

RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA	AIRCRAFT M42RF
	FLIGHT NO. 50-90
	FLIGHT ID 800809H
	DATE 9 August '60

FLIGHT LOG

TAKE OFF (City or airport) KMIA	LAND (City or airport) KMIA	ALTITUDE 10 000'
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PURPOSE
Hurricane "Allen"

PROPOSED TAKEOFF TIME: 2330 Z	PROPOSED FLIGHT DURATION: 10 hrs
TIME IN: 0946 Z	TIME ON: 0943 Z ^{11/10}
TIME OUT: 2324 Z	TIME OFF: 2335 Z
BLK. TIME:	FLIGHT TIME:

FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
Worley	Covell	Rosby	Zysko	Shea	Parrish
Gonzalez	Ross	Lambrecht		Parrish	
Mandelkern		Sims		Black	
Nelson	Papworth	Connor		Goldenberg	

PROPOSED MISSION
0210, 03, 06, 09 fixes

ACTUAL MISSION AND REMARKS
03, 06, fixes
04, 0430, 0532, 0640 Intermediate fixes
Flew north-south along coast. Approx 100 nm. to north and 60 nm. to south of eye. On first pass we flew approx 150 nm. to north of eye. Hurricane winds extended to 150 nm. to the north of the eye.

DATA COLLECTED AND REMARKS
First 3 fixes by penetration
Later fixes by radar-eye over land

0740

Corpus Christi

N 27 54.2
W 097 26.7

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Dorley	Nelson	142	800809	23 34	N 25 48.3 W 08017.6	9 Aug 80	E Allen

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
23 24	N 25 48.3 W 08017.6	4	SAME		SAME		EIK
23 34	N 25 48.1 W 08018.0	4	18.1 SAME		18.1 SA		T/O.
0009 1/2	N 25 58.0 W 08240.0	2 10	N 25 55.3 W 08241.5		N 25 55.3 W 08241.5		MEA 089/114 1/2
0058	—	10	N 26 02.9 W 08727.2		N 26 03.8 W 08725.6		INE Q 7034 #2034
02 39		10	N 25 51.2 W 096 51.2		N 25 53.0 W 096 48.3		0120 116 7180 PASS #1
03 02	N 27 26.4 W 096 47.2	2	N 27 24.1 W 096 51.5		N 27 26.0 W 096 48.6		CRP 310/45
04 03		10	N 25 59.3 W 097 01.2		N 26 01.4 W 096 59.1		PASS # 2
04 36		10	N 26 02.0 W 097 08.0		N 26 03.7 W 097 05.4		PASS # 3
04 54	N 27 16.0 W 097 04.5	2	N 27 15.91 W 097 06.6		N 27 16.1 W 097 04.3		352/432 CRP
05 30		6 10	—		N 26 03.9 W 097 02.8		ABERAM FRT 1040 E ALLEN ASHOR H9
06 02		6 10	N 26 07.0 W 097 02.8		N 26 08.1 W 097 02.8		ABERAM TH 358.5 lng 13 H9
06 16	N 27 10.3 W 097 08.0		N 27 11.1 W 097 06.3		N 27 11.4 W 097 04.2		339/47 CRP BAD FIX TACK AZ

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.	Δ T (2)(1)	TERMINAL ERROR		
									LAT	LONG	GS
INS 1	22 30	Y	Y	—	5	23 20	09 47	10.5	0	40.9	1
INS 2 or IMU	22 30	Y	Y	—	5	23 20	09 47	10.5	41.1	-0.1	0

ALIGN REMARKS: A/c was moved during Align. Re-aligned at

OTHER REMARKS:

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

1φφφ122 Sat on

42402
25.70
970W

AE	LA	LONG	RA	PA	TA	TD	WD	WS	HT
φ67φ2	26.0	84.7	5168	4897	-2.4	-18.7	78	7.4	5884
φ132	26.1	90.7	5810	5490	-4.4	-11.4	163	24	5890
0200	26.0	93.2	5768	5495	-4.9	-6.1	164	48	5853
0232	25.9	96.3	2928	3052	12.2	12.2	167	67	2852
0337	27.5	96.8	3064	3029	9.6	9.6	95	69	3041
0400	26.2	97.0	2804	3029	13.1	13.1	90	68	2779
0434	26.0	97.1	2679	3025	15	15	250	10	2646
0500	27.6	97.1	3046	3024	9.7	10.7	110	82	3041
0532	25.9	97.1	2835	2026	13.1	13.0	235	49	2833
0600	25.9	97.1	2835	3024	13.2	13.2	213	60	2813
0630	27.3	97.1	3003	3028	10.2	11.0	111	80	2986
0730	26.5	92.8	7445	7054	-12.8	-13.1	199	26	5855
0820	26.1	86.8	7415	7029	-16.2	-24.0	305	13	5889

φ7φ8 All 60Hz Power lost
0722 back on again

Adding more than 1012 records stops 'text' prog - also I VORTER

CPU 2 hanging up - not HALT

9 Aug '80
N42RF

"Allen"

N 27 54.2

59-4

Time	Lat	Lo	D	S	T _A	T _D	P _A	P _D	SST	SP	Notes	
0537	26.0	97.2	70	4	-1	-16	5171	4292	22	1007	Sound	
0113	26.1	98.9	142	6	-1	-12	5171	4822	22	1010		
0125	26.1	98.0	149	9	-5	-14	5213	5492	22	1009		
0147	26.0	92.1	159	23	-5	-11	5793	5495	21	1006		
0157	26.0	93.1	167	26	-5	-7	5767	5495		1007	Sound	
0211	26.0	94.5	174	21	-6	-2	5713	5495		993	Sound	
0222	25.9	95.4	182	34	-2	-2	5650	5471		988	Sound	
0222	Decreased to 10 k'											
0555	25.6	97.1	240	26	12	13	2892	3025		973	40 Miles from eye	
0559	25.8	97.1	225	28	13		2848	3025		968	30 Miles	
0602	Eye at 26° 08' N 97° 15' W						Radar					
0626	27.5	97.1	109	37	10		3018	3026		989	80 Miles	
0632	27.2	97.1	117	41	11	10	2726	3025		986	60	