FLT ID: 981104I	FM: KMCF	TO: KMCF
FLT NO: 99-02	BLK IN: 0657Z	ATA: 0648
ETD: 2230Z	BLK OUT: 2209Z	ATD: 2218
ETE: 8.5	BLK TIME: 8:48 (8.8)	FLT TIME: 8:29 (8.5)
SPONSOR ORG: NHC	PROGRAM: RECCO	PURPOSE: T.S. MICH

OAO PERSONNEL

AC McKim	SYS ENG Lynch ✓
CP O'Marx	DATA SYS McDonough
NAV Strong	RADAR Carpenter
FE Moore ✓	BT/ODW
RADIO Sans, Soucy ✓	CLD PHYS Seem, S. ✓
FD Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Dyke, D. ✓		
Dowling, P. ✓		

20212
11014
21120
29.78
1007.8

20.7
19.4
1006.9
80/9
SP1007
at 1.5K
SP1007.5
Em1K
SP1007
1.5K
SP1006.8
Em5.5
SP1.5K
1002.5
WS 1002.7

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

NOAA3 00,06Z MITCH 2313A 00Z EB 24R85W.
24.55N, 84°58'W 996 2330Z
24.52N, 84°33'W 996 0120Z
24°39'N, 83°58'W 99.5 0251Z
25°05'N, 83°38'W 994 0428Z
25°11'N, 83°22'W 993. 0553Z

NOAA FORM 59–4
(2–72)

981004I T.S. Mitch Recco

Time	LAT	LON	TK	WD	WS	PA	GA	TA	TD	SP	PS	DD			
2209	2751	8229.6				52		20.5	19.3		1007		BLK		
2221	27436	8233.8	196	42	16.5	853	841	16.4	15.6	1007.9	910.9	20	9		
223545	2710	8329	226	170	23	4159	4293	1.0	0.8	1001.9	599				
2246	2641	8359	224	154	30	4330	4464	1.2	2.9	998.7	590.2	—			
2330	2455	8458						23		996		9			
2349	2409	8405	135	172	24	526	406	25.1	23.4	996	951	SE OF CENTER			
000830	2337	8324	350	179	39	527	418	25.3	21.6	997	952				
0049	2615	8305	9	60	41	551	417	18.4	17.6	1003	948				
0120Z	2452	8433								996		9			
0140	2354	8528		001	058										
020330	2334	8433	89	266	32	538	406	24.5	23.3	995	949		0251	2459	9
035630	2357	8452	39	357	61	533	431	21.4	19.2	999	952		8358	995	
0428	2505	8338								994		9			
045715	2601	8246.7	279	68	89	575	457	19.6	18.7	999	948				
052215	2627	8431	285	40	39	539	470	20.1	16.6	1003	950				
054045	2546	8356	137	24	52	536	434	19.3	17.7	999	950				
0553	2511	8322	347	17	24	1582	[illegible]	16.3	[illegible]	993		9			
062915	2706	8256	23	75	30	1581	1554	14.2	14.2	1002.7	837				

981104I 1NC-1 REDAN

221900	0.1	0.0	50.1	32.1
~~011000~~	~~-0.1~~	~~0.4~~	~~26.6~~	~~07.5~~
014000	+0.2	-0.4	54.0	28.5
0220	+0.2	+0.6	36.7	23.0
0305	1.4	-0.6	35.2	35.8
0345	+1.1	+0.7	34.0	07.3
0435	+3.3	-1.3	21.4	15.2
0500	+2.7	0.0	03.8	58.4
0600	+4.5	-2.2	30.0	23.6
0620	+4.3	-0.8	36.1	12.7
(10) 0657	+6.0	-0.7	50.9	29.5

Fixed PA159 w/ PA232 at start, end of 1st.

