

## DME DME Assessment Results for SARGO5 path DAAVE\_FIBSU

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\SARGO5 DME 250916.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\KCVG [IFPA] SARGO5 20250918_0858 EDT\DAAVE_FIBSU\KCVG SARGO5 RNAV STAR DAAVE FIBSU 20250918_0858 EDT.pdf
Procedure Name:	SARGO5
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/18/2025 08:58 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
DAAVE	WP	N38° 24' 56.2700", W089° 03' 11.2000"	14000	VNAV	210	FLY_BY	TF
JDUNN	WP	N38° 22' 04.0700", W088° 16' 16.0000"	14000	VNAV	210	FLY_BY	TF
JRICO	WP	N38° 15' 33.5800", W086° 42' 30.1700"	14000	VNAV	210	FLY_BY	TF
DADDI	WP	N38° 20' 56.0581", W086° 12' 12.3517"	10000	VNAV	210	FLY_BY	TF
FREZE	WP	N38° 34' 19.2454", W085° 41' 22.4377"	10000	VNAV	210	FLY_BY	TF
SARGO	WP	N38° 41' 01.0500", W085° 25' 46.0800"	10000	VNAV	210	FLY_BY	TF
VANGE	WP	N38° 47' 13.6300", W085° 15' 01.5100"	7000	VNAV	210	FLY_BY	TF
YEBUL	WP	N38° 50' 10.2000", W085° 09' 35.8400"	7000	VNAV	210	FLY_BY	TF
EYURA	WP	N38° 51' 23.5300", W085° 06' 01.1900"	7000	VNAV	210	FLY_BY	TF
AZONS	WP	N38° 56' 29.6600", W084° 50' 58.9100"	7000	VNAV	210	FLY_BY	TF
FIDEK	WP	N38° 57' 41.1400", W084° 47' 28.6900"	5000	VNAV	210	FLY_BY	TF
CADPO	WP	N38° 57' 34.8800", W084° 42' 37.7900"	5000	VNAV	210	FLY_BY	TF
FIBSU	WP	N38° 57' 34.2000", W084° 37' 30.1100"	5000	VNAV	210	FLY_OVER	TF

**DME DME Assessment Results for SARGO5 path DAAVE\_FIBSU**

<b>Flyability</b>	
Flight Type:	RNAV_STAR
Selected Airport:	KCVG [IFPA]
Climb Gradient:	None assigned
Speeds:	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

<b>DME/DME</b>	
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 SARGO5 path DAAVE\_FIBSU**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
<b>#</b>	<b>Name</b>	<b>Lat/Lon</b>	<b>MAGVAR</b>	<b>Range</b>	<b>Type</b>	<b>Source</b>	<b>Critical</b>	<b>Status</b>	<b>Time</b>	<b>Distance</b>
1	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	0.8 %	0.8 %
2	ENL	N38° 25' 11.9953", W089° 09' 32.3921"	4.0 E	130	H		NO	Enabled	15.9 %	15.9 %
3	GVR	N38° 45' 30.0200", W085° 28' 14.3200"	0.0 E	130	H		NO	Enabled	14.2 %	14.2 %
4	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	55 %	55 %
5	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL		NO	Enabled	30.1 %	30.1 %
6	AXC	N39° 44' 15.0773", W088° 51' 23.1534"	3.0 E	130	H		NO	Enabled	2.2 %	2.2 %
7	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	76.3 %	76.3 %
8	RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	L		NO	Enabled	2.6 %	2.6 %
9	PXV	N37° 55' 41.9514", W087° 45' 44.5675"	3.0 E	130	H		NO	Enabled	25.8 %	25.8 %
10	BWG	N36° 57' 52.0000", W086° 25' 24.0000"	0.0 E	130	DH		NO	Enabled	59.3 %	59.3 %
11	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H		NO	Enabled	22.7 %	22.7 %
12	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	18.6 %	18.6 %
13	MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	L		NO	Enabled	1.4 %	1.4 %
14	VNN	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	L		NO	Enabled	21.7 %	21.7 %
15	BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	L		NO	Enabled	18.9 %	18.9 %
16	OWB	N37° 44' 36.7983", W087° 09' 57.3722"	4.0 W	40	L		NO	Enabled	14.2 %	14.2 %
17	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	71.9 %	71.9 %

**DME DME Assessment Results for SARGO5 path DAAVE\_FIBSU**

<b>Flight Check DME Selection</b>						
<b>Distance [NM]</b>	<b>Selected DMEs</b>					<b>Alternate</b>
0.0	AXC	ENL	VNN	BIB	CSX	SAM
4.9	ENL	MWA	SAM	VNN	BIB	CSX
7.5	VNN	BIB	CSX	AXC	ENL	SAM
7.6	VNN	BIB	CSX	ENL	SAM	
10.0	BIB	CSX	ENL	SAM		
13.7	ENL	BIB	CSX	SAM	VNN	
35.0	SAM	PXV	VNN	BIB	CSX	BWG
41.4	SAM	PXV	VNN	CSX	BWG	
51.5	SHB	SAM	PXV	CSX	BWG	
66.1	SAM	PXV	SHB	BWG		
76.8	SAM	PXV	OWB	BWG	SHB	
91.5	SAM	OWB	SHB	BWG		
96.7	SAM	OWB	SHB	BWG	FLM	
108.0	BWG	SAM	SHB	FLM		
119.1	SHB	SAM	FLM			
128.9	BWG	SAM	SHB	FLM		
129.8	SHB	IIU	BWG	SAM	FLM	
157.8	SHB	FLM	IIU	BWG		
169.4	IIU	FLM	SHB			
174.1	GVR	FLM	IIU	SHB		
174.7	IIU	FLM	SHB			
176.5	IIU	FLM	SHB	CVG	GVR	
176.8	IIU	FLM	SHB	CVG		
179.6	SHB	CVG	FLM			
181.2	SHB	CVG	FLM	GVR		
211.6	CVG	FLM	RID	SHB		
215.6	DQN	SHB	FLM	CVG	RID	
217.4						

<b>Inertial Drift Segments</b>			
<b>#</b>	<b>Start Location</b>	<b>End Location</b>	<b>Length [NM]</b>
1	N38° 57' 34.5533", W084° 39' 57.2611"	N38° 57' 34.2000", W084° 37' 30.1100"	1.913

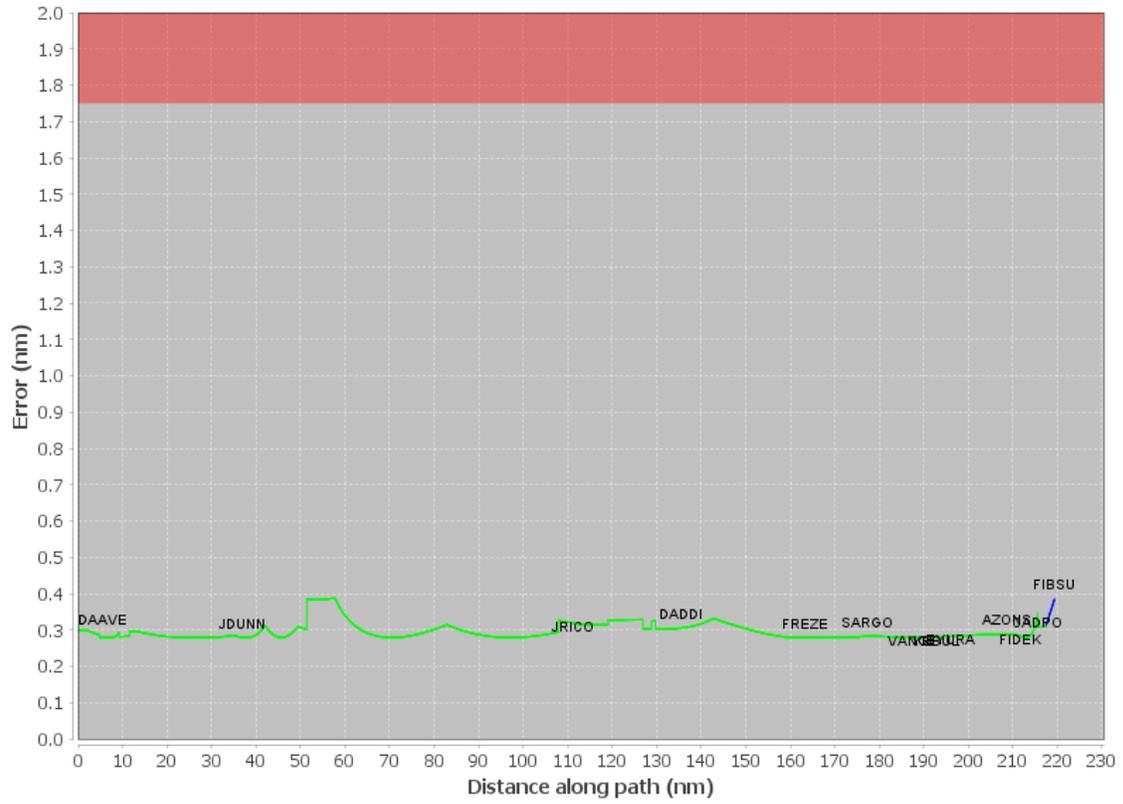
<b>Available DMEs by Waypoints</b>			
<b>Waypoint Before</b>	<b>Waypoint After</b>	<b>DME List</b>	<b>Suggested DMEs</b>
DAAVE	JDUNN	ENL, BWG, MWA, VNN, CSX, BIB, AXC, SAM, PXV	
JDUNN	JRICO	BWG, FLM, VNN, CSX, BIB, OWB, SHB, SAM, PXV	
JRICO	DADDI	BWG, IIU, FLM, SHB, SAM	
DADDI	FREZE	BWG, IIU, FLM, SHB, SAM	
FREZE	SARGO	GVR, BWG, IIU, CVG, FLM, SHB	
SARGO	VANGE	GVR, IIU, CVG, FLM, SHB	
VANGE	YEBUL	GVR, CVG, FLM, SHB	
YEBUL	EYURA	GVR, CVG, FLM, SHB	
EYURA	AZONS	GVR, CVG, FLM, SHB	
AZONS	FIDEK	GVR, CVG, FLM, SHB	
FIDEK	CADPO	CVG, FLM, RID, SHB	
CADPO	FIBSU	DQN, CVG, FLM, SHB, RID	

