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

Flt ID: 050429I	From: KmGf	To: KHSA
Flt. No: 05 - 011	Blk In: 1750 z	Time On: 1743 z
ETD: 1600 z	Blk Out: 1550 z	Time Off: 1559 z
ETE: 1 + 30 (1730)	Blk Time: 2 + 00 (2.0) Hrs	Flt Time: 1 + 44 (1.7) Hrs
Sponsoring Org: NOAA/AOC Publ. Affairs	Program: Extreme Weather Tour	Purpose: Show + Tell

AOC Flight Crew

Aircraft Commander: Tchesi	Data System: Lynch
Co-Pilot: Silah /	AVAPS: Tong
Navigator: Gallagher /	System Eng:
Flight Eng: Klippel / Bast	A A:
Flight Director: Mayeaux /	A A:
Avionics:	Crew Chief: Mitchell

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Kozak	obs	AOC
Mcfadden	obs	AOC
Bast	obs	AOC
Fox	obs	AOC

Remarks (Storm Name, Mission ID, Recco Times, Fix Times) *Recco Times* *Fix #* *Fix Time*

Storm Name:

Mission ID:

Penetration number and time

(See reverse for additional remarks)

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

Flight ID: 050429I	Time Off: 1559 Z	Time On: 1743 Z

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	N/A mb	3008 mb	N/A mb	2993 mb

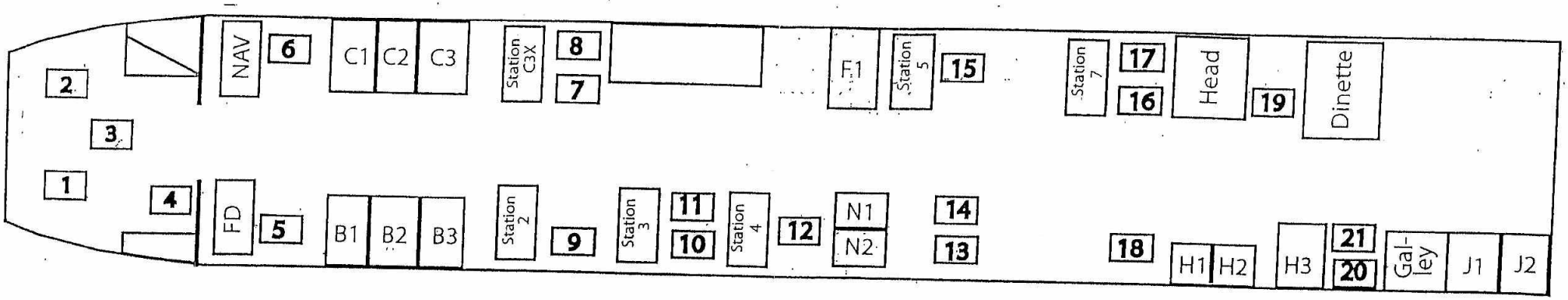
ATIS	Time	Observation
Takeoff	1355Z	15009KT SKC Z4/18 3008
Land	1727Z	18011KT 10sm few029 Sct034 Bkn044 21/21 A2993

	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Dropsondes		Good: Bad:
AXBT		
AXCP		
AXCTD		

Remarks:

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 050429I



1. Silah, M — PILOT
2. Tebeest, R — COPILOT
3. Kliffel, J — FLIGHT ENGINEER
4. Kozak, S — STATION 1
5. Mayeaux, M — FLIGHT DIRECTOR
6. ~~Brooks, D~~ Callagher, T — NAVIGATOR
7. _____ — STATION C3X
8. Fox, D — STATION C3X
9. _____ — STATION 2
10. Bast, C — STATION 3
11. Bast, C — STATION 3
12. Lynch, J — STATION 4
13. _____ — PROJECT SEAT
14. _____ — PROJECT SEAT
15. Tong, R — STATION 5
16. _____ — STATION 7
17. McFadden, J — STATION 7
18. Mitchell, R — STATION 8
19. _____ — DINETTE
20. _____ — GALLEY
21. _____ — GALLEY

NOAA FORM 56-49
(2-95)

MISSION PREFLIGHT LOG

DESTINATION	MISSION	NAVIGATOR	AIRCRAFT COMMANDER	FLIGHT DIRECTOR	SCHEDULED / ACTUAL TAKEOFF Z	DATE OF TAKEOFF
KMCF	HRT 2005 PT 1	LT GALLAGHER	LCDR TEBEST	MAYEAUX	1600Z	29 AUG 05

