

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

AOCWE1

Flt ID: H#010909	From: KMCF	To: KMCF
Flt No.: 01-37	Blk In: 2102Z	ATA: 1552Z
ETD: 1600Z	Blk Out: 1544Z	ATD: 2054Z
ETE:	Blk Time: 5:18 (5.3)	Flt Time: 5:02 (5.0)
Sponsor Org: NASA	Program: KAMP	Purpose: MIPS OVERPASS

AOC Personnel

AC: TENNESEN ✓	Sys Eng: DELGADO
CP: TAGGART ✓	Data Sys: McMILLAN ✓
Nav: NEWMAN ✓	Radar:
FE: BAST ✓	GPS/BT: CARPENTER ✓
Avionics: ROGERS ✓	Cld Phys:
FD: DAMIANO ✓	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
BIGGERSTAFF ✓	PI	TX A+M
BLACK ✓	CLD PHY	NRD
DODGE ✓	RADAR	HRD
ZHANG, A ✓	SFMR	UMASS
HUDSON ✓	CCN	DRE

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #)

Spiral 600 ft/min descent Bal DPT MIPS 24°41'
 81°34'
 81K 2515 8124 Balloon interwent hot
 just as we out there
 no first drop
 LF stopped 165308 185758 King Lwc out at
 1927252
 1945 JW back 2031 bal DW2

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

AOCWF2

Flt ID: H010909 Time Off: 1552Z Time On: 2054Z

A/C (Take Off)

Wx Stn (Take Off)

A/C (Land)

Wx Stn (Land)

Pressure

1015.029.99 / 1015.01012.81013.0 (29.93)

Number

Data Disposition/Date/Quality

Slow/Fast Flt Lvl Tapes

2

Radar Tapes

1

Cloud Physics Tapes

2

Video Tapes

4

AXBT

AXCP

AXCTD

Dropsondes

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

1601Z Bal DW1J-W not operating from T/O
ER2 T/O 1558Z
DC8 T/O 1602Z

KAMPS

Flight #3 010909H

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	3 (Buck Research)
Altitude (for vertical wind)	RA159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2012.CON

Notes:

There were no time/data gaps.

A spike was removed from fuselage static pressure, PSF during the period 1615Z - 1618Z and patched over.

The J-W Liquid water probe was inoperative from takeoff until 194545Z.

The King Liquid water probe stopped working at 192725Z and remained that way until landing.

All other instruments worked optimally during the flight.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1015.0 mb	1012.8 mb
Corrected tower pressure	1015.0 mb	1013.0 mb

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 Director: A. Barry Damiano, (813) 828-3310 ext. 3073

Flight ID:

H010909

Page 1 of 1

U.S. Dept. of Commerce/NOAA Aircraft Operations Center

Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _s	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
155800	2732	8231	188	190	247	8	13.2	11.1	2097	2223	1015.4	785.6	73.8	CLD, RW
161400	2633	8212	163	166	216	11	12.6	11.3	2118	2256	1017.5	783.6	73.6	IN/out CLD
162500	25 Km from TRW+													
1632	25 Km from TRW+								165 153 345					
165600	2441	8120	270	270	192	5	-0.7	-1.8	4554	4823	1013.8	573.2	71.3	start leg over MIPS
165800	2441	8134	270	270	215	6	-1.0	-2.2	4551	4881	1013.8	573.4	68.7	over MIPS
1715	start line run					8K		345						
1726	end													
1730	start line run					8K		(145)						00/230
1739	end line													80/260
1740	start line					8K								
1746	end line													
1752	TRW+					(1748)	start line							
1758	end line													
180930	2441	8124	268	268	162	3	-0.8	-0.8	4556	4818	1013.9	573.0	75.5	start & MIPS
181138	2441	8134	268	268	167	2	-0.7	-1.8	4554	4811	1013.3	573.0	75.2	over MIPS
181348	2441	8144	294	294	215	4	-0.3	-3.2	4552	4828	1014.6	573.1	82.1	end leg
183110	start E/W on of conv line									25° 18'		82° 37'		
183520	2520	8219			269	19	11.2	11.1						
184300	abandon TRW+													
184500	end leg					NE								
184700	start leg SW					287	17							
185100	2524	8157	232	234	253	6	11.7	10.4	2422	2574	1016.2	754.1	70.5	RW+
190000	end leg													
192000	start spiral at 17K PA													descent
194200	end spiral at 7K													
194400	2532	8140	129	131	283	12	13.0	10.6	2131	2253	1015.8	782.2	78.2	RW-
200330	2441	8123	274	274	242	7	-0.9	-1.0	4563	4812	1011.7	572.5	95.7	start leg over MIPS
20530	2441	8134	266	266	231	10	-0.7	-2.6	4565	4813	1011.6	572.3	86.1	over MIPS
215	2441	8144												end leg

WAB 817

2535
81062520
82382520
8210 8140

POSITION REPORT

The figure consists of two circular diagrams, each representing a distribution of 1000 observations across 360 degrees. The left diagram shows a uniform distribution where each of the 360 degrees contains 28 observations. The right diagram shows a non-uniform distribution where the number of observations per degree varies, with a range from 10 to 30 observations per degree.

[illegible]