

DATE : 11 July 96

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft

ON 1343Z BLOCKTIME

24312F

OFF 0339Z 10.1

SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: Hurricane Bertha RECCO

Hazardous Duty Pay is required for flight made on 10 July 96
(DATE)

Request based on penetration of hurricane
rainbands, eyewalls.

Personnel on board authorized Hazard Pay:

Moore, H.

Parrish, J.

Czyzyk, S.

Lynch, T.

Barr, J.

Ottutt, D.

Carpenter, D.

PILOT/FLIGHT DIRECTOR:

APPROVED: X

DISAPPROVED:

for CHIEF, AOC FLIGHT OPERATIONS:

NOAA • AOC • SED Flight Performance Log

Aircraft : N43RF

Project: Hurricane '96

Mission : BarthaSED Crew: Lynch, Barr, Hall, Carpenter, OffuttFlight ID : 960710IPre-Flight: 10:30 ZTake-Off: 03:50Landing: 13:30

System			Pre-Flight	In-Flight	Post-Flight		
N A V	INE #1	Aligned to :	✓ TL		-4.7	+7.8	4
	INE #2	Aligned to :	✓ TL		-10.1	+6.5	4
	GPS		✓ TL		Lat	Long	GS
R A D A R	Nose		✓ TL				
	L/F	R/T SN : 103	JMB		Mod Switch Off ? JMB		
	Tail	R&T SN : /	JMB		Mod Switch Off ? JMB		
	ASAU's & RCU		JMB ④				
	MARS Data System		JMB ⑤		# DATs : 2		
P M S	2DG-C	Ch 1/64: /	NI				
	2DG-P	Ch 1/64: /					
	FSSP	Ref VDC:	↓				
	SEA Data System		NI		# DATs :		
T E M P		Cal High	Cal Low		Cal High	Cal Low	
	Temp #1	30.7	-30.3	✓ TL		+30.2	-30.2
	Temp #2			✓ TL			
	Temp #3	(Starboard)		NI			
	Dewpoint #1			✓ TL			
P R E S S	Dewpoint #2		✓ TL				
	Attack Angle (AP/DAP)		✓ TL				
	Slip Angle (BP/DBP)		✓ TL				
	Differential (PQ1/PQ2/PQ3)		✓ TL				
	Absolute (PS1/PS2)		✓ TL				
F L T L V L	Radome Transducers		Plugs Out ? ① ✓ TL				
	Cabin Transducer (Station 5)		✓ TL				
	Apn-159	SN: 71-1	✓ TL			OFF	
M I S C	Apn-232	SN: 17601	✓ TL			OFF	
	King Liquid Water		NI				
	J&W Liquid Water		✓ TL				
	Down PRT-5 (SST)		✓ TL				
	Side PRT-5 (CO ²)		NI				
U S E R	RAMS Data System		✓ TL	①		# DATs : ①	
	ASDL						
	Exterior Walk Around		✓ TL				
	Video	N L R D					
	AXBT		# on Board ②	# Dropped:	# Good ②		
U S E R	ODW		# on Board : ②	# Dropped :	# Good : ②		
	FCU	A B C	✓ TL				
	Charge Probe		NI		Accelerometers		
	Formvar		NI		#1 (2 G) :	8153	
	Field Mills	L R U D			#2 (2.5 G) :	6682	
U S E R	Lawrence Water Collector		NI		#3 (3 G) :	5967	
	HRD Workstation		NI		#4 (3.5 G) :	2892	

Please Note any Discrepancies

[illegible]

CALC@ DHC. DATA-GOV

960710 H. Bertha Decco

033921 Start Time 134230 - End Time

IDE1 - Jump in IDE2

035100	-0.1	0.0	51.4	30.8	51.4	30.8
044500	-0.4	+ -0.7	29.4	24.0	29.2	24.1
052930	-1.2	-1.3	45.6	14.3	45.6	14.4
061500	-2.1	-1.5	43.3	12.6	43.3	12.6
070030	-3.0	+ -2.1	54.1	06.3	54.1	06.3
074430	-3.7	-2.3	52.4	18.7	52.4	18.7
083000	-4.7	-3.6	12.3	39.2	12.3	39.2
091430	-5.1	+ -3.5	17.4	01.6	17.4	01.6
100000	-5.6	-5.5	40.4	28.0	40.4	28.0
104500	-5.5	-5.3	31.5	49.9	31.5	49.9
113000	-5.3	-7.2	24.1	13.1	24.1	13.1
121530	-4.9	+ -6.7	23.1	30.9	23.1	30.9
125930	-4.7	-8.8	48.6	00.4	48.6	00.4
(14) 134230	-4.7	-8.1	51.0	29.6	51.0	29.6

960710I N43RF H. BERTHA RECCO

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	2
Dew Point Probe	1
Altimeter	APN-159
Altitude change option (for vertical winds)	RA
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3962.CON

Notes:

INE 1 positions were corrected periodically with good GPS positions. No corrections were made to groundspeeds.

