

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

AOCWF-1

Flt ID: 020126N	From: KAN PANIC	To: PANIC
Flt No: 02-22	Blk In: 0244Z	ATA: 0241Z
ETD: 20Z	Blk Out: 1946Z	ATD: 1952Z
ETE: 03Z	Blk Time: 6:58 7.0	Flt Time: 6:49 6.8
Sponsor Org: NOAA/NWS	Program: WS2002	Purpose: MISSION #2 TRACK 25CW

AOC Personnel

AC: MCCANN, B	Sys Eng: HARBROOK, C
CP: MAXSON, B / POSTON, R	Data Sys: LINO, D
Nav:	Radar:
FE: KITSON, G	GPS/BT: MCNAMARA, R ✓
FD: C2424K, 5 ✓	Cld Phys:
Avionics:	PM: PARRISH, J ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation

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

WSWSC TRACK 25CW

PAEN
PAFAPAAC 0304 10sm few 2-5K QKD GK BK 10K
-17/-21 30.03

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

AOCWF2

Flt ID: 020126N Time Off: 1952Z Time On: 0241Z

	AC (Take Off)	Wx Station (Take Off)	AC (Land)	Wx Station (Land)
Pressure	1014.5	30.07	1013.5	30.02

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	1	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
CD	1	
AXBT		
AXCP		
AXCTD		
Dropsondes	20	18 km. TIED (2 no wind)

Video

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

Remarks

Flight ID:

020126N

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Form 413-50

TIME	LAT	LONG	TK	#D	TA	TD	WD	WS	PA	GA	SP	QC	REMARKS
201300	5934	15212	213	220	-53.8	-70.5	202	33.2	11288	10925	216.1	99.2	LEVEL 37K
201630	5914	15238	213	219	-53.1	-70.8	293	31.3	11887	11558	196.2	92.1	LEVEL 39K
204020	5645	15530	217	225	-52.8	-69.0	296	35.9	11903	11675	195.7	96.4	DROP #1 INT. WIND
204206	5635	15545	220	228	-53.9	-69.1	297	35.6	11903	11688	195.7	96.9	DROP #1A
205932	5500	15800	220	229	-60.0	-72.5	291	40.2	11900	11757	195.8	95.1	DROP #2
211945	5315	16030	223	229	-57.6	-72.3	282	32.3	11906	11823	195.6	96.8	DROP #3
214140	5130	16315	227	231	-57.2	-72.3	259	33.8	11900	11885	195.8	95.3	DROP #4
													CLIMB 2149Z
215300	5043	16444			-53.9	-72.0	264	29.9	12482	12515	178.0	85.4	LEVEL 41K
220250	5000	16600	231	234	-51.0	-69.1	261	32.5	12483	12557	178.0	87.9	DROP #5
220432	4830	16449		264	-49.8	-67.9	253	33.5	12481	12557	178.1	87.1	DROP #6 LLJ
224542	4830	17215	270	265	-48.6	-67.4	235	34.8	12480	12510	178.1	87.4	DROP #7 LLJ
230816	4830	17600	270	264	-50.0	-66.9	230	32.4	12480	12453	178.1	87.3	DROP #8 C FNT
232600	4834	17902	308	300	-47.2	-65.8	224	33.2	12487	12379	178.9	87.1	DROP #9
234401	5030	17900	335	329	-46.3	-65.0	218	27.1	12489	12278	177.8	86.0	DROP #10
000007	5231	17749			-45.2	-64.6	208	28.8	12492	12218	177.7	86.6	DROP #11
001543	5430	17930	25	23	-43.8	-63.3	210	31.0	12495	12209	177.7	87.0	DROP #12 11.5
003035	564	189	51		-42.6	-63.7	218	35	12478	12173	178.1	86	DROP #13 8.5
004643	56.5	174.9	89	93	-45.7	-62.1	230	32	12483	12243	178.0	87.7	DROP #14 04.5
010141	56.5	171.2	90	92	-46.7	-62.0	240	30	12483	12288	178	86	DROP #15 02.9
011534	56.5	167.7	900	90.5	-48.4	-64.5	252	24	12484	12322	178	87.6	DROP #16
013017	56.5	163.9	2	2	-50	-64	269	24	12487	12342	177.9	87.6	DROP #17
014604	5730	16030			-52.3	-68.0	277	25.8	12488	12318	177.9	87.4	DROP #18
014737	5737	16010			-52.6	-68.2	277	27.4	12490	12313	177.8	87.0	DROP #18A

