

FLT ID: N980819	FM: KMCF	TO: KOPF/TISX
FLT NO: 98-036	BLK IN: 1439Z / 1736Z	ATA: 1436Z / 1732Z
ETD: 1400Z	BLK OUT: 1344Z / 1454Z	ATD: 1356Z / 1501Z
ETE:	BLK TIME: 055 / 2:42	FLT TIME: 1:40 / 2:31
SPONSOR ORG: NHC	PROGRAM: HURA SURVEILLANCE	PURPOSE: FERRY TO ST. GROEX

DAO PERSONNEL

AC PLAYER	SYS ENG HILL
CP MAXSON/MCCANN/FINKE	DATA SYS PRADAS-BERGNES
NAV	RADAR
FE KITSON	BT/ODW HORN BROOK
RADIO	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
WHITE	PM	AOL
WINTER	OBS NEW DIRECTOR AOL	AOL
FRANKLIN	HAPS	HRD
BLACK, M.	HAPS	HRD

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)
 STOPPED IN OFF TO PICK UP 2 HRD FOLKS.

X WD
Y WS

154330Z Did calib on sensors..

TT2. bad after turbulence
 came back at lower altitudes

16472 33 20
2K SGT 8 13L

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OROWF2 FILE

FLT ID: N980819

TIME OFF: 1356Z

TIME ON: 1732Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1014.5	29.95	1010.5	29.91

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

N980819

33
m
29.91

m/s

TIME	LAT	Lon	TRK	HD	WD	WS	TA	TD	PA	GA	PS	CLR	PQ
135815	2753	8224	78	77	83	06	21.1	13.7	1228	1274	873.5	CLR	71.2
141000	2655	8212	132	131	129	11	-7.2	-13.2	5832	6099	482.5	CLR	198.9
141700	2623	8133	133	131	132	13	-7.8	-14.1	5833	6117	482.6	CLR	107.6
150700	2557	7947	85	85	117	10	2.8	-6.5	4175	4407	597.5	CLR	155.7
155400	2332	7424	122	121	131	8	-63.7	-73.3	13126	13680	159.9	CLR	161.7
160400	2252	7316	123	123	155	11	-63.9	-72.6	13121	13686	160.0	CLR	86.8
163020	2105	7023	124	122	105	7	-65.8	-72.7	13111	13690	160.3		
164430	in thin cloud just above cloud tops												
164700	passing CB												
164800	just to right of CB yellow at -2.00 tilt -1 gain												
165945	rolling motion went from .80 → .73 MAC4												
	did not go off Auto Pilot												
	lenter on												

