

DME DME Assessment Results for CAVLR7 path TRSSK_PERKN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\TRSSK_PERKN\KIAD CAVLR7 RNAV STAR TRSSK PERKN 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
TRSSK	WP	N37° 13' 38.4100", W077° 49' 52.2500"	5000	VNAV	280	FLY_BY	TF
PERKN	WP	N37° 39' 11.9300", W077° 49' 28.8100"	5000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAD [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 CAVLR7 path TRSSK_PERKN

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H		NO	Enabled	75.4 %	75.4 %
2	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L		NO	Enabled	57.4 %	57.4 %
3	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H		NO	Enabled	45.3 %	45.3 %
4	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H		NO	Enabled	100 %	100 %
5	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	130	H		NO	Enabled	74.2 %	74.2 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HPW	FAK	LVL	RIC		
12.3	LVL	HPW	RIC	FAK	GVE	
14.7	RIC	FAK	GVE	HPW		
15.1	GVE	RIC	HPW			
19.0	GVE	RIC				
21.3	RIC	FAK	GVE			
23.9	RIC	FAK				

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TRSSK	PERKN	FAK, LVL, GVE, RIC, HPW	

DME DME Assessment Results for CAVLR7 path TRSSK_PERKN

User Data Files

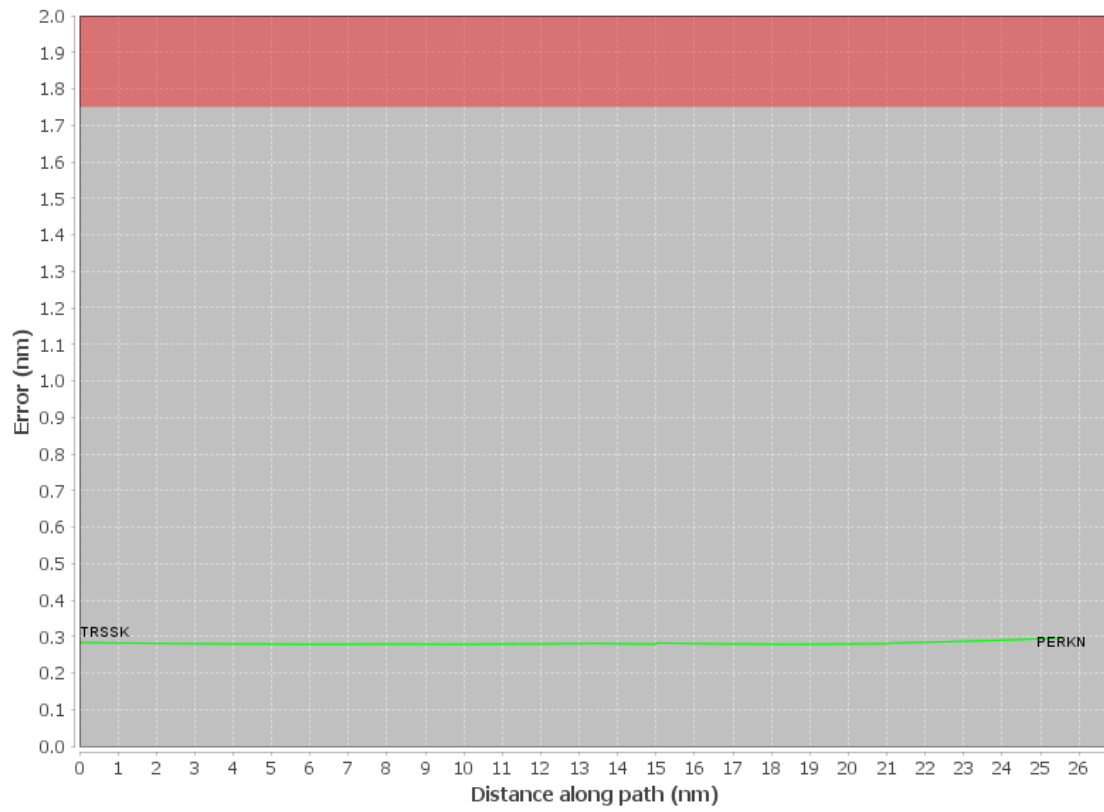
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR_20231208_0941 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

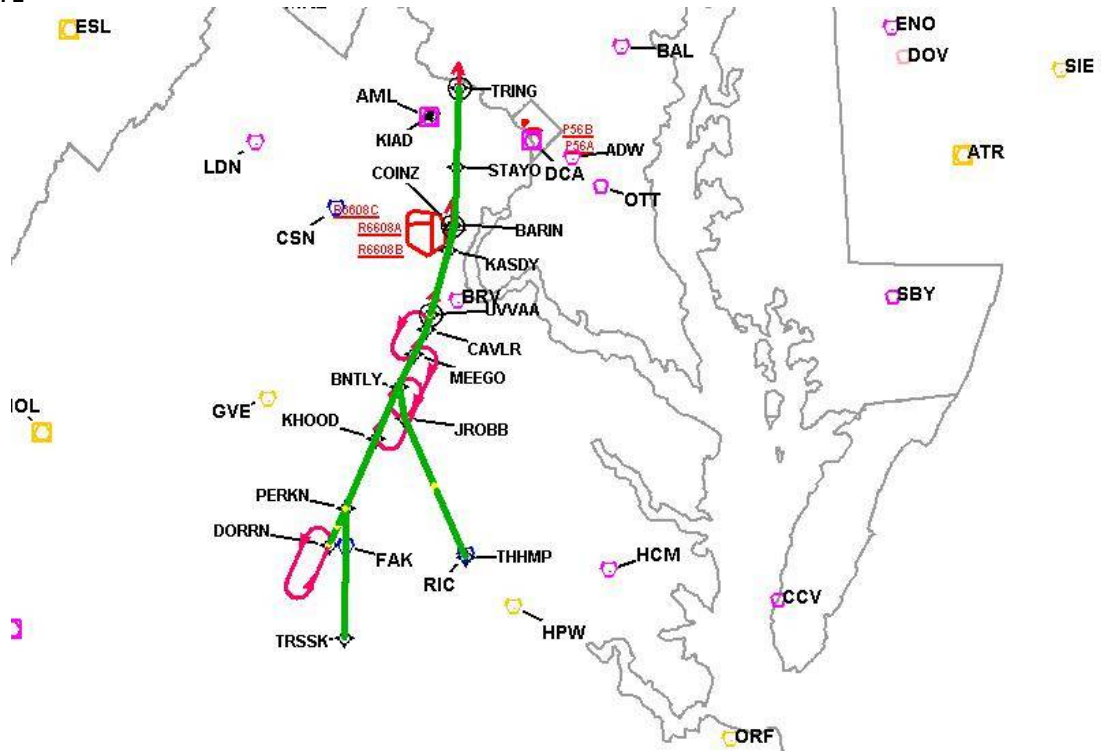
DME DME Assessment Results for CAVLR7 path TRSSK_PERKN

DME Error

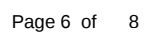


DME DME Assessment Results for CAVLR7 path TRSSK_PERKN

Graphic Depiction 1



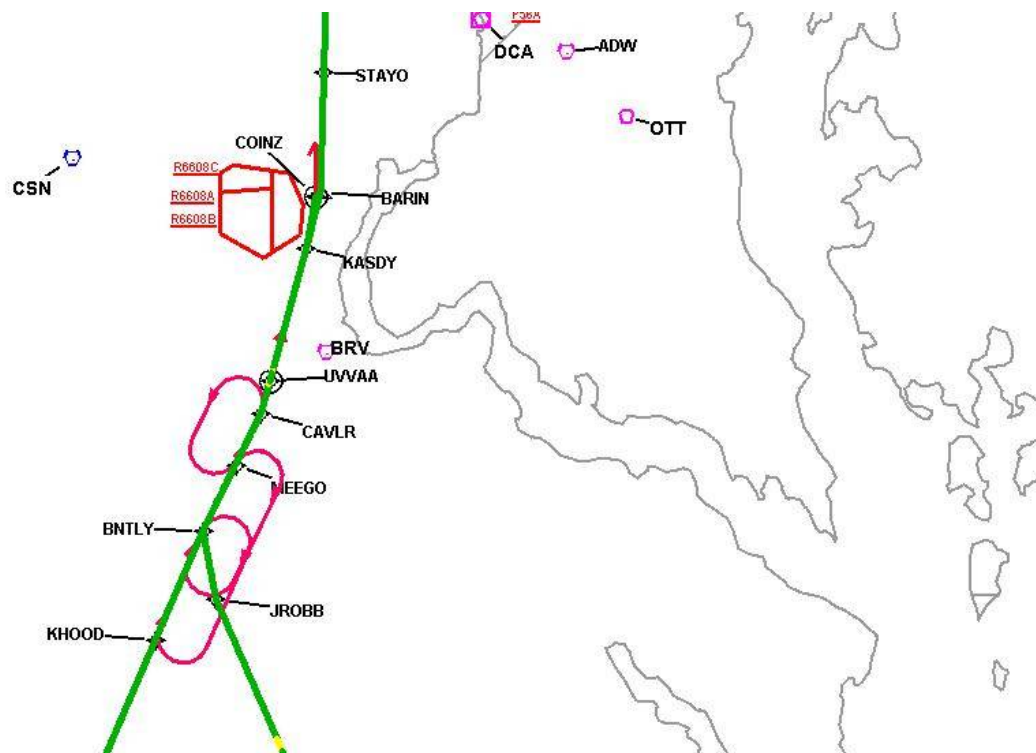
Graphic Depiction 2



DME DME Assessment Results for CAVLR7 path TRSSK_PERKN

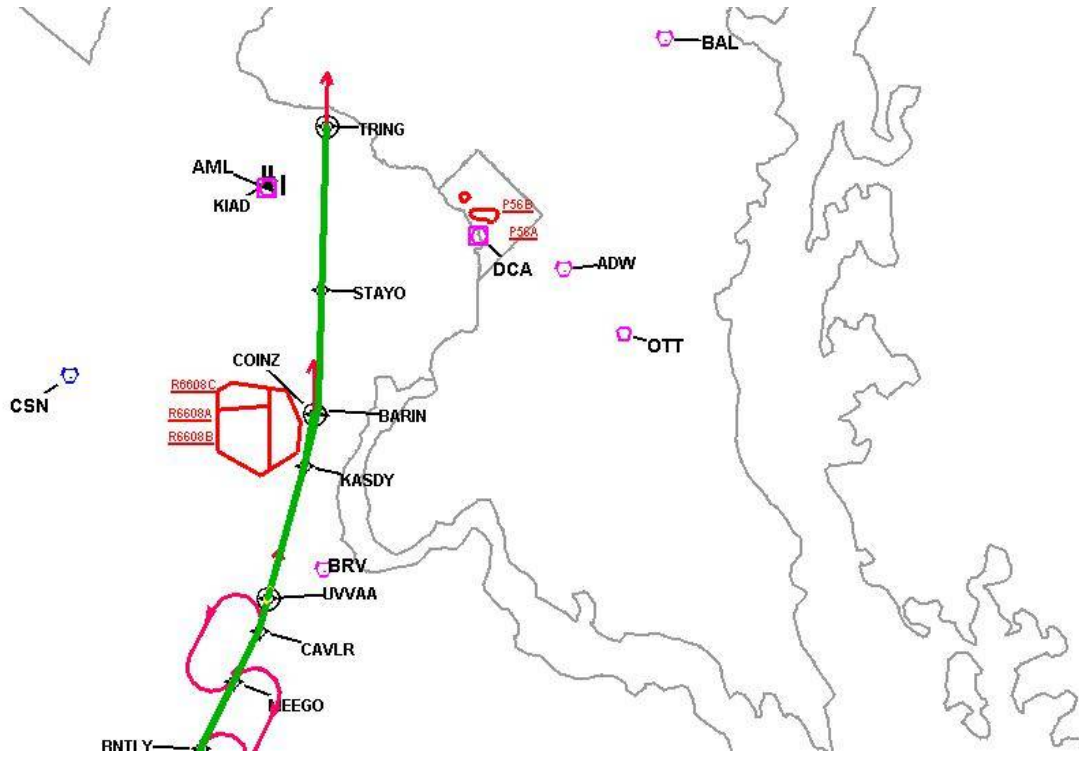
Graphic Depiction 3

2



DME DME Assessment Results for CAVLR7 path TRSSK_PERKN

Graphic Depiction 4



DME DME Assessment Results for CAVLR7 path BARIN_DORRN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\BARIN_DORRN\KIAD CAVLR7 RNAV STAR BARIN DORRN 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
BARIN	WP	N38° 35' 10.9200", W077° 21' 50.0900"	5000	VNAV	210	FLY_BY	TF
KASDY	WP	N38° 29' 57.1700", W077° 23' 30.0100"	5000	VNAV	210	FLY_BY	TF
CAVLR	WP	N38° 14' 21.1400", W077° 29' 00.9000"	5000	VNAV	250	FLY_BY	TF
MEEGO	WP	N38° 09' 30.8100", W077° 32' 06.5600"	5000	VNAV	250	FLY_BY	TF
BNTLY	WP	N38° 03' 14.9900", W077° 36' 05.1600"	5000	VNAV	280	FLY_BY	TF
KHOOD	WP	N37° 52' 55.2400", W077° 41' 51.5700"	5000	VNAV	280	FLY_BY	TF
PERKN	WP	N37° 39' 11.9300", W077° 49' 28.8100"	5000	VNAV	280	FLY_BY	TF
DORRN	WP	N37° 31' 54.0400", W077° 53' 37.6200"	5000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAD [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 CAVLR7 path BARIN_DORRN

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	32.6 %	27.4 %
2	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H		NO	Enabled	48.8 %	53.8 %
3	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	30.9 %	26.1 %
4	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L		NO	Enabled	0.9 %	1 %
5	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	69.6 %	68.8 %
6	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H		NO	Enabled	64.6 %	68.8 %
7	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H		NO	Enabled	47.3 %	52.9 %
8	OTT	N38° 42' 21.1352", W076° 44' 41.0854"	10.0 W	40	L		NO	Enabled	20.6 %	17.4 %
9	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	130	H		NO	Enabled	1.6 %	1.8 %
10	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	54.5 %	49 %

