

AC Maxson	SYS ENG Radas-Begues
CP McCann ✓	DATA SYS Smith ✓
NAV Finke ✓	RADAR Hornbrook ✓
21 FE Kitson	BT/ODW Carpenter ✓
RADIO	CLD PHYS McFadden ✓
FD Czyzyk / Parrish ✓	DOPPLER

[illegible]

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP, #)
 ATIS Q 19252 CACM 23/19 30.09 AC 1018 23.5/17.5 70/6 WINDS
 WSCWSC HI φ 3:
 Flew pattern as planned, except last 4 pts slightly S of plan (due to ATC)
 Dropped 29 total sondes.
 1942 = 21 NCEP 19000 MSGS SENT TO CACAM.
 8 ETL 19 NCEP SONDES + 2 BACKUPS.
 29 8 ETL SONDES. 1 PARTIALLY BAD.

LAND 02532
ARTS 09018 156
30.02 26/18

11/7 0
10.5.7
26.5/17.2 sand

Type 1

193845 - 214843

ABO 232 201230-13002, 201742-47, 204711-4714,
4952-55, 5109-5113, 5335-5340, 5428-5432,
5804-5807, 5830-5835, 5943-5947,
210015-0018, 210012-0045, 210228-0231,
210301-0303 10697+1 records in
83+1 records out

Type 2

220159 - 032316

ABO 232 232206-2210, 222527-31, 223915-18,
001340-44, 004905-08, 010702-05, 0809-12,
015024-5028, 021409-1412, 021553-57,
021916-1920, 023040-44, 023241-45, 023255-59
025700-5704 26301+1 records in
205+1 records out

27.92 M.D.
177.69 28.12.2
177.22.8

990119N WSR #3

MIDWAY 22232 Mid 021/014 30.1
AT 15 320/1600 26 16
CLOSE TO 171 35
DROP 6

Time	LAT	LONG	TR	WD	WS	GA	PA	TA	TD	PS		Scds	stat	Wx	Set
1942	BLOCK OUT														
1953	OFF														
1954	21 15	157 53	223	101	2.5	128	985	14.7	13.1	882	↑				
2005	21 19	158 59	284	137	15	6771	6523	-15.3	-34.5	427	↑				
2023	21 49	161 13	283	271	19.7	12661	12170	-55	-63	186	↑				
2036	22 27	162 38	301	277	22	13073	12571	-57.6	-67.6	175	—				
2052	23 22	164 19	300	272	22	13074	12571	-57	-67	175					
210128	23 55	165 20	296.6		NO	WINDS									
210225	23 57	165 27	296	271	26	13062	12571	-57.4	-68.2	175.4		1	DECP	CLR	18
212235	24 50	167 40	292.8	260	34	13047	12569	-57.3	-69	175.5		1A	DECP	CLR	✓ 18
214350	25 40	170 00	291	259	40	13013	12563	-56.9	-67	175.7		2	DECP	SC TDC	✓ 17
220543	26 36	172 20	289	255	50	12967	12559	-57.1	-66.2	175.8		3	DECP	SC LOW	✓ 18
221345	26 44	173 12	286.7	262	55	12949	12559	-56.4	-65.8	175.8		4	DECP	ARC STR	✓ 18
222937	27 10	174 30	287	256	58.5	12917	12557	-55.1	-64.8	175.8					
225242	27 50	177 10	287	260	63.4	12855	12556	-53	-64			5	DECP	ARC SC	✓ 19
230425	28 10	178 21	286	263	65	12817	12556	-52	-64.5	175.9		6	DECP	ARC AC	19
231845	28 30	179 46	282	267	67	12775	12557	-51.9	-64.4	175.8		7	ETL	ARC AS	
232755	28 46	179 20E	284	265	70	12759	12554	-52.3	-64.5	175.9		8	DECP	ARC SC	19.8
234120	29 04	178 04	2	272	68	12707	12557	-52	-64	176		9	ETL	SET CL	20.5
234719	29 51	178 30	21	265	69	12652	12552	-49	-64	175		10	DECP	SET CL	21.1
235337	30 40	178 50	26	267	61	12618	12554	-47	-62	176		11	ETL	ARC AC	20.6
235915	31 20	179 21	31	272	57			-47	-63			12	DECP	ARC AC	21.5
000604	32 10	179 55	31	262.5	49.9	12505	12554	-47.8	-63.2	175.9		13	ETL	ARC AC	
001259	33 00	179 30	24	257	49	12450	12554	-47	-63	176		14	DECP	SET AC	20
002025	33 55	178 54	140	258	44	12408	12561	-47	-63	175		15	ETL	AS SET AC	21.3
002728	33 20	178 00	122.5	240	48	12448	12553	-46.9	-62.3	175.9		16	DECP	SET CL	20.8
003432	32 50	177 00	123	242	53	12502	12555	-48	-63	175.8		17	ETL	SET CL	18.9
004255	32 01	175 48	125	252	63	12564	12554	-49	-63	175		18	DECP	SET CL	
004855	31 40	174 59	123	248.5	61.3	13037	12951	-50.2	-62.3	164.6		19	ETL	ARC CL	
005716	31 00	173 48	124	253	60.5	13285	13140	-52.7	-63.9	159.5		20	DECP	ARC AC	
010329	30 30	173 00	124	253	54	13338	13141	-51.4	-63.9	159.5		21	ETL	ARC AS	
011558	29 20	171 05	130	254	56	13433	13140	-52.5	-66.5	159.5		22	DECP	ARC AS	
013310	27 57	170 00		259	49	NO WINDS						23	DECP	ARC SC	
013450	27 45	169 08		258	48	NO WINDS						24	DECP	ARC ST/SD	200
015025	26 18	167 30	135	254	33	13596	13139	-54.6	-69.0	159.5		24A	DECP	ARC ST	
0200	25 24	166 31	135.7	258	26.3	13611	13139	-60.1	-69.2	159.5		25	DECP	ARC SC	
020819	24 37	165 42	136	255	21	13637	13141	-61.5	-69.5	159.5					
022550	23 00	164 00	119	263	12.6	13658	13131	-60.9	-70.9	159.8		26	DECP	CLR	
023530	22 27	162 48	119	264	12.5	13658	13131	-60.9	-70.9	159.8		27	DECP	SET CL	
0307	21 33	158 48	105	170	6.2	2614	2500	11.4	-6.1	751		↓			
0327	21 19	157 55						25.6	17.1	1016.1					