There were a number of data system shutdown periods, between 034141-034210, 035400-035530, 0410-041330, 043550-043610, 050720-051040, 063730-063900, 065800-065930, 073610-073630, 073650-073710, and 120500-120520Z.

This flight featured 5 center fixes, at approximately 0558Z, 0726Z, 0848Z, 1011Z, and 1154Z.

Special note. Locations 80, 81 and 82 of the Type 5 record on the Standard Tape contain vertical groundspeed, vertical airspeed and vertical wind, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Jack Parrish, Flight Director

DATE <u>July 96</u>		SCHEDULED FIX TIME <u>06Z</u>		AIRCRAFT NUMBER <u>N43AF</u>		ARWO <u>Parrish</u>	
MANOP HEADING (PRECEDENCE IMMEDIATE)							
MISSION IDENTIFIER AND OBSERVATION NUMBER <u>NOAA3 0802A BEATHA</u>							
(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE							
A	<u>10/0558</u>		Z	DATE AND TIME OF FIX			
B	<u>24 DEG 29 MIN N S</u>			LATITUDE OF VORTEX FIX *			
	<u>73 DEG 59 MIN E W</u>			LONGITUDE OF VORTEX FIX *			
C	<u>850 MB 1155</u>		M	MINIMUM HEIGHT AT STANDARD LEVEL			
D	<u>N/A</u>		KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED			
E	<u>N/A DEG N/A</u>		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND			
F	<u>060 DEG 80</u>		KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER			
G	<u>320 DEG 40</u>		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND			
H	<u>E 970</u>		MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM WITHIN 1500 FT OF SEA SURFACE			
I	<u>20.0/1510</u>		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE			
J	<u>24.0/1520</u>		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE			
K	<u>20.0 C/ N/A</u>		C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE			
L	<u>OPEN SE</u>			EYE CHARACTER: Closed wall, poorly defined, open SW, etc.			
M	<u>CO, 20-85</u>			EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of major axis in tens of degrees, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. Examples: C8 - Circular eye 8 miles in diameter. E09/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5 NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.			
N	<u>24 DEG 29 MIN N S</u>			CONFIRMATION OF FIX: Coordinates and Time *			
	<u>73 DEG 59 MIN E W</u>						
	<u>0558</u>		Z				
O	<u>1,2,3,4,5/8</u>			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 - 1500 ft; 8 - 850 mb; 7 - 700 mb; 5 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; 9 - Other.			
P	<u>3 / 4</u>		NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY			
Q	REMARKS <u>PRESS EXTRAP FM 5,000 FT.</u> <u>MAX FLT LVL WIND IN OUTER CONCENTRIC EYEWALL.</u> <u>PEAK FLT LVL WIND AT 0548Z NW QUADRANT.</u>						

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.

* CHECK SUM REQUIRED IN WESTPAC.

DATE 10 July 96		SCHEDULED FIX TIME		AIRCRAFT NUMBER N43RF		ARWO Parrish	
MANOP HEADING (PRECEDENCE IMMEDIATE)							
MISSION IDENTIFIER AND OBSERVATION NUMBER N0AA3 08024 BEATHA							
(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE							
A	10/ 0726		Z	DATE AND TIME OF FIX			
B	24 DEG 47 MIN (N) S			LATITUDE OF VORTEX FIX *			
	74 DEG 18 MIN E (W)			LONGITUDE OF VORTEX FIX *			
C	850 MB 1153		M	MINIMUM HEIGHT AT STANDARD LEVEL			
D	N/A		KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED			
E	N/A DEG N/A		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND			
F	130 DEG 99		KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER			
G	60 DEG 40		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND			
H	E 970		MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM WITHIN 1500 FT OF SEA SURFACE			
I	20.0c/ 1510		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE			
J	22.0c/ 1511		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE			
K	20.0c/ N/A		C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE			
L	OPEN S			EYE CHARACTER: Closed wall, poorly defined, open SW, etc.			
M	CO 15 - 70			EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of major axis in tens of degrees, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. Examples: C8 - Circular eye 8 miles in diameter. E09/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5 NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.			
N	24 DEG 47 MIN (N) S			CONFIRMATION OF FIX: Coordinates and Time *			
	74 DEG 18 MIN E (W)						
	0726		Z				
O	1,2,3,4,5/ 8			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 - 1500 ft; 8 - 850 mb; 7 - 700 mb; 5 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; 9 - Other.			
P	3 / 4		NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY			
Q	REMARKS SUR PRESS EXTRAP FM 5,000 FT. PEAK FLT LVL WIND ITEMS F & G AT 0710Z. SECOND WIND MAX NE INNER EYEWALL 140 DEG/94 KNOTS						

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.

