

Flt ID: 030714H	From: KMC F	To:
Flt No: -	Blk In: 2306	ATA: 2258
ETD: 1300 Z	Blk Out: 1253	ATD: 1309
ETE: 9+30	Blk Time: 10.2	Flt Time: 9.8
Sponsor Org: NOAA / NHC	Program: RECCO	Purpose: TS CLAUETTE

AOC Personnel

AC: KENNEDY, F ✓	Sys Eng: M E Millan, S
CP: TEBEEST, R ✓ / SILAH, M	Data Sys:
Nav: ADLER, T ✓	Radar:
FE: WADE, S ✓	GPS/BT: PEEK, B
FD: SHEPHERD, I ✓ / MAYEAUX, M ✓	Cld Phys:
Avionics: ROGERS, M ✓	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

TEAL 44 1106Z 2630 9230 991mb 64KTS NE 850mb
IP 2648 9248

#1 2706 09243 1520

RECCO 1325, 1357, 1430 #2 2708 9250 1650

#3 2717 9258 1753

Turning RA159 off 1950Z
Turn RA159 ON 1953Z

2266
1253
1013

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

ASCW-2

Flight ID: 030714H Time Off: 1309 Time On: 2258

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1017.9	30.05	1017.4	30.05

	Number	Data Disposition / Date / Quality
Fit LVI Tapes	2	
Radar Tapes	1	
Cloud Physics Tapes	0	
Video Tapes	4	
AXBT		
AXCP		
AXCTD		
Dropsondes	6	All Good - NHC

Video					
	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks



NOAA P-3 N42RF
TROPICAL STORM CLAUDETTE
RECCO FLIGHT KMCF-KMCF



Flight ID: 030714H

Sensor or system

INE
Accelerometer
Temperature Probe
Dew Point Probe
Altitude (for vertical wind)
Static Pressure
Dynamic Pressure
Time Source
Constants File

Number or Name

2
2
1
1 (General Eastern)
Radar Altimeter 159
Rosemount Fuselage
Rosemount Fuselage 1281
Micro 99
CO2032.CON

Notes:

There was one time/data gaps during this flight which occurred between 150241Z-150300Z.

From 130631Z-133600Z and from 225212Z-130631Z Radar Altimeter 232 was used in place of Radar Altimeter 159.

There were numerous times during the flight where the dewpoint temperature exceeded ambient temperature resulting in an RH>100%. This was likely due to heavy rain, a wet-bulb effect on the total temperature sensor, and/or an artificial warming of the dewpoint sensor as it tried to burn off excess moisture. However, when the relative humidity exceed 130%, corrections were made to dewpoint values to reduce these excessive relative humidity values. These corrections were made during the times 213701Z-214000Z and 223501Z-223800Z.

Both the King and Johnson-Williams Liquid Water sensors recorded erroneous data throughout the flight.

The aircraft INE positions were renavigated with respect to GPS.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.
It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft Static Pressure	1017.9 mb	1017.4 mb
Corrected Tower Pressure	1017.6 mb	1017.6 mb
Flight Director:	Martin Mayeaux (813) 828-3310 ext. 3086	

