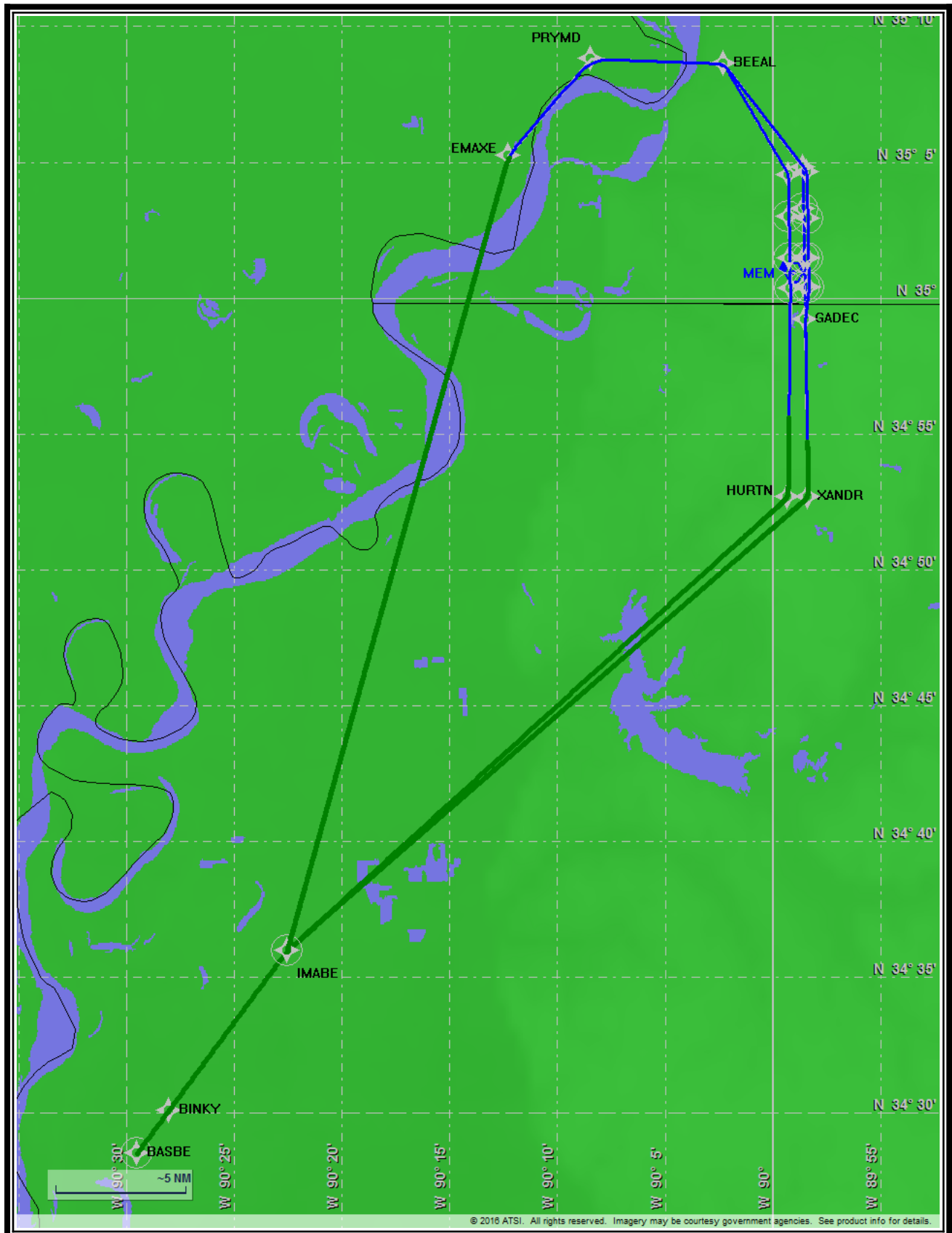


Name: MARK SCHOENHOFF
Project Name: KMEM BINKY4 SID
Output File: KMEM BINKY4 SID
RW18C BASBE
20161107_1211
Procedure Name: BINKY4
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 11/7/2016 12:12:09 PM
Input File: [KMEM BINKY4 SID
RW18C BASBE
20161107_1137.txt](#)
Databases: AIRNAV Date: 10/27/2016
CIFP Date: 8/18/2016
DTED® (MAX) Date: 2002

Results Summary:

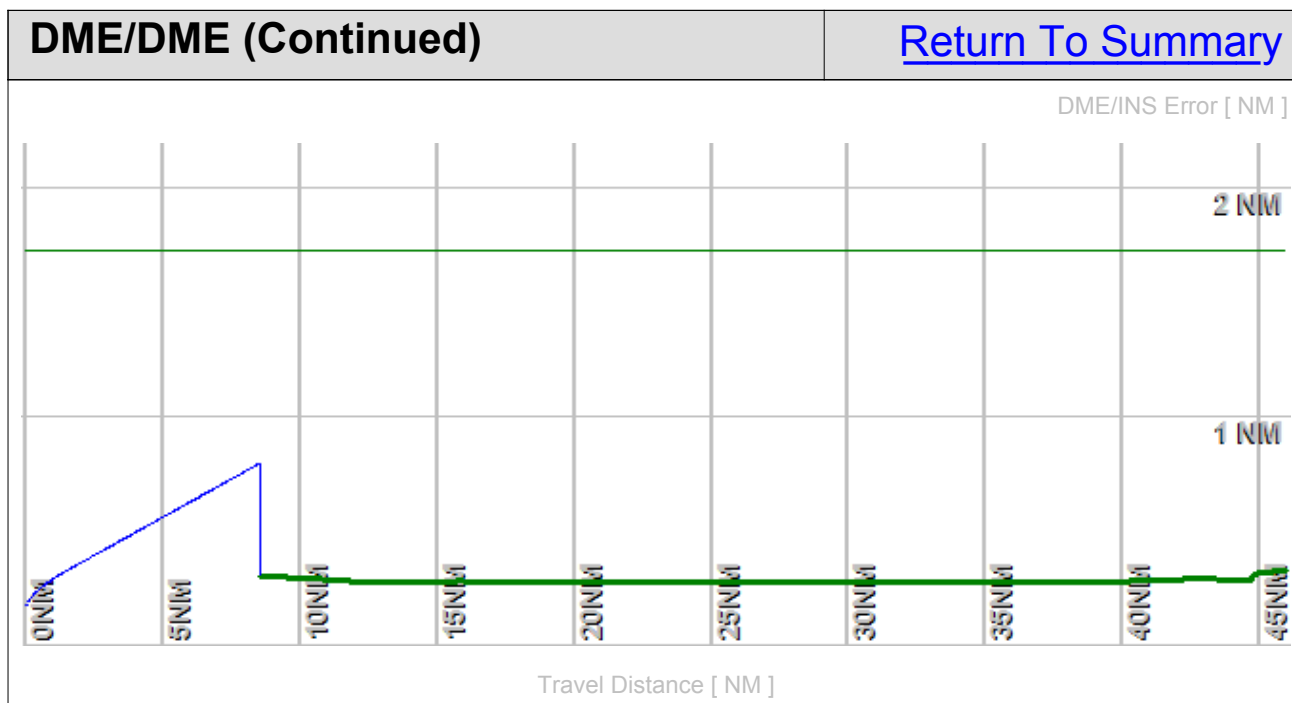
Flyability	✓	Please Check Flyability Results
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18C(...	WP	N 35° 3' 16.54" W 89° 58' 34.21"	270.6	VNAV	0.0	Fly Over	TF
RW36C(...	WP	N 35° 1' 26.58" W 89° 58' 31.90"	375.9	VNAV	130.0	Fly Over	VA
GH18C:	WP	N 35° 0' 24.20" W 89° 58' 30.59"	860.0	VNAV	145.0	Fly Over	DF
GADEC	WP	N 34° 59' 11.38" W 89° 58' 29.05"	1100.0	VNAV	180.0	Fly By	TF
XANDR	WP	N 34° 52' 40.80" W 89° 58' 20.78"	2400.0	VNAV	180.0	Fly By	TF
IMABE	WP	N 34° 35' 57.25" W 90° 22' 32.56"	7400.0	VNAV	180.0	Fly By	TF
BINKY	WP	N 34° 30' 3.94" W 90° 28' 2.64"	8800.0	VNAV	180.0	Fly By	TF
BASBE	WP	N 34° 28' 28.85" W 90° 29' 31.45"	9200.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Runway Departure Selected Airport: KMEM Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -13.76 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

