

FLT ID: 9506264	FM: KBNA	TO: KBNA
FLT NO: 95-019	BLK IN: 2204Z	ATA: 2156Z
ETD: 1600Z	BLK OUT: 1559Z	RTD: 1607Z
ETE: 6+00	BLK TIME: 6+05 (6.1)	FLT TIME: 5+49 (5.8)
SPONSOR ORG: NOAA	PROGRAM: OZONE '95	PURPOSE: FL#7

DAO PERSONNEL

AC: PHILIPSBORN ✓	SYS ENG: ROLES
CP: KENNY - O'MARA ✓	DATA SYS: BARR ✓
NAV: KOZAK ✓	RADAR:
FE: TORREY ✓	BT/ODW:
RADIO: ARNASON ✓	CLD PHYS:
FD: ROBERT ✓	DOPPLER:

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
31. Hübner	P.I.	cal/cres/NOAA
TRAINER	"	"
HOLLOWAY	"	"
JOBSON - LEE	"	"
ROBERTS - KUSTER	"	"
GOLDAN - RYORSON	"	"
SHERIDAN	"	"
47. ———	19 S.O.B.	—————

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

QNH - 2989/1011.9	2987/1011.7
PS - 990.0 mbs	988 mb.
SP - 991.7	988

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

FLT ID: 950626H TIME OFF: 1607Z TIME ON: 2156Z

	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	Ø			
RADAR TAPES DAT	1			
DOPPLER TAPES DAT	Ø			
ODW CASSETTES	Ø			
HARD COPIES	Ø			
AMS DAT	1			
AXBT	Ø			
AXCP	Ø			
ODW	Ø			

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON	✓	✓	✓	✓	
OFF					
RATE					

REMARKS

123.45
CASA 287MA

950626L-I

Time	LAT		LONG		TRK	Wh	Ws	TA	Td	PA	GA	SP	PS	PQ
161430Z	@ 10K MSL				END	162930Z								
1627	35	19	87	43	230	232	25.1	5.9	-14.3	3067	2896	982	695	73.5 (10K)
175240Z	@ 1.5K AGL													
1835Z	35	57	86	53	313	214	23	12.1	8.7	1888	1768	990	801	56.2 (6.5K)
194045Z	@ 1K AGL													
2004	36	58	87	13	098	210	16.2	22.2	15.6	574	384	988	946	65.1 (1K)
205830Z	@ 17K MSL													
2103	35	35	85	59	268	226	35	-5.7	-33.5	5230	5120	968	524	78.9 (17K)

CNR

KBR/A

OZONE-95

FLIGHT #07 950626H KBNA Plume

TYPE OF DATA

SENSOR OR OPTION

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

Notes:

There was one time/data gap on this flight: 212059Z - 212110Z.

The aircraft INE#1 positions were renavigated utilizing 09 GPS positions.

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
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Aircraft static pressure	990.0mb	988.0mb
Corrected tower pressure	1011.9mb	1011.7mb

