Name:	MILLERJ
Project Name:	MEM MASHH1 GQO HEXIN 20120125
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	1/25/2012 11:48:40 AM
Input File:	MASHH1 GQO HEXIN 20
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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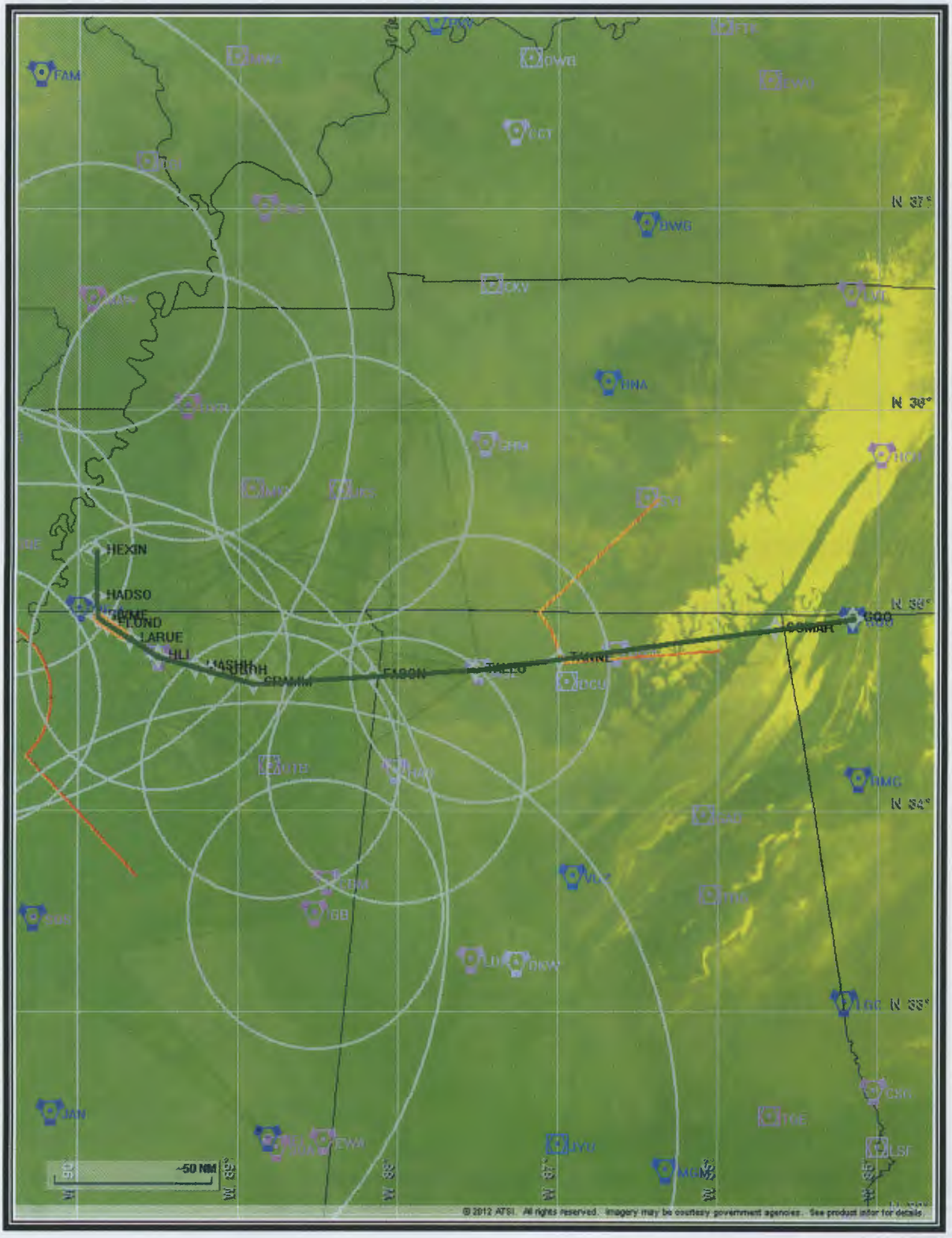
HEXIN
HADSO
LARUE
HLI
GRAMM
FASON
TANNE
GQO
N 37°
N 36°
N 35°
N 34°
N 33°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
GQO	WP	N 34° 57' 40.54" W 85° 9' 12.14"	18000.0	Step	300.0	Fly By	TF
COMAR	WP	N 34° 54' 35.37" W 85° 38' 9.10"	18000.0	Step	300.0	Fly By	TF
TANNE	WP	N 34° 45' 38.68" W 86° 59' 14.53"	18000.0	Step	300.0	Fly By	TF
TALLO	WP	N 34° 42' 21.47" W 87° 30' 42.38"	18000.0	Step	300.0	Fly By	TF
FASON	WP	N 34° 40' 31.98" W 88° 9' 26.98"	18000.0	Step	300.0	Fly By	TF
CRAMM	WP	N 34° 38' 11.05" W 88° 53' 54.88"	10000.0	Step	250.0	Fly By	TF
LUGOH	WP	N 34° 41' 46.93" W 89° 9' 52.48"	6000.0	Step	250.0	Fly By	TF
MASHH	WP	N 34° 43' 5.51" W 89° 15' 43.70"	6000.0	Step	210.0	Fly By	TF
HLI	WP	N 34° 46' 12.95" W 89° 29' 47.39"	6000.0	Step	210.0	Fly By	TF
LARUE	WP	N 34° 51' 31.48" W 89° 40' 17.81"	6000.0	Step	180.0	Fly By	TF
FLOND	WP	N 34° 55' 50.90" W 89° 48' 41.19"	6000.0	Step	180.0	Fly By	TF
GIVME	WP	N 34° 58' 4.25" W 89° 52' 44.12"	6000.0	Step	180.0	Fly By	TF
HADSO	WP	N 35° 4' 4.77" W 89° 52' 51.77"	4000.0	Step	180.0	Fly By	TF
HEXIN	WP	N 35° 17' 42.66" W 89° 53' 9.20"	3000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival/Approach
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table:

