

DME DME Assessment Results for TRSTN4 path LORAA_BRILA

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\KDMW TRSTN4\KDMW TRSTN4 (RNAV) STAR DME_DME_20240626.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KDMW TRSTN4\KDMW [IFPA] TRSTN4 20240701_1053 EDT\LORAA_BRILA\KDMW TRSTN4 RNAV STAR LORAA BRILA 20240701_1053 EDT.pdf
Procedure Name:	TRSTN4
Software: DmeDmePlugin:	7.3.2
Date/Time:	07/01/2024 10:53 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
LORAA	WP	N37° 23' 49.8200", W077° 58' 42.9800"	10000	VNAV	200	FLY_BY	TF
DORRN	WP	N37° 31' 54.0400", W077° 53' 37.6200"	10000	VNAV	200	FLY_BY	TF
PERKN	WP	N37° 39' 11.9300", W077° 49' 28.8100"	10000	VNAV	200	FLY_BY	TF
CABRL	WP	N37° 48' 49.7097", W077° 44' 08.6708"	10000	VNAV	200	FLY_BY	TF
TRSTN	WP	N38° 05' 12.9300", W077° 46' 23.8800"	6000	VNAV	200	FLY_BY	TF
ASHLN	WP	N39° 15' 14.6800", W078° 18' 35.1100"	4000	VNAV	200	FLY_BY	TF
MRB	WP	N39° 23' 08.0600", W077° 50' 54.0820"	4000	VNAV	200	FLY_BY	TF
CPTAL	WP	N39° 32' 16.0200", W077° 41' 55.6500"	4000	VNAV	200	FLY_BY	TF
TWIRK	WP	N39° 34' 36.7000", W077° 12' 44.7500"	4000	VNAV	200	FLY_BY	TF
BRILA	WP	N39° 23' 53.0400", W077° 08' 31.8900"	4000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KDMW [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 TRSTN4 path LORAA_BRILA