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

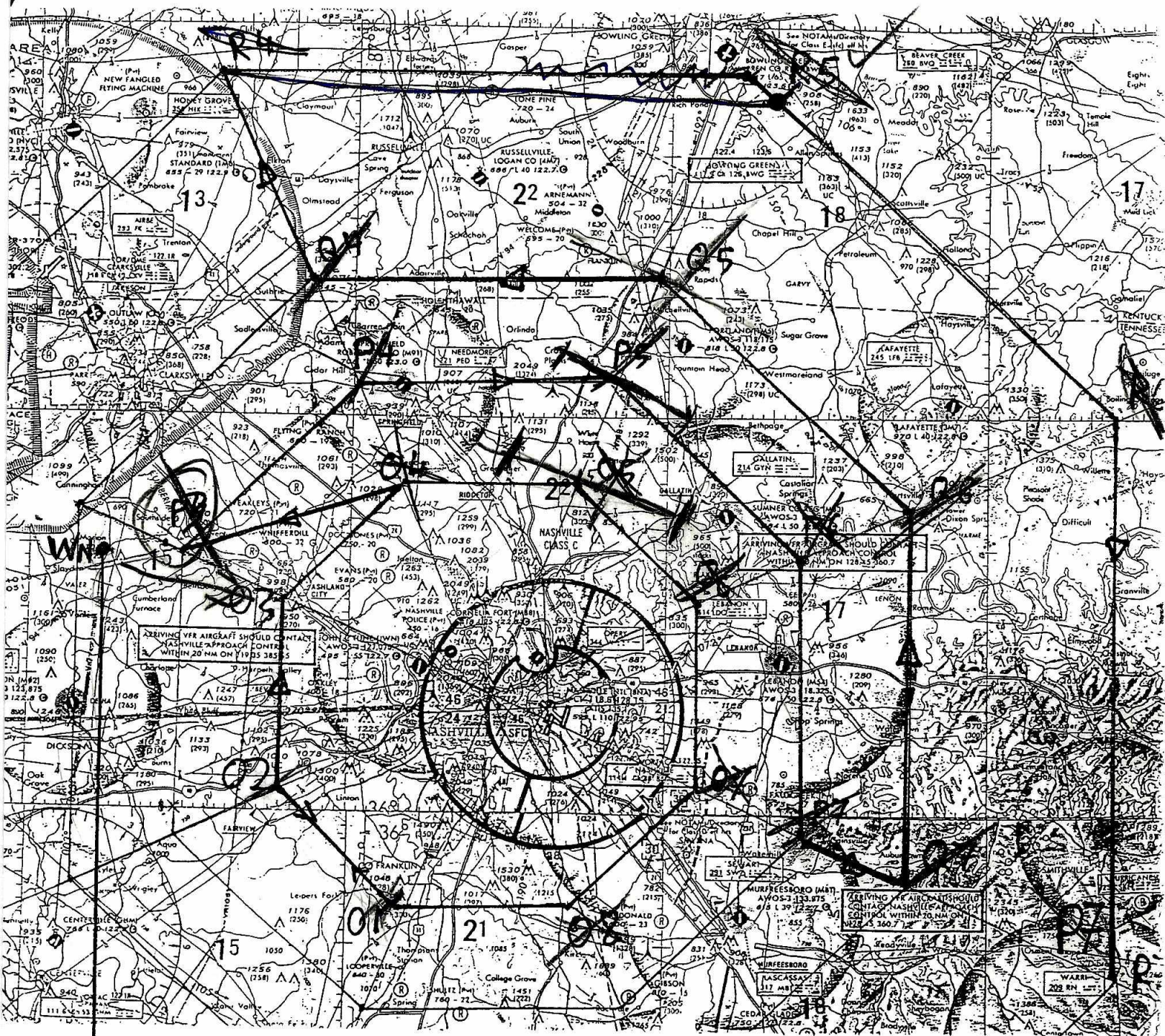
INE#1 — GPS RENAV —

(9)

	<u>GPS POSIT</u>	<u>CORR'S</u>
1.) 165630	36 15.1 -87 23.4	-0.2 +0.3
2.) 172900	35 59.9 -87 19.4	+0.2 -0.2
3.) 180930	36 06.5 -86 27.2	+0.3 +0.2
4.) 185000	36 29.5 -86 32.0	+0.9 +0.1
5.) 193030	36 15.5 -86 15.9	+1.2 +0.2
6.) 201630	37 00.1 -87 06.9	+2.7 +0.4
7.) 210000	35 35.7 -85 47.8	+3.6 +0.3
8.) 213830	35 37.9 -85 58.4	+4.7 +1.2
9.) 215630	36 07.6 -86 41.0	+4.2 -1.2

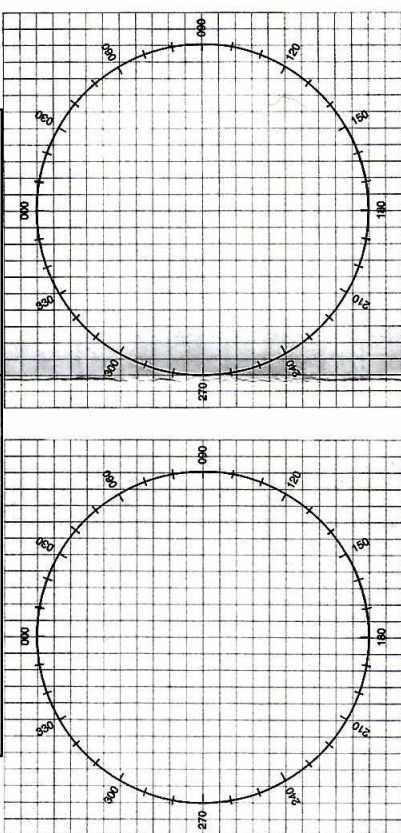
Investigator Crew for Flight #8 (June 26, 1995)

Aerosols	Pat Sheridan	
NO/NO _x /NO _y /NO _y *	Marty Buhr Tom Ryerson	
HC/GC	Paul Goldan Bill Kuster	NOAA staff NOAA staff
Radon		
PAN	Jim Roberts	NOAA staff
Carbonyls	Yin-Nan Lee	
SO ₂ , CO, O ₃	John Holloway David Parrish	
H ₂ O ₂	Tom Jobson	
Ops	Gerd Hübler Michael Trainer	
Total	10 seats	



✓ CLIMB
ALT 20487

CAL
10K

[illegible]

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

PAGE **OF**

MISSION LOG

CLEARANCES

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 _____ SOULS ON BOARD
- NATURE OF EMERGENCY _____

- ASSISTANCE DESIREE
- PILOT INTENTIONS

[illegible]