A AF
B 64
C 03

20/18z 16 56
21/00z 17 59

02XXA

4 targets
SYS ITSELF

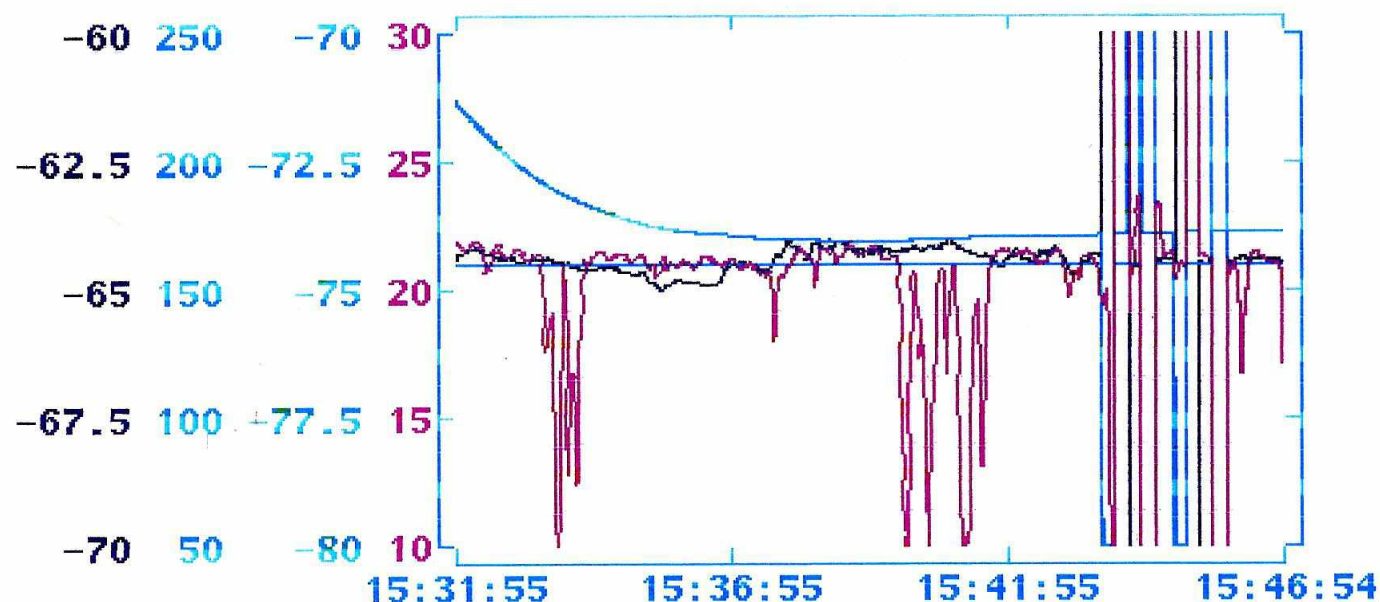
E/W 30N 67.5W H
35 - 42.5
62.5W

Frank 42

'pre-flight' (winds@rainier) Proj. 420 Flt 4 08/19/98 15:46:51

AT1	-64.42 C	AT4	-63.12 C
AT3	-64.49 C	AT2	-64.43 C
BP1	1.6666 mbar	BP2	3.2721 mbar
DAP1	46.491 mbar	DAP2	46.322 mbar
DBP1	56.832 mbar	DBP2	60.759 mbar
QC1M	87.180 mbar	QC2M	86.357 mbar
PS1M	159.83 mbar	PS2M	161.72 mbar
DPLC	-71.68 C	ATTACK	3.7028 deg
DPRC	-73.85 C	ADCAOA	3.9638 deg
RHUM	26.296 %	RD	20.843 C

