

19820915 I I FDR

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. 60-82	
		FLIGHT ID 820915 I	
		DATE SEPT. 15, 1982	
TAKE OFF (City or airport) MIA	LAND (City or airport) MIA	ALTITUDE 19 ^K - UP	
PURPOSE NHRL ODW mission OF DEBBY			
PROPOSED TAKEOFF TIME: 182		PROPOSED FLIGHT DURATION: 10 HRS	
TIME IN: 0320		TIME ON: 0311	
TIME OUT: 1815		TIME OFF: 1825	
BLK. TIME: 9.1		FLIGHT TIME:	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
TICKNOR	NUNN	HAYDU	STONE
NOBLE		PARADIS	
COX		GOLDSTEIN	
FLEURY		SCHRIKKER	
PROPOSED MISSION all enclosed plans			
ACTUAL MISSION AND REMARKS INED (NAV DATE 2015), TT 1 DATA COLLECTED AND REMARKS 2 P/O 1 DOPPLER ODW 1 SLOW 2 RADAR 20 GOOD 4 BAD			

J200
1100

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Ticknor	Cox	43		182440	MIA 2 MIA	8209 15	Dropsonde Mission

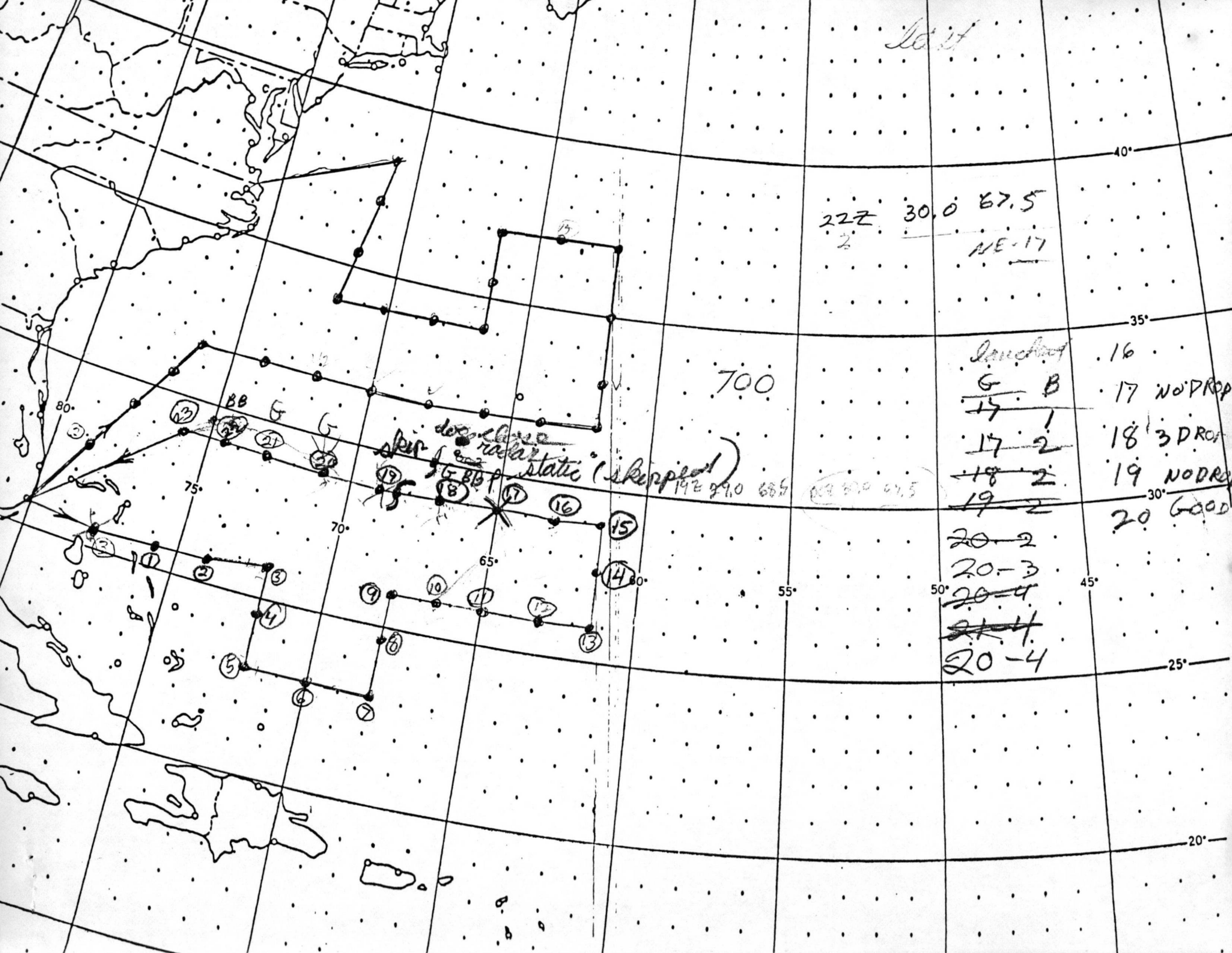
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
1805	25-48.3 080-17.0		✓		✓		Ramp using #2
							Running unaided making needle jump 2 signal strength 11.0
Fix 1855	25-48.0 077-57.0		25-47.0 077-59.8		25-46.9 078-00.2		265/70
1902	25-53.0 077-30.0		25-49.1 077-30.0		25-48.9 077-30.4		262/97 <u>update</u>
2015							Using #2 ^{2 signal} still ↓ #1 decoupled trying to use 2
			03/050				Land
	25-48.2 080-17.6		25-55.4 080-08.1	-72 +9.5	25-53.0 080-11.0	-4.8 +6.6	Ramp
							9+29

