

FLT ID: 960425 I	FM: ADC	TO: ADC
FLT NO: 96-33	BLK IN: 0231	ATA: 0227
ETD: 182	BLK OUT: 1746	ATD: 1754
ETE: 8.5	BLK TIME: 8.45 (8.8)	FLT TIME: 18.33 (8.5)
SPONSOR ORG: NOAA	PROGRAM: FOG I	PURPOSE: FLIGHT 3

DAO PERSONNEL

AC McKim ✓	SYS ENG Lynch ✓
CP Kennel	DATA SYS Barr
NAV Strong ✓	RADAR
FE Moore ✓	BT/ODW
RADIO Arason ✓	CLD PHYS
FD Parrish	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Bond, D. ✓	P.I.	
Davis, R. ✓	Spectrometer	
McClain, S. ✓		
Stewart, B. ✓	Redometer	

47

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

1.0/-1.0 N22 FREEMAN INFO Fly to Freeman via 57°50'N, 161°50'W.

1001 m/s 56 03.6 ~ 2010Z. ~~Butter~~ Figure 4 over ship.

3.7 106 19.5

the close in work to Unimak Is.

- Flew 2 leg extension of pattern E of ship in chlorophyll concentration.

166 19.5

960425 III FOCI #3

Time	LAT	LOD	TK	WD	WS	PA	GA	TH	TD	SP	PS	RD			
1746	6110.4	14958.2				132		4.4	-2.0		991.7		BLK		
175545	6108	14953	216	26	4.7	766	566	1.0	-4.6	994.2	996.7	3.2	T		
180030	6055.9	15024.7	238	131	18	3117	3800	-14.7	-20.9	990.3	973.0	4.8	T		
1805	6046	15057	237	128	18.3	4645	4112	-26.0	-28.6	995.6	961.8	-10.5	T in cld		
182215	6011	15318	249	130	20.5	4818	4262	-34.4	-39.9	936.4	983.6	-19K			
185420	5858.4	15805.2	235	65	9.8	5812	5424	-34.3	-40.2	966.2	984.0				
191215	5820	16009	244	73	3.2	5329	4918	-29.4	-42.6	996.6	930.8	↓			
1921	5802.5	16110.5	237	95	15.6	491	297	1.3	0.2	991.5	955.7	-11K	over fog		
192930	5744	16201	235	358	10.4	492	303	0.8	-2.1	992.2	955.4	CLEAR	LOW - EDGE OF FOG		
1940	5722.6	16258.1	238	325	22.7	347	179	-1.9	-3.4	994.4	972.1	-1.6K	under shallow SC		
195830	5641	16424	239	328	22	337	192	-3.2	-5.7	997.2	968.2	T to 1K			
201315	5616.1	16546	240	330	17.5	436	305	-3.8	-8.1	962.3	962.0	3.0			
201939	5603.7	16620.5	235	330	18.5	432	305	-3.5	-7.2	990.2	961.7	3.6	SHIP		
2028	5546.7	16702.9	235	334	18.8	436	316	-3.0	-7.6	1001.1	961.8	3.9			
203840	5524.6	16752.6	~	335	20	301	306	-3.0	-6.8	1002.5	962.4	3.9	SW color - turn		
205915	5628	16729	~	334	21	436	323	-4.1	-7.1	1001.6	962.9	3.3	NW to sky		
211050	5604.9	16823	125	336	26.6								CIT 12 ✓		
211122	5602.5	16820	126	332	24.0	430	205	-3.5	-8.0	1000.3	962.3	3.4	FREE MAN		
2130	5544.8	16537.7	320	320	19	435	308	-3.2	-6.8	1000.1	962.2	3.7	Looking for Chlora		
214015	5610.1	16556.5	42	323	20	435	306	-3.7	-8.0	1000.2	961.8	3.1			
215130	5545	16503	136	313	19	438	308	-3.2	-6.7	999.4	962.5				
215726	5526	16844	168	317	18	435	306	-2.8	-6.2	999.8	962.1	3.7	CH 14 ✓		
220143	5510	16438										3.8	CH 12 ✓		
220630	5454	16439	291	308	15	434	309	-2.0	-6.7	1000.2	962.3	3.7	Turn to UNMARK		
222015	5500	16542	174	320	20	436	319	-2.2	-6.8	1001.2	962.4	3.7	Turn to S		
222805	5430	16539	~	317	24	432	318	-1.7	-5.6	1001.5	962.3	4.1	Turn to WDW		
224417	5437	16651	139	321	22	435	382	-2.3	-5.7	1003.0	962.2	4.2	CIT 16 ✓		
225115	5411	16620	138	317	22	433	330	-2.3	-5.4	1002.9	962.2	4.2	CIT 12 ✓		
230545	5487	16452	89	314	25.7	432	311	-1.8	-4.0	1000.7	962.2	3.7	In pass		
231230	5402	16418	141	300	24	436	314	-1.5	-4.5	1000.5	962.1	4.2	S of UNMARK		
231830	5344	16351	~	302	30.5	431	309	-1.2	-4.2	1000.5	962.5	4.6	S of TURN D		
233120	5415	16351	145	320	25	434	365	-1.3	-4.4	999.4	962.4	3.8	CH 14 ✓		
233727	5353.5	16325.9	146	315	26	437	309	-0.8	-4.6	999.7	962.5	4.0	CH 12 ✓		
234500	5329	16257	145	314	33.4	435	311	-0.7	-3.6	1000.2	962.1	4.2	CIT 16 ✓		
235228	5307.8	16229.7	44	315	30.4	431	313	-0.2	-3.7	1000.4	962	4.6	CIT 12 ✓		
000130	5331.8	16152	43	289	27.3	436	302	0.1	-2.7	998.8	962.1	4.5			
001045	5356	16115	41	308	20	441	302	-0.5	-2.8	998.1	955.4	4.6	T to ADC		
0024	5442.6	16022.1	34	282	22.5	5833	5503	-32.7	-39.6	1000.3	482.7				
004530	5602.6	15831.3	38	282	16.4	5831	5466	-33.5	-44.1	999.0	482.9				
0107	5722.2	15647.2	21	350	18	5831	5443	-35.7	-42.5	1002.4	482.9				
012730	5831	15502	38	58	17	5830	5405	-36.4	-42.4	998.6	482.8				
014230	5920.6	15342.5	45	100	25.9	5829	5469	-35.4	-39.4	1004.3	482.8				
021530	6056	15051	43	40	20	1016	842	1.5	-2.9	994.7	907.4	↓			
022345	6109	15015	71	68	5.4	599	375	5.0	-1.9	987.4	948.6	↓ to	Turn ✓		
0231	6110.4	14958.2				181							BLK		