'tt1-4' (winds@rainier) Proj. 420 Flt 4 08/19/98 15:46:54

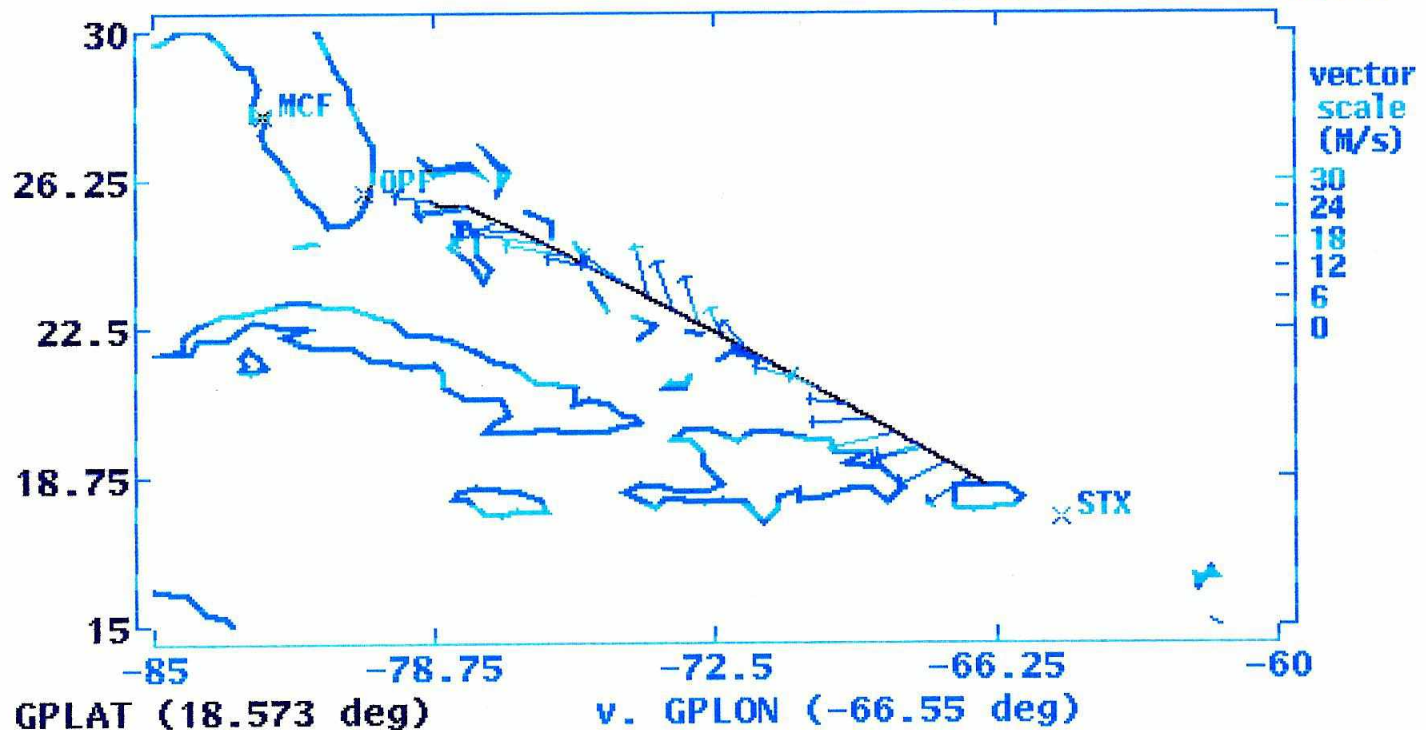


ATX (-64.45 C)
PSXC (159.83 mbar)
DPXC (-73.85 C)
RD (17.119 C)

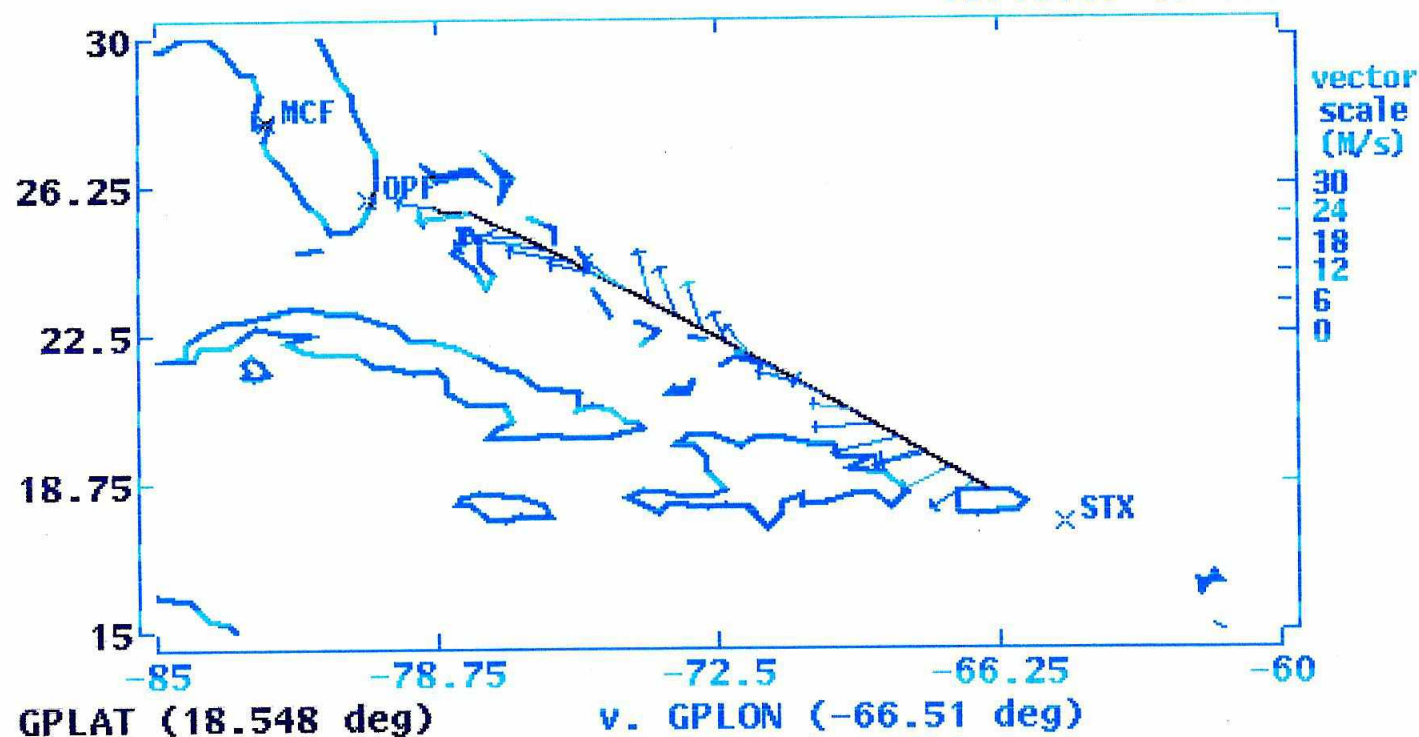
'pre-flight' (winds@rainier) Proi. 420 Flt 4 08/19/98 17:06:15

