

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

AOCWFI

Flt ID: 010302N	From: KMA4	To: KMA4
Flt No.: 01-027	Blk In: 0425	ATA: 0419
ETD: 20Z	Blk Out: 1955	ATD: 2002
ETE: 8	Blk Time: 8:30 (8.5)	Flt Time: 8:17 (8.3)
Sponsor Org: ETL	Program: PAC-JET	Purpose: Flight 2

AOC Personnel

AC: McLann ✓	Sys Eng: Smith ✓
CP: Muxson / Finke ✓	Data Sys: Hornbrook ✓
Nav:	Radar:
FE: K. J. J. son	GPS/BT:
Avionics:	Cld Phys:
FD: Parrish ✓	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Ralph, M. ✓	P.I.	ETL
Goldenberg, S. ✓	HAPS	HAD
Jorgensen, D. ✓	Visitor	Don Boulder
Sho, J.W. ✓	Visitor	ETL

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

1919Z
 29.98
 10.0/8.8
 1008.5
 60/2
 11/3
 0358Z
 8/4.3
 1005.8
 29.94

GPS failed 2 secs before last drop.
 Dropped 31 Pac-JET sonobuoys. 29 good ones. 23 msgs sent.
 Flew very near developing low. Between ATs 7 & 7'.

N49RF AVAPS DropSonde Log

N49RF Project: WINTER Storms 2001

Flight ID 010302n

Mission: PACJET #2

Flight #: 16

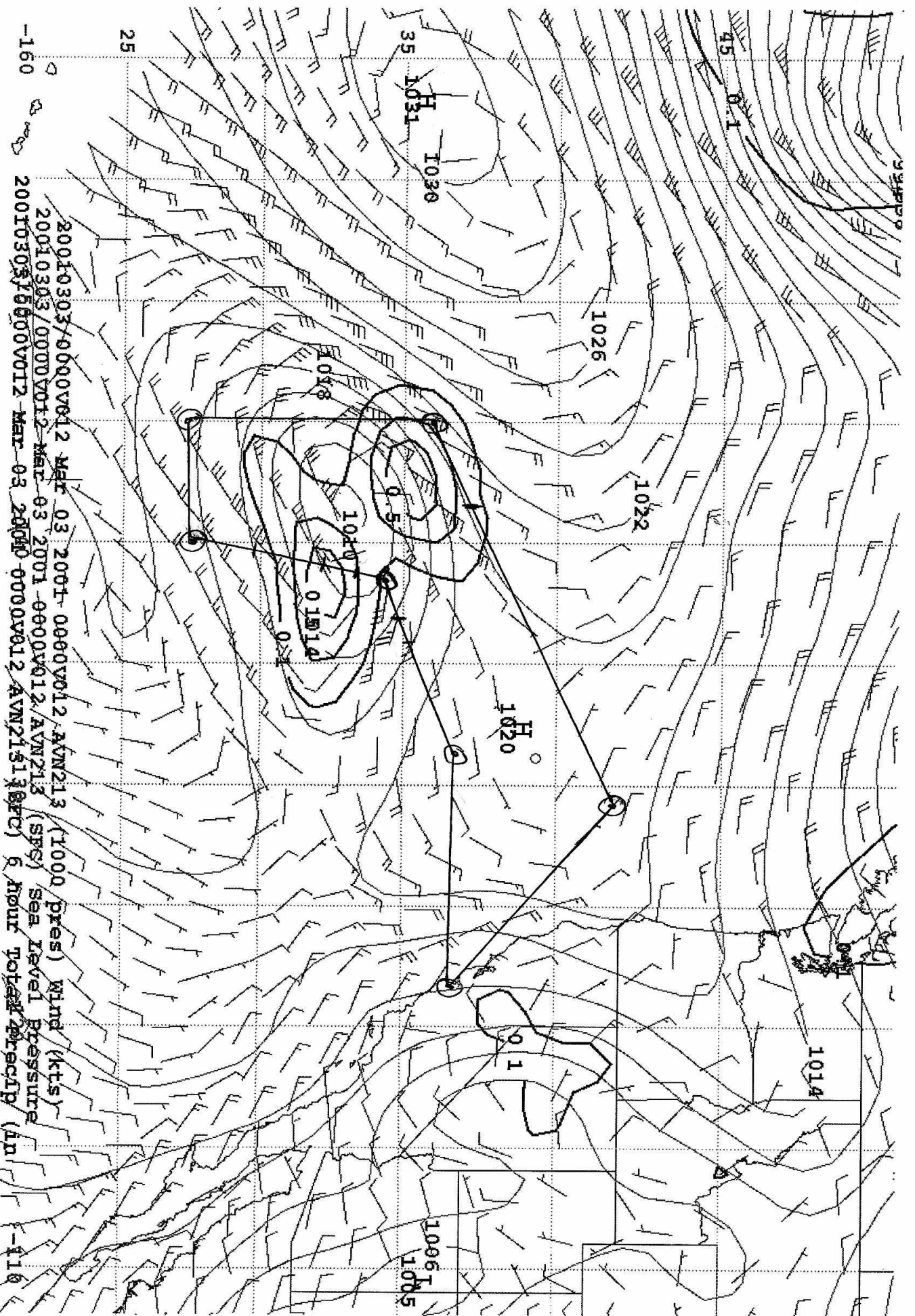
System Status: ✓

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	991 037 036	1	2032	.4	11	JS/CH	1	✓
2	990 415 347	1	2050	.5	58		2	✓
3	990 838 010	1/5	2110	Ø	24		3	✓
