

AC	Maxson ✓	SYS ENG	Hill ✓
CP	McCann / Yates ✓	DATA SYS	Lind ✓
NAV	White ✓	RADAR	
FE	Kitson	BT/ODW	Lynch ✓
RADIO		CLD PHYS	
FD	Parrish ✓	DOPPLER	

[illegible]

~~PROPOSED~~/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

NOAA WSWSC TRACK 21
1853Z John H. coded GLS ETA parameter to 'winds', in case my GLS fails.
-9/-12 Flew just w of low between RB 7 & 8. 967.2 mb at 7 & 8.
180/4 Looks like lower P center of surface low farther w than forecasted.
V~~2~~2 Dropped 24. Xntel 23. One had no winds.
20 SCT One had lake winds. One terminated early
29.38 948 mb
994.9 I.D. Flight.
-8.7/-12.4 CAP'D
0253Z 70/4
991.1 Var 4kts
-8/-12 -8/-10
220/8.5 2.5 SCT 998
29.60
1002.4

000129N WSA-2000 FLT 4 TRACK 21

Time	LAT	LON	TK	WD	WS	GA	PA	TA	TD	PS			
1957	61 09.9	148 38.9					184	-8	-12.5	991.3			
2005	61 09	150 05	205	188	8.5	1628	1325	-16.7	-17.3	850			BLOCK OUT
2012	60 39	150 36	205	174	11.7	5629	6260	-42.6	-48.9	451			↑
203545	58 21	149 38	146	202	29	11272	11960	-51.1	-64.4	193.9			↑
204944	57 00	148 00	166	202	33.3	11339	11954	-52	-62	194			-39K
20627	55 10	147 30	171	189	28.6	11406	11952	-53.9	-61.9	194			Drop 1 Good
212301	53 20	147 00	170.4	188	24	11440	11954	-53.8	-62.3	194			Drop 2 "
213917	51 30	146 30	170	166	21	11459	11952	-51.1	-61.2	194			Drop 3 "
215722	49 40	146 00	169.5	159	17	11474	11950	-50.3	-61.2	194			Drop 4 "
221109	47 48	145 30	162.8	12.8		11491	11952	-45.9	-59.5	194			Drop 5 "
222626	46 00	145 00	164.8	194	8.3	11502	11952	-44.0	-58.4	194.2			Drop 6 "
224017	44 20	144 20	164	226	14	11535	11950	-42	-57	163.5			Drop 7 "
225352	42 40	143 40	163	268	16	11571	11951	-41.6	-56.7	194			Drop 8 "
230649	41 02	142 57	~	288	24	11621	11924	-42.8	-57.1	194			Drop 9 "
232124	40 40	140 40	99	281	18	11633	11930	-42	-57	194			Drop 10 "
233625	40 20	137 40	99	267	11	11661	11949	-42.5	-56.9	194			Drop 11 "
235151	40.09	135.0	13.6	252	16	11691	39200	-45	-58	194			Drop 12 "
000638	42.00	134.3	14.5	238	17	11671	39289	-46	-58	189			Drop 13 stop good early 948m
002158	44.01	133.6	14.1	217	23	12288	41146	-50	-61	176			Drop 14 ↑ to 41K
003707	46 00	133 04	~	197	20.4	12286	12542	-53.4	-61.4	176			Drop 15
005353	47 48	131 54	325	218	23	12701	12978	-51	-62	164			Drop 16
011110	49 36	136 48	326	224	22	12832	13118	-50.5	-60.3	160			Drop 17 ↑ to 43K
012806	51 24	138 42	328	218	19.8	12806	13124	-52.8	-60.9	160			Drop 18
014447	53 12	140 36	328	223	22	12766	13119	-52.7	-61.3	160.1			Drop 19
014636	53 24	140 50	329	222	20.4	12767	13122	-53	-61.4	160			Drop 20 8 sat, no winds
020125	55 00	142 30	326	215	19.6	12721	13120	-52.4	-61.9	161			Drop 21
022051	57 00	145 00	310	231	25	12648	13120	-52.0	-61.7	1100			Drop 22
023548	58 22	148 16	312	224	29.5	12586	13126	-49.9	-60.5	159.8			Drop 23
025330	60 01	149 00	351	208	6.7	28447	3177	-22.3	-32.9	685			-10.4 k FT
0312	61 06	150 13	265	233	3	550	681	-12.3	-14.1	940			-2K PA
0321	61 09.8	149 50.9					123	-5.9	-15.3	998.5			Block 1n