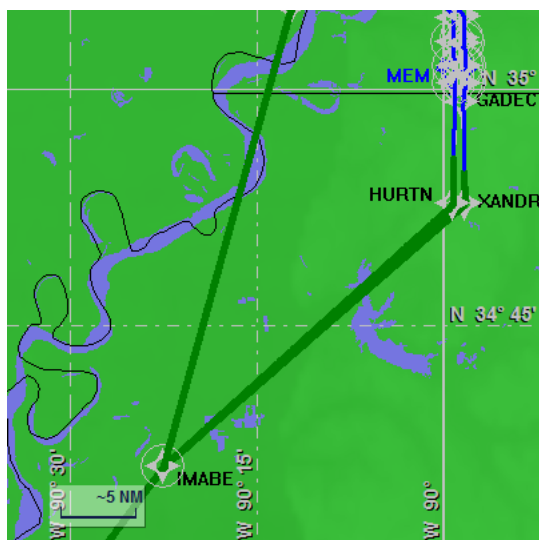
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.165 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
DoD Facilities: Not included		
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Minimum MSL DMEs Avail: 1994 ft		
Total Number of DMEs Used: 4		
Maximum DME Error: 0.798 NM.		
No Critical DMEs were found.		
Available DMEs: GQE, HLI, MEM, UJM		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HLI	N 34° 46' 12.88" W 89° 29' 47.47" 03 E	L	Database	NO	1.161	Enabled	18.4%	16.1%
2	MEM	N 35° 0' 54.42" W 89° 58' 59.55" 01 E	H	Database	NO	1.161	Enabled	21.7%	20.2%
3	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	L + ESV	User	NO	0.798	Enabled	50.1%	61.3%
4	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	L + ESV	User	NO	0.798	Enabled	53.5%	65.4%
	Total Coverage							71.8%	81.5%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.8									
2.8		GQE							
4.1		GQE	HLI	MEM					
10.2		GQE	UJM	HLI	MEM				
36.2		GQE	UJM	MEM					
44.0		GQE	UJM	MEM					
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	
1	N 35° 3' 16.54" W 89° 58' 34.21"			N 34° 54' 44.86" W 89° 58' 23.40"				8.5	
VOR: HLI			Available from N 35° 3' 16.54" W 89° 58' 34.21" to N 34° 54' 44.86" W 89° 58' 23.40"						
VOR: GQE			Available from N 35° 3' 16.54" W 89° 58' 34.21" to N 34° 54' 44.86" W 89° 58' 23.40"						
VOR: MEM			Available from N 35° 3' 16.54" W 89° 58' 34.21" to N 34° 54' 44.86" W 89° 58' 23.40"						
VOR: MEM			Available from N 35° 3' 16.54" W 89° 58' 34.21" to N 34° 54' 44.86" W 89° 58' 23.40"						

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW18C(AER)	RW36C(DER)	
RW36C(DER)	GH18C:	
GH18C:	GADEC	GQE
GADEC	XANDR	GQE, HLI, and MEM
XANDR	IMABE	UJM, GQE, HLI, and MEM
IMABE	BINKY	UJM, GQE, and MEM
BINKY	BASBE	UJM, GQE, and MEM

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KMEM BINKY2 SID RW18C BASBE 20130403_1338.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	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		
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	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		



Name: MARK SCHOENHOFF
Project Name: KMEM BINKY4 SID
Output File: KMEM BINKY4 SID RW18L
IMABE 20161107_1211
Procedure Name: BINKY4
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 11/7/2016 12:15:31 PM
Input File: [KMEM BINKY4 SID RW18L
IMABE 20161107_1147.txt](#)
Databases: AIRNAV Date: 10/27/2016
CIFP Date: 8/18/2016
DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability** Results

