

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

AOCWF1

Flt ID: H060430	From: KMCF	To: KBR0
Flt No: 06 - 036	Blk In: 2028z	ATA: 2020z
ETD: 1700z	Blk Out: 1658z	ATD: 1708z
ETE:	Blk Time: 3:30 (3.5)	Flt Time: 3:12 (3.2)
Sponsor Org: NHC	Program: HAT	Purpose: FERRY TO BROWNsville, TX

AOC Personnel

AC: CHOY	Sys Eng:
CP: NELSON	Data Sys:
Nav: BRAKOB	Radar:
FE: BAST, G.	GPS/BT: RASC0
FD: DAMIANO	Cld Phys:
Avionics: OLNEY	TORREY

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
McFADDEN	PM	AOL
BAST, L	PA	AOL
MAYFIELD	OBS	NHC
STEWART	}	NHC
LEBO FETTER		NHC
KMABB		NHC
ADLER	??	AOL

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

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AOCWF2

Flt ID: H060430 Time Off: 1708Z Time On: 2020Z

A/C (Take Off)

Wx Station (Take Off)

A/C (Land)

Wx Station (Land)

Pressure

NA29.94

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

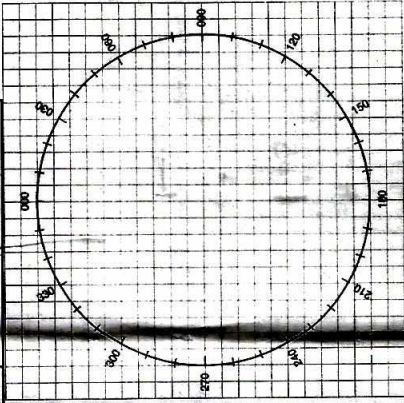
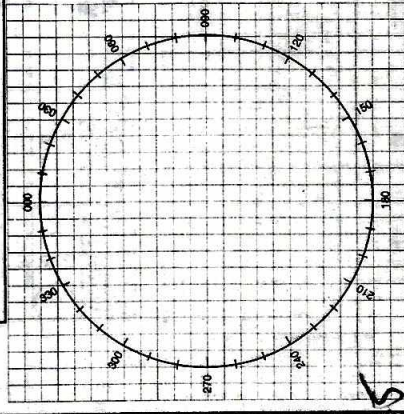
100

FREQ	ALT	HDG	OTHER
			CUR K380 AS FLYED
			R 080° 1600
			2 230Z
			2 FLT 220 +10
32VNS			R4 14H
BRO			UK 1440
			72K
			270
			118.8 12K 1339 2220
			124.77
			KELPP → BRO
			1326

MISSION LOG

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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	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 _____, NOAA _____

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

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

- FLIGHT LEVEL OR ALTITUDE -

~~14~~ SOULS ON BOARD

- WE ARE A P-3 AIRCRAFT WITH

- NATURE OF EMERGENCY

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS

[illegible]

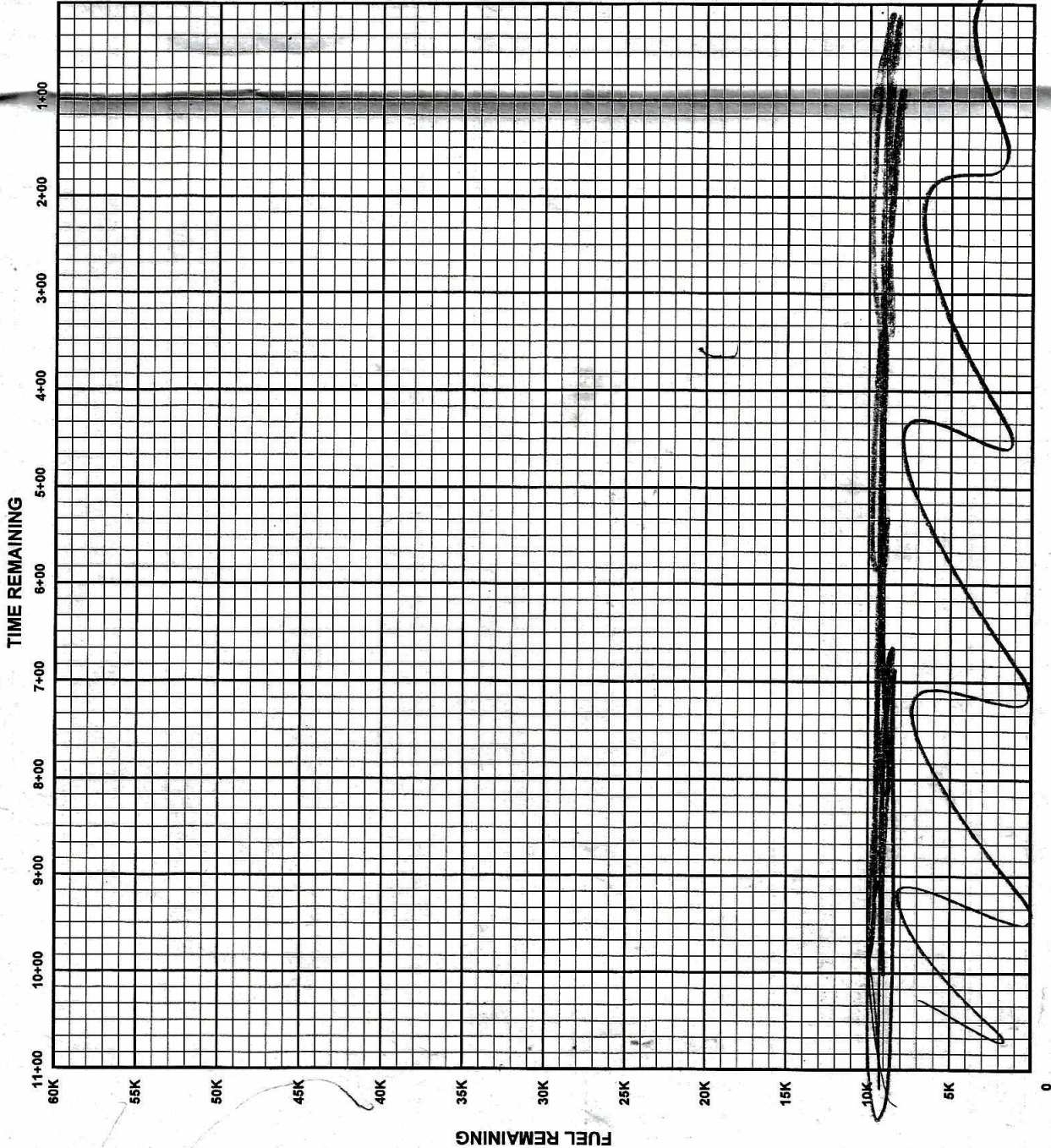
INS PERFORMANCE		INS 1	INS 2
BEGIN ALIGN TIME	1600	1600	1600
ALIGN STATUS (0-5)	1	1	1
END NAV TIME	2021	2021	2021
START NAV TIME	1641	1641	1641
DELTA T	340	340	340

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	-7.5	-1
DELTA LON	+1.2	+8
RCS	6	3
RADIAL ERROR	2	1

[illegible]

WP	LAT / LON	RTE	MH	VAR +E==>	TH	DR +R==>	TRK (TRK)	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA	REMARKS
9	N KUNCE						271						145					→ to COMIS
1	COMIS 27 53 00 155						259						200			1749		→ 27/00
2	27 00 090 00						265						210			1842		→
3	26 30 095 00						255						212			1956		→
4	KANNA 26 00 97 00						257						221			2000		→
5	28 55 0725												21			2010		→
6	BLVNS																	→
7	KELPP																	→
							TIME	FUEL	FF	END	LAND TIME							→
							1706	32.5										→
							1823	25.5	7.0 1417	5.4	2150	2113						→
							1923	20.7		4.8	2115	2138	2102					→

RANGE CONTROL GRAPH



ENROUTE FUEL	
ENROUTE TIME	
ENROUTE FUEL (6K 5K 4.5K RULE)	10K
RESERVE AT DESTINATION	
REQUIRED RAMP	
ACTUAL RAMP FUEL	

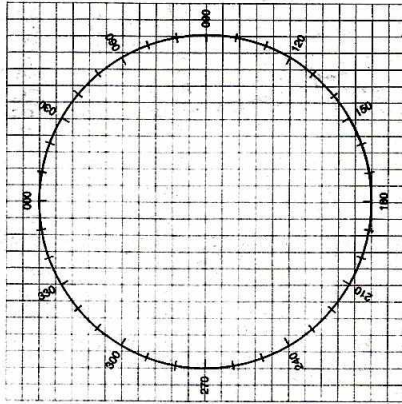
TACTICAL (OFFSTA TO DESTINATION)	
DISTANCE (OFFSTA TO DEST)	
ENROUTE TIME (OFFSTA TO DEST)	
BURN RATE (LBS/HR)	4500
ENROUTE FUEL REQUIRED	5500
RESERVE AT DESTINATION	
FUEL AT OFFSTA	

POINT OF SAFE RETURN	
ETP DISTANCE (TO DEPARTURE)	
ENROUTE TIME (TO DEPARTURE)	
BURN RATE (LBS/HR)	4500
FUEL REQUIRED	5500
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

DISTANCE REMAINING

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

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

TRUE AIRSPEED CROSS-CHECK						
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	ITAS
1730	120	220	X	-2	-15	206
1801	230	220	X	-2	-2	330

285