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Entire track is fly-able

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 18

Maximum DME Error: 1.342 NM.

1 Critical DME was found.

Available DMEs: ATL, ODF, RMG, VXV, GQO, BNA, VUZ, DCU, RQZ, MSL, HAB, MEM, OTB, JKS, HLI, GQE, UJM, DYR

DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ODF	N 34° 41' 45.14" W 83° 17' 51.58"	H	Database	NO	1.342	Enabled	1.3 %	1.4 %
2	RMG	N 34° 9' 45.22" W 85° 7' 9.83"	H	Database	NO	1.342	Enabled	13.3 %	14.8 %
3	ATL	N 33° 37' 42.68" W 84° 26' 6.26"	H	Database	NO	1.342	Enabled	0.7 %	0.7 %
4	VXV	N 35° 54' 17.42" W 83° 53' 41.02"	H	Database	NO	1.342	Enabled	2.9 %	3.3 %
5	GQO	N 34° 57' 40.54" W 85° 9' 12.14"	H	Database	NO	1.342	Enabled	13.0 %	14.5 %
6	BNA	N 36° 8' 13.06" W 86° 41' 5.18"	H	Database	NO	1.342	Enabled	21.1 %	23.5 %
7	VUZ	N 33° 40' 12.67" W 86° 53' 59.28"	H	Database	NO	1.342	Enabled	16.7 %	18.6 %
8	DCU	N 34° 38' 53.94" W 86° 56' 22.29"	L	Database	NO	1.342	Enabled	10.1 %	11.3 %
9	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L + ESV	User	NO	1.342	Enabled	23.9 %	23.7 %
10	RQZ	N 34° 47' 50.06" W 86° 38' 1.85"	L	Database	NO	1.342	Enabled	5.7 %	6.4 %
11	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L + ESV	User	NO	1.342	Enabled	12.1 %	13.3 %
12	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L + ESV	User	NO	1.382	Enabled	7.1 %	6.1 %
13	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L + ESV	User	NO	1.342	Enabled	10.7 %	9.7 %
14	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L + ESV	User	NO	1.441	Enabled	8.5 %	7.3 %
15	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L + ESV	User	NO	1.342	Enabled	13.5 %	11.6 %
16	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L + ESV	User	YES	**2.100**	Enabled	10.3 %	8.8 %
17	DYR	N 36° 1' 6.78" W 89° 19' 3.69"	L + ESV	User	NO	1.342	Enabled	1.3 %	1.1 %
18	MEM	N 35° 0' 54.42" W 89° 58' 59.55"	H	Database	NO	1.342	Enabled	6.1 %	5.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ODF	RMG	ATL	VXV	GQO	
10.1	BNA	RMG	ATL	VXV	GQO	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
24.0	BNA	RMG	VUZ	DCU	GQO	RQZ
74.5	BNA	MSL	VUZ	RQZ	GQO	DCU
91.2	DCU	MSL	VUZ	RQZ	GQO	BNA
101.3	DCU	MSL	VUZ	RQZ	BNA	
117.1	DCU	MSL	VUZ	HAB	BNA	
139.3	MEM	MSL	VUZ	HAB		
149.5	MEM	MSL	JKS	HAB	OTB	VUZ
175.6	OTB	MSL	JKS	HLI		
185.7	OTB	MSL	JKS	HLI		
199.8	OTB	HLI				
204.8	OTB	HLI	MEM	GQE		
216.4	UJM	HLI	MEM	GQE		
227.0	UJM	HLI	MEM	GQE		
235.1	UJM	HLI	MEM	GQE		
238.3	UJM	HLI	MEM	GQE	DYR	
245.0	UJM	HLI	MEM	GQE		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 9.83" W 87° 34' 56.02"	N 34° 42' 9.13" W 87° 35' 11.76"	0.2
	VOR: DCU	Available from N 34° 42' 9.83" W 87° 34' 56.02" to N 34° 42' 9.13" W 87° 35' 11.76"	
	VOR: HAB	Available from N 34° 42' 9.83" W 87° 34' 56.02" to N 34° 42' 9.13" W 87° 35' 11.76"	
	VOR: MSL	Available from N 34° 42' 9.83" W 87° 34' 56.02" to N 34° 42' 9.13" W 87° 35' 11.76"	
2	N 34° 40' 48.59" W 89° 5' 32.92"	N 34° 47' 53.27" W 89° 33' 6.05"	23.9
	VOR: HLI	Available from N 34° 40' 48.59" W 89° 5' 32.92" to N 34° 47' 53.27" W 89° 33' 6.05"	
	VOR: OTB	Available from N 34° 40' 48.59" W 89° 5' 32.92" to N 34° 43' 52.89" W 89° 19' 16.30"	
	VOR: MEM	Available from N 34° 43' 2.43" W 89° 15' 29.85" to N 34° 47' 53.27" W 89° 33' 6.05"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H	125.0	114.70	SQS	Not Used
	ESV:	Bearing [True]: 303.0° to 350.0° Bearing [Mag]: 300.0° to 347.0°		Arc Distance: Out to 77.0 NM Altitude: 6500.0 to 23000.0 Ft.			
2	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L	211.0	113.00	GQE	Used
	ESV:	Bearing [True]: 110.0° to 200.0° Bearing [Mag]: 106.0° to 196.0°		Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 19000.0 Ft.			
3	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L	630.0	112.40	HLI	Used
