

Flt ID: 010706N	From: KMCF	To: KMCF
Flt No: 01-038	Blk In: 1750Z	ATA: 1739Z
ETD: 16Z	Blk Out: 1545Z	ATD: 1553Z
ETE: 1730Z	Blk Time: 2.05 2.1	Flt Time: 1:46 1.8
Sponsor Org: NOAA	Program: AL LAB	Purpose: TEST FLIGHT

AOC Personnel

AC: FINKE, M	Sys Eng: HILL, J
CP: MCCANN, B / YATES, G /	Data Sys: KMCF / HORN BROOK, C
Nav:	Radar:
FE: KITSUN, G	GPS/BT:
FD: 0242414 S	Cld Phys:
Avionics:	GPS: ADLER, J / NEWMAN, C

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
SOLOMON, S	P.I.	NOAA/AL
DANIEL, J	SCIENTIST	"
LANGFORD, A	"	"
MILLER, R	"	"

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

DWBAC 1618:15
 CAL 1644:03
 HEATEN 1658:30

Flt ID: 010706N Time Off: 1538 Time On:

WC (Take Off) WX Station (Take Off) A/C (Land) WX Station (Land)
Pressure 1019.8 30.11 1019.1 30.12

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes		

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

Remarks

Page of

Form 413-50

[illegible]

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Hurr. 01 Project No. 106 Flight No. 2 Flight ID: 010706N
 SED Crew: H. H. Hornbrook Mission: Cal flt
 Pre-Flight: 1454 Z Take-Off: 1553 Z Landing: 1738 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
NAV	IRS #1		<u>OK</u>			
	IRS #2		<u>OK</u>			
	IRS #3					
	GPS Honeywell #1		<u>OK</u>			
	GPS Honeywell #2		<u>OK</u>			
	GPS Collins		<u>OK</u>		Off? ☐	
Nose Radar - Collins					Off? ☐	
TEMP	Time	Temp °C			Time	Temp °C
	Temp #1	<u>1505</u>	<u>34.26</u>	<u>OK</u>	<u>1742</u>	<u>34.3</u>
	Temp #2			<u>OK</u>		<u>— N/A</u>
	Temp #3		<u>33.72</u>	<u>OK</u>		<u>34.3</u>
	Temp #4		<u>31.23</u>	<u>OK</u>		<u>36.5</u>
	DP Left		<u>21.17</u>	<u>OK</u>	Cal. Time: <u>1</u>	<u>21.6</u>
	DP Right	<u>↓</u>	<u>22.47</u>	<u>OK</u>	Cal. Time:	<u>22.9</u>
PRES	Attack Angle (ADCAOA)		<u>OK</u>			
	Slip Angle (BPx/DxPx)		<u>OK</u>			
	Differential (PQ1/PQ2)		<u>OK</u>			
	Absolute (PS1/PS2)		<u>OK</u>			
	Check Radome Press. Lines ☒ Date: <u>6/6/01</u>					
SYSTEMS	DOWN PRT-5 ⇨ Open? ☒ Not installed		<u>OK</u>		Closed? ☒ ①	
	MADS (WINDS/DISCWIN)		<u>OK</u>		# DATs: <u>1</u>	
	MADS Printer ⇨ Paper? ☒		<u>OK</u>		Printer Power off? ☐	
	MADS Cal. Date: <u>7/6/01</u> QC time: <u>1530</u>				QC time: <u>1747</u>	
	WINDS ⇨ NET BCAST ☐					
	HAPS System / Time set? ☒		<u>SWH</u>		# Msg.: <u>—</u> # Fail: <u>—</u>	
	AVAPS System		<u>OK</u>			
	K2 Printer ⇨ Paper? ☐		<u>OK</u>		Printer Power off? ☐	
	Exterior Walk Around ☒		<u>SWH</u>			
	Inspect DropSonde Chute Bolts		<u>OK</u>			
MISSION	Satcom (Flight Phone) ☒		<u>SWH</u>		Off CB? ☐	
	Call COMSAT? ☒ (*292#)		<u>SWH</u>			
	FCU/UPS/CB		CB's Checked? ☒		UPS off? ☐	
	AVAPS Sondes		# On Board: <u>0</u>	# Dropped: <u>—</u>	# Good: <u>—</u>	
	AXBT		# On Board: <u>0</u>	# Dropped: <u>—</u>	# Good: <u>—</u>	
	APN-232 Altimeter		<u>OK</u>			
	Modem Power On? ☒		<u>OK</u>			

1	DAT Tape #1	On: <u>1529</u>	Type: <u>60</u>	Off: <u>1750</u>
2	DAT Tape #2	On:	Type:	Off:
Comments:				
<u>Channel 3 Am SAT</u>				
<u>Cal 1644 7/6/01</u>				

प्रश्न 1. यदि $\sin \theta = \frac{3}{5}$ तो $\cos \theta$ का मान ज्ञात करें।

[illegible]

IAS 200KTS (~204)

	WD	WS	6PGALT	PALT
1407:30 - 1409:30	16	13.8	13100	
1415:20 - 1417:20	72	4.7	13100	12533

1407:30 - 1409:30 517.3 19.8 23.2 9.9 11.2 12.2

1415:20 - 1417:20 45.3 49.3 54.2 5.6 6.0 6.3

1424:30 - 1426:30 26.5 30.0 32.7 9.7 10.3 11.1

1433:30 - 1435:30 48.4 52.4 56.2 6.4 6.6 6.8

~~1438:40 - 1440:40~~ 29.5 37.1 47.5 8.9 9.3 10.2

1446:07 - 1448:07 14.8 23.3 32.4 6.3 6.5 6.9

1454:00 - 1456:00 38.8 42.9 48.4 7.8 8.5 9.1

AKRD2
AOCDA - P1TR
AOLTE - P1TR
AT2
T12
AKRD2

ALL 2's
P1TR except
VIEW
~~WIDE~~ VSPD

1512:00 - 1514:00 17.9 22.7 29.2 8.3 9.8 11.5

1521:10 - 1523:10 30.2 33.1 35.6 6.3 7.0 7.8

1532:00 - 1534:00 18.1 22.2 28.1 9.3 10.1 11.4

1540:00 - 1542:00 26.0 27.9 32.0 7.5 7.8 8.1

1546:20 - 1548:20 42.4 46.7 50.2 6.9 7.8 8.2

1555:14 - 1557:14 18.4 28.8 36.7 4.9 5.4 6.0

RE-RUN WITH PRIM & QCM
DERIVATIONS
ALSO WITH ATTACK/SLIP

* Defaults
Depend Table

Derive Data from 010615 1.k. last year

Note problems

Check Data from 010706

Investigate heater error

Summarize Slip - Attack Constants

Analyze all equations

Prep for Huer

Prep for Epic