

DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA~1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW09-DER_CERPO\KCVG ROCKT4 SID RW09 CERPO 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW09:DER	WP	N39° 02' 46.5410", W084° 39' 10.2439"	875	VNAV	130	FLY_OVER	TF
KINNG	WP	N39° 02' 44.6500", W084° 29' 06.1400"	2443.8	VNAV	200	FLY_BY	TF
CERPO	WP	N39° 06' 25.0000", W084° 15' 50.0000"	4000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	66.6 %	73.6 %
2	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	66.6 %	73.6 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
5.0	CVG	FLM				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 02' 46.5339", W084° 39' 07.4958"	N39° 02' 45.4274", W084° 32' 47.9060"	4.9211

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW09:DER	KINNG	CVG, FLM	
KINNG	CERPO	CVG, FLM	

User Data Files

#	File Name
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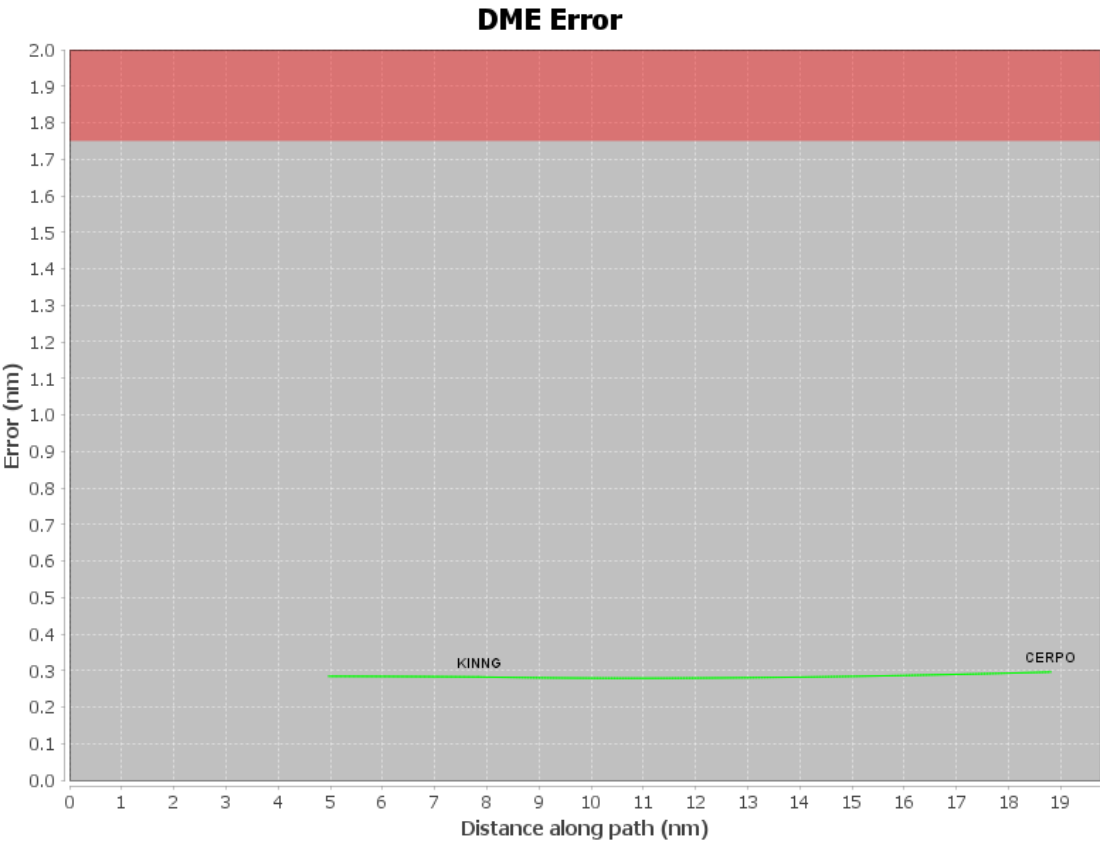
None	
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DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

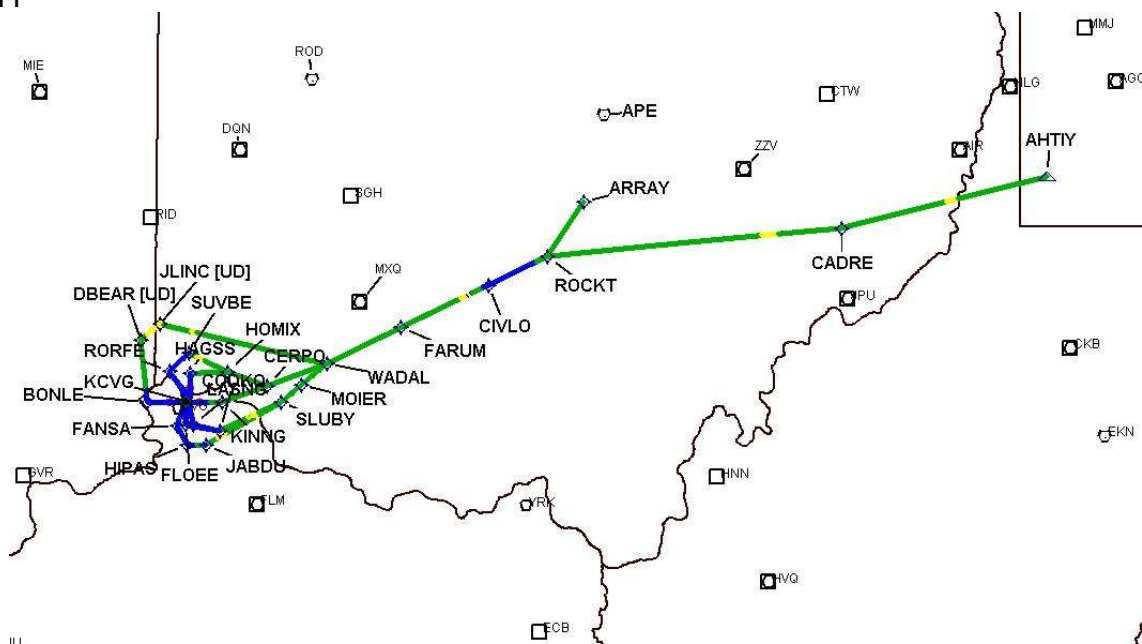
DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		



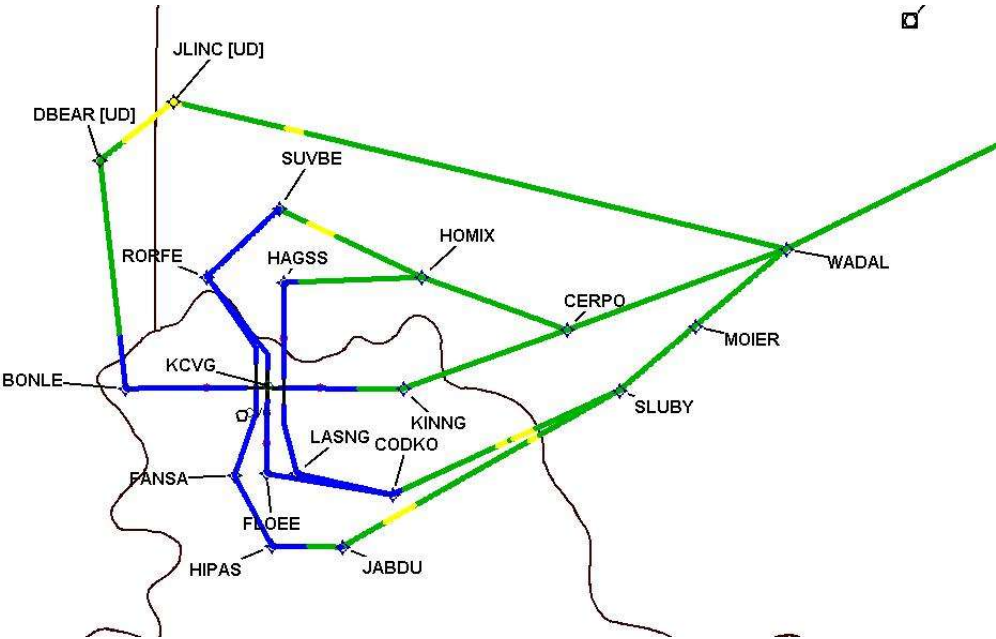
DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

Graphic Depiction 1



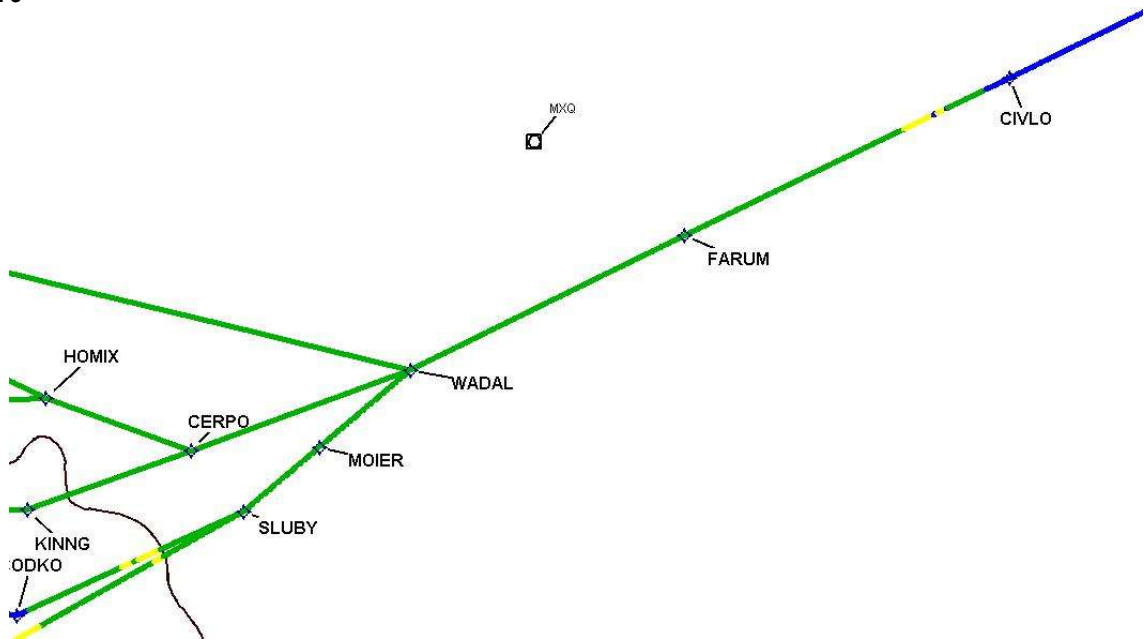
DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

Graphic Depiction 2



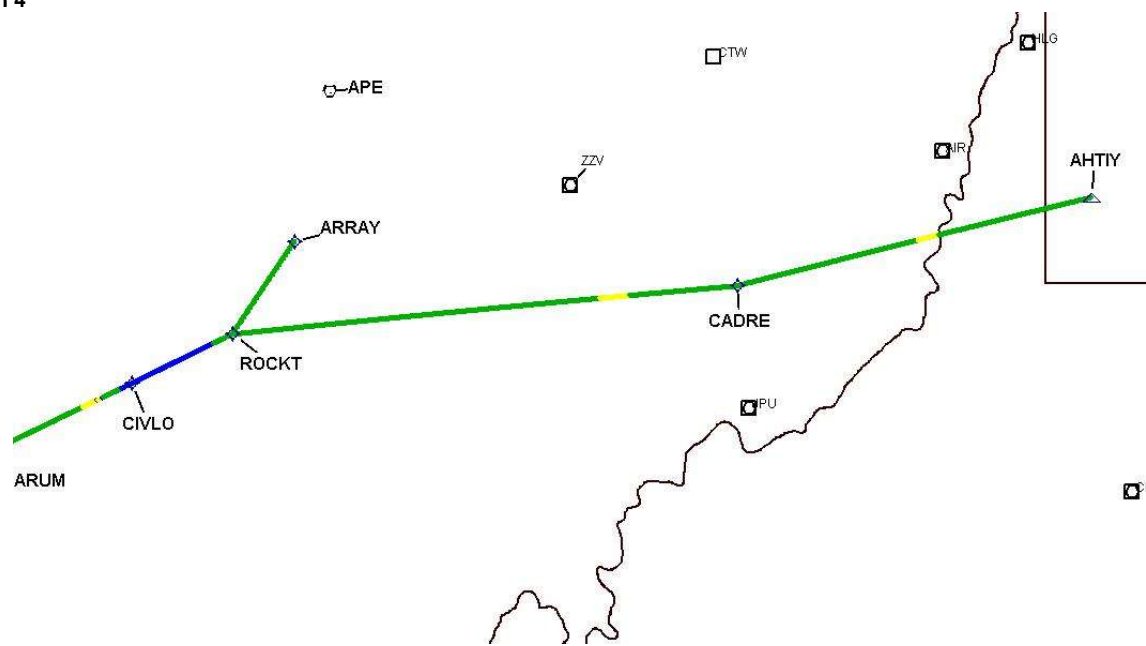
DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW09:DER_CERPO

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW18C-DER_SLUBY\KCVG ROCKT4 SID RW18C SLUBY 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW18C:DER	WP	N39° 02' 04.3552", W084° 40' 07.4709"	840.7	VNAV	130	FLY_OVER	TF
FLOEE	WP	N38° 57' 24.1200", W084° 40' 08.6000"	1774	VNAV	200	FLY_BY	TF
CODKO	WP	N38° 56' 04.9500", W084° 29' 59.3800"	3011	VNAV	200	FLY_BY	TF
SLUBY	WP	N39° 02' 37.5700", W084° 11' 36.1400"	5000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	29.4 %	31.2 %
2	YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	L		NO	Enabled	25 %	26.5 %
3	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	49.6 %	52.6 %
4	SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	T		NO	Enabled	12.9 %	13.6 %
5	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	49.6 %	52.6 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
13.5	CVG	FLM				
18.4	SGH	CVG	FLM			
19.6	DQN	CVG	FLM	SGH		
20.0	YRK	SGH	DQN	CVG	FLM	
20.8	DQN	CVG	FLM	YRK		
21.1	YRK	SGH	DQN	CVG	FLM	
22.6	CVG	FLM	DQN			
23.5	CVG	FLM	DQN	YRK		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 02' 02.1898", W084° 40' 07.4798"	N38° 56' 24.3709", W084° 29' 05.0787"	13.4191

DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW18C:DER	FLOEE		
FLOEE	CODKO		
CODKO	SLUBY	DQN, YRK, CVG, SGH, FLM	

User Data Files

#	File Name
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None	
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DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

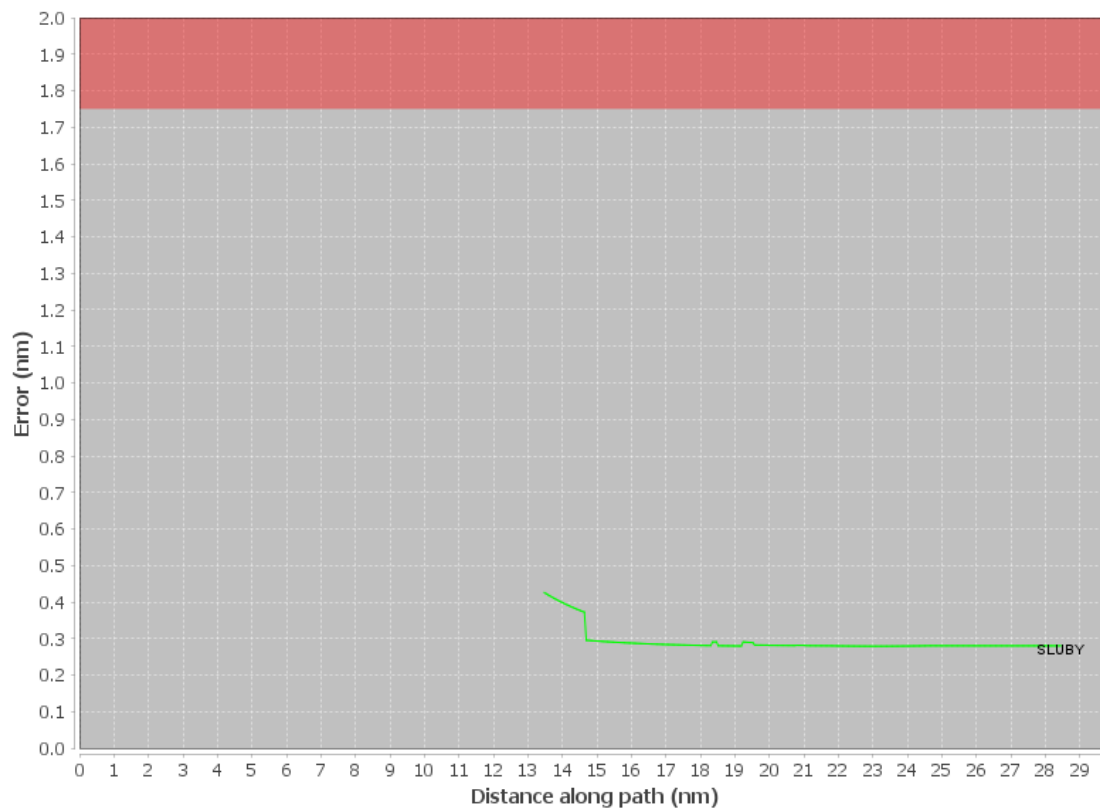
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		

