

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

AOCWFI

Flt ID: 020207N	From: PANC	To: PANC
Flt No: 02-26	Blk In: 0252Z	ATA: 0245Z
ETD: 20Z	Blk Out: 1946Z	ATD: 1954Z
ETE: 03Z	Blk Time: 7:00 7.1	Flt Time: 6:51 6.9
Sponsor Org: NOAA/NWS	Program: WS2602	Purpose: MISSION # 6 TRACK 20CC

AOC Personnel

AC: MCCANN, B ✓	Sys Eng: HORN BROOK, C ✓
CP: POSTON, RY ✓ VATES, G ✓	Data Sys: LIND, D ✓
Nav:	Radar:
FE: KITSON, G ✓ / ROTHEVEEL, K ✓	GPS/BT: MCNAMARA, R ✓
FD: CZYZYK, S ✓	Cld Phys:
Avionics:	Pm: PARRISH, J ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DORO, R ✓	MEDIA	AP
GRILLO, A ✓	"	"

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

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

AOCWF2

Flt ID: 020207N

Time Off: 1954Z

Time On: 0245Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1001.2	29.66	1003.1	28.69
	Number	Data Disposition / Date / Quality		
Flt Lvl Tapes	1			
Radar Tapes				
Cloud Physics Tapes				
Video Tapes				
CD	1			
AXBT				
AXCP				
AXCTD				
Dropsondes	28	26 XMIT 1 NO LAUNCH DETECT, 1 NO RH		

Video

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

Remarks

Flight ID:

020207N

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Form 413-50

TIME	Lat	Lon	TK	HD	TA	TD	WD	WS	PA	GA	PS	AC	REMARKS
2009-	60 00	150 00	189	189	-57.7	-66.6	215	15.2	9159	8491	300.0	135.7	300 m0
201548	59 15	150 15	188	189	-50.5	-67.3	227	17.0	11460	10741	210.2	96.9	Drop #1
203048	5730	150 30	180	181	-50.3	-65.5	225	15.3	11903	11231	195.7	95.4	Drop #2
204533	5545	150 15	175	177	-49.6	-67.3	226	16.1	11908	11257	195.6	96.0	Drop #3
210013	5400	150 00	178	181	-48.7	-66.6	224	18.0	11907	11307	195.6	95.8	Drop #4
211703	5200	150 00	180	183	-49.9	-66.8	237	19.1	11908	11341	195.6	95.5	Drop #5
213343	5000	150 00	177	181	-51.4	-67.9	247	24.1	11909	11357	195.6	96.2	Drop #6
214828	48 15	149 45	174	181	-51.1	-68.2	251	36.3	11914	11462	195.4	97.6	Drop #7
220105	4645	4930	171	179	-55.9	-70.1	256	37.5	11914	11534	195.4	96.4	Drop #8
221545	4500	149 00	167	177	-58.8	-72.0	260	44.9	11912	11617	195.4	97.0	Drop #9
222837	4330	14830	167	178	-63.6	-74.6	259	51.2	11910	11692	195.5	96.1	Drop #10 LT Turn
224115	4200	14756	-	-	-60.8	-74.2	263	48.1	11904	11756	195.7	94.9	Drop #11
2250													CLIMB
225408	4115	14545											Drop #12
230838	4030	14315	188	111	-59.7	-71.4	263	40.8	12486	12447	177.7	86.8	Drop #13
232131	4004	14030	~	~	-62	-73	261	45.2	12489	12468	177.8	85.9	Drop #14
233607	4145	13930	31.8	22.5	-57	-72	269	39.5	12493	12393	177.7	86.5	Drop #15
234922	4315	13815	28.9	18.9	-54	-70	273	38.3	12495	12322	177.6	86.6	Drop #16
0004	4301	13701	~	~	-53	-69	275	32.8	12492	12232	177.7	87.4	Drop #17 DOAH
0006	41516	13709	838	330	-52.9	-69	275	33.8	12496	12230	177.6	87.9	Drop #17A
0020	41645	13800	336	329	-52	-68	283	32	12494	12176	177.7	87.8	Drop #18
0035	4817	13901											Drop #19 No launch detected
003626	4823	13904	340	333	-51.3	-68.7	281	30.1	12493	12124	177.7	87.7	Drop #19A
005115	5000	14000	338	331	-50.2	-67.9	279	28.3	12493	12071	177.7	87.0	Drop #20
010504	5130	14100	338	333	-51.3	-67.9	281	19.6	12491	12029	177.8	87.6	Drop #21
011837	5300	14200	339	334	-50.6	-67.8	274	18.6	12489	11993	177.8	87.2	Drop #22
013154	5430	14300	341	336	-50.3	-67.9	255	17.3	12491	11961	177.8	87.2	Drop #23
014642	5615	14400	339	333	-49.5	-66.9	248	19.5	12490	11921	177.8	87.4	Drop #24
0159	5745	14515	338	333	-49.8	-67.1	247	16.8	12494	11889	177.7	87.7	Drop #25
021230	5915	14615	325	319	-48.5	-66.5	245	18.3	12489	11851	177.8	87.7	Drop #26

