

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

ACOW-1

Flight ID: 021213I	From: KMCF	To: KMCF
Flight No: 03-13	Blk In: 2056	ATA: 2045
ETD: 1930	Blk Out: 1937	ATD: 1946
ETE: 1+30	Blk Time: 1.3	Flt Time: 1.0
Sponsor Org: NRL	Program: SAR	Purpose: SAR TEST FLT.

AOC Personnel

AC: KENUL, P	Sys Eng: LYNCH, T
CP: HALVERSON, H	Data Sys: TONG, R
Nav: ADLER, J / BRAKOB, D	Radar:
FE: BAST, G / TORREY	GPS/BT: BROGAN, D
FD: SHEPHERD, T / FLAHERTY, P	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
SLETTEN, M	PI	NRL
JUNER, B	Co PI	UMASS
FARQUHARSON, G	Co PI	UMass

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

TEXT SCREENS IN AND OUT ENTIRE FLIGHT

CCW

021213I

1946

2045

WX Station (Land)

1010.3

29.84

1010.7

29.87

Data Disposition / Date / Quality

2

D

5

0

Dropsondes

W

Remarks

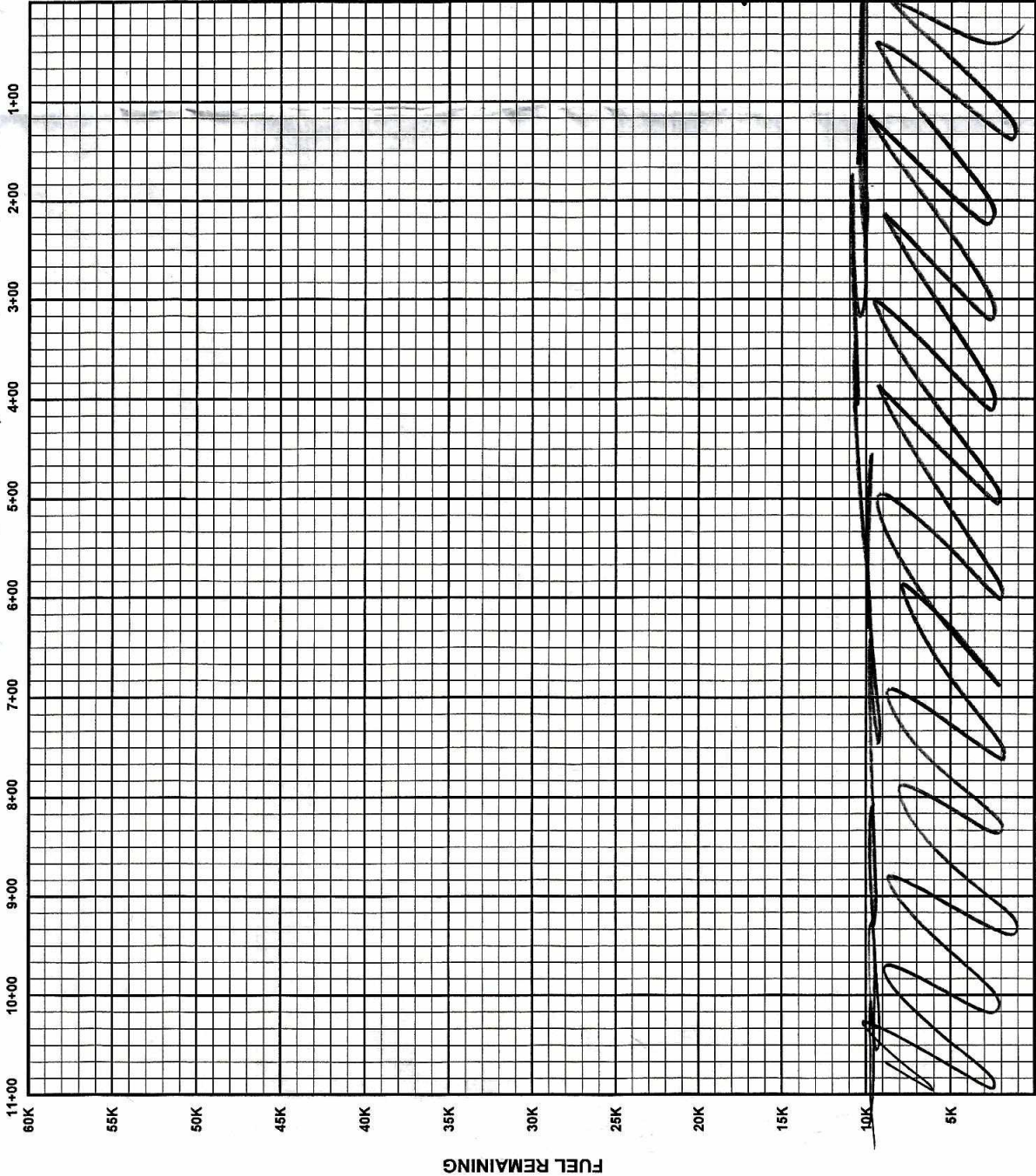
Rate

Remarks

RANGE CONTROL GRAPH

2015 2015 1945

TIME REMAINING



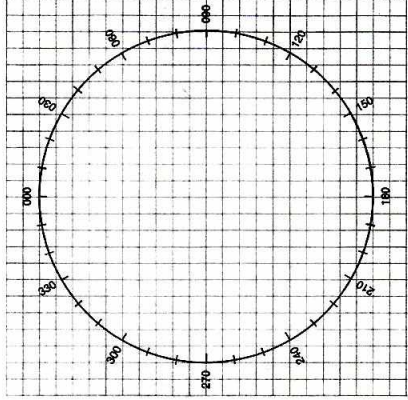
ENROUTE FUEL	
ENROUTE TIME	1430
ENROUTE FUEL (6K SK/4 SK RULE)	8.5
RESERVE AT DESTINATION	10
REQUIRED RAMP	18.5
ACTUAL RAMP FUEL	17.7

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 (0/AL 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)