* CHECK SUM REQUIRED IN WESTPAC.

DATE 10 July 96		SCHEDULED FIX TIME 09Z		AIRCRAFT NUMBER N43AF		ARWO Parrish	
MANOP HEADING (PRECEDENCE IMMEDIATE)							
MISSION IDENTIFIER AND OBSERVATION NUMBER NOAA3 0802A BEATNA							
(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE							
A	10/0848		Z	DATE AND TIME OF FIX			
B	25 DEG 04 MIN (N) S			LATITUDE OF VORTEX FIX *			
	74 DEG 37 MIN E (W)			LONGITUDE OF VORTEX FIX *			
C	850 MB 1145		M	MINIMUM HEIGHT AT STANDARD LEVEL			
D	N/A		KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED			
E	N/A DEG N/A		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND			
F	210 DEG 65		KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER			
G	135 DEG 40		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND			
H	E 969		MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM WITHIN 1500 FT OF SEA SURFACE			
I	20.0 C / 1518		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE			
J	23.0 C / 1520		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE			
K	20.0 C / N/A		C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE			
L	OPEN SW			EYE CHARACTER: Closed wall, poorly defined, open SW, etc.			
M	CO 15-70			EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of major axis in tens of degrees, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. Examples: C8 - Circular eye 8 miles in diameter. E09/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5 NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.			
N	25 DEG 04 MIN (N) S			CONFIRMATION OF FIX: Coordinates and Time *			
	74 DEG 37 MIN E (W)						
	0848		Z				
O	1,2,3,4,5/8			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 - 1500 ft; 8 - 850 mb; 7 - 700 mb; 5 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; 9 - Other.			
P	4 / 4		NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY			
Q	REMARKS						
PRESS EXTRAP FM 5,000 FT. SECOND WIND MAX 100 KTS EYEWALL SE SIDE 210 DEG / 63 KTS. PEAK FLT LVL WIND NE QUAD AT 0710Z 170 DEG / 7 KTS							