N49RF AVAPS DropSonde Log

N49RF Project: WS 2002

Flight ID 020/26 N

Mission: WSWS Track 25CW Flight #: RF 2

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	013 915 075	1	2040	.7		U/R	Late / Int Winds	
2	003 155 047	3	2042	0	31	U/R		✓
3	013 968 107	1	2059	0	44	U/R		✓
4	013 945 066	1	2119	.7	32	U/R		✓
5	003 135 332	1	2141	.5	27	U/R		✓
5 6	013 978 148	1	2202	.5	22	U/R		✓
6 7	003 135 072	1	2224	.4	28	U/R		✓
7 8	003 135 097	1	2245	0.4	26	RJM		✓
8 9	003 135 335	1	2208	0.	29	RJM		✓
9 10	003 135 336	3	2326	0	53	RJM		✓
10 11	003 135 024	1	2344	0.3	25	RJM		✓
11 12	003 135 032	3	0000	0.3	23	RJM		✓
12 13	003 135 034	1	0015	0.2	23	RJM		✓
13 14	003 135 098	2	0030	0.4	18	R		✓
14 15	003 135 096	1	0046	0	15	R		✓ 75C
15 16	003 115 241	2	0101	0	24	R		✓
16 17	003 135 095	1	0115	0	37	R		✓
17 18	003 135 330	2	0130	0	21	R		✓ 806
18 19	003 135 331	1	0146	0	—	R	Late / Int Winds	
19 20	003 148 118	3	0147	0	25	R		✓
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

G-IV Dropsonde Transmission Log

Proj. Name: WS2002

Mission ID: 020126N

[illegible]