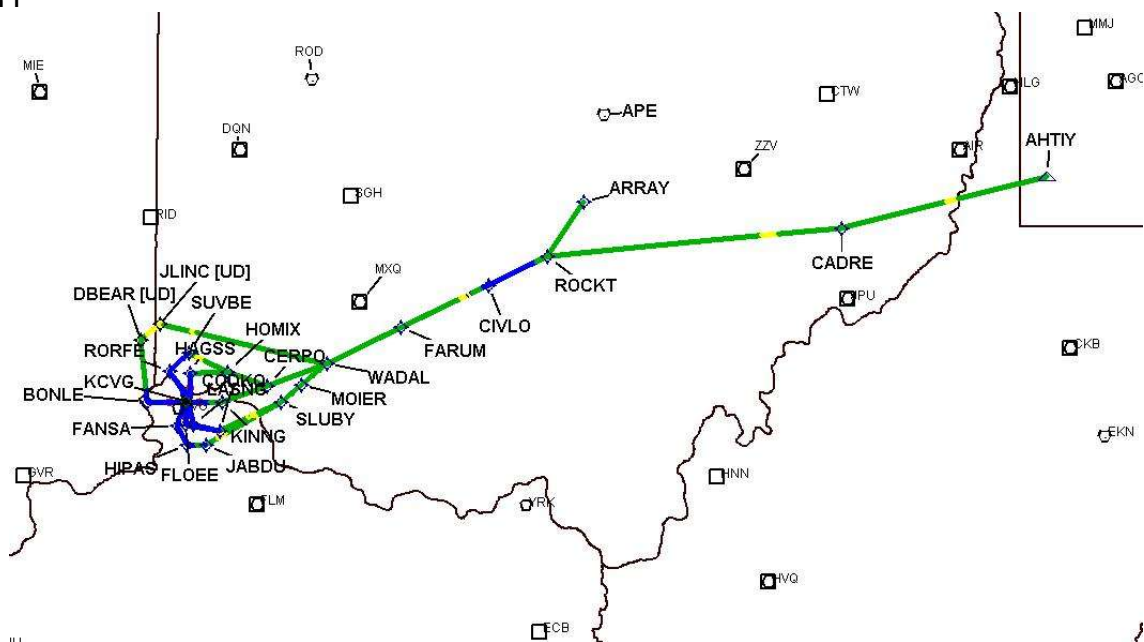
DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

DME Error



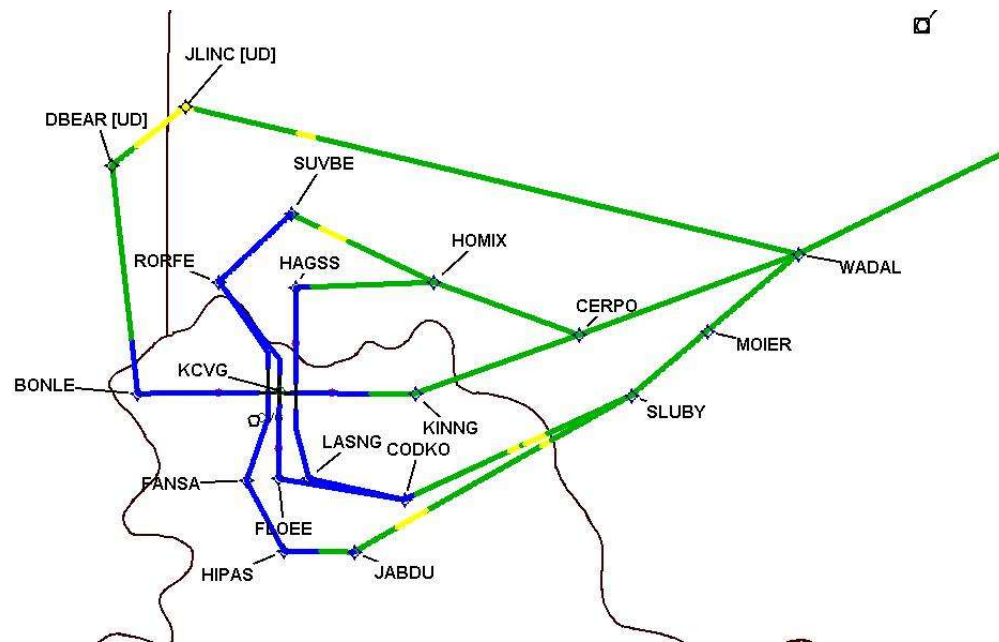
DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

Graphic Depiction 1



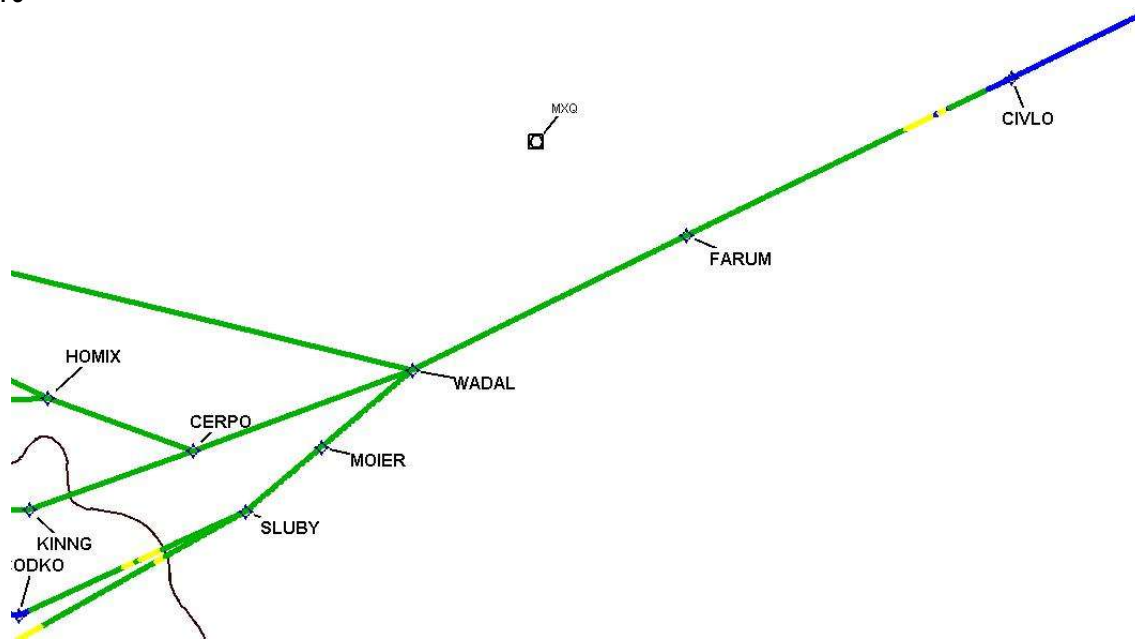
DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

Graphic Depiction 2



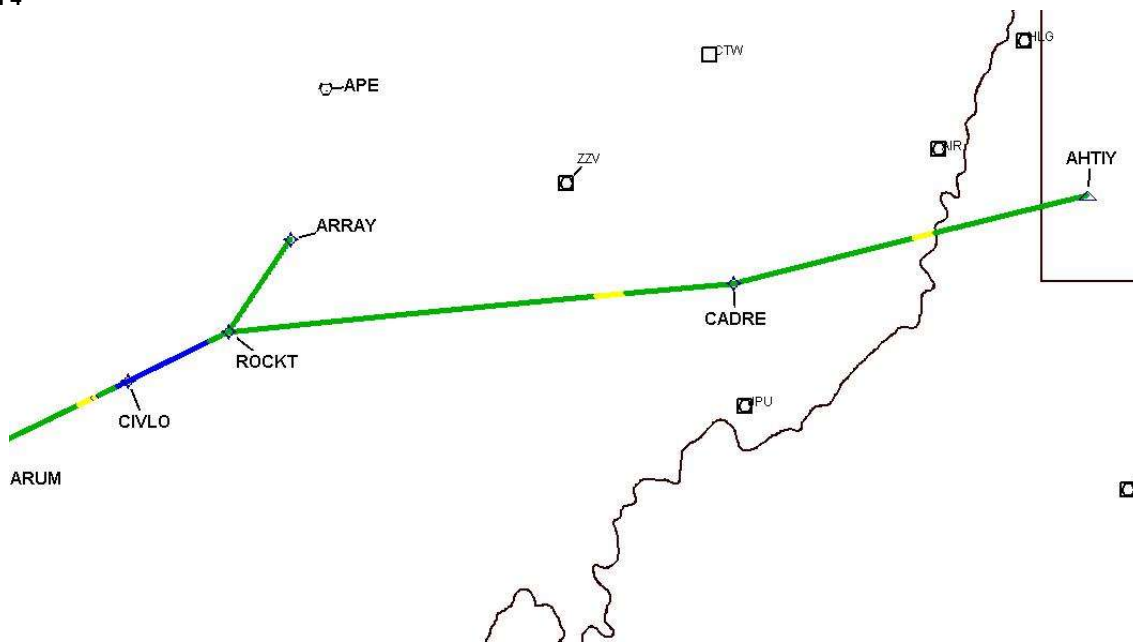
DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW18C:DER_SLUBY

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW18L- DER_CODKO\KCVG ROCKT4 SID RW18L CODKO 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW18L:DER	WP	N39° 01' 42.2406", W084° 38' 48.4562"	896.1	VNAV	130	FLY_BY	TF
LASNG	WP	N38° 57' 25.1700", W084° 37' 44.0500"	1773.4	VNAV	200	FLY_BY	TF
CODKO	WP	N38° 56' 04.9500", W084° 29' 59.3800"	3011	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 01' 40.0958", W084° 38' 48.4663"	N38° 56' 04.9500", W084° 29' 59.3800"	10.5424

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW18L:DER	LASNG		
LASNG	CODKO		

User Data Files

#	File Name
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None	
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DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

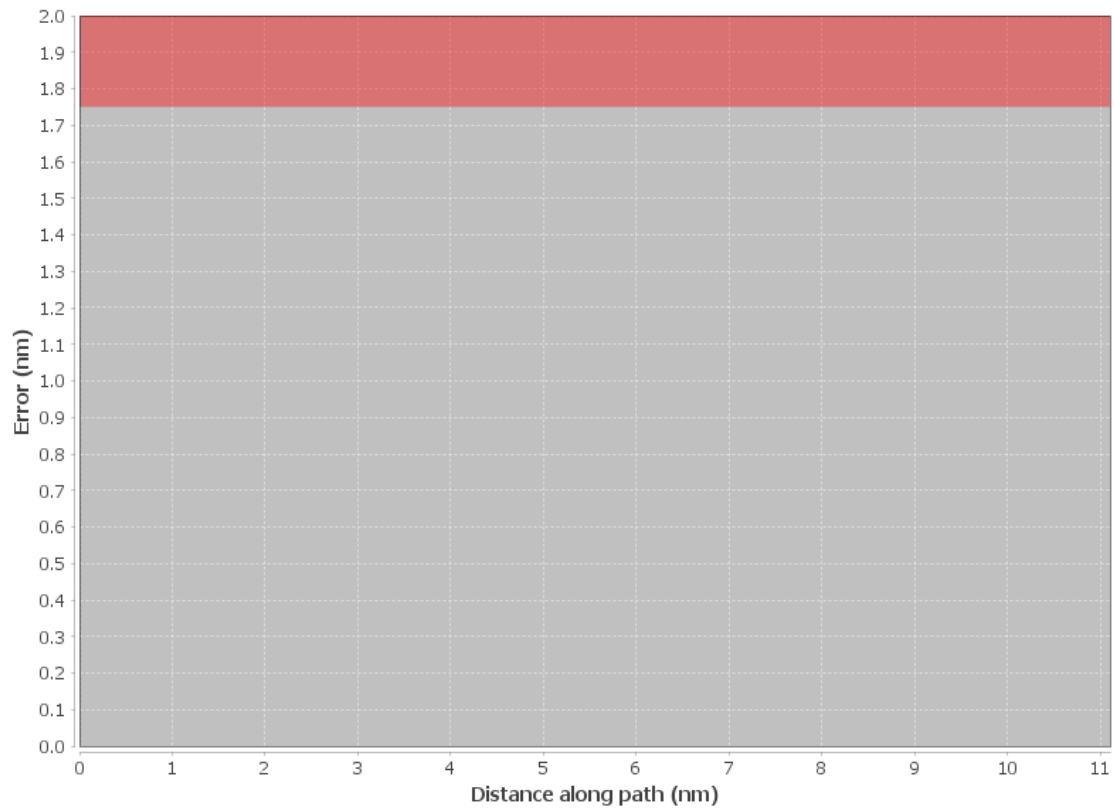
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		

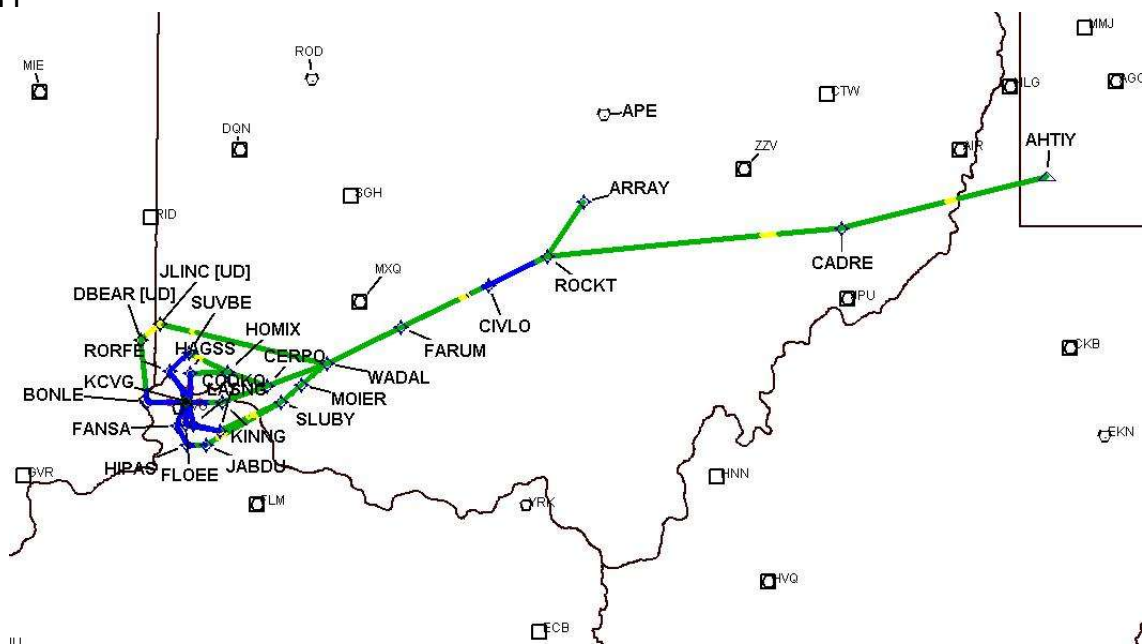
DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

