

Flt ID: 011007H	From: KMCF	To: KMCF
Flt No: 02-01	Blk In: 0133	ATA: 0124Z
ETD: 1530	Blk Out: 1516Z	ATD: 1529Z
ETE: 10+0	Blk Time: 10.3	Flt Time: 9.9
Sponsor Org: NHC	Program: HURRICANE 2001	Purpose: Hurri. IRIS

AOC Personnel

AC: Taggart, B ✓	Sys. Eng: Delgado, J ✓
CP: Tennessee, D ✓	Data Sys: McMillan, S ✓
Nav: Adler, J ✓	Radar:
FE: Bast, G ✓	GPS/BT: Carpenter, D ✓
FD: Shepherd, T ✓	Cld Phys:
Avionics: San Souci, D ✓	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
MAXSON, B ✓	obs	AOC

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

IP 1742 7800
 153-1601 RA159 off

PENETRATIONS
 1809 1726 7856
 1949 1719 7921
 2054 1720 7941
 2204 1718 8000
 2304 1718 8017

CAM 103
 AN

NO. 09

011007H

1529Z

0124Z

Waste on Land

1018.3

~~30.08~~ 30.08

1018.5

30.10

Data Disposition / Date / Quality

5

7

/

4

△

九

1

10

ALL GOOD

OK - verified with N42 dip log

Videos

Remarks

Rate

Remarks

Hurricane 2001

Hurricane Iris

Flight #1 011007H

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2012.CON

Notes:

Takeoff: 1529Z

Land: 0124Z

There were data gaps from 190551 - 192210 and 200341 - 200740.

The radar altimeter (APN-159) was replaced by the APN-232 due to spiking during takeoff (152601 - 153130). Due to Iridium satellite phone use (the APN- 159 must be turned off due to interference) the APN-159 was replaced by the APN-232 from 155321 - 160422 with a +32 meter offset, from 211730 - 212530 with a +18 meter offset, and from 231740 - 012700 (landing) with a 0.0 meter offset.

The dynamic attack pressure (APF) had a spike that was removed and patched (003149 - 003155).

During times when the aircraft was flying through heavy precipitation, the dew point temperature exceeded the ambient temperature resulting in humidities greater than 100%. This could also be due in part to wet bulbing effect on the total temperature sensor. No adjustments were made.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1018.3	1018.5
Corrected tower pressure	1018.6	1019.3

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.

Flight Director: Tom Shepherd, (813) 828-3310 ext. 3053

011007H

TT#1

DATA GAPS

DP#1

190551 - 192210

INE#2

200341 - 200740

AZI#2

RA159 spikes

Original
Sheet ~~OK~~ { 155327-155355, 155544-155706, 155819-160153
211740-212144, 234843-end

PQAF spike

✓✓ 003149 - 003155

Sub RA159 w/ 232

✓✓ T.O. 152601 - 153130 0.0 offset.

✓✓ LANDING 231740 - 012700 0.0 offset

~~PDSE 2051, 2054, 205830, 2230~~

Substitute 232 for 159

✓✓ 155321 - 160422 32.0 offset

✓✓ 211730 - 212530 18.0 offset

¹⁵⁵³²¹
4127 - 4796 = 31
4835 - 4802 - 33 155518

¹⁶⁰⁴²²
4835 - 4803 + 32

RENAV (OVER)

1)	160000	0.0	0.0	26 0.0	81 40.6	✓
	164500	-0.1	0.0	22 37.1	81 27.5	✓
	173000	-0.6	+0.2	19 35.3	80 33.7	✓
	181500	-1.0	+0.4	16 57.1	78 45.1	✓
5)	190000	-1.2	+0.3	17 31.6	78 0.7	✓
	194500	-2.2	+0.2	17 29.6	79 10.6	✓
	203000	-1.4	+0.3	15 52.4	79 46.7	✓
	211500	-2.6	+0.4	18 44.4	79 41.3	✓
	220000	-1.6	+0.4	17 31.5	80 11.1	✓
10)	224500	-2.1	+0.6	16 50.4	78 56.4	✓
	233000	-1.7	+0.6	19 2.5	81 6.6	✓
	001500	-1.3	+0.7	22 44.8	81 28.7	✓
	010000	-1.0	+1.0	26 37.9	81 47.6	✓
14)	012700	-1.0	+1.2	27 51.6	82 30.6	✓