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms 99 Project No. 425 Flight No. 4 Flight ID: 990119N
 SED Crew: Pradas, Smith, Hornbrook, Carpenter Mission: #3
 Pre-Flight: 1830 Z Take-Off: 1951 Z Landing: 0320 Z

SYSTEM				Pre-Flight Check	In-Flight	Post-Flight	
N A V	IRS #1			DWC	DWC		
	IRS #2						
	IRS #3						
	GPS Honeywell #1						
	GPS Honeywell #2						
	GPS Collins			DWC		Off? ☒	
	Nose Radar - Collins			DWC		Off? ☒	
		Time	Temp °C	DWC	DWC	Time	Temp °C
	Temp #1	1924	24.5			0326	
T	Temp #2		27.8				25.6
E	Temp #3		25.0				25.9
M	Temp #4		30.0				25.7
P	DP Left		18.67		Cal. Time:		26.6
	DP Right		18.13		Cal. Time:		
P	Attack Angle (ADCAOA)			DWC	DWC		
R	Slip Angle (BP/DBP)				DWC		
E	Differential (PQ1/PQ2)				DWC		
S	Absolute (PS1/PS2)				DWC		
S	Check Radome Press. Lines ☒			Date: 990114			
S	DOWN PRT-5 ⇨ Open? ☐			N/I		Closed? ☐	
Y	MADS (WINDS/DISCWIN)			DWC	see below	# DATs: 2	
S	MADS Printer ⇨ Paper? ☒			DWC	DWC	Printer Power off? ☒	
T	MADS Cal. Date: 990115			QC time: 1940 Z		QC time: 0322 Z	
E	WINDS ⇨ NET BCAST ☒			DWC	DWC		
M	HAPS System / Time set? ☒			DWC	DWC	# Msg.: # Fail:	
S	AVAPS System / Time set? ☒			JS	DWC		
	AVAPS Printer ⇨ Paper? ☐			Removed			
	Exterior Walk Around ☒			DWC			
	Inspect DropSonde Chute Bolts			DWC			
	Satcom (Flight Phone) ☒			DWC	DWC	Off CB? ☒	
	Call COMSAT? ☒ (*292#)						
M	FCU/UPS/CB			CB's Checked? ☒ DWC		UPS off? ☒	
I	AVAPS Sondes			# On Board: 56	# Dropped: 29	# Good: 27	
S	AXB T			# On Board: 8	# Dropped: N/A	# Good:	
C	APN-232			DWC	DWC		
	Modem Power On? ☒			DWC	DWC		

1	DAT Tape #1	On: 1939 Z	Type: V-60	Off: 2200 Z
2	DAT Tape #2	On: 2201 Z	Type: V-60	Off: 0323 Z
Comments: Discwin died @ 2148 Z - Restarted and put in new DAT				

1. 23 55 165 20*
 2. 24 50 167 40*
 3. 25 40 170 00*
 4. 26 30 172 20*
 5. 27 10 174 50*
 6. 27 50 177 20*
 7. 28 10 178 20
 8. 28 30 179 45*
 9. 28 40 179 20 E
 10. 29 00 178 00 E*