N49RF AVAPS DropSonde Log

N49RF Project: WS 2002 Flight ID 020207A

Mission: Track 20 Flight #: RF06 System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	003 475 105	1	2015	0	26	✓		✓
2	003 475 060	2	2030	0	21	✓		✓
3	003 248 065	1	2045	0.4	16	✓		✓
4	003 438 050	2	2100	0.4	25	✓		✓
5	003 475 067	1	2117	0	16	✓		✓
6	003 438 047	2	2133	0.5	30	✓		✓
7	003 515 108	1	2148	0	23	✓		✓
8	003 475 069	2	2201	0	45	✓		✓
9	003 438 049	1	2215	0	17	✓		✓
10	003 218 072	2	2228	0.4	17	RJM		✓
11	003 475 114	1	2241	0	23	RJM	Lost TELEMETRY @ 2819mb	✓
12	990 435 450	2	2254	0.7	16	RJM		✓
13	990 415 136	1	2308	0.8	32	RJM		✓
14	992 515 713	2	2321	0.8	17	RJM		✓
15	003 475 061	1	2336	0	37	RJM		✓
16	990 935 093	2	2349	-0.3	21	RJM	WEAK TELEMETRY	✓
17	013 718 028	1	0004	0.5	6	RJM	NO HUMIDITY WEAK TELEMETRY	✓
18	003 338 092	3	0006	0.4	13	RJM		✓
19	990 245 008	2	0020	0.8	25	RJM		✓
20	003 515 109	1	0035	.4		✓	NO Launch Detect	✓
21	990 845 002	3	0036	.8	29	✓		✓
22	013 718 015	1	0051	.4	10	✓		✓
23	003 238 109	2	0105	0	26	✓		✓
24	993 915 103	1	0118	.5	29	✓		✓
25	013 945 055	2	0131	.5	29	✓		✓
26	003 248 069	1	0146	.4	27	✓		✓
27	003 475 066	2	0159	0	28	✓		✓
28	990 838 015	1	0212	.4	31	✓		✓
29	985 035 156			0				
30								
31								
32								
33								

63
28
TODAY

10/15/02

G-IV Dropsonde Transmission Log

Proj. Name: WS2002

Mission ID: 020207N

TRACK 2000

Launch Time	Transmit Time	Serial #	Surf. Pres.	OB #
201558	2044Z	003475105	1004.9	1
203049	2055Z	003475060	1006.9	2
204532	2108Z	003248065	1007.8	3
210014	2129Z	003438050	1008.7	4
211703	2145Z	003475067	1011.5	5 (4)
213343	2155Z	003438047	1012.9	6
214822	2219Z	003515108	1015.4	7
220104	2233Z	003475906	1017.1	8
221546	2241Z	003438049	1018.2	9
222838	2255Z	003248072	1019.4	10
224115	2303Z	003475114	E1020.2	11
225409	2318Z	990435450	1020.5	12
230840	2331Z	990415136	1022	13
232131	2347Z	992515713	E1020	14
233607	2358Z	003475061	1020	15
234922	001740Z	990935093	E1015.6	16
000437		013718028		No Alt
000641	0034Z	003338092	1011.4	17
002049	0046Z	990245008	1009.8	18
003115		003515109		No Launch Detect
003629	0059Z	990845002	1009.4	19
005115	0115Z	013718015	1009.5	20
010504	0128Z/0211Z	003338109	1009.9	(21)
011839	0153Z	993915103	E1012.7	22 201400m FAILURE
013154	0203Z	013945055	1008.3	23
014642	0218Z	003248069	1008.2	24