DME DME Assessment Results for CAVLR7 path BARIN_DORRN

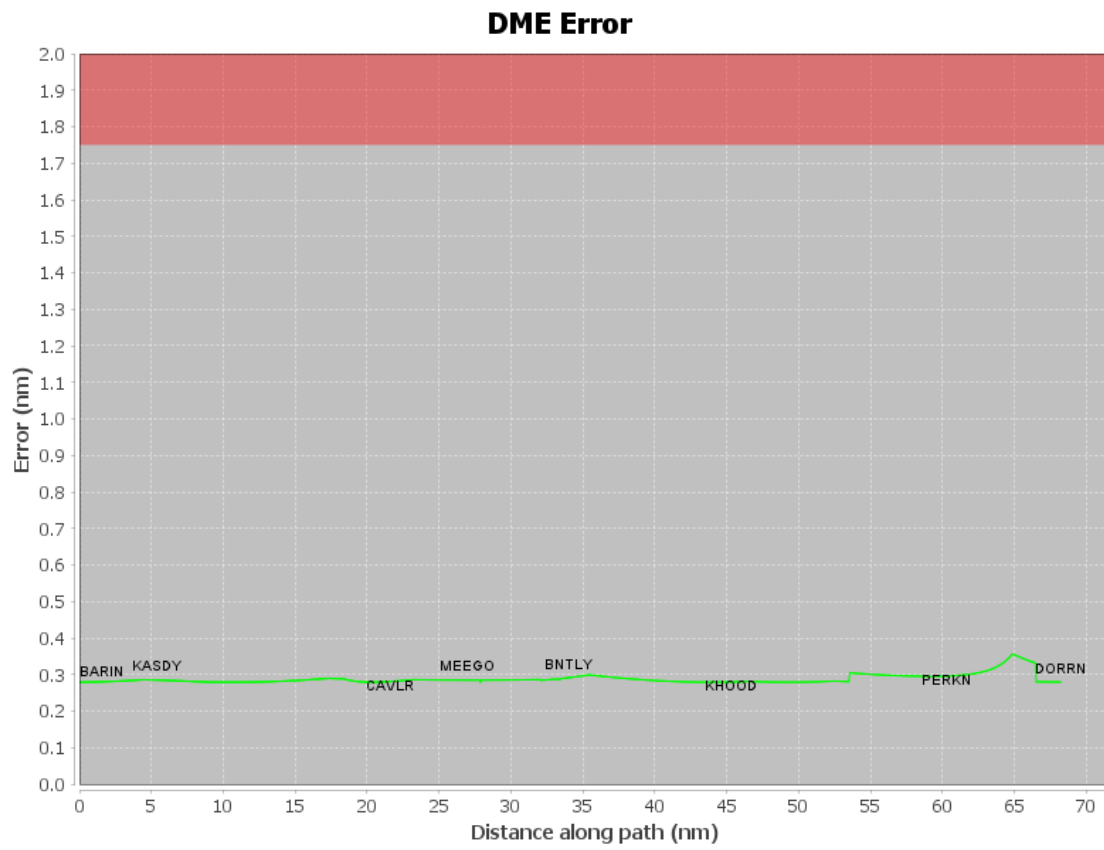
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OTT	AML	BRV	CSN	DCA	
11.4	DCA	CSN	OTT	AML		
11.9	DCA	CSN	AML			
17.3	DCA	CSN	BRV	AML		
17.5	GVE	CSN	DCA	BRV	AML	
17.6	GVE	CSN	BRV	AML		
18.5	BRV	CSN	GVE	DCA	AML	
18.8	BRV	CSN	GVE			
27.9	GVE	CSN	BRV	FAK		
32.1	GVE	RIC	CSN	FAK	BRV	
33.5	GVE	RIC	FAK	BRV		
53.0	RIC	FAK	GVE			
56.5	RIC	FAK				
60.2	RIC	FAK	HPW	GVE		
60.6	RIC	FAK	GVE			
63.7	RIC	FAK	HPW	GVE		
64.4	GVE	RIC				
67.5	LVL	RIC	GVE			
67.8	LVL	RIC	FAK	HPW	GVE	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BARIN	KASDY	AML, DCA, BRV, OTT, CSN	
KASDY	CAVLR	AML, DCA, BRV, GVE, OTT, CSN	
CAVLR	MEEGO	BRV, GVE, CSN	
MEEGO	BNTLY	FAK, BRV, GVE, RIC, CSN	
BNTLY	KHOOD	FAK, BRV, GVE, RIC	
KHOOD	PERKN	FAK, BRV, GVE, RIC, HPW	
PERKN	DORRN	FAK, LVL, GVE, RIC, HPW	

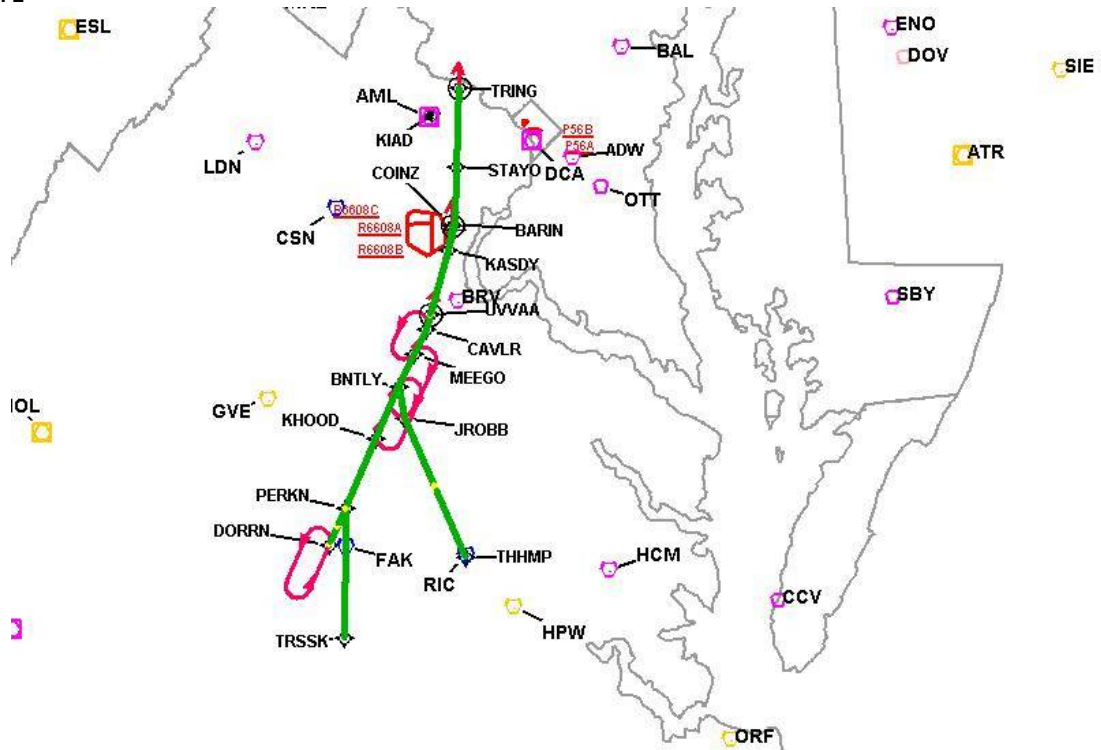
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR_20231208_0941 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

DME DME Assessment Results for CAVLR7 path BARIN_DORRN



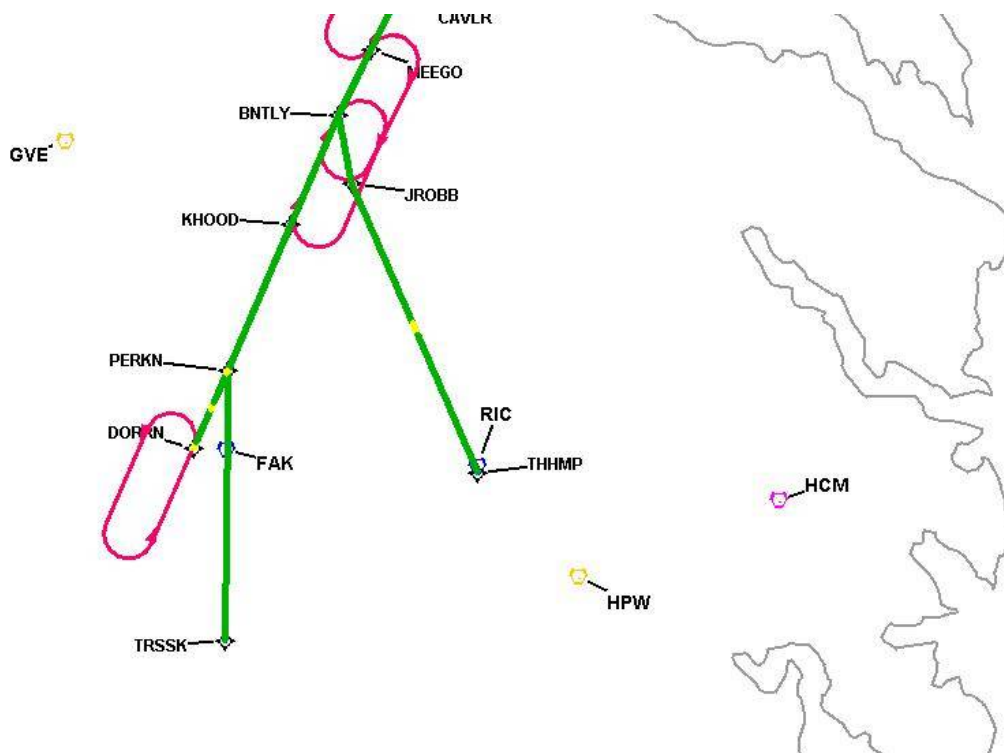
DME DME Assessment Results for CAVLR7 path BARIN_DORRN

Graphic Depiction 1



Graphic Depiction 2

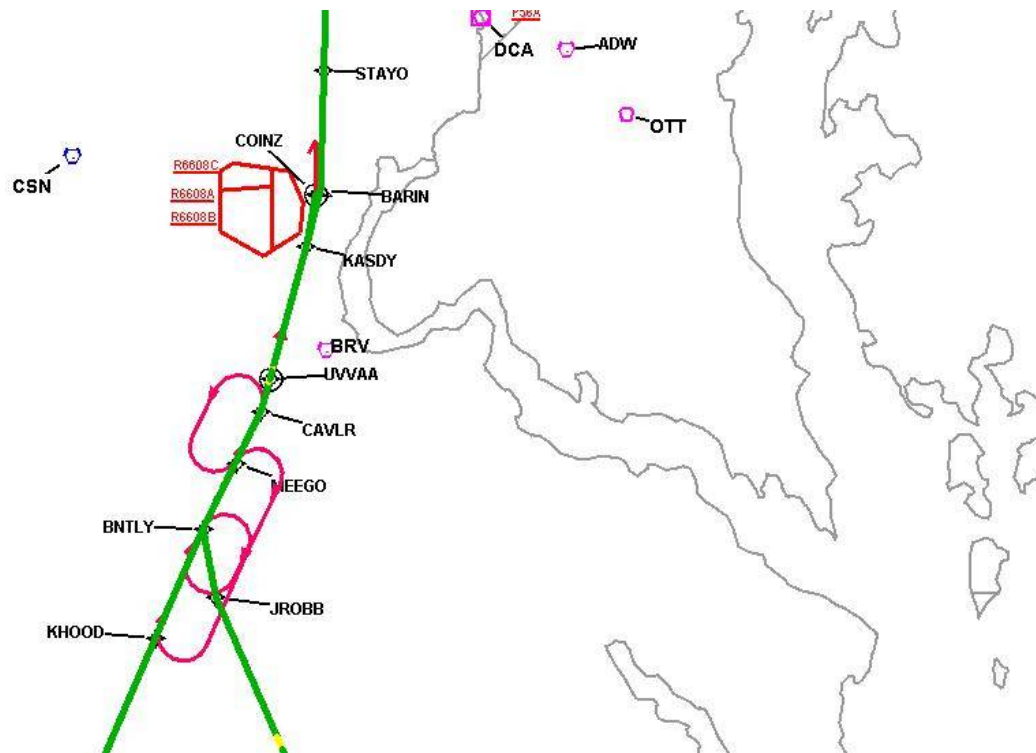
DME DME Assessment Results for CAVLR7 path BARIN_DORRN



DME DME Assessment Results for CAVLR7 path BARIN_DORRN

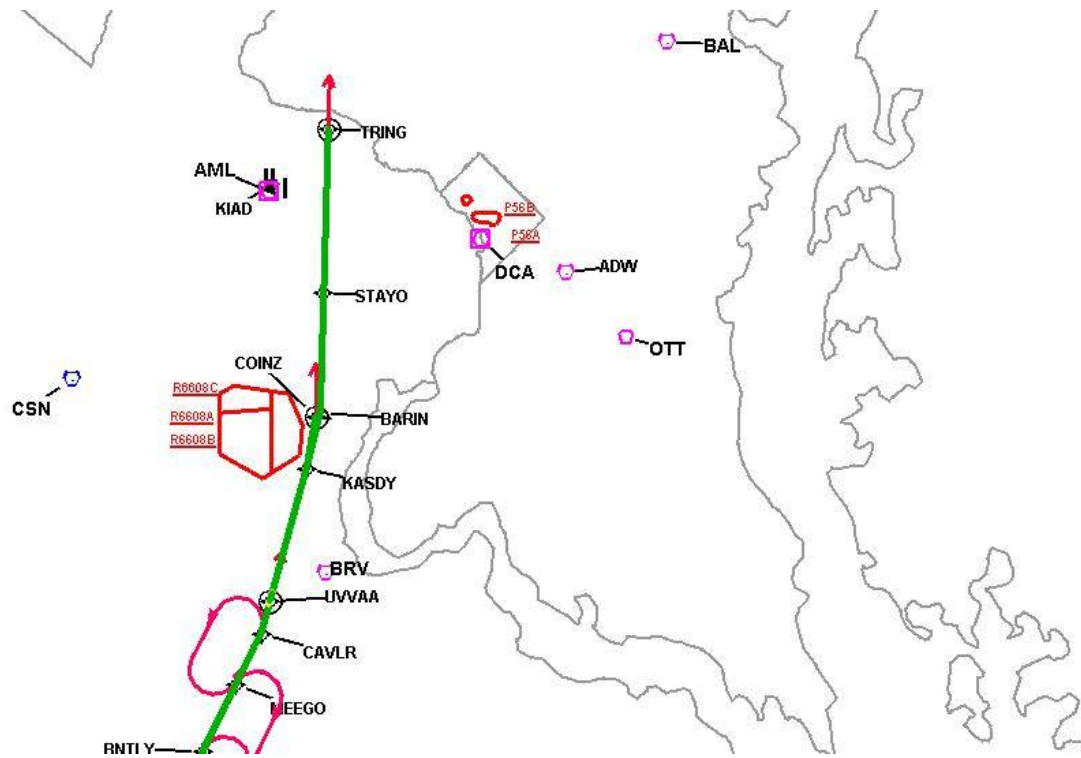
Graphic Depiction 3

2



DME DME Assessment Results for CAVLR7 path BARIN_DORRN

Graphic Depiction 4



DME DME Assessment Results for CAVLR7 path BARIN_THHMP

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\BARIN_THHMP\KIAD CAVLR7 RNAV STAR BARIN THHMP 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
BARIN	WP	N38° 35' 10.9200", W077° 21' 50.0900"	5000	VNAV	210	FLY_BY	TF
KASDY	WP	N38° 29' 57.1700", W077° 23' 30.0100"	5000	VNAV	210	FLY_BY	TF
CAVLR	WP	N38° 14' 21.1400", W077° 29' 00.9000"	5000	VNAV	250	FLY_BY	TF
MEEGO	WP	N38° 09' 30.8100", W077° 32' 06.5600"	5000	VNAV	250	FLY_BY	TF
BNTLY	WP	N38° 03' 14.9900", W077° 36' 05.1600"	5000	VNAV	280	FLY_BY	TF
JROBB	WP	N37° 56' 52.7400", W077° 34' 30.9200"	5000	VNAV	280	FLY_BY	TF
THHMP	WP	N37° 29' 29.4700", W077° 19' 08.7500"	5000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KIAD [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 CAVLR7 path BARIN_THHMP

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	31.7 %	26.6 %
2	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H		NO	Enabled	54.7 %	60.3 %
3	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	30.1 %	25.3 %
4	HCM	N37° 26' 55.1756", W076° 42' 40.8741"	7.0 W	40	L		NO	Enabled	16.3 %	18.2 %
5	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L		NO	Enabled	2.5 %	2.8 %
6	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	75.9 %	75.8 %
7	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H		NO	Enabled	52.2 %	54.8 %
8	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H		NO	Enabled	41.6 %	46.4 %
9	OTT	N38° 42' 21.1352", W076° 44' 41.0854"	10.0 W	40	L		NO	Enabled	20 %	16.8 %
10	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	130	H		NO	Enabled	33.1 %	37 %
11	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	55.4 %	50.1 %