	ESV:	Bearing [True]: 246.0° to 288.0° Bearing [Mag]: 243.0° to 285.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 19000.0 Ft.			
	ESV:	Bearing [True]: 324.0° to 340.0° Bearing [Mag]: 321.0° to 337.0°		Arc Distance: Out to 75.0 NM Altitude: 7500.0 to 19000.0 Ft.			
	ESV:	Bearing [True]: 290.0° to 328.0° Bearing [Mag]: 287.0° to 325.0°		Arc Distance: Out to 51.0 NM Altitude: 2500.0 to 18000.0 Ft.			
4	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L	363.7	109.80	OTB	Used
	ESV:	Bearing [True]: 291.0° to 298.0° Bearing [Mag]: 287.0° to 294.0°		Arc Distance: Out to 71.0 NM Altitude: 3200.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 345.0° to 37.0° Bearing [Mag]: 341.0° to 33.0°		Arc Distance: Out to 64.0 NM Altitude: 10000.0 to 12000.0 Ft.			
	ESV:	Bearing [True]: 312.0° to 11.0° Bearing [Mag]: 308.0° to 7.0°		Arc Distance: Out to 62.0 NM Altitude: 3500.0 to 12000.0 Ft.			
5	DYR	N 36° 1' 6.78" W 89° 19' 3.69"	L	388.7	116.80	DYR	Used
	ESV:	Bearing [True]: 220.0° to 303.0° Bearing [Mag]: 217.0° to 300.0°		Arc Distance: Out to 58.0 NM Altitude: 4200.0 to 23000.0 Ft.			
	ESV:	Bearing [True]: 223.0° to 245.0° Bearing [Mag]: 220.0° to 242.0°		Arc Distance: Out to 79.0 NM Altitude: 5000.0 to 21000.0 Ft.			
	ESV:	Bearing [True]: 188.0° to 201.0° Bearing [Mag]: 185.0° to 198.0°		Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 18000.0 Ft.			
	ESV:	Bearing [True]: 180.0° to 210.0° Bearing [Mag]: 177.0° to 207.0°		Arc Distance: Out to 72.0 NM Altitude: 4500.0 to 16000.0 Ft.			
6	ARG	N 36° 6' 35.95" W 90° 57' 13.23"	H	260.0	114.50	ARG	Not Used
	ESV:	Bearing [True]: 115.0° to 168.0° Bearing [Mag]: 111.0° to 164.0°		Arc Distance: Out to 69.0 NM Altitude: 4500.0 to 19000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
7	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L	240.8	109.60	UJM	Used
	Restriction:	Bearing [True]: 351.0° to 136.0° Bearing [Mag]: 350.0° to 135.0°		Distance: Beyond 25.0 NM Altitude: Below 2800.0 Ft.			
	ESV:	Bearing [True]: 15.0° to 90.0° Bearing [Mag]: 14.0° to 89.0°		Arc Distance: Out to 60.0 NM Altitude: 3500.0 to 18000.0 Ft.			
	ESV:	Bearing [True]: 50.0° to 70.0° Bearing [Mag]: 49.0° to 69.0°		Arc Distance: Out to 59.0 NM Altitude: 3000.0 to 17000.0 Ft.			
8	IGB	N 33° 29' 7.75" W 88° 30' 48.93"	L	240.1	116.20	IGB	Not Used
	ESV:	Bearing [True]: 265.0° to 301.0° Bearing [Mag]: 261.0° to 297.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 23000.0 Ft.			
	ESV:	Bearing [True]: 260.0° to 319.0° Bearing [Mag]: 256.0° to 315.0°		Arc Distance: Out to 98.0 NM Altitude: 8500.0 to 23000.0 Ft.			
9	MEI	N 32° 22' 42.43" W 88° 48' 15.31"	H	578.1	117.00	MEI	Not Used
	ESV:	Bearing [True]: 305.0° to 318.0° Bearing [Mag]: 300.0° to 313.0°		Arc Distance: Out to 109.0 NM Altitude: 12000.0 to 25000.0 Ft.			
10	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L	802.1	110.40	HAB	Used
	ESV:	Bearing [True]: 315.0° to 358.0° Bearing [Mag]: 313.0° to 356.0°		Arc Distance: Out to 73.0 NM Altitude: 10000.0 to 15000.0 Ft.			
11	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L	579.7	116.50	MSL	Used
	Restriction:	Bearing [True]: 47.0° to 85.0° Bearing [Mag]: 46.0° to 84.0°		Distance: Beyond 25.0 NM Altitude: Below 2000.0 Ft.			
	ESV:	Bearing [True]: 236.0° to 281.0° Bearing [Mag]: 235.0° to 280.0°		Arc Distance: Out to 90.0 NM Altitude: 7500.0 to 21000.0 Ft.			
	ESV:	Bearing [True]: 296.0° to 350.0° Bearing [Mag]: 295.0° to 349.0°		Arc Distance: Out to 82.0 NM Altitude: 12000.0 to 21000.0 Ft.			
12	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L	630.0	109.40	JKS	Used
	ESV:	Bearing [True]: 236.0° to 245.0° Bearing [Mag]: 234.0° to 243.0°		Arc Distance: Out to 73.0 NM Altitude: 4800.0 to 18000.0 Ft.			
	ESV:	Bearing [True]: 176.0° to 235.0° Bearing [Mag]: 174.0° to 233.0°		Arc Distance: Out to 84.0 NM Altitude: 6200.0 to 19000.0 Ft.			