DME Error



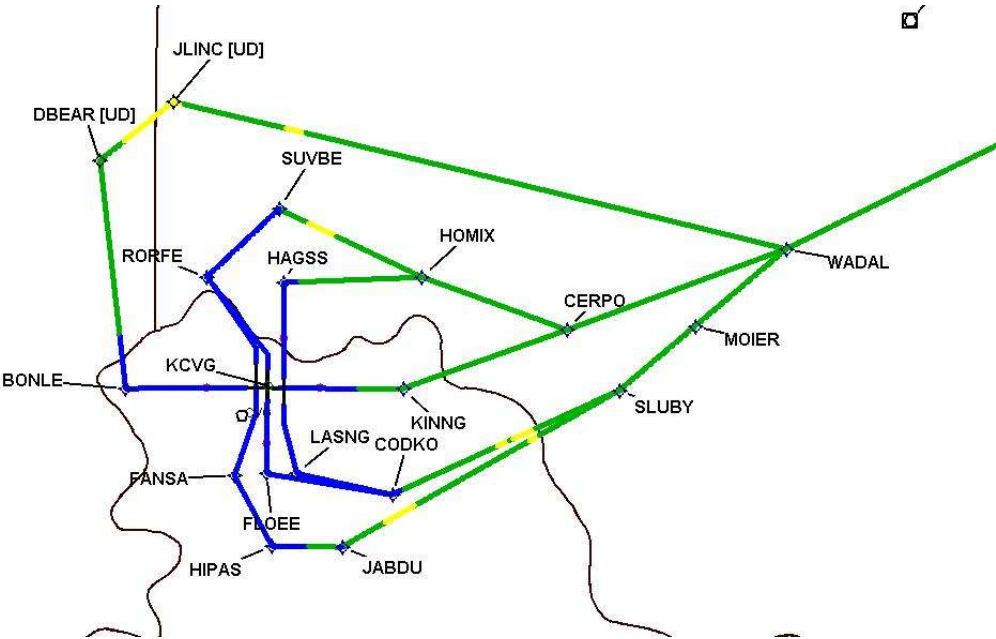
DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

Graphic Depiction 1



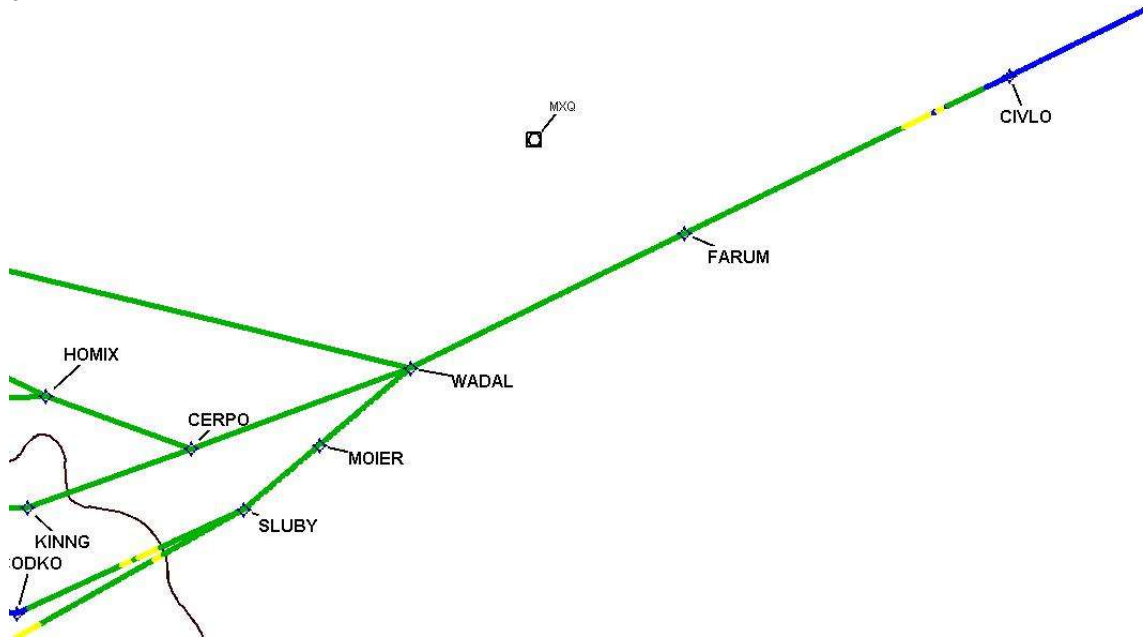
DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

Graphic Depiction 2



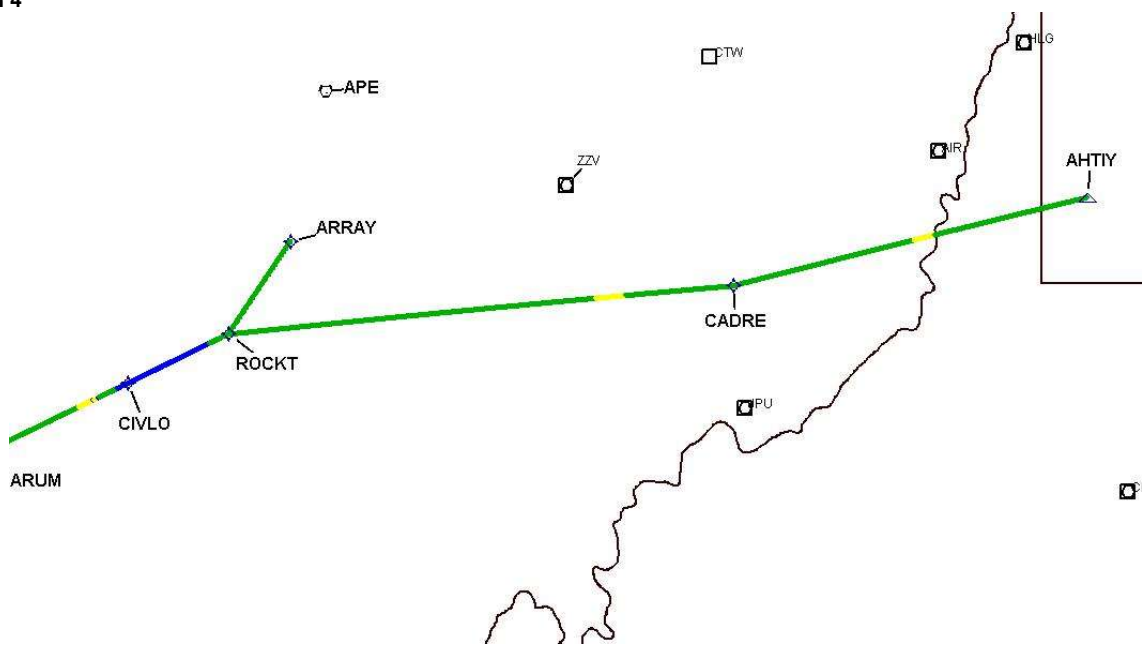
DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW18L:DER_CODKO

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW18R-DER_AHTIY\KCVG ROCKT4 SID RW18R AHTIY 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW18R:DER	WP	N39° 02' 56.1037", W084° 41' 01.7608"	872.6	VNAV	130	FLY_BY	TF
FANSA	WP	N38° 57' 15.1400", W084° 42' 45.2100"	2052.9	VNAV	200	FLY_BY	TF
HIPAS	WP	N38° 52' 49.9000", W084° 39' 42.8300"	3055.6	VNAV	200	FLY_BY	TF
JABDU	WP	N38° 52' 48.7200", W084° 34' 01.6800"	3943.6	VNAV	200	FLY_BY	TF
SLUBY	WP	N39° 02' 37.5700", W084° 11' 36.1400"	5000	VNAV	200	FLY_BY	TF
MOIER	WP	N39° 06' 39.0600", W084° 05' 29.1900"	5000	VNAV	200	FLY_BY	TF
WADAL	WP	N39° 11' 29.8000", W083° 58' 07.4000"	5000	VNAV	200	FLY_BY	TF
FARUM	WP	N39° 19' 56.0000", W083° 35' 57.0000"	5000	VNAV	200	FLY_BY	TF
CIVLO	WP	N39° 29' 48.5000", W083° 09' 38.8000"	5000	VNAV	200	FLY_BY	TF
ROCKT	WP	N39° 36' 26.5200", W082° 52' 12.7700"	5000	VNAV	200	FLY_BY	TF
CADRE	WP	N39° 42' 57.2600", W081° 24' 35.9300"	5000	VNAV	200	FLY_BY	TF
AHTIY	WP	N39° 54' 51.8500", W080° 23' 05.2300"	5000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

Flyability	
Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	29.5 %	29.7 %
2	HLG	N40° 15' 35.6465", W080° 34' 07.0494"	7.0 W	40	L		NO	Enabled	14.9 %	15 %
3	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	11 %	11.1 %
4	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	31.6 %	31.9 %
5	MXQ	N39° 25' 46.9029", W083° 48' 04.4622"	4.0 W	25	T		NO	Enabled	19.7 %	19.9 %
6	CTW	N40° 13' 45.1510", W081° 28' 35.3160"	0.0 E	40	L		NO	Enabled	21.2 %	21.3 %
7	AIR	N40° 00' 59.7814", W080° 49' 01.9382"	7.0 W	130	H		NO	Enabled	24.5 %	24.7 %
8	MMJ	N40° 29' 16.8000", W080° 11' 37.8000"	0.0 E	40	L		NO	Enabled	0.9 %	0.9 %
9	JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	L		NO	Enabled	42.4 %	42.7 %
10	YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	L		NO	Enabled	30 %	30.3 %
11	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	16.6 %	16.7 %
12	SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	T		NO	Enabled	4.5 %	4.5 %
13	APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	H		NO	Enabled	17.1 %	17.2 %
14	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	53.6 %	54.1 %
15	HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	L		NO	Enabled	3.2 %	3.2 %
16	MGW	N39° 33' 24.1749", W079° 51' 37.4843"	5.0 W	40	L		NO	Enabled	3.3 %	3.3 %
17	AGC	N40° 16' 43.1179", W080° 02' 27.0769"	9.0 W	40	L		NO	Enabled	5.9 %	5.9 %

DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
13.1	HYK	FLM				
15.0						
15.4	HYK	FLM	CVG			
16.9	HYK	CVG				
18.5	SGH	CVG	FLM	HYK		
19.2	SGH	CVG	DQN	FLM	HYK	
20.6	DQN	YRK	HYK	CVG	FLM	
20.8	DQN	YRK	CVG	FLM		
21.4	SGH	CVG	DQN	YRK	FLM	
26.2	DQN	CVG	FLM	YRK		
28.9	YRK	SGH	CVG	FLM	DQN	
29.6	CVG	FLM	DQN			
30.2	CVG	FLM	DQN	YRK		
41.4	DQN	CVG	YRK	MXQ	FLM	
52.6	YRK	FLM	MXQ	DQN		
83.5	YRK	MXQ	FLM			
83.6	SGH	FLM	DQN	YRK	MXQ	
85.7						
85.9	SGH	FLM	YRK			
86.5	SGH	FLM	YRK	ZZV		
86.6						
86.6	YRK	ZZV				
89.3						
103.0	ZZV	APE				
109.2	JPU	APE	ZZV			
138.6	ZZV	APE				
139.8	ZZV	JPU	APE			
141.5	ZZV	JPU				
154.1	CTW	JPU	ZZV			
155.5	CTW	JPU	BSV	ZZV		
159.5	CTW	JPU	ZZV			
167.6	CTW	ZZV				
167.9	AIR	JPU	ZZV	CTW		
172.1	AIR	JPU	ZZV	CTW	BSV	
192.8	CTW	JPU	HLG	AIR	ZZV	
201.7	ZZV	AIR	HLG	JPU		
205.9	ZZV	HLG	AIR			
209.6	AIR	AGC	ZZV	HLG		
215.5	ZZV	HLG	AGC	MGW	AIR	
221.0	AGC	MGW	AIR	MMJ	HLG	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 02' 53.9531", W084° 41' 01.7690"	N38° 52' 49.3446", W084° 36' 52.2546"	13.1043
2	N38° 52' 48.8181", W084° 34' 27.2661"	N38° 52' 48.7200", W084° 34' 01.6800"	0.332
3	N39° 27' 31.0736", W083° 15' 46.9359"	N39° 27' 36.8665", W083° 15' 31.4436"	0.222
4	N39° 27' 54.2418", W083° 14' 44.9623"	N39° 27' 55.6895", W083° 14' 41.0885"	0.0555
5	N39° 29' 05.1373", W083° 11' 35.0969"	N39° 35' 08.8849", W082° 55' 37.6054"	13.7485

DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW18R:DER	FANSA		
FANSA	HIPAS		
HIPAS	JABDU	FLM, HYK	
JABDU	SLUBY	DQN, YRK, CVG, SGH, FLM, HYK	
SLUBY	MOIER	DQN, YRK, CVG, FLM, MXQ	
MOIER	WADAL	DQN, YRK, CVG, FLM, MXQ	
WADAL	FARUM	DQN, YRK, CVG, FLM, MXQ	
FARUM	CIVLO	DQN, YRK, SGH, FLM, MXQ, ZZV	
CIVLO	ROCKT	APE, ZZV	
ROCKT	CADRE	BSV, APE, ZZV, CTW, AIR, JPU	
CADRE	AHTIY	HLG, BSV, CTW, ZZV, AIR, MMJ, MGW, AGC, JPU	

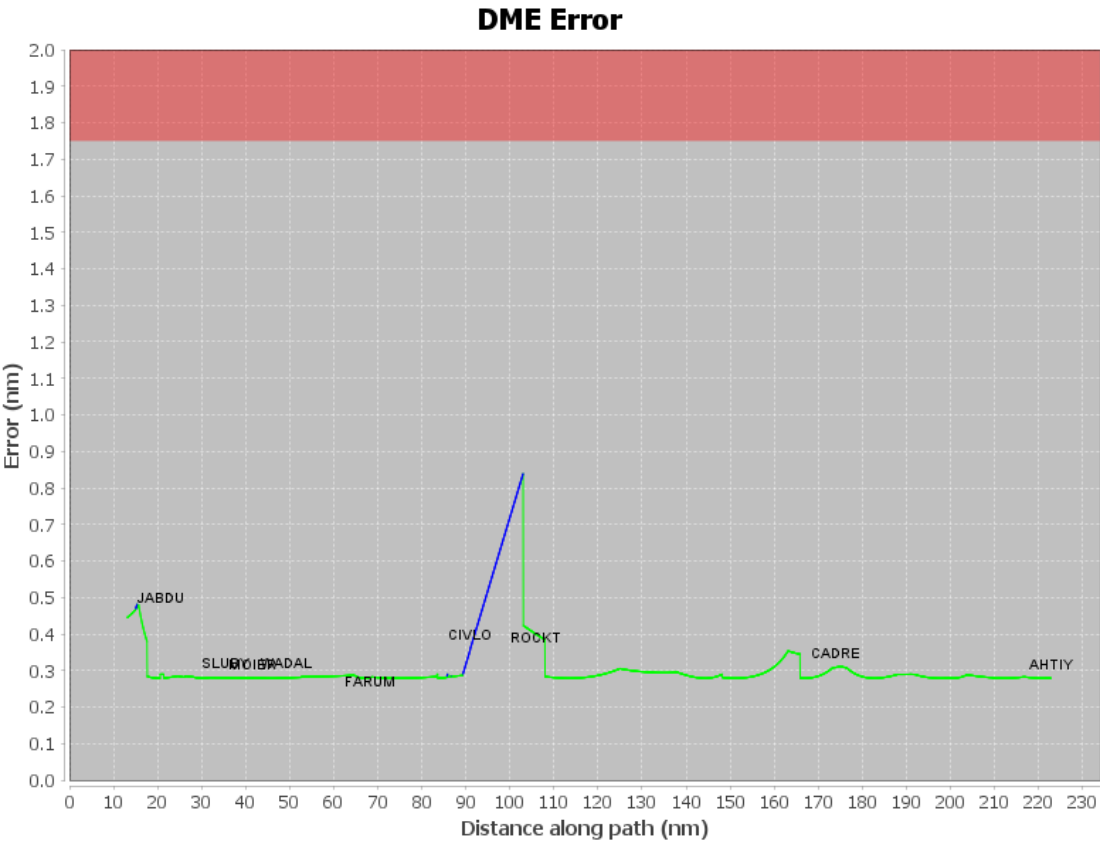
User Data Files	
#	File Name
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DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