Flight ID: 030714H

Page 1 of 1

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

Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
134040	2731	8427	261	261	231	8.4	-2.0	7.7	4858	5160	1014.8	550.7	79.9	16K PA
140040	2724	868	268	268	191	4.6	-2.7	-7.9	4858	5153	1015.7	550.7	83.0	16K PA
142110	2717	8804	265	262	179	16.4	-2.8	-6.8	4857	5146	1015.3	550.7	79.2	16K PA OVC ABV SCT BLO
144200	2709	8953	263	255	152	43.0	6.7	1.2	3202	3359↓	1014.7	688.6	72.3	DESCEND TO 10KPR OVC ABV
145300	2705	9045	270	262	178	36.9	16.1	16.5	1541	1614	1013.2	840.2	76.5	Begin 1 NR30 Wb 100
151320	2702	9214												D1
152050	2706	9243												FIX D2
162710	2527	9245	001	358	245	18.4	9.6	4.3	3055	3202	1009.7	696.1	68.5	Hdg N for 2ND PASS
165045	2708	9250												FIX D3
174040	2754	9337	142	132	062	48.8	8.5	8.0	3058	3177	1006.9	695.9	80.3	Hdg SE for FIX 3
175300	2717	9258												FIX 3 D4
182540	2626	9131	355	352	199	38.9	8.2	3.2	3056	3199	1011.0	696.1	73.4	Hdg TO NG 200 AD.
185123	2831	9142	225	226	129	36.9	8.1	4.0	3052	3212	1012.8	696.1	15.5	Hdg TO SW 200
191624	2718	9302												FIX 4 D5
200634	2725	9459	90	83	14	33.2	16.9	14.1	1535	1591	1011.2	841.9	71.5	Hdg TO E 0513
203400	2727	9308												FIX 5 D6
214000	2730	8939	085	093	215	23.9	-15.0	-17.8	6971	7395	1009.7	411.2	59.5	
221850	2732	8549	089	091	242	17.1	-15.8	-18.7	7024	7453	1012.4	409.2	77.7	
224340	2745	8324	084	081	200	12.5	3.2	0.8	3764↓	3965↓	1016.6	642.8	70.9	DESCEND TO KMC

```

TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
T.S. CLAUDETTE
YYMMDDL FLT I.D.
030714H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
130601
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
230200
HHMMSS TAKE OFF TIME
130900
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
1
* -----LOGICAL UNIT OF INPUT DATA (I1) 5, 8 OR 9 FOR TAPE DRIVE
8
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (I1) [FOR STANDARD TAPE ONLY]
8
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----DATE OF PROGRAM (MMDDY)
06094
* -----STATIC PRESSURE PROBE (I1)
* 1 = PSW (WINGTIP)
* 2 = PSF (CO-PILOT/FUSELAGE)
* 3 = FUTURE USE
2
* -----DYNAMIC PRESSURE PROBE (I1)
* 0 = PQW(WINGTIP)
* 1 = PQF1 (FUSELAGE 1281)
* 2 = PQF2 (FUSELAGE 1221)
* 3 =FUTURE US
1
* -----INE SELECTION (I1)
* 1 = INE 1
* 2 = INE 2
2
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
2
* ----- TOTAL TEMPERATURE PROBE (I1) [1 OR 2]
1
* ----- DEWPOINT TEMPERATURE PROBE (I1) [1 OR 2]
1
* -----ALTIMETER OPTION (I1) - FOR VERTICAL WIND COMPUTATION
* 0 = PRESSURE ALTITUDE (OVER LAND)
* 1 = RADAR ALTITUDE APN-159 (OVER WATER)
* 2 = RADAR ALTITUDE APN-232 (OVER WATER)
1
* -----PRINTOUT RATE SECONDS (I2)
30
*-----WINDSPEED/DIRECTION RUNNING AVERAGE TIME, SECONDS (I2)
10 ! FOR STANDARD TAPE OUTPUT ONLY
* -----TIME OPTION (I1)
* 1 = MICRO 29
* 2 = TIME BASED GENERATOR #1
* 3 = TIME BASED GENERATOR #2
1
* -----NAME OF CONSTANTS FILE EX CO3863.CON
CO2032.CON
*****

```

030714A

Claudetk

Post Processing

Inc 2

TD 1

TT 1

RA - Substitution

PSE

PQF1

CH 213201-214000

223501-223800

Time on 230200

Time off 130600

departure 130900

Beginning to ~~132001~~ 225212 - End
132201 (132201-133800)
Bad Data 150241-150300

Look
at
DVA/np
SAB to here

~~132001-133000~~
132501-133300

LWJW-KIWC - ~~Bad~~ Bad through entire flight

Renavigation:

230200 4.9, ~~0.0~~ -1.9

220200 4.5, -1.6

210200 4.2, -2.0

200200 3.3, -0.8

190200 3.0, 0.0

180200 2.6, -0.9

170200 1.8, -0.1

160200 0.9, 0.2

150200 0.9, 0.1

140200 0.4, -0.1

DATE 030714H		SCHEDULED RX TIME 15Z		AIRCRAFT NUMBER N42RF		FLIGHT DIRECTOR	
WX MISSION IDENTIFIER NO AA2 1904A CLAUDETTE						OB NUMBER 5	
VORTEX DATA MESSAGE							
A	1411520 Z		DATE and TIME of FIX				
B	27 DEG 06 MIN (N) S		LATITUDE of FIX				
	92 DEG 43 MIN (W) E		LONGITUDE of FIX				
C	850 MB 1346 M		MINIMUM HEIGHT of STANDARD LEVEL				
D	50 KT		ESTIMATE of MAXIMUM SURFACE WIND OBSERVED				
E	090 DEG 20 NM		BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND				
F	184 DEG 69 KT		MAXIMUM FLIGHT LEVEL WIND NEAR CENTER				
G	099 DEG 24 NM		BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND				
H	990 MB		MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.				
I	21 C 1154 DM		MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE				
J	22 C 11538 M		MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE				
K	18 C 1 23 C		DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE				
L	POORLY DEFINED		EYE CHARACTER: Closed wall, poorly defined, open SW, etc.				
M	C 30		EYE SHAPE/ORIENTATION/DIAMETER: Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of the 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	12345/8		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; 9-925mb; 8-850mb; 7-700mb; 5-500mb; 4-400mb; 3-300mb; 2-200mb; NA-Other				
O	111 NM		NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY				
P	REMARKS MAX FL WIND 69 KT E QUAD 1514 Z SLP EXTRAP from 850 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 (intermediate) fixes.

FIX 2

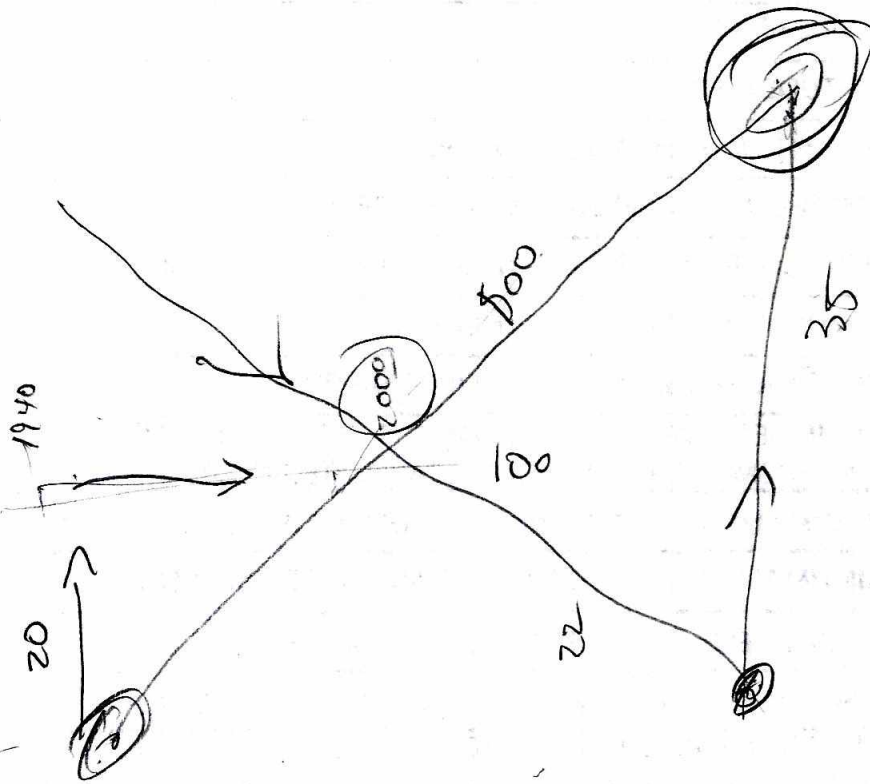
DATE 030714X	SCHEDULED RX TIME	AIRCRAFT NUMBER N42RF	FLIGHT DIRECTOR Shepherd
WX MISSION IDENTIFIER NOAA2 1904A CLAUDETTE			OB NUMBER 7
VORTEX DATA MESSAGE			
A	1411650Z	DATE and TIME of FIX	
B	27 DEG 08 MIN (N) S	LATITUDE of FIX	
	092 DEG 50 MIN (W) E	LONGITUDE of FIX	
C	700 MB 3024 M	MINIMUM HEIGHT of STANDARD LEVEL	
D	40 KT	ESTIMATE of MAXIMUM SURFACE WIND OBSERVED	
E	180 DEG 20 NM	BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND	
F	247 DEG 44 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER	
G	163 DEG 18 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND	
H	989 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.	
I	13 C 13044 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE	
J	14 C 13062 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE	
K	10 C 1 NAC	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE	
L	Poorly Defined	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.	
M	C 35	EYE SHAPE/ORIENTATION/DIAMETER: Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of the 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	12345/7	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; 9-925mb; 8-850mb; 7-700mb; 5-500mb; 4-400mb; 3-300mb; 2-200mb; NA-Other	
O	1 1 2 NM	NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY	
P	REMARKS 989.2 MAX FL WIND 69 KT E QUAD 1514 Z SLP DROPSONE 989 mb. Ship 2843 9320		

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 (intermediate) fixes.

#3

DATE 030714H	SCHEDULED RX TIME 18Z	AIRCRAFT NUMBER N42RF	FLIGHT DIRECTOR SHEPHERD
WX MISSION IDENTIFIER NOAA2 1904A			OB NUMBER 9
VORTEX DATA MESSAGE			
A	1411753Z	DATE and TIME of FIX	
B	27 DEG 17 MIN N S	LATITUDE of FIX	
	92 DEG 58 MIN W E	LONGITUDE of FIX	
C	700 MB 3031 M	MINIMUM HEIGHT of STANDARD LEVEL	
D	NAKT	ESTIMATE of MAXIMUM SURFACE WIND OBSERVED	
E	NA DEG NM	BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND	
F	042 DEG 56 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER	
G	303 DEG 16 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND	
H	989 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.	
I	12 C 13052 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE	
J	16 C 13054 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE	
K	7 C 1 NAC	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE	
L	Poorly Defined	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.	
M	C 35	EYE SHAPE/ORIENTATION/DIAMETER: Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of the 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	12345 / 7	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; 9-925mb; 8-850mb; 7-700mb; 5-500mb; 4-400mb; 3-300mb; 2-200mb; NA-Other	
O	1 1 2 NM	NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY	
P	REMARKS 989 MAX FL WIND 69 KT E QUAD 1514 Z SLP DROPSONDE 989 mb EYE OPEN W → S → E.		

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



1815

1850

1950

#4

DATE 030714H		SCHEDULED RX TIME		AIRCRAFT NUMBER N42RF		FLIGHT DIRECTOR	
WX MISSION IDENTIFIER						OB NUMBER 12	
VORTEX DATA MESSAGE							
A	14 11916 Z		DATE and TIME of FIX				
B	27 DEG 23 MIN (N) S		LATITUDE of FIX				
	92 DEG 59 MIN (W) E		LONGITUDE of FIX				
C	700 MB 3021 M		MINIMUM HEIGHT of 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	116 DEG 63 KT		MAXIMUM FLIGHT LEVEL WIND NEAR CENTER				
G	035 DEG 26 NM		BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND				
H	989 MB		MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.				
I	15 C 13056M		MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE				
J	16 C 13055M		MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE				
K	10 C 1 NA C		DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE				
L	Poorly Defined		EYE CHARACTER: Closed wall, poorly defined, open SW, etc.				
M	C 40		EYE SHAPE/ORIENTATION/DIAMETER: Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of the 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	12345/7		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; 9-925mb; 8-850mb; 7-700mb; 5-500mb; 4-400mb; 3-300mb; 2-200mb; NA-Other				
O	1 1 3 NM		NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY				
P	REMARKS MAX FL WIND 69 KT E QUAD 1514 Z SLP Dropsonde 989 mb Eye Open SW-SSE 989						