DME/DME (Continued.)

Return To Summary

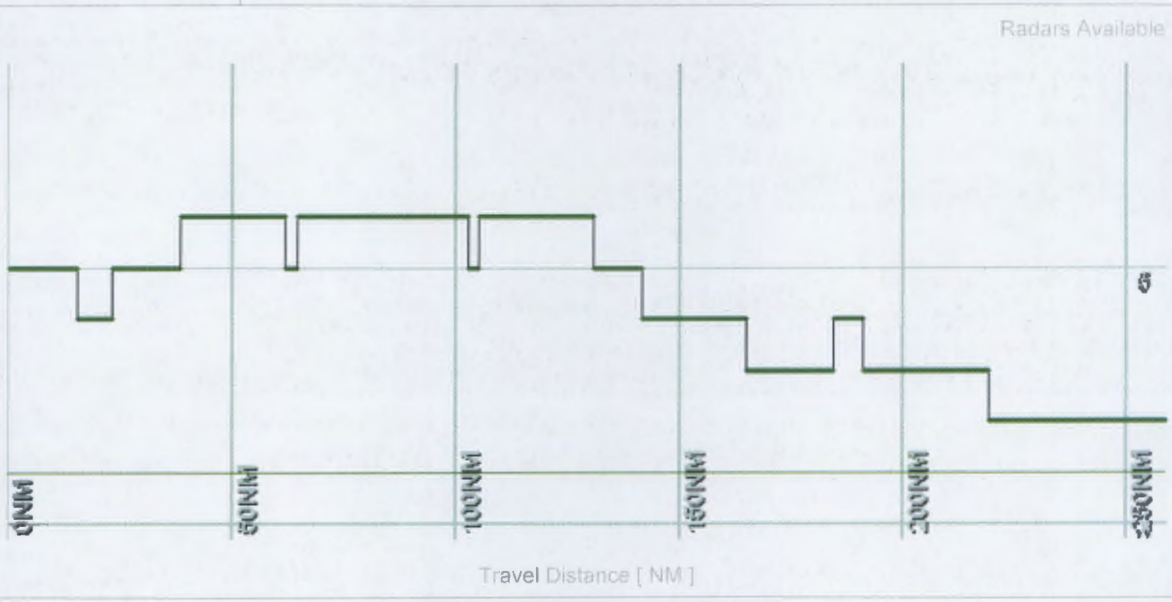
User DMEs (Continued.)

