

MAP

Wet MAP/IOP #5

Flight #4 991004H

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	2
Dew Point Probe	2
Altitude (for vertical wind)	Pressure Altitude
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2992.CON

Notes:

There were two time gaps 0916:51-0927:40 and 1142:41-1143:00.

Dewpoint (DW1) had several spikes removed and patched from 1123:00-1124:00 (4) and 1153:00-1155:00 (3).
Dewpoint exceeded ambient temperature several times due to heavy precipitation.

Total temperature (TT2) had a spike at landing removed and patched 1206:00-1207:30.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	948.2	946.2
Corrected tower pressure	1017.0	1015.0

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.

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

FLT ID: 991004H	FM: LOW1	TO: LOW1
FLT NO: 00-03	BLK IN: 1212Z	ATA: 1206Z
ETD: 05Z	BLK OUT: 0550Z	RTD: 0559Z
ETE: 12Z	BLK TIME: 6.22 6.4	FLT TIME: 6.07 6.1
SPONSOR ORG: NOAA	PROGRAM: MAP	PURPOSE: IOPS WET MAP

OAO PERSONNEL

AC TAGGART, B ✓	SYS ENG ROLES, J ✓
CP OMARA, T ✓	DATA SYS PRADAS, C ✓
NAV RATHBUN, D ✓	RADAR BARR, J ✓
FE TORREY, R ✓	BT/ODW
RADIO ROGERS, M ✓	CLD PHYS
FD CZYZYK, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
SMULL, B ✓	PI	NSSL
SHEPHERD, T ✓	RADAR	"
BOUSQUET, D ✓	SCIENTIST	"
MASCHER, S	"	AUSTROL
WINTER, D ✓		AOL

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

OAO A DIED 0916 UP 0925Z

DNI OUT

PR, FROZE

14
25
70
28
75

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 DROWF2

FLT ID: 991004H

TIME OFF: 0550Z

TIME ON: 001206Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE		1017	946.2	1015 59.99

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

DDW CASSETTES

HARD COPIES

AXBT

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

9910044

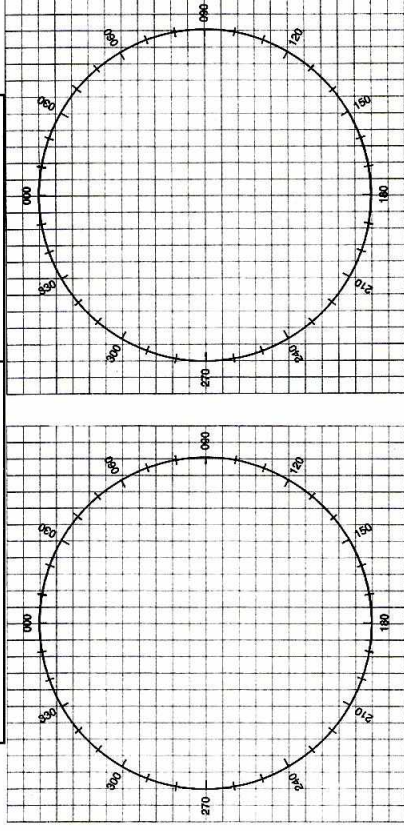
TIME	LOT	CON	TK	HD	TA	TD	LD	WD	PA	GA	PS	SP	REMARKS
0601-												3500 FPA	CLIM BASE
0610													LEVEL 150
0619-	4640	1127											CLIMB
06203-	4630	1126	98	106	-11.0	-14.8	189	34.2	5334	4543	510.9		LEVEL 170
062245													CLIMB
062340	4631	1133	82	91	-18.2	-19.0	191	39.3	5494	3517	505.5	780.7	LEVEL 180
063830	4631	1314											PT1
070400	4458	1316											PT2
070549	4504	1319	341	335	-11.9	-3.0	246	51.9	5492	5413	505.7	1003.1	DOWN #1 BAD
071041	4507	1323	348	340	-12.1	-3.4	245	53.8	5491	5608	505.7	1002.9	DOWN #2
071230	4515	1319											DESCEND
072135	4559	1315											PT3 THROUGH
073457	4559	1441											PT7
074120	4629	1445											PT6
080410	4645	1429	205	207	-4.8	0.9	207	47.2	3669	3187	643.5	948.7	PT 21
082947	4624	1337											PT 20
085210	4644	1436	27	29	-4.7	4.7	196	41.4	3619	2282	643.5	867.1	PT 21
0926	4545	1405											SW PT
092900	4552	1409	31	30	-2.8	2.8	203	32.4	3669	3196	643.6	945.1	
100224	4557	1445											SW PT 7
100807	4614	1502											CIRCLE
102020	4618	1500	267	259	-3.6	-4.3	215	52.0	3668	2939	643.7	924.7	THRU W
104300	4620	13											END PT W
104535	4618	15	92	100	-7.6	-6.4	198	38.7	3614	2931	643.8	922.0	
110335	4618	1458											END PT C
113030	4618	1301	264	264	-7.0	-9.1	199	27.7	3664	2418	643.7	862.1	END PT
113211	4618	1257											CLIMB
114345	4628	1143	279	274	-13.3	-46.3	246	37.1	4892	2895	548.0	792.1	

CLEARANCES

[illegible]

MISSION LOG

PAGE OF



POSITION REPORT

1. POSITION
 2. TIME
 3. ALTITUDE
 4. NEXT POSITION
 5. ETA
 6. NEXT POSITION

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 _____, 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 EMERGENCY
- ASSISTANCE DESIRED

- ASSISTANCE DESIRED
- PILOT INTENTIONS

- FLEET INTENTIONS
- WE HAVE

[illegible]

N42RF AVAPS DropSonde Log

N42RF Project: MADS #4 Flight ID: 991004H
 Mission: _____ Flight #: 4 System Status: OK

Drop #	Sonde Serial Number	Time (Z)	Chn #	Press. offset	Winds time	Operator Init.	Comments Drop Status	BAD ☒	GOOD ☒
1	992 455 504	0705	2	φ	—	JOB	NO LD	✓	
2	992 455 261	0716	4	φ	28	JOB			✓
3									
4									
5									
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