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:	Not 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:	FKN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	L	IFPA	NO	Enabled		
2	THS	N39° 55' 59.6210", W077° 57' 03.4000"	7.0 W	40	L	IFPA	NO	Enabled		
3	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H	IFPA	NO	Enabled		
4	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H	IFPA	NO	Enabled		
5	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L	IFPA	NO	Enabled		
6	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H	IFPA	NO	Enabled		
7	ADW	N38° 48' 25.9900", W076° 51' 58.5200"	10.0 W	40	L	IFPA	NO	Enabled		
8	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L	IFPA	NO	Enabled		
9	LDN	N38° 51' 15.8344", W078° 12' 20.0559"	6.0 W	40	L	IFPA	NO	Enabled		
10	BAL	N39° 10' 15.8283", W076° 39' 40.5225"	11.0 W	40	L	IFPA	NO	Enabled		
11	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L	IFPA	NO	Enabled		
12	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H	IFPA	NO	Enabled		
13	ESL	N39° 13' 31.7740", W078° 59' 22.2000"	6.0 W	40	L	IFPA	NO	Enabled		
14	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L	IFPA	NO	Enabled		
15	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H	IFPA	NO	Enabled		
16	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L	IFPA	NO	Enabled		
17	FKN	N36° 42' 51.2443", W077° 00' 44.5488"	9.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for TRSTN4 path LORAA_BRILA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	RIC [IFPA]	LVL [IFPA]	HPW [IFPA]	FAK [IFPA]		
0.8	RIC [IFPA]	GVE [IFPA]	LVL [IFPA]	FAK [IFPA]		
3.4	LVL [IFPA]	RIC [IFPA]	GVE [IFPA]	HPW [IFPA]	FAK [IFPA]	
5.1	LVL [IFPA]	RIC [IFPA]	GVE [IFPA]	FAK [IFPA]		
7.5	FAK [IFPA]	GVE [IFPA]	RIC [IFPA]	HPW [IFPA]		
7.9	LVL [IFPA]	RIC [IFPA]	FAK [IFPA]	GVE [IFPA]	HPW [IFPA]	
9.5	LVL [IFPA]	RIC [IFPA]	GVE [IFPA]			
9.8	RIC [IFPA]	GVE [IFPA]				
11.1	RIC [IFPA]	GVE [IFPA]	HPW [IFPA]			
12.9	RIC [IFPA]	FAK [IFPA]	GVE [IFPA]	HPW [IFPA]		
17.1	RIC [IFPA]	FAK [IFPA]	HPW [IFPA]			
17.2	RIC [IFPA]	FAK [IFPA]				
20.8	RIC [IFPA]	FAK [IFPA]	GVE [IFPA]			
24.3	BRV [IFPA]	RIC [IFPA]	GVE [IFPA]	FAK [IFPA]		
37.8	FAK [IFPA]	GVE [IFPA]	BRV [IFPA]	RIC [IFPA]	CSN [IFPA]	
40.5	GVE [IFPA]	CSN [IFPA]	FAK [IFPA]	BRV [IFPA]		
49.2	BRV [IFPA]	CSN [IFPA]	GVE [IFPA]			
54.9	BRV [IFPA]	CSN [IFPA]	LDN [IFPA]	GVE [IFPA]		
67.0	BRV [IFPA]	CSN [IFPA]	GVE [IFPA]	AML [IFPA]	LDN [IFPA]	
79.0	LDN [IFPA]	AML [IFPA]	BRV [IFPA]			
80.4	LDN [IFPA]	AML [IFPA]				
80.7	LDN [IFPA]	AML [IFPA]	CSN [IFPA]			
88.9	LDN [IFPA]	MRB [IFPA]	CSN [IFPA]	AML [IFPA]		
91.3	MRB [IFPA]	CSN [IFPA]	AML [IFPA]			
97.1	MRB [IFPA]	CSN [IFPA]	AML [IFPA]	LDN [IFPA]		
107.3	MRB [IFPA]	CSN [IFPA]	LDN [IFPA]	ESL [IFPA]	AML [IFPA]	
107.5	MRB [IFPA]	CSN [IFPA]	LDN [IFPA]			
109.5	LDN [IFPA]	MRB [IFPA]				
110.9	MRB [IFPA]	CSN [IFPA]	LDN [IFPA]			
111.6	MRB [IFPA]	CSN [IFPA]	LDN [IFPA]	ESL [IFPA]		
115.7	LDN [IFPA]	ESL [IFPA]	MRB [IFPA]			
124.7	LDN [IFPA]	ESL [IFPA]	AML [IFPA]	THS [IFPA]	MRB [IFPA]	
127.1	LDN [IFPA]	MRB [IFPA]				

DME DME Assessment Results for TRSTN4 path LORAA_BRILA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
130.2	LDN [IFPA]	AML [IFPA]	MRB [IFPA]			
131.7	LDN [IFPA]	AML [IFPA]	THS [IFPA]	MRB [IFPA]		
138.2	LDN [IFPA]	AML [IFPA]	THS [IFPA]			
139.8	LDN [IFPA]	AML [IFPA]				
144.6						
147.0	THS [IFPA]	EMI [IFPA]	AML [IFPA]			
147.2	THS [IFPA]	EMI [IFPA]	AML [IFPA]	MRB [IFPA]		
151.5	THS [IFPA]	EMI [IFPA]	MRB [IFPA]			
153.7	AML [IFPA]	EMI [IFPA]	THS [IFPA]	MRB [IFPA]		
160.2	THS [IFPA]	MRB [IFPA]				
171.5						
172.9	BAL [IFPA]	MRB [IFPA]				
175.5						
176.5	BAL [IFPA]	MRB [IFPA]	EMI [IFPA]			
176.6	BAL [IFPA]	MRB [IFPA]				
179.0	AML [IFPA]	EMI [IFPA]	BAL [IFPA]	MRB [IFPA]		
180.0	MRB [IFPA]	DCA [IFPA]	EMI [IFPA]	AML [IFPA]	BAL [IFPA]	
184.4	AML [IFPA]	BAL [IFPA]	DCA [IFPA]	EMI [IFPA]		
184.8	ADW [IFPA]	EMI [IFPA]	AML [IFPA]	BAL [IFPA]	DCA [IFPA]	

