

FLT ID: <u>I950305</u>	FM: <u>OKC</u>	TO: <u>OKC</u>
FLT NO: <u>95-022</u>	BLK IN: <u>2010</u>	ATA: <u>2005Z</u>
ETD: <u>1700Z</u>	BLK OUT: <u>1658Z</u>	ATD: <u>1705Z</u>
ETE: <u>11</u>	BLK TIME: <u>3:12</u>	FLT TIME: <u>3:00</u>
SPONSOR ORG: <u>NSSL</u>	PROGRAM: <u>VORTEX95</u>	PURPOSE: <u>CHECKOUT FLT</u>

DAO PERSONNEL

AC <u>KENNEDY</u>	SYS ENG <u>LYNCH</u>
CP <u>TENNENSEN</u>	DATA SYS <u>PRADAS-BERGENES</u>
NAV <u>STRONG</u>	RADAR
FE <u>BAST</u>	BT/ODW <u>PARRISH</u>
RADIO <u>SANS-SOUL</u>	CLD PHYS
FD <u>DAMIANO</u>	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
<u>WATSON</u>	<u>PI</u>	<u>NSSL</u>
<u>SHEPHERD</u>	<u>RADAR</u>	<u>{</u>
<u>ZIEGLER</u>	<u>ASST PI</u>	<u>}</u>
<u>FEDOR</u>	<u>ASST PI</u>	<u>NLAR</u>
<u>MEITIN</u>		<u>NSSL</u>
<u>DAUGHERTY</u>		<u>NSSL</u>
<u>AMIS</u>	<u>Guest</u>	<u>OKC OFF.</u>
<u>PENDICK</u>	<u>Guest</u>	<u>Media</u>

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

3°C diff between TT1 and TT3 at 350 MB ~ 27000 feet
RS < TA by 2.5° at 500 ft warmer

SLOW TAPE WAS REWOUND Because of power failure at block in. As a result the ~~program~~ SLOW TAPE was written over when power was restored.

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

FLT ID: I950405 TIME OFF: 1705Z TIME ON: 2005Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<u>968.8</u>		<u>965.9</u>	

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

RXBT

RXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

I950405

TIME	LAT	LONG	TRK	HD	WD	WS	PA	GA	TA	TD	SP	PS	CLR	PA
170900	3511	9733	169	169	142	12	752	381	12.5	5.0	—	928	CLR	76.8
171550	Start sounding at 250 ft AGL										173640	holding for traffic to clear		
175140	end ascent										173830	resume climb		
175230	start down										181845	in cloud		
182340	end descent										—	953.0	70 VICE	69.6
182500	3504	9732	310	308	156	15	510	177	15.3	7.7	—	953.0	70 VICE	69.6
185233	end leg to VICE													
185521	start back to Parcell													
190100	3554	9851	127	132	205	14	718	185	15.3	6.9	—	930.0	leg CLR	65.9
192300	3507	9746	137	130	170	13	568	211	15.3	8.6	—	946.9	leg CLR	65.0
192705	end of leg													
192925	below old leg													
193530														
194000	in old leg													
194300														
194445	above old leg ~ 5000 feet													
194745														
195000	3510	9718	327	326	164	14	1531	1205	7.6	5.4	—	842.1	CLD	55.0
195330	good clld													

NOAA • AOC • SED Flight Performance Log

22 March 95

Aircraft : N43RF

Project: VORTEX • ARM '95

Mission : Test / CalSED Crew: Lynch, JCPBFlight ID : 950405 IPre-Flight: 15:00Take-Off: 17:04Landing: 20:05

System			Pre-Flight	In-Flight	Post-Flight		
N A V	INE #1	Aligned to :	✓ TL		-3.7	-4.9	2
	INE #2	Aligned to :	✓ TL		+2.0	+2.0	2
	GPS		✓ TL		Lat	Long	GS
R A D A R	Nose		✓ TL				
	L/F	R/T SN : 102	✓ JC		Mod Switch Off ? ✓		
	Tail	R&T SN : 201/201	✓ JC		Mod Switch Off ? ✓		
	ASAU's & RCU		✓ JC				
	MARS Data System		✓ JC		# DATs : 2		
P M S	2DG-C	Ch 1/64: /	NH				
	2DG-P	Ch 1/64: /	NH				
	FSSP	Ref VDC:	NH				
	SEA Data System		NH		# DATs : 0		
T E M P		Cal High	Cal Low		Cal High	Cal Low	
	Temp #1	30.6	-30.4	18.8 ✓ TL		30.5	-30.5
	Temp #2	30.5	-30.6	18.6 ✓ TL		30.4	-30.7
	Temp #3	(Starboard)		✓			
	Dewpoint #1		✓				
P R E S S	Attack Angle (AP/DAP)		✓				
	Slip Angle (BP/DBP)		✓				
	Differential (PQ1/PQ2/PQ3)		✓				
	Absolute (PS1/PS2)		✓				
	Radome Transducers		Plugs Out ? ✓				
F L T L V L	Apn-159	SN: SW-2	✓				
	Apn-232	SN: 1699	✓				
	King Liquid Water		✓				
	J&W Liquid Water		✓				
	Down PRT-5 (SST)		✓				
	Side PRT-5 (CO ²)		✓				
	Up PRT-5		Open ? ✓ TL		Closed ? ✓		
RAMS Data System		✓ (B)		# DATs : 2			
U S E R	Exterior Walk Around		✓ JCPB				
	Video	(N) (O) (R) D	✓ JCPB				
	FCU	-C-DA	✓ TL (A)				
U S E R	Charge Probe				Accelerometers		
	Gerber Liquid Water		15.8 ✓ TL		#1 (2 G):	8148	
	Field Mills	(O) (R) U (D)	✓		#2 (2.5 G):	668A	
	ETL Dual-Channel uWave Radiometer		✓		#3 (3 G):	5967	
	Epplly Radiometers (PSP / PIR)		✓		#4 (3.5 G):	2892	
	2 Meter Repeater / Duplexer		✓				
Cappiccuno Machine		✓					

Please Note any Discrepancies

[illegible]

FCI# 95-022

INS PERFORMANCE	
INS 1	INS 2
BEGIN ALIGN TIME	1457
ALIGN STATUS (0-5)	5
END NAV TIME	2010
START NAV TIME	1645
DELTA T	3425

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	-3.7	-4.9
DELTA LON	+2.0	+2.0
RGS	2	2
RADIAL ERROR	4	5

REMARKS	
PALLET	34-58/9725
VIC 1	36-04N/99-08
HUSBARD	38-18N/9718P
MODELS	35-41N/9552
AMOUNT	3636N/9729