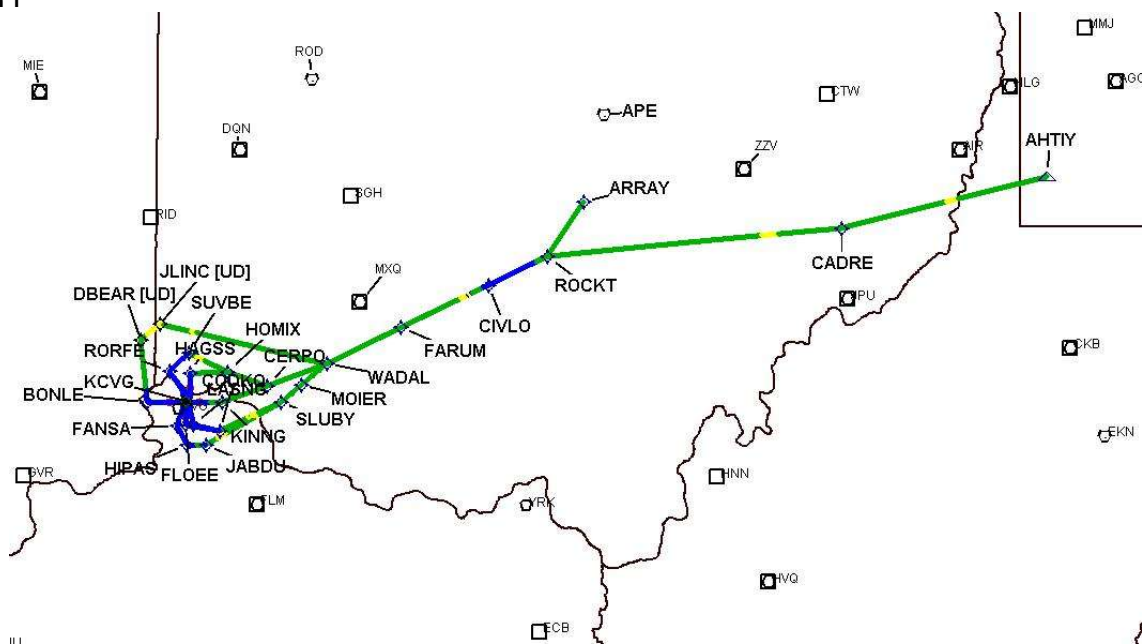
DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		



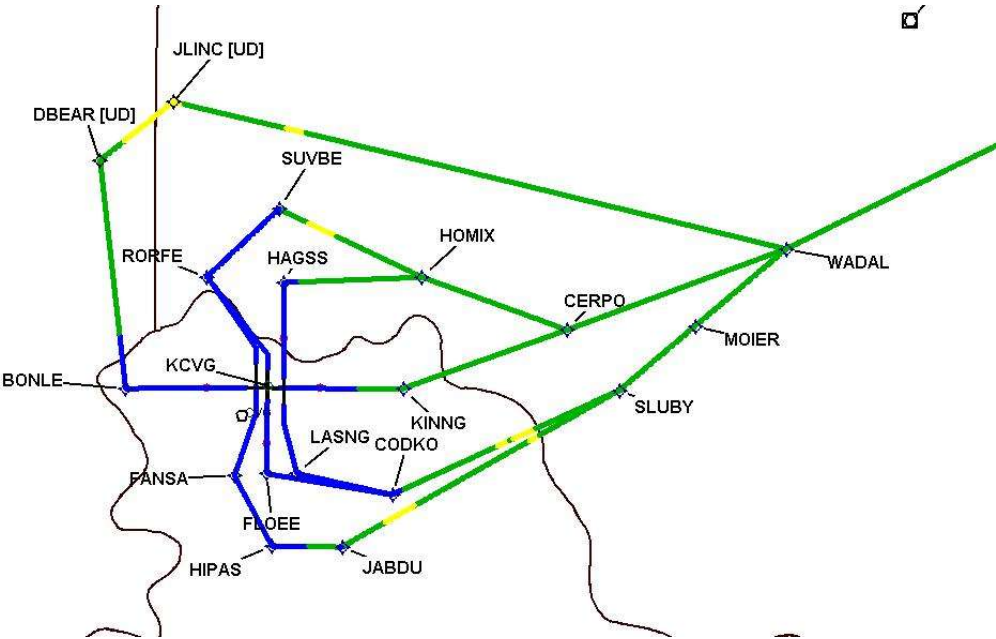
DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

Graphic Depiction 1



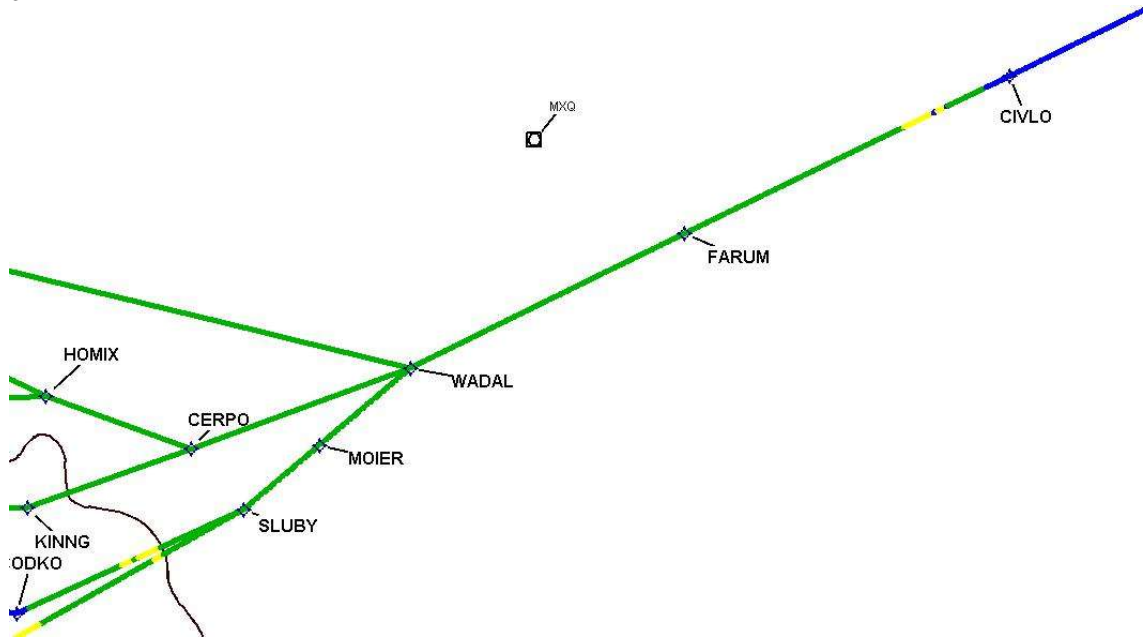
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Graphic Depiction 2



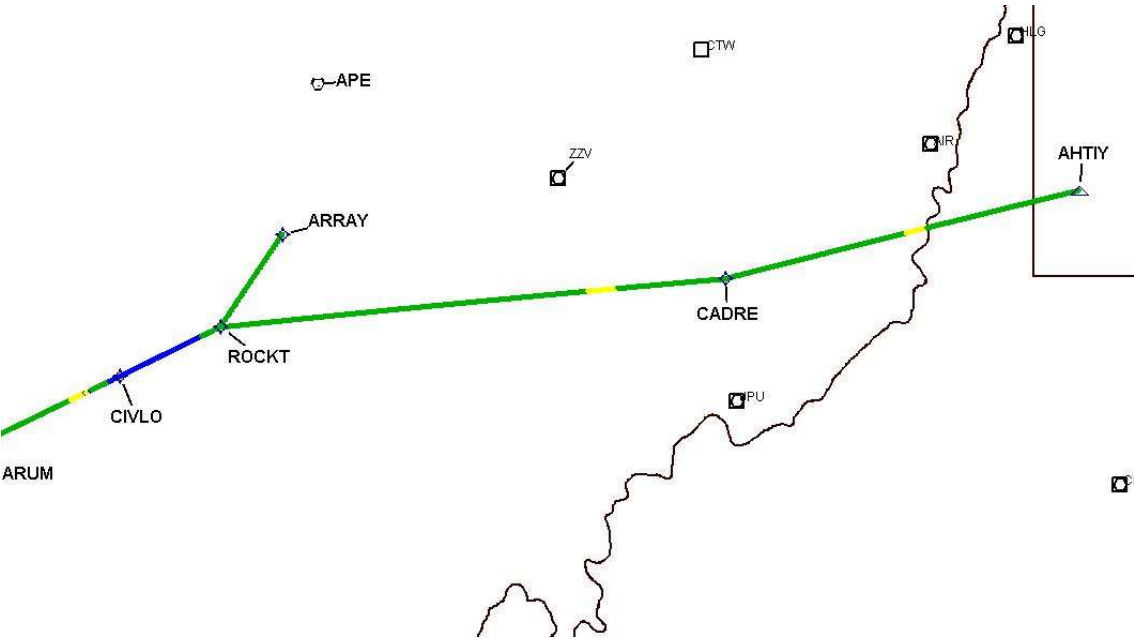
DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW18R:DER_AHTIY

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW27-DER_WADAL\KCVG ROCKT4 SID RW27 WADAL 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW27:DER	WP	N39° 02' 46.9049", W084° 41' 42.3534"	883.3	VNAV	130	FLY_OVER	TF
BONLE	WP	N39° 02' 45.5700", W084° 51' 35.5500"	2423.8	VNAV	200	FLY_BY	TF
DBEAR	WP	N39° 17' 02.9490", W084° 53' 39.2187"	5000	VNAV	200	FLY_BY	TF
JLINC	WP	N39° 20' 44.6207", W084° 47' 41.4978"	5000	VNAV	200	FLY_BY	TF
WADAL	WP	N39° 11' 29.8000", W083° 58' 07.4000"	5000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	57.4 %	59.7 %
2	YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	L		NO	Enabled	15 %	15.6 %
3	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	59.1 %	61.4 %
4	SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	T		NO	Enabled	19.7 %	20.4 %
5	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	74.9 %	77.9 %
6	ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	H		NO	Enabled	28 %	29.1 %
7	MXQ	N39° 25' 46.9029", W083° 48' 04.4622"	4.0 W	25	T		NO	Enabled	16 %	16.6 %
8	RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	L		NO	Enabled	54.7 %	56.9 %
9	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	22.5 %	23.5 %

DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
11.1	FLM	RID				
14.0	SHB	RID	FLM			
18.3	SHB	RID				
22.1	SHB	RID	FLM	CVG		
25.9	DQN	SHB	ROD	RID	FLM	CVG
28.7	ROD	FLM	DQN	CVG	RID	
31.3	ROD	FLM	DQN	RID		
35.3	DQN	SHB	ROD	CVG	SGH	FLM
35.3	CVG	SHB	RID	FLM		
36.5	SGH	RID	FLM	CVG	DQN	
41.0	CVG	RID	FLM	DQN		
47.3	CVG	RID	ROD	FLM	DQN	
49.6	DQN	CVG	FLM	SGH	ROD	
57.7	YRK	SGH	DQN	CVG	FLM	MXQ
57.8	DQN	CVG	YRK	FLM	MXQ	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N39° 02' 46.9110", W084° 41' 45.1339"	N39° 06' 07.6997", W084° 52' 04.6293"	11.0301

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW27:DER	BONLE		
BONLE	DBEAR	FLM, RID, SHB	
DBEAR	JLINC	DQN, CVG, FLM, ROD, SHB, RID	
JLINC	WADAL	DQN, YRK, CVG, SGH, FLM, ROD, MXQ, SHB, RID	

User Data Files

#	File Name
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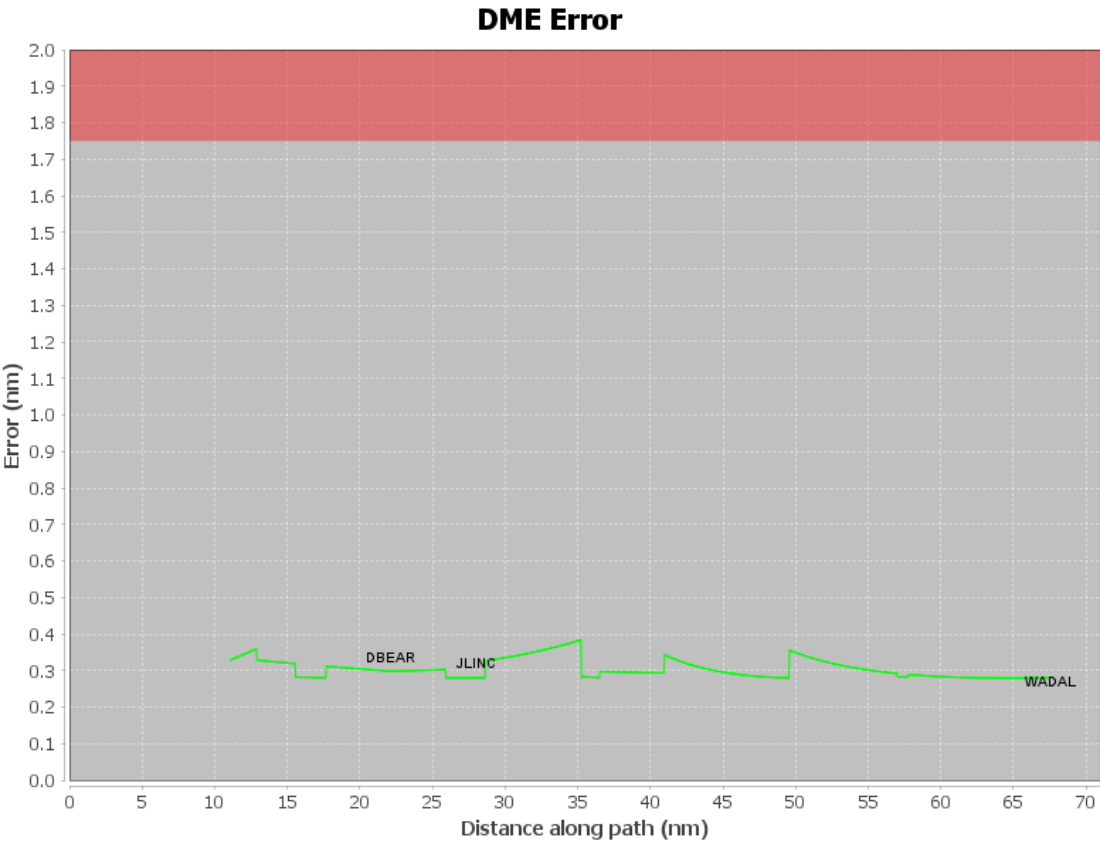
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DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

