

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

AOCWF-1

Flt ID: I041122	From: KPFE	To: KMCF
Flt No: 05-04	Blk In: 1735Z	ATA: 1726Z
ETD: 1430Z	Blk Out: 1430Z	ATD: 1441Z
ETE:	Blk Time: 3:05 (3.1)	Flt Time: 2:45 (2.8)
Sponsor Org: AOC	Program: CALIBRATION	Purpose: INE TEST EQUIP

AOC Personnel

AC: KENNEDY	Sys Eng: SMITH
CP: TEBEEST	Data Sys: TONG
Nav: BEAROB / SIEGEL	Radar:
FE: KLIPPEL	GPS/BT:
FD: DAMIANO	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)
 INE 1 not operational in position ... only working in attitude

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

AOCWF2

Flt ID: **D041122** Time Off: **1441Z** Time On: **1726Z**

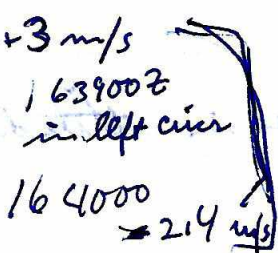

A/C (Take Off) Wx Station (Take Off) A/C (Land) Wx Station (Land)

Pressure **1021.2** **30.17 / 1021.2** **1019.3** **30.14 / 1020.1**

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	2	
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
1355Z **Flt Deck IAS right on sci IAS 233°**
21 **BAL DWI 1454Z**
20 **1539** **55°** **155450Z** **ABV CLD LAYER**
+3 m/s 
163900Z **in left cir**
164000 **-> 2.4 m/s**
1655Z **25** **300H**
19 **M**
mm 4i 

IME 2 Roll oscillating during ~~turn~~ circles

Mission INE CAL

Flt ID 071122L

SED Crew R.T., J. Smith

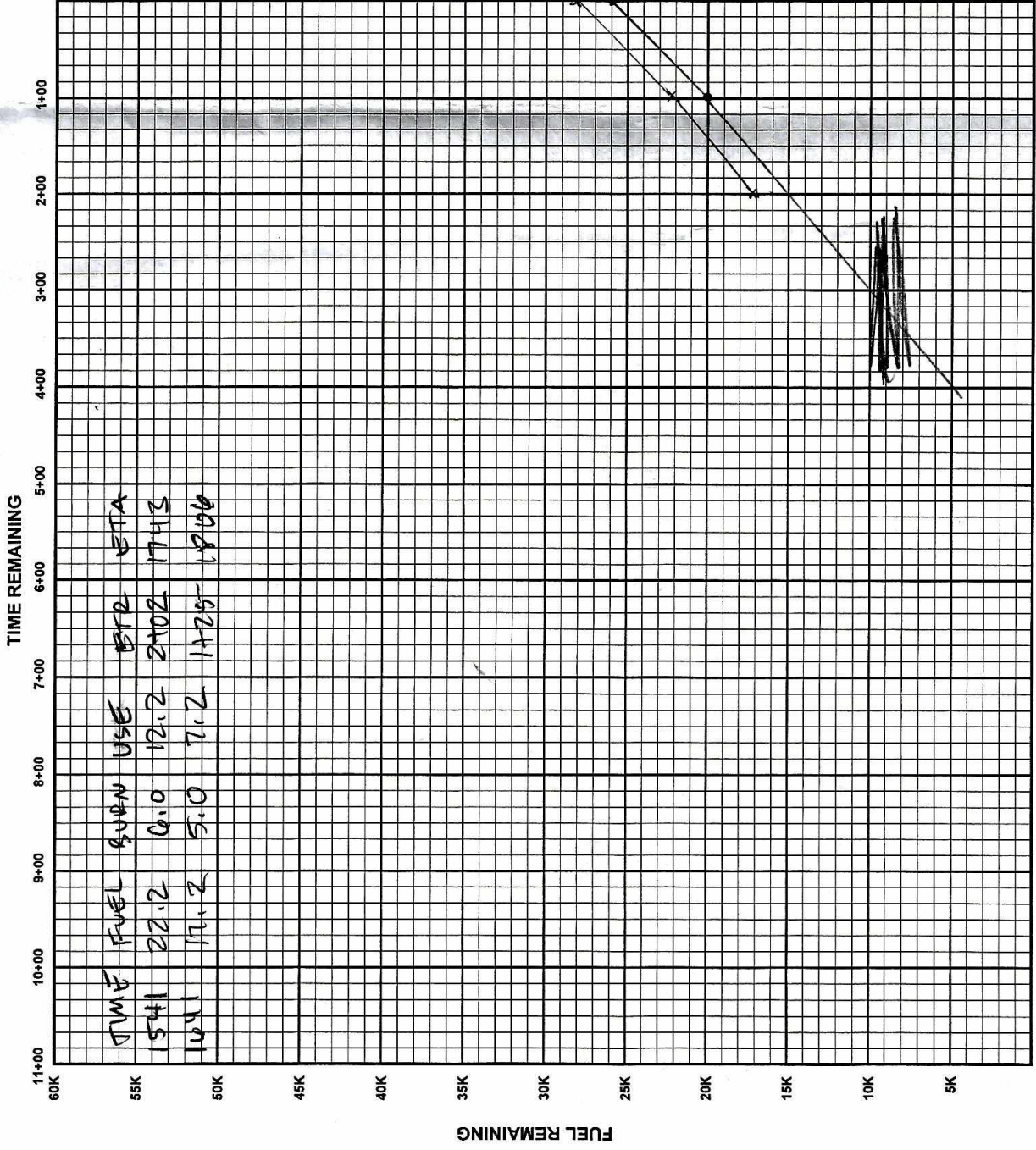
Pre-Flight 1300Z Take-Off 1741Z Landing 1726Z