G-IV Dropsonde Transmission Log

Proj. Name: WS2002

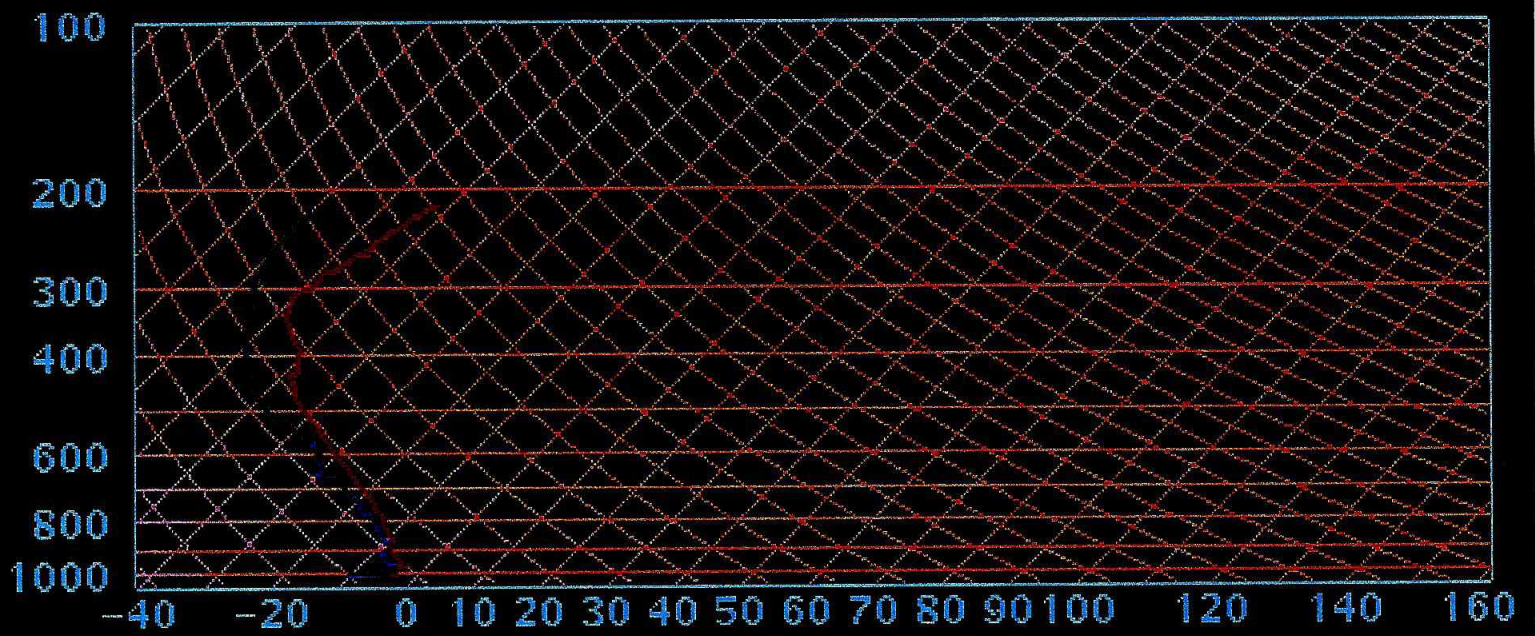
Mission ID: 020207N TRACK20CC

[illegible]

February 7, 2002
WSR Track 20 CC (Counter Clockwise)

