

FLT ID: 950720FI	FM: KBNA	TO: KBNA
FLT NO: 95-032	BLK IN: 2100Z	ATA: 2056Z
ETD: 1500Z	BLK OUT: 1451Z	ATD: 1458Z
ETE: 6+20	BLK TIME: 6+09 (6.2)	FLT TIME: 5+58 (6.0)
SPONSOR ORG: NOAA	PROGRAM: OZONE '95	PURPOSE: FLT #19 (LAST MISSION) SOS'95

DAO PERSONNEL

AC PHILIPSBORN ✓	SYS ENG BARR ✓
CP O'MARA ✓	DATA SYS
NAV RATHBUN ✓	RADAR
FE WADE ✓	BT/ODW
RADIO ARNASON ✓	CLD PHYS
FD BOGERT ✓	DOPPLER McFadden ✓

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Hibler	P.I.	CU/CIRS/NOAA
Shelton		
Williams		
Goldan		
Lee		
JOBSON		
Holloway		
Butler	16 S.O.B.	

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

QNN - 3000/1015 mbs

PS - 993.6 mbs

SP - 993.6 mbs

QNN - 2905/1014 mbs

PS - 992.8 mbs

SP - 992.5

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO. 2 OROWF2 FILE

FLT ID: 950720II TIME OFF: 1458 Z TIME ON: 2056 Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE				

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES	0	
RADAR TAPES	1	
DOPPLER TAPES	0	
ODW CASSETTES	0	
HARD COPIES	0	
PMS DAT	1	
AXBT	0	
AXCP	0	
ODW	0	

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON	✓	✓	✓	✓	
OFF	✓	✓	✓	✓	
RATE					

REMARKS

950720Z

Time	LAT	LONG	TRK	Wd	Ws	Ta	Td	PA	GA	SP	PS	PQ
1508Z	@	12K	MSL	FOR	CAL'S..							
1520Z	36	16	84	58	084	285	23.1	7.2	-9.5	3611	3316	- 648 64.0 (12K)
153820Z	@	15K	MSL									
1604Z	@	11.5K	AGL	CNR	PT 'C'							
1620Z	@	5K	MSL	END	1635Z							
163720Z	@	8K	MSL	CNR	PT 'C'							
165130Z	@	10K	MSL									
1711Z	@	16K	MSL									
1720Z	@	10K	MSL									
1740Z	35	35	82	54	040	237	24.2	12.8	9.3	2378	1484	844 758 57.6 (8K)
1758Z	@	17K	MSL	CNR	PT 'F'							
1804Z	@	12K	MSL									
1837Z	@	8K	MSL									
1902Z	35	17	82	05	053	234	25.7	18.1	18.1	1492	1348	984 857 65.3
190430Z	@	1.5	AGL									
2002Z	@	16K	MSL									

OZONE-95

FLIGHT #19 950719H OROGRAPHIC FLIGHT.

TYPE OF DATA	SENSOR OR OPTION
INE	2
Accelerometer	2
Temperature probe	1
Altitude change option (for vertical winds)	PA
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO2951.CON

Notes:

There were no data/time gaps:

INE#2 was utilized on this flight and was renavigated using 13 GPS positions for renav.

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.

	Take off	Landing
Aircraft static pressure	993.6mb	992.8mb
Corrected tower pressure	1015.0mb	1014.0mb

Flight Meteorologist: Philip D. Bogert, (813) 828-3310 X3072

INE # 2

— RENAV —

950720 N

①	151400 Z	3612.4	+0.7
		8526.2	+0.9

②	153900 Z	3622.6	+1.0
		8313.0	+1.1

③	155700 Z	3621.7	+1.0
		8252.1	-0.6

④	162400 Z	3606.0	+0.8
		8312.0	-0.1

⑤	165100 Z	3558.8	+1.3
		8322.8	+2.2

⑥	172200 Z	3545.7	+0.9
		8235.9	-0.4

⑦	174100 Z	3537.8	+0.4
		8249.9	-0.7

⑧	182700 Z	3502.0	+1.5
		8228.0	+1.9

⑨	184200 Z	3558.7	+0.7
		8234.5	+0.2

⑩	192200 Z	3451.5	+0.3
		8301.1	+1.3

⑪ 1959002

3457.8
8444.3

-0.1
+1.4

⑫ 2027002

3548.1
8702.2

-1.0
+0.2

⑬ 2055302

3606.8
8638.6

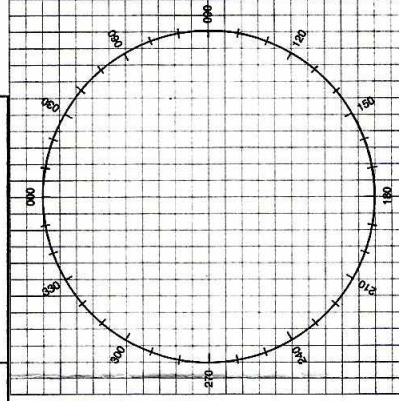
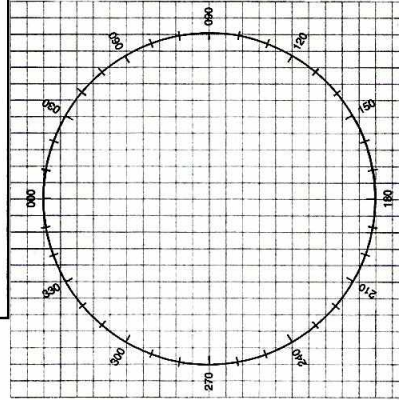
-0.1
+2.5

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

- FLIGHT LEVEL OR ALTITUDE
- WE ARE A P-3 AIRCRAFT WITH

- NATURE OF EMERGENCY

- ASSISTANCE DESIRED
- BILLOT INTENTIONS

- PILOT INTENTIONS
- WE HAVE

[illegible]

	DIST	TIME	ETA	RE
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[illegible]