

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

Flt ID: 070810I	From: KMCF	To: KMCF
Flt. No: 67 -	Blk In: 1542 z	Time On: 1526 1529 1534z
ETD: 1330z	Blk Out: 1335 z	Time Off: 1345 z
ETE: 2 + 30	Blk Time: 2 + 7	Flt Time: 1 + 49
Sponsoring Org: NOAA-AOC	Program: 170207	Purpose: TEST FLT - PUP

AOC Flight Crew

Aircraft Commander: CHOY	Data System: LYNCH
Co-Pilot: NELSON	AVAPS:
Navigator: BUSH	System Eng: SMITH
Flight Eng: FLOYD	AA: McCombs, J (IT)
Flight Director: FLAHERTY, ALMEIDA	AA:
Avionics: SANS SARC	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Storm Name:

Mission ID:

NOTES:

TRK/HOG OFF

142330 - TML

VAB 28°35'10"N
80°39'05"W
3115

Recco Times

Fix Time

5000' TO VAB
RAC CLIMB TO 10,000'
SANDY DROP
RAC DESCENT TO 1500'
CIRCLE, OVER BWOY → VAB

(See reverse for additional remarks)

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Flight ID: ~~0748~~ 070810 F Time Off: 1345 Z Time On: Z

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1014.0	A2996	1014.8	1014.8

	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Dropsondes		Good: Bad:
AXBT		
AXCP		
AXCTD		

Remarks: TAKE OFF WEATHER: 101255Z 17003 KT 10SM 29/26 A2996
LANDING WEATHER:

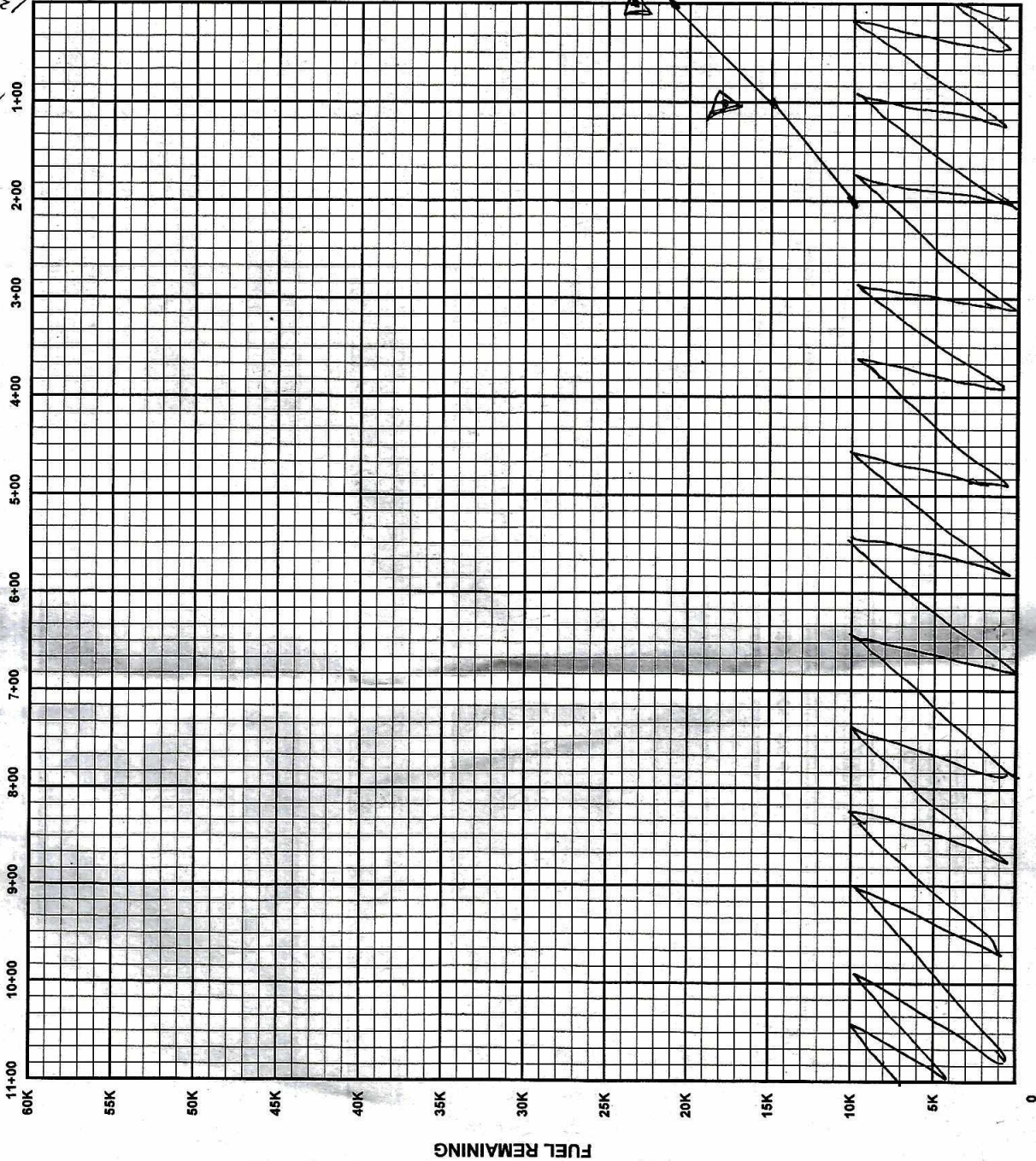
KNCF
LAL
CAMBE
ORL
VAB
BUOY
41009
KNCF

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	+5	φ
DELTA LON	-2	+5
RGS	/	/
RADIAL ERROR	0.44	1.05

[illegible]

RANGE CONTROL GRAPH

TIME REMAINING



FUEL REMAINING

ENROUTE FUEL	
ENROUTE TIME	2+00
ENROUTE FUEL (6K 5K 4K RULE)	11.0
RESERVE AT DESTINATION	10.0
REQUIRED RAMP	21.0
ACTUAL RAMP FUEL	23.5

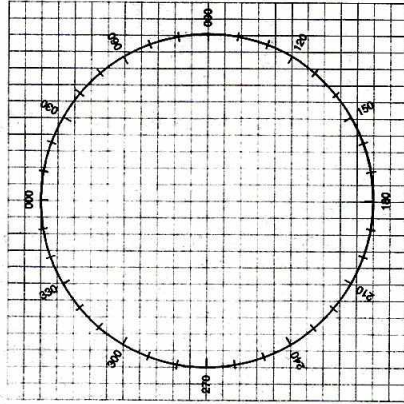
TACTICAL (OFFSTA TO DESTINATION)	
DISTANCE (OFFSTA TO DEST)	4 ENG 3 ENG
ENROUTE TIME (OFFSTA TO DEST)	
BURN RATE (LBS/HR)	4500 5500
ENROUTE FUEL REQUIRED	
RESERVE AT DESTINATION	
FUEL AT OFFSTA	

POINT OF SAFER RETURN	
ETP DISTANCE (TO DEPARTURE)	4 ENG 3 ENG
ENROUTE TIME (TO DEPARTURE)	
BURN RATE (LBS/HR)	4500 5500
FUEL REQUIRED	
RESERVE AT DEPARTURE	
PSR FUEL	

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

CEX SIGHT	
GMT	
GHA	
CORR	
GHA	
LONG-W E	
EXACT LHA	
LAT	
BODY	
DEC	
HC/D	
CORR	
HC	
Z	
ZN	

CEX - ERB METHOD		
COMPASS TYPE	INS1	INS2 WET
MERB (DIAL 000)		
+ ZN		
= MTH		
MCH (READING)		
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

DISTANCE REMAINING

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

Buoy Mark on Top

N 28-30.29

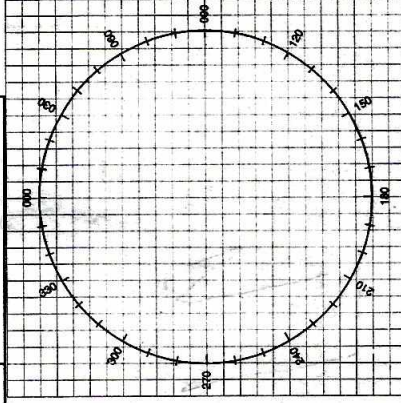
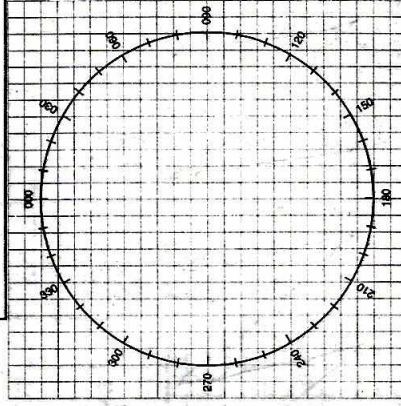
W 80-09.88

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

TRUE AIRSPEED CROSS-CHECK					
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT TAS ITAS