PANC	61 10.5N	149 59.8W
Drop 1	59 15N	150 15W 1006 Turn Point, First Drop
Drop 2	57 30N	150 30W 1007 Turn Point
Drop 3	55 45N	150 15W 1008
Drop 4	54 00N	150 00W 1009 Turn Point
Drop 5	52 00N	150 00W 1011
Drop 6	50 00N	150 00W 1013
Drop 7	48 15N	149 45W 1014 Turn Point
Drop 8	46 45N	149 30W 1017
Drop 9	45 00N	149 00W 1017
Drop 10	43 30N	148 30W 1017
Drop 11	42 00N	148 00W 1016 Turn Point
Drop 12	41 15N	145 45W 1018
Drop 13	40 30N	143 15W 1020
Drop 14	40 00N	141 00W 1021 Turn Point
Drop 15	41 45N	139 30W 1021
Drop 16	43 15N	138 15W 1019
Drop 17	45 00N	137 00W 1012 Turn Point
Drop 18	46 45N	138 00W 1010
Drop 19	48 15N	139 00W 1007
Drop 20	50 00N	140 00W ?
Drop 21	51 30N	141 00W ?
Drop 22	53 00N	142 00W ?
Drop 23	54 30N	143 00W ?
Drop 24	56 15N	144 00W ? Turn Point
Drop 25	57 45N	145 15W ?
Drop 26	59 15N	146 15W 1006 Turn Point, Last Drop
PANC	61 10.5N	149 59.8W

19:53:00 to 20:15:05



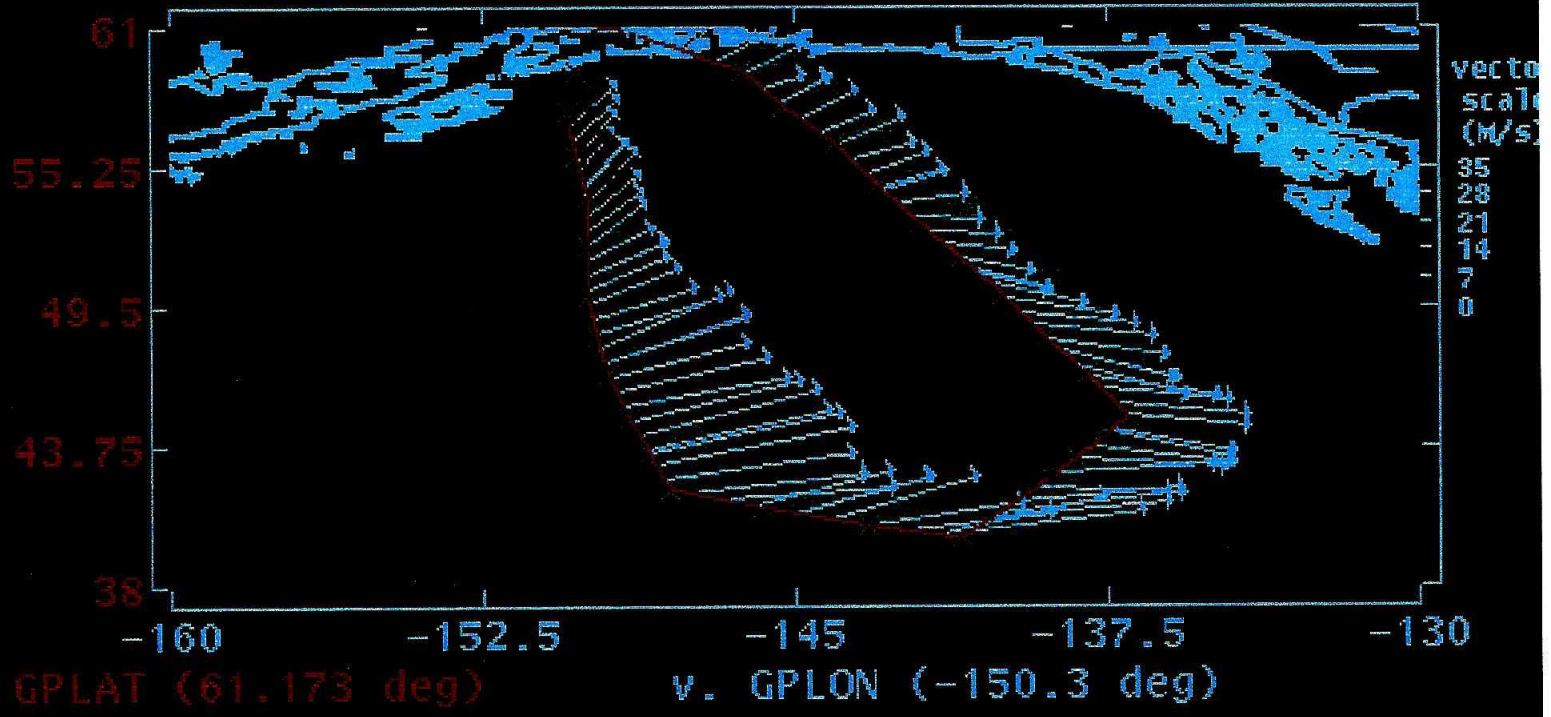
PSXC (-27.84 C)