**DME DME Assessment Results for SARGO5 path DAAVE\_FIBSU**

<b>User Data Files</b>								
#	File Name							
None								
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MWA FAA 861441-19 MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	110.4	MWA FAA 861441-19	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 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	RID FAA 702676-57 RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	1135.2	113.65	RID FAA 702676-57	
ESV:		Bearing [True]: 164.0° to 184.0° Bearing [Mag]: 164.0° to 184.0°				Arc Distance: Out to 58.0 NM Altitude: 4000.0 to 20000.0 ft		
4	AXC FAA 774674-10 AXC	N39° 44' 15.0773", W088° 51' 23.1534"	3.0 E	130	707.5	117.2	AXC FAA 774674-10	
ESV:		Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°				Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 15300.0 ft		
5	BIB FAA 702678-11 BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-11	
ESV:		Bearing [True]: 213.0° to 226.0° Bearing [Mag]: 210.0° to 223.0°				Arc Distance: Out to 44.0 NM Altitude: 9900.0 to 18600.0 ft		

# DME DME Assessment Results for SARGO5 path DAAVE\_FIBSU

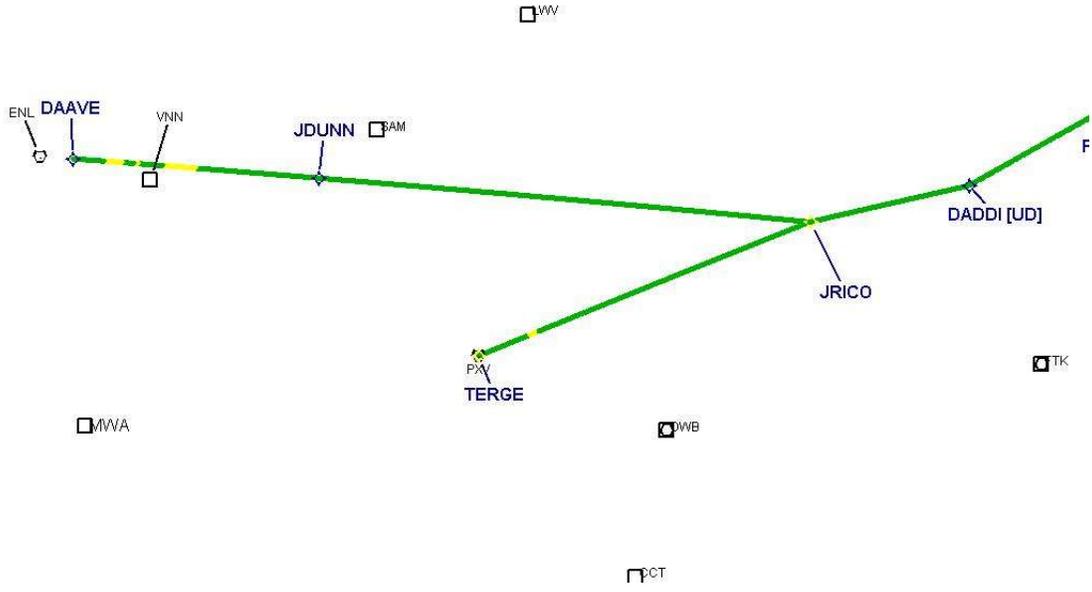
## DME Error





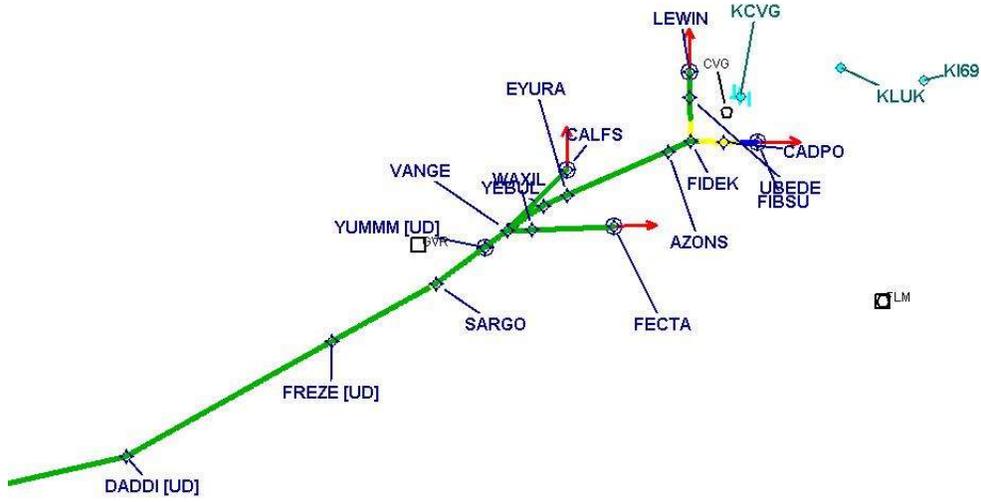
# DME DME Assessment Results for SARGO5 path DAAVE\_FIBSU

Graphic Depiction 2



# DME DME Assessment Results for SARGO5 path DAAVE\_FIBSU

Graphic Depiction 3



## DME DME Assessment Results for SARGO5 path FIDEK\_LEWIN

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\SARGO5 DME 250916.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\KCVG [IFPA] SARGO5 20250918_0858 EDT\FIDEK_LEWIN\KCVG SARGO5 RNAV STAR FIDEK LEWIN 20250918_0858 EDT.pdf
Procedure Name:	SARGO5
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/18/2025 08:58 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
FIDEK	WP	N38° 57' 41.1400", W084° 47' 28.6900"	5000	VNAV	210	FLY_BY	TF
UBEDE	WP	N39° 02' 43.6900", W084° 47' 43.9100"	5000	VNAV	210	FLY_BY	TF
LEWIN	WP	N39° 05' 43.8600", W084° 47' 43.2200"	5000	VNAV	210	FLY_OVER	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCVG [IFPA]
Climb Gradient:	None assigned
Speeds:	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 SARGO5 path FIDEK\_LEWIN

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	87.7 %	87.7 %
2	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	29.5 %	29.5 %
3	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	100 %	100 %
4	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	100 %	100 %
5	RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	L		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SHB	CVG	FLM	RID		
1.0	CVG	FLM	SHB	DQN	RID	
2.4	DQN	SHB	FLM	RID		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FIDEK	UBEDE	DQN, CVG, FLM, SHB, RID	
UBEDE	LEWIN	DQN, FLM, SHB, RID	