System		Pre-Flight		In-Flight		Post-Flight				
NAV	GPS	FM: 1	JS			LAT	LO	GS	RE	
	INE #1	Time On: 1300Z	Aligned to: 0	RT	ATT	-	-	-	-	
	INE #2	Time On: 1300Z	Aligned to: 0	RT		+11	-08	1	1	
	Diff GPS			JS						
RADAR	MARS Data	Start	Stop	Ready?	HRD?	# DATs ? - Given To: /				
	MARS			-	Y/N	-				
	MARS Data / Tape Status				LFRec	TARec	EOF's			
	MARS LU8	Clean		-						
	MARS (LU9)	(Clean)		RT						
	RADAR R/T SN Tail	LF		RT	Mod Switches	(ON)	Mod Switches	(OFF)		
PMS	Nose			RT		Power	OFF			
	FSSP Ref VDC:	Covers	OFF	NU		Covers	ON			
	Cloud Mono	Covers	OFF	NU		Covers	ON			
	CIP	Covers	OFF	NU		Covers	ON			
	SEA Data DAT	Start	Stop	Ready?	#DATS	Errors	Disk Write	Given To:		
DAT	Clean?			N/A		Y / N				
TEMP		Cal High	Cal Low			Cal High	Cal Low			
	Temp #1	30.6	-30.5	RT		30.5	30.4			
	Temp #2			JS		Power	OFF			
	Temp #3			NU		Power	OFF			
PRES	Dewpoint	(#1) (#2) (#3 PDL)		JS		Power	OFF			
	Attack / Slip Angle	AP DAP BP DBP		JS		Power	OFF			
	Differential	PQ1 PQ2 PQ3 PQ4		JS		Power	OFF			
FLTLVL	Absolute	(PS1) (PS2) (CBPS)		JS		Power	OFF			
	Apr-159 SN:	66624		RT		Power	OFF			
	Apr-232 SN:	1751		JS		Power	OFF			
	Liquid Water	J&W King		JS	28V WOW: ON?	Power	OFF			
RAMS	Radiometer	(CO2) (SST)		RT	28V WOW: ON?	Power	OFF			
	RAMS Data	Start	Stop	Ready?	Errors 8:	Errors 9:	# DATs ? 2 Given To: 00			
	CPU: A (B)	1725	1735	RT	0	0	Power	(OFF)		
	RAMS Data / Tape Status				Slow Rec	Fast Rec	Disk Records: 1184			
	RAMS (LU8)	(Clean)		RT	1142	11727				
	RAMS (LU9)	(Clean)		RT	1142	11427				
	Flight Director Laptop			RT			Power	(OFF)		
	Network			NU						
	ASDL Mission #:	Name:		-	Freq:	Block:	Power	- OFF -		
	C.I. Printer	Start	Stop	Ready?	Paper Bin Stores		Given To:			
PRATE:	10	1425		0%	25%	50%	(75%)	100%	Power (OFF)	
MISC	Exterior Walk Around	(Plugs) (Covers)		JS		Plugs	Covers			
	SATCOM	W/S Inmarsat	GlobalStar	-		Power	(OFF)			
	AXBT Internal	# Loaded:		NU		# Launched:				
	AXBT External	# Loaded:		NU	28V WOW	# Launched:				
	AVAPS	# On Board:		NU		# Dropped:				
	Video Cameras	Start	Stop	Ready?	Cameras	Mode	# Tapes ? - Given To: -			
VHS SVHS			NU	N L R D	2 / 12	Lens Cap ? :				
USER	FCU	A B C -		JAS		UPS	(OFF)			
	SFMR	HRD (AOC)		RT		Accelerometers				
	HRD Work Station			NU						
	NASA SRA			NU		#1 (2 G):				
	ARL BAT Probe, SST & IRGA			NU 95		#2 (2.5 G):				
	UW PDA			NU		#3 (3 G):				
Scripps MASS, Laser Alt, IR Cam & Sono			NU		#4 (3.5 G):					
RSMAS Licor			NU							

