

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

T ID: 9704084	FM: KPAK	TO: KMCF
T NO: 97-039	BLK IN: 2138Z	ATA: 2129Z
TD: 1530Z	BLK OUT: 1529Z	RTD: 1544Z
TE: 2230Z	BLK TIME: 6.10 6.2	FLT TIME: 5.45 5.8
SPONSOR ORG: NESOIS	PROGRAM: ADED.S	PURPOSE:

OAO PERSONNEL

AC PHILLIPSBORN, R	SYS ENG ROLES, J ✓
CP KENUL, P	DATA SYS PRADAS, C ✓
NAV STRONG, T ✓	RADAR SMITH, J ✓
FE TORREY, R ✓ MOORE, H	BT/ODW MCWHIRTER, D ✓
RADIO ROGERS, M ✓	CLD PHYS
FD C2424K, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
WILKERSON, J ✓	PI	NESOIS
CHANG, P ✓	SCIENTIST	↓
LI, H.	↓	UMASS
DONNELLY, W ✓	↓	↓

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

1720Z BALANCE OPTA #3
1827Z " " #1

HANS GRABER BUOY WORK CANCELLED DUE TO SCREW UP WITH WARNING AREA
AND ALSO DUE TO VERY LOW WINDS

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2

FLT ID: 970408H

TIME OFF: 1544Z

TIME ON: 2129Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1018.6	30.13		30.01

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES		
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXBT		
AXCP		
ODW		
GPS	7	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

ADEOS 1997

Flight #5 H970408

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	1
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2972.CON

Notes:

Downward spikes in radar altimeter are a result of overflying land.

Radar altimeter (RA-159) had a spike at takeoff and was replaced by RA-232 from 1544:10-1544:20. RA-159 was set to zero after landing due to a spike 2128:34-2132:00.

A spike in the dewpoint (DW1) due to balancing was removed and patched from 1826:01-1830:00.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1018.6	1015.1
Corrected tower pressure	1020.3	1016.3

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.

Flight Meteorologist: Stan Czyzyk, (813) 828-3310 ext. 3086.

970408H

TIME	LOT	CON	TK	HD	TA	TD	WD	WS	PA	GA	SP	PS	REMARKS
155431	3747	76 28	169	175	-5.4	-26.6	272	25.8	2986	2991	702.8	1016.2	10K
161708	36 35	74 50	129	132	-3.6	-33.1	294	35.0	2993	3041	701.7	1017.6	BUOY 44014
162347	36 11	74 21	136	141	-2.1	-39.5	293	36.7	2991	3043	701.9	1015.8	DROP 1
162556	36 04	74 12											GULF STREAM
162720	35 59	74 06	136	140	-1.7	-38.0	298	37.0	2992	3044	701.9	1016.0	DROP 2
1634	5 5 30	74 34											NOT OVERPASS
163831	35 24	73 26	137	141	-0.4	-35.9	297	38.3	2984	3044	702.5	1015.0	DROP 3
164348	34 59	72 59	138	141	-0.5	-38.8	302	31.0	2983	3046	702.6	1015.3	DROP 4
1638													GULF ?
164848	34 43	72 40	137	140	-0.1	-39.6	303	27.4	2980	3047	702.8	1015.4	BUOY 41001
170430	34 41	72 38	229	236	0.2	-39.1	303	25.4	2965	3030	704.2	1015.0	BUOY 41001
173004	33 24	74 00	222	229	2.2	-34.6	323	27.0	2960	3038	704.6	1014.2	DROP 5 WIND
173157	33 18	74 06	222	229	2.3	-35.2	322	28.5	2960	3041	704.6	1014.0	DROP 6
175210	32 17	75 10	221	228	5.9	-28.3	303	25.7	2944	3036	706.1	1011.1	BUOY 41002
180630	32 15	75 10	129	131	6.0	-27.5	305	27.4	2942	3035	706.3	1010.9	BUOY 41002
182009	32 16	75 10	40	35	6.2	-28.3	304	24.7	2932	3024	707.2	1010.9	BUOY 41002
182650	-1828												BALANCE DPT
183328	32 16	75 10	310	310	6.0	-28.6	299	20.1	2931	3021	707.3	1011.2	BUOY 41002
184728	32 16	75 10	222	227	5.7	-25.7	299	17.9	2939	3030	706.6	1011.0	BUOY 41002
192047	30 23	76 42	215	220	7.5	-29.7	296	19.6	2930	3042	707.3	1011.6	DROP 7
195225	28 54	78 31	236	239	6.6	-25.7	283	11.8	2913	3036	708.9	1014.6	BUOY 41010
201540	28 30	80 10	255	256	5.4	-14.6	260	16.0	2896	3029	710.4	1016.8	BUOY 41009
202000													↓ 5K
202200													OVER FLORIDA
205052	28 28	82 40	274	276	14.6	-21.5	287	7.8	1497	1582	845.9	1017.5	OVER GULF
2100													CLIMB

2003

PAX		1530Z-1544Z
44014	36.58N 74.83W	1605Z 1617Z 125NM
41001	34.68N 72.64W	1645Z 1649Z 285NM
PATTERN		1700Z 1704 335NM
41002	32.27N 75.19W	1750Z 1752 530NM
PATTERN		1835Z 1848 710NM
41010	28.90N 78.50W	1940Z 1952 970NM
41009	28.50N 80.18W	2005Z 2016 1060NM
47036	28°31.4W 84°30.4W	2105Z 1290NM
PATTERN		2155Z 1470NM
MCF		2225Z 1580NM

W-72A + W-72B 1600Z - 1640Z

CAPE BUOYS 1940Z - 2005Z

W-470B, C, D 2030Z - 2230Z

MISSION LOG

PAGE 1 OF 1

POSITION REPORT

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:

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

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

- HEADING _____ TRUE/MAG _____

- AT KTS TRUE/INDICATED

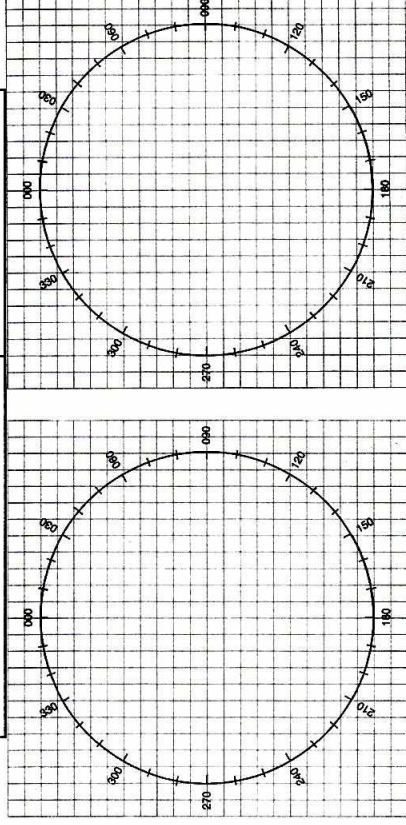
- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT W

- NATURE OF EMERGEN
- ASSISTANCE DESIRED

- ASSISTANCE DESIRED
- BILL OF INTENTIONS

6. NEXT POSITION

[illegible]