

FLIGHT TECH: ASG FLIGHT I.D.: 800805I
 AIRCRAFT: N43RF MISSION: ALLEN

RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA	AIRCRAFT N43RF
	FLIGHT NO. 800805I
	FLIGHT ID 800805I
	DATE 8/5/80

TAKE OFF (City or airport) SMU SJU	LAND (City or airport) SJU	ALTITUDE 1500 5K
--	-------------------------------	------------------------

PURPOSE: EWE WALL 7 RAIBAND 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	NUNN	MCPADDEN	STONE	BEZDEK	MARKS
NOBLE		LAMBR.		LEWIS	POWELL
RICCI		GOLDSTEIN		BLACK	TOEEN
BERGNER		FENNELL		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 ③ desc 1500' cont to ③-②
 ⑥ CIB 5000' ⑥②③

DATA COLLECTED AND REMARKS

OPERATIONAL; X(F) (TIME) - FAILURE (NOTE);
 NI - NOT INSTALLED; NU - NOT USED

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

FLIGHT TECH: ASG

FLIGHT I.D.: 800805 I

AIRCRAFT: N43RF

MISSION: ALLEN

TIME: (Pre-Flt) _____

(Take-Off) _____

(Land) _____

TIME
1050
1130
1143
1206
1338
1300
1347
1404
1406
1504
1531
1620
1645
1750

SYSTEM			PRE-FLIGHT	INFLIGHT	POST-FLIGHT	
	ALIGN PI	AID			LAT	LON
N A V	INE1		✓			
	INE2		✓			
	ONE		✓			
	DOPLR		✓			
R	INTEGRATION(PRI'S)					
A	NOSE		✓			
	L/F		✓			
A	TAIL		✓			
R	DATA SYSTEM		✓			#TAPES:
RAMS DATA SYSTEM			✓			
TEMP	CAL HI	CAL LO	AMBIENT		CAL HI	CAL
TEMP #1			✓			
TEMP #2			✓			
DEW POINT (CLEANED:Y/N)			✓			
ATTACK ANGLE			✓			
SLIP ANGLE			✓			
ABSOLUTE PRESSURE			✓			
DIFFERENTIAL PRESSURE			✓			
RDR ALTM. S/N:			✓			
J&W			✓			
P M S	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:
P		RATE	(COUNTS)			(COUNTS)
H	FORWARD		✓			
O	VERTICAL		X			
T	RIGHT SIDE		✓			
O	LEFT SIDE		✓			
AXB T SYSTEM			X			
ODW SYSTEM			X			
AXB T EXPENDABLES: #ON BOARD:			#DROPPED:		#GOOD:	
DROPSONDES: #ON BOARD:			#DROPPED:		#GOOD:	
CUMMULATIVE ACCEL. (MELC) (LOG AT END OF FLIGHT)			#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)

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

EYEWALL & RAINB.

H. ALLEN

8/5/80

FORM 59-4

800805 I

TIME	LT	LO	TA	TD	PA	RA	WD	WS	800ms HT	SP			
1050	17.4	66.9	12.3	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	1495			830				
1206	15.4	70.8	19.7	17.2	1610	1481	318	37/71	1283				
1238	16.1	71.1	18.3	17.9	1713	1480	32	58	1213				
1300	15.5	70	22.7	22.0	686	535	191	34	1354	993		65 m/s MAY	PFV
1347	17.0	71.6	17.8	17.6	1581	1574	63	48	1347			4/20 20	
1404	16.2	71.0	21.4	21.2	1483	1506	134	34	926				
1400	16.5	71.4	16	16	1834	1518	58	75	1121				
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	17	16	1588	1569	160	36	1435				

Σ162AS

182510	Begin	2 min	log
2710	END	"	"
182930	Begin	4 min	
183330	END	"	
1835:00	Begin	2 min	
1837:00	End	"	

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Turner	Bergner	43	D30602 "Allen"	1025:30	SJU N 19-26.4 W 66-00.9	5 Aug 80	"Allen"

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION #1/2 Only	LAT LON COR'S	INS #2/2/Dplr POSITION	LAT LON COR'S	REMARKS
1009 1016	N 18-26.4 W 66-00.9		N 18-26.5 W 66-00.7		N 18-26.5 W 66-00.7		Fix Allen Total 150
1025							
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	SJU 230 07/49.5
1051			N 17-17.7 W 66-57.1		N 17-17.7 W 66-57.0		↳ 1500' TR 26.2 Begin Op.
1123			N 16-53.2 W 69-39.0		N 16-53.1 W 69-38.2		↳ 5K ← Patts
1123			N 15-55.1 W 70-21.9		N 15-55.1 W 70-21.1		eye "Allen" 122 fix 40nm S of SJU
1237			N 15-57.9 W 70-37.1		N 15-58.2 W 70-36.1		eye "Allen" 40nm S of SJU 15nm W of inner open on T
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	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERROR		
				ELAPSE ALIGN POST TIME					LAT	LONG	G
INS 1	0708	32	2/Dplr	—	2	1009	19.33	9+24	-0.1	+0.1	0
INS 2 or IMU	0708	32	2/Dplr	—	2	1009	19.33	9+24	-0.2	+0.2	1

ALIGN REMARKS: Sto BFE checked

OTHER REMARKS: D-Mens mod 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