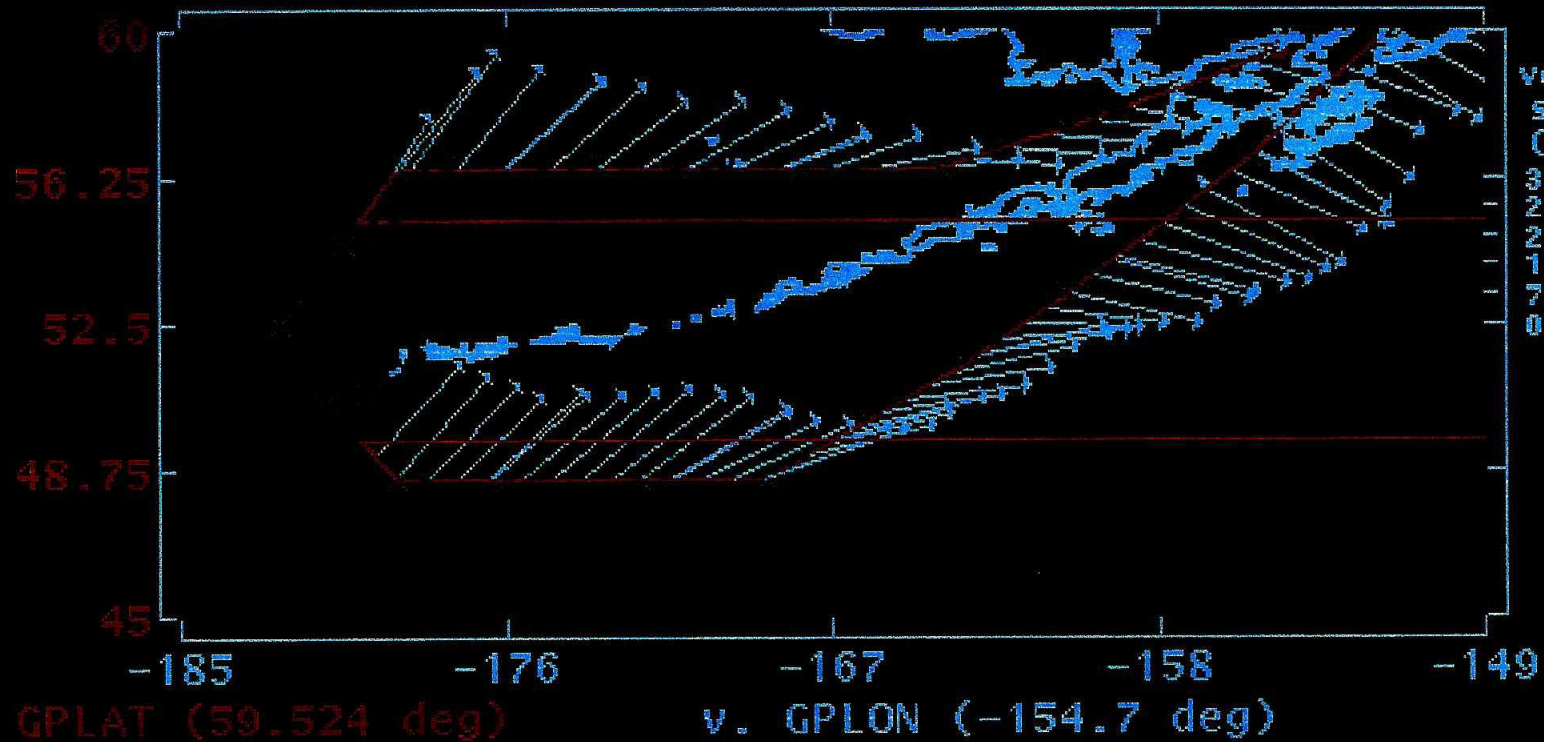
020126N

1953 - 0240
2017 - 2619

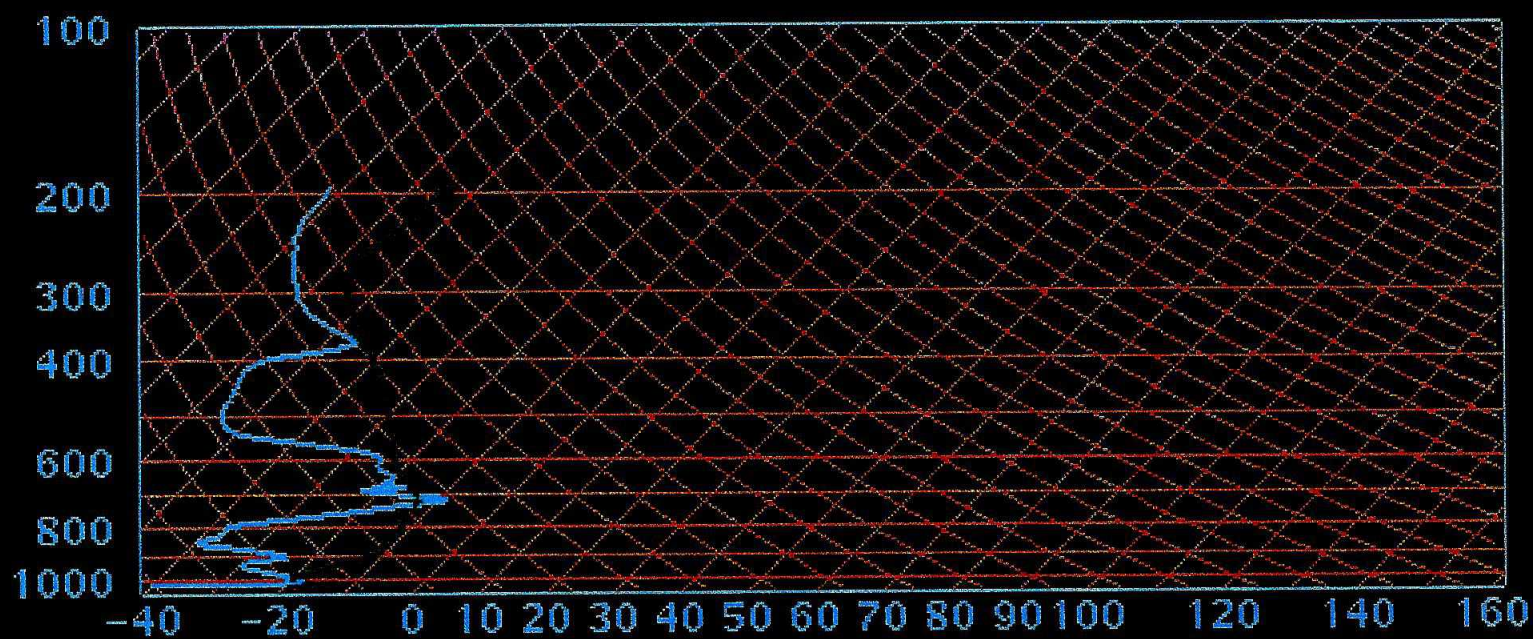
6PGMT APS/SPICE 2024-2025, 2036-2037, 2058-2059,
2128-2129, 2130-2131, 2202-2205:30, 2232-2233,
2248-2249, 2332-2333, 2359:30-0000:30,
0118-0119:30, 0202-0203, 0226-0227,