4	990 415 349	1/5	2129	Ø	31		4	✓
5	990 415 199	1/5	2149	Ø	32		5	✓
6	991 515 174	1/5	2209	Ø	✓		6	✓
7	003 338 017	2/6	2219	Ø	20		DROP 6'	✓
8	003 115 277	1/5	2228	Ø	15		7	✓
9	003 338 119	2/6	2238	Ø	21		DROP 7'	✓
10	003 338 114	1/5	2248	Ø	27		8	✓
11	990 415 611	1/5	2308	Ø.5	29		9	✓
12	003 515 033	1/5	2330	Ø	25		10	✓
13	003 338 123	1/5	2354	Ø	12		11	✓
14	990 415 193	2/6	0006	.5	15		11 prime	✓
15	991 037 037	1/5	0018	.8	16		12	✓
16	990 838 009	2/6	0029	Ø	18		12 prime	✓
17	003 338 027	3	0034	Ø	16		12 prime ²	✓
18	003 338 105	1/5	0039	Ø	15		13	✓
19	990 745 016	2/6	0050	Ø	<20		13 prime	✓
20	003 338 122	1/5	0100	Ø	9		14	✓
21	003 475 076	2	0108	Ø	<15		14 prime	✓
22	990 435 448	3	0115	Ø	25		15	✓
23	003 475 075	1/5	0123	Ø	23		slow fall 15 prime - WINOS 350 mb	B
24	990 415 196	2/6	0130	0.5	25		16	✓
25	990 415 129	1/5	0150	.4	25		17	✓
26	003 338 100	1/5	0210	Ø	<25		WINDS FAILED T FAILED ON LAUNCH BACK	B
27	003 338 102	1/5	0229	Ø	25		19	✓
28	003 338 126	2/6	0248	Ø	15		20	✓
29	990 415 181	1/5	0300	.5	18		21	✓
30	990 415 367	2/6	0312	.6	17		22	✓
31	990 415 187	1/5	0331	.5	25		23 42444' - WINOS DROPOUTS	✓
32								
33	000 715 227	4/5	2032	.5		JS	RH2 INOP GEM GPS TEST	✓

