

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

AOCWFI

Flt ID: 021218I	From: KMCF	To: KMCF
Flt No: 03-16	Blk In: 2000Z	ATA: 1957
ETD: 18Z	Blk Out: 1802Z	ATD: 1813Z
ETE: 2 HRS	Blk Time: 2.0	Flt Time: 1.7
Sponsor Org: NRL	Program: SAR POD (PSR)	Purpose: TEST FLT #4

AOC Personnel

AC: KENDL	Sys Eng: LYNCH
CP: TAGGART	Data Sys: SMITH
Nav: BRADY BRADY / ADLER	Radar: TONG
FE: BAST	GPS/BT:
FD: FLAHERTY / PARRISH	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
BILL JUNEK	P.I. NRL-SAR POD	NRL

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

23/14 SWITCHING TO DWPTR 2 1809 (3 260 HIGH)
 1825 TO 2000 FT
 ST LEG 2 STARTED LATE
 BALANCE DWPTR 191310 (140 HIGH - HIGHER THAN AMB TEMP)
 191615 - DWPTR 3 OFF + ON

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AOCWF2

Flt ID: 021210I	Time Off: 1813Z	Time On: 1957Z		
	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1018.8	A3014	1018.2	A3007

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

Video

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

Remarks

Flight ID: 0212181

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Form 413-50

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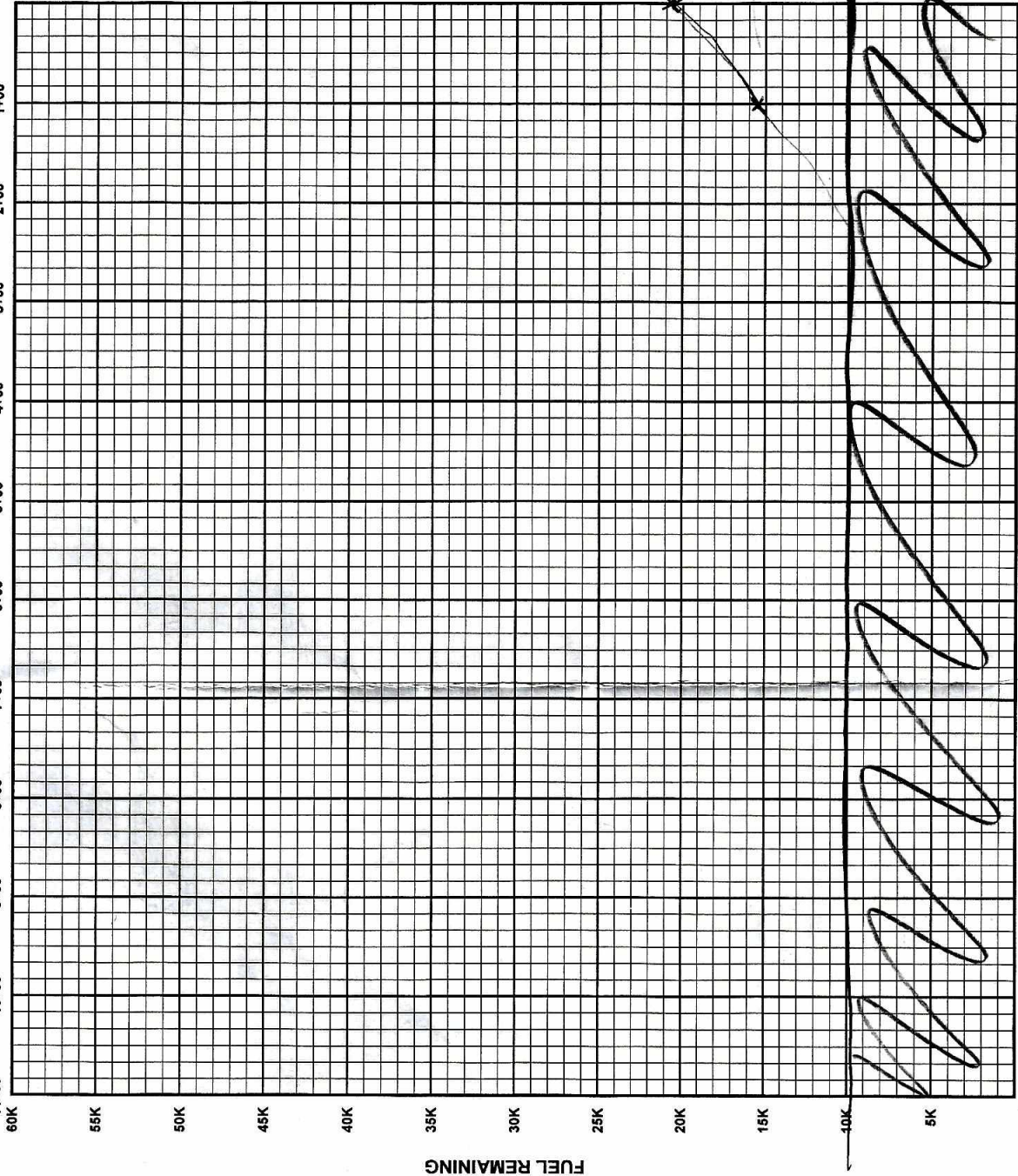
INS PERFORMANCE		
	INS 1	INS 2
BEGIN ALIGN TIME	1715	1715
ALIGN STATUS (0-5)	1	1
END NAV TIME	2000	2000
START NAV TIME	1753	1753
DELTA T	2407	2407

TERMINAL ERRORS		INS 1	INS 2
DELTA LAT	+5	+3	
DELTA LON	-1	-5	
RGS		0	0
RADIAL ERROR		1	1

REMARKS
1810 20.5
1910 15.3 5.2 2450

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 1810



ENROUTE FUEL	
ENROUTE TIME	
ENROUTE FUEL (6K SK/4.5K/RULE)	
RESERVE AT DESTINATION	
REQUIRED RAMP	
ACTUAL RAMP FUEL	

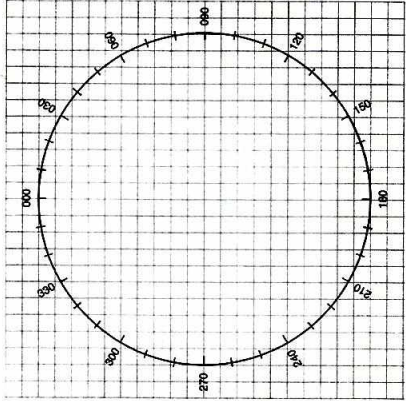
TACTICAL (OFFSTA TO DESTINATION)	
	4 ENG 3 ENG
DISTANCE (OFFSTA TO DEST)	
ENROUTE TIME (OFFSTA TO DEST)	
BURN RATE (LBS/HR)	4500 5500
ENROUTE FUEL REQUIRED	
RESERVE AT DESTINATION	
FUEL AT OFFSTA	

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	

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

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

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



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

PRESS ALT	T-Factor					
	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		

TRUE AIRSPEED CROSS-CHECK						
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	ITAS
187	224	3K	X	X	232	233

DISTANCE REMAINING

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

