

FLT ID: N980921	FM: TXKF	TO: KATA KOPF
FLT NO: 98-053	BLK IN: 0212	ATA: 0207Z
ETD: 1730Z	BLK OUT: 1722Z	ATD: 1736Z
ETE:	BLK TIME: 8:50	FLT TIME: 8:31
SPONSOR ORG: NHC	PROGRAM: H. SURVEILLANCE	PURPOSE: H. GEORGES

0AO PERSONNEL

AC MAXSON	SYS ENG HILL
CP FINKE, McCANN	DATA SYS PRADAS-BERGNES
MAY 21	RADAR
FE KITSON	BT/ODW McNAMARA/McMILLAN
RADIO	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
FRANKLIN	HAPS	HRD
ROGERS	HAPS	HRD
WHITE	PM	KOL

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

BAD DPT'S, 2122Z - 2127Z

U.S. DEPT. COMM./NORR/OAO - DATA SECTION WORK FORM NO.2 DROWF2 FILE

FLT ID: *N980921*

TIME OFF: *1736Z*

TIME ON: *0207Z*

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<i>1010.8</i>	<i>29.88</i>	<i>1015.3</i>	<i>29.97</i>

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	<i>1</i>	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXBT		
AXCP		
GPS <i>GPS</i>	<i>30</i>	<i>26 messages</i>