1921-
0011

960425I N43RF FOCI-96 FLIGHT 3

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	2
Dew Point Probe	1
Altimeter	APN-159
Altitude change option (for vertical winds)	PA
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3962.CON

Notes:

INE 1 positions were corrected periodically with good GPS positions. No corrections were made to groundspeeds.

Removed bad APN-159 radar altitude values near landing and replaced them with APN-232 data.

Special note. Locations 80, 81 and 82 of the Type 5 record on the Standard Tape contain vertical groundspeed, vertical airspeed and vertical wind, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Jack Parrish, Flight Director

Block 1746

MISSION PREFLIGHT LOG				NAVIGATOR			AIRCRAFT COMMANDER			FLIGHT DIRECTOR			SCHEDULED / ACTUAL TAKEOFF Z			DATE OF TAKEOFF			
WP	LAT / LON	RTE	MH	VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA	REMARKS	
1P	57-50.2 161-50.0	AD											413	1428	1928	1926	1927		
2P	54-00 161-00																		
3P	56-04.2 160-21	56-03.842 160-20.842														2021			
4P																			
5P																			
6P																			
7P																			
8P																			
9P																			
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INS PERFORMANCE		
BEGIN ALIGN TIME	INS 1	INS 2
	1619	1619
ALIGN STATUS (0-5)	0	0
END NAV TIME	0231	0231
START NAV TIME	1741	1741
DELTA T	8450	8450

TERMINAL ERRORS		
DELTA LAT	INS 1	INS 2
	-2.0	+3
DELTA LON	+5.1	+3.7
RGS	4	3
RADIAL ERROR	3	2

REMARKS	
CAF	
ANAL	RV
AI	
160	126.4
Row 6	50 1637