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
154720	2653	8204	159	165	262	23.0	0.3	-4.1	4532	4819	1016.4	574.9	74.9	SCT BLO OVR LAND RAIS 9 OFF OVR LND
160050	2558	8139	155	158	250	12.0	1.0	-14.3	4532	—	—	574.9	74.9	
161536	2459	8112	158	160	301	5.6	2.0	-16.3	4533	4849	1016.4	574.8	76.7	
1628	RECCO													
164000	OVR	Cuba												
165810	2134	8132	180	178	057	17.6	0.9	-12.4	4579	4894	1016.6	571.2	77.3	S. of Cuba SCT BLO
1700	RECCO													
171640	2036	8130	174	172	046	21.6	1.9	-14.6	4578	4889	1014.6	571.4	69.9	SCT BLO
174240	1852	7956	150	144	055	34.3	5.8	3.0	3646	3840	1012.7	651.6	74.2	DEJUND
1809														D1 X
181040														D2 X
1827	RECCO													
1836	RECCO													
185910	1727	7806	359	004	151	29.9	9.1	5.9	3020	3179	1011.8	699.2	67.4	OVCASV SCT BLO
191720	1827	7823	217	210	114	34.9	10.1	5.0	3013	3178	1011.2	699.9	66.6	
194724			NE	Eye wall	drop									D3
1949			CENTER	DROP										D4
202540	1541	7952												
203040	1555	7947	004	004	289	3.6	8.9	9.6	3007	3154	1010.8	700.5	71.4	HOG in for #3
2054			CENTER	DROP										D5
2056			N.	Eye wall	drop									D6
215200	1756	8034	139	131	049	38.5	10.0	5.8	3011	3145	1007.9	700.2	68.1	Inbound from NW in C 12.
220155			EYE	WALL	NW									D7
2204			EYE											D8
224450	1650	7855	289	286	163	23.2	9.4	6.8	3009	3166	1011.5	700.3	73.8	INBOUND FIX 5
225230	1701	7928	291	289	147	20.2	9.4	8.2	3010	3161	1010.3	700.3	74.7	
230400			EYE											D9
230640	1727	8024			NW	EYE	WALL							D10
2310														CLIMB
235420	2101	8131	355	000	64	18.9	-8.3	-27.6	6200	—	—	450.0	72.0	CLIMB FL 220
003950														
004245	2509	8128	349	349	210	7.5	-14.0	-19.6	6721	7077	1009.2	427.0	82.8	

17.5
79.0

1842

1925

4000 SCT

100 "

7+

060/12

28/25

3005

30 SCT

60 BKN

7+

030 10

DATE 011007	SCHEDULED RX TIME 00Z	AIRCRAFT NUMBER N42	FLIGHT DIRECTOR Shepherd
WX MISSION IDENTIFIER NOAA2 0611A IRIS			OB NUMBER 28
VORTEX DATA MESSAGE			
A	071230Z	DATE and TIME of FIX	
B	17 DEG / 8 MIN N S	LATITUDE of FIX	
	080 DEG / 17 MIN W E	LONGITUDE of FIX	
C	700MB 3040M	MINIMUM HEIGHT of STANDARD LEVEL	
D	NA KT	ESTIMATE of MAXIMUM SURFACE WIND OBSERVED	
E	NA DEG NM	BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND	
F	214 DEG 50 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER	
G	110 DEG 4 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND	
H	EXTRAP 990 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.	
I	10 C / 3005M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE	
J	15 C / 2966M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE	
K	10 C / NA	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE	
L	CLOSED	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.	
M	C 13	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 / 3 NM	NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY	
P	REMARKS MAX FL WIND 82 KT N QUAD 2059 Z SEA SFC PRESS EXTRAP 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 (intermediate) fixes.

DATE 011007H	SCHEDULED RX TIME 18Z	AIRCRAFT NUMBER N42	FLIGHT DIRECTOR Shepherd
WX MISSION IDENTIFIER			OB NUMBER 08
VORTEX DATA MESSAGE			
A	071180Z	DATE and TIME of FIX	
B	17 DEG 20 MIN N S	LATITUDE of FIX	
	78 DEG 56 MIN W E	LONGITUDE of FIX	
C	700 MB 3032 M	MINIMUM HEIGHT of STANDARD LEVEL	
D	60 KT	ESTIMATE of MAXIMUM SURFACE WIND OBSERVED	
E	310 DEG 6 NM	BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND	
F	29 DEG 75 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER	
G	329 DEG 9 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND	
H	EXTRAP 990 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.	
I	12 C 13024 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE	
J	15 C 13029 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE	
K	10 C 1 NAC	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE	
L	OPEN SW	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.	
M	C 12	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	115 NM	NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY	
P	REMARKS MAX FL WIND <u>75</u> KT <u>NW</u> <u>AE</u> QUAD <u>1806</u> Z <u>991</u> <u>60 KTS</u> 130 180 <u>310</u>		

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.