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

#5

DATE 030714H		SCHEDULED RX TIME		AIRCRAFT NUMBER		FLIGHT DIRECTOR STEPHERD	
WX MISSION IDENTIFIER NOAA2 1904A CLAUDETTE						OB NUMBER 14	
VORTEX DATA MESSAGE							
A	14 1205Z	DATE and TIME of FIX					
B	27 DEG 29 MIN N S	LATITUDE of FIX					
	093 DEG 11 MIN W E	LONGITUDE of FIX					
C	850 MB 133 YM	MINIMUM HEIGHT of 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 59 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER 2728 9333					
G	259 DEG 20 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND					
H	989 ^{sonde} MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.					
I	19 C 11536M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE					
J	24 C 11535M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE					
K	15 C 1 NA C	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE					
L	poorly defined open	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.					
M	C40	EYE SHAPE/ORIENTATION/DIAMETER: Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of the 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	1234518	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; 9-925mb; 8-850mb; 7-700mb; 5-500mb; 4-400mb; 3-300mb; 2-200mb; NA-Other					
O	1 1 3 NM	NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY					
P	REMARKS MAX FL WIND 69 KT E QUAD 1514 Z 520 dropsonde 989 Eye open SW-W						

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

N42RF DROP STATION LOG

Flight ID : 030714H

Operators : PEER

Landing : _____

CH 27 ? mung 201

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 _____ 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	VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1249	GNV																			
1253	TAXI																			
1253	BLAKE TIO	27 53.6 082 23.4	27 53.4 082 23.4	+1.1 +0	27 53.4 082 23.3	+1.2 +1.1			2R	270	215	155	10	A	213	016AR			1340	082/19 192/170 3209 270
1353	△	27 26.4 085 35.1	27 26.6 085 34.7	+1.2 +1.4	27 26.9 085 35.7	+0.4 +1.3			0	204	286	115	S	16K	280	016E		1420	1513	151K
1440	△	27 09.2 089 47.9	27 09.4 089 47.4	-1.2 +1.5	27 08.8 089 48.0	+1.4 -1.1			8R	264	273	145	45	510K	250	016E		+35	1515	1345 NYKANO
1520	△	27 06.2 092 43.0								270										1440 NYKANO
1634	△	26 02.9 092 44.3	26 01.7 092 43.4	+1.2 +1.9	26 01.3 092 44.7	+1.6 -1.4			6R	000	258	240	30	10K	244	016E				1715 095 NYKANO
1651	△	27 08.0 092 50.3							11R	143	260	035	45							
1715	△	27 40.3 093 25.7	27 39.1 093 25.8	+1.2 +1.9	27 38.1 093 25.7	+2.2 +0														
1753	△	27 16.6 092 57.9																		1815 095
1826	△	26 30.6 091 30.9	26 27.6 091 29.4	+3.0 +1.5	26 27.8 091 31.5	+2.8 -1.6			3R	355	283	195	45	10K	240					
1916	△	27 21.4 092 58.9																		
2000	△	27 06.4 094 53.3	27 02.8 094 51.8	+3.6 +1.5	27 03.3 094 54.2	+3.1 -1.9			6L	336	202	020	35	SK	222					
2033	△	27 28.8 093																		
2051	△	27 29.2 093 03.8																		2051 2729 093-11
2104	△	27 29.8 092 16.9	27 26.4 092 15.5	3.4 4.4	27 23.6 092 18.5	+4.2 -1.6			15L	087	216	170	55	SK	228					

230 FL