AT1	-49.27 C	AT4	-49.53 C
AT3	-49.67 C	AT2	-48.54 C
BP1	2.2958 mbar	BP2	4.9234 mbar
DAP1	63.697 mbar	DAP2	64.012 mbar
DBP1	78.405 mbar	DBP2	83.823 mbar
QC1M	119.07 mbar	QC2M	117.55 mbar
PS1M	218.46 mbar	PS2M	220.37 mbar
DPLC	-58.53 C	ATTACK	4.1783 deg
DPRC	-57.45 C	ADCAOA	4.4941 deg
RHUM	34.816 %	RD	22.509 C

'hurricane-97' (winds@rainier) Proi. 420 Flt 4 08/19/98 17:06:
15:15:05 to 17:06:17



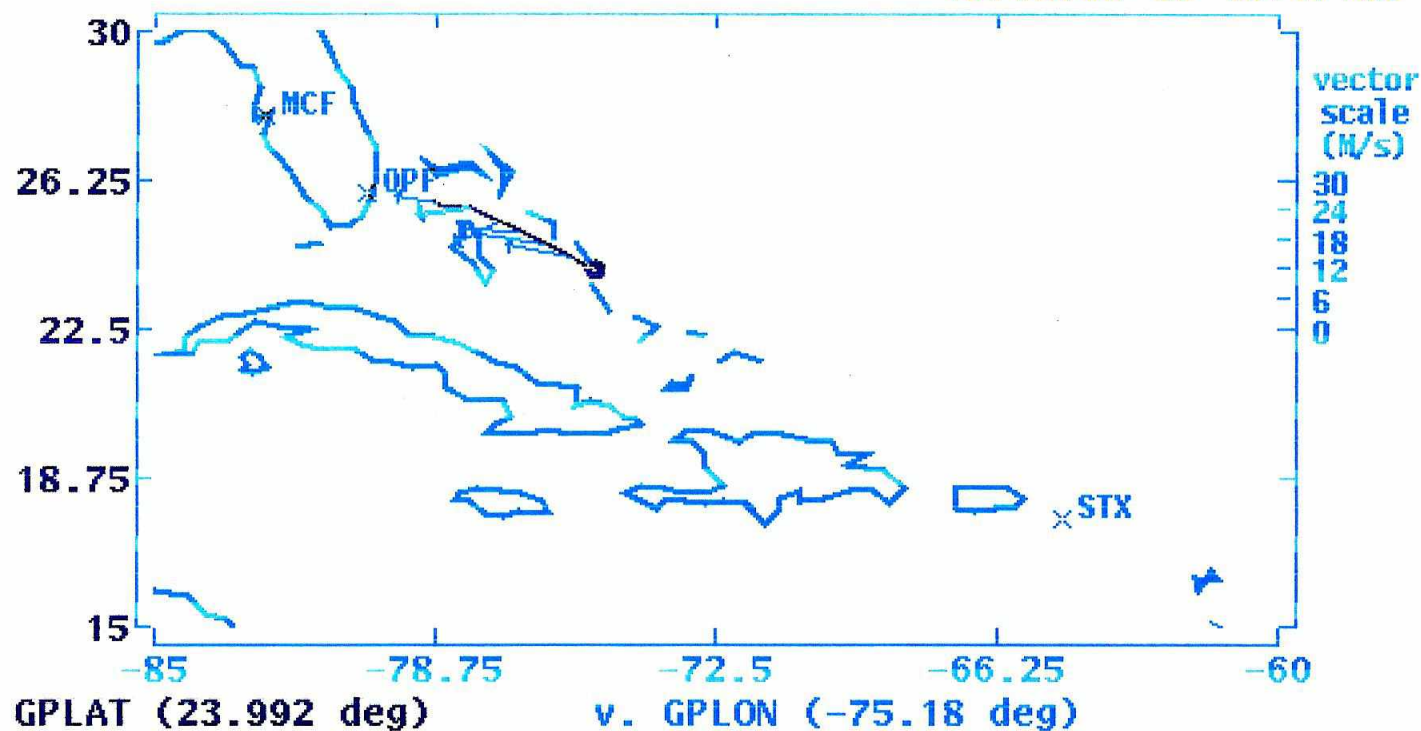
'hurricane-97' (winds@rainier) Proj. 420 Flt 4 08/19/98 17:06:
15:15:05 to 17:06:37