6M232 SPICE 0154-0155

TASZ
APZ
ATZ
BPZ
DAPZ
DBPZ
DPRC
LAT
LON-PTR
VEW
VNS-PTR
PSZM
QCZM
ROLL-PTR
THDG-PTR
PTCH-PTR
USPO-PTR



19:40:51 to 20:17:17

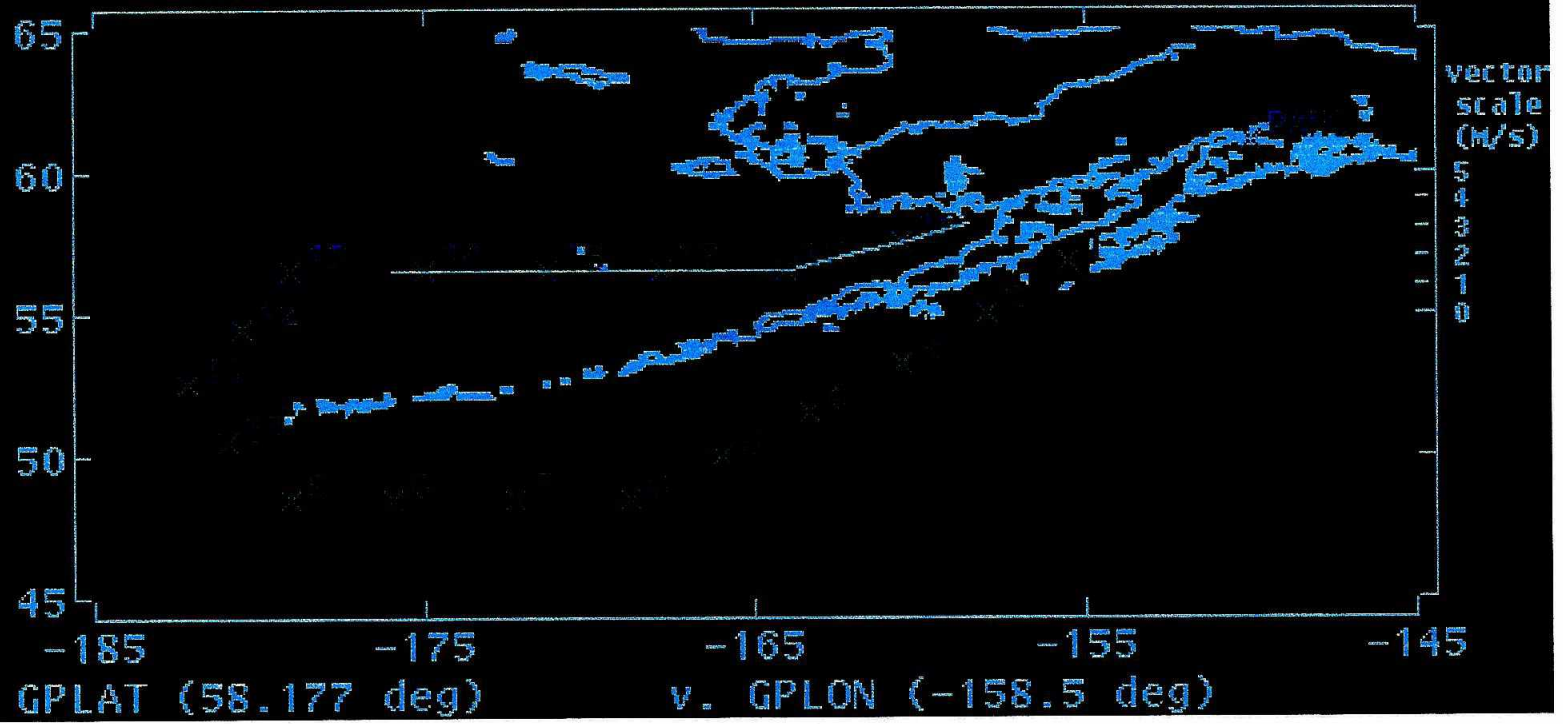


DPXC (-70.76 C)

v. PSXC (196.11 mbar)

v. PSXC (196.11 mbar)