DME/DME



No Critical DMEs Exist

Radars

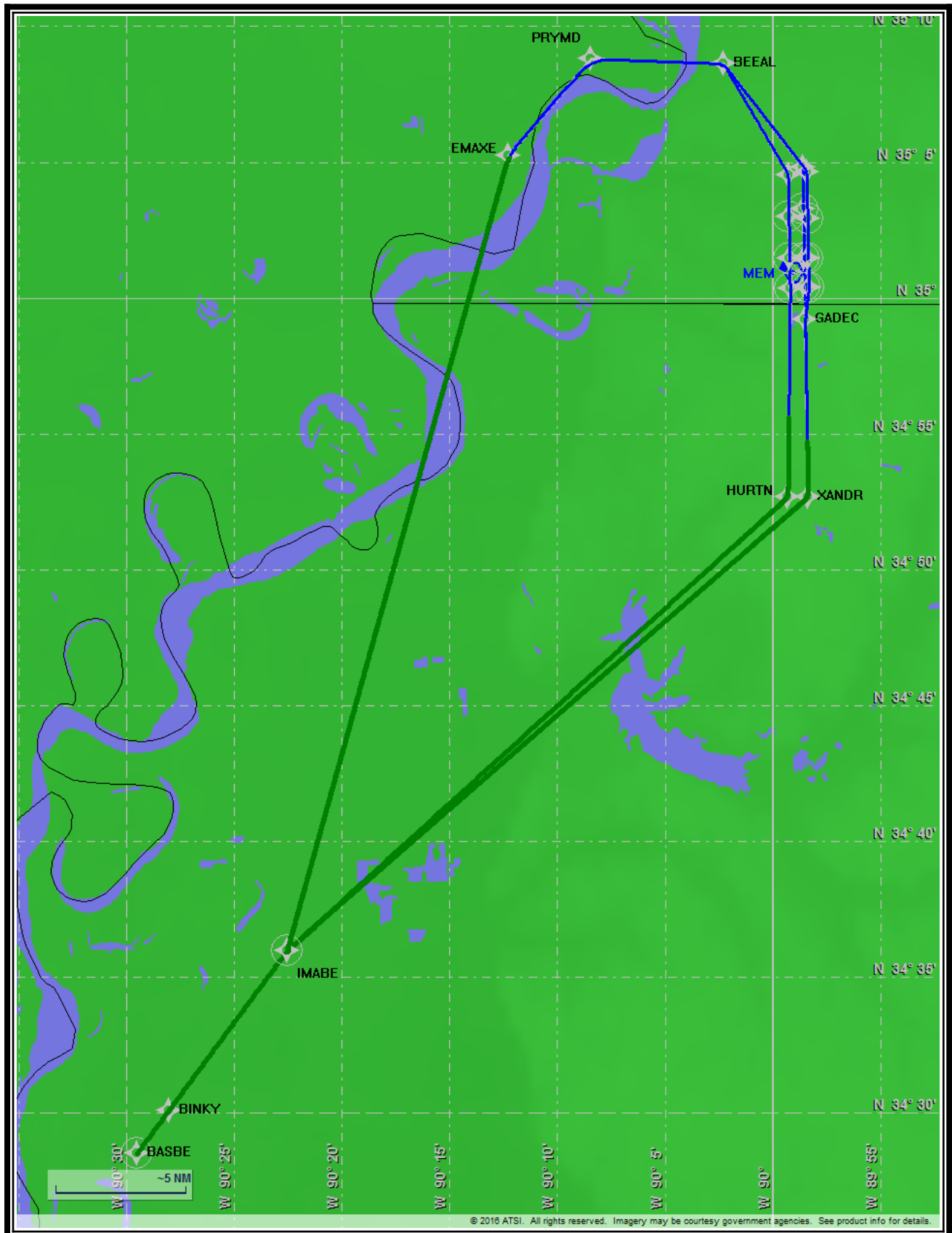


Comms



TERPS

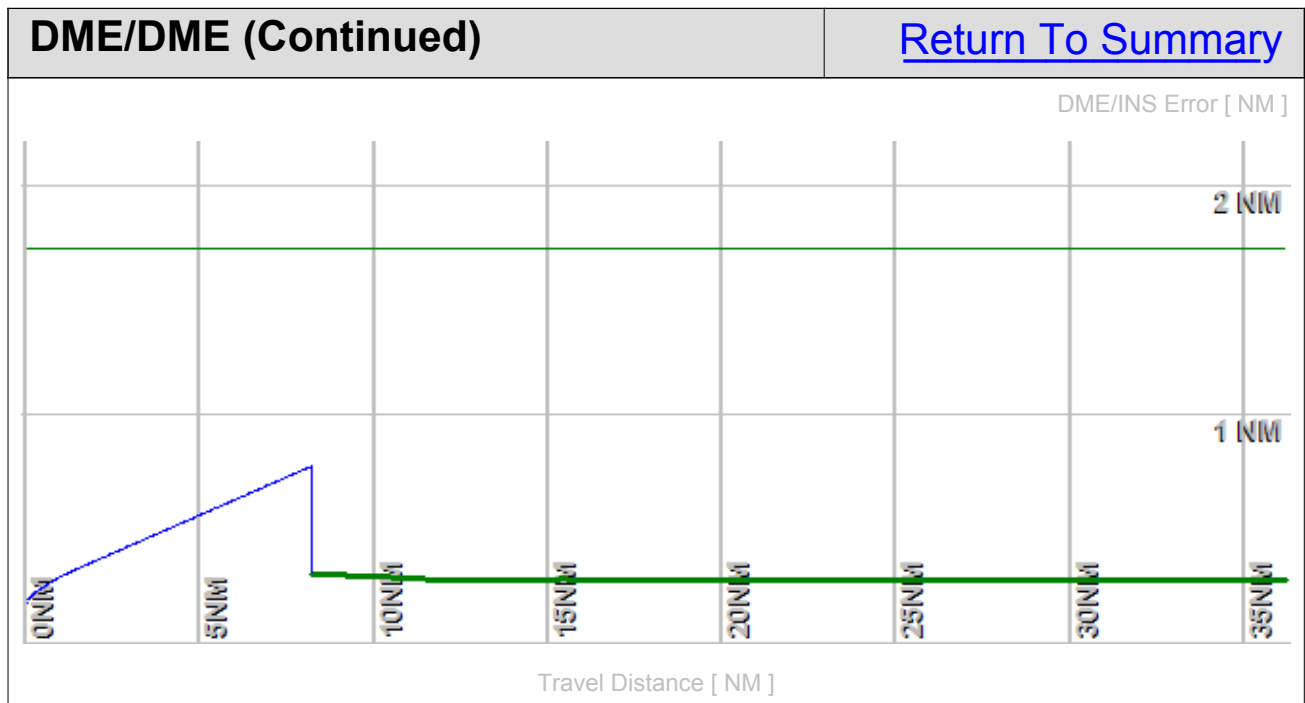




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18L(...	WP	N 35° 2' 55.74" W 89° 58' 22.63"	277.5	VNAV	0.0	Fly Over	TF
RW36R(...	WP	N 35° 1' 26.74" W 89° 58' 20.75"	369.7	VNAV	130.0	Fly Over	VA
GH18L:	WP	N 35° 0' 23.61" W 89° 58' 19.41"	860.0	VNAV	145.0	Fly Over	DF
GADEC	WP	N 34° 59' 11.38" W 89° 58' 29.05"	1100.0	VNAV	180.0	Fly By	TF
XANDR	WP	N 34° 52' 40.80" W 89° 58' 20.78"	2400.0	VNAV	180.0	Fly By	TF
IMABE	WP	N 34° 35' 57.25" W 90° 22' 32.56"	7400.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Runway Departure Selected Airport: KMEM Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -21.46 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

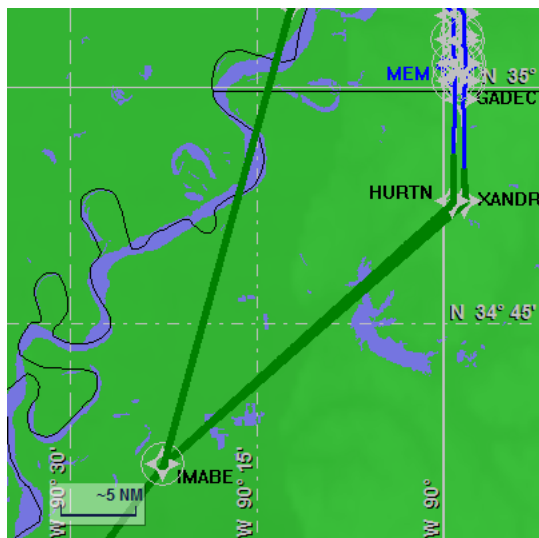
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.165 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
DoD Facilities: Not included		
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Minimum MSL DMEs Avail: 1995 ft		
Total Number of DMEs Used: 4		
Maximum DME Error: 0.776 NM.		
No Critical DMEs were found.		
Available DMEs: GQE, HLI, MEM, UJM		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HLI	N 34° 46' 12.88" W 89° 29' 47.47" 03 E	L	Database	NO	1.138	Enabled	22.1%	20.1%
2	MEM	N 35° 0' 54.42" W 89° 58' 59.55" 01 E	H	Database	NO	1.138	Enabled	22.1%	20.1%
3	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	L + ESV	User	NO	0.776	Enabled	44.8%	57.3%
4	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	L + ESV	User	NO	0.776	Enabled	44.8%	57.3%
	Total Coverage							67.0%	77.4%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.5									
2.5		GQE							
3.6		GQE	HLI	MEM					
9.9		GQE	UJM	HLI	MEM				
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 35° 2' 55.74" W 89° 58' 22.63"			N 34° 54' 44.50" W 89° 58' 23.47"			8.2		
VOR: HLI				Available from N 35° 2' 55.74" W 89° 58' 22.63" to N 34° 54' 44.50" W 89° 58' 23.47"					
VOR: GQE				Available from N 35° 2' 55.74" W 89° 58' 22.63" to N 34° 54' 44.50" W 89° 58' 23.47"					
VOR: MEM				Available from N 35° 2' 55.74" W 89° 58' 22.63" to N 34° 54' 44.50" W 89° 58' 23.47"					
VOR: MEM				Available from N 35° 2' 55.74" W 89° 58' 22.63" to N 34° 54' 44.50" W 89° 58' 23.47"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW18L(AER)	RW36R(DER)	
RW36R(DER)	GH18L:	
GH18L:	GADEC	GQE
GADEC	XANDR	GQE, HLI, and MEM
XANDR	IMABE	UJM, GQE, HLI, and MEM

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KMEM BINKY2 SID RW18C BASBE 20130403_1338.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	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		
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	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		



Name: MARK SCHOENHOFF
Project Name: KMEM BINKY4 SID
Output File: KMEM BINKY4 SID
RW18R IMABE
20161107_1211
Procedure Name: BINKY4
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 11/7/2016 12:19:32 PM
Input File: [KMEM BINKY4 SID
RW18R IMABE
20161107_1148.txt](#)
Databases: AIRNAV Date: 10/27/2016
CIFP Date: 8/18/2016
DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability Results**

