

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

AOCWFI

Flt ID: 020122N	From: PANL	To: PANL
Flt No: 02-21	Blk In: 0326Z	ATA: 0322Z
ETD: 1945Z	Blk Out: 1935Z	ATD: 1943Z
ETE: 0315Z	Blk Time: 7:51 7.9	Flt Time: 7:39 7.7
Sponsor Org: NOAA/NWS	Program: WS2002	Purpose: TRACK 26

AOC Personnel

AC: MCCANN, B ✓	Sys Eng: HORN BROOK, C ✓
CP: MAXSON, B / POSTON, R ✓	Data Sys: MCNAMARA, R ✓
Nav:	Radar:
FE: KITSON, B	GPS/BT: LINO, D ✓
FD: CZYZYK, S ✓	Cld Phys:
Avionics:	PM: PARRISH, J ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
JAKOVBEK, R ✓	O3	NOAA/AL

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

WSWSL TRACK 26 LW

ONLY ROOM FOR 2 DIGITS IN LON NOT 3
STARTED USING N/A IN RH FL 20018

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AOCW/F2

Flt ID: 020122N

Time Off: 1943Z

Time On: 0322Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1001.7	29.69	993.7	29.46

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	1	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
CD	1	
AXBT		
AXCP		
AXCTD		
Dropsondes	30	3 NO WIND
	27	XMITTED

Video

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

Remarks

N49RF AVAPS DropSonde Log

N49RF Project: WJ 2002

Flight ID 020122N

Mission: Anchorage

Flight #: 1

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	003 135 343	1	2023	0	28	R	Lost Telemetry	
2	003 115 235	2	2036	0	14	R		✓
3	003 115 073	1	2049	0.6	22	R		✓
4	003 115 389	2	2102	0.5	11	R	Intermittent winds	
5	003 135 027	1	2113	0	19	R	Lost telemetry at read	
6	003 115 072	2	2126	0	24	R		✓
7	003 115 242	1	2138	0	34	R		✓
8	003 115 284	2	2149	0.4	12	R		✓
9	005 135 031	1	2201	0	Late	R	Late winds	
10	003 115 240	3	2202	0	No	R	Back to DP9 No Winds / Op Error	
11	003 115 236	2	2213	0.5	16	R		✓
12	003 135 026	1	2225	0.4	11	R		
13	003 135 025	2	2238	0	30	YH		✓
14	003 135 023	1	2250	0	30	YH		✓
15	013 915 031	2	2307	.7	29	YH		✓
16	013 915 070	1	2322	.4	16	YH		✓
17	013 978 143	2	2338	0	21	YH		✓
18	013 945 068	1	2358	.4		YH	No winds	
19	013 968 003	3	2359	.5	16	YH		✓
20	013 945 205	2	0015	0	18	YH		✓
21	013 978 142	1	0034	0	46	CFL		✓
22	013 968 001	2	0050	.4	18	CFH		✓
23	003 155 045	1	0107	0.7	11	RJM		✓
24	013 915 076	2	0123	0.5	20	RJM		✓
25	013 945 202	1	0138	0.6		RJM	NO WINDS	
26	013 945 199	3	0140	0.5	16	RJM		✓
27	013 945 203	2	0154	0.6	9	RJM		✓
28	013 978 147	1	0210	0.4	←	RJM	LATE WINDS	✓
29	003 135 028	2	0225	0.3	26	RJM		✓
30	013 915 041	1	0241	0.5	17	RJM		✓
31								
32								
33								

G-IV Dropsonde Transmission Log

Proj. Name: WS2002

Mission ID: ~~WS2002~~ 020122N

Launch Time	Transmit Time	Dropsonde ID SN#	OB #
202328	2048	003135343	1
203614	2101	003115235	2
204924	2111	003115073	3
210209	2124	003115389	4
211326	2136	003135027	5
212605	2145	003115072	6
213829	2157	003115242	7
214959	2211	003115072	8
220129	2224	003135031	9
220256		003115240 BACKUP NO WIND	10
221321	2238	003115236	11
222536	2249	003135026	12
223803	2330	003135025	13
225027	2332	003135023	14
230714	2333	013915031	15
232252	2355	013915070	16
233832	0008	013978143	17
235752		013945068 NO WIND	18
235925	0022	013968003 BACKUP	19
0001538	0054	013945205	20
003402	0104	013978142	21
005054	0117	013968001	22
010706	0148	003155045	23
012303	0200	013915076	
013848		013945202 NO WIND	
014038	0217	013945199 BACKUP	