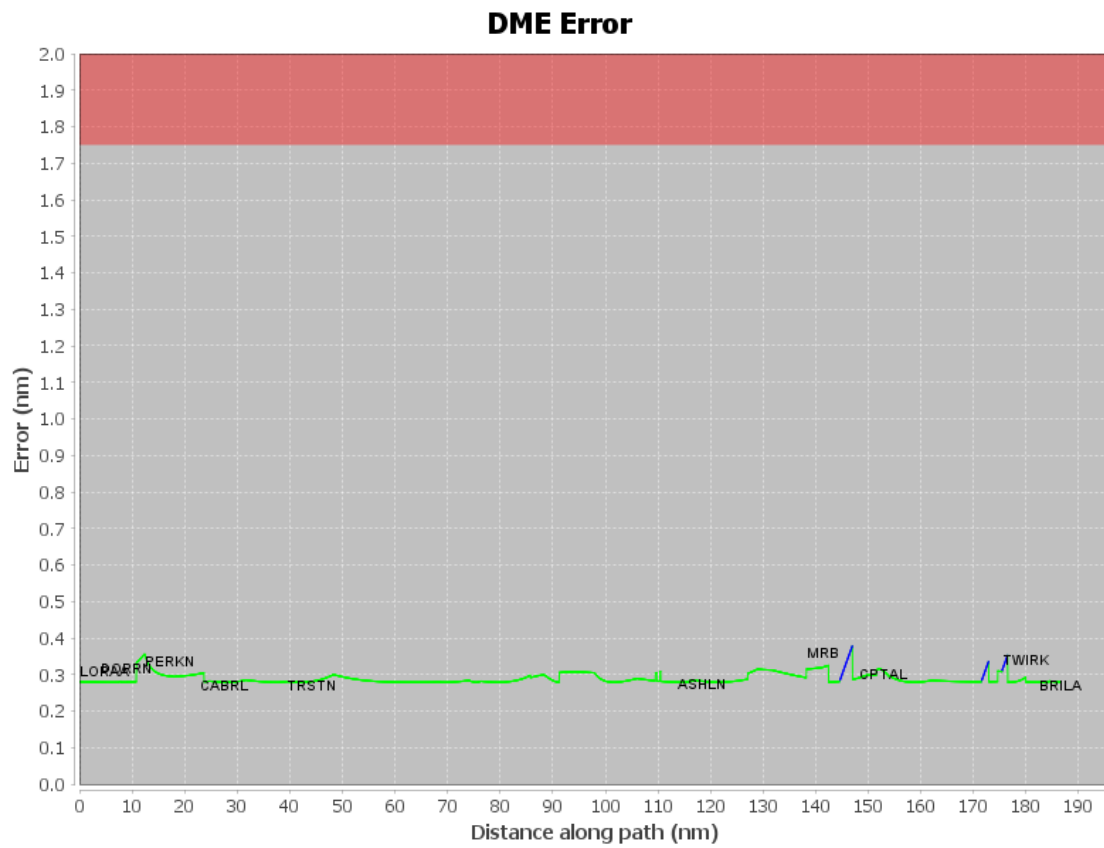
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 25' 46.9617", W077° 48' 18.2560"	N39° 27' 43.4519", W077° 46' 23.8586"	2.4381
2	N39° 34' 13.1426", W077° 17' 44.5537"	N39° 34' 21.5806", W077° 15' 57.4874"	1.387
3	N39° 34' 36.7000", W077° 12' 44.7500"	N39° 33' 32.9790", W077° 12' 19.6565"	1.1093