DME/DME



No Critical DMEs Exist

Radars

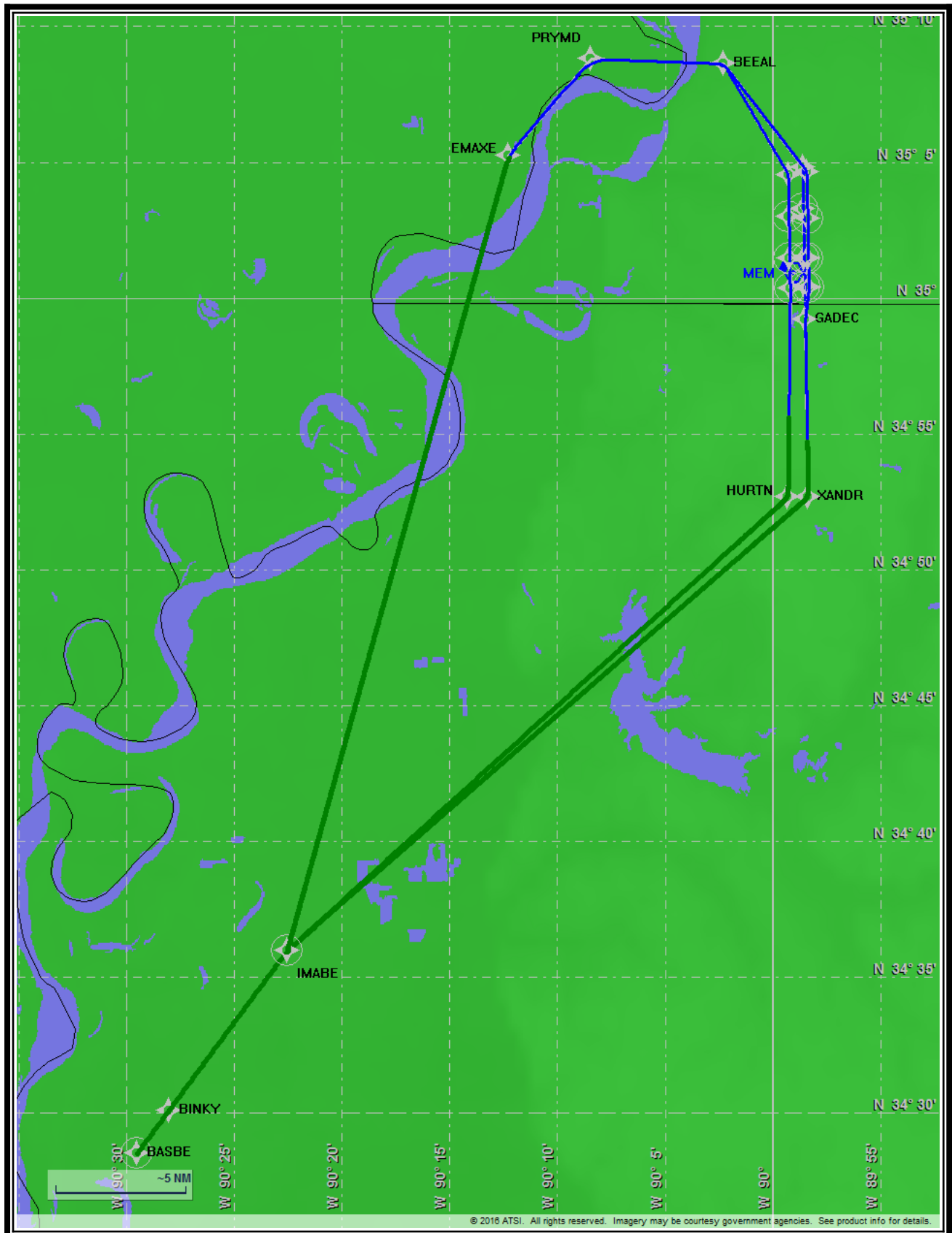


Comms



TERPS

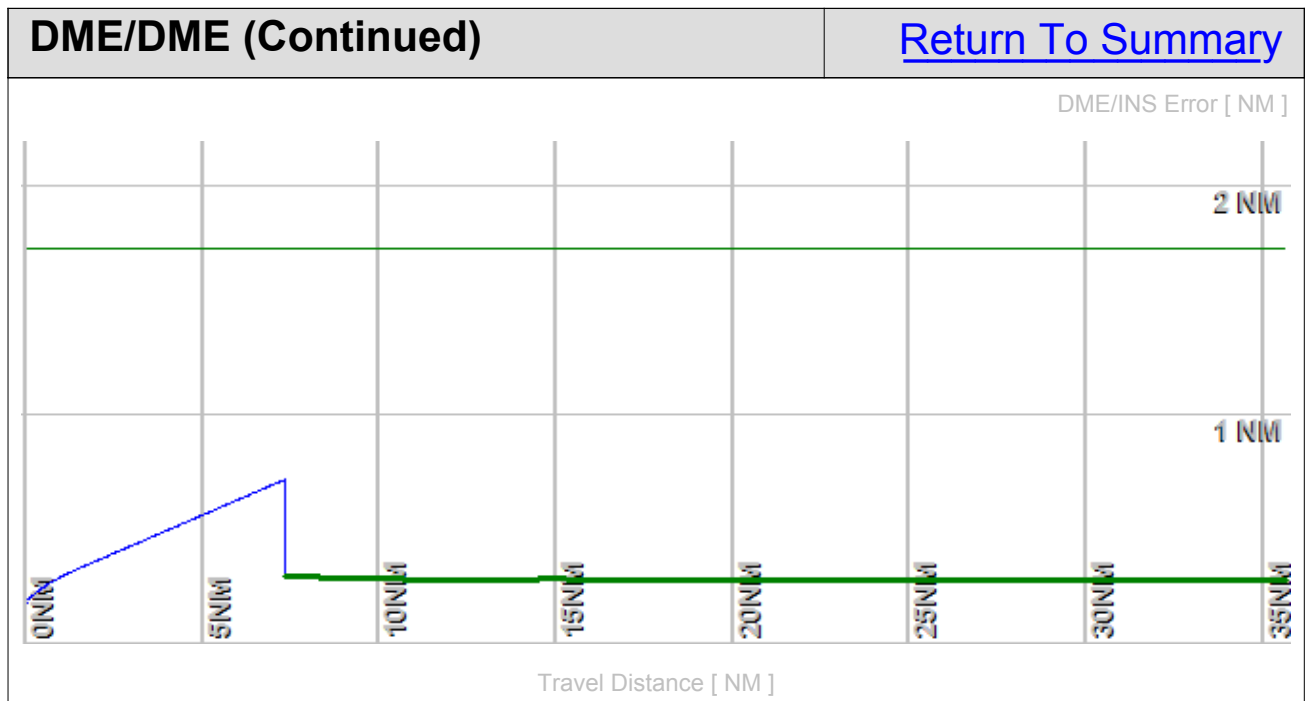




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18R(...	WP	N 35° 2' 58.16" W 89° 59' 14.79"	288.4	VNAV	0.0	Fly Over	TF
RW36L(...	WP	N 35° 1' 25.98" W 89° 59' 12.81"	355.8	VNAV	130.0	Fly Over	VA
GH18R:	WP	N 35° 0' 21.19" W 89° 59' 11.43"	860.0	VNAV	145.0	Fly Over	DF
HURTN	WP	N 34° 52' 40.27" W 89° 59' 17.36"	2400.0	VNAV	180.0	Fly By	TF
IMABE	WP	N 34° 35' 57.25" W 90° 22' 32.56"	7400.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Runway Departure Selected Airport: KMEM Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -16.89 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

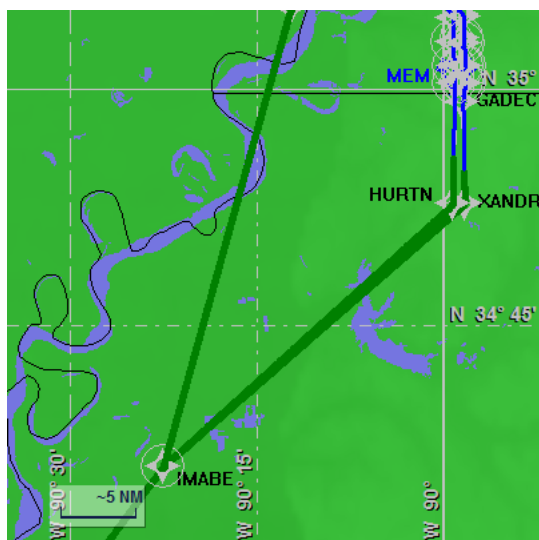
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.165 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
DoD Facilities: Not included		
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Minimum MSL DMEs Avail: 1811 ft		
Total Number of DMEs Used: 4		
Maximum DME Error: 0.718 NM.		
No Critical DMEs were found.		
Available DMEs: GQE, HLI, MEM, UJM		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HLI	N 34° 46' 12.88" W 89° 29' 47.47" 03 E	L	Database	NO	1.136	Enabled	25.2%	22.3%
2	MEM	N 35° 0' 54.42" W 89° 58' 59.55" 01 E	H	Database	NO	1.136	Enabled	25.2%	22.3%
3	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	L + ESV	User	NO	0.718	Enabled	44.6%	57.2%
4	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	L + ESV	User	NO	0.718	Enabled	44.6%	57.2%
	Total Coverage							69.7%	79.5%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.5									
2.5		HLI	MEM	GQE					
10.0		HLI	MEM	GQE	UJM				
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 35° 2' 58.16" W 89° 59' 14.79"			N 34° 55' 38.55" W 89° 59' 15.00"			7.3		
VOR: HLI				Available from N 35° 2' 58.16" W 89° 59' 14.79" to N 34° 55' 38.55" W 89° 59' 15.00"					
VOR: GQE				Available from N 35° 2' 58.16" W 89° 59' 14.79" to N 34° 55' 38.55" W 89° 59' 15.00"					
VOR: MEM				Available from N 35° 2' 58.16" W 89° 59' 14.79" to N 34° 55' 38.55" W 89° 59' 15.00"					
VOR: MEM				Available from N 35° 2' 58.16" W 89° 59' 14.79" to N 34° 55' 38.55" W 89° 59' 15.00"					
VOR: UJM				Available from N 34° 55' 38.55" W 89° 59' 15.00" to N 34° 55' 38.55" W 89° 59' 15.00"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW18R(AER)	RW36L(DER)	
RW36L(DER)	GH18R:	
GH18R:	HURTN	GQE, HLI, and MEM
HURTN	IMABE	UJM, GQE, HLI, and MEM

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KMEM BINKY2 SID RW18C BASBE 20130403_1338.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	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		
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	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		



Name: MARK SCHOENHOFF
Project Name: KMEM BINKY4 SID
Output File: KMEM BINKY4 SID
RW36C IMABE
20161107_1211
Procedure Name: BINKY4
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 11/7/2016 12:21:06 PM
Input File: [KMEM BINKY4 SID
RW36C IMABE
20161107_1151.txt](#)
Databases: AIRNAV Date: 10/27/2016
CIFP Date: 8/18/2016
DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability Results**