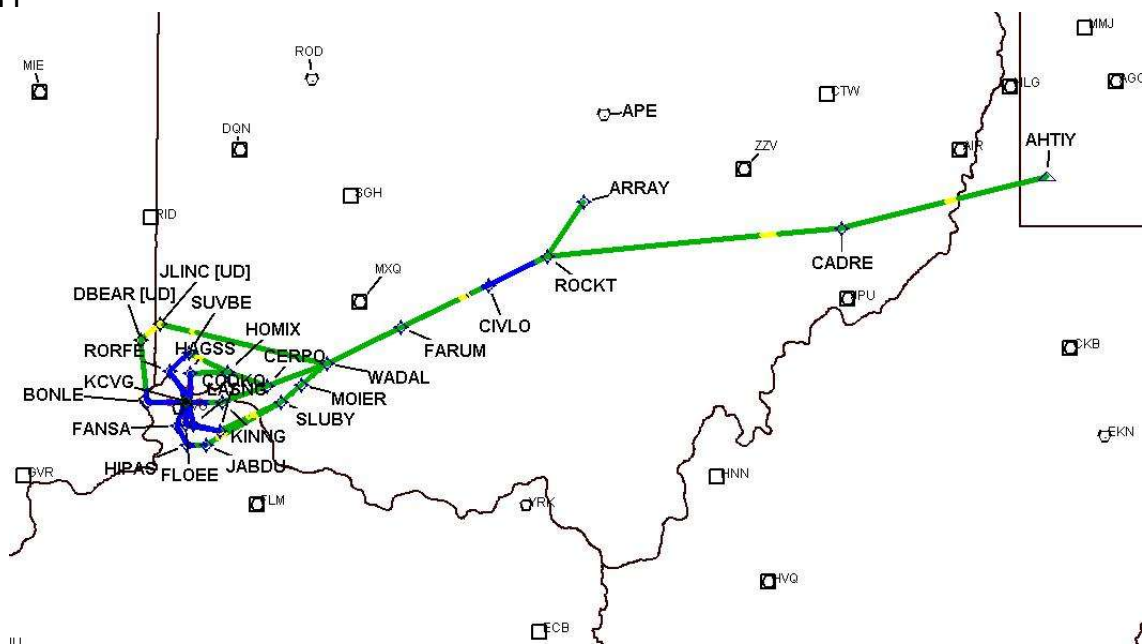
DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		



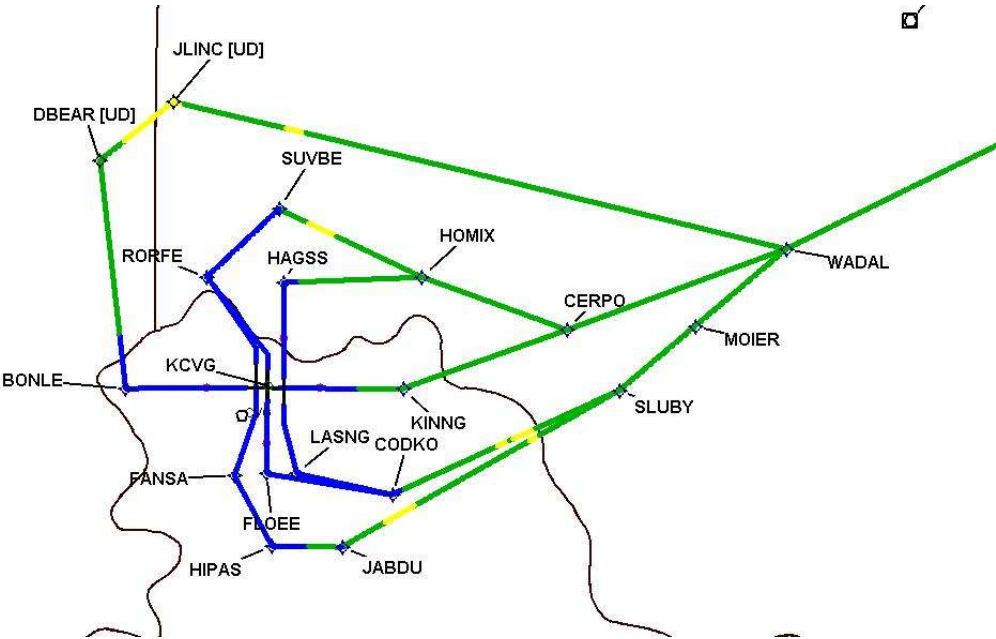
DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

Graphic Depiction 1



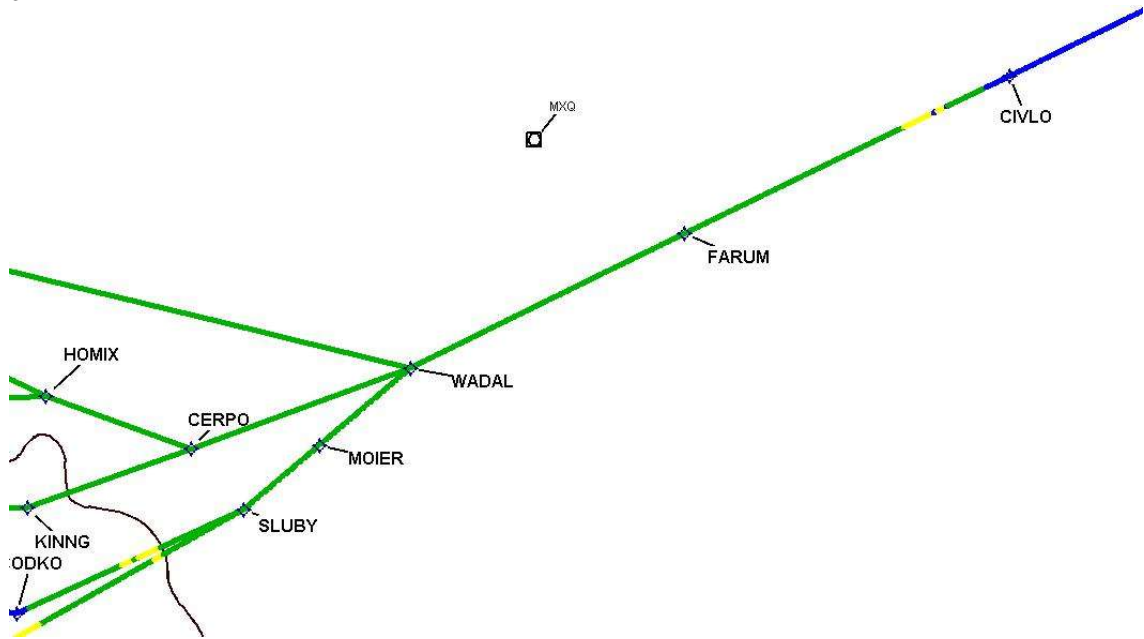
DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

Graphic Depiction 2



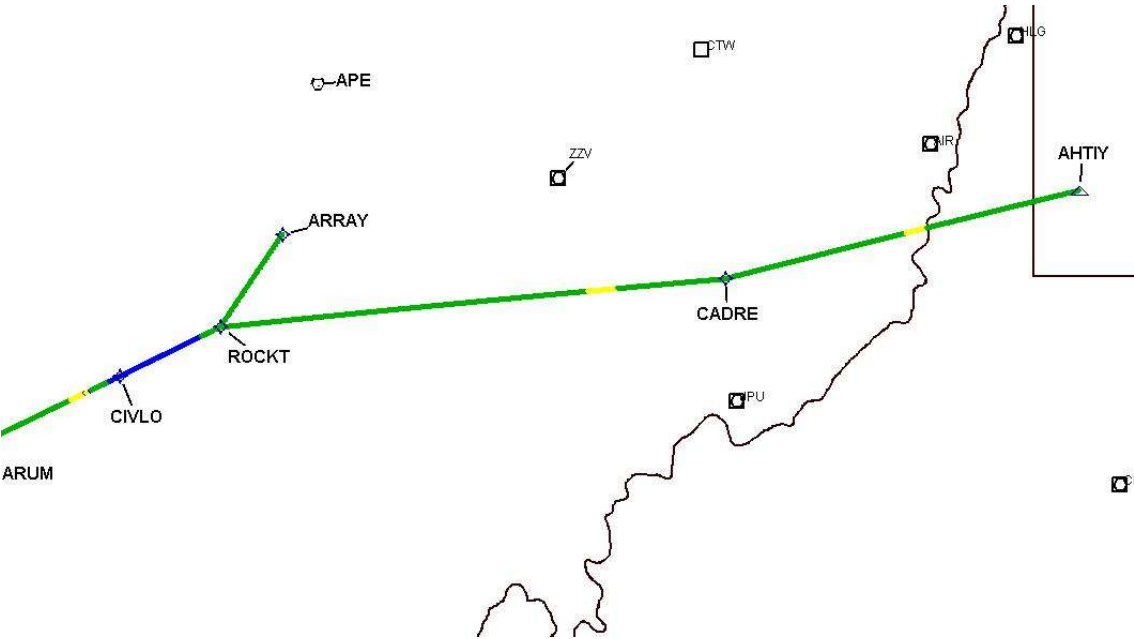
DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW27:DER_WADAL

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW36C-DER_WADAL\KCVG ROCKT4 SID RW36C WADAL 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW36C:DER	WP	N39° 03' 53.0734", W084° 40' 07.0233"	874.6	VNAV	130	FLY_BY	TF
RORFE	WP	N39° 09' 45.3300", W084° 44' 58.7200"	2157.2	VNAV	200	FLY_BY	TF
SUVBE	WP	N39° 13' 59.8800", W084° 39' 09.5000"	4000	VNAV	200	FLY_BY	TF
HOMIX	WP	N39° 09' 44.2900", W084° 27' 35.8600"	4000	VNAV	200	FLY_BY	TF
CERPO	WP	N39° 06' 25.0000", W084° 15' 50.0000"	4000	VNAV	200	FLY_BY	TF
WADAL	WP	N39° 11' 29.8000", W083° 58' 07.4000"	5000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	39 %	40.8 %
2	YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	L		NO	Enabled	21.4 %	22.4 %
3	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	68.7 %	71.9 %
4	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	68.7 %	71.9 %
5	MXQ	N39° 25' 46.9029", W083° 48' 04.4622"	4.0 W	25	T		NO	Enabled	15.9 %	16.7 %
6	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	0.2 %	0.2 %
7	RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	L		NO	Enabled	9.7 %	10.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
13.4	CVG	SHB	RID	FLM		
13.5	DQN	FLM	CVG			
14.9	CVG	FLM				
15.4	CVG	FLM	RID	DQN		
17.4	CVG	FLM	RID			
19.8	CVG	RID	FLM	DQN		
20.2	CVG	FLM	DQN			
25.0	CVG	FLM				
36.6	DQN	CVG	FLM			
37.1	DQN	CVG	YRK	FLM		
39.8	DQN	CVG	YRK	MXQ	FLM	

DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 03' 55.2328", W084° 40' 07.0144"	N39° 13' 59.8800", W084° 39' 09.5000"	13.3365

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW36C:DER	RORFE		
RORFE	SUVBE	CVG, FLM, SHB, RID	
SUVBE	HOMIX	DQN, CVG, FLM, SHB, RID	
HOMIX	CERPO	DQN, CVG, FLM	
CERPO	WADAL	DQN, YRK, CVG, FLM, MXQ	

User Data Files

#	File Name
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None	
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DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

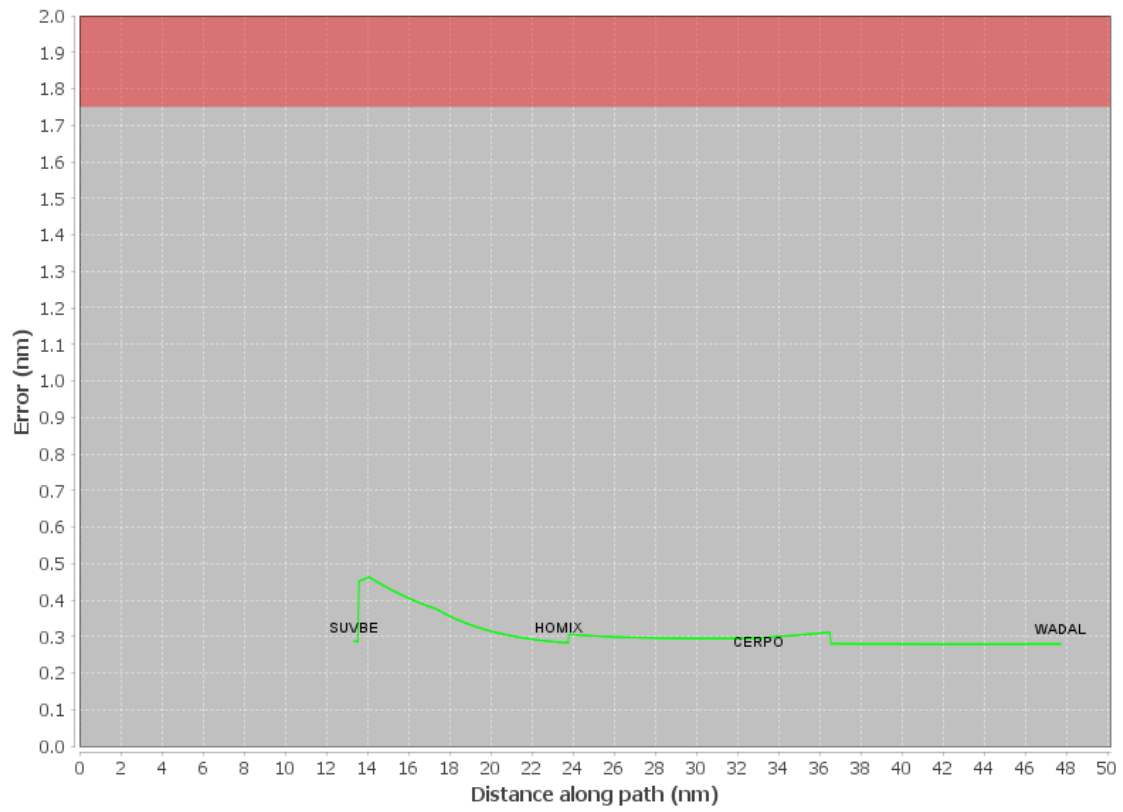
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

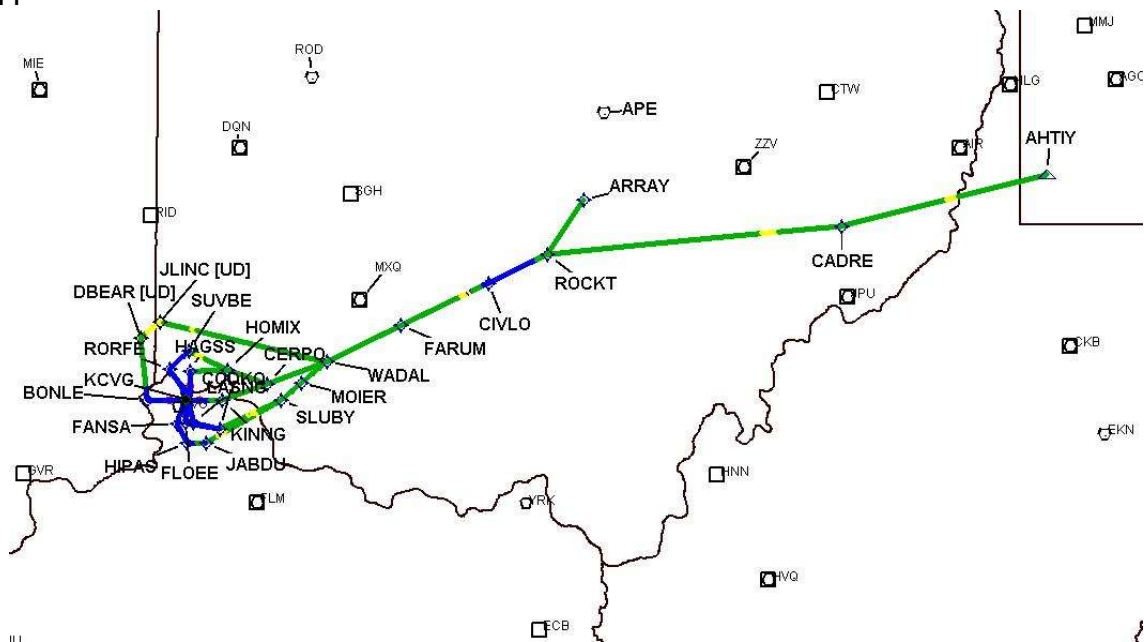
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		

DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

DME Error

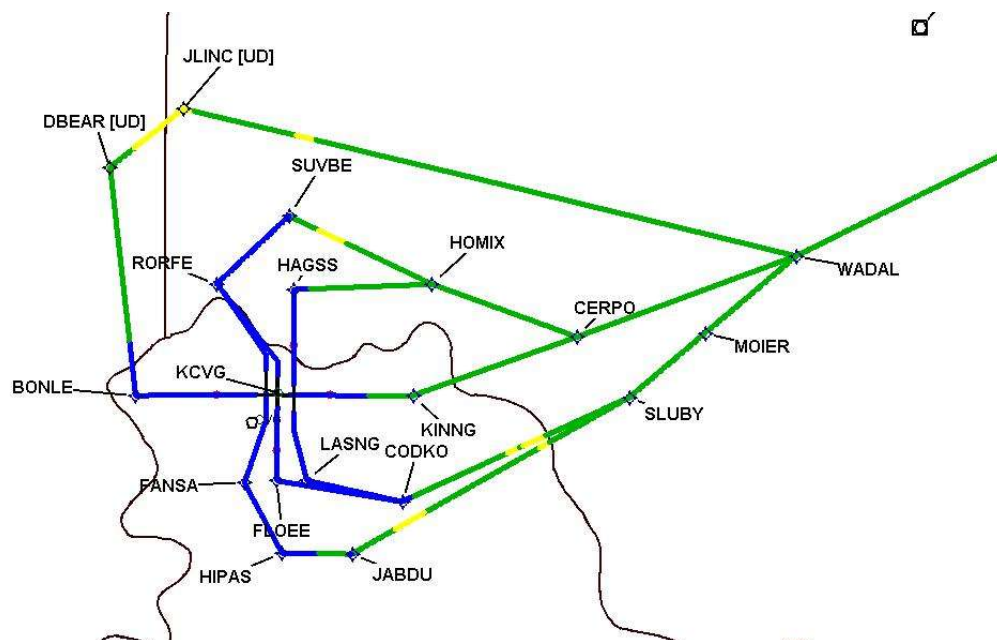


Graphic Depiction 1



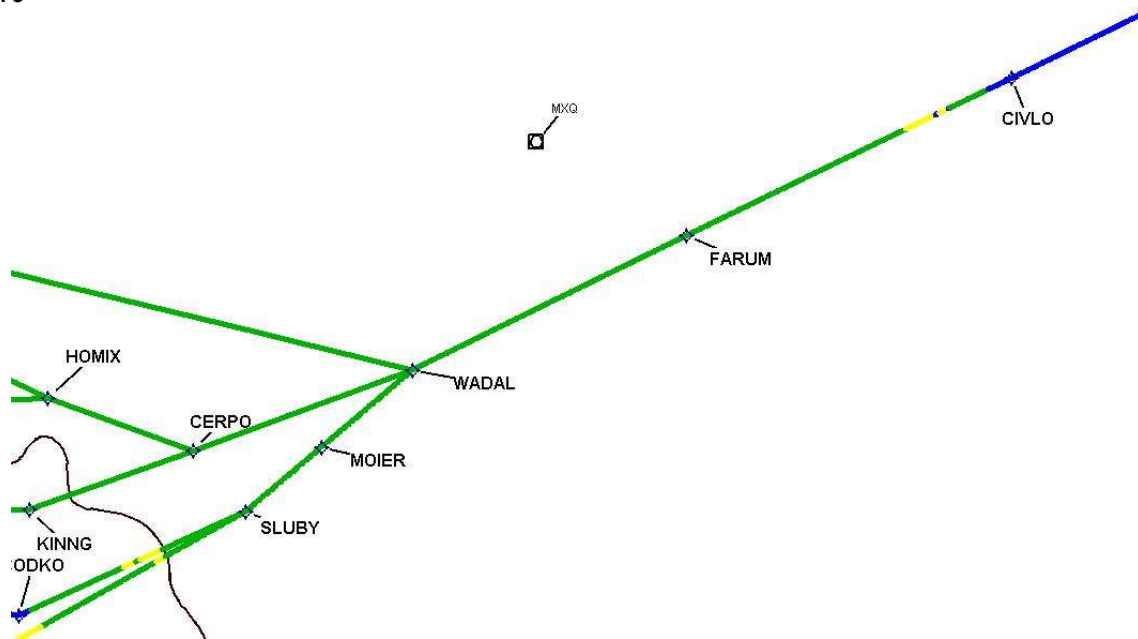
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Graphic Depiction 2



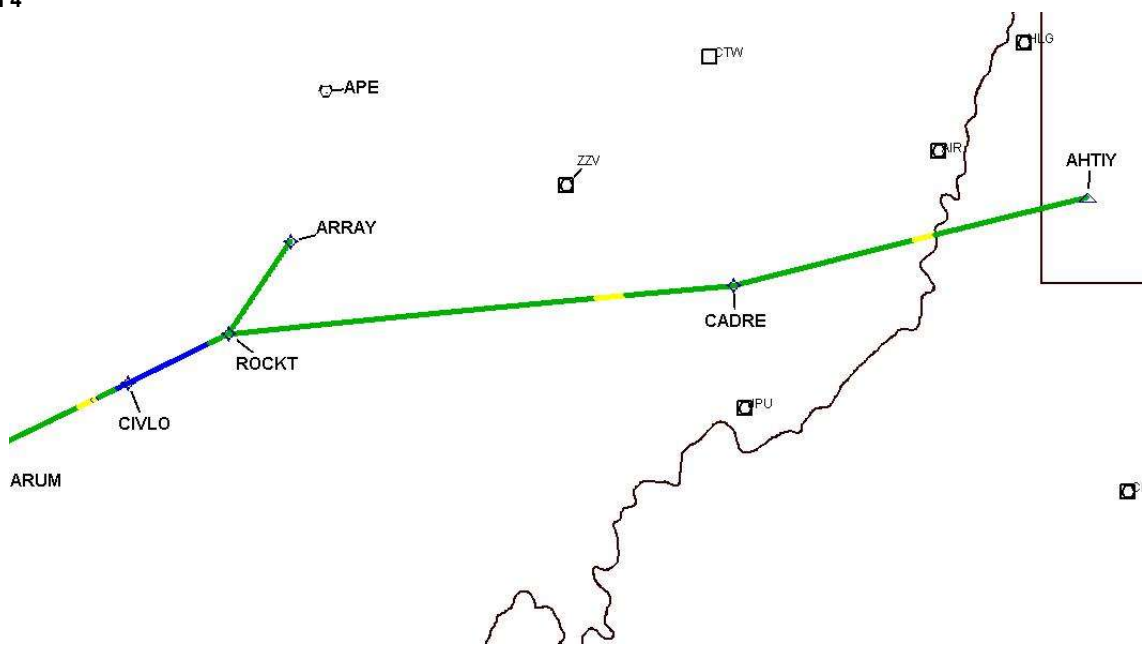
DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW36C:DER_WADAL

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW36L- DER_RORFE\KCVG ROCKT4 SID RW36L RORFE 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW36L:DER	WP	N39° 04' 15.1736", W084° 41' 01.4552"	864.7	VNAV	130	FLY_BY	TF
RORFE	WP	N39° 09' 45.3300", W084° 44' 58.7200"	2157.2	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 04' 17.3007", W084° 41' 01.4471"	N39° 09' 45.3300", W084° 44' 58.7200"	6.4281

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW36L:DER	RORFE		

User Data Files

#	File Name
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None	
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DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

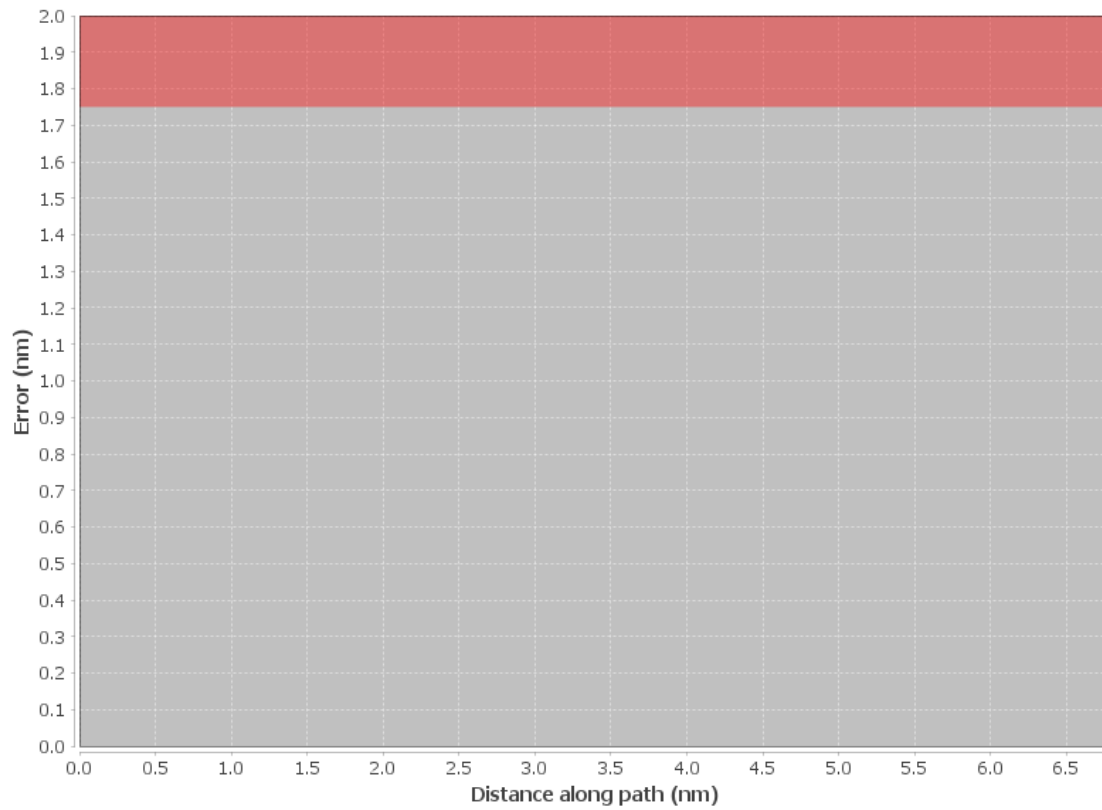
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		

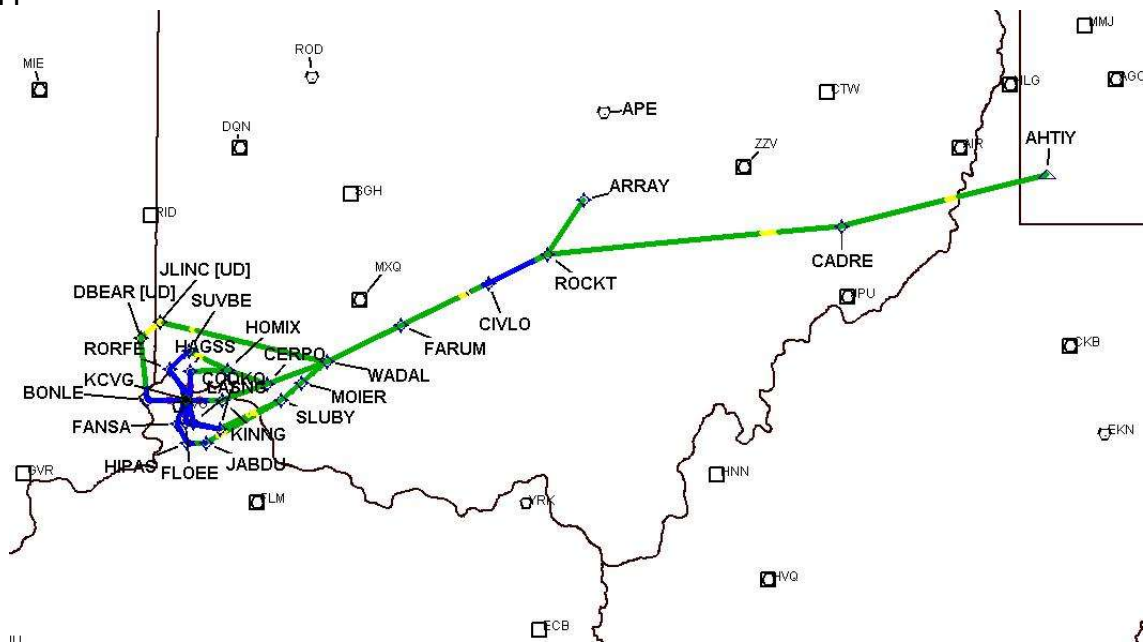
DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

DME Error



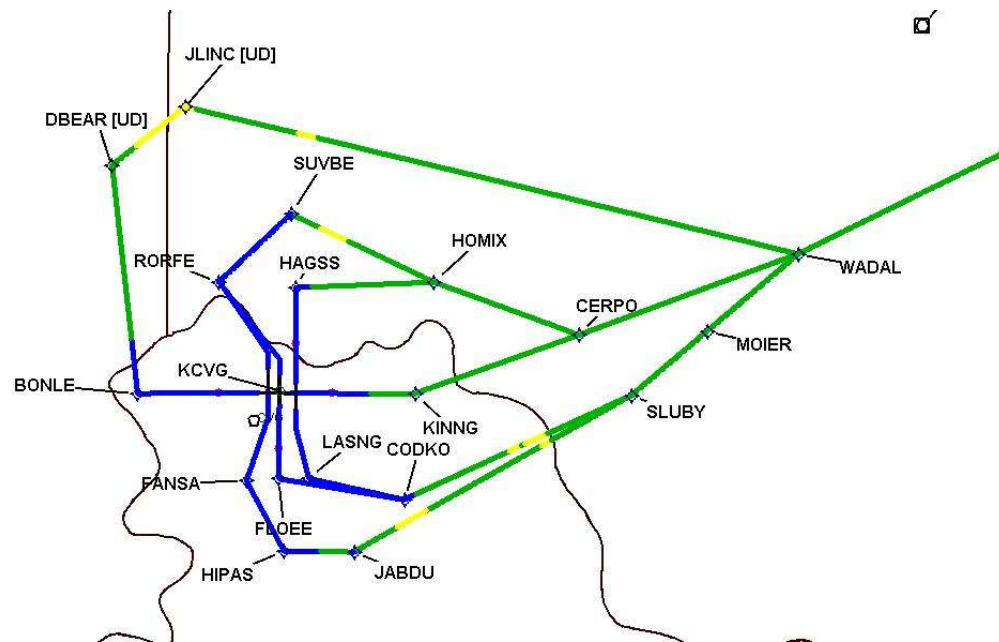
DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

Graphic Depiction 1



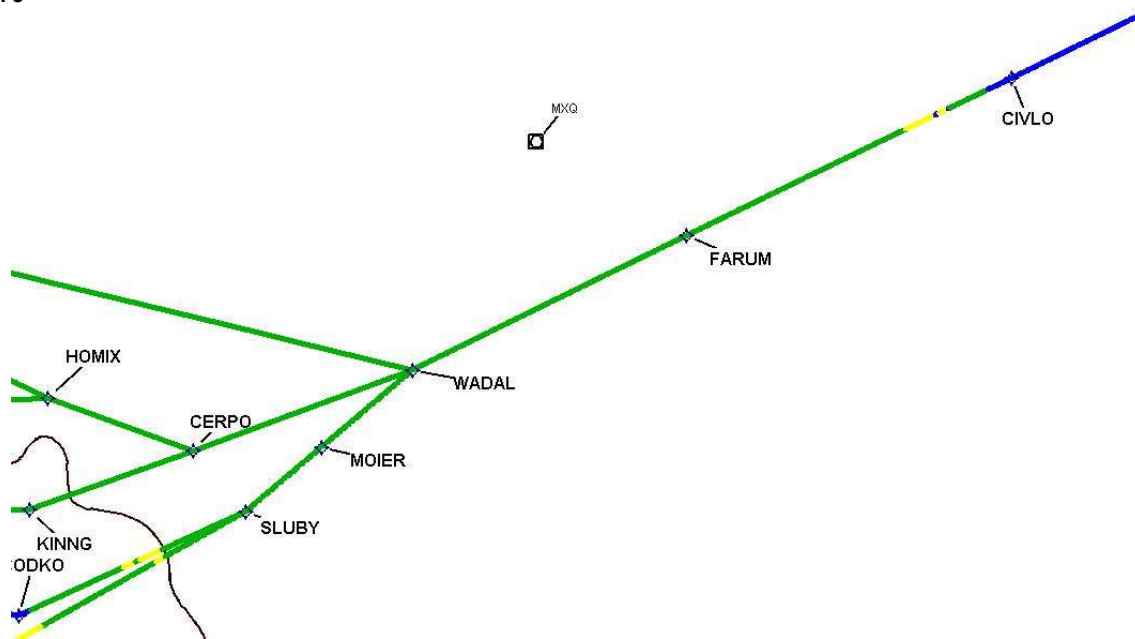
DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