~~April 1 Thursday~~. ~~10:15~~. ~~12:45~~. ~~40 Kills~~

DATE	SCHEDULED RX TIME	AIRCRAFT NUMBER	ARWO

WX MISSION IDENTIFICATION | OB 9

(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE

A	04/2330 Z	DATE AND TIME OF FIX
	24 DEG 55 MIN (N) S	LATITUDE OF VORTEX FIX
B	84 DEG 58 MIN E (W)	LONGITUDE OF VORTEX FIX
C	NA MB NA M	MINIMUM HEIGHT AT STANDARD LEVEL
D	30 KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED
E	005 DEG 20 NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND
F	035 DEG 47 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER
G	005 DEG 20 NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND
H	996 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.
I	24 C/ 524 M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE
J	24 C/ 526 M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE
K	22 C/ 26 C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE
L	POORLY DEFINED	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.
M	NA	EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C -Circular; CO - Concentric; E- Elliptical. Transmit orientation of major axis in tens of degree, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. *Examples*: C8 - Circular eye 8 miles in diameter. EO9/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.
N	24 DEG 55 MIN (N) S 84 DEG 58 MIN E (W) 04/2330 Z	CONFIRMATION OF FIX: Coordinates and time
O	1, 3, 4 / 1	FIX DETERMINED BY/FIX LEVEL. FIX DETERMINED BY: 1 - Penetration; 2 - Radar; 3 - Wind; 4 - Pressure; 5 - Temperature. FIX LEVEL (Indicate surface center if visible; indicate both surface and flight level centers only when same): 0 - Surface; 1 - 1500ft; 9-925mb; 8 - 850 mb; 7 - 700 mb; 6 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; NA - Other.
P	1 / 10 NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY

Q REMARKS

MAX FL WIND 47 KT N QUAD 2309Z Z

SLP EXTRAP FROM (1500 FT/ 925 MB/ 850 MB/ DROPSONDE)

SFC CNTR _____/_____NM FROM FL CNTR

MAX FL TEMP _____C _____/_____NM FROM FL CNTR

BROAD SURFACE CALM 5 OF CENTER. BROAD REGION LIGHT SW FLD LVL WIND SE OF CENTER

INSTRUCTIONS: Items A through G (and H when extrapolated) are transmitted from the aircraft immediately following the fix. remainder of the message is transmitted as soon as available for scheduled fixes and at the ARWO's discretion for cheduled (intermediate) fixes.

CA.

XMT(TBT) 23:50

DATE	SCHEDULED RX TIME	AIRCRAFT NUMBER	ARWO

WX MISSION IDENTIFICATION	OB

(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE

A	05/0120 Z	DATE AND TIME OF FIX
B	24 DEG 52 MIN (N) S	LATITUDE OF VORTEX FIX
	84 DEG 33 MIN E (W)	LONGITUDE OF VORTEX FIX
C	NA MB NA M	MINIMUM HEIGHT AT STANDARD LEVEL
D	NA KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED
E	NA DEG NA NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND
F	55 DEG 53 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER
G	035 DEG 51 NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND
H	E 996 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.
I	20 C/ 552 M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE
J	23 C/ 541 M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE
K	22 C/ 26.5 C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE
L	POORLY DEFINED	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.
M	NA	EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C -Circular; CO - Concentric; E- Elliptical. Transmit orientation of major axis in tens of degree, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. *Examples*: C8 - Circular eye 8 miles in diameter. EO9/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.
N	24 DEG 52 MIN (N) S	CONFIRMATION OF FIX: Coordinates and time
	84 DEG 33 MIN E (W)	
	05/0120 Z	
O	1, 3, 4, 5/ 1	FIX DETERMINED BY/FIX LEVEL. FIX DETERMINED BY: 1 - Penetration; 2 - Radar; 3 - Wind; 4 - Pressure; 5 - Temperature. FIX LEVEL (Indicate surface center if visible; indicate both surface and flight level centers only when same): 0 - Surface; 1 - 1500ft; 9-925mb; 8 - 850 mb; 7 - 700 mb; 6 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; NA - Other.
P	1 / 10 NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY

Q REMARKS

MAX FL WIND 53 KT NE QUAD 0108Z Z

SLP EXTRAP FROM (1500 FT/ 925 MB/ 850 MB/ DROPSONDE)

SFC CNTR ____/____ NM FROM FL CNTR

MAX FL TEMP ____C____/____NM FROM FL CNTR

NE/SW WIND SHIFT LINE BETWEEN 24°58'N, 84°26'W AND 24°40'N, 84°41'W ORIENTED

STRUCTIONS: Items A through G (and H when extrapolated) are transmitted from the aircraft immediately following the fix. remainder of the message is transmitted as soon as available for scheduled fixes and at the ARWO's discretion for cheduled (intermediate) fixes.