WP	N W LAT / LON	RTE	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA	REMARKS
KMCF	27-51.0 082-31.3	D													1600			MacDILL AFB
KGMIS	27-53.0 085-15.5	↓	276	5W	271	—	271	290	L	U	FL200	290	146 146	+30 +30	1630	1629	1636	1636
KPZZI	28-18.9 086-42.3	Q100	291	2W	289	—	289						81 227	+17 +47	1647	1646	1653	
KCEDR	28-53.0 088-42.1	↓	290	2W	288	—	288						111 338	+23 1+10	1710	1709	1715	
KHSA	30-22.1 089-27.3	D	336	0W	336	—	336						97 435	+20 1+30	1730	1729		STENNIS INTL
KHSA	30-22.1 089-27.3														1300	1311		
KCEDR	28-53.0 088-42.1		156	0W	156	—	156	300	L	U	FL210	300	97 97	+20 +20	1320	1331		
KPZZI	28-18.9 086-42.3		108	1W	107	—	107						111 208	+22 +42	1342	1353		
KGMIS	27-53.0 085-15.5		110	2W	108	—	108						289	+18 +58	1358	1409		
KLOND	27-54.9 083-09.3		091	2W	089	—	089						412	+23 1+21	1421	1432		
KMCF	27-51.7 082-30.8		099	4W	095	—	095						435	+07 1+28	1428	1439	1437	

INS PERFORMANCE

	INS 1	INS 2
BEGIN ALIGN TIME	1513	1513
ALIGN STATUS (0-5)	0	0
END NAV TIME	1753	1753
START NAV TIME	1542	1542
DELTA T	2+11	2+11

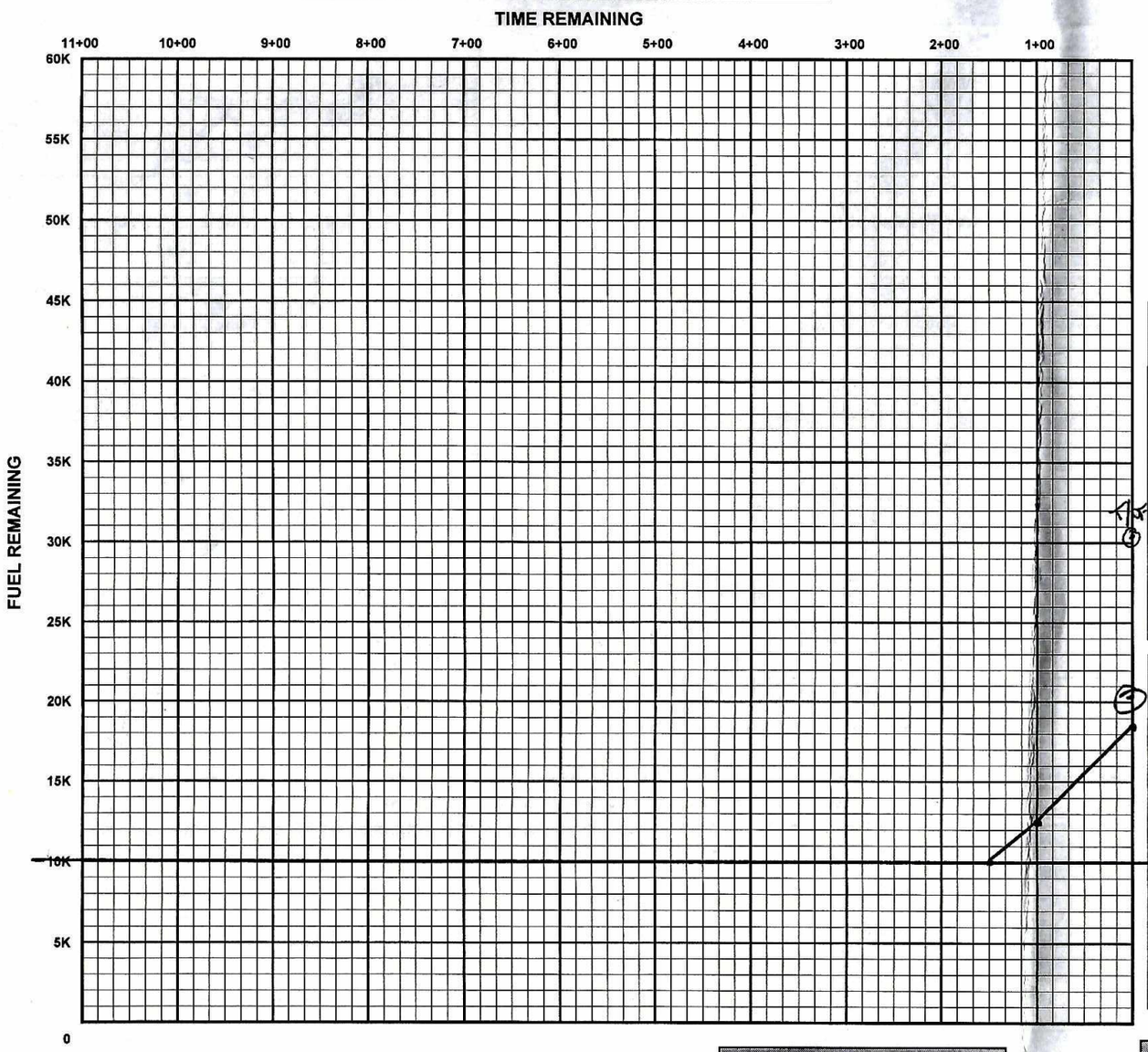
TERMINAL ERRORS

	INS 1	INS 2
DELTA LAT	-2.5	-.2
DELTA LON	+.5	+.4
RGS		
RADIAL ERROR		.

