

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

Flt ID: 080812I	From: KMCF	To: TBPP
Flt. No: —	Blk In: 1855 Z	Time On: 1846 Z
ETD: 132	Blk Out: 1308 Z	Time Off: 1317 Z
ETE: 6 +	Blk Time: 5:47 (5.8) Hrs	Flt Time: 5:29 (5.5) Hrs
Sponsoring Org: NITE	Program: TDR	Purpose: Position to TBPP

AOC Flight Crew

Aircraft Commander: Choy	Data System: Rader
Co-Pilot: Newman, Eshward	AVAPS: Smith
Navigator: Gallagher, Kilder	System Eng: Lynch
Flight Eng: Floyd, Klippel	A A:
Flight Director: Parrish	A A:
Avionics: Linda Sans Souci	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation

Remarks (Storm Name, Mission ID, Recco Times, Fix Times) Storm Name: 1255Z 280/5 29/25 29.92 Mission ID: 13040 59300 NOTES:		Recco Times Fix # Fix Time
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(See reverse for additional remarks)

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Flight ID:

Time Off:

Z

Time On:

Z

A/C - Takeoff

Wx Station - Takeoff

A/C - Land

Wx Station - Land

Pressure

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes / CDs

Video Tapes

Dropsondes

Good:

Bad:

AXBT

AXCP

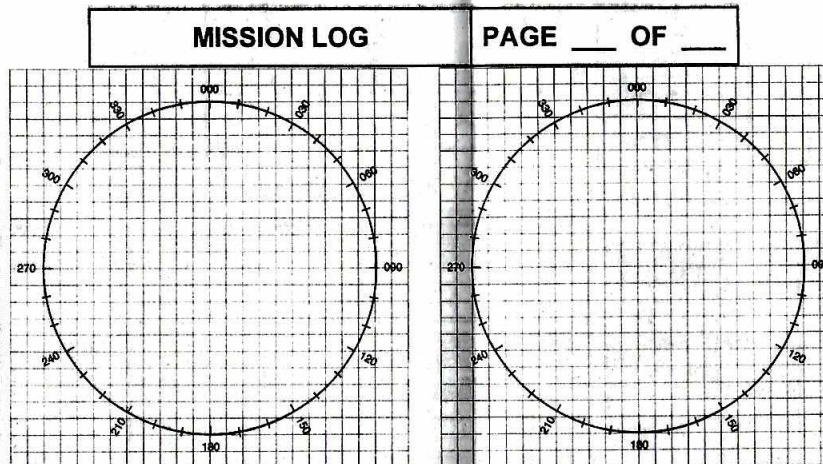
AXCTD

Remarks:

TAKE OFF WEATHER:

LANDING WEATHER:

CLEARANCES			
FREQ	ALT	HDG	OTHER
			Uniform 270/5 Rwy 04
			29.90 2110
			127.0
			RABTS BRIL 135.17
			132.15 132.4



POSITION REPORT

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

EMERGENCY MESSAGE

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

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA 43, NOAA 42, NOAA 43

- 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

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1303	ENG STRT	0314																			
1307	TAXI	0410																			
1309	V																				
1313	T/O	0410	0410		0410																
	SAC																				
1320	Δ	0410	0410		0410																
1417	Δ	0603	0604	-1	0602	-1	148	7W	130	14L	134	285	245	22	190	271					
1500	Δ	0715	0715		0715																
1600	Δ	0904	0904		0905		130	11W	124	1L	135	297	223	03	190	296					
1640	Δ	0942	0942		0942																
1810	Δ	1459	1506	-7	1451	+8	147	14W	132	412	148	292	082	10	190	299					
1844	V																				
1845	LAND	TRIP																			

