

3005921

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

AOCWET

Flt ID: 010228N	From: KMA4	To: KMA4
Flt No.: 01 - 026	Blk In: 0442	ATA: 0436
ETD: 2045	Blk Out: 2033	ATD: 2049
ETE: 8	Blk Time: 8:02(8.2)	Flt Time: 7:49(7.8)
Sponsor Org: ETL	Program: PAC-JET	Purpose: Mission 1-DW

AOC Personnel

AC: McCann ✓	Sys Eng: Smith ✓
CP: Finke / Yates ✓	Data Sys: Hornbrook ✓
Nav:	Radar:
FE:	GPS/BT:
Avionics:	Cld Phys:
FD: Parrish	Young, D ✓

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Ralph, M. ✓	P.I.	ETL
Shapiro, M. ✓	twb	ETL
Goldenberg, S.	ILAPs	ILAP

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

308 Flt Dec 1st to PAC-JET upstream support.
 12-9/1.2 ~2100 - Smelled smoke.
 1004 Launched 29 sondes. 6 failed, most toward end. 29 msg's.
 303/4 Flew near ~915 low at DW end of pattern.
 03497
 130/4 110/2.4
 9/8 9/4
 29.98 1009

237142
227/38 977

Flight ID: 010228N AC-JET 1

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Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _s	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
2033	Out													Block Out
205045	36 45	121 58	304	305	335	11.4	-4	-18	2224	2304		757	117	↑
205830	37													
210330	37 19	123 21	296	305	343	49	-53.6	-55.3	10099	10192		254	120	↑
2128	38 30	126 23	295	301	332	44	-52.1	-53.2	12542	12548		176	86	-41K
215609	41 00	127 56	336	332	315	42	-57	-65	12572	12552		175.9	88.6	Drop 1
221406	42 45	128 59	335	332	314	32	-56.6	-65	12556	12550		175.9	88.0	Drop 2
223200	44 30	130 04	335	329	297	37	-55.9	-64.8	12514	12549		176.0	88.6	Drop 3
225033	46 15	131 15	335	327	299	45.4	-58	-66	12453	12549		176	87	Drop 4 No wind
225824	46 25	131 22	334	327	299	45	-58	-66	12451	12552		176	88	Drop 4A
231104	47 59	132 31	311	305	282	43.8	-57.5	-66.3	12382	12550		176	88.7	Drop 5
232419	48 45	134 31	298	293	274	50	-55	-65	12346	12550		176	88.6	Drop 6
234249	49 37	137 00	296	289	263	51	-52	-64	12297	12550		176	88	Drop 7
000019	50 24	139 30	295	287	254	50.4	-50.9	-62.9	12235	12553		176	88	Drop 8
001642	51 06	142 00	293	285	247	40	-50.5	-62.7	12176	12549		176	89.5	Drop 9
002859	51 36	144 00	291	282	242	44	-48.2	-60.9	12174	12548		176	87	Drop 10
004053	52 05	146 00	289	281	240	41	-47	-59	12045	12549		176	87	Drop 11
005225	52 18	147 53	2	2	226	41	-47	-59	12003	12007		176	87	Drop 12
005828	51 37	147 31	162	169	224	36	-47.4	-59.0	12031	12543		176	86	Drop 12'
010414	50 00	147 12	162	169	230	33	-46	-58	12060	12549		176	89	Drop 13
011128	50 09	146 44	162	170	230	37	-45	-57	12099	12537		176	88	Drop 13'
011726	49 30	146 27	162	171	233	37	-46	-57	12149	12537				Drop 14
013035	48 00	145 46	163	173	240	44	-48.6	-58.6	12224	12535		176.5	89	Drop 15
014347	46 30	145 06	163	176	242	54	-51	-60	12330	12533		176.5	87	Drop 16
015030	45 44	144 47	163	177	248	56	-51.3	-61	12390	12535		176	88	Drop 16'
015656	45 00	144 29	164	178	252	58	-52	-61	12438	12534		176	88	Drop 17
020953	43 30	143 54	164	177	270	52	-53.6	-61.6	12544	12531		176.6	88.1	Drop 18
022027	42 15	143 26	165	177	260	52	-56	-63	12631	12534		176.5	88	Drop 19
022340	41 50	143 18	165	178	265	51	-56.6	-64	12653	12532		176.6	88.3	Drop 19' 30" wind's low
023346	40 55	142 15	98	97	282	51	-57.9	-65	12701	12529		176.6	87.8	Drop 20 wind's high
024532	40 38	140 00	100	97	292	49	-58	-67	12712	12533				Drop 21 1/2 mi
024645	40 36	139 43	100	97	293	49	-58	-67	12712	12532		176	88	Drop 21'
025558	40 21	138 00	101	97	302	48.6	-58.5	-66.9	12719	12535		176	88	Drop 22 No wind's
0259	40 15	137 21	102	96	306	49	-58.9	-67	12719	12535		176		Drop 22' No launch
0421	37 15	122 52	120	113	12	27	-15	-47	4857	4892		548	158	↓