G-IV Dropsonde Transmission Log

Proj. Name: WS2002

Mission ID: 020122N

[illegible]

020122N

1943 - 2723

GPCLAT SPIKE 2056:30-2057:30, 2120:30-2121:30,
2150-2151, 2218-2219, 2232:30-2235,
2254-2255, 2336-2337, 2358-2359, 0020-0023
0042-0043, 0050-0051, 0120-0121,

HGR32 SPIKE 2007:30-2008, 2135-2136, 0015:30-0016:30,

ADCSAT M0BS NEW -64c

TASZ

TI2

AP2

BP2

DAP2

DBP2

DPRC

LAT-PTR

LOM-PTR

VEW

VNS-PTR

VSPD-PTR

PSZM

QCM

ROLL-PTR

THOG-PTR

Drop #9 1020.8 ms 5.6 °C 70% RH WD 316 WS 8.2 New 1.8
 LAT 46.04 Lon -128.33 SPLASH 221503Z m/s
 46005 LAT 46.05 Lon -131.02 OB 220000Z
 1019.7 6.7 °C 290 6.0 m/s
 (71 NM)

Drop #11 1023.1 7.8 69% 271 4.3 2.8
 LAT 42.08 Lon -128.37 SPLASH 22385Z
 46002 LAT 42.57 Lon -130.32 OB 230000Z
 1022.4 7.9 220 2.0
 (92 NM) COND. VARIABLE

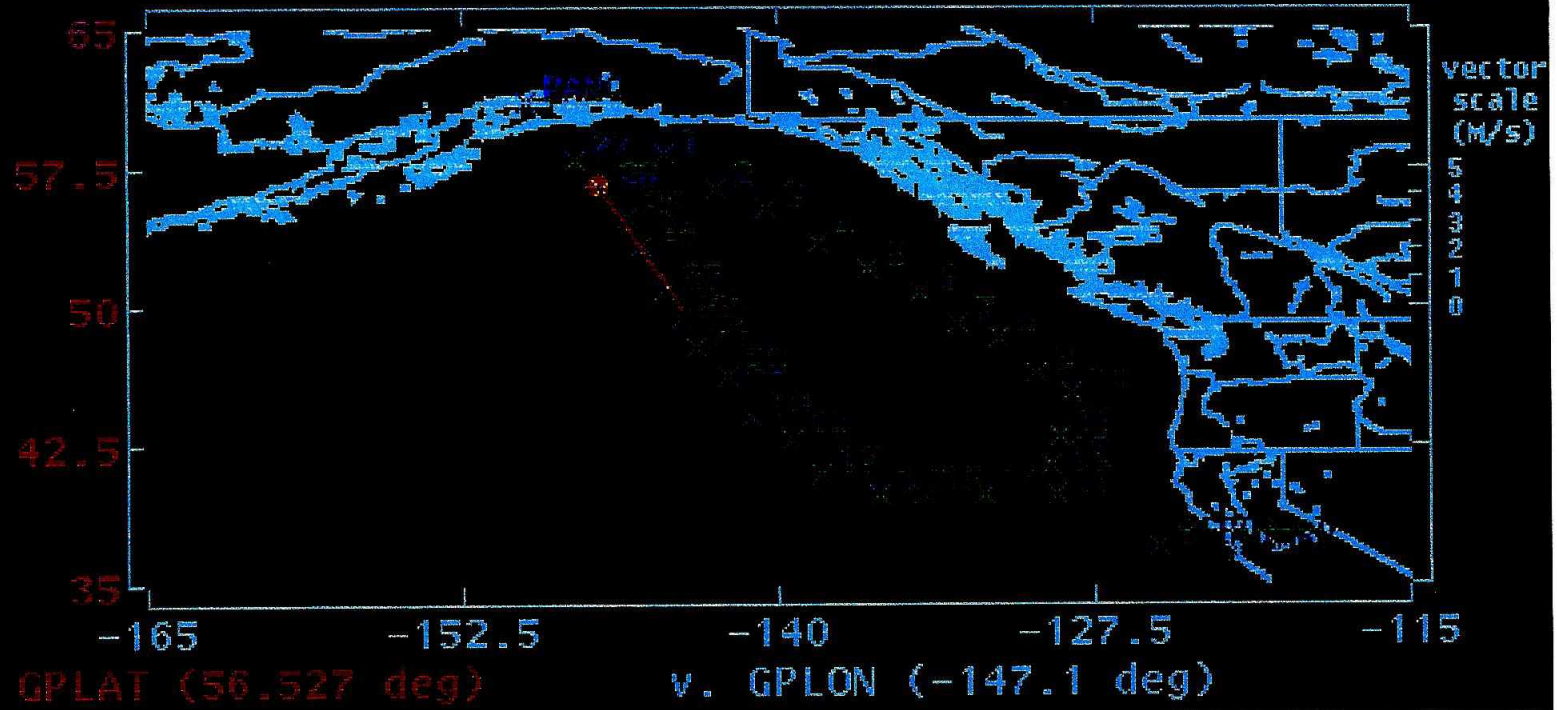
Drop #17 8.4
 23575Z 1026.2 10.0 90% 001114Z
 LAT
 235925 1026.3 9.6 89% 306 12.3 7.9
 (16 NM) LAT 41.00 Lon -137.78 001251Z
 46006 40.84 -137.49 OB 000000Z
 1025.2 10.5

