

PSM

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

FLT ID: 20205171	From: KMCF	To: KMCF
FLT #:	Blk In: 2216 Z	Lnd Time: 2208 Z
ETD: 1800 Z	Blk Out: 1901 Z	T/O Time: 1910 Z
ETE: 4400	Total Blk: 3.3	Total Flt: 3.0
Sponsoring Org: AOC	Program: TDR	Purpose: TDR TEST

AOC Flight Crew

Aircraft Commander: SWEENEY	Data System: NAETTER
Co-Pilot: PRICE /	Avaps:
Navigator: BRAYLOB /	System Engineer: LYNCH C
Flight Eng: KLIPPEL, DARBY HEISTER	AA: PERK
Flt Director: SEARS, HENNING	AA:
Avionics: BOSKO	Crew Chief:

Participating Scientists, Visitors, & Add'l Aircrew on back.

of people listed on back:

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure				

ATIS - Takeoff	
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ATIS - Land	
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Data Source	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Dropsondes	Good: Bad: Sent:	
AXBT		

List other data sources on back in Remarks section.

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times:	Fix #	Fix Time
Storm Name: _____			
Mission ID: _____			

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FLT ID:

T/O Time:

Z

Lnd Time:

Z

Name (Last, First)

Activity on Aircraft

Affiliation

Remarks:

TDR TEST FLIGHT

WX BRIEF ITEMS

- WINDS 240-270 10 G20

- BKN/SC 030

ON STATION

STORMS WILL BE MOVING EAST 20 KT OR SO

ALT- 7-11K

PARALLEL LINES TO STORMS

~ 15-20 MI OFF

N

SEA SKT NEB VA NEB

RETURN WX

WINDS 270 10-20KT - TSTORMS VC
BKN 030



N43RF Error Summary TDR Test Flight

Flight ID: 20120517I1

Sensor or system

Inertial Selected (for wind derivation)
Accelerometer
Temperature Probe
Dew Point Probe
Static Pressure
Dynamic Pressure
Altitude (for vertical wind)
Flight Directory
Constants File

Number or Name

INE 1
AccZfilterI-GPS.1
TTM.1
TDM.1
PSM.2
PQM.2
AltI-GPS.1
acdata/MET/2012/20120517I1
20120517I1/AAMPSCConfig/core/n43.xml

Local Met Data	Takeoff (1910z)	Landing (2208z)
Aircraft Static Pressure	1013.3 mb	1012.3 mb
Tower Pressure (corrected)	1012.3 mb	1011.6 mb

Notes:

There were no AAMPS data system gaps or problems.

On the ground, PSM.1 matched better with the station pressure recorded by the KMCF ASOS

Position data from the Novatel did not agree with other GPS and inertial data.

PDBeta.2 (Sideslip pressure differential from the radome) appeared to ice during high attitude transmit to KMCF.

Two sondes were released. One was a test sonde.

Tested the AAMPS weather message module. Transmitted 1 TEMPDROP, 2 RECCOs (1 with CCA, and HDOBs.)

All other flight level instruments worked optimally during the flight.

Flight Director:
Phone #:

Ian Sears/ Richard Henning
(813) 828-3310 ext. 3039/3086

NOAA • AOC • SED

N43RF AVAPS DROP LOG

Lead Tech: Joe Bosko

Project: Ocean Winds 2012 Mission: TDR testFlight ID: 20120517I1

Take Off: _____

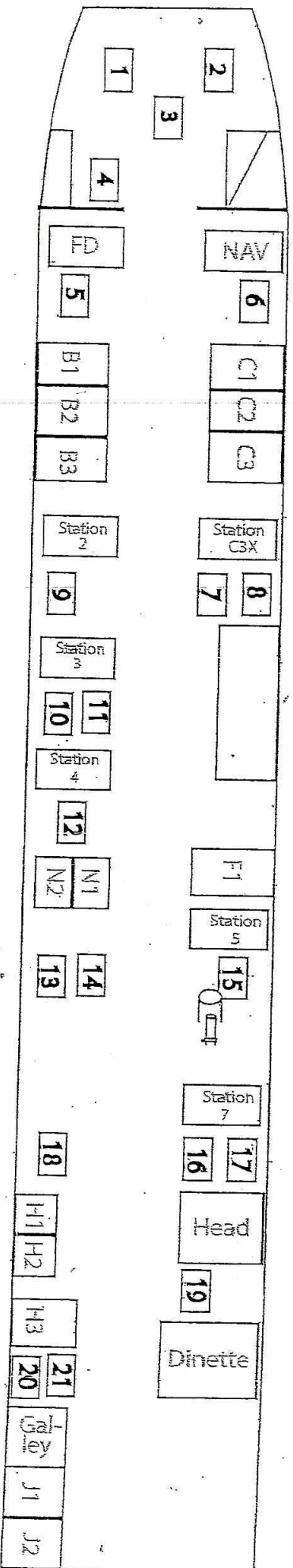
Landing: _____

Flt Dir: IAN

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	112115 240	1	0	211	JB	JEFFS PSM	Control Sonde	9
2	111 255195	2	-1.7	2112	JB	PSM	TEST Sonde	9
3								
4	#2 ID'd as 0000000000							
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NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 20120514 IT



1. SWEENEY
PILOT

2. PRICE
COPILOT

3. KLIPPEL
FLIGHT ENGINEER

4. HENDIN
STATION 1

5. SEARS
FLIGHT DIRECTOR

6. BRACOB
NAVIGATOR

7. STATION C3X

8.

STATION C3X

9. LYNCH
STATION 2

10. PEEK
STATION 3

11. STATION 3

12. ALDER
STATION 4

13. PROJECT SEAT

14. PROJECT SEAT

15. BOSKO
STATION 5

16.

STATION 7

17. STATION 7

18. STATION 8

19. DINETTE

20. GALLEY

21. GALLEY

"I": 16552 v/3 10 F 3.2K 29 22

EMERGENCY MESSAGE

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 **43**

- 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

- ASSISTANCE DESIRED

- PILOT INTENTIONS

- WE HAVE ENDURANCE REMAINING

(G) - GPS (I) - INS (R) - RADIO (V) VISUAL (C) - CELESTIAL (D) - DR

[illegible]

[illegible]