

C-Scat Test Flight

Flight #1 H980917

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	2
Dew Point Probe	2
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2989.CON

Notes:

The radar altimeter (RA159) had a spike at takeoff and was set to zero from 1759:05-1759:16. The radar altimeter had two spikes removed and patched 2006:45-2007:00 and 2010:10-2010:30. A spike also occurred at landing and RA159 was replaced set to zero from 2017:24-2021:00.

Dewpoint (DW2) exceeded ambient temperature (AT2) at times due to heavy precipitation.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1012.5	1010.1
Corrected tower pressure	1013.2	1011.5

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: 980717H	FM: KMCF	TO: KMCF
FLT NO: 98-075	BLK IN: 2027Z	ATA: 2018Z
ETD: 1700Z	BLK OUT: 1730Z	RTD: 1759Z
ETE: 2100Z	BLK TIME: 2:57 3.0	FLT TIME: 2:19 2.3
SPONSOR ORG: NOAA/HRO	PROGRAM:	PURPOSE: USAT TEST...

OAO PERSONNEL

AC PHILIPSB, AN R	SYS ENG MCCANN DELGADO, J ✓
CP KENDR, P / TAGGART, B	DATA SYS
NAV RATHBUN, L	RADAR BARR, J ✓
FE BAST, G	DT/ODW CARPENTER, D ✓
RADIO REDACTED	CLD PHYS
FD CZ424K, S ✓	DOPPLER MCCANN MCCANN, B ✓

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
DODGE, P ✓	PI	HRO
GOLDENBERG, S ✓	SCIENTIST	"
FINDENSEN, K ✓	"	"
UHLHORN, E ✓	"	"
TABROX, S ✓	USCAR / USAT	QUADRANT
POPSTEFAMIJA ✓	"	"

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

NASA DC-8 817
 GALI MCFADEN 833-1734
 ABORTED TAKEOFF DOOR POPPED OPEN IN COCKPIT

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

FLT ID: 980917H

TIME OFF: 1759Z

TIME ON: 2018Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1012.5	29.93 (1013.2)	1010.1	29.87

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	2	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	4	
AXDT		
AXCP		
ODW		
GPS		

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

[illegible]

2705
28345

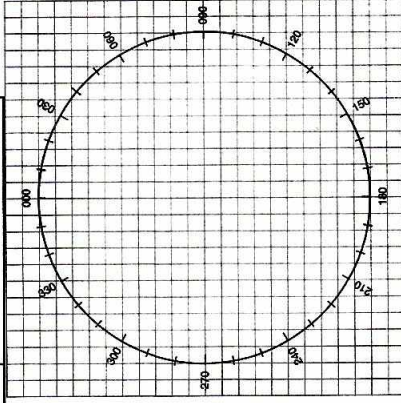
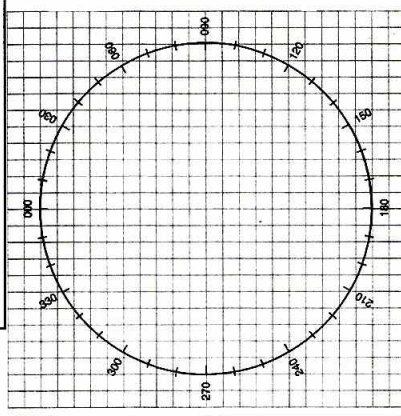
2828
82130

MISSION LOG

PAGE OF

POSIT

CLEARANCES

[illegible]

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 _____ SOULS ON BOARD
- NATURE OF EMERGENCY

- ASSISTANCE DESIRED
FILE OF INTENTIONS

- PILOT INTENTIONS _____
- WE HAVE _____ ENDURANCE REMAINING _____

[illegible]