**DME DME Assessment Results for SARGO5 path FIDEK\_LEWIN**

**User Data Files**

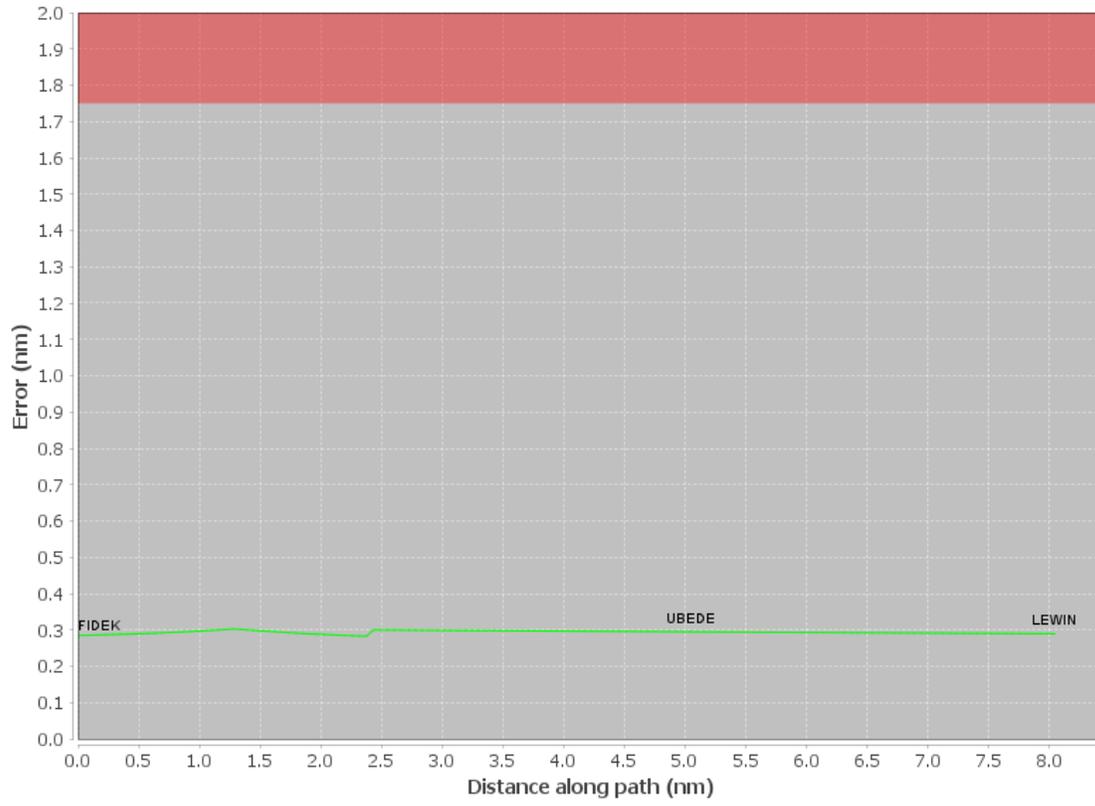
#	File Name
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**User DMEs**

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MWA FAA 861441-19 MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	110.4	MWA FAA 861441-19	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 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	RID FAA 702676-57 RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	1135.2	113.65	RID FAA 702676-57	
ESV:		Bearing [True]: 164.0° to 184.0° Bearing [Mag]: 164.0° to 184.0°				Arc Distance: Out to 58.0 NM Altitude: 4000.0 to 20000.0 ft		
4	AXC FAA 774674-10 AXC	N39° 44' 15.0773", W088° 51' 23.1534"	3.0 E	130	707.5	117.2	AXC FAA 774674-10	
ESV:		Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°				Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 15300.0 ft		
5	BIB FAA 702678-11 BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-11	
ESV:		Bearing [True]: 213.0° to 226.0° Bearing [Mag]: 210.0° to 223.0°				Arc Distance: Out to 44.0 NM Altitude: 9900.0 to 18600.0 ft		

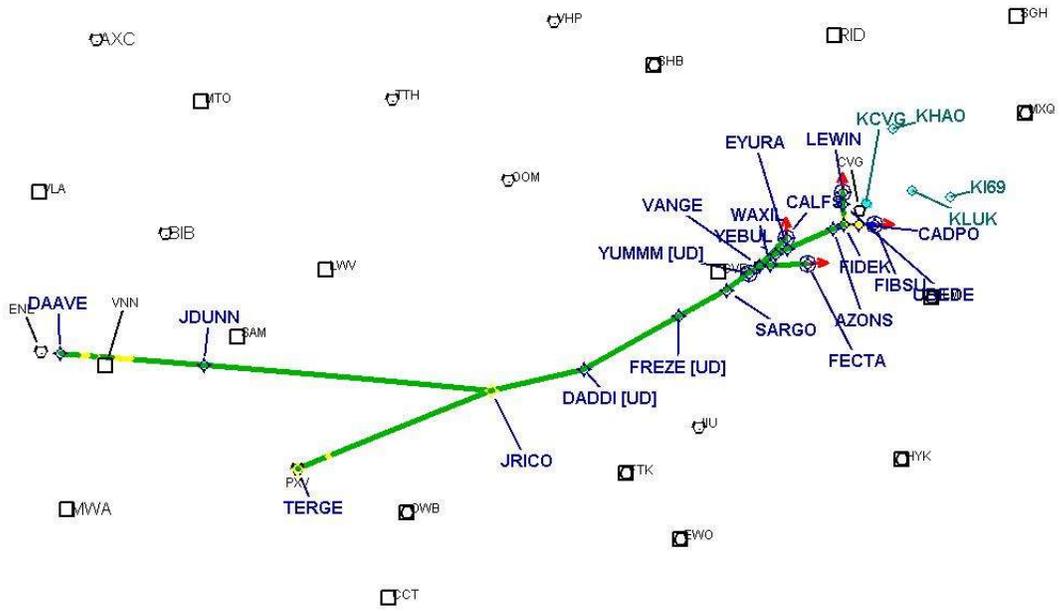
# DME DME Assessment Results for SARGO5 path FIDEK\_LEWIN

## DME Error



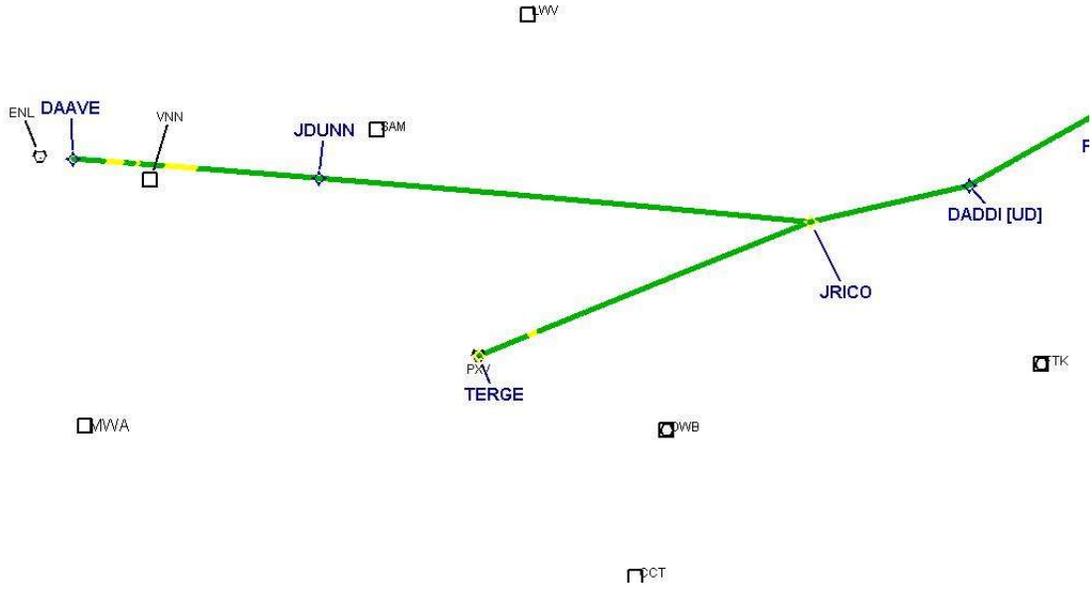
# DME DME Assessment Results for SARGO5 path FIDEK\_LEWIN

Graphic Depiction 1



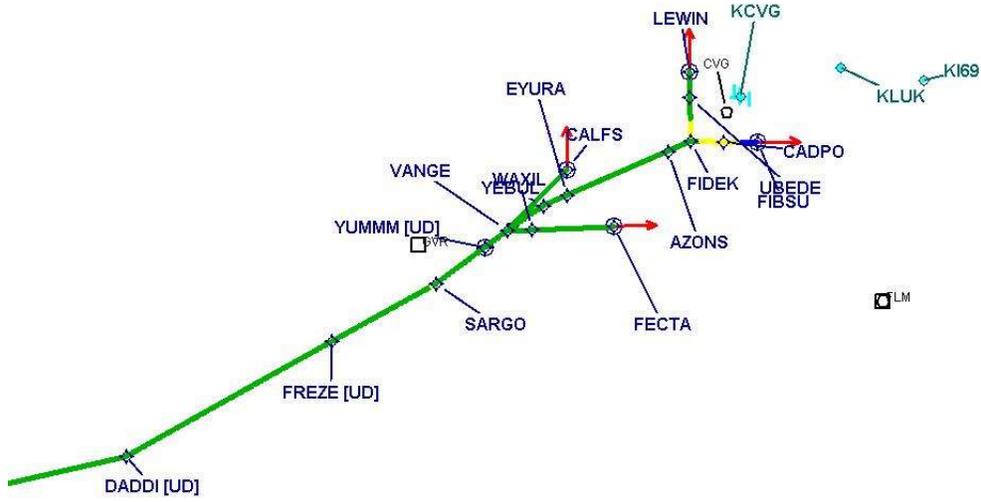
# DME DME Assessment Results for SARGO5 path FIDEK\_LEWIN