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

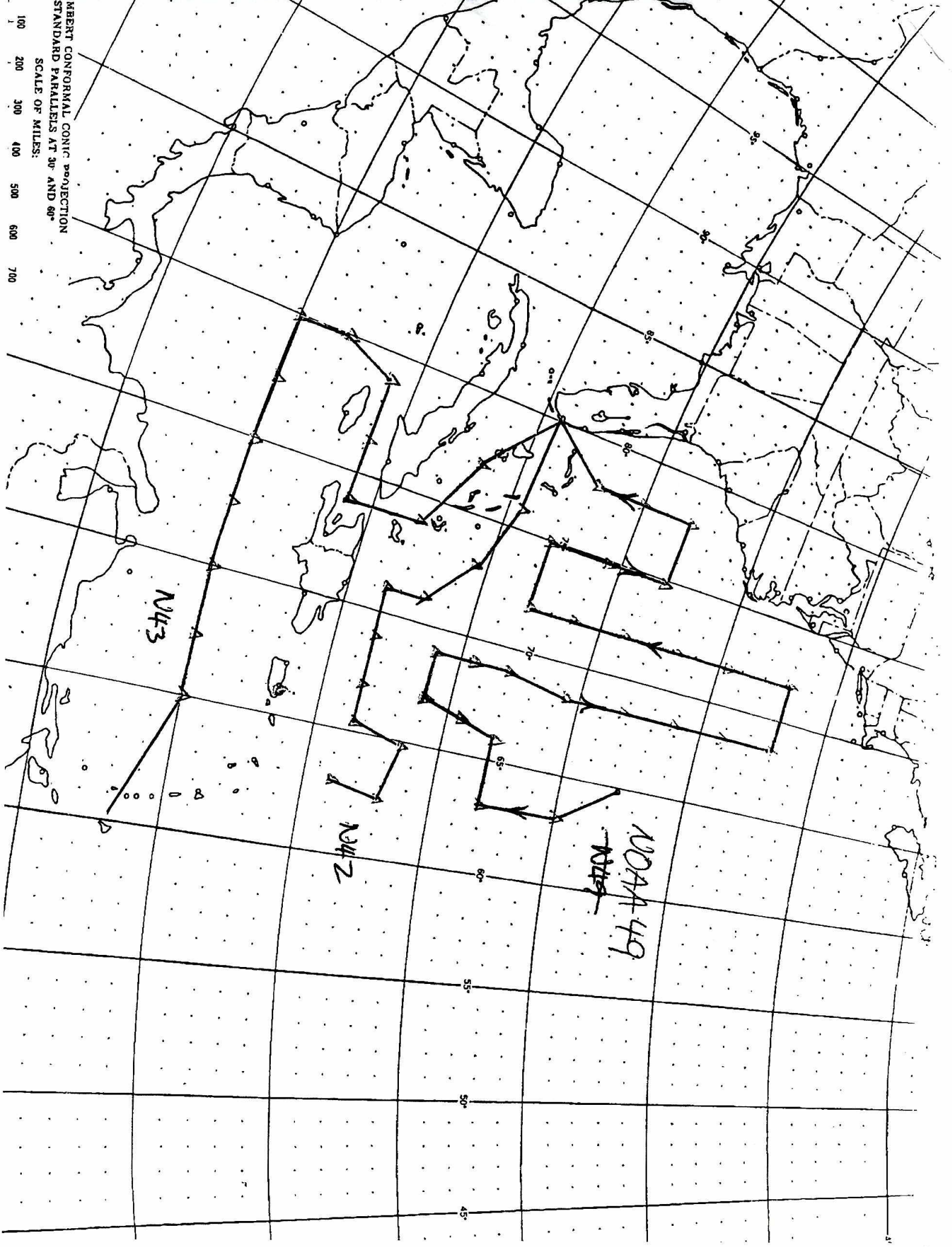
REMARKS *3221* *27*
6441 *23*

N980921

TIME	LAT	LOU	TRK	HD	WD	WS	TA	TD	PA	GA	PS	PQ
175200	Auto mammatus some hgt 7000											
180000	TT and DPT doing OK in cloud											
181416	2952	6300	180	182	272	14	-56.2	-57.1	12112	12694	190	DROP 88.9
182500	2832	6300	180	180	280	6	-60.1	-65.1	12559	13154	175.7	THN CLD 89.6
183500	2718	6300	180	179	10	2	-60.3	-63.2	12557	13149	175.9	THN CLD 89.1
183823	2700	6314	271	271	325	10	-60.1	-64.3	12561	13157	175.8	DROP 88.3
185000	2700	6449	270	270	322	8	-60.5	-65.7	12558	13161	175.8	INTN CLD 88.3
185657	2700	6549	270	270	325	10	-60.3	-65.4	12556	13173	175.8	EARLY DROP 89.1
190700	2557	6621	197	194	56	9	-59.9	-63.9	12552	13167	176.0	THN CLD 89.0
191043	2536	6630	197	194	55	12	-59.7	-64.5	12552	13167	176.0	DROP 88.9
191700	2443	6646	197	193	77	11	-58.9	-66.7	12549	13161	176.1	CLR 90.0
192405	2400	6712	269	269	87	7	-59.4	-67.9	12552	13157	176.0	DROP 87.7
193300	2400	6825	270	269	62	7	-59.2	-69.3	12547	13163	176.1	CLR 87.7
193812	2413	6900	0	1	47	14	-59.1	-69.5	12547	13165	176.1	DROP 87.2
194909	2530	6900	0	1	33	16	-59.1	-68.2	12541	13166	176.3	DROP 88.0
200159	2700	6900	6	6	20	14	-59.9	-64.3	12544	13181	178.0	DROP 87.8
201800	2850	6838	10	8	355	20	-59.7	-64.7	12545	13173	176.2	THN CLD 86.9
202350	2930	6830	5	0	341	20	-60.1	-65.0	12541	13169	176.3	THN CLD DROP 86.4
204527	3200	6830	359	353	305	24	-58.3	-67.5	12538	13144	176.4	DROP 87.5
205500	3305	6830	0	353	307	27	-57.0	-68.5	12537	13128	176.4	CLR 88.2
210258	3400	6830	0	354	307	24	-56.3	-68.9	12537	13120	176.4	DROP 86.8
211500	3524	6830	0	356	308	16	-59.5	-72.4	13124	13705	160.0	CLR 79.2
212002	3600	6830	0	357	315	15	-58.8	-73.2	13125	13701	159.9	DROP 79.8
213200	3726	6830	0	357	327	16	-58.8	-74.7	13125	13690	160.0	CLR 80.5
213753	3800	6846	270	271	300	15	-58.7	-74.4	13121	13685	160.0	DROP 79.7
220122	3748	7200	181	181	276	14	-59.7	-74.2	13119	13710	160.1	DROP 80.5
221200	3629	7200	180	182	278	13	-60.8	-74.0	13120	13721	160.1	CLR 79.7
221953	3530	7200	180	181	295	12	-60.4	-74.4	13116	13741	160.1	DROP 80.5
223947	3300	7200	180	184	287	25	-63.0	-75.4	13116	13758	160.2	DROP 79.0
225539	3100	7200	180	181	299	14	-63.9	-77.1	13116	13778	160.2	DROP 79.2
231127	2900	7200	180	179	359	10	-63.6	-72.8	13116	13784	160.1	DROP 79.5
232753	2700	7213	268	270	11	13	-63.5	-70.7	13124	13785	160.1	LATE W DROP 79.8
232926	2700	7226	271	273	14	11	-63.9	-70.8	13121	13761	160.1	NO W DROP 79.9
233453	2700	7311	271	270	72	4	-67.2	-72.7	13700	14364	145.0	DROP 72.4
234903	2712	7500	359	0	39	12	-67.8	-74.7	13705	14365	144.9	NO W DROP 73.7
235035	2723	7500	0	1	36	14	-67.9	-74.6	13704	14367	145.0	NO W DROP 74.2
235316	2741	7500	0	1	31	20	-68.7	-74.4	13705	14367	144.9	LATE W DROP 70.8
000904	2930	7500	0	358	356	11	-68.1	-75.0	13698	14371	145.1	DROP 72.6
000926	2933	7500	0	358	356	11	-68.1	-75.0	13698	14371	145.1	DROP 72.6
003211	3200	7514	271	270	291	20	-68.0	-74.5	13693	14371	145.1	DROP 72.8
005430	3147	7800	180	182	257	12	-67.9	-73.5	13696	14387	145.1	DROP 73.1
010100	3100	7800	180	181	243	7	-68.0	-73.3	13693	14387	145.1	73.2
010924	2958	7800	180	180	325	4	-68.2	-73.5	13697	14377	145.2	DROP 71.0
012100	2832	7800	180	177	42	8	-67.5	-74.3	13695	14383	145.1	72.4
012553	2756	7805	218	216	82	8	-66.4	-73.8	13697	14371	145.1	DROP 70.2