DME DME Assessment Results for CAVLR7 path BARIN_THHMP

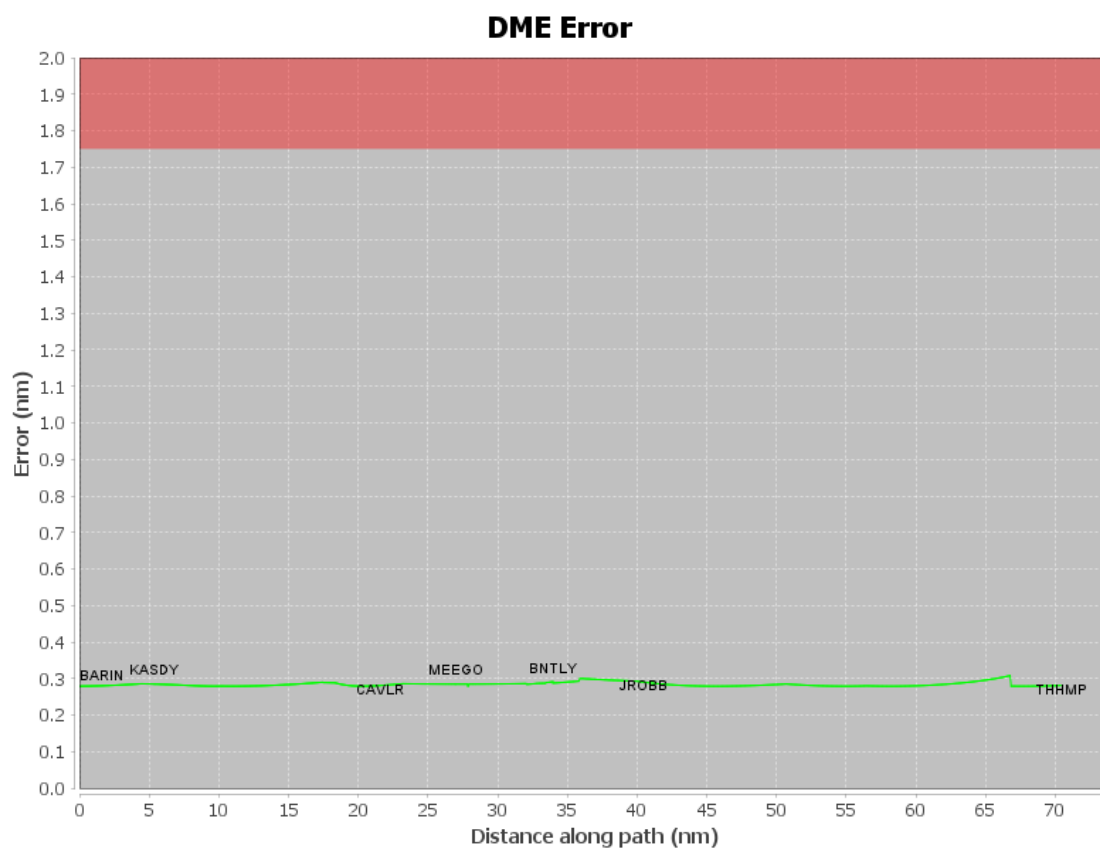
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OTT	AML	BRV	CSN	DCA	
11.4	DCA	CSN	OTT	AML		
11.9	DCA	CSN	AML			
17.3	DCA	CSN	BRV	AML		
17.5	GVE	CSN	DCA	BRV	AML	
17.6	GVE	CSN	BRV	AML		
18.5	BRV	CSN	GVE	DCA	AML	
18.8	BRV	CSN	GVE			
27.9	GVE	CSN	BRV	FAK		
32.1	GVE	RIC	CSN	FAK	BRV	
33.5	GVE	RIC	FAK	BRV		
34.1	GVE	CSN	RIC	FAK	BRV	
35.9	GVE	RIC	FAK	BRV		
44.3	BRV	GVE	FAK	HPW	RIC	
56.1	HPW	FAK	RIC			
57.4	RIC	FAK	HPW	HCM		
61.2	RIC	FAK	HPW			
62.5	RIC	FAK	HPW	HCM		
64.8	HPW	FAK	HCM			
67.1	BRV	FAK	HCM	HPW		
68.5	BRV	FAK	HCM	LVL	HPW	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BARIN	KASDY	AML, DCA, BRV, OTT, CSN	
KASDY	CAVLR	AML, DCA, BRV, GVE, OTT, CSN	
CAVLR	MEEGO	BRV, GVE, CSN	
MEEGO	BNTLY	FAK, BRV, GVE, RIC, CSN	
BNTLY	JROBB	FAK, BRV, GVE, RIC, CSN	
JROBB	THHMP	FAK, HCM, LVL, BRV, GVE, RIC, HPW	

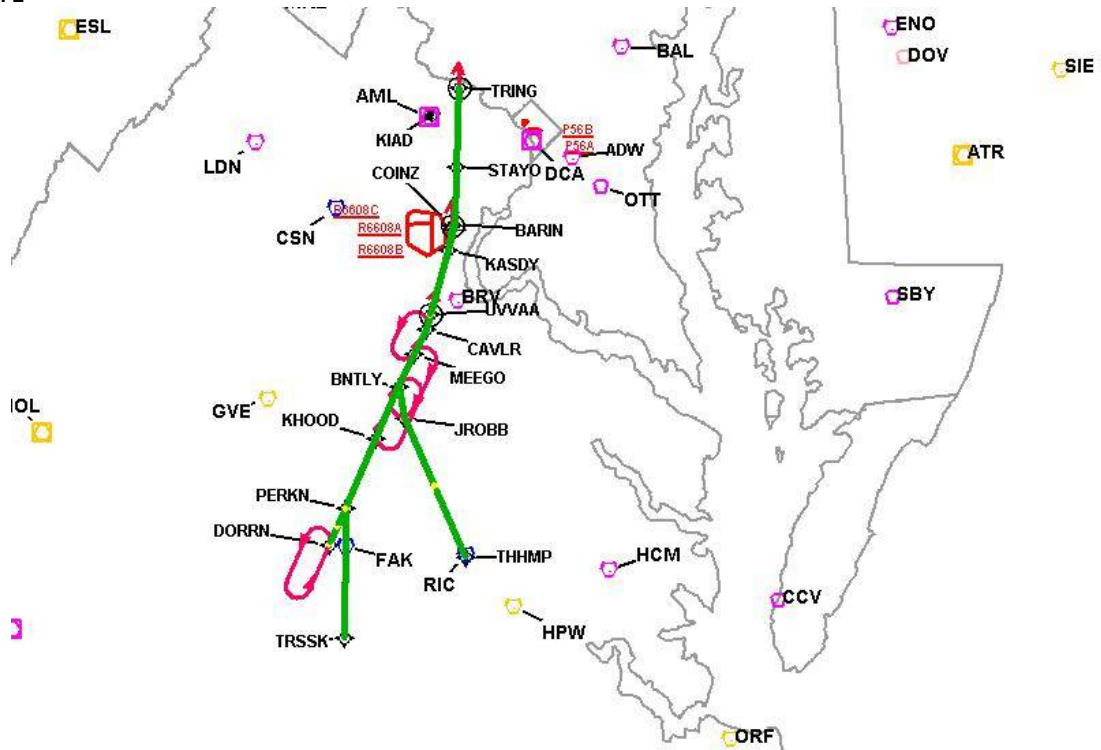
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR_20231208_0941 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

DME DME Assessment Results for CAVLR7 path BARIN_THHMP



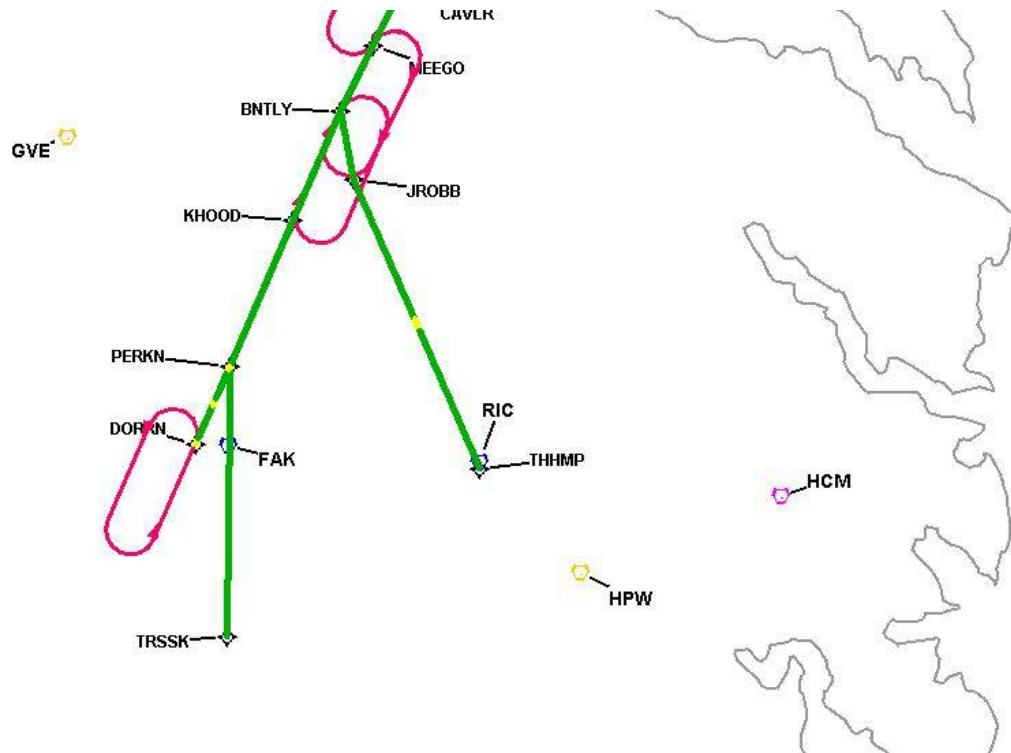
DME DME Assessment Results for CAVLR7 path BARIN_THHMP

Graphic Depiction 1

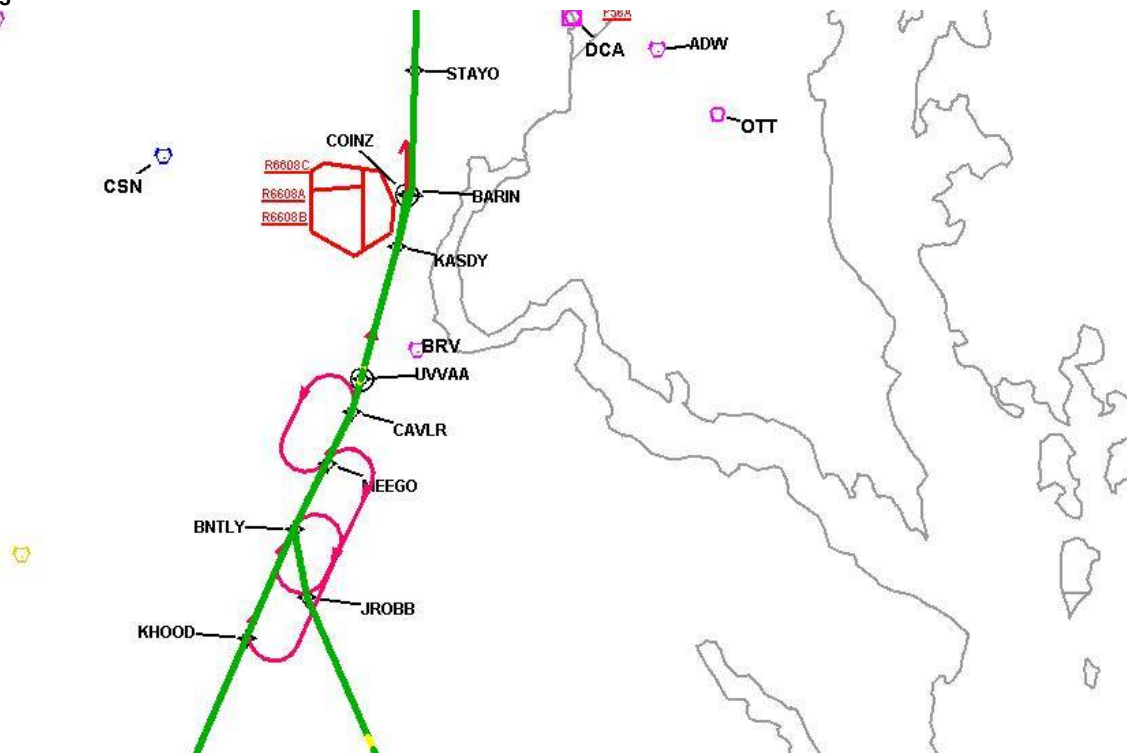


Graphic Depiction 2

DME DME Assessment Results for CAVLR7 path BARIN_THHMP

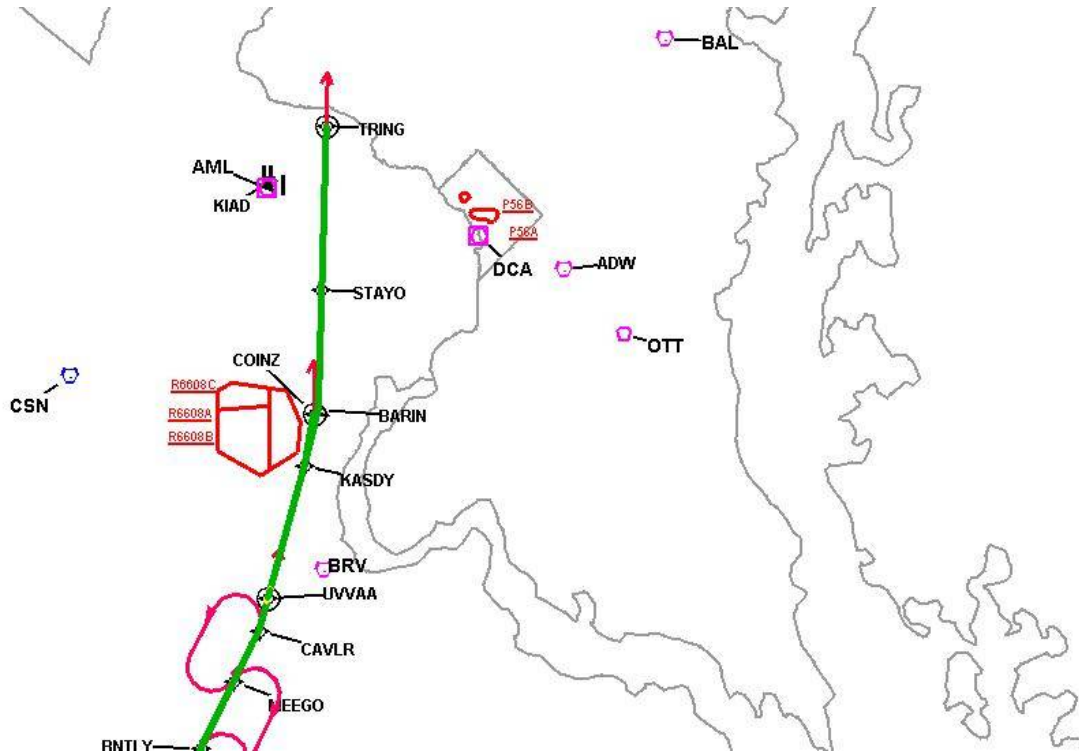


DME DME Assessment Results for CAVLR7 path BARIN_THHMP



DME DME Assessment Results for CAVLR7 path BARIN_THHMP

Graphic Depiction 4



DME DME Assessment Results for CAVLR7 path BARIN_TRSSK

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\BARIN TRSSK\KIAD CAVLR7 RNAV STAR BARIN TRSSK 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
BARIN	WP	N38° 35' 10.9200", W077° 21' 50.0900"	5000	VNAV	210	FLY_BY	TF
KASDY	WP	N38° 29' 57.1700", W077° 23' 30.0100"	5000	VNAV	210	FLY_BY	TF
CAVLR	WP	N38° 14' 21.1400", W077° 29' 00.9000"	5000	VNAV	250	FLY_BY	TF
MEEGO	WP	N38° 09' 30.8100", W077° 32' 06.5600"	5000	VNAV	250	FLY_BY	TF
BNTLY	WP	N38° 03' 14.9900", W077° 36' 05.1600"	5000	VNAV	280	FLY_BY	TF
KHOOD	WP	N37° 52' 55.2400", W077° 41' 51.5700"	5000	VNAV	280	FLY_BY	TF
PERKN	WP	N37° 39' 11.9300", W077° 49' 28.8100"	5000	VNAV	280	FLY_BY	TF
TRSSK	WP	N37° 13' 38.4100", W077° 49' 52.2500"	5000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAD [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 CAVLR7 path BARIN_TRSSK

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	26.5 %	21.8 %
2	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H		NO	Enabled	55.4 %	60.1 %
3	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	25.2 %	20.7 %
4	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L		NO	Enabled	15.6 %	17.1 %
5	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	56.6 %	54.7 %
6	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H		NO	Enabled	56.4 %	58.9 %
7	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H		NO	Enabled	57.1 %	62.6 %
8	OTT	N38° 42' 21.1352", W076° 44' 41.0854"	10.0 W	40	L		NO	Enabled	16.8 %	13.8 %
9	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	130	H		NO	Enabled	20.1 %	22.1 %
10	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	44.4 %	39 %