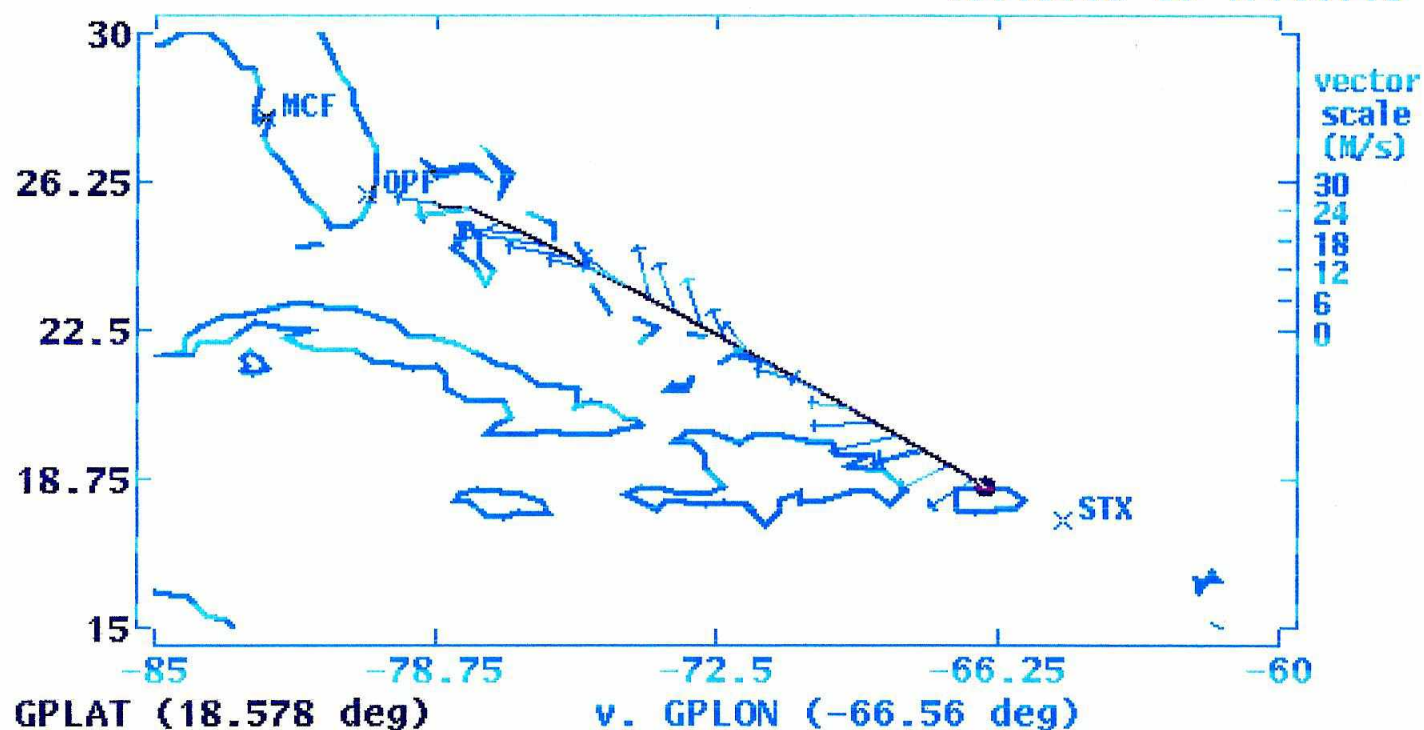
'icbb2' (winds@rainier) Proj. 420 Flt 4 08/19/98 17:06:39