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms '00 Project No. 435 Flight No. 4 Flight ID: 000129N
 SED Crew: Hill, Lino, Lynch, Parrish Mission: Flt 21
 Pre-Flight: 19:15 Z Take-Off: 20:04 Z Landing: 03:18 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check		
N A V	IRS #1		✓ TL				
	IRS #2		✓ TL				
	IRS #3		N/A				
	GPS Honeywell #1		✓ TL				
	GPS Honeywell #2		✓ TL				
	GPS Collins		✓ TL		Off? ☒		
Nose Radar - Collins			✓ BM		Off? ☒		
T E M P		Time	Temp °C		Time	Temp °C	
	Temp #1	19:23	-8.1	✓ TL		734	N/A
	Temp #2	↓	-8.1	✓ TL		↓	↓
	Temp #3	↓	-8.2	✓ TL			
	Temp #4	↓	-8.1	✓ TL			
	DP Left	↓	-14.9	✓ TL	Cal. Time: N/A		
	DP Right	↓	-19.6	✓ TL	Cal. Time: N/A		
P R E S	Attack Angle (ADCAOA)		✓ TL				
	Slip Angle (BPx/DxPx)		✓ TL				
	Differential (PQ1/PQ2)(6C)		✓ TL				
	Absolute (PS1/PS2)		✓ TL				
	Check Radome Press. Lines ☐		Date: N/A				
S Y S T E M S	DOWN PRT-5 ⇒ Open? ☐		Not installed		Closed? ☒ NU.		
	MADS (WINDS/DISCWIN)		✓ TL		# DATs: 1		
	MADS Printer ⇒ Paper? ☐		✓ TL		Printer Power off? ☒		
	MADS Cal. Date: 1/14/00		QC time: 19:51		QC time: 03:21		
	WINDS ⇒ NET BCAST ☐		✓ TL				
	HAPS System / Time set? ☒		✓ ND		# Msg.: 27 # Fail: 4		
	AVAPS System		✓ DTL	①			
	K2 Printer ⇒ Paper? ☐		✓ TL		Printer Power off? ☒		
	Exterior Walk Around ☒		✓ JH/TL				
	Inspect DropSonde Chute Bolts		✓ DTL				
M I S C	Satcom (Flight Phone) ☒		✓ TL		Off CB? ☒		
	Call COMSAT? ☐ (*292#)		✓ TL				
	FCU/UPS/CB		CB's Checked? ☒ TL/JH		UPS off? ☒		
	AVAPS Sondes		# On Board: 70(?)	# Dropped: 24	# Good: 22		
	AXBT		# On Board: 0	# Dropped: —	# Good: —		
	APN-232 Altimeter		✓ BM				
	Modem Power On? ☐		✓ TL				

1	DAT Tape #1	On: 19:51	Type: DG-60P	Off: 03:22
2	DAT Tape #2	On:	Type:	Off:
Comments:				

Please Note Any Discrepancies

[illegible]

WINTER STORMS RECONNAISSANCE: TRACK 21

Proposed takeoff: 29 January 2000, 2000Z

Aircraft Type: G-IV

CallSign: NOAA 49

Altitude: FL370-430

TRACK DISTANCE TABLE

#	LAT (d m)	LON (d/m)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	PANC		0.	0.	0:00
1	HOM		98.	98.	0:23
2	57 00	148 00	196.	294.	0:50
3	46 00	145 00	670.	964.	2:21
4	41 00	143 00	313.	1277.	3:03
5	40 00	135 00	370.	1647.	3:54
6	46 00	133 00	371.	2019.	4:44
7	55 00	142 30	650.	2669.	6:12
8	57 00	145 00	147.	2816.	6:32
9	HOM		260.	3076.	7:08
10	PANC		98.	3174.	7:31

WINTER STORMS RECONNAISSANCE: TRACK 21

Proposed takeoff: 29 January 2000, 2000Z

Aircraft Type: G-IV

CallSign: NOAA 49

Altitude: FL370-430

DROP LOCATIONS

#	LAT (d m)	LON (d m)	TIME (h:mm)
1	57 00	148 00	0:50
2	55 10	147 30	1:05
3	53 20	147 00	1:20
4	51 30	146 30	1:35
5	49 40	146 00	1:51
6	47 50	145 30	2:06
7	46 00	145 00	2:21
8	44 20	144 20	2:35
9	42 40	143 40	2:49
10	41 00	143 00	3:03
11	40 40	140 20	3:20
12	40 20	137 40	3:37
13	40 00	135 00	3:54
14	42 00	134 20	4:11
15	44 00	133 40	4:27
16	46 00	133 00	4:44
17	47 48	134 54	5:02
18	49 36	136 48	5:20
19	51 24	138 42	5:38
20	53 12	140 36	5:55
21	55 00	142 30	6:13
22	57 00	145 00	6:32
23	58 21	148 14	6:50

144 8 9
154 10 9
152 10 9

$$60 \frac{\text{min}}{\text{hr}} \times 2000 \frac{\text{yd}}{\text{mi}} \times \frac{36 \text{ in}}{\text{yd}} \times 2.54 \frac{\text{cm}}{\text{in}}$$

$$10,972,800 \frac{\text{cm}}{\text{leg}} = 109728.00 \frac{\text{m}}{\text{leg}}$$

$$60 \text{ nm} = 111.12 \text{ km} = 69.05 \text{ sm}$$

$$1 \text{ nm} = 1.15 \text{ sm}$$

$$1 \text{ meter} = 3.281 \text{ ft}$$

290/55

728 bracketed low 967.5