Graphic Depiction 2



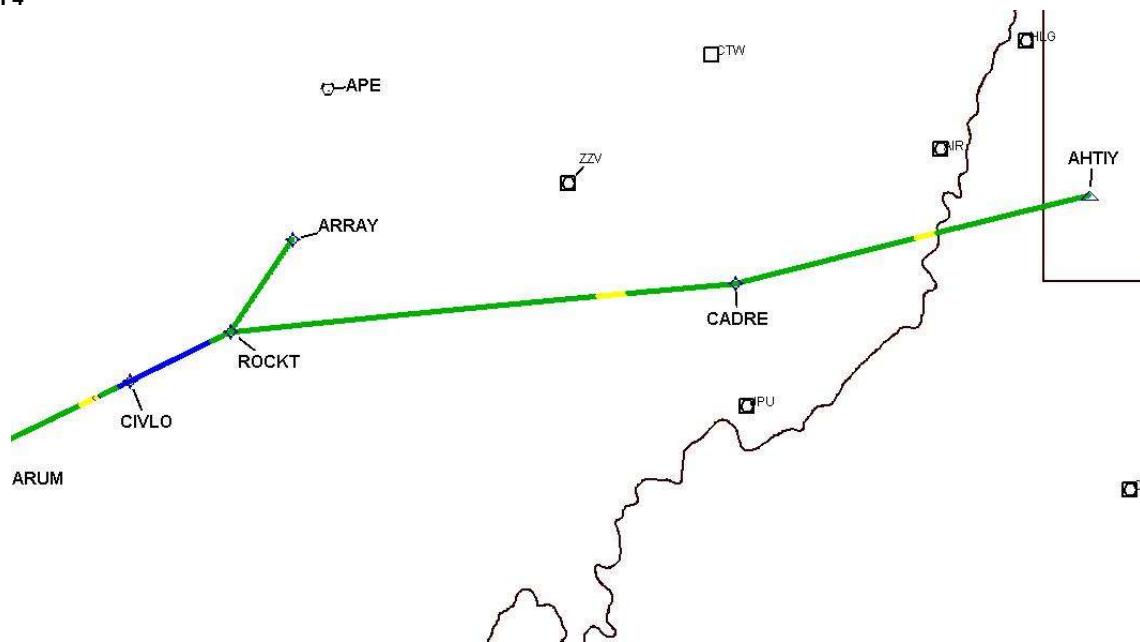
DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW36L:DER_RORFE

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path KCVG:RW36R:DER_HOMIX

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\KCVG-RW36R-DER_HOMIX\KCVG ROCKT4 SID RW36R HOMIX 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KCVG:RW36R:DER	WP	N39° 03' 21.0781", W084° 38' 48.0048"	886.3	VNAV	130	FLY_OVER	TF
HAGSS	WP	N39° 09' 24.3700", W084° 38' 47.8500"	2096.2	VNAV	200	FLY_BY	TF
HOMIX	WP	N39° 09' 44.2900", W084° 27' 35.8600"	4000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path KCVG:RW36R:DER_HOMIX

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled		
2	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	45.8 %	52.2 %
3	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	45.8 %	52.2 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
7.0	CVG	FLM				
14.8	CVG	FLM	DQN			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 03' 23.2336", W084° 38' 47.9947"	N39° 09' 26.7084", W084° 37' 30.8119"	7.0191

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KCVG:RW36R:DER	HAGSS		
HAGSS	HOMIX	DQN, CVG, FLM	

User Data Files

#	File Name
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None	
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DME DME Assessment Results for ROCKT4 path KCVG:RW36R:DER_HOMIX

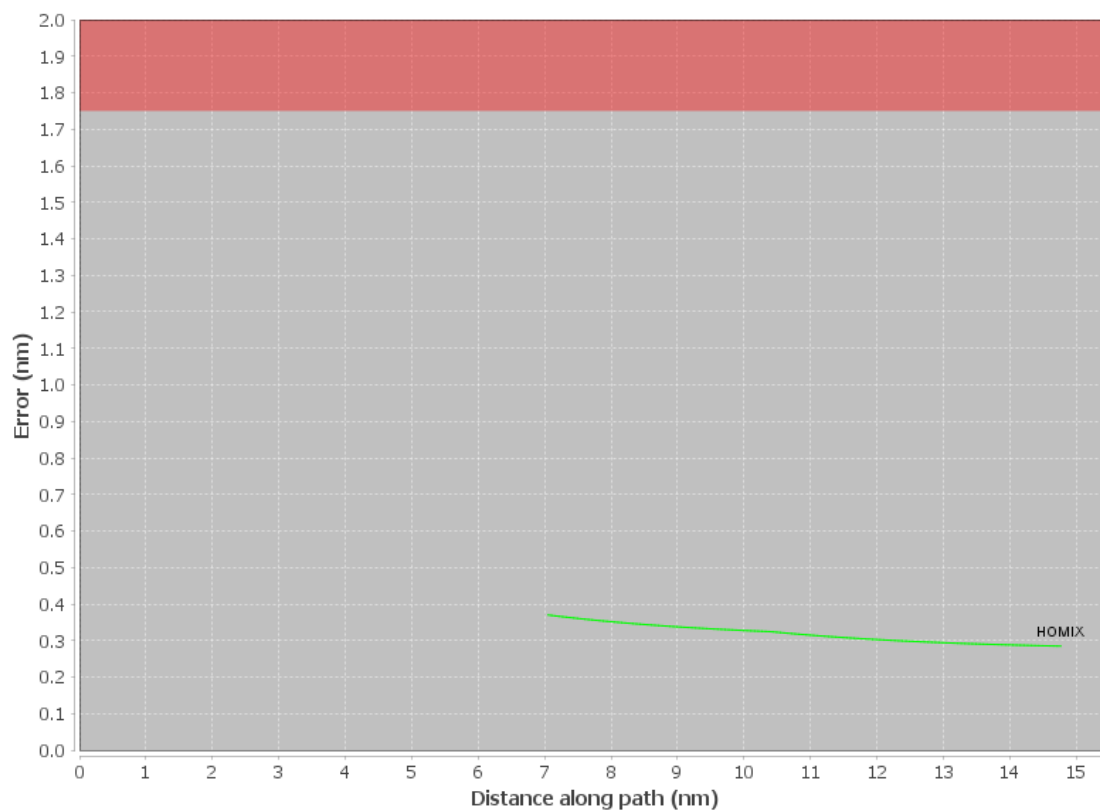
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

DME DME Assessment Results for ROCKT4 path KCVG:RW36R:DER_HOMIX

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		

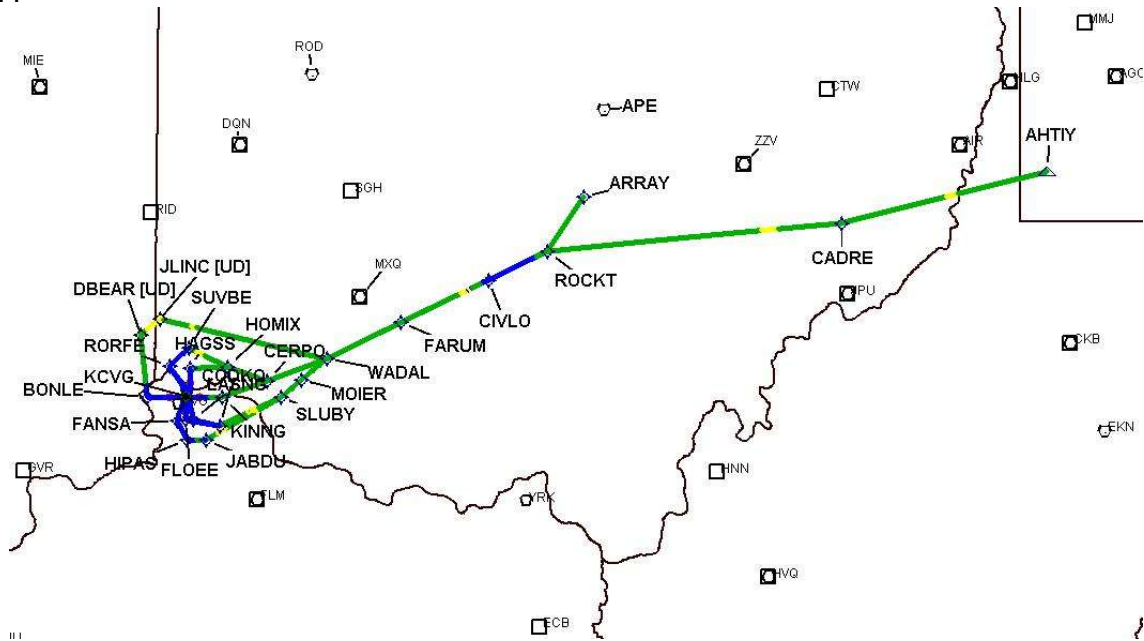
DME DME Assessment Results for ROCKT4 path KCVG:RW36R:DER_HOMIX

DME Error



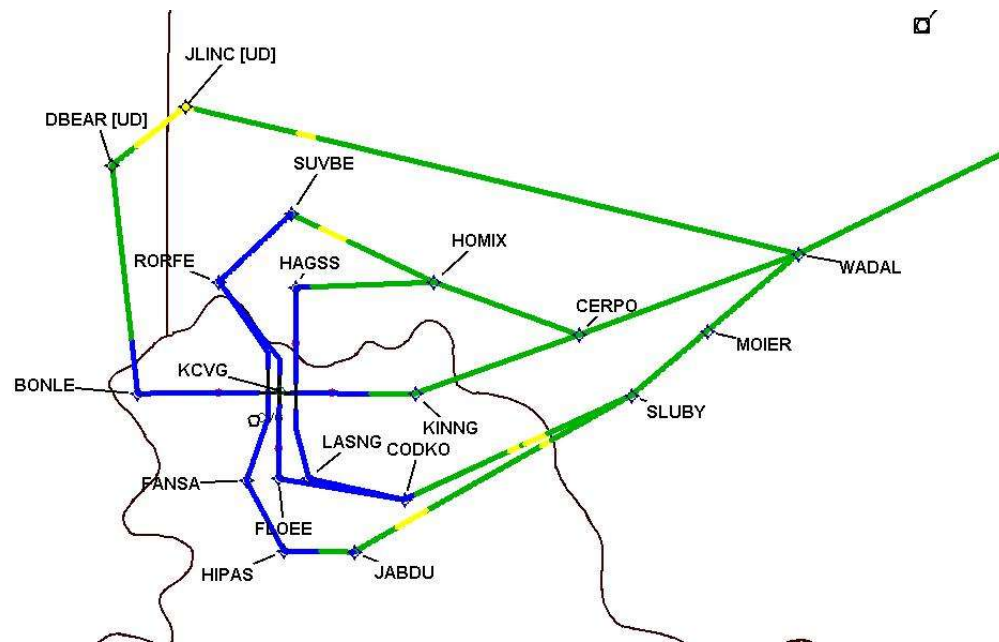
DME DME Assessment Results for ROCKT4 path KCVG:RW36R:DER_HOMIX

Graphic Depiction 1



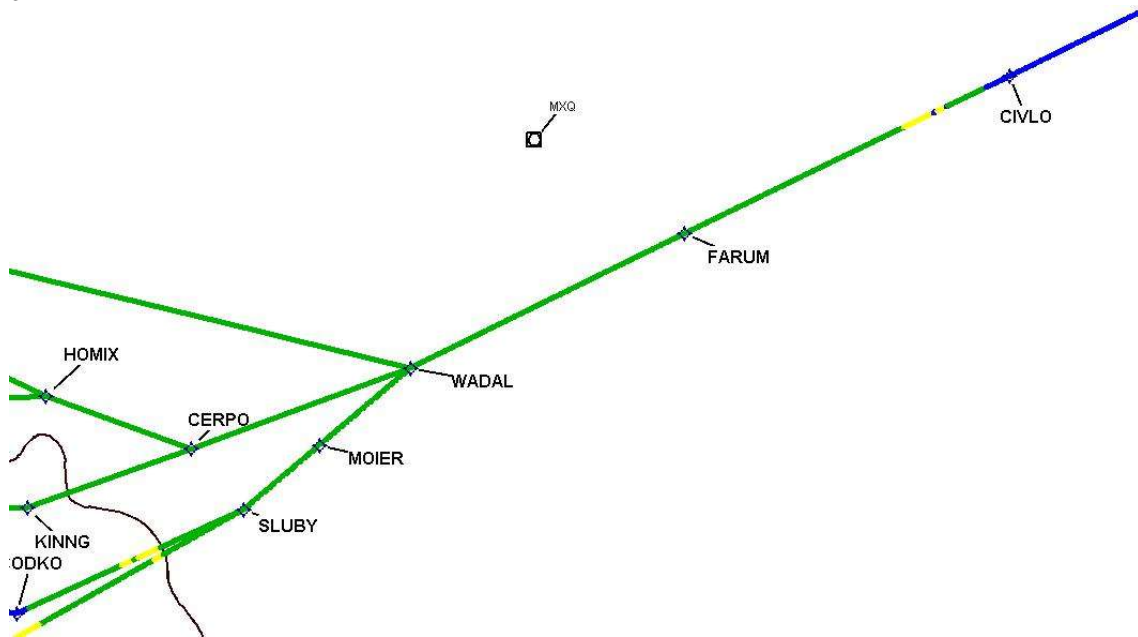
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Graphic Depiction 2



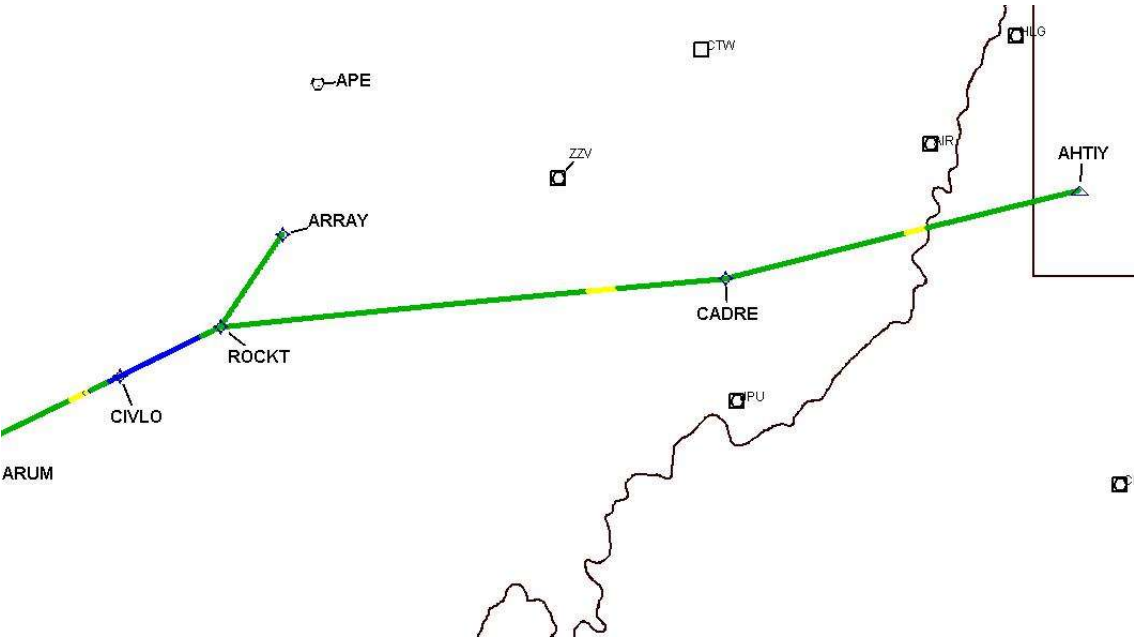
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Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path KCVG:RW36R:DER_HOMIX