Lat 11.14

0436E

0430

0417

NOVAE 0805A 0805A

8480 01
0 04 25
0 31 45
2411 028

A/G
A/G A/G
20 015
04 132
E 040

50.0 1218
53.0 1250
50.0 1414
0402 0402

01-21-10

0 04 25
0 31 45
8480

1,3,3,2,8

4 4

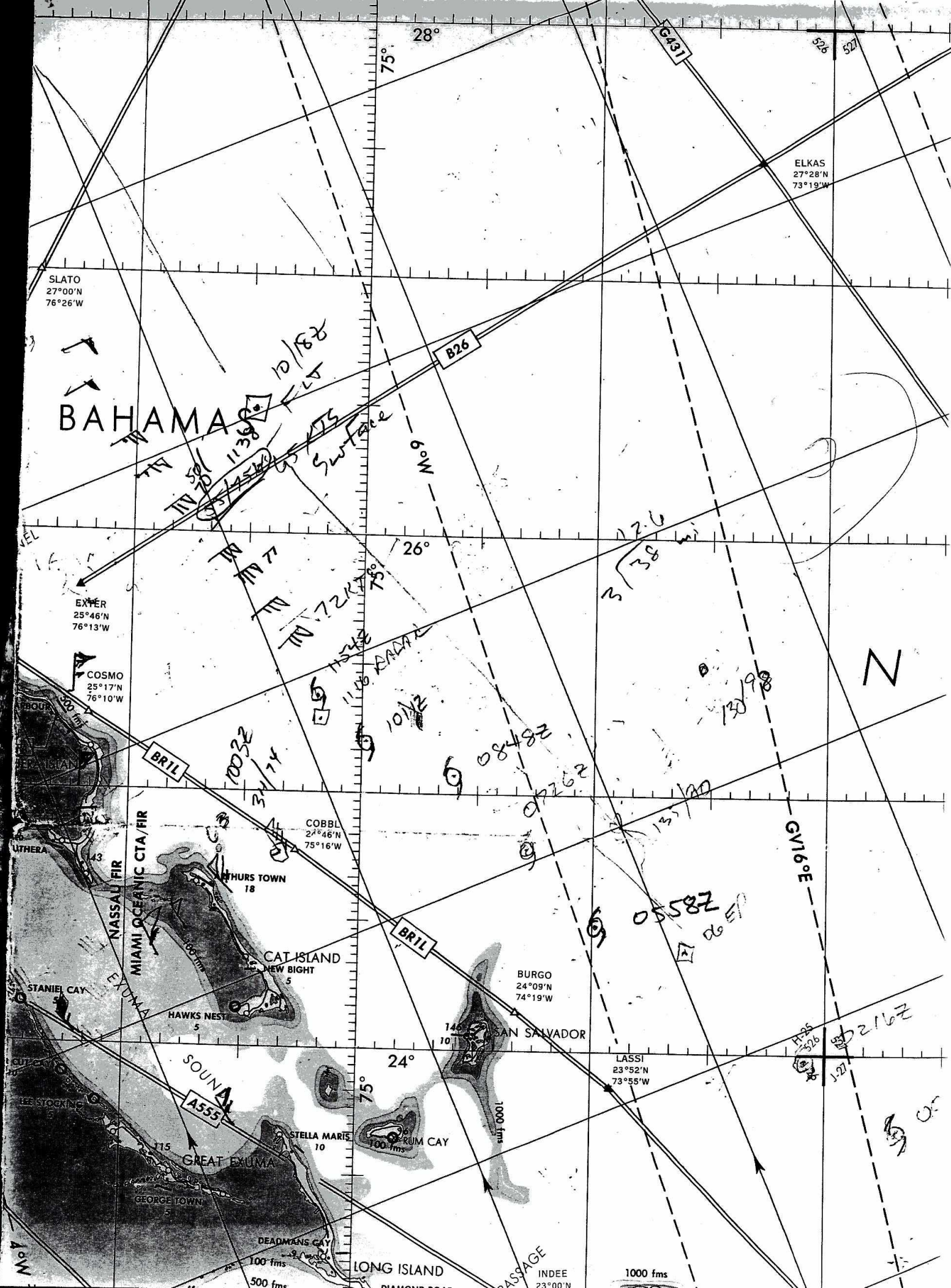
Peak return wind NE quad at 0110Z, 120 KTS
SECOND WIND MAX 1000S EVENT 2E 210Z 103 KTS.
PRESS EXTRACT FM 2,000 FT.

DATE 10 July 96		SCHEDULED FIX TIME —		AIRCRAFT NUMBER 043AF		ARWO Pattish	
MANOP HEADING (PRECEDENCE IMMEDIATE)							
MISSION IDENTIFIER AND OBSERVATION NUMBER NORR3 0802A BERTHA							
(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE							
A	10 / 10 11		Z	DATE AND TIME OF FIX			
B	25 DEG 12 MIN <u>N</u> S			LATITUDE OF VORTEX FIX *			
	74 DEG 58 MIN <u>E</u> W			LONGITUDE OF VORTEX FIX *			
C	850 MB 1130		M	MINIMUM HEIGHT AT STANDARD LEVEL			
D	N/A		KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED			
E	N/A DEG N/A		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND			
F	310 DEG 75		KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER			
G	220 DEG 34		NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND			
H	E 968		MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM WITHIN 1500 FT OF SEA SURFACE			
I	20.0C/ 1520		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE			
J	23.0C/ 1520		M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE			
K	20.5C/ 22 N/A		C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE			
L	20.5C/ 22 OPEN SE			EYE CHARACTER: Closed wall, poorly defined, open SW, etc.			
M	CO15-70			EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of major axis in tens of degrees, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. Examples: C8 - Circular eye 8 miles in diameter. E09/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5 NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.			
N	25 DEG 12 MIN <u>N</u> S			CONFIRMATION OF FIX: Coordinates and Time *			
	74 DEG 58 MIN <u>E</u> W						
	1011		Z				
O	1,2,3,4,5/8			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 - 1500 ft; 8 - 850 mb; 7 - 700 mb; 5 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; 9 - Other.			
P	4 1 5		NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY			
Q	REMARKS PRESS EXTRAP FM 5,000 FT. SECOND FLT LVL WIND MAX SW INNER EYEWALL 300 DEG/58 KTS. BROAD REGION OF 80 TO 90 KNOT FLT LVL WINDS NE OF CENTER.						
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. * CHECK SUM REQUIRED IN WESTPAC.							