N49RF AVAPS DropSonde Log

N49RF Project: WINTER STORMS 2001 Flight ID 010228n

Mission: PACJET Flight #: 15 System Status: ✓ JAS

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	993 948 011	1	2156	0	50	JS/DY	PACJET 1	✓
2	990 435 421	1	2214	.5	27		2	✓
3	990 435 429	1	2232	.6	28		3	✓
4	990 435 443	1	2250	.6	-		0/05475-NO WINDS	B
5	993 925 328	2	2252	0	16		4	✓
6	990 435 413	1	2309	.7	24		5	✓
7	990 435 441	2	2324	0	28		6	✓
8	003 115 109	1	2342	0	28		7	✓
9	990 845 032	1	0000	.5	21		8	✓
10	003 115 105	2	0016	0	18		9	✓
11	990 435 414	1	0029	0	28		SLOW T RESPONSE? 10	✓
12	993 925 357	2	0040	-.6	23		DROP POINT 11	✓
13	990 435 436	3	0052	.6	26		Temp & Humidity Flashed at end 12	-
14	990 435 442	4	0058	0	28		13	✓
15	993 818 060	1	0104	0	24		14	✓
16	993 925 221	2	0111	-.4	30		15	✓
17	984 925 179	3	0117	.5	22		16	✓
18	003 115 028	4	0130	.6	17		17	✓
19	993 925 203	1	0143	0	18		18	✓
20	994 325 496	2	0150	.5	30		19	✓
21	984 325 351	3	0156	-	15		20	✓
22	990 845 166	4	0209	0	20?		21	✓
23	003 515 030	1	0220	0	30		NO T or RH 22	
24	991 018 015	2	0223	.6	14		Blup 22 0/4	✓
25	984 325 172	3	0233	.9	24		Int. Winds 23	
26	003 338 104	4	0245	0	-		NO T or RH 24	
27	003 338 124	1	0246	0	30		B / 4 24 B / 4	✓
28	993 915 046	2	0256	0			NO WINDS	
29	994 015 019	3	0258	0			NO Launch Detect	
30								
31								
32								
33								