Graphic Depiction 2



# DME DME Assessment Results for SARGO5 path FIDEK\_LEWIN

Graphic Depiction 3



## DME DME Assessment Results for SARGO5 path SARGO\_YUMMM

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\SARGO5 DME 250916.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\KCVG [IFPA] SARGO5 20250918_0858 EDT\SARGO_YUMMM\KCVG SARGO5 RNAV STAR SARGO YUMMM 20250918_0858 EDT.pdf
Procedure Name:	SARGO5
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/18/2025 08:58 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
SARGO	WP	N38° 41' 01.0500", W085° 25' 46.0800"	10000	VNAV	210	FLY_BY	TF
YUMMM	WP	N38° 45' 16.6523", W085° 18' 25.8492"	10000	VNAV	200	FLY_OVER	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KCVG [IFPA]
Climb Gradient:	None assigned
Speeds:	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 SARGO5 path SARGO\_YUMMM

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	GVR	N38° 45' 30.0200", W085° 28' 14.3200"	0.0 E	130	H		NO	Enabled	43.1 %	43.1 %
2	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H		NO	Enabled	33.3 %	33.3 %
3	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	100 %	100 %
4	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	100 %	100 %
5	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	100 %	100 %

Flight Check DME Selection					
Distance [NM]	Selected DMEs				Alternate
0.0	IIU	FLM	SHB	CVG	
2.4	SHB	CVG	FLM		
4.1	SHB	CVG	FLM	GVR	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SARGO	YUMMM	GVR, IIU, CVG, FLM, SHB	

**DME DME Assessment Results for SARGO5 path SARGO\_YUMMM**

**User Data Files**

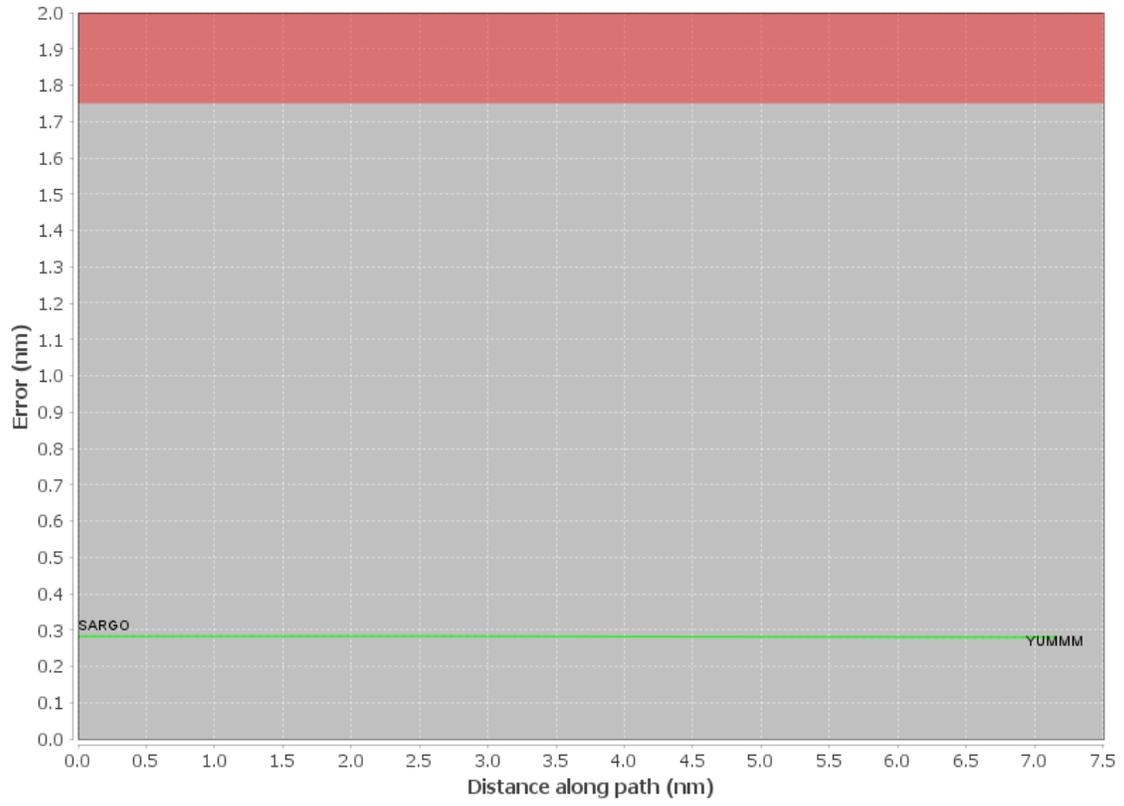
#	File Name
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**User DMEs**

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MWA FAA 861441-19 MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	110.4	MWA FAA 861441-19	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 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	RID FAA 702676-57 RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	1135.2	113.65	RID FAA 702676-57	
ESV:		Bearing [True]: 164.0° to 184.0° Bearing [Mag]: 164.0° to 184.0°				Arc Distance: Out to 58.0 NM Altitude: 4000.0 to 20000.0 ft		
4	AXC FAA 774674-10 AXC	N39° 44' 15.0773", W088° 51' 23.1534"	3.0 E	130	707.5	117.2	AXC FAA 774674-10	
ESV:		Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°				Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 15300.0 ft		
5	BIB FAA 702678-11 BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-11	
ESV:		Bearing [True]: 213.0° to 226.0° Bearing [Mag]: 210.0° to 223.0°				Arc Distance: Out to 44.0 NM Altitude: 9900.0 to 18600.0 ft		

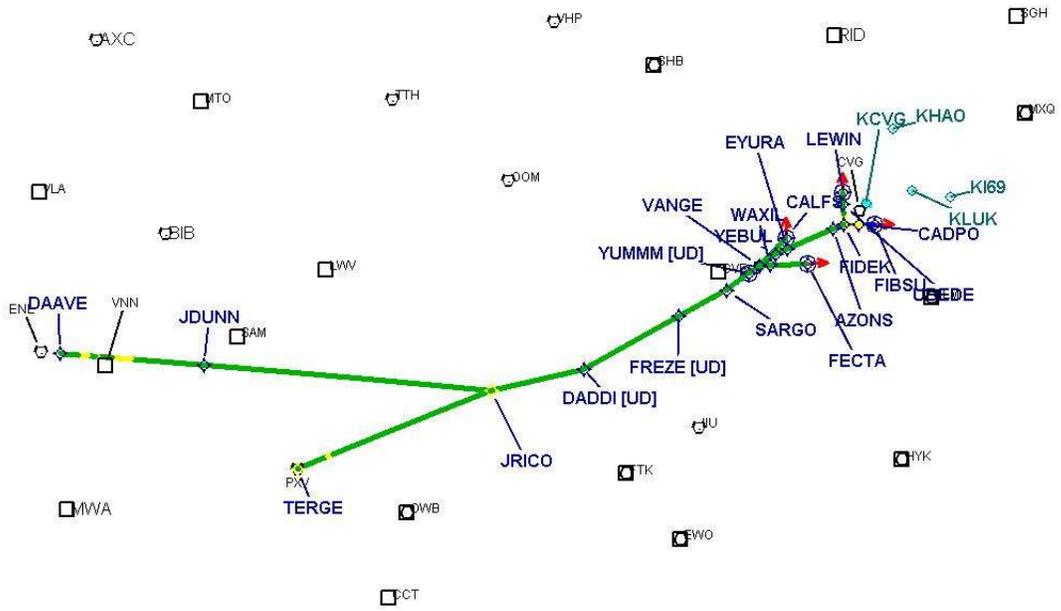
# DME DME Assessment Results for SARGO5 path SARGO\_YUMMM