DME DME Assessment Results for CAVLR7 path BARIN_TRSSK

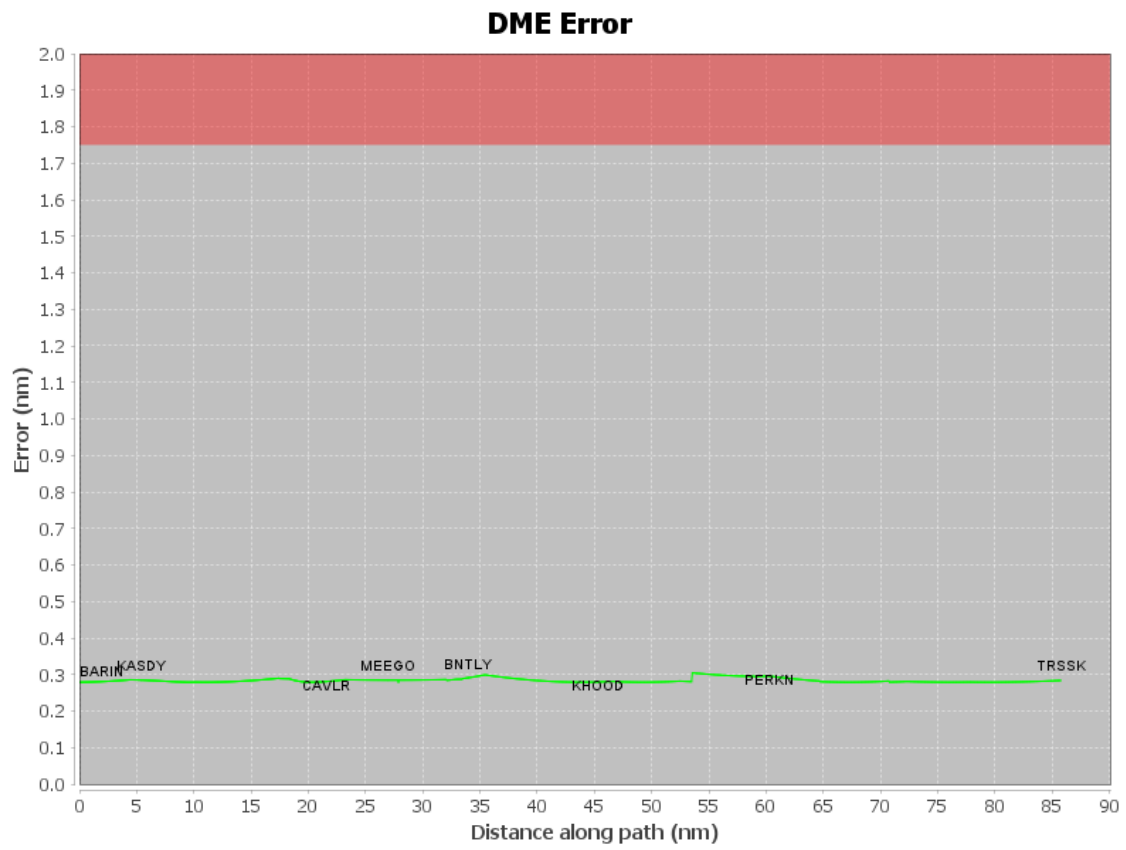
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OTT	AML	BRV	CSN	DCA	
11.4	DCA	CSN	OTT	AML		
11.9	DCA	CSN	AML			
17.3	DCA	CSN	BRV	AML		
17.5	GVE	CSN	DCA	BRV	AML	
17.6	GVE	CSN	BRV	AML		
18.5	BRV	CSN	GVE	DCA	AML	
18.8	BRV	CSN	GVE			
27.9	GVE	CSN	BRV	FAK		
32.1	GVE	RIC	CSN	FAK	BRV	
33.5	GVE	RIC	FAK	BRV		
53.0	RIC	FAK	GVE			
56.5	RIC	FAK				
60.2	RIC	FAK	HPW	GVE		
60.3	RIC	FAK				
61.9	RIC	FAK	GVE			
64.6	GVE	RIC				
66.8	GVE	RIC	HPW			
70.8	RIC	FAK	GVE	HPW		
71.1	RIC	FAK	LVL	HPW	GVE	
73.6	LVL	HPW	RIC	FAK		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BARIN	KASDY	AML, DCA, BRV, OTT, CSN	
KASDY	CAVLR	AML, DCA, BRV, GVE, OTT, CSN	
CAVLR	MEEGO	BRV, GVE, CSN	
MEEGO	BNTLY	FAK, BRV, GVE, RIC, CSN	
BNTLY	KHOOD	FAK, BRV, GVE, RIC	
KHOOD	PERKN	FAK, BRV, GVE, RIC, HPW	
PERKN	TRSSK	FAK, LVL, GVE, RIC, HPW	

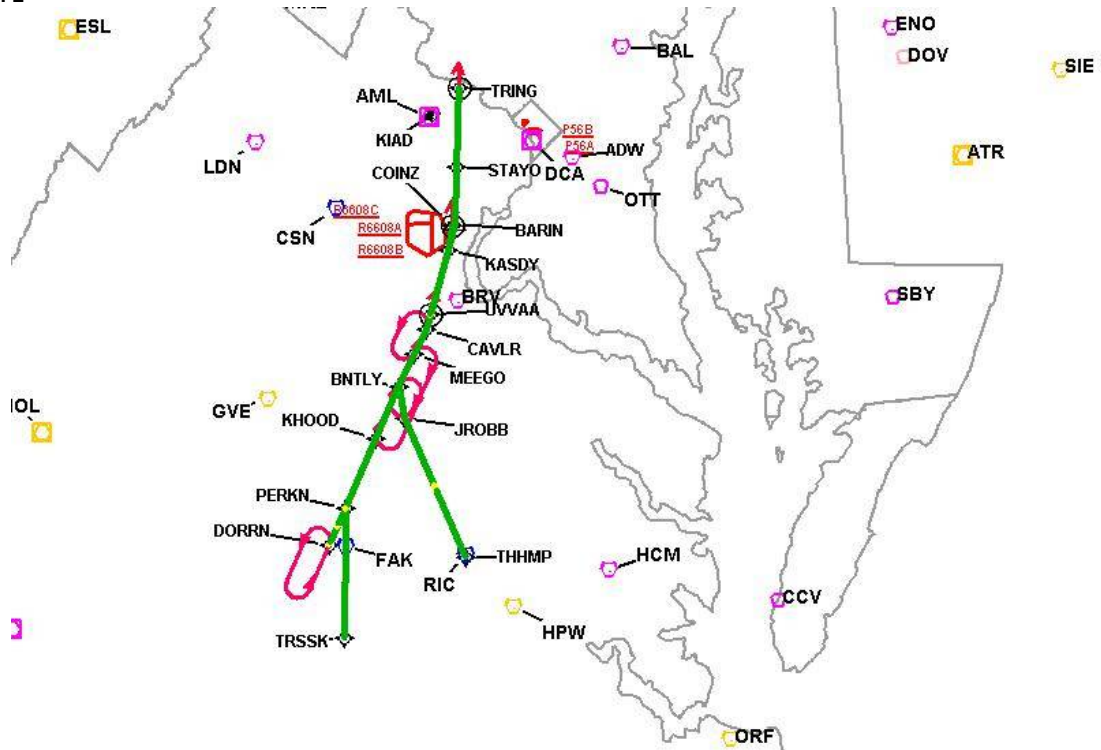
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR_20231208_0941 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

DME DME Assessment Results for CAVLR7 path BARIN_TRSSK



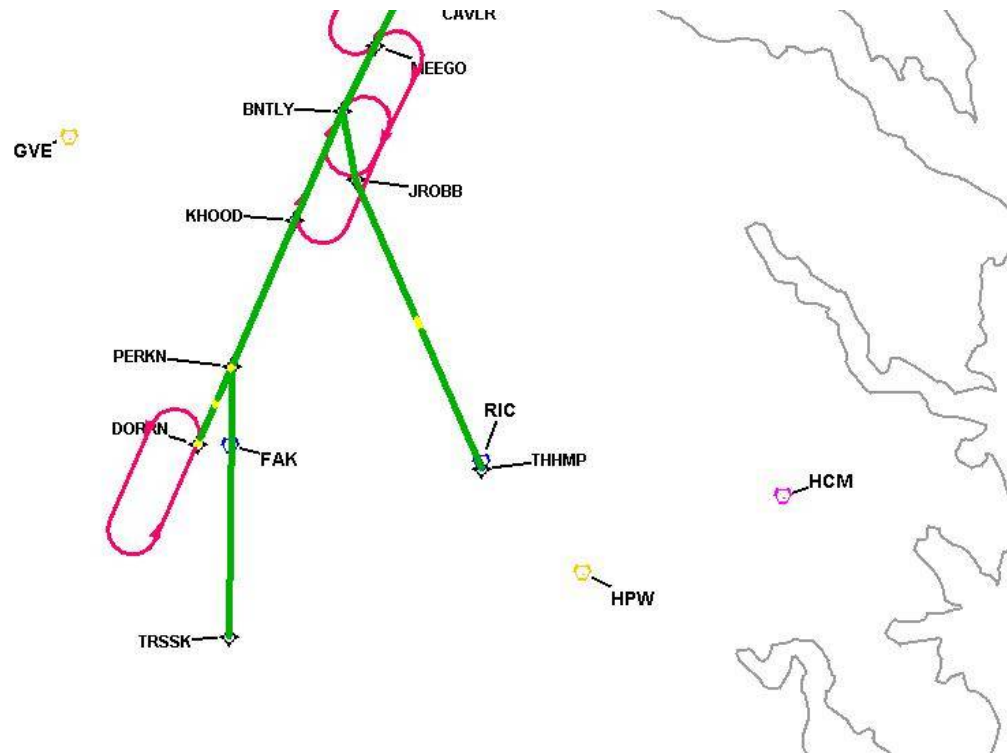
DME DME Assessment Results for CAVLR7 path BARIN_TRSSK

Graphic Depiction 1

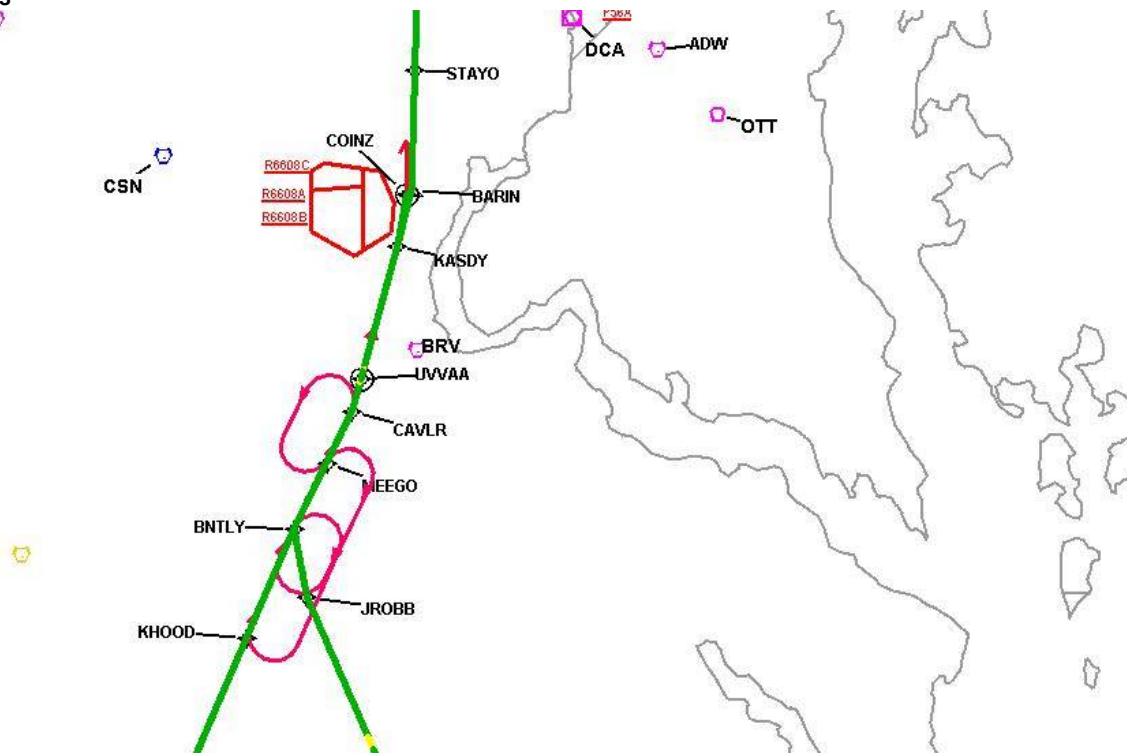


Graphic Depiction 2

DME DME Assessment Results for CAVLR7 path BARIN_TRSSK

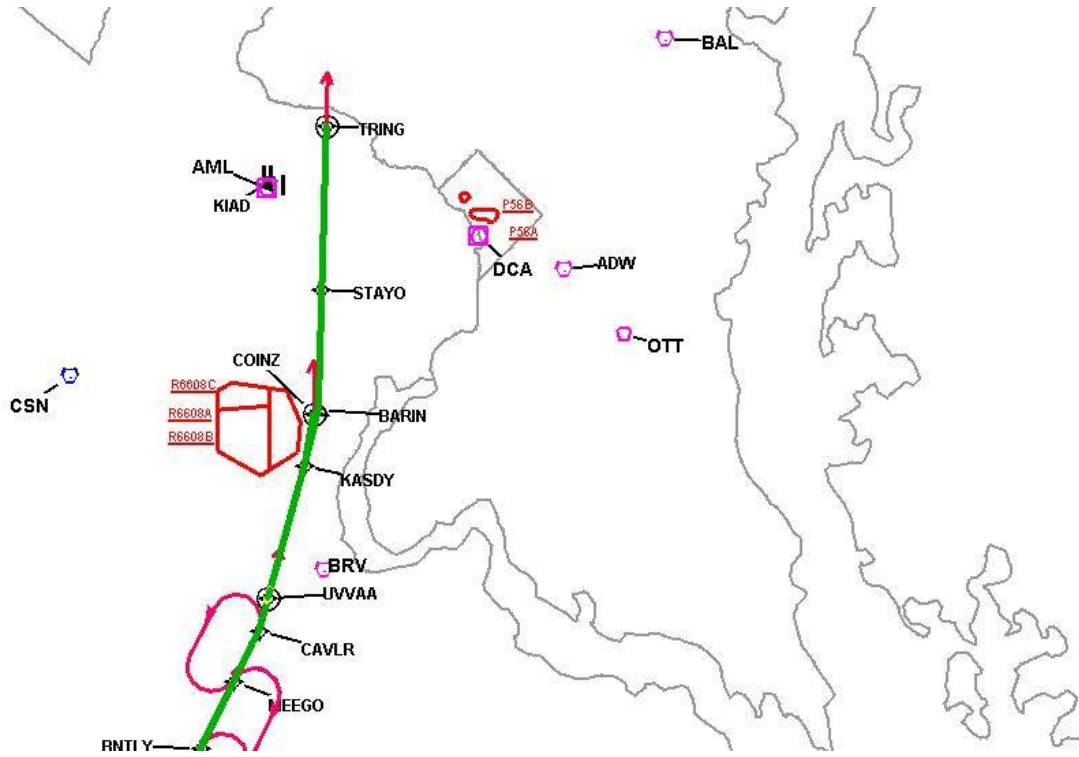


DME DME Assessment Results for CAVLR7 path BARIN_TRSSK



DME DME Assessment Results for CAVLR7 path BARIN_TRSSK

Graphic Depiction 4



DME DME Assessment Results for CAVLR7 path CAVLR_UVVAA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\CAVLR_UVVAA\KIAD CAVLR7 RNAV STAR CAVLR_UVVAA 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
CAVLR	WP	N38° 14' 21.1400", W077° 29' 00.9000"	5000	VNAV	250	FLY_BY	TF
UVVAA	WP	N38° 17' 26.3300", W077° 27' 55.6300"	5000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAD [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 CAVLR7 path CAVLR_UVVAA