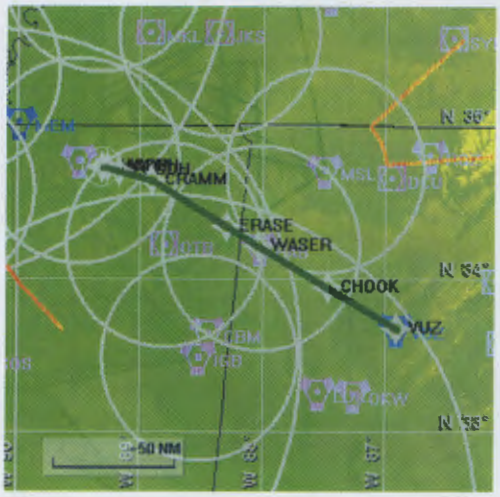
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	MAW	N 36° 33' 18.41" W 89° 54' 41.12"	L	280.0	111.20	MAW	Not Used
		ESV:	Bearing [True]: 187.0° to 207.0° Bearing [Mag]: 184.0° to 204.0°		Arc Distance: Out to 86.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 146.0° to 183.0° Bearing [Mag]: 143.0° to 180.0°		Arc Distance: Out to 59.0 NM Altitude: 7000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	MILLERJ
Project Name:	MEM MASHH1 VUZ TO FASOP 20120125
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	1/25/2012 11:21:03 AM
Input File:	MASHH1 VUZ FASOP 201...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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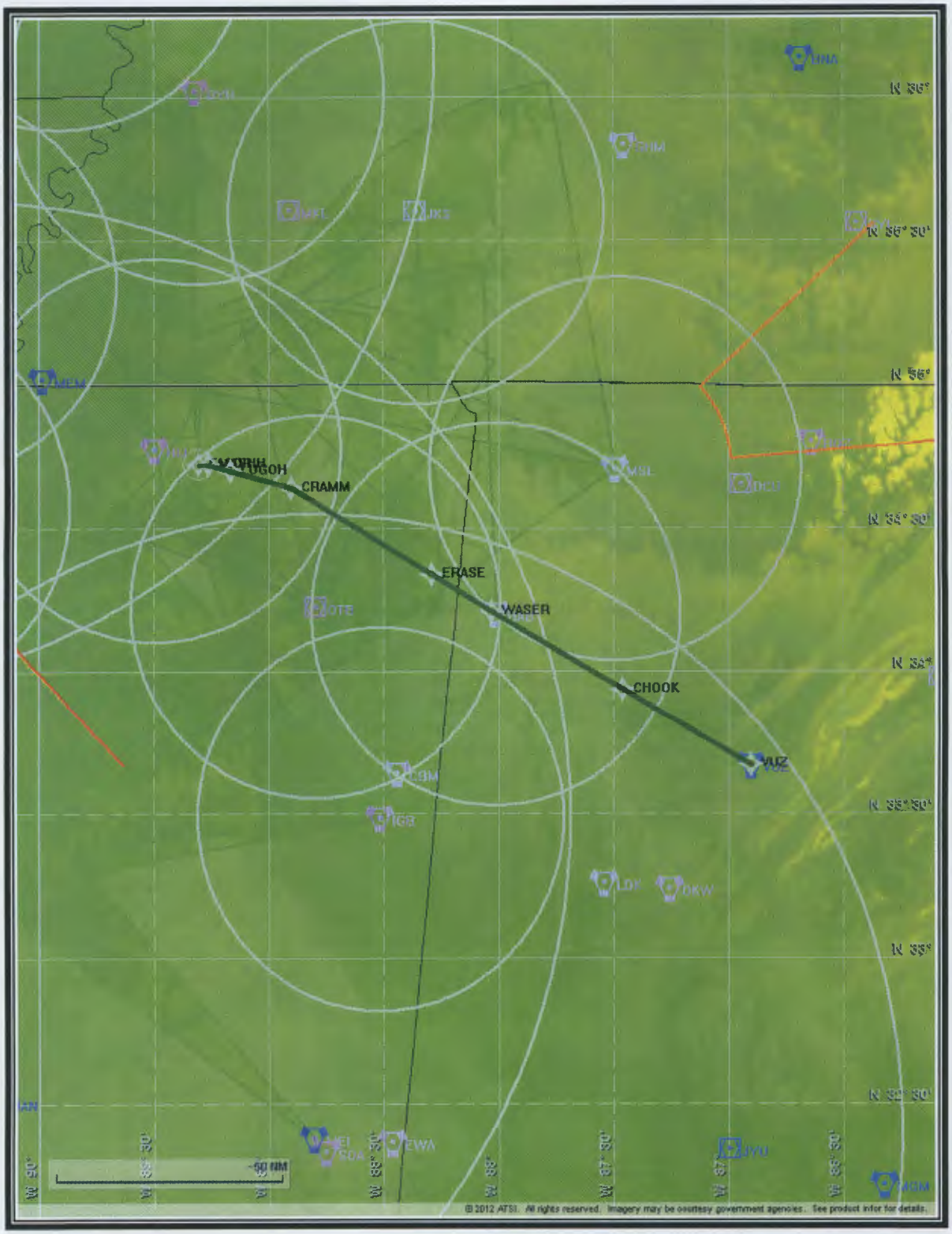
CRAMM
ERASE
WASER
CHOOK
VUZ
MEM
MSL
IGB
EWA
50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
VUZ	WP	N 33° 40' 12.67" W 86° 53' 59.28"	24000.0	Step	300.0	Fly By	TF
CHOOK	WP	N 33° 56' 4.62" W 87° 27' 21.41"	24000.0	Step	300.0	Fly By	TF
WASER	WP	N 34° 12' 26.54" W 88° 1' 43.83"	18000.0	Step	250.0	Fly By	TF
ERASE	WP	N 34° 20' 10.02" W 88° 17' 15.32"	10000.0	Step	250.0	Fly By	TF
CRAMM	WP	N 34° 38' 11.05" W 88° 53' 54.88"	10000.0	Step	210.0	Fly By	TF
LUGOH	WP	N 34° 41' 46.93" W 89° 9' 52.48"	10000.0	Step	210.0	Fly By	TF
MASHH	WP	N 34° 43' 5.51" W 89° 15' 43.70"	6000.0	Step	180.0	Fly By	TF
FASOP	WP	N 34° 43' 9.05" W 89° 18' 9.21"	6000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival/Approach **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
ALTITUDE at Fly-By WP ERASE too high. ALTITUDE at Fly-By WP MASHH too high.	