## DME Error



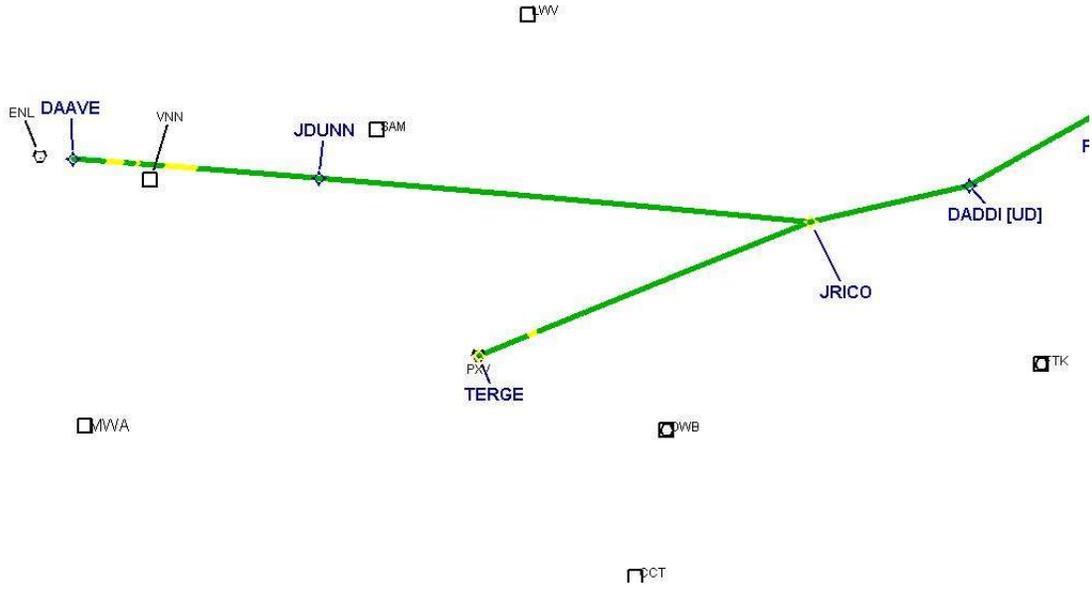
# DME DME Assessment Results for SARGO5 path SARGO\_YUMMM

Graphic Depiction 1



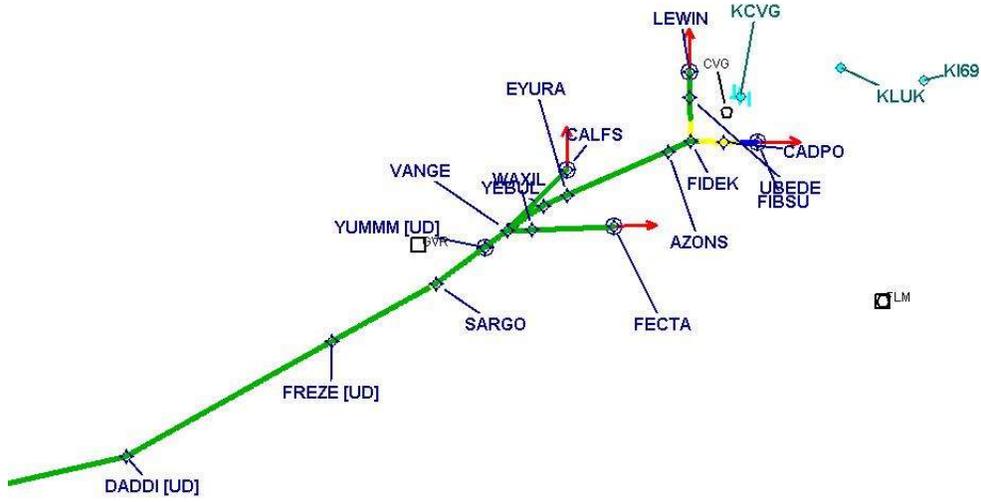
# DME DME Assessment Results for SARGO5 path SARGO\_YUMMM

Graphic Depiction 2



# DME DME Assessment Results for SARGO5 path SARGO\_YUMMM

Graphic Depiction 3



## DME DME Assessment Results for SARGO5 path TERGE\_JRICO

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\SARGO5 DME 250916.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\KCVG [IFPA] SARGO5 20250918_0858 EDT\TERGE_JRICO\KCVG SARGO5 RNAV STAR TERGE JRICO 20250918_0858 EDT.pdf
Procedure Name:	SARGO5
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/18/2025 08:58 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
TERGE	WP	N37° 55' 42.4700", W087° 45' 44.1900"	14000	VNAV	210	FLY_BY	TF
JRICO	WP	N38° 15' 33.5800", W086° 42' 30.1700"	14000	VNAV	210	FLY_BY	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCVG [IFPA]
Climb Gradient:	None assigned
Speeds:	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 SARGO5 path TERGE\_JRICO

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	BWG	N36° 57' 52.0000", W086° 25' 24.0000"	0.0 E	130	DH		NO	Enabled	100 %	100 %
2	CCT	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	L		NO	Enabled	2.9 %	2.9 %
3	MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	L		NO	Enabled	15.2 %	15.2 %
4	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	26.9 %	26.9 %
5	OWB	N37° 44' 36.7983", W087° 09' 57.3722"	4.0 W	40	L		NO	Enabled	95.8 %	95.8 %
6	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	84.7 %	84.7 %
7	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	100 %	100 %
8	PXV	N37° 55' 41.9514", W087° 45' 44.5675"	3.0 E	130	H		NO	Enabled	68.5 %	68.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MWA	SAM	BWG	OWB		
2.9	MWA	SAM	BWG			
3.0	SAM	PXV	MWA	BWG		
4.9	SAM	PXV	MWA	BWG	OWB	
8.2	PXV	CCT	SAM	BWG	OWB	SHB
9.9	SAM	PXV	BWG	OWB	SHB	
39.9	SAM	OWB	SHB	BWG	FLM	
53.6	BWG	SAM	SHB	FLM		

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

## DME DME Assessment Results for SARGO5 path TERGE\_JRICO

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TERGE	JRICO	BWG, CCT, MWA, FLM, OWB, SHB, SAM, PXV	

### User Data Files

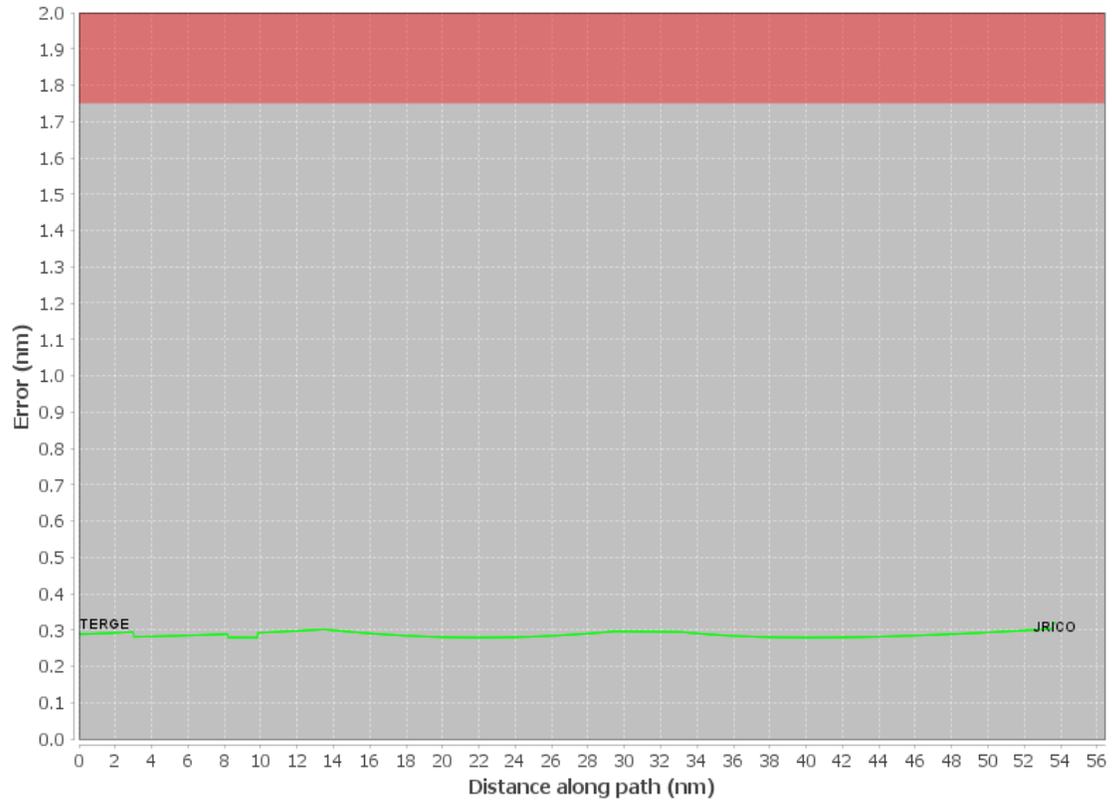
#	File Name
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### User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MWA FAA 861441-19 MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	110.4	MWA FAA 861441-19	
	ESV:	Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 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	RID FAA 702676-57 RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	1135.2	113.65	RID FAA 702676-57	
	ESV:	Bearing [True]: 164.0° to 184.0° Bearing [Mag]: 164.0° to 184.0°				Arc Distance: Out to 58.0 NM Altitude: 4000.0 to 20000.0 ft		
4	AXC FAA 774674-10 AXC	N39° 44' 15.0773", W088° 51' 23.1534"	3.0 E	130	707.5	117.2	AXC FAA 774674-10	
	ESV:	Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°				Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 15300.0 ft		
5	BIB FAA 702678-11 BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-11	
	ESV:	Bearing [True]: 213.0° to 226.0° Bearing [Mag]: 210.0° to 223.0°				Arc Distance: Out to 44.0 NM Altitude: 9900.0 to 18600.0 ft		