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Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
1955	36 35.4	121 51.4					11	6	52	30		1009.6	0.3	Black Out
200800	36 41	121 54	292	289	277	18	6.6	-19	2102	2148		780	100	↑
201215	36 46	122 36	277	279	291	35	-25	-36	5237	5840		477	156	↑
203227	37 00	125 00S	272	273	280	37.8	-53.5	-60.4	12421	12539		176	85	Drop 1
203223														Prothylene Drop
205052	37 02	127 20	270	271	275	46	-53.9	-63.3	12420	12541		176	87.9	Drop 2
210955	37 02	129 40	268	269	273	57.7	-55	-64	12410	12538		176	88.9	Drop 3
215952	37 00	132 00	250	250	256	48	-59.8	-67	12422	12541		176	88	Drop 4
214940	36 00	134 07	239	244	262	51	-58.4	-66.9	12458	12537		176	87	Drop 5
220917	35 00	136 07	237	242	260	54	-57.8	-66.2	12486	12538		176	87	Drop 6
221856	34 30	137 04	237	241	255	52	-56.1	-65.5	12520	12541		176	89	Drop 6'
222813	33 59	137 59	211	220	259	51	-55.5	-65.0	12546	12544		176	88	Drop 7
223806	32 57	138 20	195	206	263	51	-56.7	-65.5	12603	12542		176	91	Drop 7'
224816	31 52	138 41	195	208	266	56.6	-58	-66	12650	12539		176	88	Drop 8
230840	29 45	139 20	195	208	258	61	-58	-66	12734	12542		176	88.9	Drop 9
233002	27 32	140 02	~	~	261	60	-59.6	-67.2	12847	12540		176	88.5	Drop 10
235418	27 30	142 31	270	269	269	63	-61.4	-68	13415	13121		160	80	Drop 11
000643	27 30	143 45	269	269	271	62	-61.4	-68	13423	13127		159.9	80.5	Drop 11'
001836	27 33	144 57	321	309	271	64	-62	-68	13422	13127		159.9	80.7	Drop 12
002903	28 45	149 00	359	345	274	55	-59	-67	13377	13121		160	79	Drop 12'
003403	29 20	145 00	359	345	277	57	-59.4	-67	13346	13121		160	78	Drop 12''
003942	30 00	145 00	359	345	275	55	-58	-67	13321	13125		160	80	Drop 13
005011	31 15	145 00	0	346	274	52	-56	-66	13258	13124		160	74.8	Drop 13'
010040	32 30	145 00	0	348	287	49	-55	-65	13194	13120		160	81	Drop 14
010809	33 23	145 00	0.2	350	282	41	-55	-65	13156	13125		159.9	81.3	Drop 14'
011532	34 15	145 00	0.1	348	280	44	-55	-64	13107	13123		159.9	81.2	Drop 15
012253	35 06	145	359	350	290	39	-53	-64	13081	13121		160	80	Drop 15' Lost wind ↓ 310 mph
013012	35 59	144 56	~	~	300	38	-51.9	-63	13018	13119		160	82	Drop 16
015056	37 23	142 00	61	56	291	27	-55.8	-64.8	12975	13106		160	81	Drop 17
021034	38 38	139 00	63	57	283	31	-54.7	-63.9	12927	13118		160	80.4	Drop 18 No wind
022943	39 46	136	65	61	284	21	-55	-64	12903	13114		160	80	Drop 19
024838	40 48	133 00	67	62	288	24	-54	-65	12877	13102		160.5	79.8	Drop 20
030045	41 25	131 00	68	65	275	20.7	-54	-64	12866	13107		160.4	81.4	Drop 21
031212	41 57	129 00	100	102	271	21	-53	-63	12864	13112		160.3	80.2	Drop 22
033109	40 20	126 28	134	136	284	12	-55	-63	42444	13114		160.2	80.0	Drop 23
0353	28.28	123.8	↓	40	land									
0425	Block Lu													