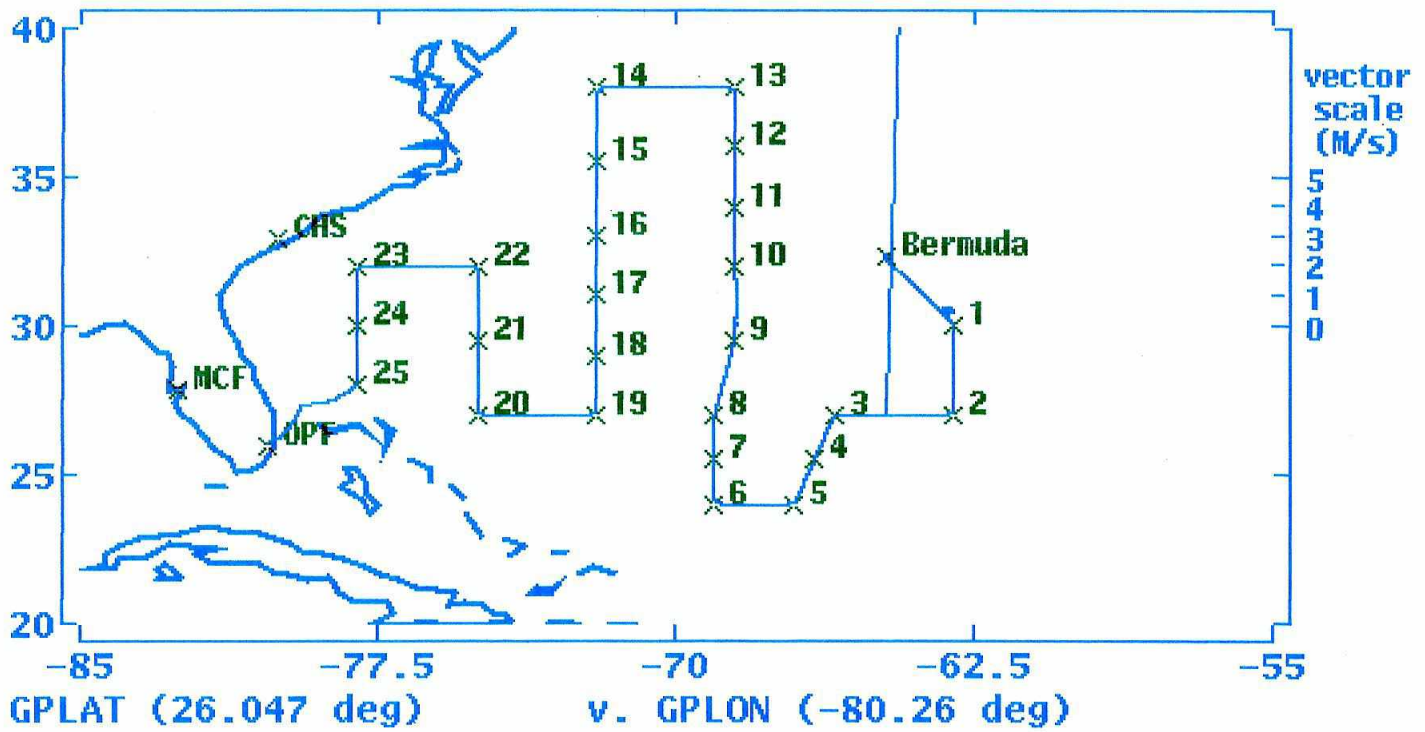
AMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:

100 200 300 400 500 600 700



'JCPB1' (winds@eiaer) Proj. 420 Flt 18 Sep-22-98 01:55:18

16:55:12 to 01:55:18



N49RF Hurricane 98 AVAPS DropSonde Log

N49RF Project: HURRICANE 98/420 Flight ID: 980921W

Mission: GEORGES #3 Flight #: 18 System Status: OK

Drop #	Sonde Serial Number	Chn #	Time (Z)	Press. offset	Winds time	Operator	Comments / Drop Status	GOOD <input checked="" type="checkbox"/>
1	982 720 261	1	1814	0.0	31	STM		✓
2	982 430 032	2	1838	0.8	24	STM		✓
3								
4	982 710 021	2	1856	0.6	30	STM		✓
5	982 430 198	3	1910	0.6	44	STM		✓
6	981 750 014	2	1924	1.0	27	STM		✓
7	982 710 011	3	1938	0.5	26	STM		✓
8	981 820 044	2	1949	0.8	26	STM		✓
9	981 820 047	3	2002	0.1	22	STM		✓
10	982 430 170	1	2023	0.4	43	STM	Restarted SYS.	✓
11	981 810 029	1	2045	0.5	37	STM		✓
12	982 630 029	2	2103	1.9	25	RJM		✓
13	982 010 032	1	2120	.8	36	RJM		✓
14	982 430 033	2	2137	1	28	RJM		✓
15	981 230 034	1	2201	0.8	60	RJM		✓
16	982 430 083	2	2219	.8	15	RJM		✓
17	982 630 136	1	2239	.5	24	RJM		✓
18	982 430 161	2	2255	.7	20	RJM		✓
19	982 720 295	1	2311	.8	64	RJM		✓
20	981 810 031	2	2327	.4	9.7	RJM	late winds	✓
21	982 720 284	3	2329	.6		RJM	fast fall no winds	
22	982 430 201	4	2334	.5	100	RJM	late winds	✓
23	982 720 236	1	2348	.2		RJM	NO FOAM NOWIND	
24	982 630 074	2	2350	0		RJM	NO FOAM NOWIND	
25	982 263 079	3	2353	0	76	RJM		✓
26	982 430 195	1	0009	.4	35	RJM		✓
27	982 630 087	2	0009	1.0	76	RJM	NO FOAM LATE WINDS	✓
28	982 630 081	1	0032	2.0	28	STM		✓
29	982 710 018	1	0054	0.0	28	STM		✓
30	983 410 155	2	0109	-0.4	19	STM		✓
31	982 640 215	1	0125	0.4	33	STM		✓
32								
33								