DME/DME



No Critical DMEs Exist

Radars

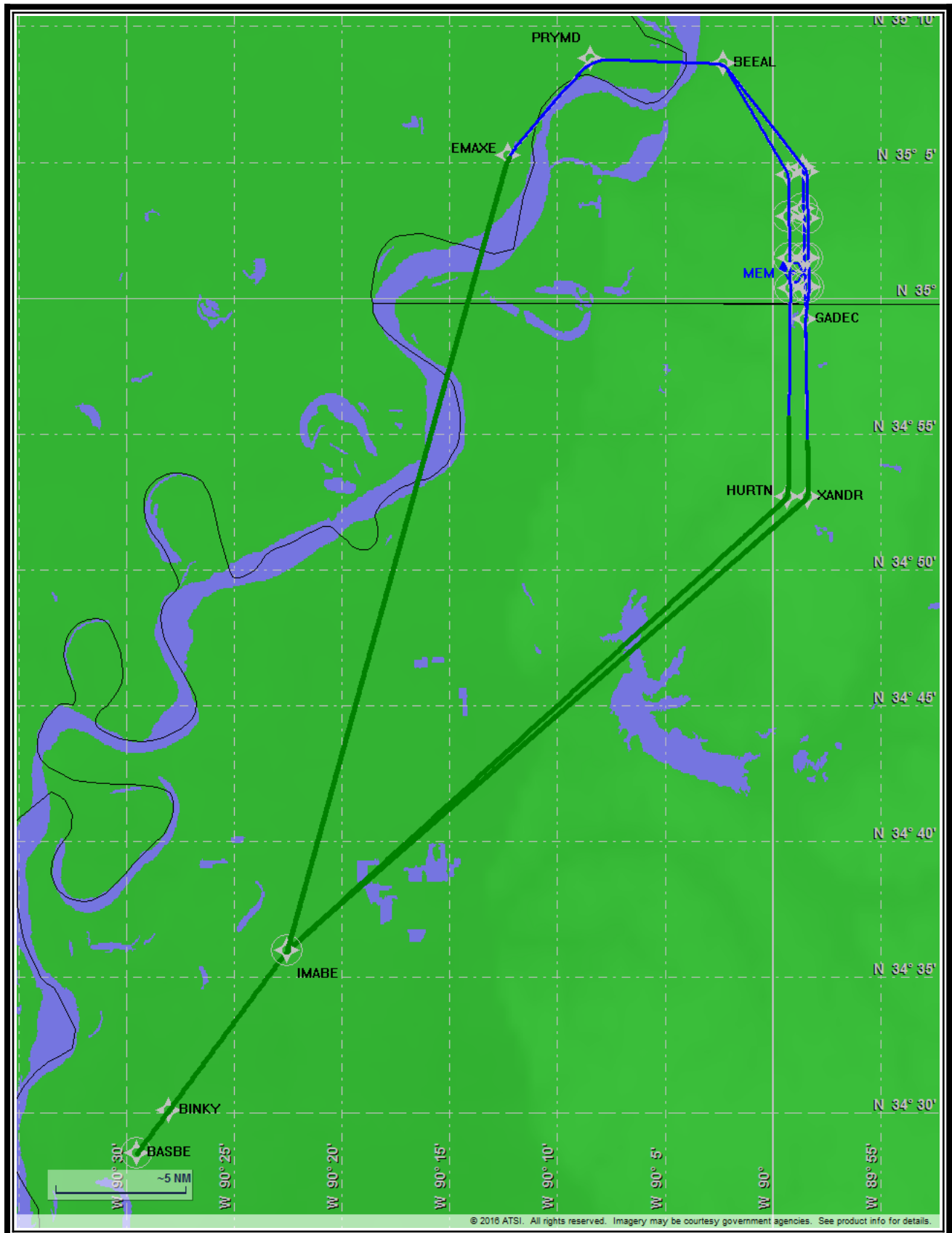


Comms



TERPS

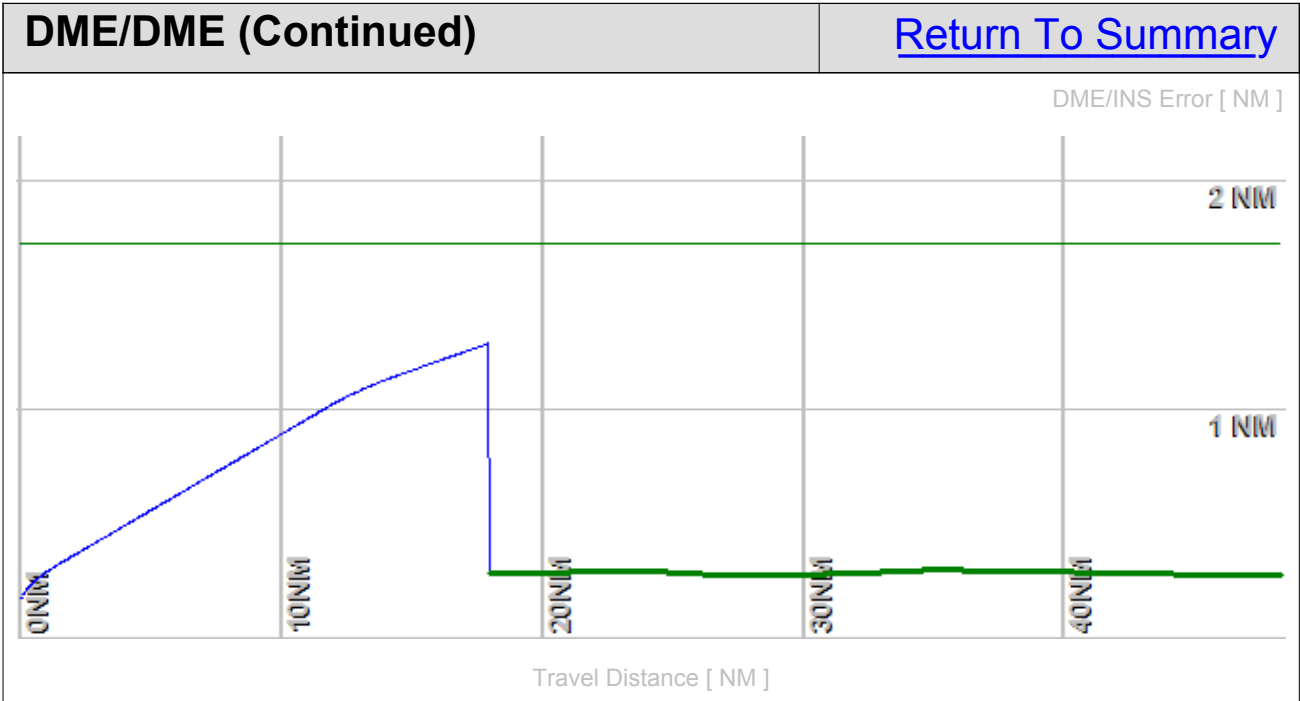




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36C(...	WP	N 35° 1' 26.58" W 89° 58' 31.90"	340.9	VNAV	0.0	Fly By	TF
RW18C(...	WP	N 35° 3' 16.54" W 89° 58' 34.21"	305.6	VNAV	130.0	Fly Over	VI
GH36C:	WP	N 35° 4' 48.66" W 89° 58' 36.15"	860.0	VNAV	145.0	Fly By	CF - 321.5°
BEEAL	WP	N 35° 8' 37.23" W 90° 2' 17.24"	1900.0	VNAV	180.0	Fly By	TF
PRYMD	WP	N 35° 8' 48.18" W 90° 8' 27.62"	2900.0	VNAV	180.0	Fly By	TF
EMAXE	WP	N 35° 5' 14.52" W 90° 12' 15.67"	3900.0	VNAV	180.0	Fly By	TF
IMABE	WP	N 34° 35' 57.25" W 90° 22' 32.56"	7400.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Runway Departure Selected Airport: KMEM Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Required IAS at Fly-By WP PRYMD could not be reached with given A/C acceleration performance. Flight Track comes into contact with terrain. Minimum AGL along route was -23.27 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

