

1:51 (169)

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

AOCWP1

Flt ID: 14030618	From: KBLV	To: KBLV
Flt No: 03-17	Blk In: 1952Z / 2235	ATA: 1946Z / 2231Z
ETD: 1900Z	Blk Out: 1838Z / 2033Z	ATD: 1845Z / 2040Z
ETE:	Blk Time: 1:14 (1.2) / 2:02 (2.0)	Flt Time: 1:01 (1.0)
Sponsor Org: USSL/NOAA	Program: BAMEX	Purpose: INTER COMPARISON WITH NRLP3

AOC Personnel

AC: TENNESEN	Sys Eng:
CP: SILAH / TEBEST	Data Sys: PEEK
Nav: BRAKOB	Radar:
FE: CURRY / TORREY	GPS/BT: McMILLAN
FD: DAMIANO / MAYEAUX	Cld Phys:
Avionics: SANS. SOURCE	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
SMULL	PI	USSL
WAKIMOTO	ASST. PI	UCLA
DAVIS	OBS	NCAR
ZHANG, H.	OBS	UILL
CELLETTE, M.	OBS	UILL
McFARQUAR, G.	PMS	UILL
BOOKBINDER, E.	OBS	PMS

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

RA232 not on at T/O VANDALIA VORTAC IS RENDEZVOUS POINT
 First num at 10.5K 1952Z
 NRLP3 Science TWEX not working
 After 20 minutes After in formation decided to go back to KBLV + maybe try it later some day
 For second T/O only 14 SOB
 Bible Grove is second rendezvous pt.

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AOCWF2

Flt ID: 14030618 Time Off: 1845Z/2040Z Time On: 1946Z/2231Z

A/C (Take Off) Wx Station (Take Off) A/C (Land) Wx Station (Land)

Pressure 996.6 29.91/29.89 995.8/994.3 29.90/29.85

Number Data Disposition / Date / Quality

Flt Lvl Tapes

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

SWAPPER Precip probe prior to second T/O

2045Z in cld

214354Z RA159 OFF
went RA232Cannot baseline JW2 seconds ahead of NRLP3RA159 interferes with NRLP3 Iridium



**NOAA P-3 N42RF
BAMEX
CALIBRATION FLIGHT PART 2**



Flight ID: H030618

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1 (General Eastern)
Altitude (for vertical wind)	Pressure Altitude
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2032.CON

Notes:

There were no time/data gaps during this flight.

Radar Altimeter 159 was turned off 214354Z due to interference with NRL P-3 Iridium.

Johnson-Williams Liquid Water Sensor could not be baselined to zero.

Otherwise, all instruments worked optimally during the flight.

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.

	Takeoff	Landing
Aircraft Static Pressure	N/A	994.3mb
Corrected Tower Pressure	995.5mb	994.1mb
Flight Director:	Martin Mayeaux (813) 828-3310 ext. 3086	

U.S. Dept. of Commerce/NOAA/National Oceanic and Atmospheric Administration

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _s	Press. Alt.	Geo. Alt.	Slc Press.	Press. Slc	Dyn. Press	Remarks
185000	3836	8950	49	57	262	4	21.3	12.9	841	716	994.4	916.5	79.1	OVC H2
190400	3905	8903	90	91	309	4	4.8	-6.6	3203	3175	994.7	683.9	74.2	W/TH W NRLP3
191500	3857	8809	79	78	6	6	5.3	-12.8	3219	3175	992.3	682.5	76.2	NRLP3
														
204800	3841	8921	71	71	113	3	4.9	-7.1	3196	3169	994.5	683.0	84.2	BTN SET CLD
2102	start leg - 5 min behind													
2107	end leg at 10K not close 1/2 NM away													
					015									
2109	start													
2113	closer 195													
2115	end leg													
211800	start 285 at 10K													
212145	closer													
212227	end leg													
212433	start 100 at 10K													
212933	end leg close													
214120	start leg 015 at 15K													
214620	end leg at 15K													
214803	start leg 190 at 15K													
215303	end leg													
215745	start leg 285 at 15K													
220200	end leg													
220300	start leg 105 at 15K													
220915	end leg at 15K													
222500	3832	8933	250	253	297	6	22.3	11.3	804	684	995.0	720.2	40.0	H2