2/28 Pre-JET FLT

Ewert

36 35 N

121 51 W $\rightarrow$ 38 35 N 126 35 W *

(1) 41 00 N

127 56.8 W

(2) 42 45 N

128 58.6 W

(3) 44 30 N

130 04.3 W

(4) 46 15 N

131 14.6 W

(5) 48 00 N

132 00 W * Π 1

(6) 48 45.1 N

134 30 W

(7) 49 36.8 N

137 00 W

(8) 50 23.7 N

139 30 W

(9) 51 05.9 N

142 00 W

(10) 51 36.6 N

144 00 W

(11) 52 04.6 N

146 00 W

(12) 52 30 N

148 00 W * Π 2

(13) 51 00 N

147 12.3

(14) 49 30 N

146 27.8 W

(15) 48 00 N

145 46.1 W

(16) 46 30 N

145 06.9

(17) 45 00 N

144 29.8

(18) 43 30 N

143 54.7

(19) ^{42 15}
~~41 15 N~~

~~143 05.3~~ 143 28.8

(20) 41 00 N

142 00 W * Π 3

(21) 40 38.1

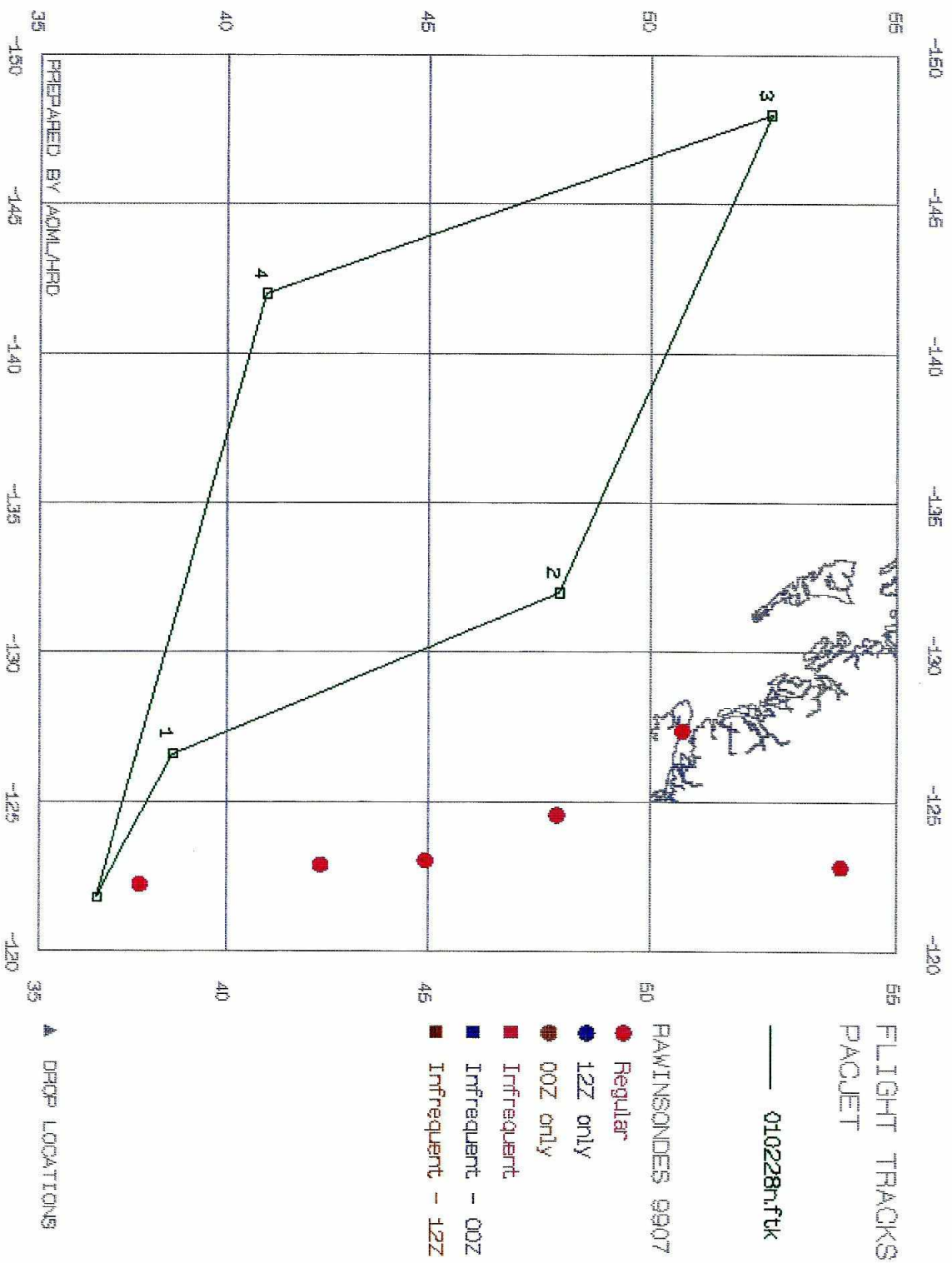
140 00 W

(22) 40 20.8 N

138 00 W

36 35 N

121 51 W *



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WINTER STORMS MISSION PLAN: PACJET

Prepared by the NCEP, AOC, AND HRD OF NOAA at 09:53:10 PM on 02/28/01.
File: 010228n.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 2047 Z