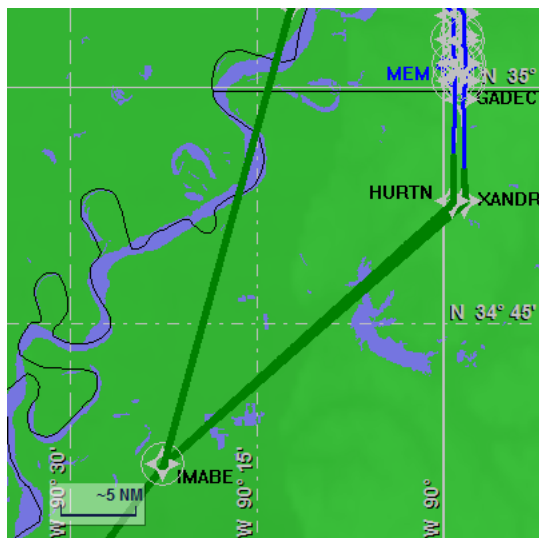
DME/DME		Return To Summary
Settings:	RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.165 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated Minimum MSL DMEs Avail: 3908 ft	
Total Number of DMEs Used: 3 Maximum DME Error: 1.292 NM. No Critical DMEs were found. Available DMEs: MEM, GQE, HLI, UJM		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	L + ESV	User	NO	1.371	Enabled	51.9%	62.9%
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	L + ESV	User	NO	1.332	Enabled	33.6%	40.7%
3	MEM	N 35° 0' 54.42" W 89° 58' 59.55" 01 E	H	Database	NO	1.292	Enabled	18.3%	22.2%
	Total Coverage							51.9%	62.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.8									
3.1		GQE	MEM	HLI					
7.9		GQE	MEM	HLI					
12.5		GQE	MEM						
17.3		GQE	MEM	UJM					
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 35° 1' 26.58" W 89° 58' 31.90"			N 35° 5' 10.81" W 90° 12' 13.57"			17.9		
VOR: HLI				Available from N 35° 1' 26.58" W 89° 58' 31.90" to N 35° 5' 10.81" W 90° 12' 13.57"					
VOR: GQE				Available from N 35° 1' 26.58" W 89° 58' 31.90" to N 35° 5' 10.81" W 90° 12' 13.57"					
VOR: MEM				Available from N 35° 1' 26.58" W 89° 58' 31.90" to N 35° 5' 10.81" W 90° 12' 13.57"					
VOR: MEM				Available from N 35° 1' 26.58" W 89° 58' 31.90" to N 35° 5' 10.81" W 90° 12' 13.57"					
VOR: UJM				Available from N 35° 6' 20.70" W 90° 11' 4.71" to N 35° 5' 10.81" W 90° 12' 13.57"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW36C(AER)	RW18C(DER)	
RW18C(DER)	GH36C:	
GH36C:	BEEAL	GQE, HLI, and MEM
BEEAL	PRYMD	GQE, HLI, and MEM
PRYMD	EMAXE	GQE and MEM
EMAXE	IMABE	UJM, GQE, and MEM

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KMEM BINKY2 SID RW18C BASBE 20130403_1338.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	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		
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	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		



Name: MARK SCHOENHOFF
Project Name: KMEM BINKY4 SID
Output File: KMEM BINKY4 SID RW36L
IMABE 20161107_1211
Procedure Name: BINKY4
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 11/7/2016 12:24:58 PM
Input File: [KMEM BINKY4 SID RW36L
IMABE 20161107_1152.txt](#)
Databases: AIRNAV Date: 10/27/2016
CIFP Date: 8/18/2016
DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check Flyability Results