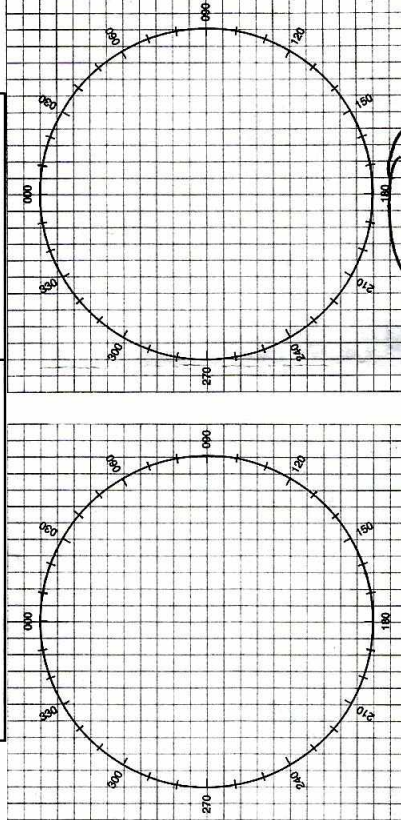
PRESS ALT		200	250	300	350
10,000	1.0	1.0	1.0	.99	.99
20,000	.99	.99	.98	.97	.97
30,000	.97	.96	.96	.95	.94
40,000	.96	.96	.94	.92	.90

TRUE AIRSPEED CROSS-CHECK					
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT
1953	190	3K		+19	202
					209

[illegible]

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MISSION LOG	PAGE 1 OF 1
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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/VCW MF/CW
243.0 121.5 2182 KHZ 8364 KHZ 500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S _____ E / W AT _____ Z
- HEADING _____ TRUE/MAG TRUE/INDICATED
- AT _____ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE P-3 AIRCRAFT WITH _____ SOULS ON BOARD
- NATURE OF EMERGENCY _____
- ASSISTANCE DESIRED _____
- PILOT INTENTIONS _____
- WE HAVE _____ ENDURANCE REMAINING

[illegible]

2012

[illegible]

INS PERFORMANCE		INS 1	INS 2
BEGIN ALIGN TIME		1820	1820
ALIGN STATUS (0-5)		1	1
END NAV TIME		2048	2048
START NAV TIME		1924	1924
DELTA T		124	124

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	+7	+4
DELTA LON	+1	-8
RCS	(	,
RADIAL ERROR	(	(

[illegible]