

19991004I1 - FDIR

Gulf Warm Core Ring (Continued)
N43RF

Flight 2 1991004

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

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

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	1015.0 mb	1014.0 mb
Corrected tower pressure	1016.2 mb	1014.0 mb

Flight Director: Jack Parrish, (813) 828-3310 ext. 3077

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO. 1 OAOWF1 FILE

FLT ID: 991004 I	FM: KMCF	TO: KMCF
FLT NO: 00-02	BLK IN: 2252	ATA: 2243
ETD: 1730	DLK OUT: 1723 1800	RTD: 1811
ETE: 5+	BLK TIME: 4:46 (4-8)	FLT TIME: 4:32 (4.5)
SPONSOR ORG: WRD	PROGRAM: Air-Sea Int	PURPOSE: BTs, CBs, CTs

OAO PERSONNEL

AC: Jensen, D. ✓	SYS ENG: McMillan, S. ✓
CP: Keen, P. ✓	DATA SYS: Lino, V. ✓
NAV: Deedman, C. ✓	RADAR: Delgado, V. ✓
FE: Moore, H. Best, B. ✓	DT/ODW:
RADIO:	GLB PHYS: Hornbeck, A. ✓
FD: Parrish, J. ✓	DOPPLER:

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Black, R. ✓		
Crow, J. ✓		
Shay, D. ✓		
Jacob, D. ✓		
Walsh, E. ✓ 1.00		

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

1897z Fly triangle SW of MCF to fill in drops missed on 990002I.

29/23 30.08
1016.2
10018
130/5 2'

28/23 350/5
1015 27/2K
110/8.5 29-97
- 31
Em-3K 1014
- -
Em-5K 1012.6
Em-5K 1015 Em-1.5K
Em-1.5K 300/11
OB-1.8K 28/23.8

1013.5

991004I Air-Sea Interaction

Time	Lat	Lon	TK	WD	WS	PA	GA	TA	TD	SP	PS	TD	
1723	27 09	82 29.6				-17		29	23		1015.3		BLK
1816	27 48.2	82 23.7	229	129	9.2	2050	2150	13.6	9.0	1015.3	779	9	
1850	27 10.6	84 54.8	251	185	12.5	3054	3231	8.7	6.2	1013.6	696		
190045	26 56	85 39	251	150	15.7	1441	1527	12.5	16.0	1014.6	851	-SK	
190559	26 49	86 00	251	167	24.6	1440	1511	17.8	14.9	1013.8	851.5	CTD 14	Drop 1
191716	26 36	86 45	251	180	23	1455	1533	17.2	15.5	1013.9	850.3	CP 12	
1925	26 27	87 15	254	186	21	1436	1511	17.1	14.8	1013.5	852.4	CP 16	
193330	26 19	87 51	252	83	10	1436	1501	18.4	15.2	1011.9	852.5	BT 12	
194226	26 07	88 26	251	32	8	1424	1497	18.1	15.3	1011.7	852.4	CTD 14	Drop 2
194822	25 59	88 51	251	105	18.5	1429	1489	17.3	16.3	1011.9	853	BT 16	
195155	25 55	89 00	249	76	25	1480	1541	18.0	17.0	1011.4		CP 12	
200122	25 43	89 46	251	106	9.5	1468	1538	17.8	16.4	1011.4	847.7	CP 14	
200759	25 33	90 07	126	68	7.1	1476	1537	17.9	16.1	1011.1	848	CTD 16	Drop 3
200910	25 03	89 36	119	168	14.7	1512	1582	18.2	15.1	1010.5	843.8	BT 12	
203452	24 29	88 39.5	130	176	18	1500	1558	19.6	11.9	1010.1	845.7	BT 16	Drop 4
204345	24 05.6	88 07.9	129	172	18.5	1500	1560	19.2	12.7	1010.3	845.6	26.2	
205052	23 47	87 43	99	167	24.2	1501	1563	19.3	13.0	1010.4	845.6	26.4	BT 12
210312	23 42	86 52	47	172	26	1488	1556	18.6	14.3	1011.4	845.5		CP 12 + Drop
210941	24 01.5	86 31.5	44	175	23.8	1491	1561	19.3	15.1	1011.3	845.6	27.0	CTD 14 (300)
212307	24 01	86 25	38	179	26	1499	1567	19.6	14.0	1010.9	846	26.9	CTD 14 (300)
213359	24 31	86 01	42	177	25.2	1496	1569	19.3	12.5	1011.6	845.9	26.7	CP 16 Drop 6
213921	24 42.5	85 44	39	180	26.8	1497	1570	18.8	11.3	1012.1	845.8	26	BT 12
214420	25 06	85 25	43	185	30	1497	1573	18.4	11.9	1012.7	845.9	26.3	BT 16
215030	25 27	85 03	43	186	28.8	1497	1574	19.0	11.7	1012.8	846	26.4	BT 12
215815	25 50	84 34	55	186	28.7	3306	3486	7.5	3.6	1012.3	674	-	-SK
2223	27 19	83 25	61	198	6.6	2419	2555	11.5	10.7	1014.6	754.5	4	10 MCF
223515	27 33	82 47	39	27	6.5	1033	1086	19.9	17.8	1013.1	904	26.8	
2252	27 51	82 29.6				-6		27.3	21.2		1014		BLK