

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

Flt ID: 070902I	From: TISX	To: TISX
Flt. No: 07-027	Blk In: 1743 Z	Time On: 1440 Z
ETD: 0800 Z	Blk Out: 0814 Z	Time Off: 0823 Z
ETE: 7 + 04	Blk Time: 6+29 (6.5) Hrs	Flt Time: 6+17 (6.3) Hrs
Sponsoring Org: NOAA-NHC	Program: HU07	Purpose: Tail Doppler Radar

AOC Flight Crew

Aircraft Commander: CHOY, B	Data System: LYNCH, T
Co-Pilot: GIRIMONTE, A NELSON, M	AVAPS: SMITH, J
Navigator: SIEGEL, P	System Eng: GOLDSTEIN, A
Flight Eng: FLOYD, D KLIPPEL, J	A A:
Flight Director: FLAHERTY, P ALMEIDA, J	A A:
Avionics: SANS SOUCI, D	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
GAMACHE, JOHN	PI	HRD
BLACK, BOB	Radar	HRD

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

Storm Name: FELIX
 Mission ID: NOAA3 0706 A
 Penetration number and time
 POC 813833 1734

15-17/677
 FELIX
 09032-LOG TURNED ON

Recco Times

2 RECCOES
 Fix # Fix Time
 6 0954 90105
 9 1132 981

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Flight ID: 070902I	Time Off: 0823 Z	Time On: 1840 Z
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	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1015.1 mb	2999 mb	1016.3 mb	3005 mb

ATIS	Time	Observation
Takeoff	Z	
Land	Z	

	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Dropsondes	14	Good: 14 Bad: 0 (ONE INT. WIND)
XBT		
XCP		
XCTD		

Remarks:

070902 I.

PSW/PSfx

PQW/PQf1/PQf2

INE/ACC 1/2

TT 1/2

TDM 1/2/3

PA PA

RA 159/232

~~SPKRS REMOVED FROM~~

~~PSE AT 113442~~

~~GAP~~
* SPIKE IN ALL DATA
113420 - 113443

VERT AND SIBWING +? OFFSET

RH > 100%
0929 - 1005
1124 - 1228

N42RF AVAPS DROP LOG

Flight ID : 5709011

Flt Dir :

Launcher S/N:

1	1	054556307	1	0	2125	4	HRD WPS	15,2 n/s	✓
2	2	054556308	1	0	2241	3			✓
3	3	054556315	2	0	2313	4	JWH	PTU buffer error on channel 1	✓
4	4	054626082	3	0	2323	3	JWH		✓
5	5	054556283	2	0	2306	3	JWH		✓
6	6	054626218	2	0	2344	10	JWH		✓
7	7	054556081	3	0	0006	3	JWH		✓
8	8	054556247	3	0	0014	5	JWH		✓
9	9	054556084	2	0	0024	4	JWH		✓
10	10	054556080	4	0	0035	7	JWH	No launch det. fast fail	—
	11	054626215						Failed umbilical	—
11	12	054646022	3	0	0037	15	JWH		✓
12	13	054626211	4	0	0044	11	JWH		✓
13	14	054626075	2	0	0056	8	JWH		✓
14	15	054626221	3	0	0105	2	JWH		✓
15	16	054626161	2	0	0114	3	JWH		✓
16	17	054556076	3	0	0126	2	JWH	Late winds/FF?	
17	18	054626296	2	0	0128	4	JWH		✓
18	19	054626073	3	0	0135	2	JWH	Bad PT14	
19	20	054556308	2	0	0140	28	JWH		✓
20	21	054626299	4	0	0144	7	JWH		✓
21	22	054626072	2	0	0155	3	JWH		✓

VORTEX DATA MESSAGE

Date 09/02	Scheduled Fix Time _____	Aircraft Number N43	Flight Director FEATHER
Mission Identifier: 0706A			OB Number: _____
A	02 10954 Z	Date and Time of Fix	
B	17 DEG 53 MIN N	Latitude of Fix (If in Southern Hemisphere, use "S")	
	68 DEG 43 MIN W	Longitude of Fix (If in Eastern Hemisphere, use "E")	
C	700 MB 2921 M	Minimum Height of Standard Level	
D	NA KT	Estimate of Maximum Surface Wind Observed (visually)	
E	NA DEG NM	Bearing and Range <u>From</u> Center of Maximum Surface Wind	
F	005 DEG 90 KT	Maximum Flight Level Wind Near Center	
G	005 DEG 15 NM	Bearing and Range <u>From</u> Center of Maximum Flight Level Wind	
H	977 EX MB	Minimum Sea Level Pressure computed from Dropsonde or Extrapolated from flight level. <u>If</u> extrapolated, clarify in remarks.	
I	14 C/ 3064 M	Maximum Flight Level Temp / Pressure Altitude <u>Outside</u> Eye	
J	15 C/ 3055 M	Maximum Flight Level Temp / Pressure Altitude <u>Inside</u> Eye	
K	9 C/ NA C	Dewpoint Temp / Sea Surface Temp <u>Inside</u> Eye	
L	OPEN N4E	Eye Character (Closed wall, poorly defined, open SW, etc.)	
M	C25	<u>Eye Shape / Orientation / Diameter</u> Code eye shape as: C – circular; CO – concentric; E – elliptical. Transmit orientation of the major axis in tens of degrees from 01 to 18, i.e., 01 => 010 to 190; 17 => 170 to 350. Transmit diameter in nautical miles. <u>Examples:</u> C8 = Circular eye 8 nm in diameter; E07/15/5 = Elliptical eye oriented 070 to 250, length of major axis is 15 nm, length of minor axis is 5 nm; CO18-30 = Concentric eye walls with diameter of inner eye 18 nm and diameter of outer eye 30 nm.	
N	12345/7	<u>Fix Determined By / Fix Level</u> Fix determined by: 1 – Penetration; 2 – Radar; 3 – Wind; 4 – Pressure; 5 – Temperature. <u>Fix Level</u> (Indicate surface center if visible; indicate both surface and flight level centers ONLY when same): 0 – Surface; 1 – 1500 ft; 9 – 925 mb; 8 – 850 mb; 7 – 700 mb; 5 – 500 mb; 4 – 400 mb; 3 – 300 mb; 2 – 200 mb; NA - Other	
O	1 12 / NM	Navigation Fix Accuracy / Meteorological Accuracy	
P	REMARKS: MAX FL WIND 90 KT NE QUAD 0951 Z MAX SURF WINDS 75 KT NE QUAD 0951Z SLP EXMAP FROM 700 MB		

Instructions: Items A thru 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 Flight Director's discretion for unscheduled fixes.

VORTEX DATA MESSAGE

Date	09/02	Scheduled Fix Time	Aircraft Number	43	Flight Director
Mission Identifier:				OB Number:	
A	021132Z	Date and Time of Fix			
B	12 DEG 59 MIN N	Latitude of Fix (If in Southern Hemisphere, use "S")			
	69 DEG 11 MIN W	Longitude of Fix (If in Eastern Hemisphere, use "E")			
C	700 MB 29/6 M	Minimum Height of Standard Level			
D	NA KT	Estimate of Maximum Surface Wind Observed (visually)			
E	NA DEG NM	Bearing and Range <u>From</u> Center of Maximum Surface Wind			
F	351 DEG 70 KT	Maximum Flight Level Wind Near Center			
G	257 DEG 7 NM	Bearing and Range <u>From</u> Center of Maximum Flight Level Wind			
H	981 MB	Minimum Sea Level Pressure computed from Dropsonde or Extrapolated from flight level. <u>If</u> extrapolated, clarify in remarks.			
I	8 CI 3060 M	Maximum Flight Level Temp / Pressure Altitude <u>Outside</u> Eye			
J	15 CI 3060 M	Maximum Flight Level Temp / Pressure Altitude <u>Inside</u> Eye			
K	10 CI NA C	Dewpoint Temp / Sea Surface Temp <u>Inside</u> Eye			
L	OPEN NR	Eye Character (Closed wall, poorly defined, open SW, etc.)			
M	C 25	<u>Eye Shape / Orientation / Diameter</u> Code eye shape as: C – circular; CO – concentric; E – elliptical. Transmit orientation of the major axis in tens of degrees from 01 to 18, i.e., 01 => 010 to 190; 17 => 170 to 350. Transmit diameter in nautical miles. <u>Examples:</u> C8 = Circular eye 8 nm in diameter; E07/15/5 = Elliptical eye oriented 070 to 250, length of major axis is 15 nm, length of minor axis is 5 nm; CO18-30 = Concentric eye walls with diameter of inner eye 18 nm and diameter of outer eye 30 nm.			
N	1234517	<u>Fix Determined By / Fix Level</u> Fix determined by: 1 – Penetration; 2 – Radar; 3 – Wind; 4 – Pressure; 5 – Temperature. <u>Fix Level</u> (Indicate surface center if visible; indicate both surface and flight level centers ONLY when same): 0 – Surface; 1 – 1500 ft; 9 – 925 mb; 8 – 850 mb; 7 – 700 mb; 5 – 500 mb; 4 – 400 mb; 3 – 300 mb; 2 – 200 mb; NA – Other			
O	112 NM	Navigation Fix Accuracy / Meteorological Accuracy			
P	REMARKS: MAX FL WIND 90 KT NE QUAD 0951Z MAX SEMR WINDS 75 KTS NE QUD 0951Z				

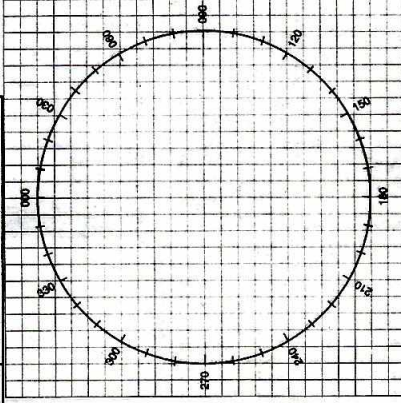
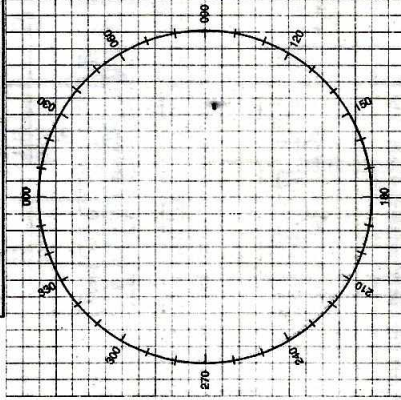
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MISSION LOG | **PAGE** **OF**

PAGE _____ **OF** _____

FO

FREQ	ALT	HDG	OTHER
			D → SCADA
			3755
			118.15 Sundown CTR
			127.1 Caracas @ SCADA



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**

- 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

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

[illegible]