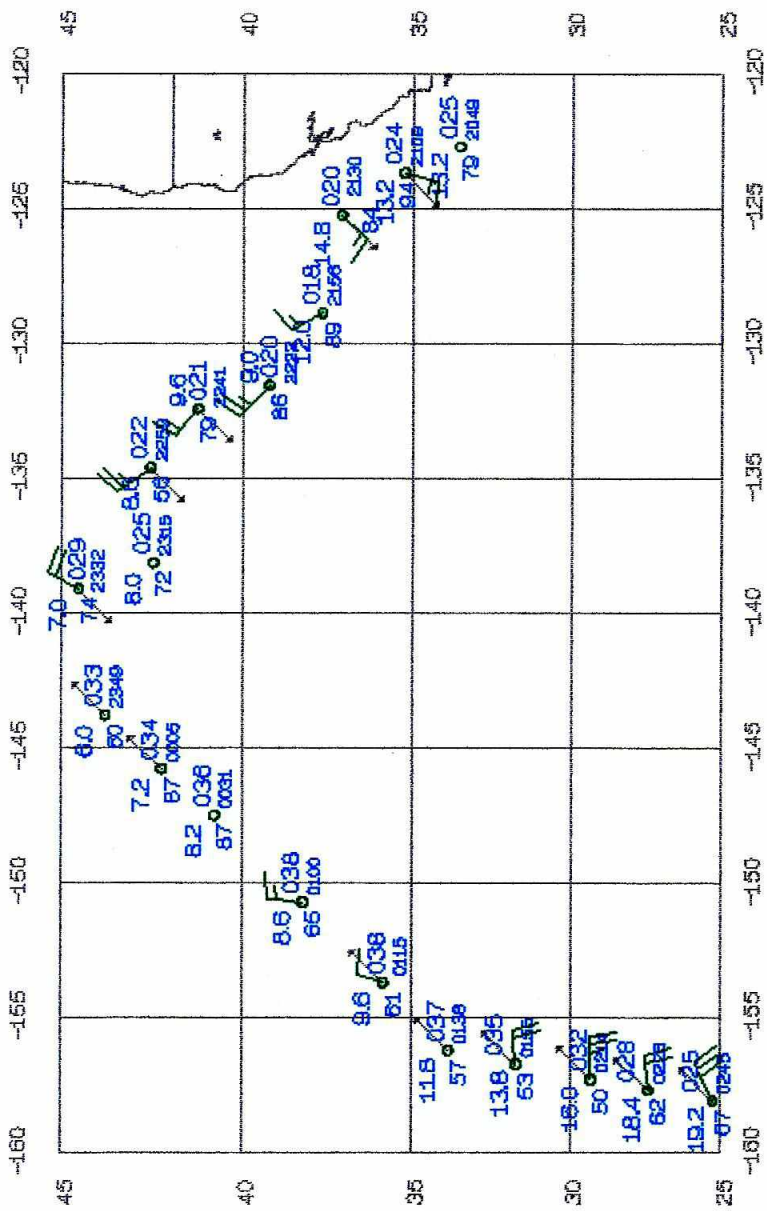
WSR HI N4S

Surface

Date: 990122
Time: 19-31 UTC

EARTH RELATIVE

NOAA/ERL/HURRICANE RESEARCH DIVISION



NOAA G-IV

POC: Sean White - 813.833.3275

DEPARTURE

CALL SIGN **NOAA49**
 TAIL NUMBER N49RF
 ALTITUDE FL410-450
 AIRSPEED Mach 0.77 (450KTAS)

DATE 22 JAN 99
 TIME 2000Z

DROP LOCATIONS indicated by a drop number.

#	LAT(N)/LONG(W) (degrees and minutes)	DIST(NM)	ETE	ETA Date/Zulu Time
	Long Beach (KLGB)	---	---	22/2000 Takeoff time
1*	34 13/123 04 ^{33 35/123 00} (GATES)	246	0+30	22/2030
2	34 35/123 47	50	0+07	22/2037
3	34 57/124 27	50	0+07	22/2044
(2) 4*	35 20/125 08 ^{34 10/125 08}	50	0+07	22/2051
5	35 43/125 49	50	0+07	22/2058
6	36 06/126 30	50	0+07	22/2105
(3) 7*	36 28/127 10 ^{36 04/126 48}	50	0+07	22/2112
8	36 51/127 51	50	0+07	22/2119
9	37 14/128 32	50	0+07	22/2126
(4) 10*	37 37/129 13	50	0+07	22/2133
11	37 59/129 53	50	0+07	22/2140
12	38 22/130 34	50	0+07	22/2147
13	38 45/131 15	50	0+07	22/2154
(5) 14*	39 08/131 56	50	0+07	22/2201
15	39 30/132 36	50	0+07	22/2208
16	39 53/133 17	50	0+07	22/2215
(6) 17*	40 16/133 58	50	0+07	22/2222
18	40 39/134 39	50	0+07	22/2229
19	41 01/135 19	50	0+07	22/2236
(7) 20*	41 24/136 00	50	0+07	22/2243
21	42 00/137 05	75	0+09	22/2252
(8) 22*	42 36/138 10	75	0+09	22/2301
23	43 12/139 15	75	0+09	22/2310
(9) 24*	43 48/140 20	75	0+09	22/2319
25	44 24/141 25	75	0+09	22/2328
(10) 26*	45 00/142 30	75	0+09	22/2337
27	44 12/143 30	75	0+09	22/2346
(11) 28*	43 24/144 30	75	0+09	22/2355
29	42 36/145 30	75	0+09	23/0004
30	41 48/146 30	75	0+09	23/0013
(12) 31*	41 00/147 30	75	0+09	23/0022
(13) 32*	39 00/150 00	166	0+23	23/0045

14	33*	37 00/152 30	166	0+23	23/0108
15	34*	35 00/155 00	166	0+23	23/0131
16	35*	32 52/155 28	128	0+18	23/0149
17	36*	30 43/155 55	128	0+18	23/0207
18	37*	28 35/156 23	128	0+18	23/0225
19	38*	26 26/156 50	128	0+18	23/0243
		24 19/157 17(ZIGIE)	100	0+13	23/0256
		Honolulu (PHNL)	190	0+40	23/0336
		Cumulative	3018	7+36	