11. 29 50 178 30 E
 12. 30 40 178 50 E* 7+15
 13. 31 20 179 20 E
 14. 32 10 179 55 E*
 15. 33 00 179 30
 16. 34 00 179 00*
 17. 33 20 178 00
 18. 32 50 177 00*
 19. 32 10 175 50
 20. 31 40 175 00*

0330-Z
 1730 local

21. 31 00 173 50 23. → 28 31 170 →
 22. 30 30 173 00*
 23. 29 20 171 05*
 24. 28 00 169 20*
 25. 26 40 167 30*
 26. 25 20 165 46*
 27. 24 00 164 00*

24.	27	56.4	169 20
25.	26	18.6	167 30
26.	24	36.5	165 46
27.	23	00	164

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ZCZC MIAREPRPD
AENOUS42 KNHC 182000

WEATHER RECONNAISSANCE FLIGHTS

CARCAH, NATIONAL HURRICANE CENTER, MIAMI, FL

0300 PM EST MON 18 JAN 1999

SUBJECT: RECONNAISSANCE WINTER STORM PLAN OF THE DAY (WSPOD)

VALID 19/1100Z JAN TO 20/1100Z JAN 1999

WSPOD NUMBER.....98-049

I. ATLANTIC REQUIREMENTS

1. NEGATIVE RECONNAISSANCE REQUIREMENTS.
2. OUTLOOK FOR SUCCEEDING DAY.....NEGATIVE.

II. PACIFIC REQUIREMENTS

1. FLIGHT ONE: WC130

- A. TRACK 19/ 40.ON 147.0W/ 20/0000Z
- B. AF861 TRACK 19
- C. PAED / 19/1800Z
- D. APPROX EVERY 30 MINUTES
- E. 30,000 FT / 20/0600Z

FLIGHT TWO: GULFSTREAM G-IV

- A. PHNL- 29.ON 178.0E- 34.ON 179.0W- PHNL/ 34.ON 179.0W/
20/0000Z
- B. NOAA9 WSWSC HI03
- C. PHNL / 19/2000Z
- D. APPROX EVERY 20 MINUTES
- E. 41,000 - 45,000 FT/ 20/0600Z

2. OUTLOOK FOR SUCCEEDING DAY: PROBABLE WC130 AND G-IV GULFSTREAM
MISSION CENTERED AROUND 21/0000Z.

WVW

f
NNNN

N49RF Winter Storms 99 / AVAPS DropSonde Log

N49RF Project: SCAT CAT

Flight ID: 990119N

Mission: 3

Flight #: 4

System Status: ✓

No Foam - PIN 5 not clipped

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
N 1	984325513	5	2101	-.3	LATE	JCPB	LATE NO LAUNCH DETECT	N
N 2	984325391	1	2102	-.3	55	JAS	Backup	✓
N 3	983340091	5	2122	-.3	24	JCPB		✓
N 4	983620578	8	2143	-.3	43	JCPB		✓
N 5	983340117	5	2205	-.3	31	JCPB		✓
N 6	983310081	7	2229	.5	13	JCPB		✓
N 7	983310159	6	2252	-.2	33	JCPB		✓
M 8	983620502	8	2304	-.5	37	JCPB	HAAS LAND ? P-71020 early	N
N 9	983310198	5	2318	-.3		JCPB	MISMATCH AT HAAS	✓
M 10	983310191	8	2328	-.3	23	JCPB	HAAS HAAS	✓
N 11	983620543	7	2341	-.3	25	JCPB	HAAS HAAS RET	✓
M 12	983340112	6	2347	-.4	24	JCPB	HAAS HAAS NO	✓
N 13	983410052	8	2353	-.4	29	JCPB	1.	✓
M 14	983620584	5	2359	-.4	23	JCPB		✓
N 15	983620542	7	0006	.1	60	JCPB	RET RET	✓
M 16	983620582	6	0013	-.5	39	JCPB		✓
N 17	983410144	5	0020	.5	29	JCPB		✓
M 18	983840577	7	0027	0.1	23	JCPB		✓
N 19	983620543	8	0034	-0.1	25	JCPB		✓
M 20	983410053	5	0043		30	JCPB		✓
N 21	983620538	7	0048	.5	27	JCPB	RET	✓
M 22	983310006	8		-.8	41	JCPB		✓
N 23	983620509	5	0103	-.4	38	JCPB		✓
N 24	983840546	1	0117	-1.5	32	JAS		✓
N 25	983840581	2	0132	0	120	JAS	LATE WINDS	✓
N 26	983720840	3	0134	0	34	JAS		✓
N 27	983840584	1	0150	0.5	55	JAS		✓
N 28	983410114	2	0207	0.4	55	JAS		✓
N 29	983410036	1	0225	0	36	JAS		✓
30						JAS		✓
31								
32								
33								

N=NWS

M=MEL

21 ~~21~~

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