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
LORAA	DORRN	HPW [IFPA], RIC [IFPA], FAK [IFPA], LVL [IFPA], GVE [IFPA]	
DORRN	PERKN	HPW [IFPA], RIC [IFPA], FAK [IFPA], LVL [IFPA], GVE [IFPA]	
PERKN	CABRL	HPW [IFPA], RIC [IFPA], FAK [IFPA], BRV [IFPA], GVE [IFPA]	
CABRL	TRSTN	RIC [IFPA], FAK [IFPA], BRV [IFPA], GVE [IFPA], CSN [IFPA]	
TRSTN	ASHLN	MRB [IFPA], LDN [IFPA], FAK [IFPA], BRV [IFPA], CSN [IFPA], GVE [IFPA], ESL [IFPA], AML [IFPA]	
ASHLN	MRB	MRB [IFPA], LDN [IFPA], THS [IFPA], ESL [IFPA], AML [IFPA]	
MRB	CPTAL	MRB [IFPA], LDN [IFPA], THS [IFPA], AML [IFPA], EMI [IFPA]	
CPTAL	TWIRK	MRB [IFPA], THS [IFPA], BAL [IFPA], AML [IFPA], EMI [IFPA]	
TWIRK	BRILA	MRB [IFPA], BAL [IFPA], AML [IFPA], EMI [IFPA], DCA [IFPA], ADW [IFPA]	

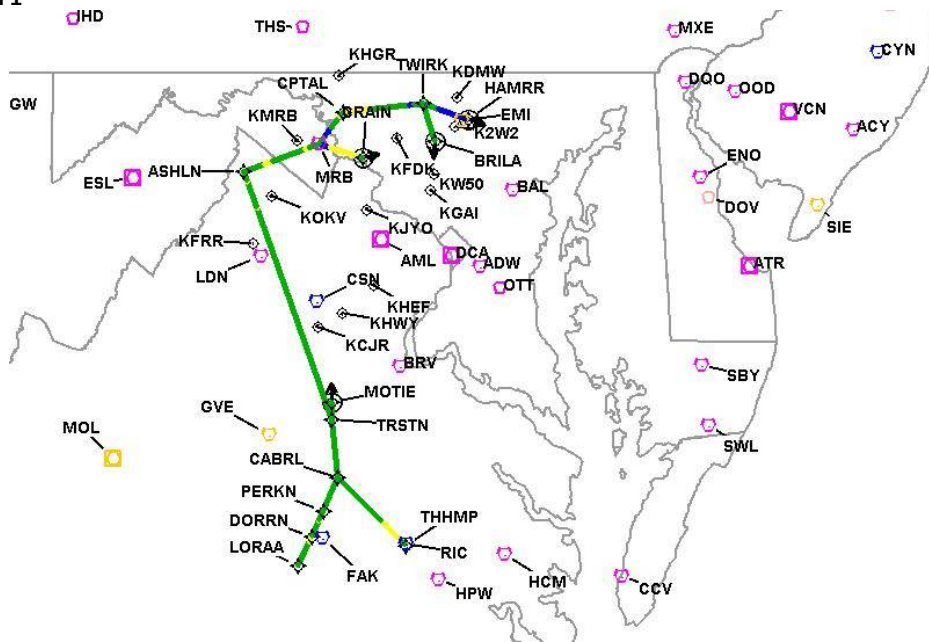
DME DME Assessment Results for TRSTN4 path LORAA_BRILA

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RIC FAA 704161-22 RIC [IFPA]	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	158.3	114.1	RIC FAA 704161-22	
ESV:		Bearing [True]: 197.0° to 260.0° Bearing [Mag]: 206.0° to 269.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 14700.0 ft		
2	LVL FAA 704121-7 LVL [IFPA]	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL FAA 704121-7	
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		
3	GVE FAA 698194-10 GVE [IFPA]	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	382.6	115.6	GVE FAA 698194-10	
ESV:		Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°				Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft		
4	HPW FAA 210922-9 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-9	
ESV:		Bearing [True]: 259.0° to 284.0° Bearing [Mag]: 265.0° to 290.0°				Arc Distance: Out to 80.0 NM Altitude: 7000.0 to 18000.0 ft		
5	HPW FAA 210922-10 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-10	
ESV:		Bearing [True]: 291.0° to 301.0° Bearing [Mag]: 297.0° to 307.0°				Arc Distance: Out to 53.0 NM Altitude: 3500.0 to 19000.0 ft		
6	ESV CCV [IFPA] CCV [IFPA]	N37° 20' 51.1400", W075° 59' 51.5500"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
ESV:		Bearing [True]: 272.0° to 287.0° Bearing [Mag]: 282.0° to 297.0°				Arc Distance: Out to 70.0 NM Altitude: 9800.0 to 15000.0 ft		
7	ESV CVI [IFPA] CVI [IFPA]	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	ESV CVI [IFPA]	
ESV:		Bearing [True]: 334.0° to 354.0° Bearing [Mag]: 343.0° to 3.0°				Arc Distance: Out to 75.0 NM Altitude: 9800.0 to 15000.0 ft		

