

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 050617H	From: KMCF	To: KMCF
Flt No: 05-27	In: 1658Z	On: 1649Z
ETD: 1230Z	Out: 1255	Off: 1305
ETE: 4+00	Blk Time: 4+03 4.1 Hrs	Flt Time: 3+44 3.7 Hrs
Sponsoring Org: AOC	Program: CALIBRATION	Purpose: SFMR TEST

AOC Flight Crew

Aircraft Commander: KENNEDY, P	Data System: GOLDSTEIN, A
Co-Pilot: TEBEEST, R ' MARTIN, C	AVAPS: SMITH, J
Navigator: GALLAGHER, T	System Engineer: McMILLAN, S
Flight Eng: WADE, S	AA: WILLIAMS, B
Flight Director: SUPERHERO, T	AA:
Avionics:	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: **NDAAZ WXWXA TRAIN**

Recco Times

Fix #

Fix Time

**~1310
1343
1405
1507**

(See reverse for additional remarks)

U.S. DEPT OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

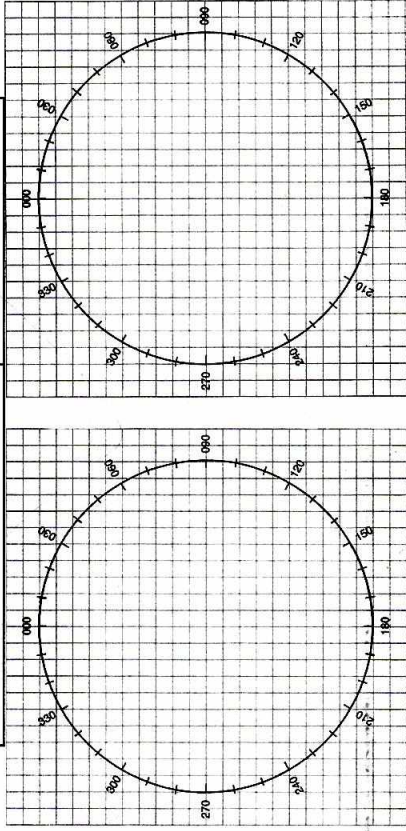
FLT ID:	050617H	TIME OFF:	1305Z	TIME ON:	1649Z
	A/C - Takeoff	WX Station - Takeoff	A/C - Land	WX Station - Land	
Pressure	1010.0	29.83	1010.3	29.85	
ATIS - Takeoff	I 1155 2500R V7 SCT020 BKN028/25 A29.83				
ATIS - Land	K 1455 2500R V7 SCT030 CB SCT100 21/24 A29.85				
Data Source	Number	Data Disposition / Date / Quality			
Flight Level Tapes	2				
Radar Tapes	1				
Cloud Physics Tapes / Cds	0				
Video Tapes	0				
Dropsondes	9	Good: Only Bad Smith Probes			
AXBT	0				
AXCP	1				
AXCTD	1				
SONOBUOY	1				

REMARKS:

time
 LAT
 LONG
 TA
 TD
 TK
 HDG
 RA
 PS
 SP
 WD
 WS
 WZ

[illegible]

POSITION REPORT



1. POSITION	2. TIME	3. ALTITUDE	4. NEXT POSITION	5. ETA	6. NEXT POSITION

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:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

**MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA . NOAA**

- POSITION _____ N/S _____
E/W AT _____ Z _____

- HEADING _____ TRUE/MAG _____
- AT _____ KTS TRUE/INDICATED _____

- FLIGHT LEVEL OR ALTITUDE -

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

- ASSISTANCE DESIRED

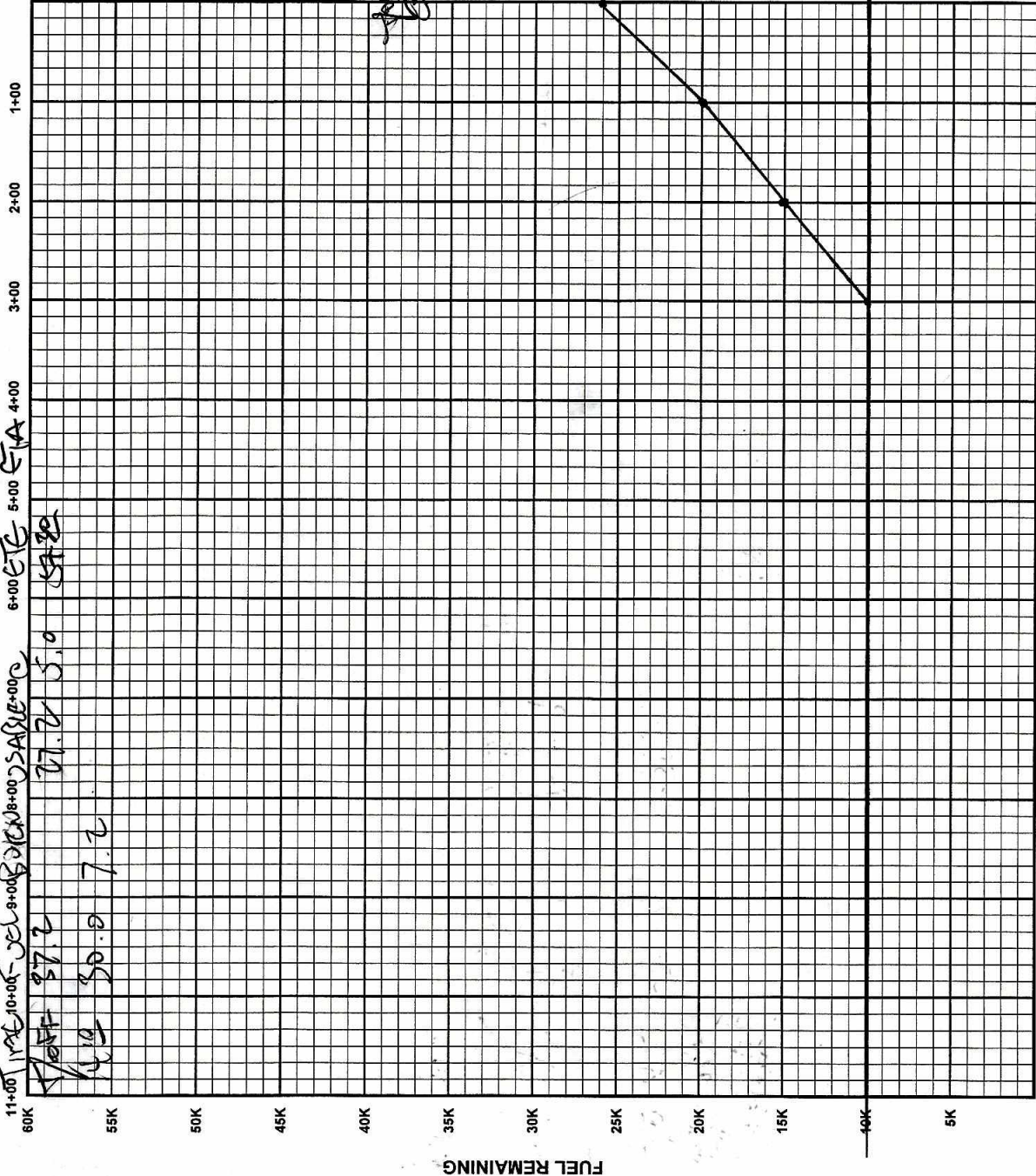
- PILOT INTENTIONS _____

- WE HAVE _____ ENDURANCE REMAINING _____

[illegible]

RANGE CONTROL GRAPH

TIME REMAINING



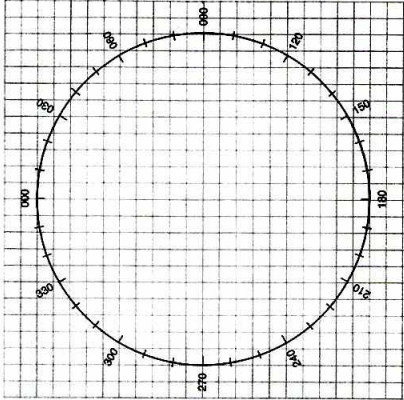
ENROUTE FUEL	
ENROUTE TIME	3:00
ENROUTE FUEL (6K/5K/4.5K RULE)	18K
RESERVE AT DESTINATION	10K
REQUIRED RAMP	20K
ACTUAL RAMP FUEL	37.2

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 SAFE 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				CEX SIGHT	
COMPASS TYPE	INS1	INS2	WET	GMT	
MCH (READING)				GHA	
- MTH (SEXTANT)				CORR	
CE				GHA	
- VAR				LONG +W -E	
DEV				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)

PRESS ALT		200		250		300		350	
10,000	1.0	.99	.98	.97	.96	.95	.94	.93	.92
20,000	.99	.98	.97	.96	.95	.94	.93	.92	.91
30,000	.97	.96	.95	.94	.93	.92	.91	.90	.89
40,000	.96	.95	.94	.93	.92	.91	.90	.89	.88

TRUE AIRSPEED CROSS-CHECK						
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	ITAS
13:00	200	1000				288
						281/25