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U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWFI

Flt ID: 040303I	From: kmcf	To: kmcf
Flt No: 04-18	Blk In: 1424Z	ATA: 1416Z
ETD: 0000Z	Blk Out: 0940Z	ATD: 0951Z
ETE: 4.5 Hr	Blk Time: 4:44 (4.7)	Flt Time: 4:25 (4.4)
Sponsor Org: NRL	Program: SAR POD	Purpose: Sar Pool Test

AOC Personnel

AC: SILAH	Sys Eng:
CP: Strong	Data Sys: Lynch
Nav: Adler	Radar:
FE: Floyd	GPS/BT:
FD: Mayeaux / Damiano	Cld Phys:
Avionics: Tong	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Marmorino, G	PI	NRL
Judd, P	IR Camera	NRL
Toporkov, Jarkov		NRL
Perkovic, D	Sar Pod	U-mass
Sletten, M	PI	NRL

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

2-5 k ft 500ft

GS around 195 kts

Over Buoy 28°30' 80°11'

EW Leg 10 Nm centered over Buoy 2000 ft

5 minute NS Legs at 5k ft

NS Legs = 1 Leg over Eastern Leg of Gulf Stream 2k ft

overfly 500 ft strips near Gulf Stream

Rerun setup at 0945Z. Vertical winds may be off.

Gulf Stream - 80°2.2'

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AOCWFF2

Flt ID: 040303I Time Off: 0951Z Time On: 1416

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1018.2	3025	1024.5	3033

	Number	Data Disposition / Date / Quality	
Flt Lvl Tapes			
Radar Tapes			
Cloud Physics Tapes			
Video Tapes			
AXBT			
AXCP			
AXCTD			
Dropsondes			

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks



NOAA P-3 N43RF SAR POD PROJECT



Flight ID: 040303I

Sensor or system

INE

Accelerometer

Temperature Probe

Dew Point Probe

Altitude (for vertical wind)

Static Pressure

Dynamic Pressure

Time Source

Constants File

Number or Name

2

2

1

2 (Edge Tech)

Radar Altimeter 159

Rosemount Fuselage

Rosemount Fuselage 1281

Micro 99

CO3041.CON

Notes:

There were a number of time/data gaps during this flight. These occurred at 094927Z-094930Z, 095001Z-095010Z, and 105711Z-110450Z.

From 094901Z-095900Z and from 141530Z-141900Z, Radar Altimeter 232 was used in place of Radar Altimeter 159.

The King Liquid Water sensor was not operating during this flight.

The aircraft INE positions were renavigated with respect to GPS.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.
It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft Static Pressure	1018.2 mb	1024.5 mb
Corrected Tower Pressure	1023.7 mb	1026.4 mb