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	10.6 %	10.6 %
2	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	6.4 %	6.4 %
3	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	100 %	100 %
4	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H		NO	Enabled	100 %	100 %
5	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BRV	CSN	GVE			
2.9	BRV	CSN	GVE	DCA	AML	
3.1	BRV	CSN	GVE	AML		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
CAVLR	UVVAA	AML, DCA, BRV, GVE, CSN	

DME DME Assessment Results for CAVLR7 path CAVLR_UVVAA

User Data Files

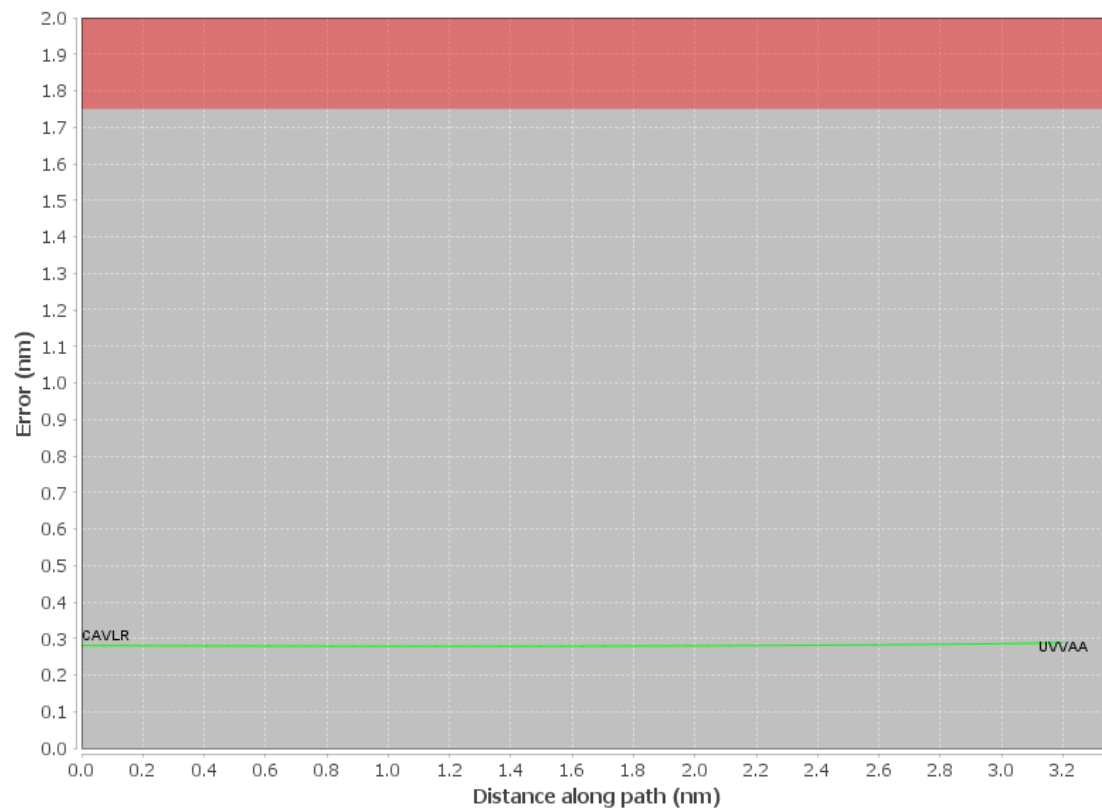
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR_20231208_0941 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

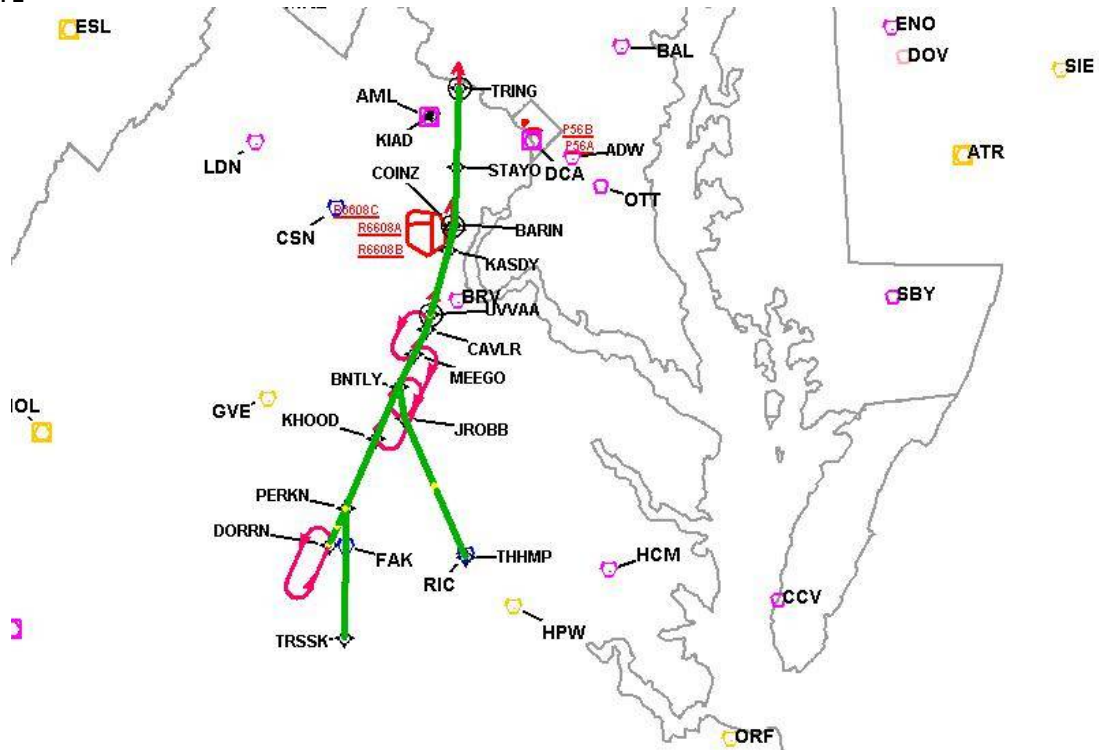
DME DME Assessment Results for CAVLR7 path CAVLR_UVVAA

DME Error

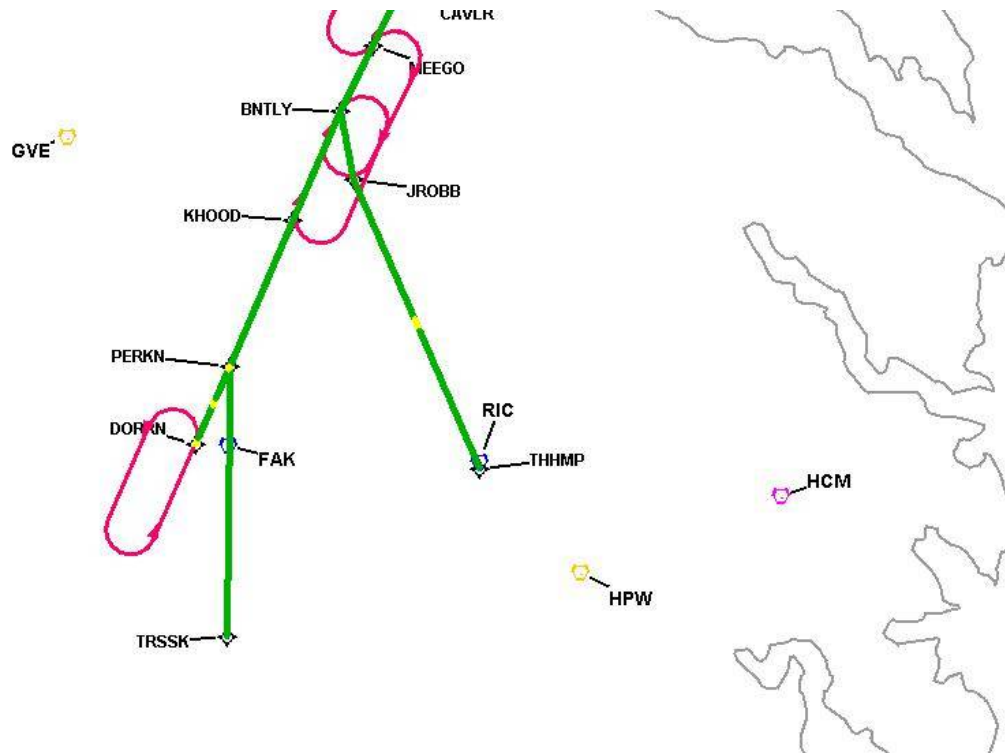


DME DME Assessment Results for CAVLR7 path CAVLR_UVVAA

Graphic Depiction 1



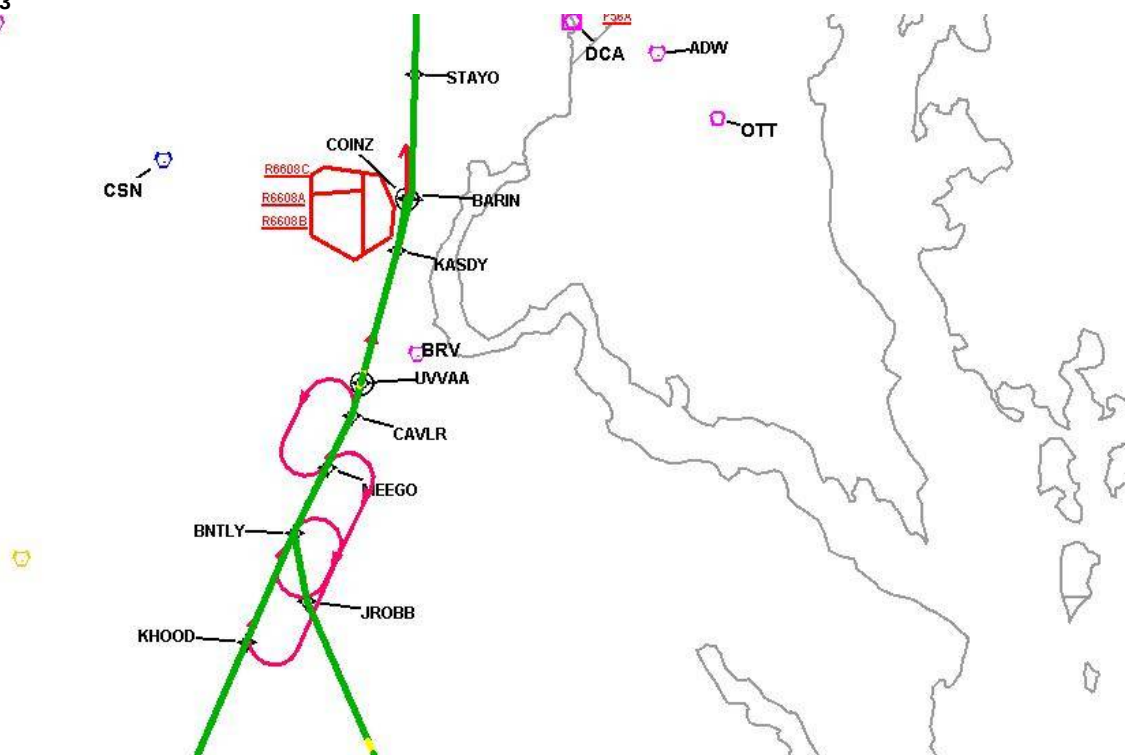
Graphic Depiction 2



DME DME Assessment Results for CAVLR7 path CAVLR_UVVAA

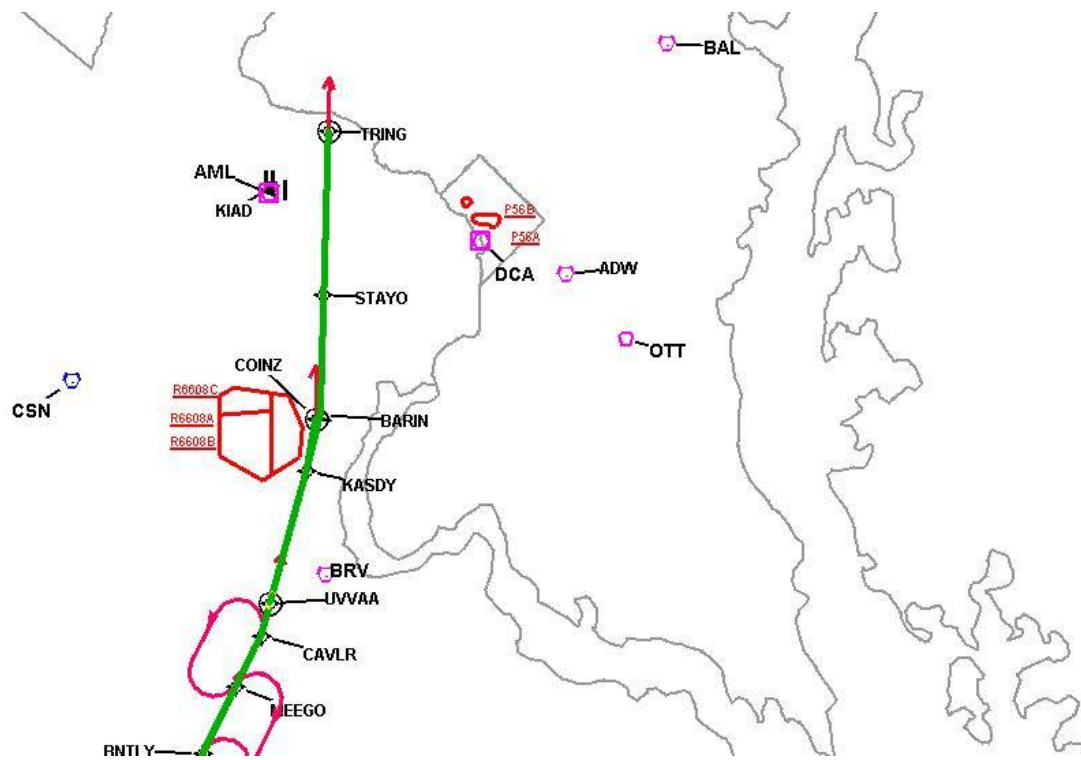
Graphic Depiction 3

2



DME DME Assessment Results for CAVLR7 path CAVLR_UVVAA

Graphic Depiction 4



DME DME Assessment Results for CAVLR7 path DORRN_TRING

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\DORRN TRING\KIAD CAVLR7 RNAV STAR DORRN TRING 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
DORRN	WP	N37° 31' 54.0400", W077° 53' 37.6200"	5000	VNAV	280	FLY_BY	TF
PERKN	WP	N37° 39' 11.9300", W077° 49' 28.8100"	5000	VNAV	280	FLY_BY	TF
KHOOD	WP	N37° 52' 55.2400", W077° 41' 51.5700"	5000	VNAV	280	FLY_BY	TF
BNTLY	WP	N38° 03' 14.9900", W077° 36' 05.1600"	5000	VNAV	280	FLY_BY	TF
MEEGO	WP	N38° 09' 30.8100", W077° 32' 06.5600"	5000	VNAV	250	FLY_BY	TF
CAVLR	WP	N38° 14' 21.1400", W077° 29' 00.9000"	5000	VNAV	250	FLY_BY	TF
KASDY	WP	N38° 29' 57.1700", W077° 23' 30.0100"	5000	VNAV	210	FLY_BY	TF
BARIN	WP	N38° 35' 10.9200", W077° 21' 50.0900"	5000	VNAV	210	FLY_BY	TF
STAYO	WP	N38° 46' 33.6000", W077° 21' 25.2000"	4000	VNAV	210	FLY_BY	TF
TRING	WP	N39° 02' 00.0000", W077° 20' 51.6000"	4000	VNAV	210	FLY_OVER	TF

DME DME Assessment Results for CAVLR7 path DORRN_TRING

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KIAD [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	
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:	Enabled
Disabled DMEs:	None