DME/DME

Return To Summary

Settings:

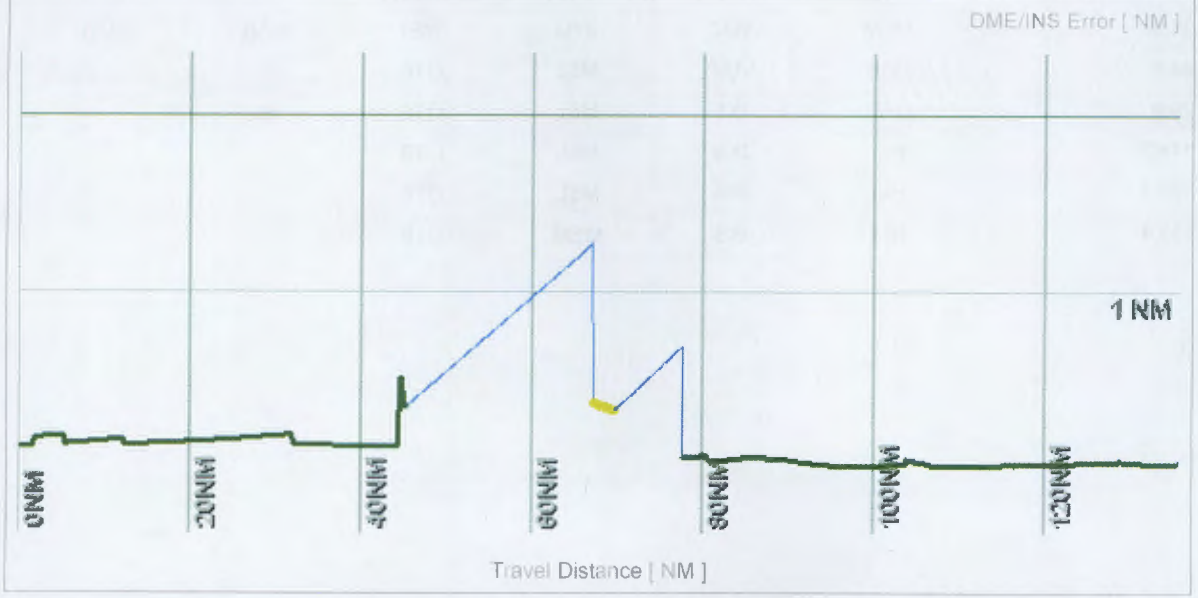
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 12

Maximum DME Error: 1.201 NM.

No Critical DMEs were found.

Available DMEs: MEI, ATL, GQO, JYU, LGC, MGM, RMG, VUZ, MEM, HAB, OTB, MSL, JKS, HLI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	MGM	N 32° 13' 20.22" W 86° 19' 11.03"	H	Database	NO	1.201	Enabled	4.6 %	6.3 %
2	RMG	N 34° 9' 45.22" W 85° 7' 9.83"	H	Database	NO	1.201	Enabled	14.8 %	20.8 %
3	ATL	N 33° 37' 42.68" W 84° 26' 6.26"	H	Database	NO	1.201	Enabled	1.9 %	2.6 %
4	JYU	N 32° 20' 40.59" W 86° 59' 28.56"	H	Database	NO	1.064	Enabled	12.8 %	17.8 %
5	MEI	N 32° 22' 42.43" W 88° 48' 15.31"	H + ESV	User	NO	1.201	Enabled	8.3 %	9.2 %
6	VUZ	N 33° 40' 12.67" W 86° 53' 59.28"	H	Database	NO	1.681	Enabled	8.3 %	9.2 %
7	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L + ESV	User	NO	1.656	Enabled	17.0 %	14.7 %
8	MEM	N 35° 0' 54.42" W 89° 58' 59.55"	H	Database	NO	1.201	Enabled	0.3 %	0.3 %
9	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L + ESV	User	NO	1.550	Enabled	31.6 %	26.5 %
10	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L + ESV	User	NO	1.201	Enabled	14.3 %	12.1 %
11	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L + ESV	User	NO	1.201	Enabled	29.0 %	24.0 %
12	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L + ESV	User	NO	1.201	Enabled	14.8 %	12.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	MGM	RMG	JYU	ATL	LGC	MEI
31.9	MEM	VUZ	JYU	MEI	HAB	RMG
64.8	HAB	VUZ	MSL	OTB		
79.9	HAB	JKS	MSL	OTB	HLI	
114.7	HLI	JKS	MSL	OTB		
128.7	HLI	JKS	MSL	OTB		
133.4	HLI	JKS	MEM	OTB		