# DME DME Assessment Results for SARGO5 path TERGE\_JRICO

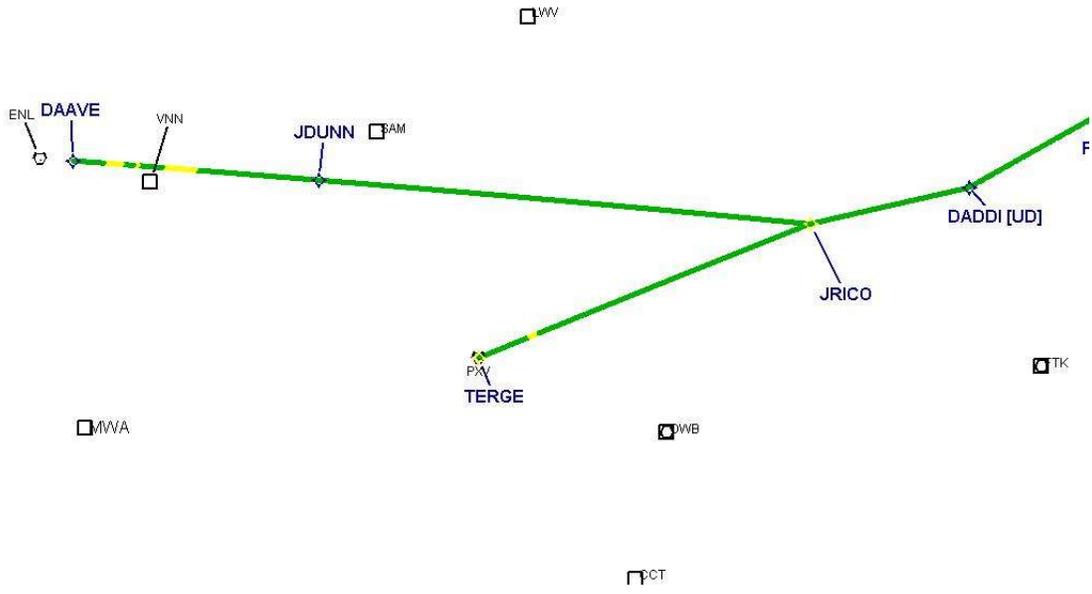
## DME Error





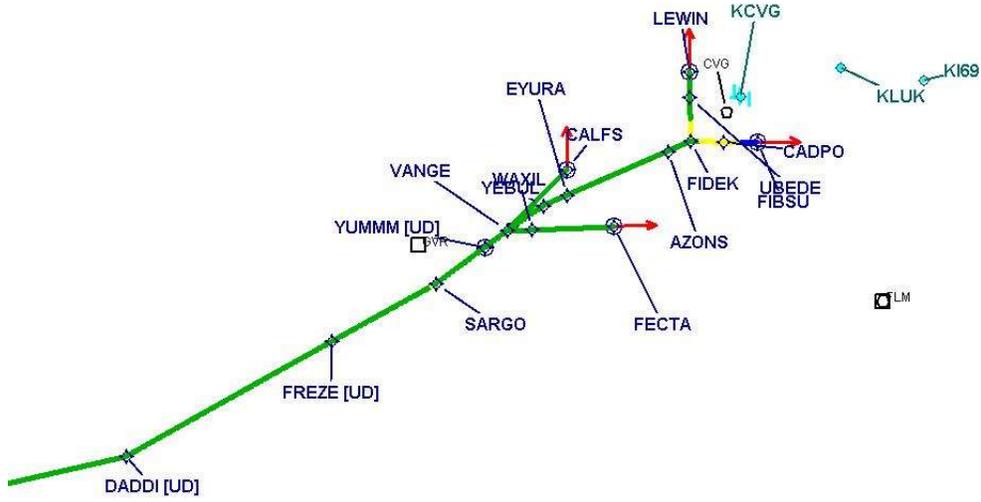
# DME DME Assessment Results for SARGO5 path TERGE\_JRICO

Graphic Depiction 2



# DME DME Assessment Results for SARGO5 path TERGE\_JRICO

Graphic Depiction 3



## DME DME Assessment Results for SARGO5 path VANGE\_CALFS

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\SARGO5 DME 250916.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\KCVG [IFPA] SARGO5 20250918_0858 EDT\VANGE_CALFS\KCVG SARGO5 RNAV STAR VANGE CALFS 20250918_0858 EDT.pdf
Procedure Name:	SARGO5
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/18/2025 08:58 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
VANGE	WP	N38° 47' 13.6300", W085° 15' 01.5100"	7000	VNAV	210	FLY_BY	TF
CALFS	WP	N38° 54' 16.3100", W085° 06' 03.8300"	7000	VNAV	210	FLY_OVER	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KCVG [IFPA]
Climb Gradient:	None assigned
Speeds:	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 SARGO5 path VANGE\_CALFS**

<b>DME/DME</b>	
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

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	GVR	N38° 45' 30.0200", W085° 28' 14.3200"	0.0 E	130	H		NO	Enabled	100 %	100 %
2	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	100 %	100 %
3	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	100 %	100 %
4	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	100 %	100 %

<b>Flight Check DME Selection</b>						
Distance [NM]	Selected DMEs					Alternate
0.0	SHB	CVG	GVR	FLM		

<b>Inertial Drift Segments</b>			
#	Start Location	End Location	Length [NM]

<b>Available DMEs by Waypoints</b>			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
VANGE	CALFS	GVR, CVG, FLM, SHB	

**DME DME Assessment Results for SARGO5 path VANGE\_CALFS**

**User Data Files**

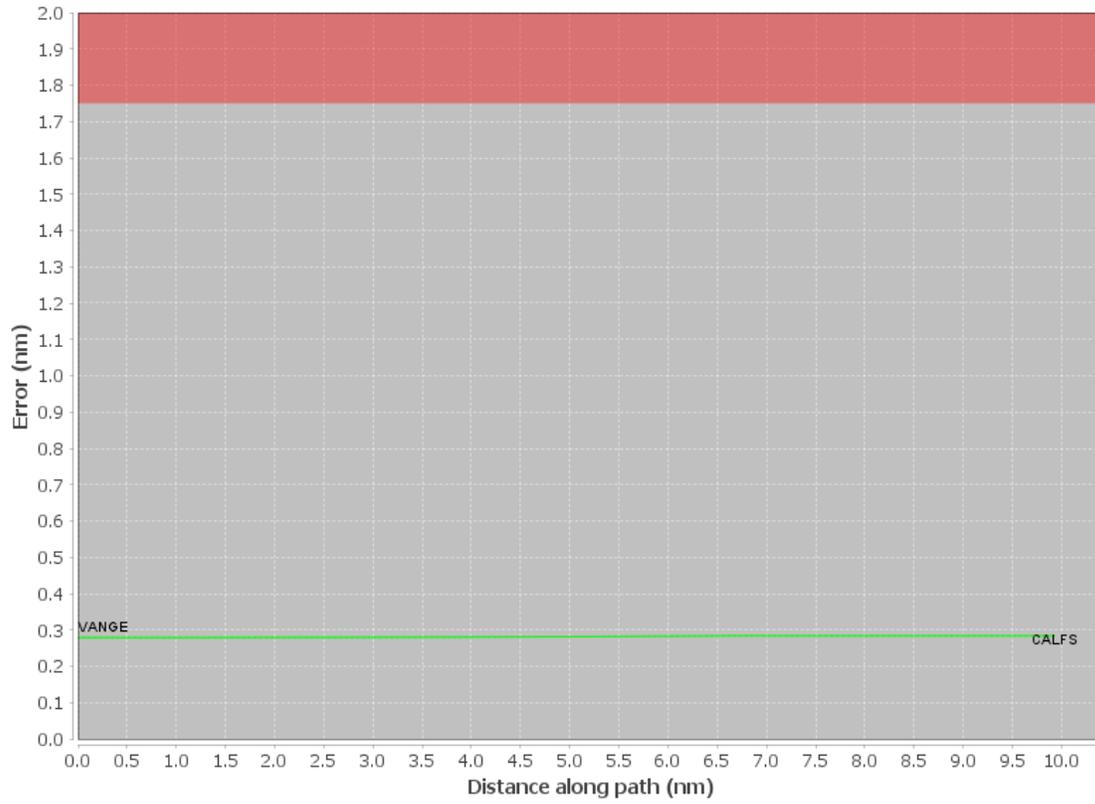
#	File Name
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**User DMEs**