FRQ	ALT	HGD	OTHER
127.7	12K		175 AS MC F. LAZ
	12K		2 190 1600
125.55			11K + 111
124.8			119.65
132.69			340K 3514
124.8	8K	550	AS LAZ
			060 LAZ
			RV 500N 441 AS FIA

POSITION REPORT



TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE, IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHFVOICE	VHFVOICE	MFVOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S _____

- HEADING _____ TRUE/MAG _____

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD _____
NATURE OF EMERGENCY _____

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS

- WE HAVE _____ ENDURANCE REMAINING _____

POSITION REPORT

1. POSITION

2. TIME

3. ALTITUDE

4. NEXT POSITION

5. ETA

6. NEXT POSITION

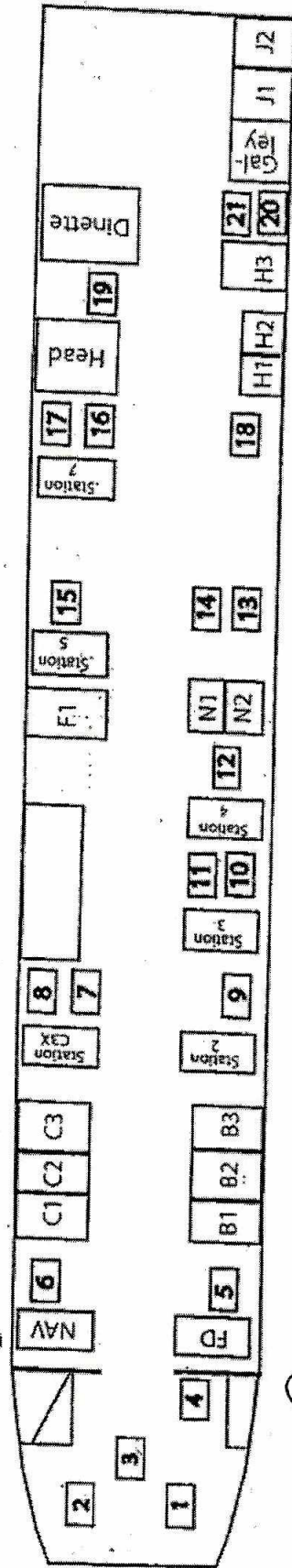
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070810I COMMENTS	LAT	LON	TA	TD	TK	SHD	RA	PS	SP	WD	WS	WZ	SFWS
152350	27.51.00	-82.29.52	-9	-64.2	.0	.0	1.0	250.7	250.7	.3	42.3	-4.0	0.0
133119	27.50.94	-82.29.58	35.9	40.0	134.2	134.2	3.0	1014.0	1014.3	147.1	3.0	-2.6	0.0
133554	0. 0.00	2. 6.54	36.3	24.2	.2	.2	0.0	1014.0	1014.0	356.4	2.1	.5	0.0
134622	27.46.68	-82.32.52	25.7	22.2	5.1	187.0	569.0	952.8	1015.7	325.2	2.5	1.6	0.0
140344	28. 6.84	-81.46.32	6.0	-9.9	61.7	62.4	4003.0	636.0	1014.5	113.1	1.7	1.9	0.0
descending													
141550	28.30.96	-80.55.56	13.3	4.3	62.9	64.3	2793.0	741.4	1022.2	175.9	.8	1.5	0.0
descending to 6000'													
141933	28.35.28	-80.40.80	19.1	9.8	84.8	85.2	1666.0	843.2	1019.7	164.5	1.5	1.4	0.0
vab run													
141950	28.35.34	-80.39.54	19.4	9.3	271.4	92.8	1626.0	845.5	1017.6	162.9	1.2	1.7	0.0
5300 RA													
142053	28.35.28	-80.38.22	19.4	7.8	272.9	94.1	1680.0	842.9	1020.9	263.2	6.3	2.0	0.0
vab run													
142628	28.30.60	-80.12.78	10.6	-4.2	285.0	106.4	3282.0	697.6	1019.6	216.2	1.7	1.8	0.0
testing roll w/pilots													
142803	28.27.24	-80.14.58	10.5	-3.7	303.3	304.8	3277.0	697.4	1019.0	150.9	1.0	1.9	0.0
to left roll													
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
roll matching up (-25)													
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
box reset													
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
launched													
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
starting descent													
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
several VI errors on descent													
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
turning toward VAB													
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8
142951	28.24.96	-80.18.54	10.6	-3.9	328.2	148.4	3281.0	697.5	1019.5	272.0	.9	1.4	.8

1500 RA
land
VAB
water

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID: 070810I



Choy

PILOT

NELSON

COPLOT

1001

FLIGHT ENGINEER

W.C. Combs

STATION 1

FATHERLY

FLIGHT DIRECTOR

Bishtal

NAVIGATOR

STATION C3X

15. Sam IT-21

STATION 5

16. _____

STATION 7

17. _____

STATION 7

8. SANS Sec 1

STATION 8

9.