00:42:48 to 01:55:21



NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storm Project No. 201 Flight No. 2 Flight ID: 020126NSED Crew: Hornbrock, Lino, McNamara Mission: WSRX Track 25 CidPre-Flight: 1845 Z Take-Off: 1951 Z Landing: 0240 Z

SYSTEM		Pre-Flight Check		In-Flight		Post-Flight Check		
N A V	IRS #1		<u>✓ R</u>					
	IRS #2		<u>✓ R</u>					
	GPS Honeywell #1		<u>✓ R</u>					
	GPS Honeywell #2		<u>✓ R</u>					
	GPS Collins		<u>✓ R</u>			Off? ☒		
	Nose Radar - Collins					Off? ☒		
T E M P / D P		Time	Temp °C				Time	Temp °C
	Temp #1	<u>1909</u>	<u>-15.51</u>	<u>✓ R</u>				
	Temp #2	<u>↓</u>	<u>-15.92</u>	<u>✓ R</u>				
	Temp #3	<u>↓</u>	<u>-16.37</u>	<u>✓ R</u>				
	Temp #4	<u>↓</u>	<u>-14.93</u>	<u>✓ R</u>				
	DP Left	<u>↓</u>	<u>-49.35</u>	<u>✓ R</u>	Cal. Time: <u>—</u>			
	DP Right	<u>↓</u>	<u>-51.53</u>	<u>✓ R</u>	Cal. Time: <u>—</u>			
	Cryo	<u>N1</u>	<u>—</u>	<u>Check Plugs</u>				
P R E S S	Attack Angle (ADCAOA)		<u>✓ R</u>					
	Angle of Attack (APx, DAPx)		<u>✓ R</u>					
	Sideslip (BPx, DBPx)		<u>✓ R</u>					
	Static Pressure (PS1M, PS2M)		<u>✓ R</u>					
	Dynamic Pressure (QCxM)		<u>✓ R</u>					
	Radome Press. Lines		Checked? ☒ Date: <u>1/25/02</u>					
S Y S T E M S	SATCOM (Flight Phone) ☒		<u>✓ CH</u>			Off CB? ☒		
	Call COMSAT? ☐ (*292#) <u>MC</u>		CB's Checked? ☒ <u>CH</u>					
	Iridium Phone		ON? ☒ <u>CH</u>			OFF? ☒		
	FCU/UPS/CB		<u>✓ R</u>			UPS off? ☐		
	MADS (WINDS/DISCWIN)		<u>✓ R</u>			# DATs: <u>1</u>		
	Printer 1 (lp1)		Power? ☒ Paper? ☒			Printer Power off? ☒		
	MADS Cal. Date:		QC time: <u>1939</u> <u>✓ R</u>			QC time: <u>0241</u>		
	HAPS System		Time set? ☐ <u>OFF</u>			# Msg.: <u>—</u> # Fail: <u>—</u>		
	AVAPS System		<u>✓ RM</u>					
	Exterior Walk Around ☒		<u>✓ CH</u>					
	Inspect Drop Sonde Chute Bolts		<u>✓ RM</u>					
M I S C	Down Port Door (Ozone Inst.)		Cover OFF? ☒ <u>CH</u>			Cover ON? ☒		
	AVAPS Sondes		# On Board: <u>64</u>	# Dropped: <u>20</u>		# Good: <u>18</u>		
	Sci. Power Monitor		<u>✓ CH</u>					
	APN-232 Altimeter		<u>✓ R</u>					
	Modem		Power On? ☒ <u>CH</u>					
	Additional Instrumentation:		L1 60Hz IP CB ON? ☒ <u>CH</u>	After Take Off		L1 60Hz IP CB OFF? ☒		
	AL Ozone Data System		L1 400Hz CB ON? ☒ <u>CH</u>	L1 Pump Switch ON? ☒		L1 400Hz CB OFF? ☒		
		Computer ON? ☒ <u>CH</u>			Computer OFF? ☒			
	Crew Responsibilities Assigned							

1	DAT Tape #1	On: <u>1938</u>	Type: <u>Sony GOR</u>	Off: <u>0244</u>
	Comments:			

[illegible]