DME DME Assessment Results for CAVLR7 path DORRN_TRING

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	46.8 %	42.3 %
2	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H		NO	Enabled	7.7 %	6.6 %
3	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L		NO	Enabled	0.6 %	0.7 %
4	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	48.5 %	43.6 %
5	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	77 %	75.3 %
6	FDK	N39° 24' 44.0499", W077° 22' 30.4179"	8.0 W	40	L		NO	Enabled	8.9 %	7.6 %
7	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H		NO	Enabled	33.3 %	38 %
8	BAL	N39° 10' 15.8283", W076° 39' 40.5225"	11.0 W	40	L		NO	Enabled	10.7 %	9.2 %
9	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	130	H		NO	Enabled	1.1 %	1.3 %
10	OTT	N38° 42' 21.1352", W076° 44' 41.0854"	10.0 W	40	L		NO	Enabled	46.3 %	40.7 %
11	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H		NO	Enabled	33.8 %	38.6 %
12	ADW	N38° 48' 25.9900", W076° 51' 58.5200"	10.0 W	40	L		NO	Enabled	16.6 %	14.2 %
13	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H		NO	Enabled	44.3 %	49.3 %
14	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L		NO	Enabled	9.5 %	8.2 %
15	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	67.9 %	63.4 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	LVL	FAK	RIC	HPW	GVE	
0.5	LVL	RIC	GVE			
0.8	GVE	RIC				
4.0	RIC	FAK	GVE	HPW		
4.6	RIC	FAK	GVE			
7.7	RIC	FAK	HPW	GVE		
8.1	RIC	FAK				
11.8	RIC	FAK	GVE			
15.3	BRV	RIC	GVE	FAK		
34.8	GVE	CSN	RIC	FAK	BRV	
36.2	GVE	CSN	FAK	BRV		
40.3	GVE	CSN	BRV			
49.5	BRV	CSN	GVE	DCA	AML	
49.8	BRV	CSN	GVE	AML		
50.7	GVE	CSN	DCA	BRV	AML	
50.8	DCA	CSN	BRV	AML		
51.0	DCA	CSN	AML			
56.4	DCA	CSN	OTT	AML		
57.0	DCA	CSN	BRV	OTT	AML	
69.4	OTT	AML	BRV	CSN		
72.5	BRV	CSN	OTT	AML	DCA	
86.4	BRV	DCA	ADW	OTT	BAL	CSN
92.9	EMI	DCA	OTT	ADW	MRB	CSN

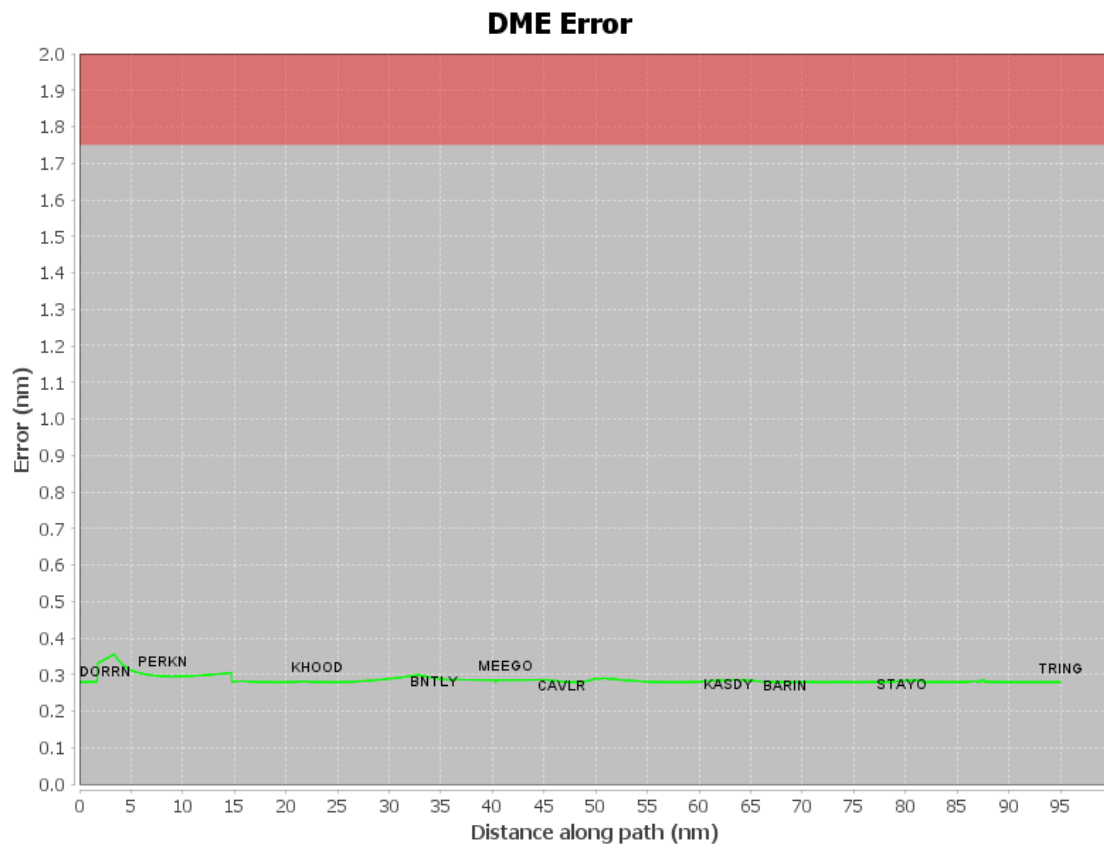
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

DME DME Assessment Results for CAVLR7 path DORRN_TRING

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DORRN	PERKN	FAK, LVL, GVE, RIC, HPW	
PERKN	KHOOD	FAK, GVE, BRV, RIC, HPW	
KHOOD	BNTLY	FAK, BRV, GVE, RIC	
BNTLY	MEEGO	FAK, BRV, GVE, RIC, CSN	
MEEGO	CAVLR	BRV, GVE, CSN	
CAVLR	KASDY	AML, DCA, BRV, GVE, OTT, CSN	
KASDY	BARIN	AML, DCA, BRV, OTT, CSN	
BARIN	STAYO	AML, DCA, BRV, OTT, CSN	
STAYO	TRING	AML, EMI, DCA, ADW, BRV, MRB, FDK, BAL, OTT, CSN	

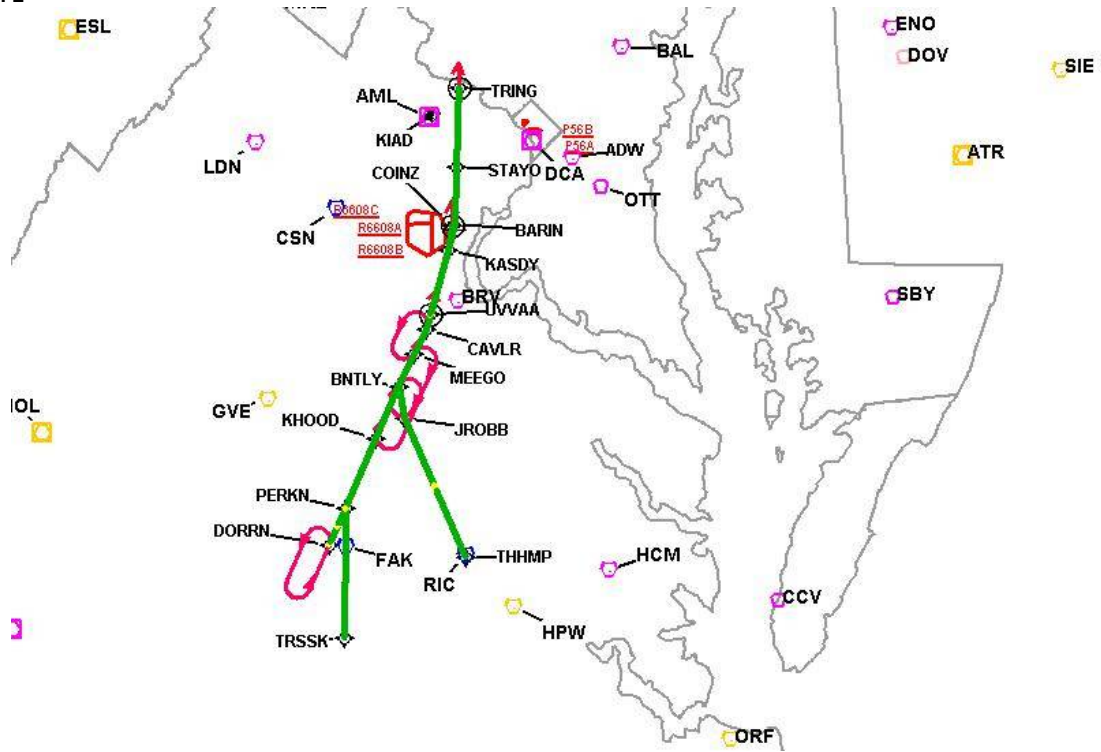
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR_20231208_0941 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

DME DME Assessment Results for CAVLR7 path DORRN_TRING



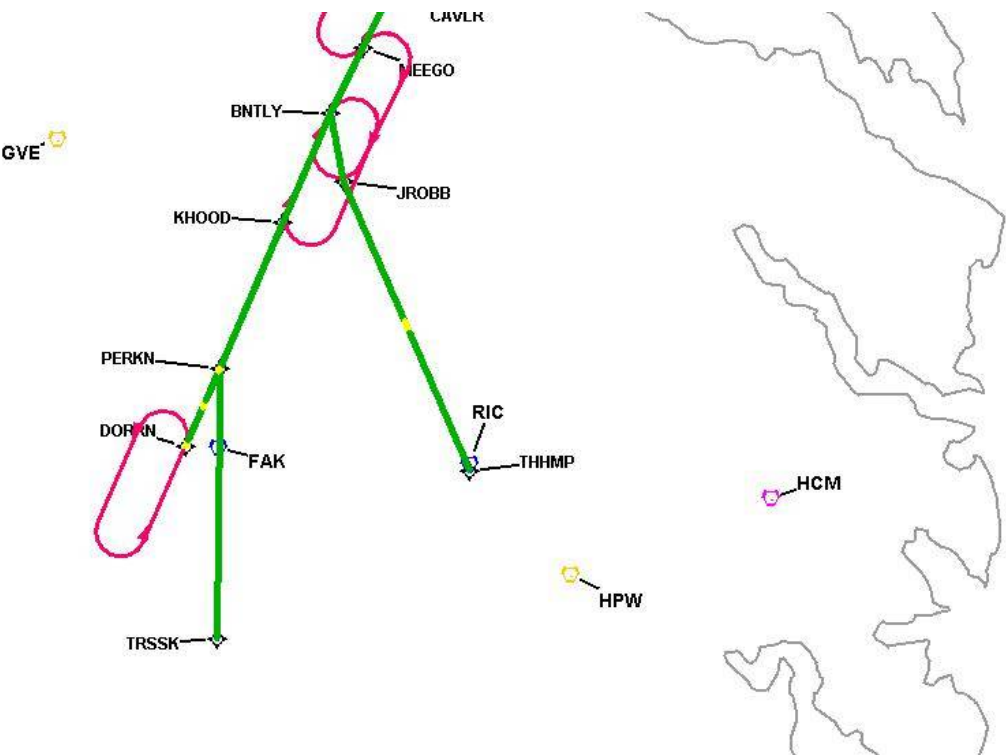
DME DME Assessment Results for CAVLR7 path DORRN_TRING

Graphic Depiction 1



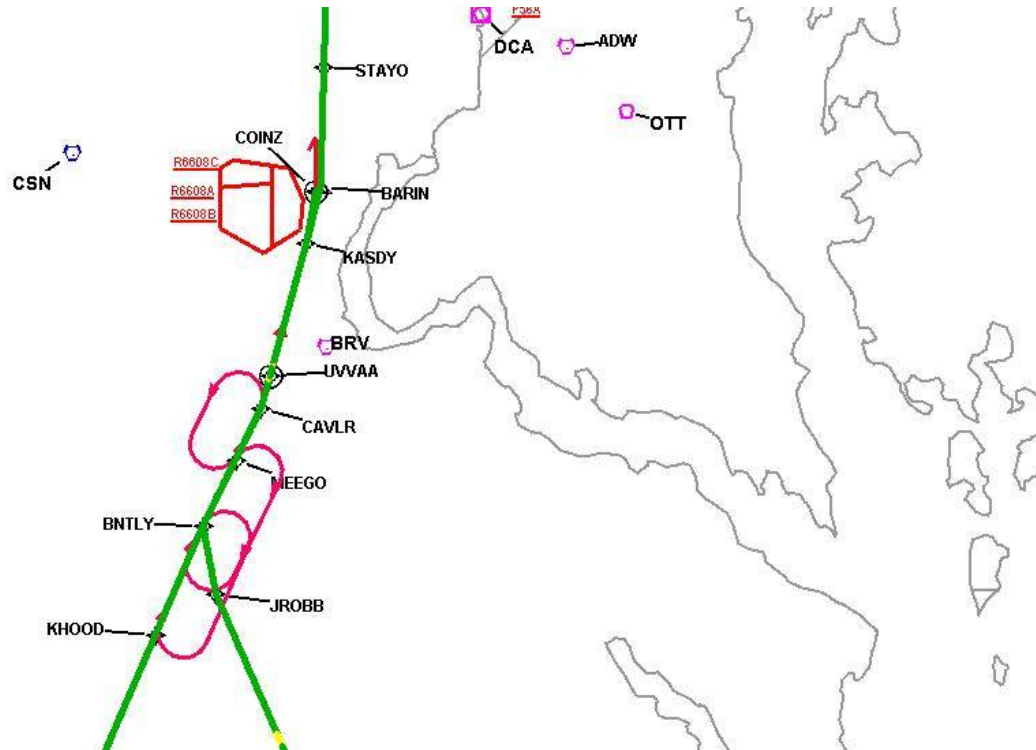
Graphic Depiction 2

DME DME Assessment Results for CAVLR7 path DORRN_TRING



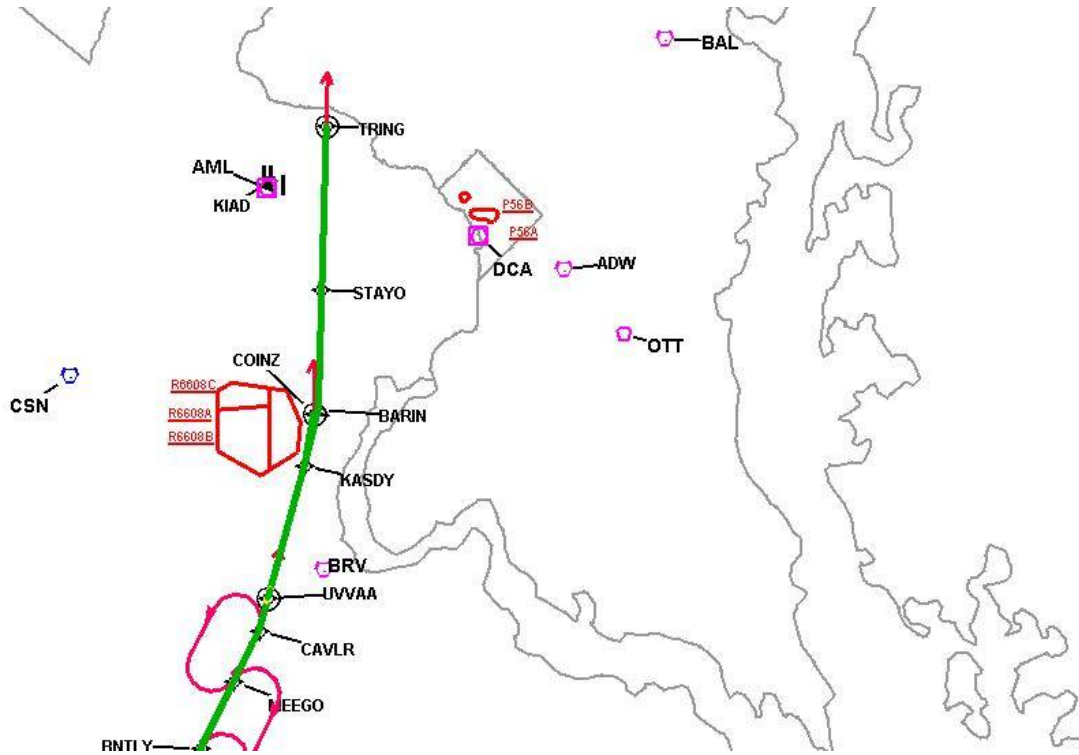
DME DME Assessment Results for CAVLR7 path DORRN_TRING