KMAY

① 37 00 N
31 02.7

125 00 W BEBOP *
127 20

37 02.7

129 40

④ 37 00 N

132 00 W * TT

⑤ 36 00 N

134 07.1

⑥ 35 00 N

136 06.8

→ ⑥' 34°30'N 137 04.1

⑦ 34 00 N

138 00 W * TT2

→ ⑦' 32°57'N 138 20.6

⑧ 31 53 N

138 41.0

⑨ 29 45 N

139 20.3

⑩ 27 30 N

140 00 W * TT3

⑪ 27 30 N

142 30 W

→ ⑪' 27 30 N 143 45' W

⑫ 27 30 N

145 00 W * TT4

⑬ 30 00 N

145

→ ⑬' 31°15'N 145 W ⑫' 28 45 N 145°00' W

⑭ 32 30 N

145

→ ⑭' 33°45'N 145 W ⑫'' 29 20 N 145°00' W

⑮ 34 15 N

145

⑯ 36 00 N

145 00 W * TT5

⑰ 37 22.6

142 00 W

⑱ 38 37.8

139 00 W

⑲ 39 46.1

136 00 W

⑳ 40 47.7

133 00 W

㉑ 41 25.2

131 00 W

㉒ 42 00 N

129 00 W *

㉓ 40 21

126 30 W

KUAY

Mason

Finke

Tates

Hutson

Parrish

Smith

Aornbrook

Goldenberg WCD

Shepherd

Halverson

Young

Rogers

McMillan

NOAA/AOC/SED N49RE Flight Performance log

Project Name: WS2001Project No. 101Flight No. RF16Flight ID: 010302NSED Crew: Hornbrook, SmithMission: Pac SetPre-Flight: 1830

Z

Take-Off: 2001Z Landing: 0418

Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check		
N A V	IRS #1		JCS				
	IRS #2						
	GPS Honeywell #1						
	GPS Honeywell #2						
	GPS Collins						
Nose Radar - Collins			Off? ☒	(5)			
			Off? ☐				
T E M P	Time	Temp °C	JCS		Time	Temp °C	
	Temp #1	1922			11.8	0419	9.3
	Temp #2				11.3		9.5
	Temp #3				11.5		9.4
	Temp #4				11.9		10.8
	DP Left				4.1		3.3
P	DP Right		5.4			1.7	
P R E S S	Attack Angle (ADCAOA)		JCS				
	Slip Angle (BPx/DxPx)						
	Differential (QC1/QC2)						
	Absolute (PS1/PS2)						
	Check Radome Press. Lines ☒ Date: <u>2/10/01</u>						
S	Down Port ⇒ Open? ☒		JCS	(3)	Closed? ☐	N/A	
Y	MADS (WINDS/DISCWIN)				# DATs:		
S	MADS Printer1 ON⇒Paper? ☒				Printer Power off? ☒		
T	MADS Printer2 ON⇒Paper? ☒				Printer Power off? ☒		
E	HAPS System / Time set? ☒				# Msg:	# Fail:	
M	AVAPS System						
S	MADS Cal Date: <u>1/18/01</u>		QC Time: <u>1938</u>	Cal? ☐ Initial:	QC Time: <u>0420</u>		
	Exterior Walk Around ☒		JCS				
	Inspect DropSonde Chute Bolts						
M I S C	Satcom (Flight Phone) ☒		JCS		Off CB? ☒		
	Call COMSAT? ☐ (*292#)						
	FCU/UPS/CB				CB's Checked? ☒ JAS		
	AVAPS Sondes				# On Board: <u>48 good 1 proto</u>	# Dropped: <u>32</u>	
	APN-232 Altimeter				<u>6 Bad = 55</u>	# Good: <u>30</u>	
	Modem Power On? ☒				JAS		
	Additional Instrumentation:				Inlet Cap Removed? ☒	After Takeoff	Computer OFF? ☒
	AL Ozone Data System				L1 400Hz CB ON? ☒	Pump ON? ☒	L1 60Hz IP CB OFF? ☒
	and Inlet Probe				Probe Temp >= 40C? ☒	Before Landing	L1 400Hz CB OFF? ☒
					After Engine Start	Pump OFF? ☒	Inlet Cap In place? ☒
		L1 60 Hz IP CB ON? ☒	Data xfer to zip disk? ☒				
		Computer ON? ☒					
1	DAT Tape #1		On: <u>1939</u>	Type: <u>60</u>	Off: <u>0424</u>		
Comments:							

Please Note Any Discrepancies

[illegible]