

MAP 991112H

MAP Gap Flow

991112H NOAA-42

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
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:

Inertial Navigation System #2 was corrected using good GPS fixes during the flight.

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 was patched with valid APN-232 values before take-off, after landing, and during numerous brief spikes during the flight.

Total Temperature Probe #2 drifted warm during this flight.

JW Liquid Water Counter failed throughout the flight.

The data from this flight begins at take off, rather than the beginning of aircraft taxi as in most previous flights. Also, this MAP flight was ended prematurely due to a medical casualty on board.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	959.0	958.2
Corrected tower pressure	1027.0	

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

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

FLT ID: 9911121d	FM: LOWI	TO: LOWI
FLT NO:	BLK IN: 1448	ATA: 1443
ETD:	BLK OUT: 1209	RTD: 1218
EYE:	BLK TIME: 2:39 (2.6)	FLT TIME: 2:25
SPONSOR ORG: MAP	PROGRAM: GAP Flow	PURPOSE:

OAO PERSONNEL

AC Jensen ✓ 25 ch	SYS ENG Lynch ✓
CP Ruml ✓	DATA SYS Mc Namara ✓
NAV Newman ✓	RADAR
FE Moore	DT/ODW Hornbrook ✓
RADIO	CLD PHYS Carpenter ✓
FD Parrish ✓	DOPPLER McFadden ✓

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
James Shipwood ✓ 25 ch		
Schellander, H.		
Sivaram, A.		
Boysas, I.		
Beier, T.		
Pringle, H.		
Steinacker, A.		Calver, S.

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

30.33

7.0/0.3

959

1431Z - Harold Schellander having trouble breathing. Land immediately.
- Completed Inns Valley parallel work, all levels in Brenner Valley.

9/11/24 MAP Gap Flow

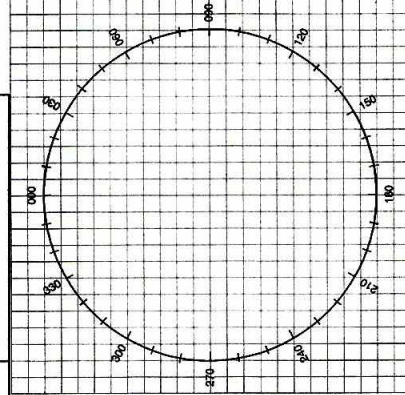
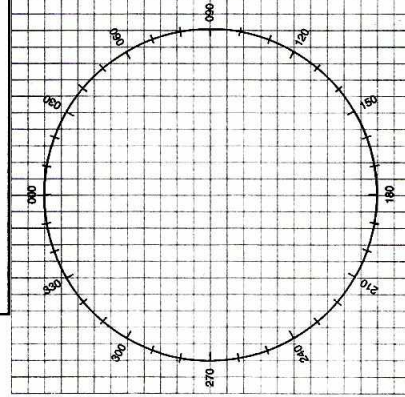
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CLEARANCES

[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 _____

- HEADING _____ TRUE/NAG
- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD _____

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

[illegible]

1 2 3 4 5 6 7 8 9 —————> 2
C D E F

Electra Track for 12 November

