

FLT ID: 991002I	FM: KMCF	TO: KMCF
FLT NO: 00-01	DLK IN: 0025	ATA: 0015
ETD: 1730	DLK OUT: 1731	RTD: 1740
ETE: 8	DLK TIME: 6:54(6.9)	FLT TIME: 6:35(6.6)
SPONSOR ORG: HRD	PROGRAM: Air Sea Resear	PURPOSE: CS, CTDs, AFASTS

OAO PERSONNEL

AC McKim ✓	SYS ENG McMillan ✓
CP Kennel	DATA SYS Delgado ✓
NAV Newton ✓	RADAR Lind ✓
FE Moore	BT/ODW Young D. ✓
RADIO	CLD PWS Dunbar, Sam
FD Parrish ✓	DOPPLER Floyd

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Black, P. ✓		
Cole, J. ✓		
Shay, N. ✓		
Jacob, D. ✓		

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

TEAL 13. WXWXA RESEARCH. TEAL 13.  
 8 CP 9 CTD 30 STS some control problems at T.O.  
 #3 #3 - Lost on external BT at T.O.  
 1015 1552 1004  
 31 23 10/17  
 30.04  
 1016.5  
 2222Z - Cracked wind shield - heading home

31.4/21.3	2255	85/11
1015.5	040/8	1016
1740	24/24	27.7/21.7
80/6	30100	
	-59	
	086/12	Lowcl



Gulf Warm Core Ring  
N43RF

Flight 1 I991002

DATA TYPE	SENSOR or OPTION
INE	2
Accelerometer	2
Temperature Probe	1
Altitude (for vertical wind)	RA159
Static Pressure	Fuselage
Dynamic Pressure	Fuselage
Dewpoint Probe	2

Notes:

Patched INE 2 positions, pitch, roll, and ground speeds during short time gap beginning 173220z. This was a 6-second time gap.

Patched bad values of APN-159 radar altimeter before take-off, after landing.

Renavigated this flight's INE positions using 11 valid GPS positions.

This flight was prematurely terminated due to a cracked windshield at 2222z. Dropped 6 more expendables along track back to MacDill after the windshield cracked.

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

	Takeoff	Landing
Aircraft static pressure	1015.5 mb	1015.9 mb
Corrected tower pressure	1016.5 mb	1016.0 mb

Flight Director: Jack Parrish, (813) 828-3310 ext. 3073