DME/DME



No Critical DMEs Exist

Radars

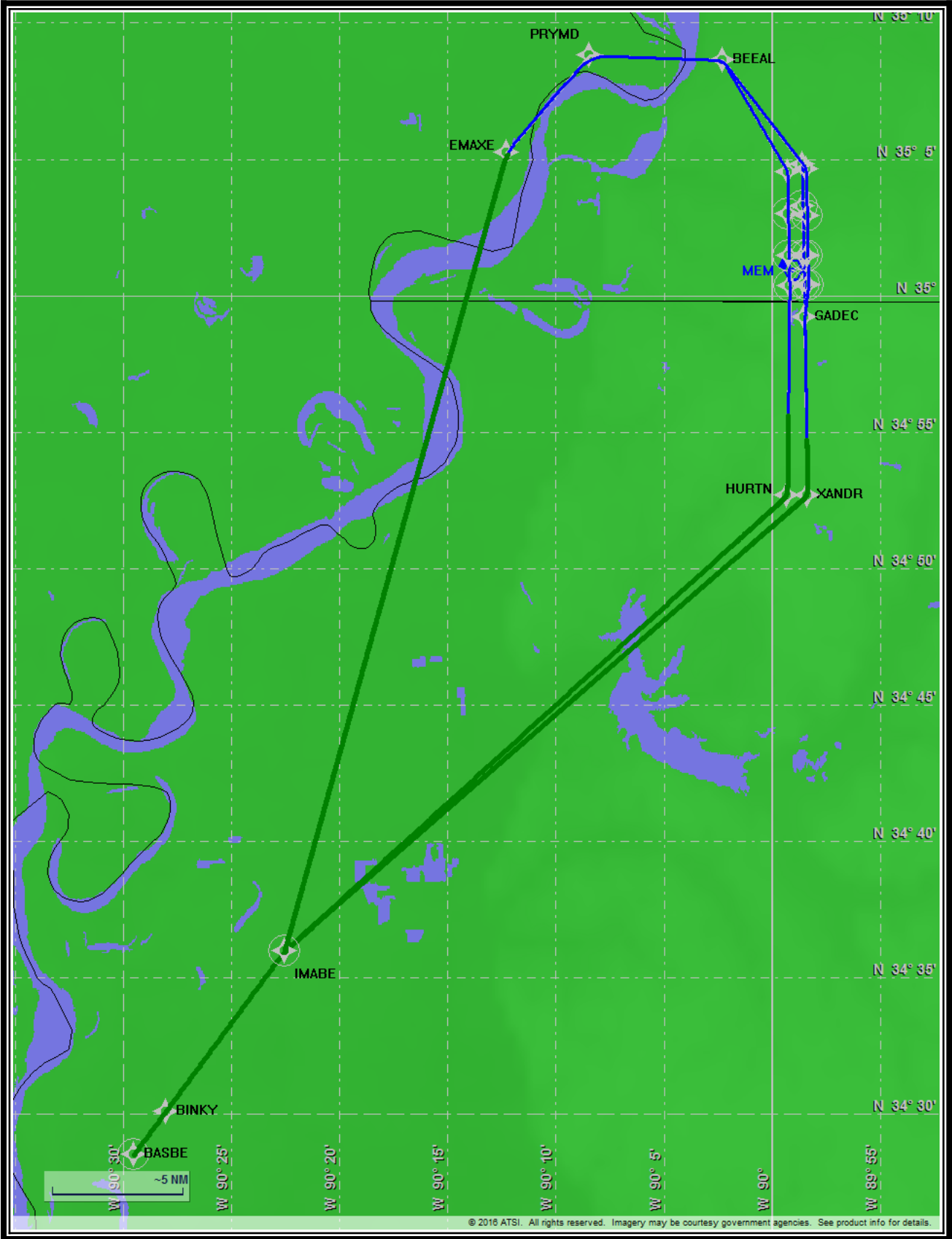


Comms



TERPS

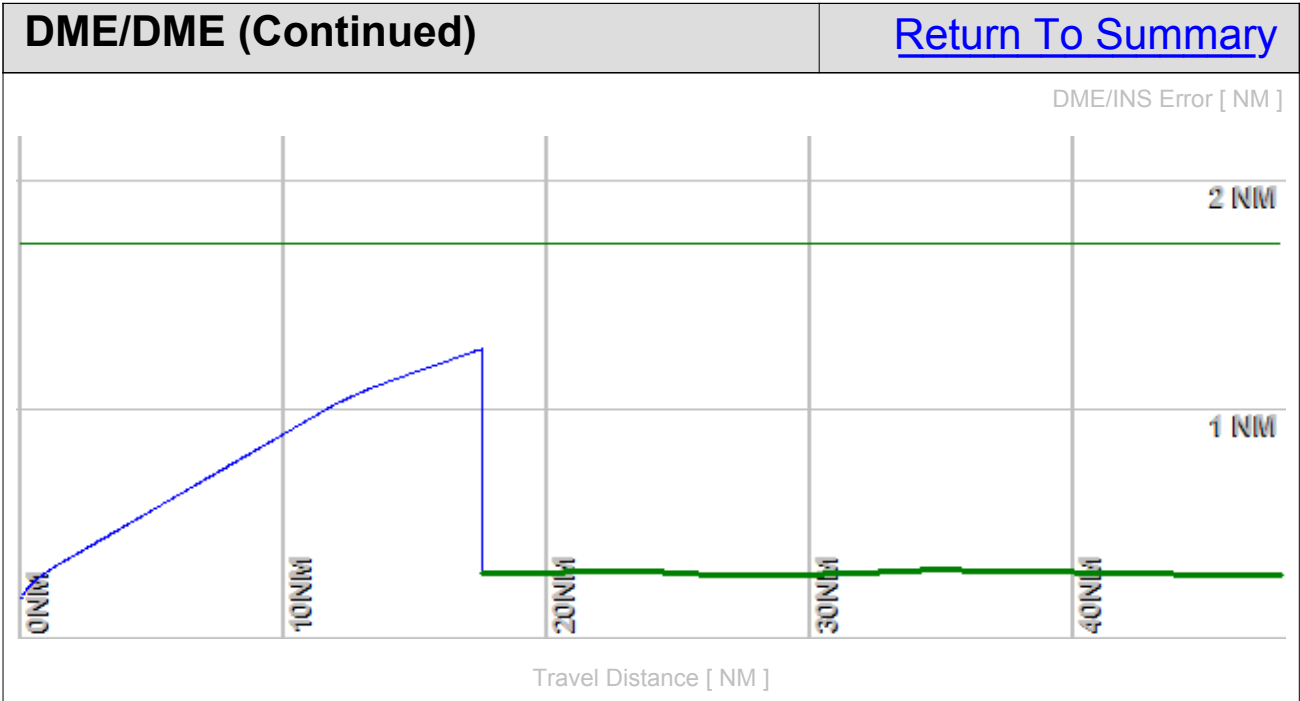




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36L(...	WP	N 35° 1' 25.98" W 89° 59' 12.81"	320.8	VNAV	0.0	Fly By	TF
RW18R(...	WP	N 35° 2' 58.16" W 89° 59' 14.79"	323.4	VNAV	130.0	Fly Over	VI
GH36L:	WP	N 35° 4' 30.49" W 89° 59' 16.78"	860.0	VNAV	145.0	Fly By	CF - 329.0°
BEEAL	WP	N 35° 8' 37.23" W 90° 2' 17.24"	1900.0	VNAV	180.0	Fly By	TF
PRYMD	WP	N 35° 8' 48.18" W 90° 8' 27.62"	2900.0	VNAV	180.0	Fly By	TF
EMAXE	WP	N 35° 5' 14.52" W 90° 12' 15.67"	3900.0	VNAV	180.0	Fly By	TF
IMABE	WP	N 34° 35' 57.25" W 90° 22' 32.56"	7400.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Runway Departure Selected Airport: KMEM Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Required IAS at Fly-By WP PRYMD could not be reached with given A/C acceleration performance. Flight Track comes into contact with terrain. Minimum AGL along route was -43.37 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

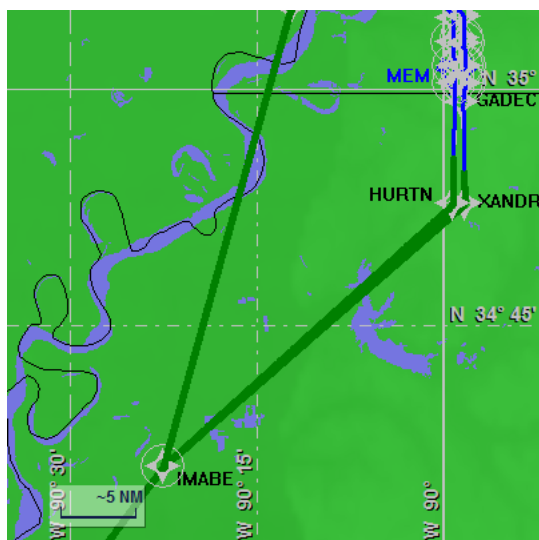
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.165 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
DoD Facilities: Not included		
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Minimum MSL DMEs Avail: 3902 ft		
Total Number of DMEs Used: 3		
Maximum DME Error: 1.267 NM.		
No Critical DMEs were found.		
Available DMEs: GQE, MEM, HLI, UJM		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	L + ESV	User	NO	1.371	Enabled	52.4%	63.5%
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	L + ESV	User	NO	1.309	Enabled	33.9%	41.1%
3	MEM	N 35° 0' 54.42" W 89° 58' 59.55" 01 E	H	Database	NO	1.267	Enabled	18.5%	22.4%
	Total Coverage							52.4%	63.5%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.5									
2.9		GQE	MEM	HLI					
7.5		GQE	MEM	HLI					
12.1		GQE	MEM						
16.9		GQE	MEM	UJM					
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 35° 1' 25.98" W 89° 59' 12.81"			N 35° 5' 12.86" W 90° 12' 12.23"			17.5		
VOR: HLI				Available from N 35° 1' 25.98" W 89° 59' 12.81" to N 35° 5' 12.86" W 90° 12' 12.23"					
VOR: GQE				Available from N 35° 1' 25.98" W 89° 59' 12.81" to N 35° 5' 12.86" W 90° 12' 12.23"					
VOR: MEM				Available from N 35° 1' 25.98" W 89° 59' 12.81" to N 35° 5' 12.86" W 90° 12' 12.23"					
VOR: MEM				Available from N 35° 1' 25.98" W 89° 59' 12.81" to N 35° 5' 12.86" W 90° 12' 12.23"					
VOR: UJM				Available from N 35° 6' 22.45" W 90° 11' 2.83" to N 35° 5' 12.86" W 90° 12' 12.23"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW36L(AER)	RW18R(DER)	
RW18R(DER)	GH36L:	
GH36L:	BEEAL	GQE, HLI, and MEM
BEEAL	PRYMD	GQE, HLI, and MEM
PRYMD	EMAXE	GQE and MEM
EMAXE	IMABE	UJM, GQE, and MEM

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KMEM BINKY2 SID RW18C BASBE 20130403_1338.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	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		
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	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		



Name: MARK SCHOENHOFF
Project Name: KMEM BINKY4 SID
Output File: KMEM BINKY4 SID
RW36R IMABE
20161107_1211
Procedure Name: BINKY4
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 11/7/2016 12:26:22 PM
Input File: [KMEM BINKY4 SID
RW36R IMABE
20161107_1154.txt](#)
Databases: AIRNAV Date: 10/27/2016
CIFP Date: 8/18/2016
DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability** Results