DATE	SCHEDULED RX TIME	AIRCRAFT NUMBER	ARWO

WX MISSION IDENTIFICATION | OB 11

(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE

A	05/0251 Z		DATE AND TIME OF FIX
	24 DEG 59 MIN (N) S		LATITUDE OF VORTEX FIX
B	83 DEG 58 MIN E (W)		LONGITUDE OF VORTEX FIX
C	NA MB NA M		MINIMUM HEIGHT AT STANDARD LEVEL
D	NA KT		ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED
E	NA DEG NA NM		BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND
F	185 DEG 51 KT		MAXIMUM FLIGHT LEVEL WIND NEAR CENTER
G	150 DEG 75 NM		BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND
H	995 MB		MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.
I	23 C/ 575 M		MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE
J	23 C/ 578 M		MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE
K	21 C/ 26 C		DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE
L	POORLY DEFINED		EYE CHARACTER: Closed wall, poorly defined, open SW, etc.
M	NA		EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C -Circular; CO - Concentric; E- Elliptical. Transmit orientation of major axis in tens of degree, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. *Examples*: C8 - Circular eye 8 miles in diameter. EO9/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.
N	24 DEG 59 MIN (N) S 83 DEG 58 MIN E (W) 05/0251 Z		CONFIRMATION OF FIX: Coordinates and time
O	1,3,4 / 1		FIX DETERMINED BY/FIX LEVEL. FIX DETERMINED BY: 1 - Penetration; 2 - Radar; 3 - Wind; 4 - Pressure; 5 - Temperature. FIX LEVEL (Indicate surface center if visible; indicate both surface and flight level centers only when same): 0 - Surface; 1 - 1500ft; 9-925mb; 8 - 850 mb; 7 - 700 mb; 6 - 600 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; NA - Other.
P	1 / 10 NM		NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY
Q	REMARKS		

MAX FL WIND 53 KT NE QUAD 0108 Z

SLP EXTRAP FROM (1500 FT) 925 MB/ 850 MB/ DROPSONDE)

SFC CNTR _____/_____NM FROM FL CNTR

MAX FL TEMP _____C_____/_____NM FROM FL CNTR

STRUCTIONS: Items A through G (and H when extrapolated) are transmitted from the aircraft immediately following the fix. e remainder of the message is transmitted as soon as available for scheduled fixes and at the ARWO's discretion for scheduled (intermediate) fixes.

OB 01

DATE	SCHEDULED FIX TIME	AIRCRAFT NUMBER	ARWO

WX MISSION IDENTIFICATION | OB 14

(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE

A	05/0428 Z	DATE AND TIME OF FIX
B	25 DEG 05 MIN (N) S	LATITUDE OF VORTEX FIX
	83 DEG 38 MIN E (W)	LONGITUDE OF VORTEX FIX
C	NA MB NA M	MINIMUM HEIGHT AT STANDARD LEVEL
D	NA KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED
E	NA DEG NA NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND
F	360 DEG 63 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER
G	225 DEG 90 NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND
H	994 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.
I	24 C/ 542 M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE
J	24 C/ 539 M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE
K	22 C/ NA C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE
L	POORLY DEFINED	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.
M	NA	EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C -Circular; CO - Concentric; E- Elliptical. Transmit orientation of major axis in tens of degree, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. *Examples*: C8 - Circular eye 8 miles in diameter. EO9/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.
N	25 DEG 05 MIN (N) S 83 DEG 38 MIN E (W) 05/0428 Z	CONFIRMATION OF FIX: Coordinates and time
O	134 / 1	FIX DETERMINED BY/FIX LEVEL. FIX DETERMINED BY: 1 - Penetration; 2 - Radar; 3 - Wind; 4 - Pressure; 5 - Temperature. FIX LEVEL (Indicate surface center if visible; indicate both surface and flight level centers only when same): 0 - Surface; 1 - 1500ft; 9-925mb; 8 - 850 mb; 7 - 700 mb; 6 - 600 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; NA - Other.
P	1 / 8 NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY

Q REMARKS

MAX FL WIND 63 KT SW QUAD 0403 Z

SLP EXTRAP FROM (1500 FT) 925 MB/ 850 MB/ DROPSONDE)

SFC CNTR _____/_____NM FROM FL CNTR

MAX FL TEMP _____C_____/_____NM FROM FL CNTR

POSSIBLE HOOK FEATURE IN RADIOBAND AT 24 30'N, 83° 30'W AT 0415Z

INSTRUCTIONS: Items A through G (and H when extrapolated) are transmitted from the aircraft immediately following the fix. The remainder of the message is transmitted as soon as available for scheduled fixes and at the ARWO's discretion for unscheduled (intermediate) fixes.