[Handwritten signature]
Time

A

RANGE CONTROL GRAPH

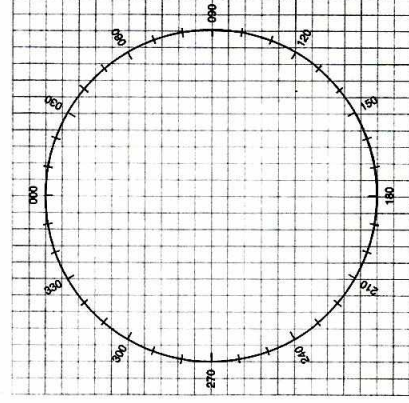


ENROUTE FUEL	
ENROUTE TIME	3700
ENROUTE FUEL (5K SK/45K RULE)	16K
RESERVE AT DESTINATION	10K
REQUIRED RAMP	26K
ACTUAL RAMP FUEL	29.2

TACTICAL (OFFSTA TO DESTINATION)	
DISTANCE (OFFSTA TO DEST)	
ENROUTE TIME (OFFSTA TO DEST)	
BURN RATE (LBS/HR)	4500
ENROUTE FUEL REQUIRED	5500
RESERVE AT DESTINATION	
FUEL AT OFFSTA	

POINT OF SAFE RETURN	
ETP DISTANCE (TO DEPARTURE)	
ENROUTE TIME (TO DEPARTURE)	
BURN RATE (LBS/HR)	4500
FUEL REQUIRED	5500
RESERVE AT DEPARTURE	
PSR FUEL	

CEX - TRUE BEARING METHOD		CEX - ERB METHOD	
COMPASS TYPE	INS1	INS1	INS2
MCH (READING)			
- MTH (SEXTANT)			
CE			
- VAR			
DEV			



WIND FACTOR		
WINDSPEED	HEADWIND	TAILWIND
10	1.03	.97
20	1.06	.94
30	1.10	.92
40	1.14	.89
50	1.18	.87
60	1.22	.85

PRESS ALT		200	250	300	350
10,000	1.0	1.0	.99	.99	.99
20,000	.99	.98	.97	.97	.97
30,000	.97	.96	.95	.94	.94
40,000	.96	.94	.92	.90	.90

TRUE AIRSPEED CROSS-CHECK						
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	ITAS
1536	232	10K	X	X	8	271
						267

DISTANCE REMAINING

ETP = .5(TOTAL DISTANCE x OUTBOUND WIND FACTOR)