DME DME Assessment Results for TRSTN4 path LORAA_BRILA

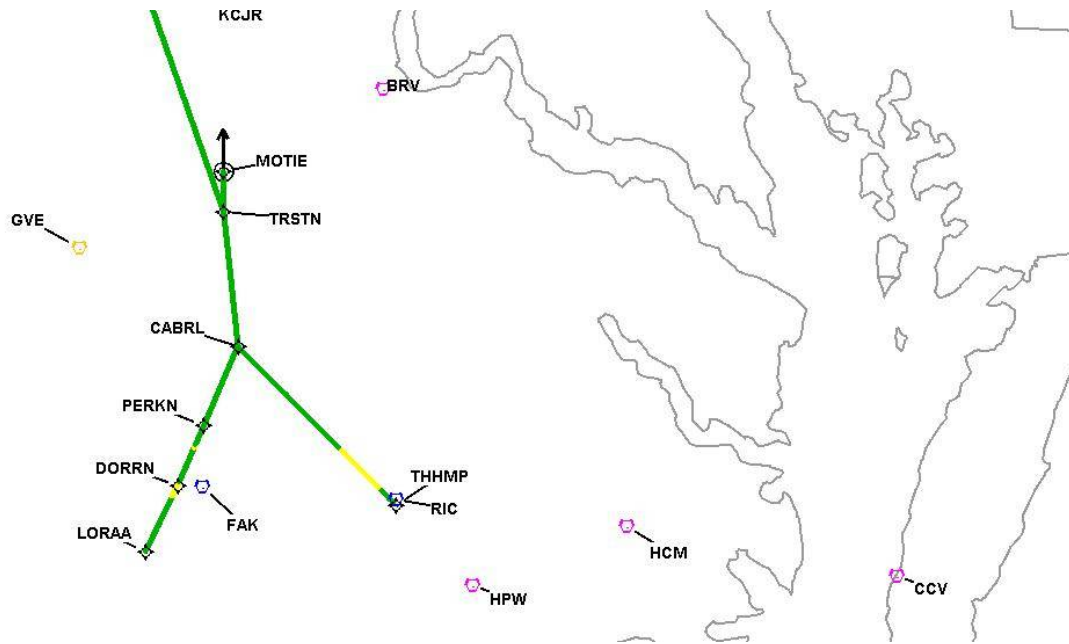


Graphic Depiction 1



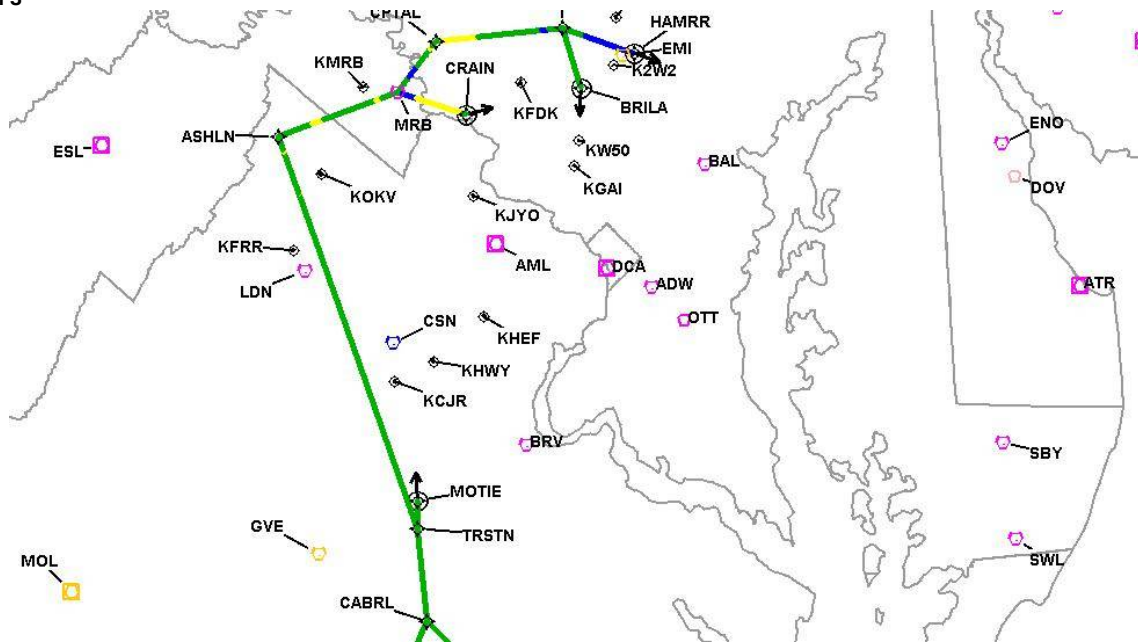
Graphic Depiction 2

DME DME Assessment Results for TRSTN4 path LORAA_BRILA

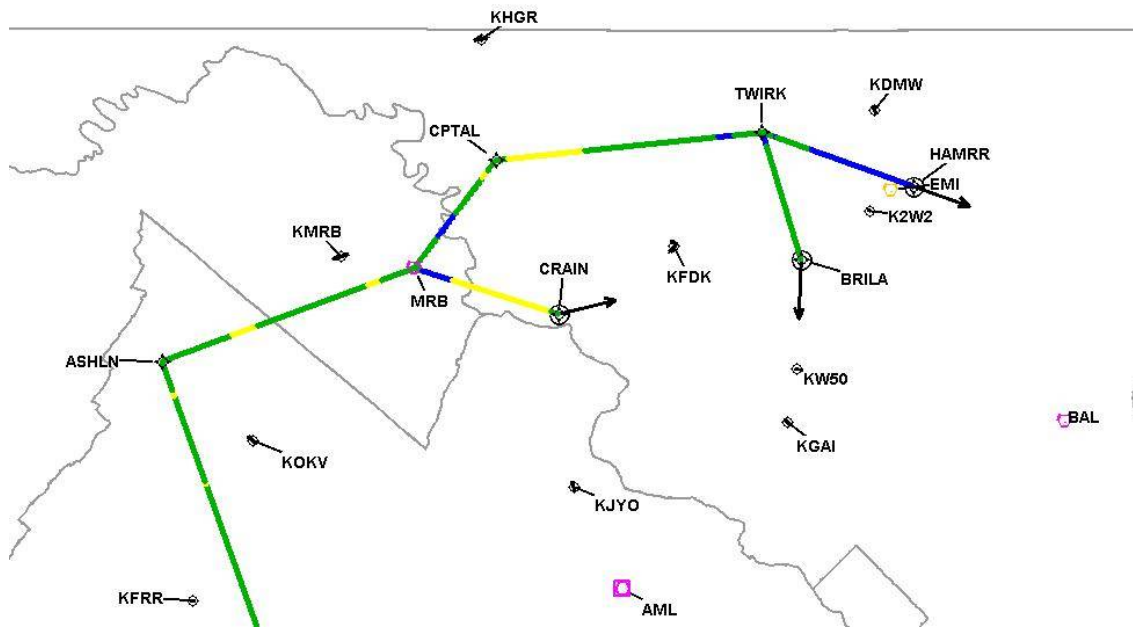


DME DME Assessment Results for TRSTN4 path LORAA_BRILA

Graphic Depiction 3

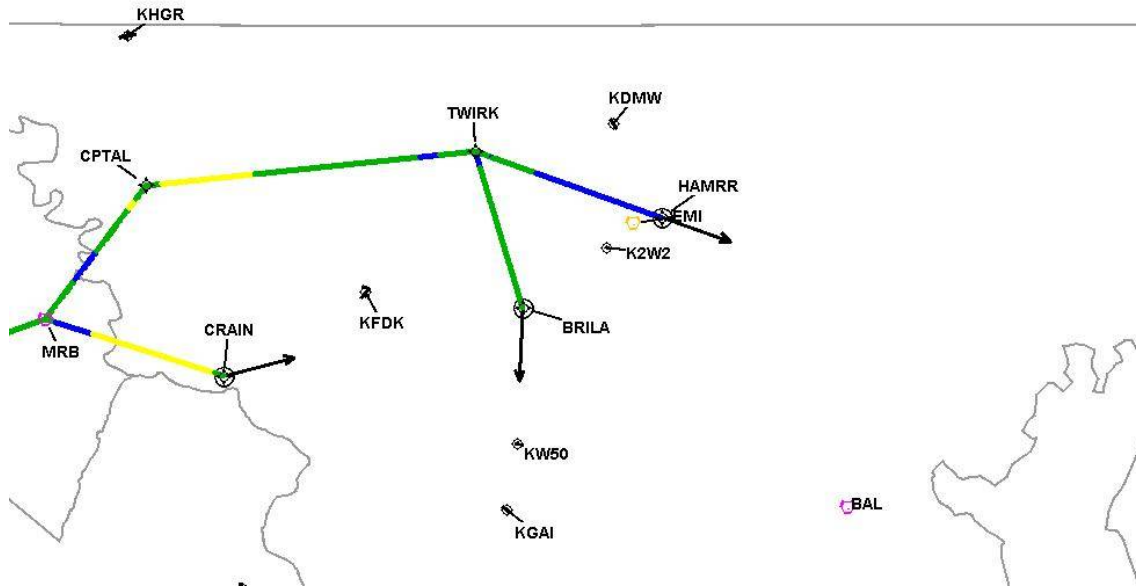


Graphic Depiction 4



DME DME Assessment Results for TRSTN4 path LORAA_BRILA

Graphic Depiction 5



DME DME Assessment Results for TRSTN4 path MRB_CRAIN

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\KDMW TRSTN4\KDMW TRSTN4 (RNAV) STAR DME_DME_20240626.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KDMW TRSTN4\KDMW [IFPA] TRSTN4 20240701_1053 EDT\MRB_CRAIN\KDMW TRSTN4 RNAV STAR MRB CRAIN 20240701_1053 EDT.pdf