REMARKS

2994 Rwy 22

RANGE CONTROL GRAPH



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

ENROUTE FUEL	
ENROUTE TIME	1+30
ENROUTE FUEL (6K, 5K 4.5K RULE)	8.5
RESERVE AT DESTINATION	10.0
REQUIRED RAMP	18.5
ACTUAL RAMP FUEL	20.4 20.1

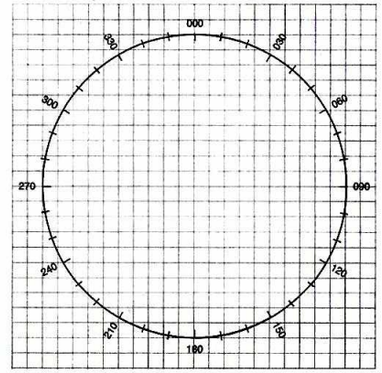
TACTICAL (OFFSTA TO DESTINATION)	4 ENG	3 ENG
DISTANCE (OFFSTA TO DEST)		
ENROUTE TIME (OFFSTA TO DEST)		
BURN RATE (LBS/HR)	4500	5500
ENROUTE FUEL REQUIRED		
RESERVE AT DESTINATION		
FUEL AT OFFSTA		

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	INS1	INS2	WET
COMPASS TYPE			
MCH (READING)			
- MTH (SEXTANT)			
CE			
- VAR			
DEV			

CEX - ERB METHOD	INS1	INS2	WET
COMPASS TYPE			
MERB (D/AL 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	



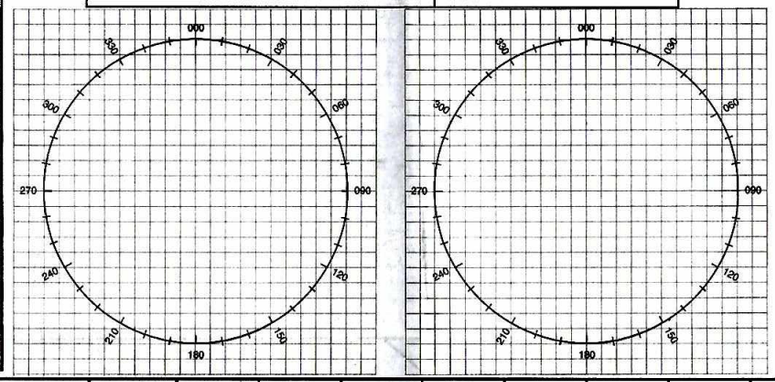
WIND FACTOR		
WINDSPEED	HEADWIND	TAILWIND
10	1.03	.97
20	1.06	.94
30	1.10	.92
40	1.14	.89
50	1.18	.87
60	1.22	.85

"F" 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	TAS	ITAS
1630	235	FL200	—	235	0	324	323
1635	235	FL240		235	-6	326	325

CLEARANCES			
FREQ	ALT	HDG	OTHER
119.65	16000	190	HSA AS FILED
			EXPD FL200 2332

MISSION LOG PAGE ___ OF ___



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 _____
- 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
1546	CNG																				
1550	TAK																				
1550	BLK																				
1559	OFF																				
1600		27-41.1 082-33.5	27-41.1 082-33.3	—	27-41.1 082-33.4	—	277	3W	274	1L	274	300	283	20	FL200	325	RGM	140	+36	1636	
1700		28-32.7 087-25.2	28-31.8 087-25.5	-11 -3	28-30.2 087-25.2	—	285	0	285	2L	287	300	262	30	FL200	325	TBN	58	+15	1715	
1744	LAND	30-22.7 089-27.1	30-25.2 089-26.6	-2.5 +.5	30-22.9 089-26.7	-.2 +.4															

MISSION LOG	PAGE ___ OF ___	4	FIX TYPES (G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

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
1255	GPS																				
1257	TRK																				
1310	TRK OFF																				
1315	⚠	29-20.1 088-57.0	29-20.4 088-56.6		29-19.8 088-56.9		168	—	164	10L	154	325	267	57	FL210	313	RGMN	93	+20	1335	
1437	LAND	27-51.0 082-79.6	27-53.8 082-78.3	-2.8 +1.3	27-50.5 082-79.2	+.5 +.4															
1447																					