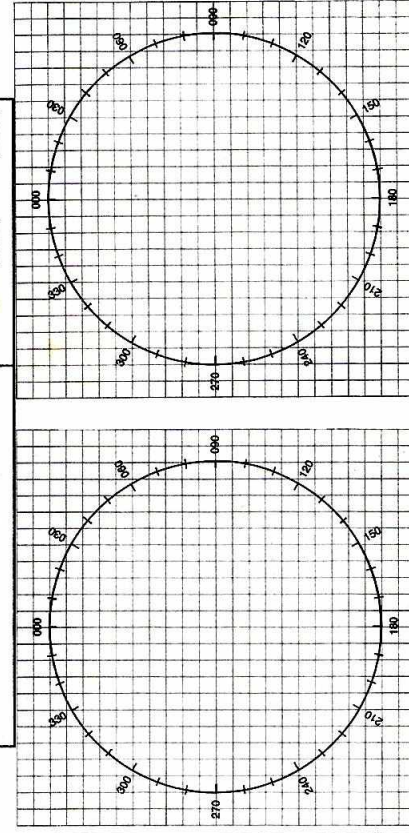
DATE 10 JUL 96		SCHEDULED FIX TIME 12Z		AIRCRAFT NUMBER 043AF		ARWO PATTISW	
MANOP HEADING (PRECEDENCE IMMEDIATE)							
MISSION IDENTIFIER AND OBSERVATION NUMBER 00AA3 0802A BERTHA							
(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE							
A	10 / 1154		Z	DATE AND TIME OF FIX			
B	25 DEG 22 MIN (N)		S	LATITUDE OF VORTEX FIX *			
B	75 DEG 12 MIN (E)		W	LONGITUDE OF VORTEX FIX *			
C	850 MB		1140	M	MINIMUM HEIGHT AT STANDARD LEVEL		
D	65			KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED		
E	320 DEG		45	NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND		
F	060 DEG		77	KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER		
G	320 DEG		35	NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND		
H	E 968			MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM WITHIN 1500 FT OF SEA SURFACE		
I	20.0 C		1513	M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE		
J	23.0 C		1510	M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE		
K	20.5 C		N/A	C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE		
L	OPEN SE				EYE CHARACTER: Closed wall, poorly defined, open SW, etc.		
M	C020-70				EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of major axis in tens of degrees, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. Examples: C8 - Circular eye 8 miles in diameter. E09/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5 NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.		
N	25 DEG 22 MIN (N)		S	CONFIRMATION OF FIX: Coordinates and Time *			
N	75 DEG 12 MIN (E)		W				
	1154		Z				
O	1,2,3,4,5/8				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 - 1500 ft; 8 - 850 mb; 7 - 700 mb; 5 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; 9 - Other.		
P	4 / 4			NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY		
Q	REMARKS						
SUR PRESS EXTRAP FM 5,000 FT. SECOND FLT LVL WIND MAX RW INNER EYE, 72 KNOTS. NUMEROUS MODERATE RAINBANDS W OF CENTER.							

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.

* CHECK SUM REQUIRED IN WESTPAC.



CLEARANCES			
FREQ	ALT	HDG	OTHER
			6640
			130.7

[illegible]

30/016	13330	17007	11330	42918	6615	130.7	3494	6933	1586	6640	305-229-4474
--------	-------	-------	-------	-------	------	-------	------	------	------	------	--------------

NOAA FORM 56-49
(2-96)

MISSION PREFLIGHT LOG

MISSION

DESTINATION

MISSION

MISSION

NAVIGATOR

AIRCRAFT COMMANDER

FLIGHT DIRECTOR

SCHEDULED / ACTUAL TAKEOFF Z

DATE OF TAKEOFF

WP

LAT / LON

RTE

MH

VAR

TH

DR

TRK

GS

WD

WS

ALT

TAS

LEG / TOT DIST

LEG / TOT TIME

PROP ETA

ATA

REMARKS

1

MLF

2750.9
8229.6

110
-6

2

POF

2640.8 N
8005.2 W

110
-6

3

ZFP

2631.2 N
7846.5 W

110
-6

4

N.W. POINT

2610 N
7533 W

5

S

2420 N
7336 W

INS PERFORMANCE

INS 1

INS 2

BEGIN ALIGN TIME

ALIGN STATUS (0-5)

END NAV TIME

START NAV TIME

DELTA T

01472

0

1335

0330

10405

01472

0

1335

0330

10405

TERMINAL ERRORS

INS 1

INS 2

DELTA LAT

DELTA LON

RGS

RADIAL ERROR

-4.7

+7.8

4

8

-10.1

+6.5

4

12

REMARKS