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MWA FAA 861441-19 MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	110.4	MWA FAA 861441-19	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 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	RID FAA 702676-57 RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	1135.2	113.65	RID FAA 702676-57	
ESV:		Bearing [True]: 164.0° to 184.0° Bearing [Mag]: 164.0° to 184.0°				Arc Distance: Out to 58.0 NM Altitude: 4000.0 to 20000.0 ft		
4	AXC FAA 774674-10 AXC	N39° 44' 15.0773", W088° 51' 23.1534"	3.0 E	130	707.5	117.2	AXC FAA 774674-10	
ESV:		Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°				Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 15300.0 ft		
5	BIB FAA 702678-11 BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-11	
ESV:		Bearing [True]: 213.0° to 226.0° Bearing [Mag]: 210.0° to 223.0°				Arc Distance: Out to 44.0 NM Altitude: 9900.0 to 18600.0 ft		

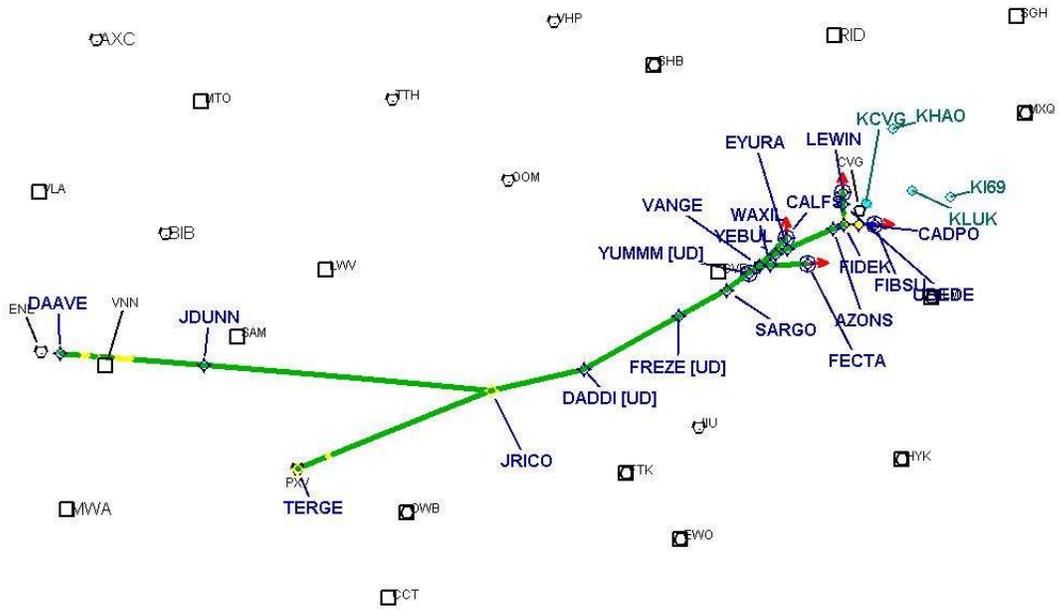
# DME DME Assessment Results for SARGO5 path VANGE\_CALFS

## DME Error



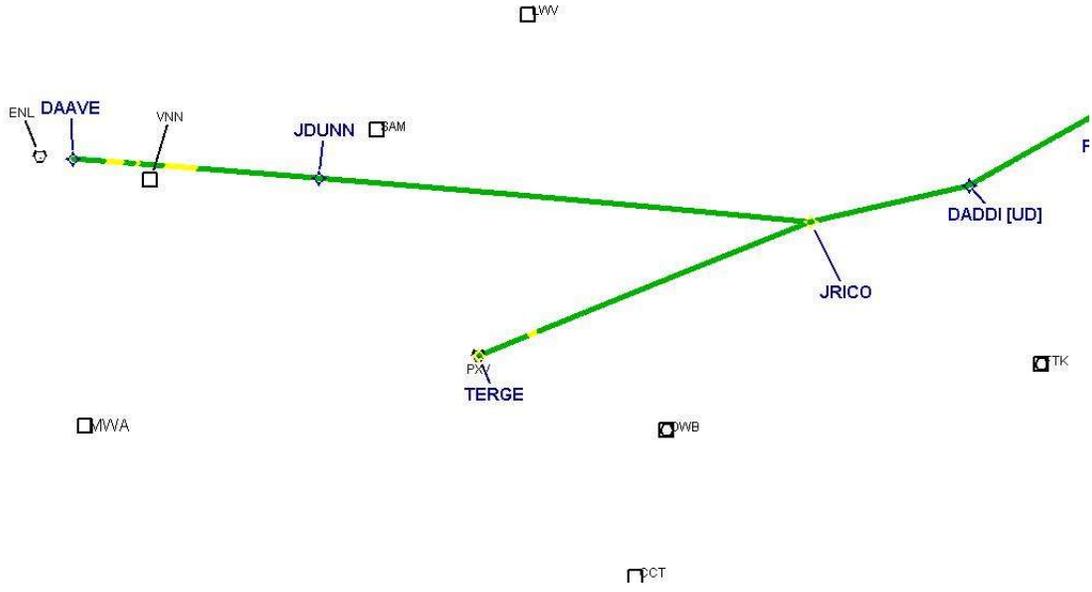
# DME DME Assessment Results for SARGO5 path VANGE\_CALFS

Graphic Depiction 1



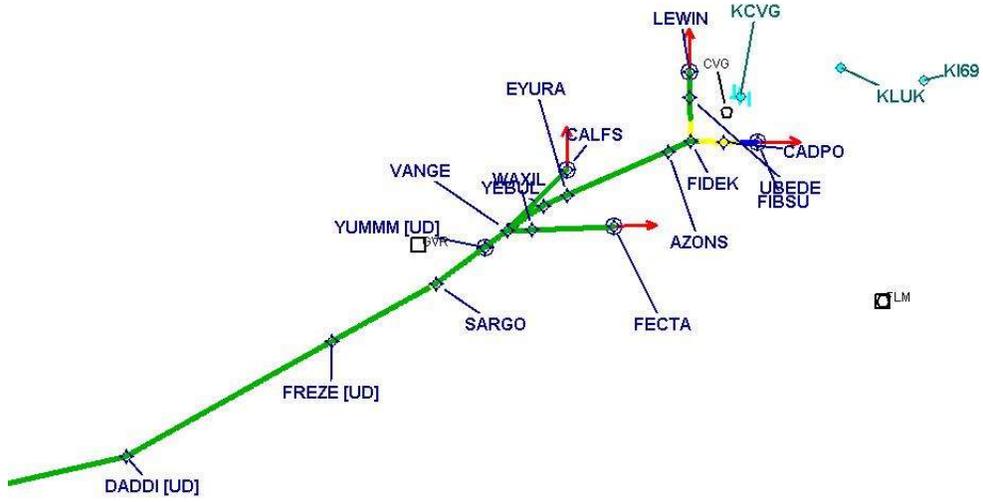
# DME DME Assessment Results for SARGO5 path VANGE\_CALFS

Graphic Depiction 2



# DME DME Assessment Results for SARGO5 path VANGE\_CALFS

Graphic Depiction 3



## DME DME Assessment Results for SARGO5 path VANGE\_FECTA

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\SARGO5 DME 250916.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KCVG 251002\SARGO5 STAR 260122\KCVG [IFPA] SARGO5 20250918_0858 EDT\VANGE_FECTA\KCVG SARGO5 RNAV STAR VANGE FECTA 20250918_0858 EDT.pdf
Procedure Name:	SARGO5
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/18/2025 08:58 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
VANGE	WP	N38° 47' 13.6300", W085° 15' 01.5100"	7000	VNAV	210	FLY_BY	TF
WAXIL	WP	N38° 47' 19.9100", W085° 11' 25.2600"	5000	VNAV	200	FLY_BY	TF
FECTA	WP	N38° 47' 42.0800", W084° 59' 07.0700"	5000	VNAV	200	FLY_OVER	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KCVG [IFPA]
Climb Gradient:	None assigned
Speeds:	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 SARGO5 path VANGE\_FECTA

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	GVR	N38° 45' 30.0200", W085° 28' 14.3200"	0.0 E	130	H		NO	Enabled	100 %	100 %
2	CVG	N39° 00' 57.5308", W084° 42' 12.0468"	4.0 W	40	L		NO	Enabled	100 %	100 %
3	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	100 %	100 %
4	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	100 %	100 %