FINC

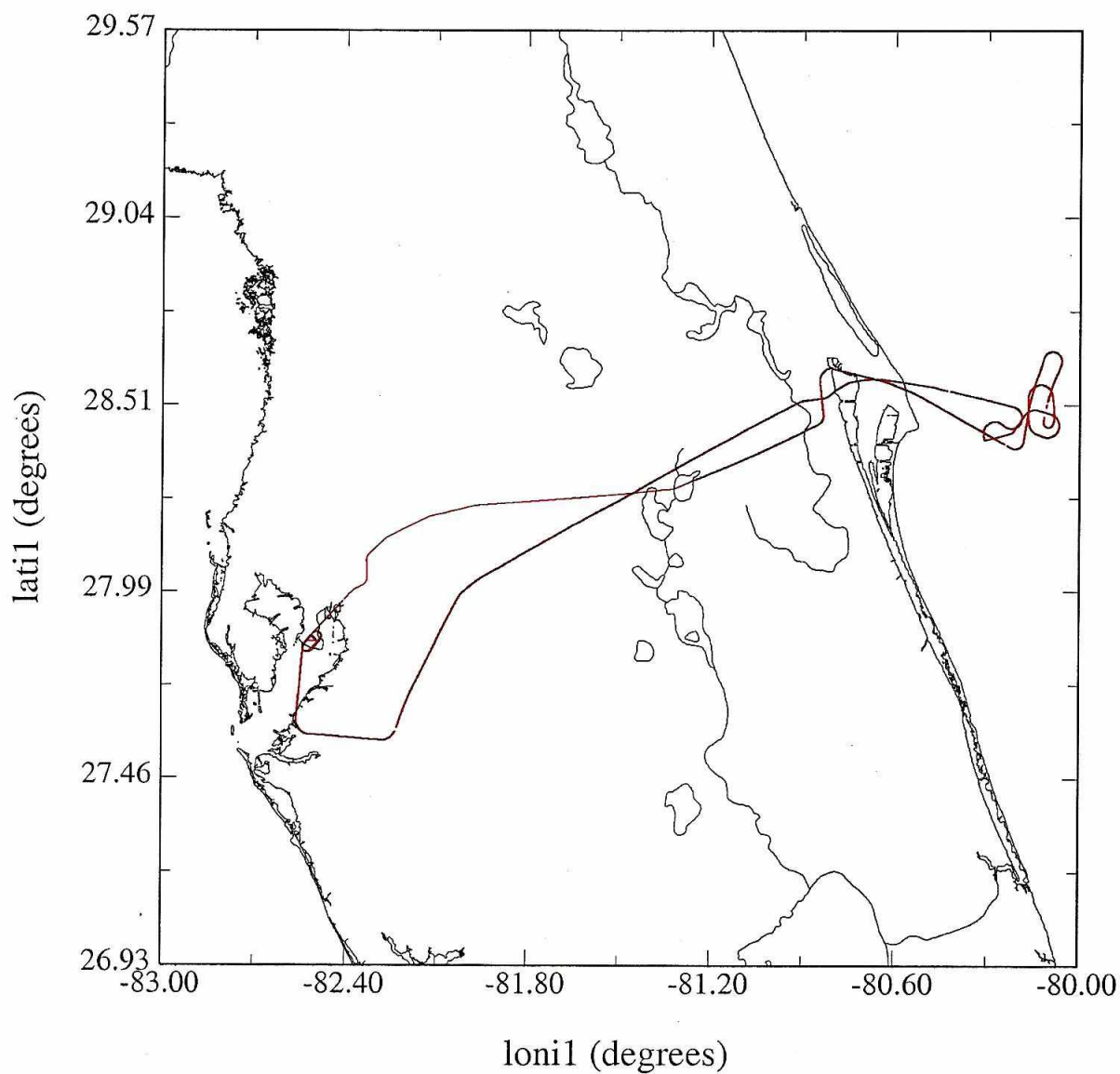
D.

GALLEY

1

GALLEY

08/10/2007 UTC, 13:32:21-15:43:00



—	lat1l (degrees), 1 s/sec	mean	sigma	min	max
	lon1l (degrees), 1 s/sec	28.18	0.32	27.57	28.67
		-81.48	0.92	-82.56	-80.06