Graphic Depiction 4



DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\LISAA--1\AppData\Local\Temp\ROCKT4 SID (RNAV) DME 20250429 DC.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG\ROCKT4 SID\KCVG [IFPA] ROCKT4 20250428_1552 EDT\ROCKT_ARRAY\KCVG ROCKT4 SID ROCKT ARRAY 20250428_1552 EDT.pdf
Procedure Name:	ROCKT4
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/28/2025 15:52 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
ROCKT	WP	N39° 36' 26.5200", W082° 52' 12.7700"	5000	VNAV	200	FLY_BY	TF
ARRAY	WP	N39° 48' 55.8000", W082° 41' 25.5200"	5000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KCVG [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	H		NO	Enabled	100 %	100 %
2	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ZZV	APE				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ROCKT	ARRAY	APE, ZZV	

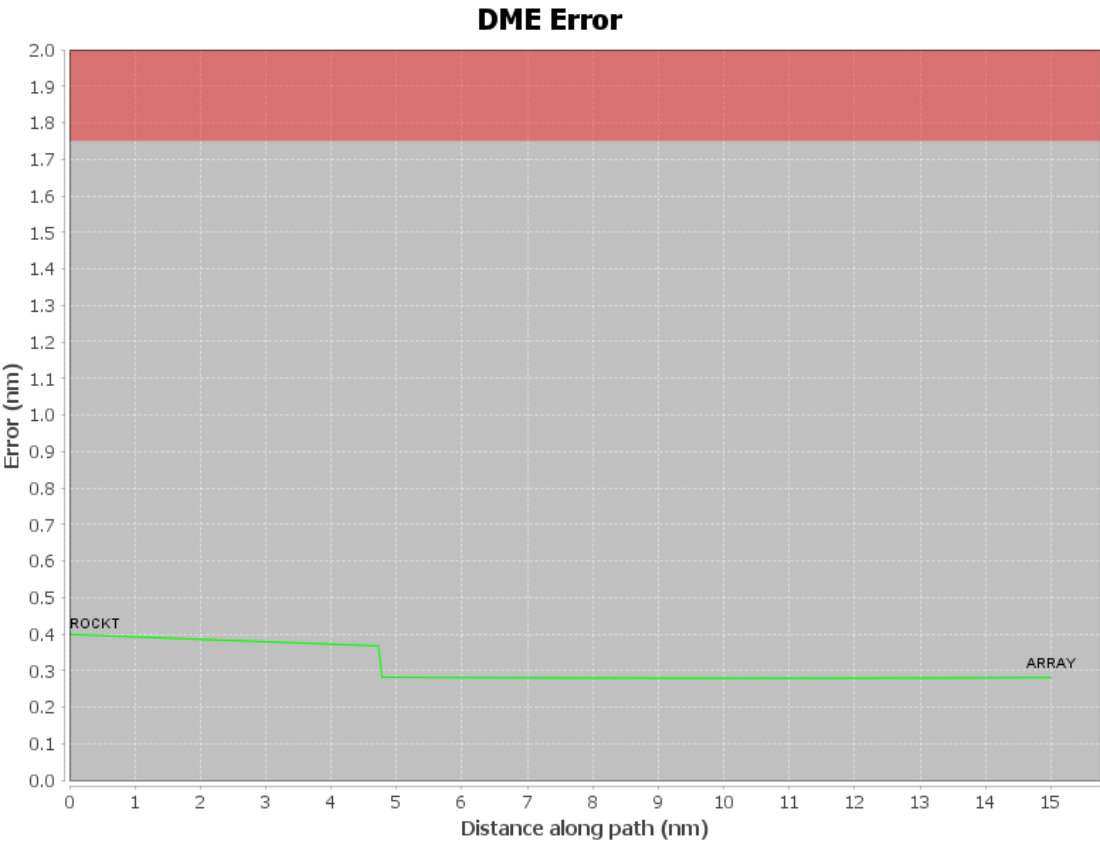
User Data Files	
#	File Name
None	

DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SGH FAA 803441-19 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-19	
ESV:		Bearing [True]: 90.0° to 209.0° Bearing [Mag]: 90.0° to 209.0°				Arc Distance: Out to 36.0 NM Altitude: 3800.0 to 14000.0 ft		
2	DQN FAA 680428-30 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-30	
ESV:		Bearing [True]: 180.0° to 205.0° Bearing [Mag]: 181.0° to 206.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 9000.0 ft		
3	SGH FAA 803441-21 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-21	
ESV:		Bearing [True]: 202.0° to 211.0° Bearing [Mag]: 202.0° to 211.0°				Arc Distance: Out to 66.0 NM Altitude: 4400.0 to 13100.0 ft		
4	SGH FAA 803441-22 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-22	
ESV:		Bearing [True]: 207.0° to 218.0° Bearing [Mag]: 207.0° to 218.0°				Arc Distance: Out to 66.0 NM Altitude: 4900.0 to 13100.0 ft		
5	SGH FAA 803441-8 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-8	
ESV:		Bearing [True]: 227.0° to 240.0° Bearing [Mag]: 227.0° to 240.0°				Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 9500.0 ft		
6	YRK FAA 755748-11 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-11	
ESV:		Bearing [True]: 281.0° to 291.0° Bearing [Mag]: 286.0° to 296.0°				Arc Distance: Out to 76.0 NM Altitude: 5000.0 to 20000.0 ft		
7	YRK FAA 755748-7 YRK	N38° 38' 38.8790", W082° 58' 42.0200"	5.0 W	40	1040	null	YRK FAA 755748-7	
ESV:		Bearing [True]: 275.0° to 350.0° Bearing [Mag]: 280.0° to 355.0°				Arc Distance: Out to 68.0 NM Altitude: 4800.0 to 19000.0 ft		
8	DQN FAA 680428-36 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 206.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 7000.0 ft		
9	DQN FAA 680428-45 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-45	
ESV:		Bearing [True]: 94.0° to 134.0° Bearing [Mag]: 95.0° to 135.0°				Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 19000.0 ft		
10	JPU FAA 211673-11 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-11	
ESV:		Bearing [True]: 259.0° to 295.0° Bearing [Mag]: 262.0° to 298.0°				Arc Distance: Out to 68.0 NM Altitude: 4900.0 to 19100.0 ft		
11	DQN FAA 680428-33 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-33	
ESV:		Bearing [True]: 122.0° to 180.0° Bearing [Mag]: 123.0° to 181.0°				Arc Distance: Out to 66.0 NM Altitude: 4700.0 to 20000.0 ft		
12	SGH FAA 803441-7 SGH [IFPA]	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-7	
ESV:		Bearing [True]: 220.0° to 235.0° Bearing [Mag]: 220.0° to 235.0°				Arc Distance: Out to 45.0 NM Altitude: 5000.0 to 18000.0 ft		
13	APE FAA 704247-53 APE [IFPA]	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-53	
ESV:		Bearing [True]: 219.0° to 244.0° Bearing [Mag]: 225.0° to 250.0°				Arc Distance: Out to 50.0 NM Altitude: 3800.0 to 15900.0 ft		
14	HYK FAA 680420-31 HYK	N37° 57' 58.8579", W084° 28' 21.0997"	0.0 E	40	1035.1	112.6	HYK FAA 680420-31	
ESV:		Bearing [True]: 342.0° to 21.0° Bearing [Mag]: 342.0° to 21.0°				Arc Distance: Out to 61.0 NM Altitude: 3500.0 to 12000.0 ft		
15	DQN FAA 680428-34 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-34	
ESV:		Bearing [True]: 173.0° to 185.0° Bearing [Mag]: 174.0° to 186.0°				Arc Distance: Out to 72.0 NM Altitude: 4700.0 to 20000.0 ft		
16	JPU FAA 211673-10 JPU	N39° 26' 28.2493", W081° 22' 29.1377"	3.0 W	40	1016.1	114.45	JPU FAA 211673-10	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
17	ROD FAA 682021-34 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-34	

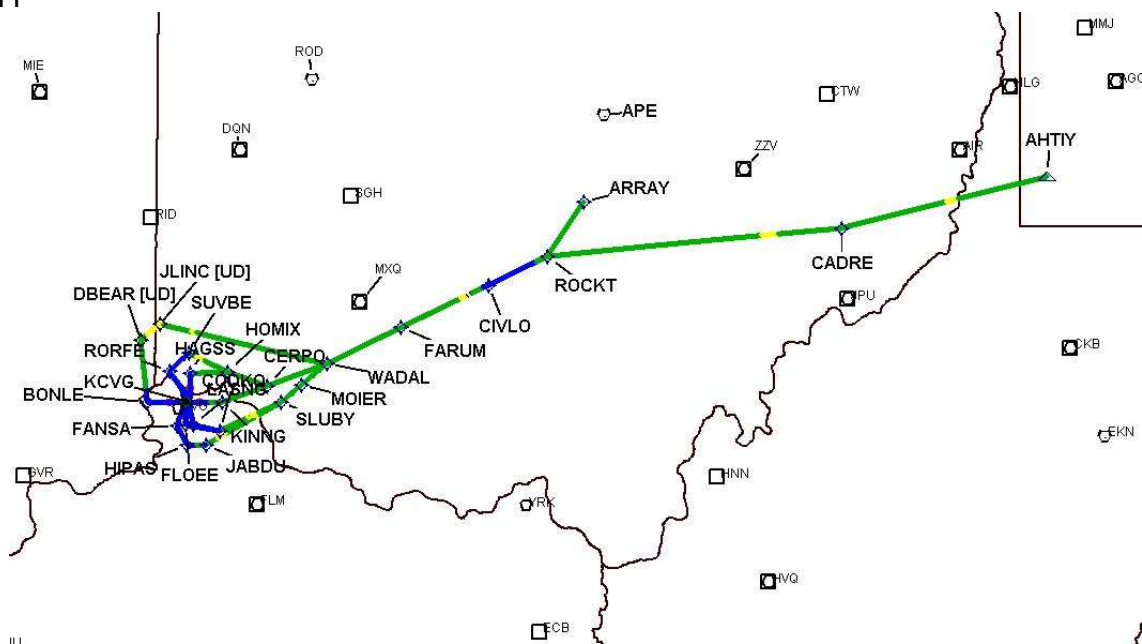
DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 185.0° to 195.0° Bearing [Mag]: 190.0° to 200.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 15600.0 ft		
18	ROD FAA 682021-36 ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	1079.5	117.5	ROD FAA 682021-36	
ESV:		Bearing [True]: 205.0° to 215.0° Bearing [Mag]: 210.0° to 220.0°				Arc Distance: Out to 75.0 NM Altitude: 5000.0 to 8000.0 ft		
19	SGH FAA 803441-23 SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	1046.4	113.2	SGH FAA 803441-23	
ESV:		Bearing [True]: 222.0° to 232.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 63.0 NM Altitude: 4900.0 to 13100.0 ft		
20	DQN FAA 680428-22 DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	989	114.5	DQN FAA 680428-22	
ESV:		Bearing [True]: 179.0° to 189.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 20000.0 ft		



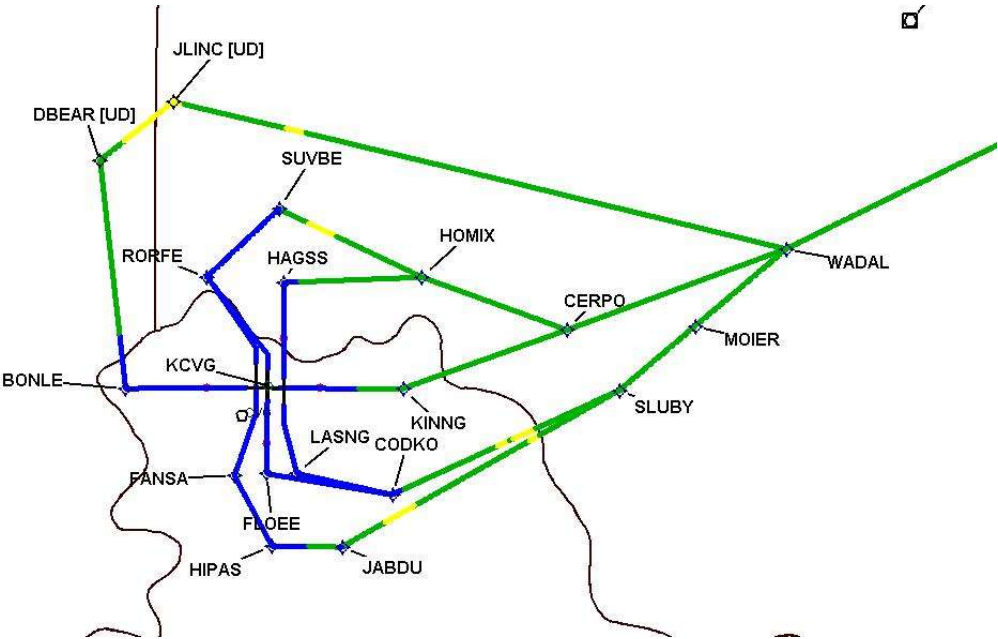
DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

Graphic Depiction 1



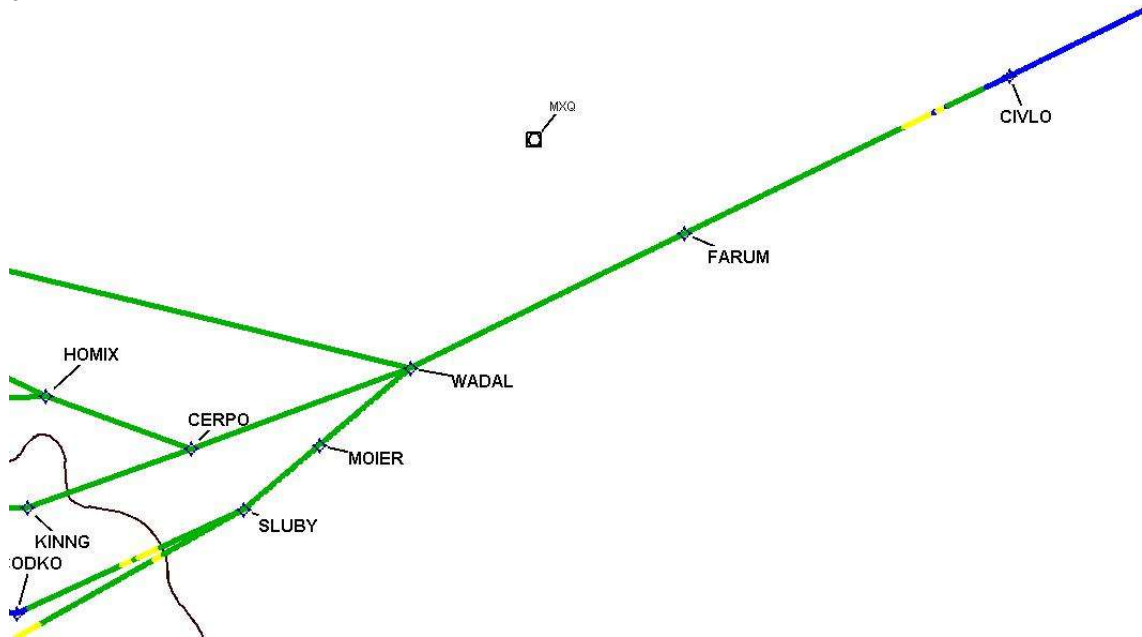
DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

Graphic Depiction 2



DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

Graphic Depiction 3



DME DME Assessment Results for ROCKT4 path ROCKT_ARRAY

Graphic Depiction 4