MSA 0700 1600m
6400

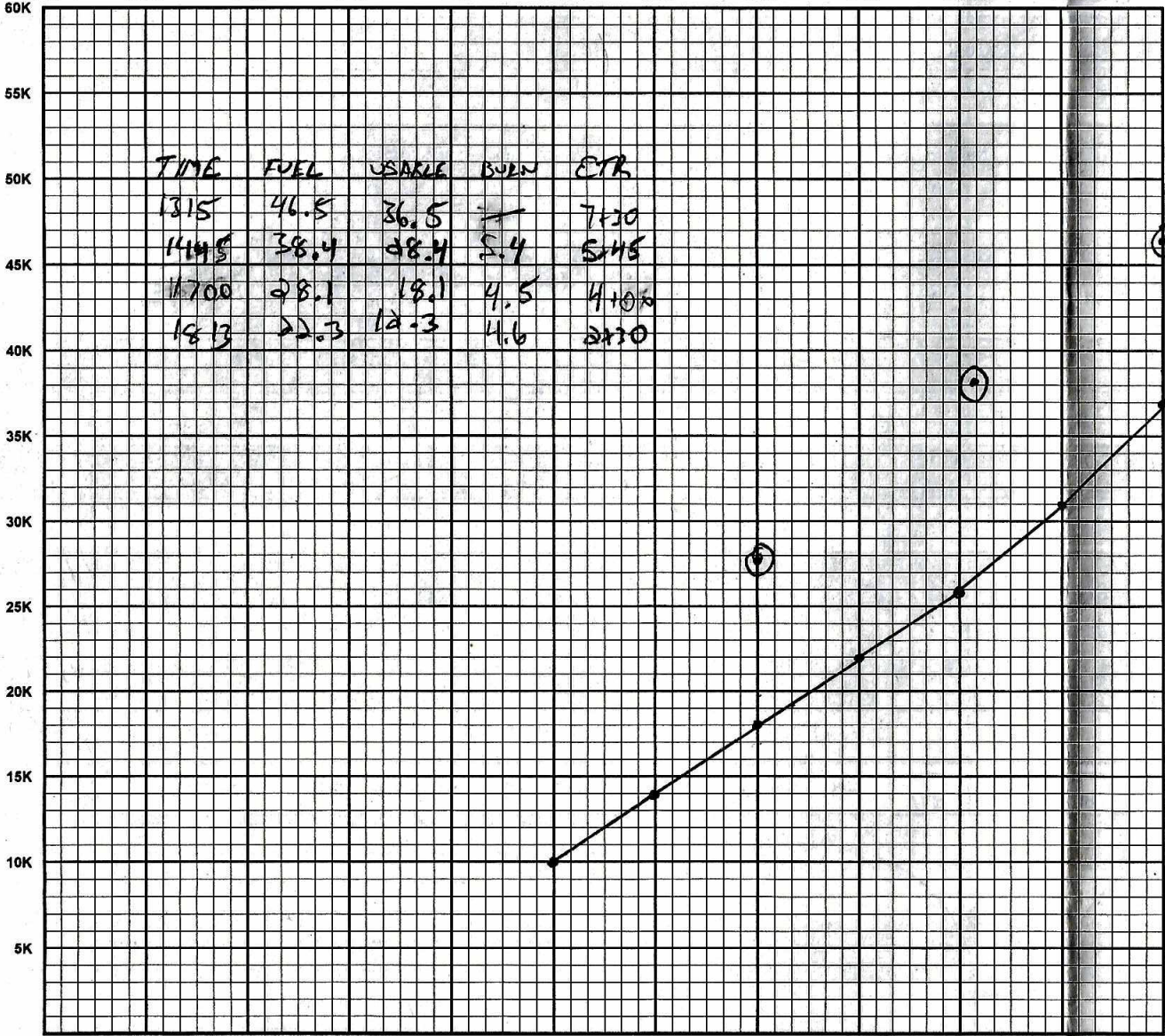
Arrival 3000
North of Field

[illegible]

RANGE CONTROL GRAPH

TIME REMAINING

11+00 10+00 9+00 8+00 7+00 6+00 5+00 4+00 3+00 2+00 1+00



DISTANCE REMAINING

$$ETP = .5(TOTAL\ DISTANCE \times OUTBOUND\ WIND\ FACTOR)$$

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

ENROUTE FUEL	
ENROUTE TIME	6+00
ENROUTE FUEL (6K, 5K, 4.5K RULE)	27
RESERVE AT DESTINATION	10
REQUIRED RAMP	37
ACTUAL RAMP FUEL	46.5

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

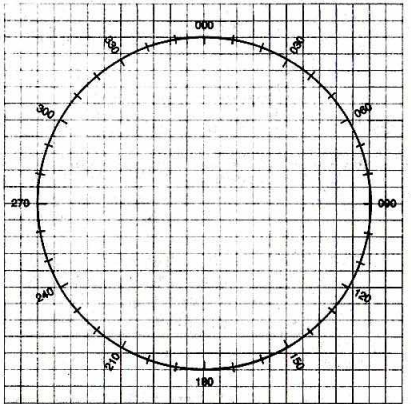
POINT OF SAFE RETURN		
	4 ENG	3 ENG
ETP DISTANCE (TO DEPARTURE)		
ENROUTE TIME (TO DEPARTURE)		
BURN RATE (LBS/HR)	4500	5500
FUEL REQUIRED		
RESERVE AT DEPARTURE		
PSR FUEL		

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

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			



TRUE AIRSPEED CROSS-CHECK							
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	TAS	ITAS
1338	211	170			46 44	279	280