Drop #26 9.2
 022546 988.2 3.3 90% 235° 13.3 1.7
 (51 NM) LAT 56.37 Lon -146.48 003915Z
 46001 LAT 56.30 Lon -148.17 OB 030000Z
 986.7 3.5 250° 12.0

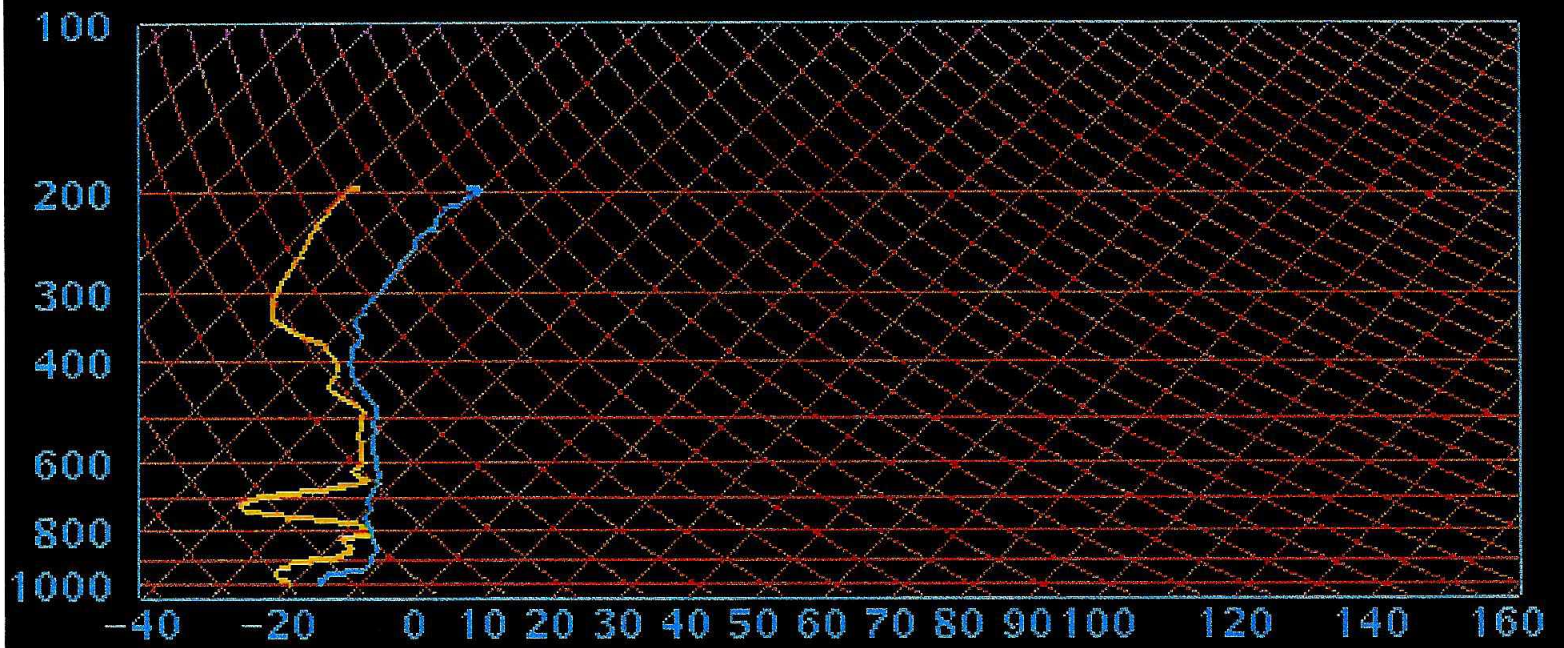
January 22, 2002
Track 26

PANC	61.17N	149.99W	WSWSC TRACK 26 CW
Drop 1	57.75N	144.25W	
Drop 2	56.25N	142.25W	
Drop 3	54.75N	140.25W	
Drop 4	53.25N	138.25W	46184
Drop 5	52.00N	136.25W	46004
Drop 6	50.50N	134.25W	
Drop 7	49.00N	132.50W	
Drop 8	47.75N	130.75W	
Drop 9	46.25N	129.50W	46005
Drop 10	44.75N	128.25W	
Drop 11	43.00N	128.50W	46002
Drop 12	41.25N	128.75W	
Drop 13	39.50N	129.00W	
Drop 14	39.50N	131.50W	
Drop 15	39.50N	133.75W	
Drop 16	39.50N	136.00W	46006
Drop 17	41.00N	137.75W	
Drop 18	42.50N	139.25W	
Drop 19	44.00N	141.00W	
Drop 20	45.75N	142.00W	
Drop 21	47.50N	142.75W	
Drop 22	49.25N	143.50W	
Drop 23	51.00N	144.45W	
Drop 24	52.75N	145.25W	
Drop 25	54.50N	146.00W	
Drop 26	56.25N	147.00W	46001
Drop 27	58.00N	148.00W	
PANC	61.17N	149.99W	

01:28:37 to 02:28:13



19:43:21 to 20:11:25



DPXC (-66.98 C)

v. PSXC (195.89 mbar)

ATX (-51.48 C)

v. PSXC (195.89 mbar)

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms Project No. 201 Flight No. 1 Flight ID: 020122N
 SED Crew: Hornbaker, Lino, McNamara Mission: USWSC Track 26 CW
 Pre-Flight: 1850 Z Take-Off: 1942 Z Landing: 0322 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1					