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TRACK DISTANCE TABLE

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#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	36 36	121 48		0.	0.	0:00
1	38 36	126 36		258.	258.	0:45
2	48 00	132 00		612.	870.	2:08
3	52 30	148 00		670.	1540.	3:39
4	41 00	142 00		733.	2274.	5:19
5	36 36	121 48		980.	3254.	7:42

NOAA/AOC/SED N49RE Flight Performance log

Project Name: WS2001Project No. 101Flight No. RF15Flight ID: 010228NSED Crew: Hornbrook, SmithMission: Pac JetPre-Flight: 1945

Z

Take-Off: 2047Z Landing: 0436

Z

SYSTEM			Pre-Flight Check		In-Flight		Post-Flight Check	
N A V	IRS #1		gpl					
	IRS #2		gpl					
	GPS Honeywell #1		gpl		gas			
	GPS Honeywell #2		gpl		gas			
	GPS Collins		gpl		gas			
Nose Radar - Collins					gas		Off? ☒	
T E M P	Time	Temp °C	gpl		gas		Time	Temp °C
	Temp #1	1953	15.0				0440	9.9
	Temp #2		14.3					7.6
	Temp #3		14.6					10.6
	Temp #4		13.7					9.8
	DP Left		4.5					1009.2
	DP Right		-1					1010.2
P R E S S	Attack Angle (ADCAOA)		gpl		3.7 gas			
	Slip Angle (BPx/DxPx)		gpl		gas			
	Differential (QC1/QC2)		gpl					
	Absolute (PS1/PS2)		gpl		176.4/177.6 gas			
	Check Radome Press. Lines ☒		Date: 2/10/01					
S Y S T E M	Down Port ⇒ Open? ☒		gpl				Closed? ☐	
	MADS (WINDS/DISCWIN)		gpl		gas		# DATs: 1	
	MADS Printer1 ON⇒Paper? ☒		gpl				Printer Power off? ☒	
	MADS Printer2 ON⇒Paper? ☒		gpl				Printer Power off? ☒	
	HAPS System / Time set? ☒		gpl		①		# Msg.: 21 # Fail: 10	
	AVAPS System		JAS					
	MADS Cal Date: 1/18/01		QC Time: 2017		Cal? ☐ Initial:		QC Time: 0437	
S	Exterior Walk Around ☒		JAS					
	Inspect DropSonde Chute Bolts		JAS					
M I S C	Satcom (Flight Phone) ☒		② N/A				Off CB? ☐	
	Call COMSAT? ☐ (*292#)		JAS					
	FCU/UPS/CB		CB's Checked? ☒		gpl		UPS off? ☐	
	AVAPS Sondes		# On Board: 44/5 bad		# Dropped: 29		# Good: 23	
	APN-232 Altimeter		gpl		gas			
	Modem Power On? ☒		gpl					
	Additional Instrumentation: AL Ozone Data System and Inlet Probe		Inlet Cap Removed? ☒		After Takeoff		Computer OFF? ☐	
		L1 400Hz CB ON? ☒		Pump ON? ☒		L1 60Hz IP CB OFF? ☐		
		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: 2016		Type: 60		Off: 0442	
Comments:								

Please Note Any Discrepancies

Item No.	Zulu Time	Problem Description & Observations	Emp. Initials
1	2120	Haps Shutdown by itself - burned Cap small - Haps remarked O.K.	
2	2225	SATCOM MESSAGE "SORRY Equipment Failure" - Reset Satcom Switch	JNS
1	2141	Check Ozone 41° & 40° Pumps O.K.	Yfr
2	2244	Check Ozone 38° & 38° Pump O.K.	Yfr
3	0003	Check Ozone 43° & 44° Pump O.K. Hot	Yfr
4	0046	Check Ozone 42° & 41° Pump O.K. Hot	Yfr
5	0124	Check Ozone 41° & 41° Pump O.K. Hot	Jas
6	0202	Check Ozone 36° & 37° Pump O.K. Hot	Jas
7	0303	Check Ozone 44° & 45° Pump O.K. - Hot	Jas
8	0326	Check Ozone 34° & 36° Pump O.K. - Hot	Jas