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 ERRORS		
									LAT	LONG	G S
INS 1		✓	✓		4	1756	0325	9.5	-7.2	+9.5	3
INS 2 or IMU		✓	✓		4	✓	✓	✓	-4.8	+6.6	3

ALIGN REMARKS:

OTHER REMARKS: #1 decoupled at ~ 2015Z Running unaided!

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



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TIME	LAT	LONG	TK	WD	WS	RA	PA	TA	TD	PS	FWZ	HT	DV
	1011.6	PS 1012.5						1013		1012.5			
	1011.8			1012									
	1825	25 78	80 25	114	55	9	177	262	28.3	20.2	98.5	-0.6	
1856	25 78	78 02	84										
1857	25 78	77 91	85	01	008	6114	5822	-5	-20	483.4	-0.5	5839	
1917	25 87	76 32	86	35	012	6270	6447	-10	-24	443.5	0.0	5838	325
192255	25 90	75 79	87	350	6.5	6766	6444	-10	-24	443	-0.2	5	
ODW#1	GOOD												
1937	25 94	74 53	88	32	018	6759	6438	-10	-24	444	0.3	7554	318
194240	25 97	73 95	85	323	10	6755	6438	-10	-23.5	444	0.0		
ODW#2	GOOD												
195700	26 01	72 62	88	27	024	6745	6436	-10	-24	444	-0.7	7545	310
200444	25 94	71 95	184	280	11	6741	6434	-10	-24.5	444.3	-0.5		
ODW#3	GOOD												
201700	24 93	71 99	180	28	024	6746	6431	-10	-24	444.4	0.2	7551	315
202203	24 49	72 01	183	278	7.2	6752	6431	-11	-24	444.5	0.0		
ODW#4	GOOD												
203030	23 79	71 99	181	290	11	6752	6430	-11	-25	444.5	0.5		
204040	22 99	71 88	88	270	10	6759	6430	-11	-24	444.6	0.0		
ODW#5	GOOD												
210140	22 99	69 99	91	270	11	7427	7055	-14	-28	407	0.1		
ODW#6	GOOD												
211330	23 01	68 91	91	265	10	7605	7225	-16	-29	398	0.0	7562	379
212405	23 11	67 98	358	240	9.5	7602	7223	-16	-29	398	0.2	7564	375
ODW#7	GOOD												
214245	24 67	67 98	360	231	12	7737	7356	-17	-27	390	0.0	7836	380
ODW#8													
215915	26 02	67 88	94	260	15	7721	7355	-17	-28	390	0.0	7537	365
ODW#9	GOOD												
220720	26 00	67 09	91	250	12.5	7726	7354	-17	-29	390	0.7	7545	372
221335	26 00	66 46	90	242	12	7725	7350	-17	-29	391	-0.2	7549	375
ODW#10	GOOD												
222830	26 01	64 96	90	254	12	7731	7350	-17	-27	391	0.2	7556	384
ODW#11	GOOD												
223600	26 01	64 22	91	235	12	7735	7349	-17	-29	391	0.2	7558	384
224645	25 98	63 13	92	240	12	7734	7349	-17	-29	391	0.1	7558	384
ODW#12	GOOD												
2230540	26 16	61 42	350	240	9	7736	7344	-17	-29	391	0.0	7565	380
ODW#13	GOOD												
223211	27 51	61 50	357	235	10	7734	7345	-19	-30	391	0.5	7566	382
ODW#14	GOOD												
2234225	29 17	61 64	257	180	2.0	8405	7979	-22	-25	357	0.0	7559	427
ODW#15	GOOD												
2351	29 00	62 40	254	190	4.0	8401	7977	-21	-27	357	0.0	7532	423
235715	29 01	63 02	272	215	10	8376	7976	-21	-26	357	0.1	7554	423
ODW#16	GOOD												
060449	29 00	63 70	269	205	14	8391	7974	-21	-27	357	0.0	7547	416
ODW#17	GOOD												
002330	28 99	65 42	272	210	22	8385	7975	-21	-24	357			
ODW#18	(NO LAUNCH)												
004105	28 99	67 02	266	211	14	8351	7972	-21	-29	357	0.2	7511	377
004414	28 99	67 31	270	212	12	8351	7972	-21	-31	357	0.4	7511	377
ODW#19	(NO GOOD)												
ODW#18	GOOD												
ODW#19													
004930	28 99	67 81	270	220	11	8349	7973	-21	-31	357	0.5	7507	374

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