0437

DATE	SCHEDULED RX TIME	AIRCRAFT NUMBER	ARWO

WX MISSION IDENTIFICATION

OB 17

(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE

A	05/0553 Z		DATE AND TIME OF FIX
	25 DEG 11 MIN (N) S		LATITUDE OF VORTEX FIX
B	83 DEG 22 MIN E (W)		LONGITUDE OF VORTEX FIX
C	NA MB NA M		MINIMUM HEIGHT AT STANDARD LEVEL
D	NA KT		ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED
E	NA DEG NA NM		BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND
F	20 DEG 59 KT		MAXIMUM FLIGHT LEVEL WIND NEAR CENTER
G	315 DEG 36 NM		BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND
H	993 MB		MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.
I	20 C/ 534 M		MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE
J	24 C/ 592 M		MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE
K	21 C/ NA C		DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE
L	POORLY DEFINED		EYE CHARACTER: Closed wall, poorly defined, open SW, etc.
M	NA		EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C -Circular; CO - Concentric; E- Elliptical. Transmit orientation of major axis in tens of degree, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. *Examples*: C8 - Circular eye 8 miles in diameter. EO9/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.
N	25 DEG 11 MIN (N) S 83 DEG 22 MIN E (W) 05/0553 Z		CONFIRMATION OF FIX: Coordinates and time
O	1345/ 1		FIX DETERMINED BY/FIX LEVEL. FIX DETERMINED BY: 1 - Penetration; 2 - Radar; 3 - Wind; 4 - Pressure; 5 - Temperature. FIX LEVEL (Indicate surface center if visible; indicate both surface and flight level centers only when same): 0 - Surface; 1 - 1500ft; 9-925mb; 8 - 850 mb; 7 - 700 mb; 6 - 600 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; NA - Other.
P	1 / 6 NM		NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY

Q REMARKS

MAX FL WIND 63 KT SW QUAD 0403 Z

SLP EXTRAP FROM (1500 FT/ 925 MB/ 850 MB/ DROPSONDE)

SFC CNTR _____/_____NM FROM FL CNTR

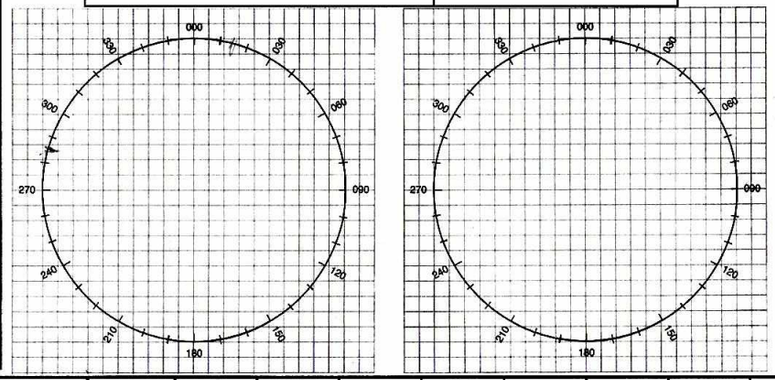
MAX FL TEMP _____C_____/_____NM FROM FL CNTR WITHIN 50 NMI NW

REG'DN OF MODERATE RAINBANDS, NOD TOAB NE OF CENTER.

STRUCTIONS: Items A through G (and H when extrapolated) are transmitted from the aircraft immediately following the fix. e remainder of the message is transmitted as soon as available for scheduled fixes and at the ARWO's discretion for cheduled (intermediate) fixes.

CLEARANCES			
FREQ	ALT	HDG	OTHER

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
2330	G	24-55 84-58																			9 miles
2335	G	24-48.2 84-44.5	24-48.4 84-44.4	-.2 +.1	24-47.7 84-45.0	+.5 -.5															10
0118	G	24-57.9 84-25.7																			WARM FNT
0251	G	25-00 83-58																			
0428	G	25-04.6 83-38.2																			9
0551	G	25-19 83-25																			
0553	G	25-11 83-22																			
0658	G	27-51.0 82-29.6	27-44.9 82-30.3	+6.1 -.7	27-43.9 82-33.9	+7.0 -4.3															

NOAA FORM 56-49
(2-95)

MISSION PREFLIGHT LOG

DESTINATION	MISSION	NAVIGATOR	AIRCRAFT COMMANDER	FLIGHT DIRECTOR	SCHEDULED / ACTUAL TAKEOFF Z	DATE OF TAKEOFF
MCF	MITCH	STRONG	MCKIM	PARRISH	2230 / 2218	11/4/98

OUT	2209
OFF	2218
ON	0648
ON	0657

WP	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
1) SRQ	27-23.9 82-33.3							R20					17 17	+05 +05	2223			
2) MINNOW	26-02.8 85-59.0							250					205 223	749 +54	2312			
3) HIP	25-15 86-20							↓					51 273	+12 1+06	2324	2209		2303 2231 34
4) G	24 N 85 W												105 378	+25 1+31	2349			2305 25
0251																		

INS PERFORMANCE	INS 1	INS 2
BEGIN ALIGN TIME	2027	2027
ALIGN STATUS (0-5)	1	0
END NAV TIME	30 0658	0658
START NAV TIME	2200	2200
DELTA T	458	458

TERMINAL ERRORS	INS 1	INS 2
DELTA LAT	+6.1	+7.0
DELTA LON	-.7	-4.3
RGS	6	8
RADIAL ERROR	6	9.

REMARKS
CAF MCF
L 190
↱ 1.6
exp 14.0 +10
119.65 4622

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
AIRCRAFT OPERATIONS CENTER