Graphic Depiction 3



DME DME Assessment Results for CAVLR7 path DORRN_TRING

Graphic Depiction 4



DME DME Assessment Results for CAVLR7 path KASDY_COINZ

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\17-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\KASDY_COINZ\KIAD CAVLR7 RNAV STAR KASDY COINZ 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
KASDY	WP	N38° 29' 57.1700", W077° 23' 30.0100"	5000	VNAV	210	FLY_BY	TF
COINZ	WP	N38° 34' 52.9100", W077° 22' 23.5800"	5000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAD [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 CAVLR7 path KASDY_COINZ

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	100 %	100 %
2	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	100 %	100 %
3	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	100 %	100 %
4	OTT	N38° 42' 21.1352", W076° 44' 41.0854"	10.0 W	40	L		NO	Enabled	100 %	100 %
5	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BRV	OTT	AML	DCA	CSN	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KASDY	COINZ	AML, DCA, BRV, OTT, CSN	

DME DME Assessment Results for CAVLR7 path KASDY_COINZ

User Data Files

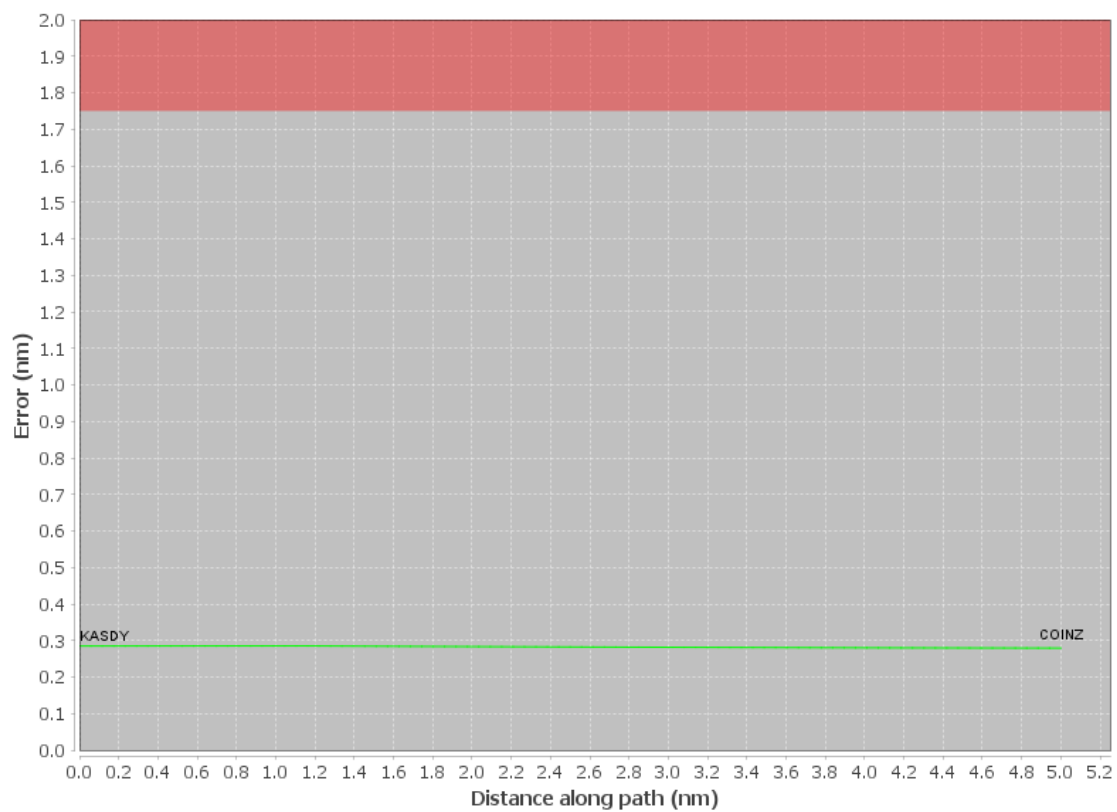
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR_20231208_0941 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

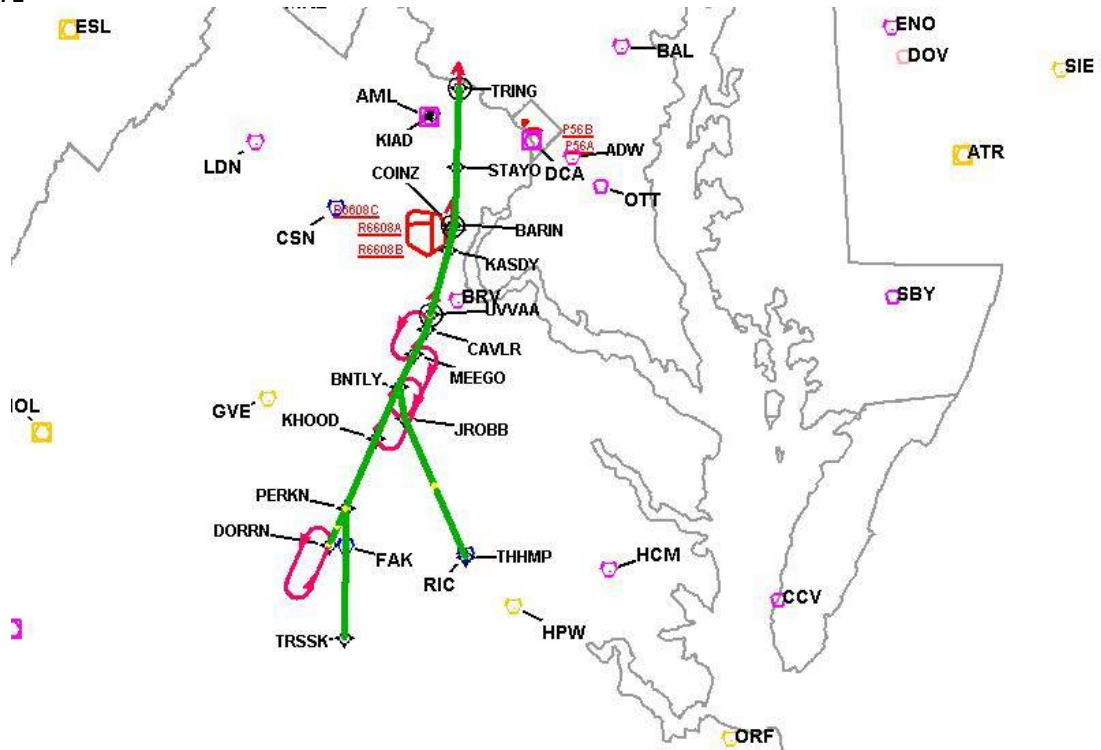
DME DME Assessment Results for CAVLR7 path KASDY_COINZ

DME Error



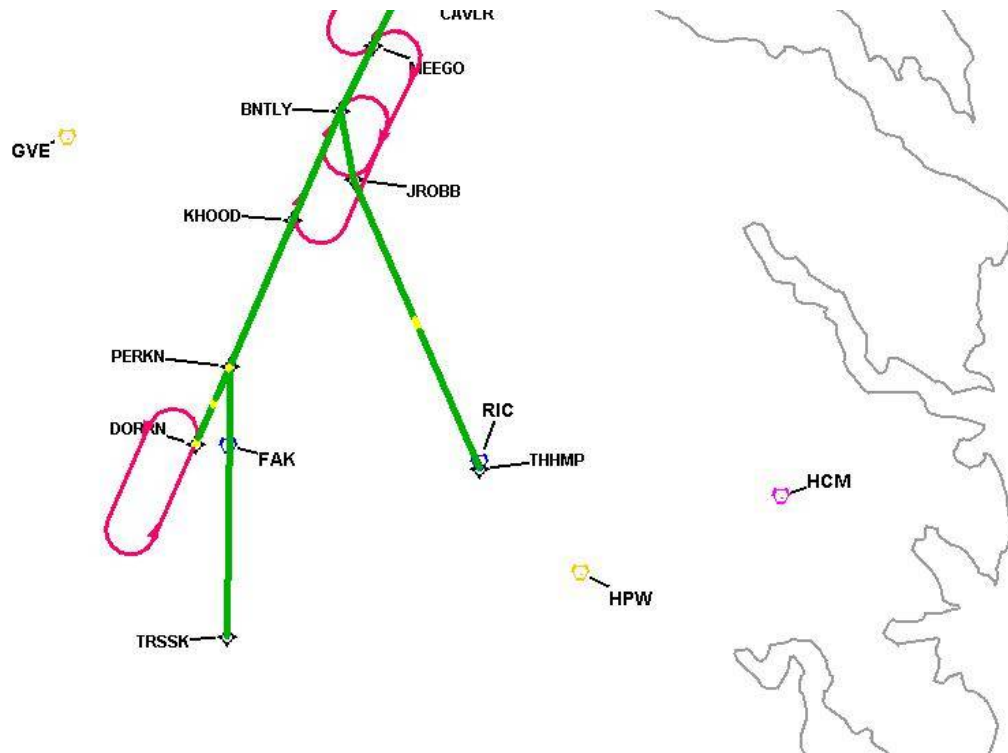
DME DME Assessment Results for CAVLR7 path KASDY_COINZ

Graphic Depiction 1

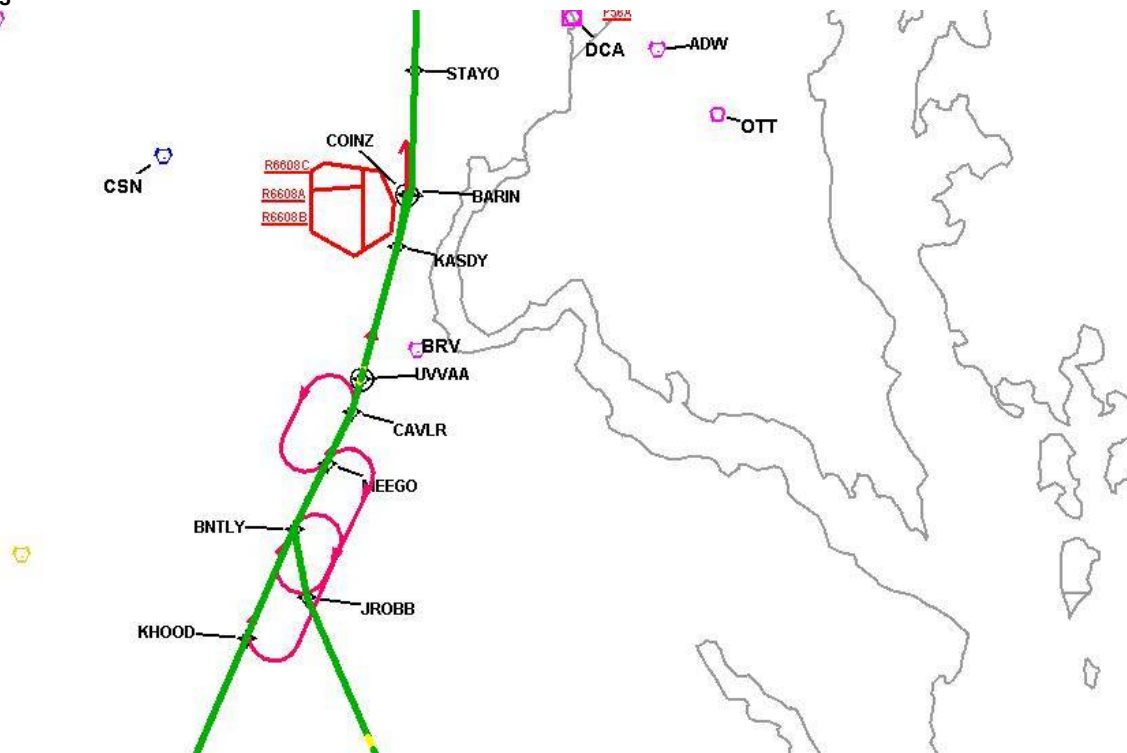


Graphic Depiction 2

DME DME Assessment Results for CAVLR7 path KASDY_COINZ

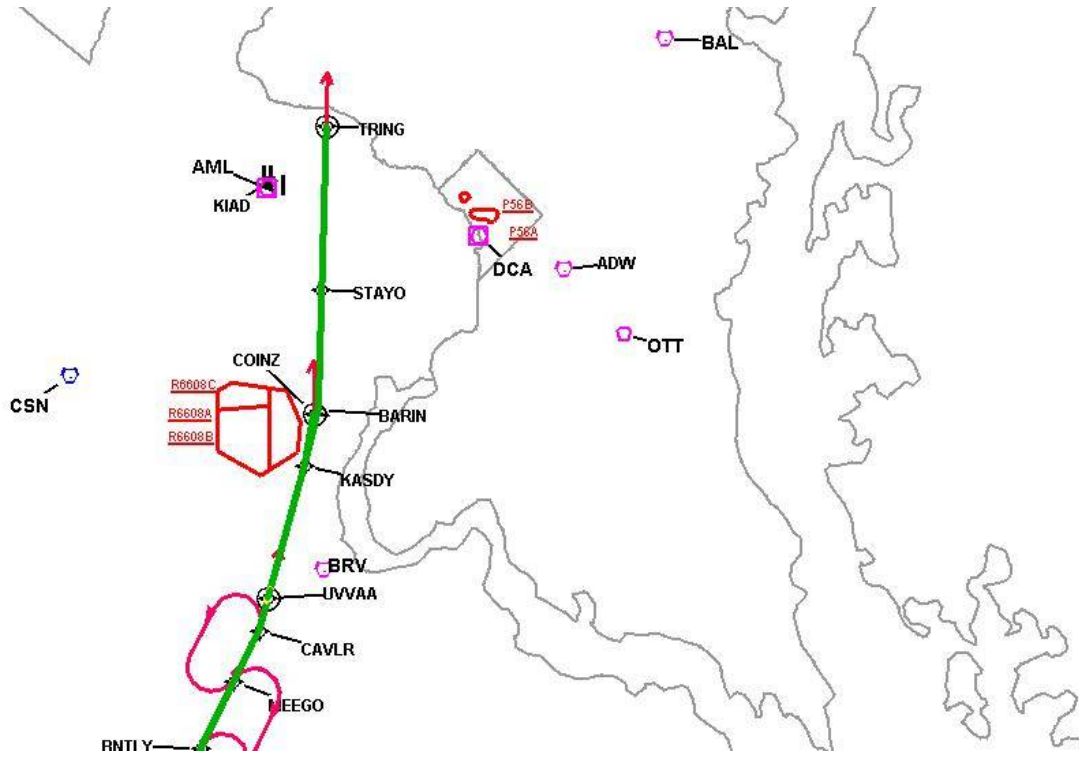


DME DME Assessment Results for CAVLR7 path KASDY_COINZ



Graphic Depiction 4

DME DME Assessment Results for CAVLR7 path KASDY_COINZ



DME DME Assessment Results for CAVLR7 path THHMP_BNTLY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD CAVLR7 (RNAV) STAR_DME-DME 20251030.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD CAVLR7 (RNAV) SID\KIAD [IFPA] CAVLR7 20251210_1452 EST\THHMP_BNTLY\KIAD CAVLR7 RNAV STAR THHMP BNTLY 20251210_1452 EST.pdf
Procedure Name:	CAVLR7
Software: DmeDmePlugin:	7.6.0
Date/Time:	12/10/2025 14:52 EST
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
THHMP	WP	N37° 29' 29.4700", W077° 19' 08.7500"	5000	VNAV	280	FLY_BY	TF
JROBB	WP	N37° 56' 52.7400", W077° 34' 30.9200"	5000	VNAV	280	FLY_BY	TF
BNTLY	WP	N38° 03' 14.9900", W077° 36' 05.1600"	5000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAD [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 CAVLR7 path THHMP_BNTLY

