

19800805I. FDLOC 1

RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N43RF	
FLIGHT LOG		FLIGHT NO. 800805I	
		FLIGHT ID 800805I	
		DATE 8/5/80	
TAKE OFF (City or airport) SAFET SJU	LAND (City or airport) SJU	ALTITUDE 1500 5K	
PURPOSE EYE WALL 7 RAINBAND HURRICANE ALLEN			
PROPOSED TAKEOFF TIME: 10Z		PROPOSED FLIGHT DURATION: 10h.	
TIME IN: 1930Z		TIME ON: 1925Z	
TIME OUT: 1015Z		TIME OFF: 1025Z	
BLK. TIME: 9+15		FLIGHT TIME: 9+0	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
TURNER	NUUN	MCPADDEN	STONE
NOCHI		LAMBR.	
RICCI		GOLDSTEIN	
BERGNER		FENNELL	
		BEZDEK	MARKS
		LEWIS	POWELL
		BLACK	TOEEN
		FALLS	McFALLAND
PROPOSED MISSION 1500' for NASA GROUND TRUTH 5000' ③ → ② → ① → 4 → 2 → 5 → 7 → 2 → 6 → 7 - 6 - 7 Plus inv. ④			
ACTUAL MISSION AND REMARKS 1500' for NASA 5000' to pt ⑤ desc 1500' cont to ③-④ ⑥ CIB 5000' ⑥⑦⑧			
DATA COLLECTED AND REMARKS			

FLIGHT TECH: ASGFLIGHT I.D.: 800805IAIRCRAFT: N43RFMISSION: ALLEN

TIME: (Pre-Flt) _____

(Take-Off) _____

(Land) _____

SYSTEM				PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
		ALIGN PI	AID			LAT	LON	GS
NAV	INE1			✓				
	INE2			✓				
	ONE			✓				
	DOPLR			✓				
RAD	INTEGRATION (PRI'S)							
	NOSE			✓				
	L/F			✓				
	TAIL			✓				
DATA SYSTEM				✓				#TAPES:
RAMS DATA SYSTEM				✓				
TEMP		CAL HI	CAL LO	AMBIENT		CAL HI	CAL LO	
TEMP #1				✓				
TEMP #2				✓				
DEW POINT (CLEANED:Y/N)				✓				
ATTACK ANGLE				✓				
SLIP ANGLE				✓				
ABSOLUTE PRESSURE				✓				
DIFFERENTIAL PRESSURE				✓				
RDR ALTM. S/N:				✓				
J&W				✓				
PMS	OAP 2D-C			✓				
	OAP 2D-P			✓				
	FSSP-100			X				
	DATA SYSTEM			X				#TAPES:
FOIL IMPACTOR				X				#INCHES:
ICE RATE DETECTOR				X				
CO2 RADIOMETER				X				
MICROWAVE RADIOMETER				X				
SURFACE RADIOMETER				X				
SEEDER				X				
GUST PROBE				X				
ASDL				✓				#MESSAGES:
PHOTO	RATE			(COUNTS)				(COUNTS)
	FORWARD			X				
	VERTICAL			X				
	RIGHT SIDE			X				
LEFT SIDE				✓				
AXBT SYSTEM				X				
ODW SYSTEM				X				
AXBT EXPENDABLES: #ON BOARD:				#DROPPED:		#GOOD:		
DROPSONDES: #ON BOARD:				#DROPPED:		#GOOD:		
CUMMULATIVE ACCEL. (MELC)				#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)	
(LOG AT END OF FLIGHT)								

CODE: ✓ - OPERATIONAL; X(##) (TIME) - FAILURE (NOTE);

NI - NOT INSTALLED; NU - NOT USED

USE REVERSE SIDE FOR NOTES.

REPORT COMPLETION OF PRE-FLIGHT AND INSTRUMENT STATUS TO FLIGHT DIRECTOR

800805 I

EYEWALL & RAINB.

H. ALLEN

8/5/80

TIME	LA	LO	TA	TD	PA	RA	WD	WS	800ME HT	SP			
1050	17.4	66.9	18.3	6.6	2577	2585	120	31	1513				
1130	16.8	70.1	16.6	16.6	1593	1508	100	56.7	1364				
1143	15.9	70.3	21.6	20.0	2067	1499			830				
1206	15.4	70.8	19.7	17.2	1640	1481	318	37/71	1283				
1238	16.1	71.1	18.3	12.9	1713	1480	32	54	1213				
1300	15.5	70	22.7	22.0	686	535	191	34	1354	993	65 m/s MAY	PFL	
1342	17.0	71.6	17.8	17.6	1581	1514	63	48	1247		4/20 20		
1404	16.2	71.0	21.8	21.2	1983	1506	134	34	926				
1400	16.5	71.4	16	16	1835	1518	58	75	1131				
1504			24										
1535	17.2	72.1	16	16	1608	1530	64	58	1370				
1620	15.8	71.9	19.2	17	1670	1522	292	36	1300		EXT FURB SE AT		
1645	15.9	71.9	20	16	1668	1511	267	40	1275				
1700													
1750	16.3	70.9	16	16	1585	1569	160	36	1435				

2162 AG

182510	Begin	2 min	log
2710	END	"	
182930	Begin	4 min	
183330	END	"	
183500	Begin	2 min	
183700	End	"	

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Turner	Bergner	43	D30602 "Allen"	1025:30	STO N 18-26.4 W 66-00.7	5 Aug 20	"Allen"

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	INE #2/22/DPL POSITION	LAT LON COR'S	REMARKS
1009 1016	N 18-26.4 W 66-00.7		N 18-26.5 W 66-00.7		N 18-26.5 W 66-00.7		Fix Tide
1025							Tide
1041	N 17-54.5 W 66-39.0		N 17-54.0 W 66-38.5	+0.5 +0.5	N 17-54.0 W 66-38.6	+0.5 +0.6	STU 230°T/49.5
1051			N 17-17.7 W 66-57.1		N 17-17.7 W 66-57.0		→ 1500' TR 26.27 Begin Op.
1123			N 16-53.2 W 69-39.0		N 16-53.1 W 69-38.2		→ 5K → Pattern
1123			N 15-55.1 W 70-21.9		N 15-55.1 W 70-21.1		eye "Allen" 122 fix 40nm fix eye
1237			N 15-57.9 W 70-37.1		N 15-58.2 W 70-36.1		eye "Allen" 40nm fix 15nm inner inner open on 15nm
1306			N 15-58.0 W 70-40.0				eye "Allen"
1401			N 16-06.6 W 71-04.4		N 16-07.1 W 71-03.7		eye "Allen"
1506			N 16-12.6 W 71-28.7		N 16-13.1 W 71-27.3		eye "Allen" 152 fix
1550			N 16-22.7 W 71-36.3		N 16-23.2 W 71-35.6		eye "Allen"

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS		
									LAT	LONG	G S
INS 1	0208	32	2 DPL	—	2	1009	19.33	7+24	-0.1	-0.2	0
INS 2 or IMU	0408	32	2 DPL	—	2	1009	19.33	9+24	-0.2	-0.2	1

ALIGN REMARKS: 50 BSE corrected

OTHER REMARKS: D-Ment most of str. variations

TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN
(6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL
(10) OMEGA - INERTIAL

[illegible]