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

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
VANGE	WAXIL	GVR, CVG, FLM, SHB	
WAXIL	FECTA	GVR, CVG, FLM, SHB	

**DME DME Assessment Results for SARGO5 path VANGE\_FECTA**

**User Data Files**

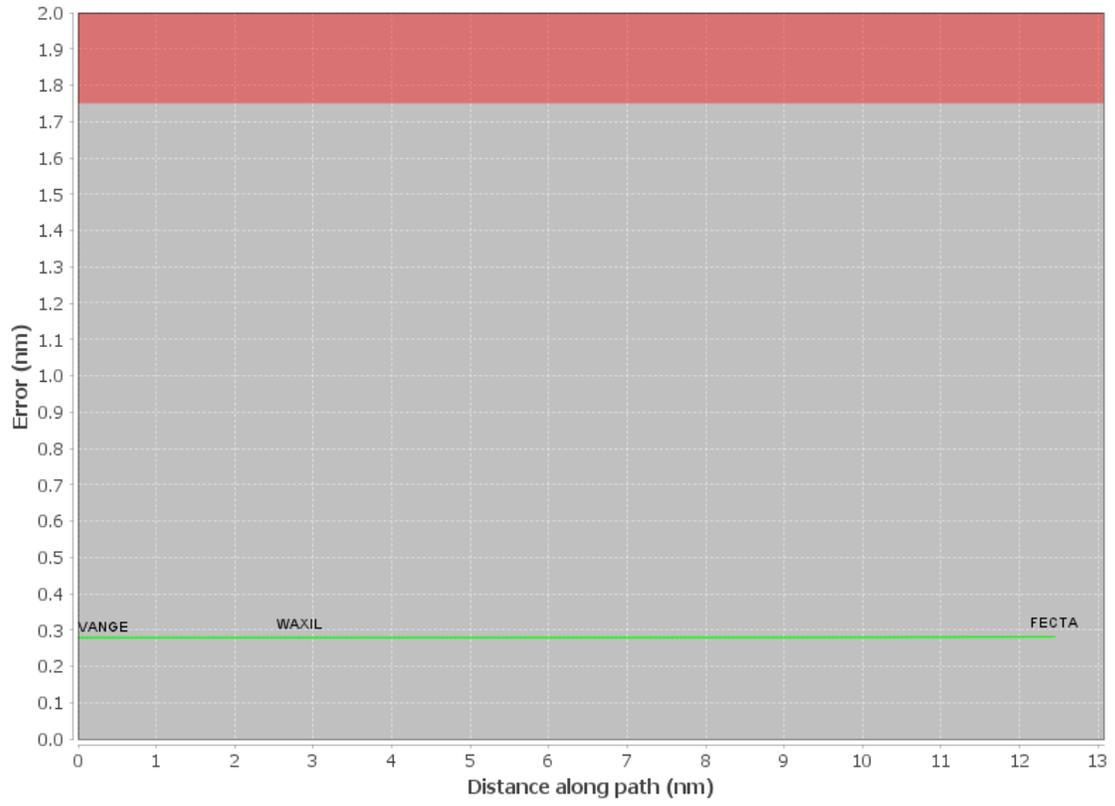
#	File Name
None	

**User DMEs**

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MWA FAA 861441-19 MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	110.4	MWA FAA 861441-19	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 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	RID FAA 702676-57 RID	N39° 45' 18.0289", W084° 50' 19.7836"	0.0 E	40	1135.2	113.65	RID FAA 702676-57	
ESV:		Bearing [True]: 164.0° to 184.0° Bearing [Mag]: 164.0° to 184.0°				Arc Distance: Out to 58.0 NM Altitude: 4000.0 to 20000.0 ft		
4	AXC FAA 774674-10 AXC	N39° 44' 15.0773", W088° 51' 23.1534"	3.0 E	130	707.5	117.2	AXC FAA 774674-10	
ESV:		Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°				Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 15300.0 ft		
5	BIB FAA 702678-11 BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-11	
ESV:		Bearing [True]: 213.0° to 226.0° Bearing [Mag]: 210.0° to 223.0°				Arc Distance: Out to 44.0 NM Altitude: 9900.0 to 18600.0 ft		

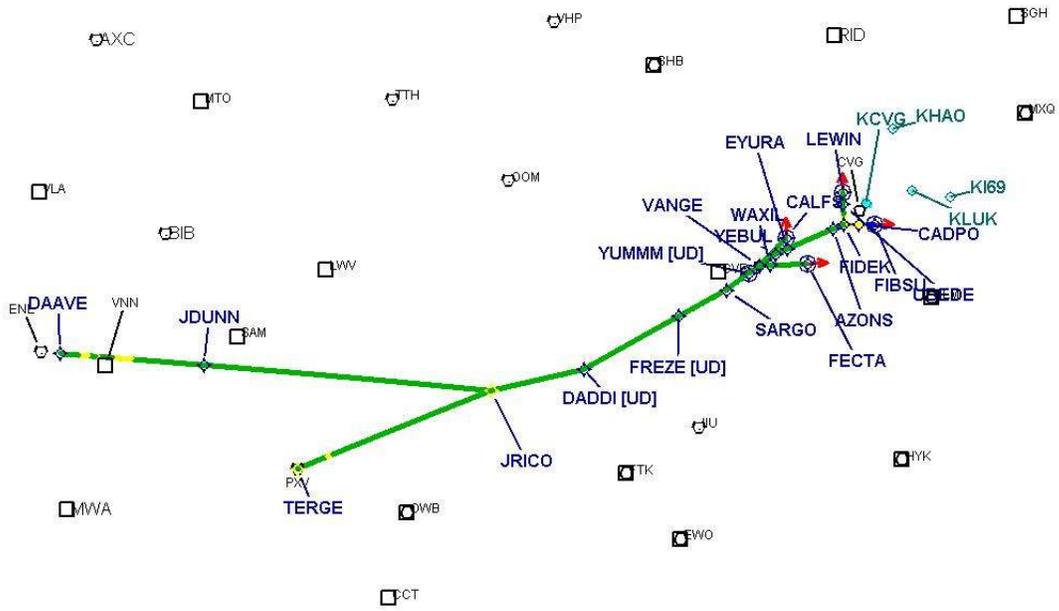
# DME DME Assessment Results for SARGO5 path VANGE\_FECTA

## DME Error



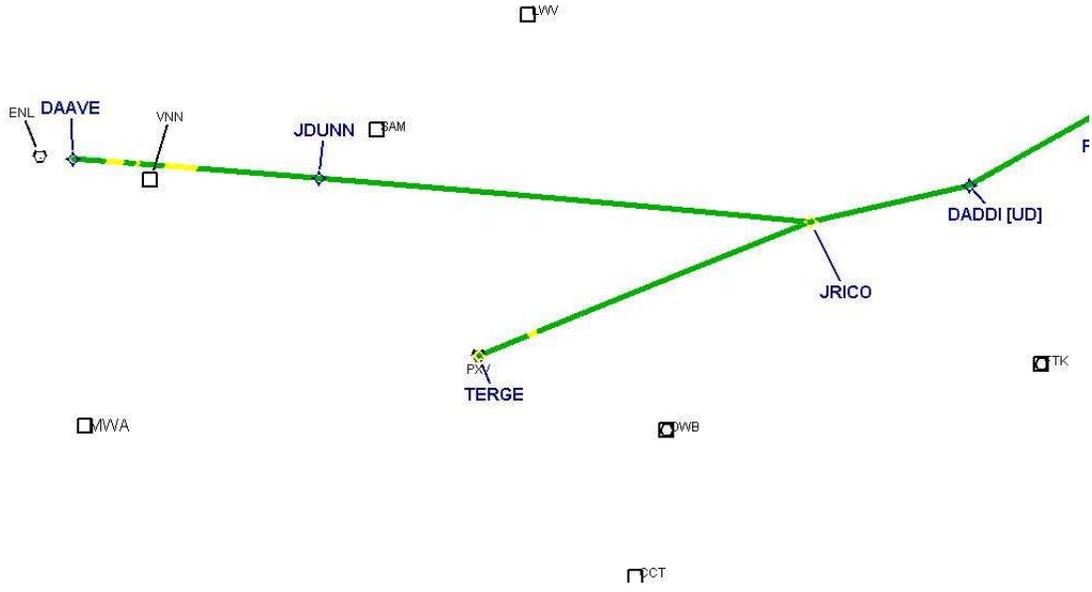
# DME DME Assessment Results for SARGO5 path VANGE\_FECTA

Graphic Depiction 1



# DME DME Assessment Results for SARGO5 path VANGE\_FECTA

Graphic Depiction 2



# DME DME Assessment Results for SARGO5 path VANGE\_FECTA

Graphic Depiction 3