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 2' 44.32" W 87° 41' 17.12"	N 34° 13' 32.23" W 88° 3' 56.00"	21.7
	VOR: HAB	Available from N 34° 2' 44.32" W 87° 41' 17.12" to N 34° 13' 32.23" W 88° 3' 56.00"	
	VOR: MSL	Available from N 34° 4' 23.57" W 87° 44' 45.32" to N 34° 12' 14.57" W 88° 1' 18.44"	
	VOR: CBM	Available from N 34° 10' 7.94" W 87° 56' 50.56" to N 34° 13' 32.23" W 88° 3' 56.00"	
	VOR: OTB	Available from N 34° 11' 29.52" W 87° 59' 43.07" to N 34° 13' 32.23" W 88° 3' 56.00"	
2	N 34° 14' 54.77" W 88° 6' 41.42"	N 34° 18' 55.80" W 88° 14' 45.82"	7.8
	VOR: CBM	Available from N 34° 14' 54.77" W 88° 6' 41.42" to N 34° 15' 27.77" W 88° 7' 47.61"	
	VOR: HAB	Available from N 34° 14' 54.77" W 88° 6' 41.42" to N 34° 18' 55.80" W 88° 14' 45.82"	
	VOR: OTB	Available from N 34° 14' 54.77" W 88° 6' 41.42" to N 34° 18' 55.80" W 88° 14' 45.82"	
3	N 34° 43' 8.37" W 89° 17' 42.45"	N 34° 43' 8.98" W 89° 18' 6.70"	0.3
	VOR: HLI	Available from N 34° 43' 8.37" W 89° 17' 42.45" to N 34° 43' 8.98" W 89° 18' 6.70"	
	VOR: MEM	Available from N 34° 43' 8.37" W 89° 17' 42.45" to N 34° 43' 8.98" W 89° 18' 6.70"	
	VOR: OTB	Available from N 34° 43' 8.37" W 89° 17' 42.45" to N 34° 43' 8.98" W 89° 18' 6.70"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H	125.0	114.70	SQS	Not Used
	ESV:	Bearing [True]: 303.0° to 350.0° Bearing [Mag]: 300.0° to 347.0°		Arc Distance: Out to 77.0 NM Altitude: 6500.0 to 23000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
2	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L	211.0	113.00	GQE	Not Used
		ESV: Bearing [True]: 110.0° to 200.0° Bearing [Mag]: 106.0° to 196.0°		Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 19000.0 Ft.			
3	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L	630.0	112.40	HLI	Used
		ESV: Bearing [True]: 246.0° to 288.0° Bearing [Mag]: 243.0° to 285.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 19000.0 Ft.			
		ESV: Bearing [True]: 324.0° to 340.0° Bearing [Mag]: 321.0° to 337.0°		Arc Distance: Out to 75.0 NM Altitude: 7500.0 to 19000.0 Ft.			
		ESV: Bearing [True]: 290.0° to 328.0° Bearing [Mag]: 287.0° to 325.0°		Arc Distance: Out to 51.0 NM Altitude: 2500.0 to 18000.0 Ft.			
4	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L	363.7	109.80	OTB	Used
		ESV: Bearing [True]: 291.0° to 298.0° Bearing [Mag]: 287.0° to 294.0°		Arc Distance: Out to 71.0 NM Altitude: 3200.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 345.0° to 37.0° Bearing [Mag]: 341.0° to 33.0°		Arc Distance: Out to 64.0 NM Altitude: 10000.0 to 12000.0 Ft.			
		ESV: Bearing [True]: 312.0° to 11.0° Bearing [Mag]: 308.0° to 7.0°		Arc Distance: Out to 62.0 NM Altitude: 3500.0 to 12000.0 Ft.			
5	DYR	N 36° 1' 6.78" W 89° 19' 3.69"	L	388.7	116.80	DYR	Not Used
		ESV: Bearing [True]: 220.0° to 303.0° Bearing [Mag]: 217.0° to 300.0°		Arc Distance: Out to 58.0 NM Altitude: 4200.0 to 23000.0 Ft.			
		ESV: Bearing [True]: 223.0° to 245.0° Bearing [Mag]: 220.0° to 242.0°		Arc Distance: Out to 79.0 NM Altitude: 5000.0 to 21000.0 Ft.			
		ESV: Bearing [True]: 188.0° to 201.0° Bearing [Mag]: 185.0° to 198.0°		Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 18000.0 Ft.			
		ESV: Bearing [True]: 180.0° to 210.0° Bearing [Mag]: 177.0° to 207.0°		Arc Distance: Out to 72.0 NM Altitude: 4500.0 to 16000.0 Ft.			
6	ARG	N 36° 6' 35.95" W 90° 57' 13.23"	H	260.0	114.50	ARG	Not Used
		ESV: Bearing [True]: 115.0° to 168.0° Bearing [Mag]: 111.0° to 164.0°		Arc Distance: Out to 69.0 NM Altitude: 4500.0 to 19000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
7	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L	240.8	109.60	UJM	Not Used
	Restriction:	Bearing [True]: 351.0° to 136.0° Bearing [Mag]: 350.0° to 135.0°			Distance: Beyond 25.0 NM Altitude: Below 2800.0 Ft.		
	ESV:	Bearing [True]: 15.0° to 90.0° Bearing [Mag]: 14.0° to 89.0°			Arc Distance: Out to 60.0 NM Altitude: 3500.0 to 18000.0 Ft.		
	ESV:	Bearing [True]: 50.0° to 70.0° Bearing [Mag]: 49.0° to 69.0°			Arc Distance: Out to 59.0 NM Altitude: 3000.0 to 17000.0 Ft.		
8	IGB	N 33° 29' 7.75" W 88° 30' 48.93"	L	240.1	116.20	IGB	Not Used
	ESV:	Bearing [True]: 265.0° to 301.0° Bearing [Mag]: 261.0° to 297.0°			Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 23000.0 Ft.		
	ESV:	Bearing [True]: 260.0° to 319.0° Bearing [Mag]: 256.0° to 315.0°			Arc Distance: Out to 98.0 NM Altitude: 8500.0 to 23000.0 Ft.		
9	MEI	N 32° 22' 42.43" W 88° 48' 15.31"	H	578.1	117.00	MEI	Used
	ESV:	Bearing [True]: 305.0° to 318.0° Bearing [Mag]: 300.0° to 313.0°			Arc Distance: Out to 109.0 NM Altitude: 12000.0 to 25000.0 Ft.		
10	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L	802.1	110.40	HAB	Used
	ESV:	Bearing [True]: 315.0° to 358.0° Bearing [Mag]: 313.0° to 356.0°			Arc Distance: Out to 73.0 NM Altitude: 10000.0 to 15000.0 Ft.		
11	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L	579.7	116.50	MSL	Used
	Restriction:	Bearing [True]: 47.0° to 85.0° Bearing [Mag]: 46.0° to 84.0°			Distance: Beyond 25.0 NM Altitude: Below 2000.0 Ft.		
	ESV:	Bearing [True]: 236.0° to 281.0° Bearing [Mag]: 235.0° to 280.0°			Arc Distance: Out to 90.0 NM Altitude: 7500.0 to 21000.0 Ft.		
	ESV:	Bearing [True]: 296.0° to 350.0° Bearing [Mag]: 295.0° to 349.0°			Arc Distance: Out to 82.0 NM Altitude: 12000.0 to 21000.0 Ft.		
12	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L	630.0	109.40	JKS	Used
	ESV:	Bearing [True]: 236.0° to 245.0° Bearing [Mag]: 234.0° to 243.0°			Arc Distance: Out to 73.0 NM Altitude: 4800.0 to 18000.0 Ft.		
	ESV:	Bearing [True]: 176.0° to 235.0° Bearing [Mag]: 174.0° to 233.0°			Arc Distance: Out to 84.0 NM Altitude: 6200.0 to 19000.0 Ft.		