265/16

DATE 011007H	SCHEDULED RX TIME —	AIRCRAFT NUMBER N42RI	FLIGHT DIRECTOR Sheephead
WX MISSION IDENTIFIER NOAA2 0611A IRIS			OB NUMBER 12
VORTEX DATA MESSAGE			
A	0711949Z	DATE and TIME of FIX	
B	17 DEG 19 MIN N	LATITUDE of FIX	
	79 DEG 21 MIN W	LONGITUDE of FIX	
C	700MB 3039 M	MINIMUM HEIGHT of STANDARD LEVEL	
D	NA KT	ESTIMATE of MAXIMUM SURFACE WIND OBSERVED	
E	NA DEG NM	BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND	
F	156 DEG 69 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER	
G	030 DEG 08 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND	
H	EXTRAP 991 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.	
I	13 C 13016 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE	
J	18 C 13040 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE	
K	11 C 1 NA C	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE	
L	OPEN SW	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.	
M	E 15/15/8	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 7 NM	NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY	
P	REMARKS MAX FL WIND 75 KT NW QUAD 1806 Z SEA BFC PRESS EXTRAP FROM 700 mb 1947 17 24.5 07918 030T/08 nm		

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.

DATE 011007H		SCHEDULED RX TIME	AIRCRAFT NUMBER	FLIGHT DIRECTOR
WX MISSION IDENTIFIER				OB NUMBER 18
VORTEX DATA MESSAGE				
A	0712054 Z	DATE and TIME of FIX		
B	17 DEG 20 MIN (N) S	LATITUDE of FIX		
	79 DEG 41 MIN (W) E	LONGITUDE of FIX		
C	700 MB 3149 M	MINIMUM HEIGHT of STANDARD LEVEL		
D	NA KT	ESTIMATE of MAXIMUM SURFACE WIND OBSERVED		
E	NA DEG NM	BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND		
F	085 DEG 82 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER		
G	360 DEG 8 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND		
H	EXTRAP 988 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.		
I	16 C 12979 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE		
J	10 C 13043 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE		
K	7 C 1 NAC	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE		
L	OPEN NW SW	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.		
M	E 16/17/9	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 7 NM	NAVIGATION FIX ACCURACY / METEOROLOGICAL ACCURACY		
P	REMARKS MAX FL WIND 82 KT N QUAD 2059 Z SEA SFC PRESS EXTRAP FROM 700mb 1728 7141 1720 07941 2054 989 mb 57 ms 1.91 57 1337 955 108.87			

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.

DATE 011007	SCHEDULED RX TIME —	AIRCRAFT NUMBER N42RF	FLIGHT DIRECTOR Shepherd
WX MISSION IDENTIFIER NOAA2 0611A IRIS			OB NUMBER 22
VORTEX DATA MESSAGE			
A	0712204Z	DATE and TIME of FIX	
B	17 DEG 18 MIN (N) S	LATITUDE of FIX	
	080 DEG 00 MIN (W) E	LONGITUDE of FIX	
C	700 MB 3020 M	MINIMUM HEIGHT of STANDARD LEVEL	
D	NA KT	ESTIMATE of MAXIMUM SURFACE WIND OBSERVED	
E	NA DEG NM	BEARING and RANGE FROM CENTER of MAXIMUM SURFACE WIND	
F	054 DEG 77 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER	
G	336 DEG 8 NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND	
H	EXTRAP 988 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM FLIGHT LEVEL. IF EXTRAPOLATED, CLARIFY IN REMARKS.	
I	15 C 12995 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE	
J	17 C 12988 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE	
K	9 C 1 NAC	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE	
L	OPEN SW	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.	
M	E 18/18/10	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 82 KT N QUAD 2059 Z SEA SFC PRESS EXTRAP FROM 700 mb 77		

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.