	IRS #2					
	GPS Honeywell #1					
	GPS Honeywell #2					
	GPS Collins				Off? ☒	
	Nose Radar - Collins				Off? ☒	
T E M P / D P		Time	Temp °C		Time	Temp °C
	Temp #1	1905	-6.1			
	Temp #2		-7.1			
	Temp #3		-7.1			
	Temp #4		-7.2			
	DP Left		-24.6		Cal. Time:	
	DP Right		-23.7		Cal. Time:	
	CRYO	N/A				
P R E S S	Attack Angle (ADCAOA)					
	Angle of Attack (APx, DAPx)					
	Sideslip (BPx, DBPx)					
	Static Pressure (PS1M, PS2M)					
	Dynamic Pressure (QCxM)					
	Radome Press. Lines	Checked? ☒ Date: 9/2/01				
S Y S T E M S	SATCOM (Flight Phone) ☒	DL		Off CB? ☒		
	Call COMSAT? ☐ (*292#)	CB's Checked? ☒				
	Iridium Phone	ON? ☒		OFF? ☒		
	FCU/UPS/CB			UPS off? ☒		
	MADS (WINDS/DISCWIN)			# DATs: 1		
	Printer 1 (lp1)	Power? ☒ Paper? ☒		Printer Power off? ☒		
	MADS Cal. Date:	QC time: 1937		QC time: 0325		
	HAPS System	Time set? ☐		# Msg.: — # Fail: —		
	AVAPS System	DL				
M I S C	Exterior Walk Around ☒	RJM				
	Inspect Drop Sonde Chute Bolts	DL				
M I S C	Down Port Door (Ozone Inst.)	Cover OFF? ☒		Cover ON? ☒ RJM		
	AVAPS Sondes	# On Board: 61	# Dropped: 30	# Good: 27		
	Sci. Power Monitor					
	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				

1	DAT Tape #1	On: 1935	Type: 60	Off: 0326
	Comments:			

Please Note Any Discrepancies

[illegible]