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H		NO	Enabled	100 %	100 %
2	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L		NO	Enabled	5.3 %	5.3 %
3	HCM	N37° 26' 55.1756", W076° 42' 40.8741"	7.0 W	40	L		NO	Enabled	35.1 %	35.1 %
4	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	69.8 %	69.8 %
5	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H		NO	Enabled	60.6 %	60.6 %
6	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H		NO	Enabled	84.5 %	84.5 %
7	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	130	H		NO	Enabled	71.6 %	71.6 %
8	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	5.1 %	5.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BRV	HCM	FAK	LVL	HPW	
2.0	BRV	FAK	HCM	HPW		
3.4	HPW	FAK	HCM			
5.7	RIC	FAK	HPW	HCM		
8.0	RIC	FAK	HPW			
9.3	RIC	FAK	HPW	HCM		
13.1	RIC	FAK	HPW			
14.4	HPW	FAK	RIC	BRV	HCM	GVE
15.6	HPW	FAK	RIC	BRV	GVE	
26.1	BRV	GVE	FAK	RIC		
34.6	GVE	CSN	RIC	FAK	BRV	

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

DME DME Assessment Results for CAVLR7 path THHMP_BNTLY

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
THHMP	JROBB	FAK, LVL, HCM, BRV, GVE, RIC, HPW	
JROBB	BNTLY	FAK, BRV, GVE, RIC, CSN	

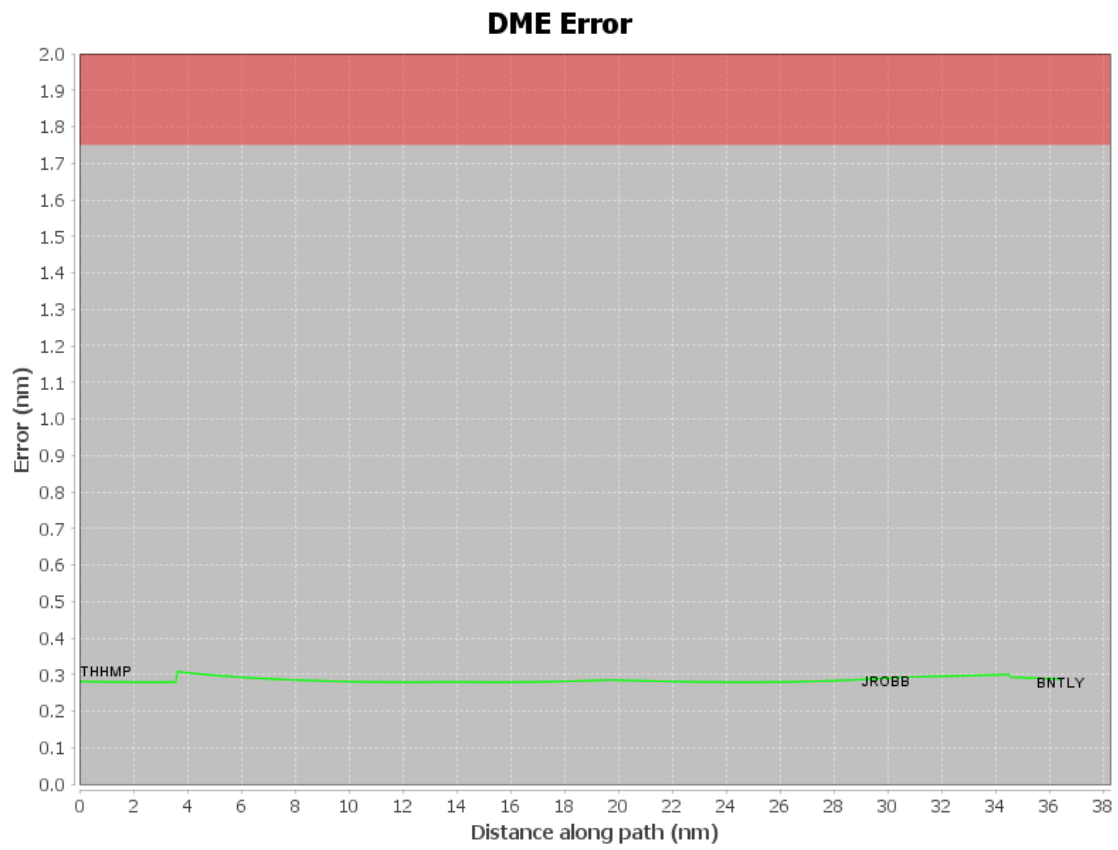
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] CAVLR5 RNAV STAR 20231208 0941 EST.udt

User DMEs

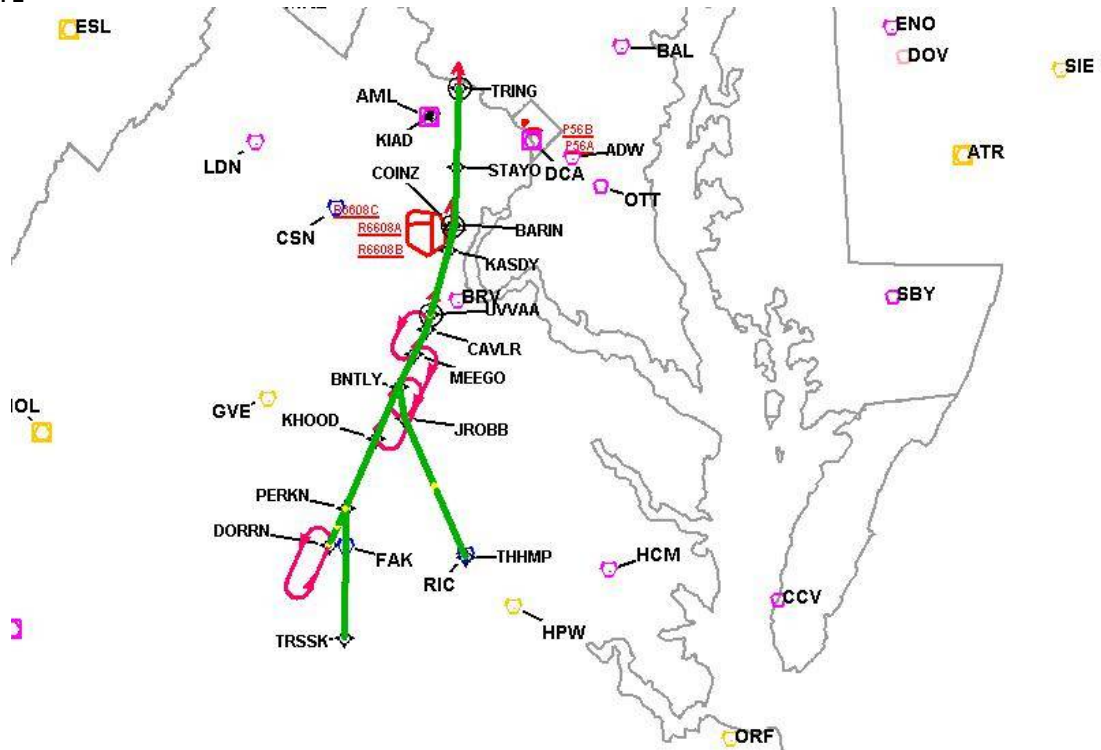
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
2	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		

DME DME Assessment Results for CAVLR7 path THHMP_BNTLY



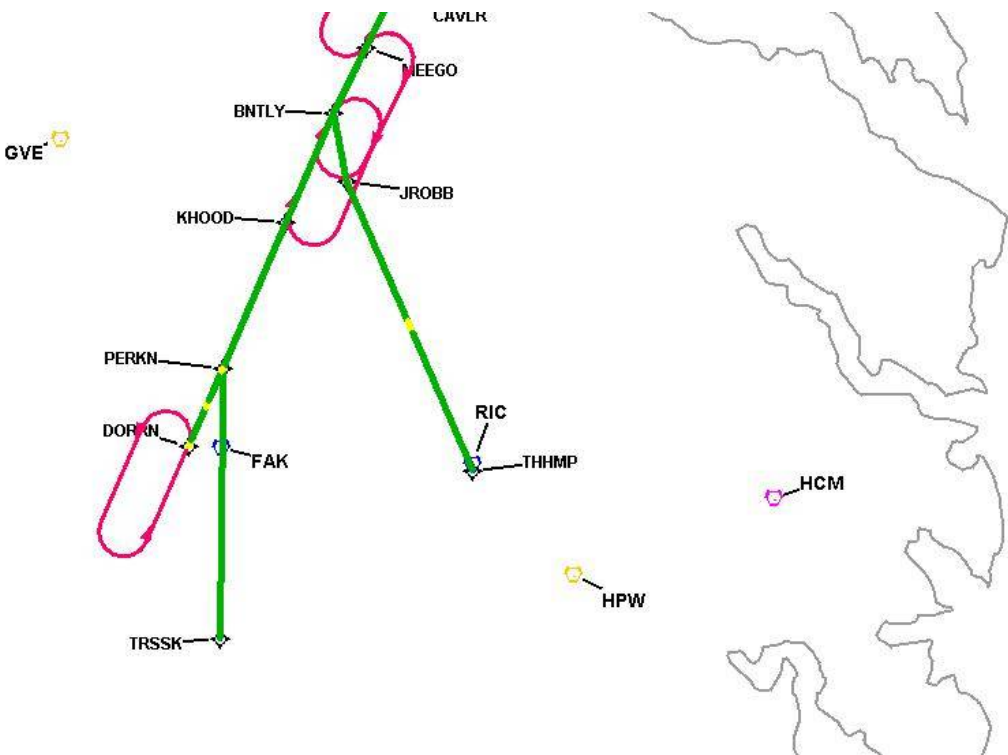
DME DME Assessment Results for CAVLR7 path THHMP_BNTLY

Graphic Depiction 1



Graphic Depiction 2

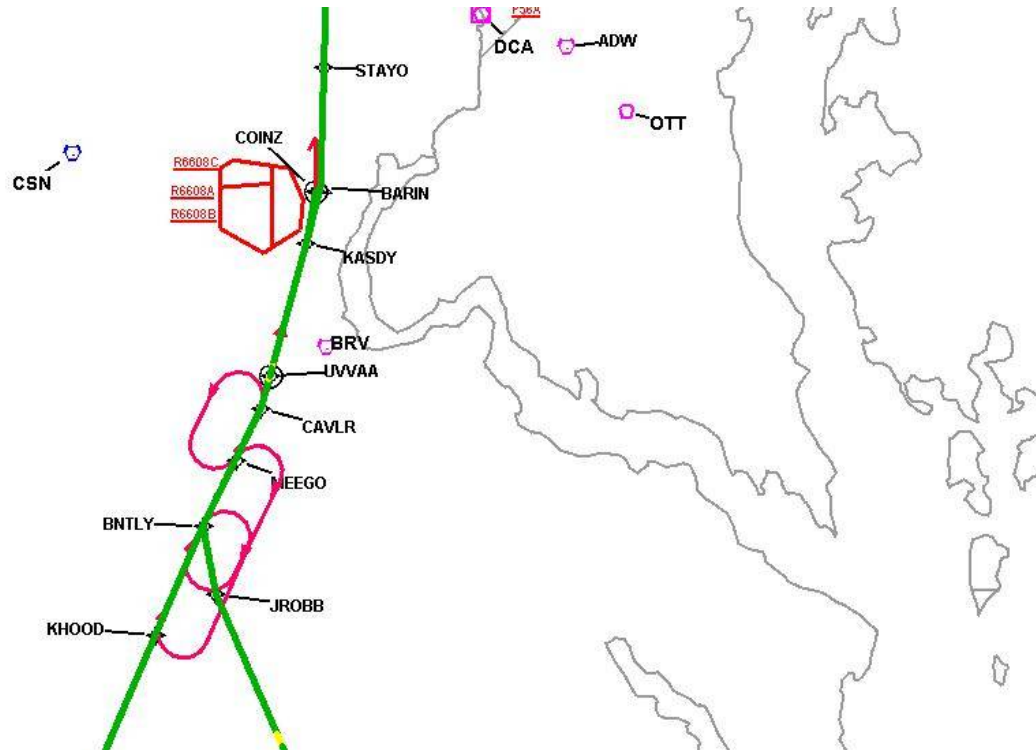
DME DME Assessment Results for CAVLR7 path THHMP_BNTLY



DME DME Assessment Results for CAVLR7 path THHMP_BNTLY

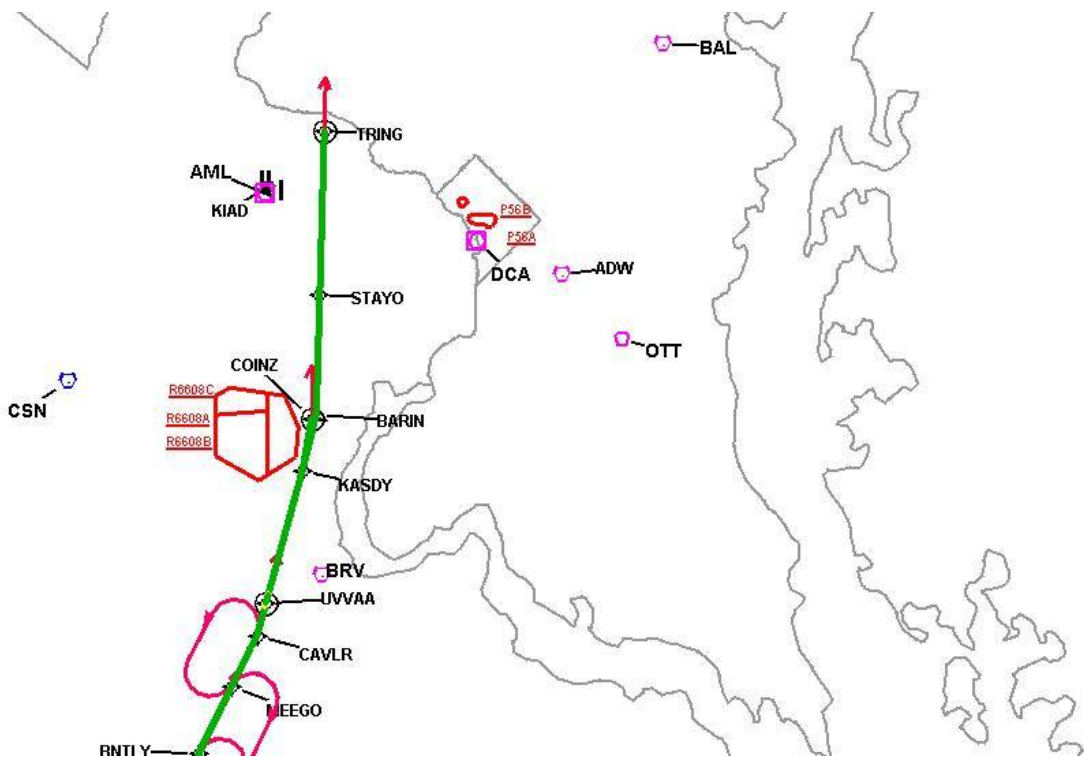
Graphic Depiction 3

2



Graphic Depiction 4

DME DME Assessment Results for CAVLR7 path THHMP_BNTLY



DME ESVs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BRV BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	144.5	114.5	BRV	
ESV:		Bearing [True]: 173.0° to 184.0° Bearing [Mag]: 182.0° to 193.0°				Arc Distance: Out to 53.0 NM Altitude: 4900.0 to 18200.0 ft		
2	LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL	
Restriction:		Bearing [True]: 352.0° to 352.0° Bearing [Mag]: 0° to 360.0°				Distance: All Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 30.0° to 37.0° Bearing [Mag]: 38.0° to 45.0°				Arc Distance: Out to 54.0 NM Altitude: 4900.0 to 18400.0 ft		
3	UDT ESV LVL LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	UDT ESV LVL	
Restriction:		Bearing [True]: 352.0° to 352.0° Bearing [Mag]: 0° to 360.0°				Distance: All Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 349.0° to 6.0° Bearing [Mag]: 357.0° to 14.0°				Arc Distance: Out to 56.0 NM Altitude: 3500.0 to 19000.0 ft		