TT1	-16.94 C	TT2	-16.30 C
TT3	-17.06 C	TT4	-16.41 C
WD	66.190 deg	WS	10.682 M/s
TKAT	120.09 deg	TAS1	247.14 M/s
TAS2	246.24 M/s	RD	20.125 C
ROLL	-0.448 deg	SSLIP	1.5540 deg
PITCH	-0.326 deg	ATTACK	2.4587 deg
HGALT	11426. M	PS1M	228.56 mbar
PS2M	229.85 mbar	SSDF1	0.6017 deg
SSDF2	1.2138 deg	TASX	247.14 M/s

'hurricane-97' (winds@rainier) Proj. 420 Flt 4 08/19/98 15:47:1
15:15:05 to 15:47:00



'hurricane-97' (winds@rainier) Proj. 420 Flt 4 08/19/98 17:06:1
15:15:05 to 17:06:13



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

N49RF Project: H098 Project No 420 Flight No. 4 Flight ID: 980819N
 SED Crew: CFH, JH, JCPB, BAD Mission: Ferry - St Croix (VIA GFA Locks)
 Pre-Flight: 1300 Z Take-Off: 1356/1732 Z Landing: 1436/1500 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight	
N A V	IRS #1	✓	JH			
	IRS #2	✓	JH			
	IRS #3	✓	JH			
	GPS Honeywell #1	✓	JH			
	GPS Honeywell #2	✓	JH			
	GPS Collins	✓	JH			
Nose Radar - Collins		✓	JCPB		Off? ☒	
T E M P	Time	Temp °C			Time	Temp °C
	Temp #1	13:38	30.77	JCPB	1736	34.4
	Temp #2		34.8			32.8
	Temp #3		31.07			33.6
	Temp #4		34.2			22.8
	DP Left		22.1		Cal. Time: —	23.6
	DP Right	✓	23.1	✓	Cal. Time: —	23.7
P	Attack Angle (ADCAOA)	✓	JCPB			
R	Slip Angle (BP/DBP)	✓				
E	Differential (PQ1/PQ2)	✓	↓			
S	Absolute (PS1/PS2)		1014.2/1014.4			
S	Check Radome Press. Lines ☒		JCPB ON 980818			
S	DOWN PRT-5 ⇒ Open? ☒	✓			Closed? ☒	
Y	MADS (WINDS/DISCWIN)	✓			# DATs: 1	
S	MADS Printer ⇒ Paper? ☒	✓			Printer Pwr off? ☒	
T	MADS Cal. Date: 8/18		QC time: 1350		QC time: —	
E	WINDS ⇒ NET BCAST ☒	✓	JCPB			
M	HAPS System / Time set? ☒	✓	JH		# Msg.: 0 # Attempts: 0	
S	AVAPS System / Time set? ☒	✓	JH			
	AVAPS Printer ⇒ Paper? ☒	✓	JH			
	Exterior Walk Around		CFH			
	Inspect DropSonde Chute Bolts		CFH			
	Satcom (Flight Phone)		CFH		Off CB? ☒	
	Call COMSAT? ☒ (*292#)		CFH			
M	FCU/UPS/CB		CB's Checked? ☐		UPS off? ☒	
I	AVAPS Sondes		# On Board: 83	# Dropped: —	# Good: —	
S	AXBT		# On Board: 0	# Dropped: —	# Good: —	
C	APN-232	✓				
	Modem Power On? ☒	✓				

1	DAT Tape #1	On: 1340Z	Off: 1736
2	DAT Tape #2	On:	Off:
Comments: Cal @ 1343Z @ 43K feet, QC @ 1545			

Please Note Any Discrepancies

[illegible]