30 DROPS 27 GOOD

NOAA/AOC/SED N49RF Flight Performance log – Hurricane 98

N49RF Project: Hurricane 98 Project No 420 Flight No. 18 Flight ID: 980921N

SED Crew: FRADAS HILL McMillan, DAMIANO McNAMARA Mission: HURRICANE GEORGES

Pre-Flight: 1630Z Z Take-Off: 1736Z Z Landing: 0207 Z

SYSTEM		Pre-Flight Check		In-Flight	Post-Flight	
N A V	IRS #1	LAT	RJM			
	IRS #2	LAT - P. TR	RJM			
	IRS #3		JWH			
	GPS Honeywell #1		RJM			
	GPS Honeywell #2		RJM			
	GPS Collins		RJM			Off? <input checked="" type="checkbox"/>
	Nose Radar - Collins		RJM			Off? <input checked="" type="checkbox"/>
		Time	Temp °C		Time	Temp °C
T E M P	Temp #1	1657	31.9	RJM	12209	28.3
	Temp #2	↓	28.5	↓	↓	28.15
	Temp #3	↓	29.9	↓	↓	28.8
	Temp #4	↓	28.3	↓	↓	27.5
	DP Left	↓	26.6	↓	Cal. Time: 2300	23.1
	DP Right	↓	25.4	↓	Cal. Time: 2300	23.4
P R E S	Attack Angle (ADCAOA)		RJM			
	Slip Angle (BP/DBP)					
	Differential (PQ1/PQ2)		↓			
	Absolute (PS1/PS2)		↓			
	Check Radome Press. Lines <input checked="" type="checkbox"/>		Date: 980824			
S Y S	DOWN PRT-5 ⇒ Open? <input type="checkbox"/>		N/A		Closed? <input checked="" type="checkbox"/>	N/A
	MADS (WINDS/DISCWIN)		RJM		# DATs: 1	
	MADS Printer ⇒ Paper? <input checked="" type="checkbox"/>		JWH		Printer Power off? <input checked="" type="checkbox"/>	
T E M P	MADS Cal. Date: 090919N		QC time: 1717Z		QC time: 0212	
	WINDS ⇒ NET BCAST <input checked="" type="checkbox"/>		STM			
M S	HAPS System / Time set? <input checked="" type="checkbox"/>		STM		# Msg.: 27 # Fail: 16	
	AVAPS System / Time set? <input checked="" type="checkbox"/>		STM			
	AVAPS Printer ⇒ Paper? <input checked="" type="checkbox"/>		✓ STM			
	Exterior Walk Around <input checked="" type="checkbox"/>		STM			
	Inspect DropSonde Chute Bolts		JCPB			
	Satcom (Flight Phone) <input checked="" type="checkbox"/>		RJM		Off CB? <input checked="" type="checkbox"/>	
	Call COMSAT? <input type="checkbox"/> (*292#)		RJM			
M I S C	FCU/UPS/CB		CB's Checked? <input checked="" type="checkbox"/>		UPS off? <input checked="" type="checkbox"/>	
	AVAPS Sondes		# On Board: 109	# Dropped: 30	# Good: 27	
	AXBT		# On Board: 0	# Dropped: 0	# Good: —	
	APN-232 HGM 232		JWH			
	Modem Power On? <input checked="" type="checkbox"/>		RJM			

1	DAT Tape #1	On: 1648Z	Type: TDK 60	Off: 0213
2	DAT Tape #2	On:	Type: TDK 60	Off:

Comments: Dampier's Calibrated