

MAP

Gap Flow #2/IOP #7

Flight #7 991020H

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

Notes:

Wind data may be highly degraded when the pitch is ± 10 degrees and/or when then roll is ± 30 degrees. Wind speed has an estimated error of ± 2.5 m/s in turns and wind direction can exceed 10 degrees in turns.

RA-159 had a spike at takeoff and landing and was replaced by RA-232 (1026:01-1032:49 and 1325:44-1329:00).

Dewpoint (DW2) had a spike removed and patched due to balancing from 1157:00-1200:00.

Total temperature (TT2) had a spike at landing removed and patched 1326:00-1327:00.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	944.4	942.1
Corrected tower pressure	1012.0	1011.0

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

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

FLT ID: 991020H	FM: LOW1	TO: LOW1
FLT NO: 99-007	BLK IN: 1331Z	ATA: 1326Z
ETD: 1030Z	DLK OUT: 1024Z	RTD: 1030Z
ETE: 1430Z	BLK TIME: 3.07 3.1	FLT TIME: 2.54 2.9
SPONSOR ORG: NOAA	PROGRAM: MAP	PURPOSE: GAP FLOW #2

OAO PERSONNEL

AC MCKIM, G ✓	SYS ENG LYNCK, T ✓
CP TENNESEN, D ✓	DATA SYS HORN BROOK, C
NAV RATHBUN, D ✓	RADAR MCNAMARA, R ✓
FE MODRE, H	BT/ODW CARPENTER, D ✓
RADIO	CLD PHYS
FD C2424K, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
ARME, L ✓	PI	
NANCE, L / SHEPHERD, T	SCIENTIST	
KOTHAVALA, Z	"	
SKUBIS, S	"	
JACKSON, P	"	
TRIMMEL, H	"	
SCHWIBERT, C	"	
VOLL, M / GRABEL, K	"	

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)
 PYRM HOSED FROM BEGINNING

TD#2 NOT GOOD 1030 -
 BALANCE TD#2 1040Z
 TD#1 1157Z

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OROWF2					
FLT ID: 99102041		TIME OFF: 1030Z		TIME ON: 1326Z	
	A/C T/O	WX STN	A/C LAND	WX STN	
PRESSURE	944.4	1012	942.1	1011	
NO DATA DISPOSITION/DATE/QUALITY					
1/SEC FLT LVL TAPES	2				
FAST FLT LVL TAPES					
RADAR TAPES					
DOPPLER TAPES					
ODW CASSETTES					
HARD COPIES	1				
AXDT					
AXCP					
ODW					
PHOTOGRAPHY					
	FWD	LS	RS	VERT	
ON					
OFF					
RATE					
REMARKS					

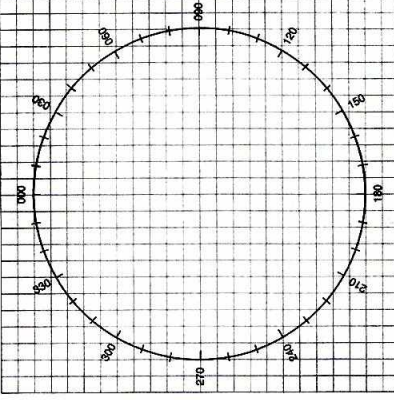
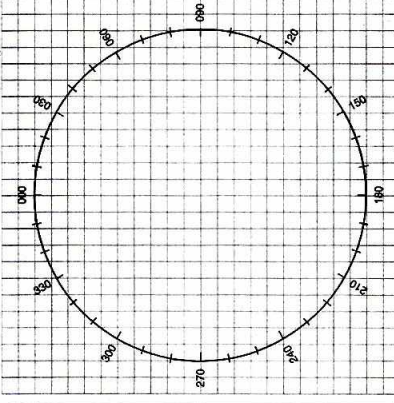
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CLEARANCES

[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**

- 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 _____

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS

- WE HAVE _____ ENDURANCE REMAINING

[illegible]

N42RF AVAPS DropSonde Log

N42RF Project: MAP 99 Flight ID: 991024H

Mission: West map Flight #: 11 System Status: OK

Drop #	Sonde Serial Number	Time (Z)	Chn #	Press. offset	Winds time	Operator Init.	Comments Drop Status	BAD ☒	GOOD ☒
1	992 455 304	1214	1	0	18	DWC	OK		✓
2	992 455 382		2	0					
3									
4									
5									
6									
7									
8									
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