Flight Director: Martin Mayeaux (813) 828-3310 ext. 3086

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Flight ID: 040303I

1005 run

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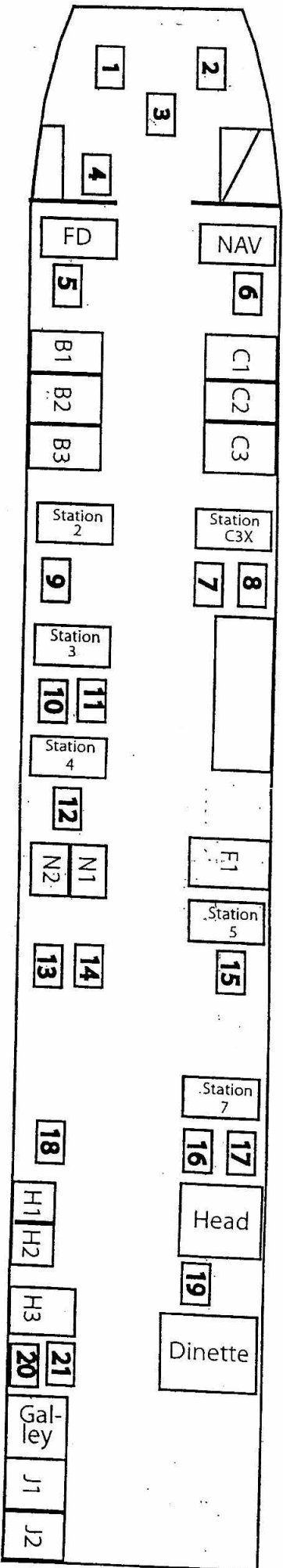
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Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt	Geo. Alt	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
						2000 ft			100	Second Runs	1:40			
125450	2826	8012	346	355										Data Collect begin
125711	2834	8013												Data Collect End
130250	2827.2	8012.2	346	356										Data Collect begin
130441	2833	8013.1												Data Collect End
130927	2837	8015												Data Collect begin
131142	2843	8014												Data Collect End
						Buoy overpass			500 ft					
131950	2830	8010	264	261	142	13	22	15.3	26	145	1027.0	1010.1	58	Data Collect begin
132200	2828	8018												Data Collect End
132948	2836	8010	256	252										Data Collect begin
133122	2829	8016	250	247										Data Collect End
						Coast overpass			2000 ft					
133830	2808	8027	200	197	123	13.7	19.5	9.2	474	599	1026.1	987.2	59.4	Leg over Coast
134401	2751	8034	230	233	104	8.6	18.5	9.3	609	734	1025.9	987.1	52.7	End leg over coast
						End of Science								
140922	2756	8217	256	253	142	15	18.4	9.7	539	648	1024.2	949.6	61.1	

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 0403031

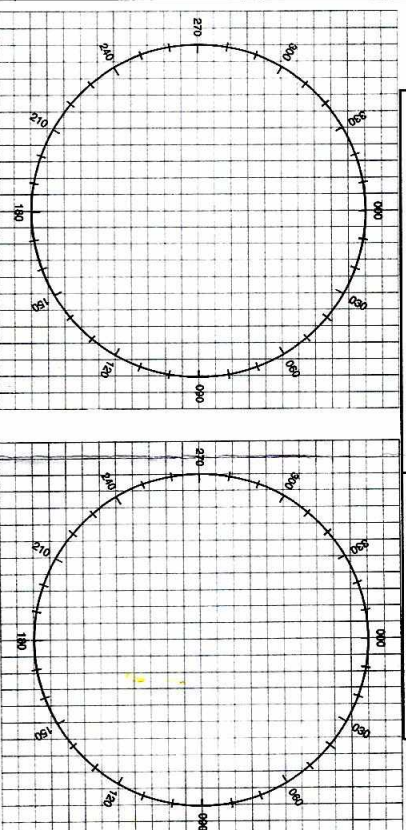


1. Strong PILOT
2. Silva COPILOT
3. Floyd FLIGHT ENGINEER
4. _____ STATION 1
5. Mayeaux FLIGHT DIRECTOR
6. Adler NAVIGATOR
7. _____ STATION C3X
8. Perovic STATION C3X
9. Steffen STATION 2
10. Pamiano STATION 3
11. _____ STATION 3
12. Lynch STATION 4
13. Perovic PROJECT SEAT
14. Perovic PROJECT SEAT
15. Tong STATION 5
16. Judd STATION 7
17. Marking Marmon STATION 7
18. _____ STATION 8
19. _____ DINETTE
20. _____ GALLEY
21. _____ GALLEY

✓ 080 1.500

[illegible]

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1. POSITION

2. TIME

3. ALTITUDE

4. NEXT POSITION

5. ETA

6. NEXT POSITION

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA _____

- POSITION _____ N/S _____
 _____ E/W AT _____ Z _____

-HEADING _____ TRUE/MAG
-AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD
NATURE OF EMERGENCY _____

- NATURE OF EMERGEN
- ASSISTANCE DESIRED
- BILL OF INTENTIONS

- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

[illegible]