v. PSXC (215.04 mbar)

ATX (-51.24 C)

v. PSXC (215.04 mbar)

20:35:20 to 02:42:10



NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: WS2002 Project No. 201 Flight No. 1506 Flight ID: 020702N
 SED Crew: Hornbrook, Ling, McNamee Mission: WSR track 2000
 Pre-Flight: 1845 Z Take-Off: 1954 Z Landing: 0245 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check
N A V	IRS #1		<u>CP</u>		
	IRS #2				
	GPS Honeywell #1				
	GPS Honeywell #2				
	GPS Collins				Off? ☒
	Nose Radar - Collins				Off? ☒
T E M P /		Time	Temp °C		
	Temp #1	<u>1858</u>	<u>3.0</u>		
	Temp #2	<u>1</u>	<u>1.3</u>		
	Temp #3		<u>2.7</u>		
	Temp #4		<u>0.5</u>		
	DP Left		<u>-25.7</u>		
	DP Right		<u>-18.9</u>		
	CRYO		<u>NI</u>		
P R E S S	Attack Angle (ADCAOA)		<u>CP</u>		
	Angle of Attack (APx, DAPx)				
	Sideslip (BPx, DBPx)				
	Static Pressure (PS1M, PS2M)				
	Dynamic Pressure (QCxM)				
	Radome Press. Lines	Checked? ☒	Date: <u>1/25/02</u>		
S Y S T E M	SATCOM (Flight Phone) ☒		<u>CP</u>		Off CB? ☒
	Call COMSAT? ☐ (*292#)		CB's Checked? ☒		
	Iridium Phone		ON? ☒		OFF? ☒
	FCU/UPS/CB				UPS off? ☐
	MADS (WINDS/DISCWIN)				# DATs: <u>1</u>
	Printer 1 (lp1)	Power? ☒	Paper? ☒		Printer Power off? ☒
	MADS Cal. Date:	QC time: <u>1937</u>			QC time: <u>0249</u>
	HAPS System	Time set? ☐	<u>NI</u>		# Msg.: <u>0</u> # Fail: <u>0</u>
	AVAPS System		<u>DL</u>		
	Exterior Walk Around ☒		<u>CP</u>		
	Inspect Drop Sonde Chute Bolts		<u>DL</u>		
M I S C	Down Port Door (Ozone Inst.)	Cover OFF? ☒	<u>CP</u>		Cover ON? ☒
	AVAPS Sondes	# On Board: <u>53</u>		# Dropped: <u>28</u>	# Good: <u>26</u>
	Sci. Power Monitor				
	APN-232 Altimeter				
	Modem	Power On? ☒	<u>CP</u>		
	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		<u>CP</u>		

1	DAT Tape #1	On: <u>1936</u>	Type: <u>60m</u>	Off: <u>0252</u>
	Comments: <u>No EOF MARKER ON DAT</u>			

Please Note Any Discrepancies

[illegible]