DME/DME



No Critical DMEs Exist

Radars

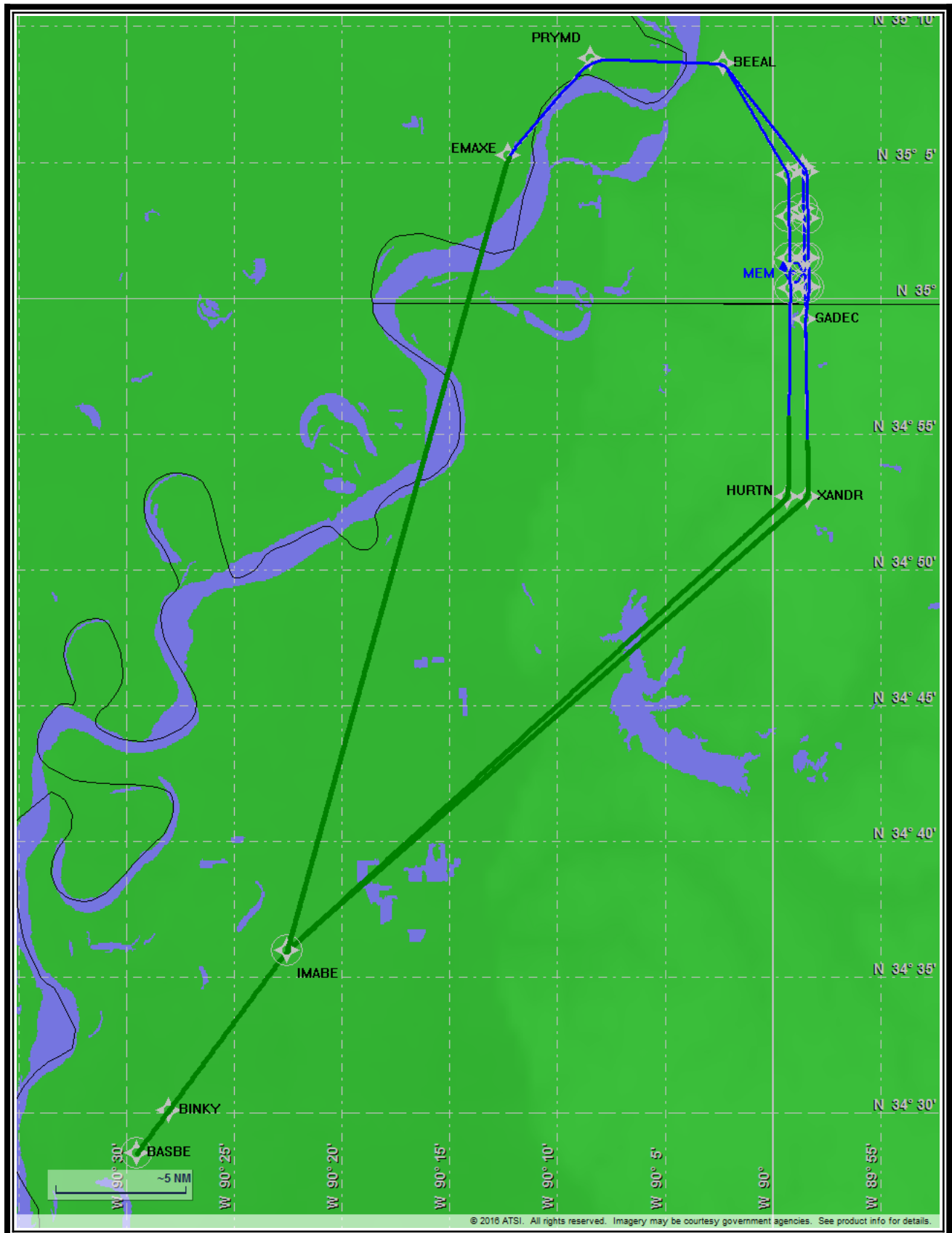


Comms



TERPS

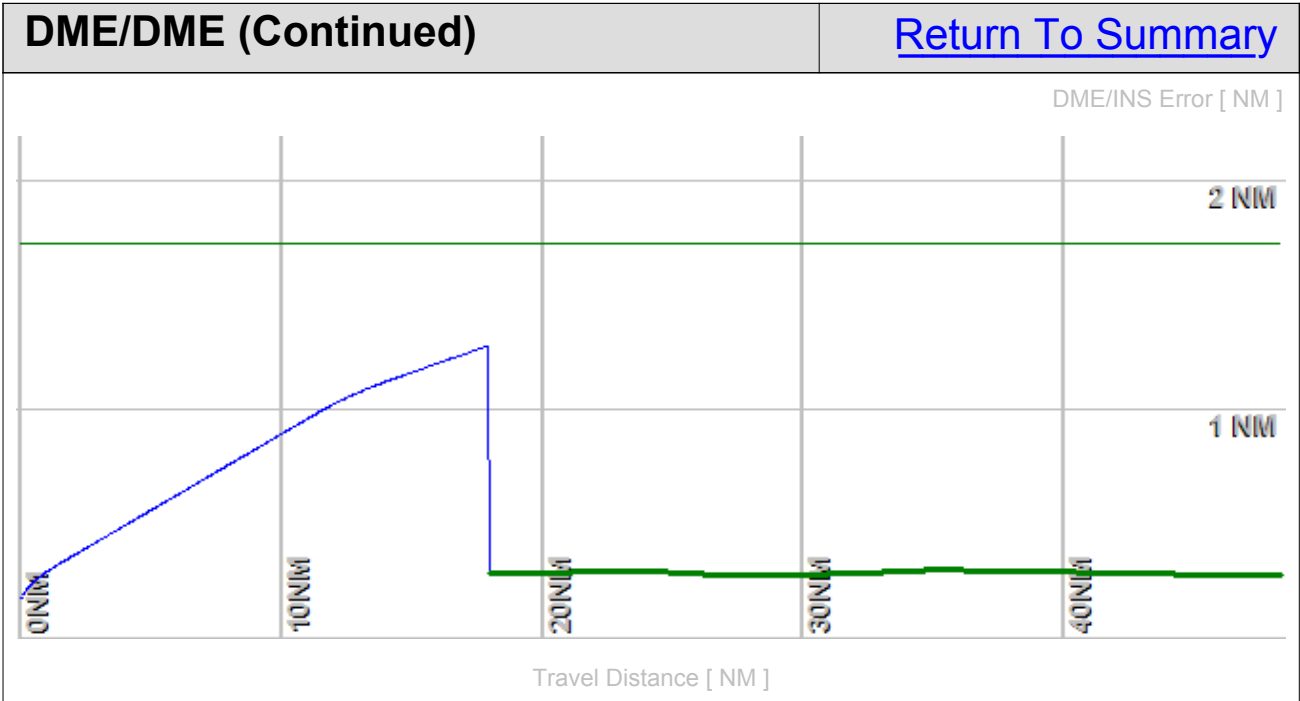




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36R(...	WP	N 35° 1' 26.74" W 89° 58' 20.75"	334.7	VNAV	0.0	Fly By	TF
RW18L(...	WP	N 35° 2' 55.74" W 89° 58' 22.63"	312.5	VNAV	130.0	Fly Over	VI
GH36R:	WP	N 35° 4' 37.08" W 89° 58' 24.78"	860.0	VNAV	145.0	Fly By	CF - 321.5°
BEEAL	WP	N 35° 8' 37.23" W 90° 2' 17.24"	1900.0	VNAV	145.0	Fly By	TF
PRYMD	WP	N 35° 8' 48.18" W 90° 8' 27.62"	2900.0	VNAV	180.0	Fly By	TF
EMAXE	WP	N 35° 5' 14.52" W 90° 12' 15.67"	3900.0	VNAV	180.0	Fly By	TF
IMABE	WP	N 34° 35' 57.25" W 90° 22' 32.56"	7400.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Runway Departure	
	Selected Airport: KMEM	
	Aircraft Category: Cat D	
	Climb Gradient: 500.0 ft/NM up to 860.0 ft MSL	
	Ground Speeds: Departure: 120.0 Kts out to 10.0 NM Table: <div>200.0 Kts up to 11000.0 ft</div> <div>240.0 Kts up to 18000.0 ft</div> <div>260.0 Kts up to 24000.0 ft</div> <div>340.0 Kts up to 99900.0 ft</div> Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
Required IAS at Fly-By WP PRYMD could not be reached with given A/C acceleration performance.		
Flight Track comes into contact with terrain. Minimum AGL along route was -29.47 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.		

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: 0.165 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, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
DoD Facilities: Not included		
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Minimum MSL DMEs Avail: 3901 ft		
Total Number of DMEs Used: 3		
Maximum DME Error: 1.283 NM.		
No Critical DMEs were found.		
Available DMEs: GQE, MEM, HLI, UJM		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	L + ESV	User	NO	1.371	Enabled	52.1%	62.9%
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	L + ESV	User	NO	1.325	Enabled	33.7%	40.7%
3	MEM	N 35° 0' 54.42" W 89° 58' 59.55" 01 E	H	Database	NO	1.283	Enabled	18.4%	22.2%
	Total Coverage							52.1%	62.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.5									
2.9		GQE	MEM	HLI					
7.9		GQE	MEM	HLI					
12.5		GQE	MEM						
17.4		GQE	MEM	UJM					
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 35° 1' 26.74" W 89° 58' 20.75"			N 35° 5' 13.22" W 90° 12' 11.98"			17.9		
VOR: HLI				Available from N 35° 1' 26.74" W 89° 58' 20.75" to N 35° 5' 13.22" W 90° 12' 11.98"					
VOR: GQE				Available from N 35° 1' 26.74" W 89° 58' 20.75" to N 35° 5' 13.22" W 90° 12' 11.98"					
VOR: MEM				Available from N 35° 1' 26.74" W 89° 58' 20.75" to N 35° 5' 13.22" W 90° 12' 11.98"					
VOR: MEM				Available from N 35° 1' 26.74" W 89° 58' 20.75" to N 35° 5' 13.22" W 90° 12' 11.98"					
VOR: UJM				Available from N 35° 6' 22.75" W 90° 11' 2.49" to N 35° 5' 13.22" W 90° 12' 11.98"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW36R(AER)	RW18L(DER)	
RW18L(DER)	GH36R:	
GH36R:	BEEAL	GQE, HLI, and MEM
BEEAL	PRYMD	GQE, HLI, and MEM
PRYMD	EMAXE	GQE and MEM
EMAXE	IMABE	UJM, GQE, and MEM

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KMEM BINKY2 SID RW18C BASBE 20130403_1338.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GQE	N 35° 20' 49.31" W 90° 28' 41.37" 04 E	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		
2	UJM	N 34° 34' 30.16" W 90° 40' 27.84" 01 E	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		

ESVMS Information for DME: **GQE**

***Radial 1:** 106.0 Magnetic° ***Alt Minimum:** 032 '00 ft (MSL) ***Distance:** 62 NML

***Radial 2:** 196.0 Magnetic° ***Alt Maximum:** 190 '00 ft (MSL) 

***Requirement:** USER DEFINED

ESVMS Information for DME: **UJM**

***Radial 1:** 014.0 Magnetic° ***Alt Minimum:** 035 '00 ft (MSL) ***Distance:** 60 NML

***Radial 2:** 089.0 Magnetic° ***Alt Maximum:** 180 '00 ft (MSL) 

***Requirement:** USER DEFINED

***Radial 1:** 049.0 Magnetic° ***Alt Minimum:** 030 '00 ft (MSL) ***Distance:** 59 NML

***Radial 2:** 069.0 Magnetic° ***Alt Maximum:** 170 '00 ft (MSL) 

***Requirement:** USER DEFINED