N42RF AVAPS DropSonde Log

N42RF Project: IRIS

Flight ID 011007H

Mission: Recco

Flight #: #1

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	003 155 031	1	1809	0	30	DWC	Good	☒
2	003 155 034	2	1810	0	27			☒
3	003 148 112	1	1947	0	55			☒
4	003 438 018	2	1949	0	29			☒
5	003 155 024	1	2054	0	50			☒
6	003 155 028	2	2056	0	20			☒
7	003 148 102	1	2201	0	13			☒
8	003 155 030	2	2204	0	?			☒
9	003 135 046	1	2303	0	36			☒
10	003 438 020	2	2306	0	18			☒
11								
12								
13								
14								
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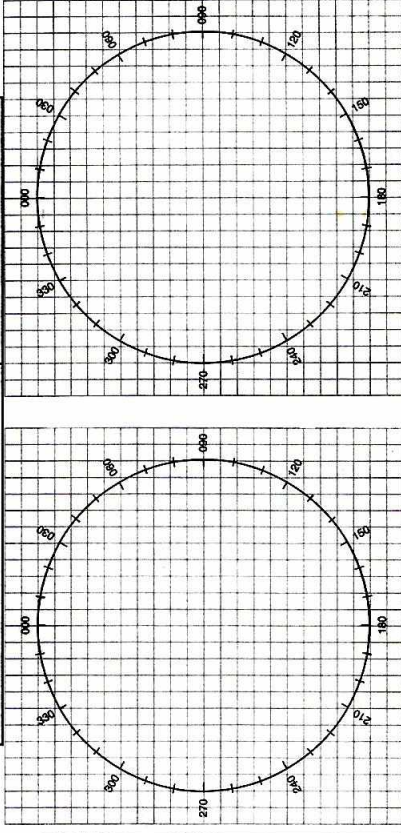
HD 159T

442 1842//7925

CLEARANCES			
FREQ	ALT	HDG	OTHER
1512			21.6K 214K
1516			170MD
1518			212K
1528			
1531			170.2
1533			
1620			
1711			
1822			
1900			
2010			
2054			
2110			
2204			
2217			
2304			
2337			
0124			

MISSION LOG

PAGE 1 OF 1



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	GSI	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1512	ENG																				
1516	TAXI																				
1518	BUCC																				
1528	T10																				
1531	XV	27 52.6 082 26.5	27 52.6 082 26.5	+0 -1	27 52.6 082 26.5	+0 -1				4L	166	225	290	15	12K	222	214	90	149		076/4nm mcf SHUT DOWN BANDWIDTH
1533	NOSE																				
1620	Δ	24 33.5 081 06.1	24 33.5 081 06.1	-1 +0	24 33.5 081 06.1	-1 +0				11L	192	281	320	10	5K 24	244	7490	90	149	1639	
1711	Δ	20 35.7 081 29.8	20 35.7 081 29.8	+1 +3	20 35.7 081 29.8	+1 +3				3R	174	225	045	15	5K	264					
1822	Δ	16 31.6 078 29.8	16 31.6 078 29.8	+1 +4	16 32.7 078 29.4	+1 +4				4L	149	235	200	20	10K	246	78W				FIX AT 1609Z 1720N 078 56W
1900	Δ	17 31.1 078 00.7	17 31.1 078 00.7	+4 +7	17 32.3 078 00.4	+4 +3				5L	359	265	145	45	10K	235					
2010	Δ	16 12.3 080 22.0	16 12.3 080 22.0	+1 +1.1	16 13.8 080 21.7	+1 +1.5				4L	221	260	355	20	10K	245					FIX at 1949Z 1719N 079 21W
2054	Δ																				FIX 17-20N 079 41W
2110	Δ	18 22.7 079 41.2	18 22.7 079 38.6	+0 +1.6	18 25.2 079 40.8	+2.5 +1.4				9L	000	251	100	40	10K	245					2198Z 21220N
2204	Δ	17 18.1 080 00.4																			FIX 1718N 080 00W
2217	Δ	16 40.0 079 25.2	16 37.1 079 24.0	+2.9 +1.2	16 40.8 079 24.8	-0.8 +1.4				5L	157	235	205	25	10K	246					
2304	Δ	17 18.3 080 16.5																			FIX 17-18 230 080 17.0
2337	Δ	19 35.6 081 18.6	19 33.1 081 16.4	+2.5 +2.7	19 30.2 081 17.9	+5.1 +1.7				5L	341	300	090	25	20K	294					2344 OFF
0124	Δ	mcf LAND																			

160Z

HF 01