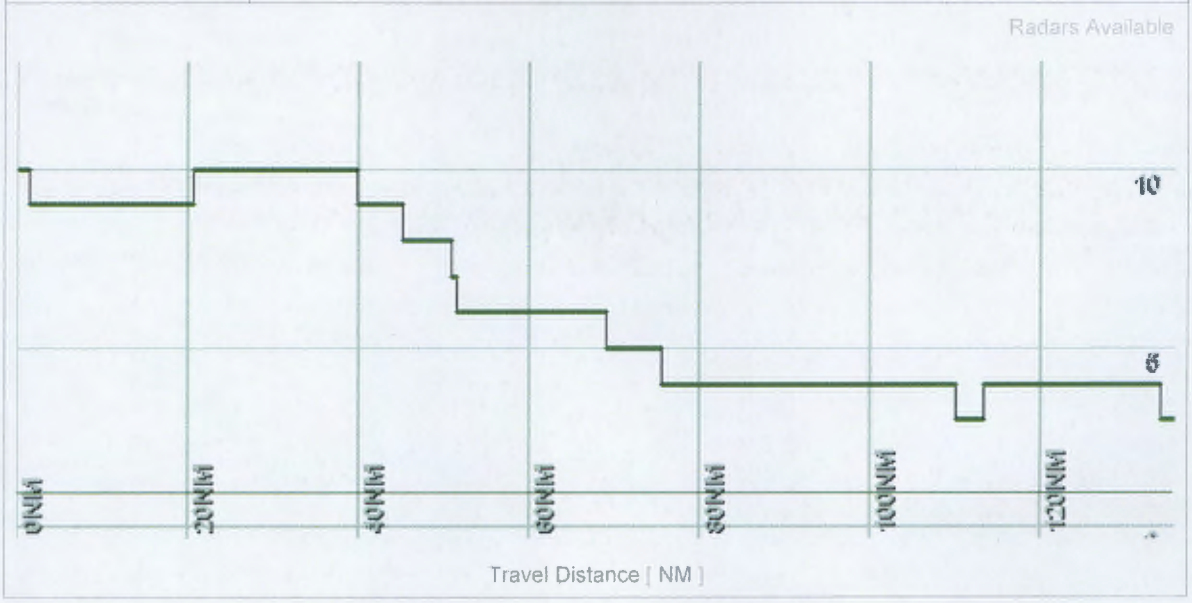
DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	MAW	N 36° 33' 18.41" W 89° 54' 41.12"	L	280.0	111.20	MAW	Not Used
		ESV:	Bearing [True]: 187.0° to 207.0° Bearing [Mag]: 184.0° to 204.0°		Arc Distance: Out to 86.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 146.0° to 183.0° Bearing [Mag]: 143.0° to 180.0°		Arc Distance: Out to 59.0 NM Altitude: 7000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR