

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

FLT ID: 050830H	From: KMCF	To: KMCF
Flt No: 05-	In: 2014 ^Z	On: 2006 ^Z
ETD: 1630 ^Z	Out: 1627	Off: 1645
ETE: 4+00	Blk Time: 3+47 3.8 Hrs	Flt Time: 3+21 3.4 Hrs
Sponsoring Org: NOAA/NESDIS	Program: OCEAN WINDS/HURROS	Purpose: INST. CHECK FLIGHT

AOC Flight Crew

Aircraft Commander: STRONG, T	Data System: ROGERS, M
Co-Pilot: SILAH, T	AVAPS:
Navigator: SIEGAL, P	System Engineer: HILL, J
Flight Eng: KLIPPEL, J	AA:
Flight Director: SHEPHERD, T	AA:
Avionics: OLNEY, B	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
CHANG, P	PI	NESDIS
ESTEBAN, D	Co PI	
CONTRERAS, R	IWRAP/SENR	UMASS
ASUZU, P		
CHU, T		

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix #

Fix Time

Storm Name: _____

Mission ID: WY WXA TRAIN

NO J-W
NO 2ND DP

(See reverse for additional remarks)

U.S. DEP'T OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

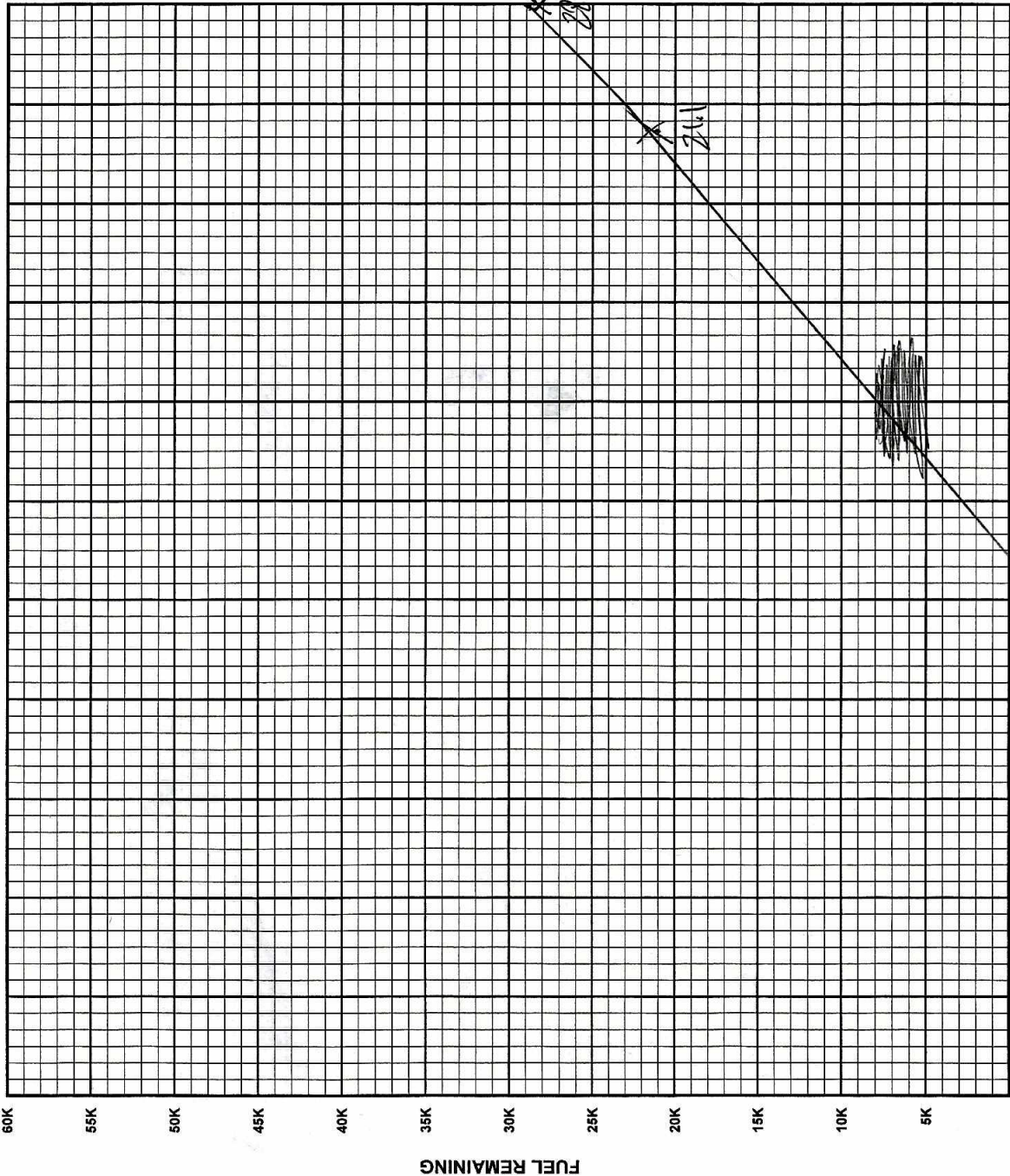
FLT ID: 050830H		TIME OFF: 1645 Z		TIME ON: 2006 Z	
A/C - Takeoff		WX Station - Takeoff		A/C - Land	
Pressure		1012.5		29.93	
		1011.0		29.90	
ATIS - Takeoff					
ATIS - Land					
Data Source	Number	Data Disposition / Date / Quality			
Flight Level Tapes	2				
Radar Tapes	1				
Cloud Physics Tapes / Cds	0				
Video Tapes					
Dropsondes	1	Good:	1	Bad:	Total:
AXBT					
AXCP					
AXCTD					
SONOBUOY					
REMARKS:					
2830 8430 					

[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



FUEL REMAINING

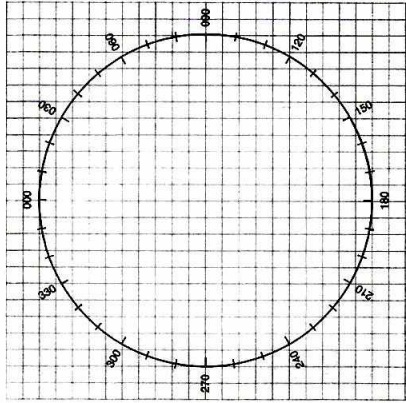
ENROUTE FUEL	
ENROUTE TIME	4:00
ENROUTE FUEL (6K 5K 4 5K RULE)	21.0
RESERVE AT DESTINATION	8.0
REQUIRED RAMP	29.0
ACTUAL RAMP FUEL	28.2

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				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	
				HG/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	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
1700	230	105	X	20	276
			X		258