Procedure Name:	TRSTN4
Software: DmeDmePlugin:	7.3.2
Date/Time:	07/01/2024 10:53 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
MRB	WP	N39° 23' 08.0600", W077° 50' 54.0820"	4000	VNAV	200	FLY_BY	TF
CRAIN	WP	N39° 19' 14.4654", W077° 35' 01.2513"	4000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KDMW [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 TRSTN4 path MRB_CRAIN

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:	Not 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:	FKN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L	IFPA	NO	Enabled		
2	LDN	N38° 51' 15.8344", W078° 12' 20.0559"	6.0 W	40	L	IFPA	NO	Enabled		
3	THS	N39° 55' 59.6210", W077° 57' 03.4000"	7.0 W	40	L	IFPA	NO	Enabled		
4	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L	IFPA	NO	Enabled		
5	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H	IFPA	NO	Enabled		
6	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L	IFPA	NO	Enabled		
7	FKN	N36° 42' 51.2443", W077° 00' 44.5488"	9.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	LDN [IFPA]	AML [IFPA]	THS [IFPA]			
0.7						
3.4	THS [IFPA]	EMI [IFPA]	LDN [IFPA]	MRB [IFPA]	AML [IFPA]	
12.2	AML [IFPA]	EMI [IFPA]	MRB [IFPA]			
12.6	AML [IFPA]	EMI [IFPA]	DCA [IFPA]	MRB [IFPA]		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 22' 56.0824", W077° 50' 04.9662"	N39° 22' 07.1140", W077° 46' 44.4582"	2.7166

DME DME Assessment Results for TRSTN4 path MRB_CRAIN

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
MRB	CRAIN	MRB [IFPA], LDN [IFPA], THS [IFPA], AML [IFPA], EMI [IFPA], DCA [IFPA]	

User Data Files

File Name

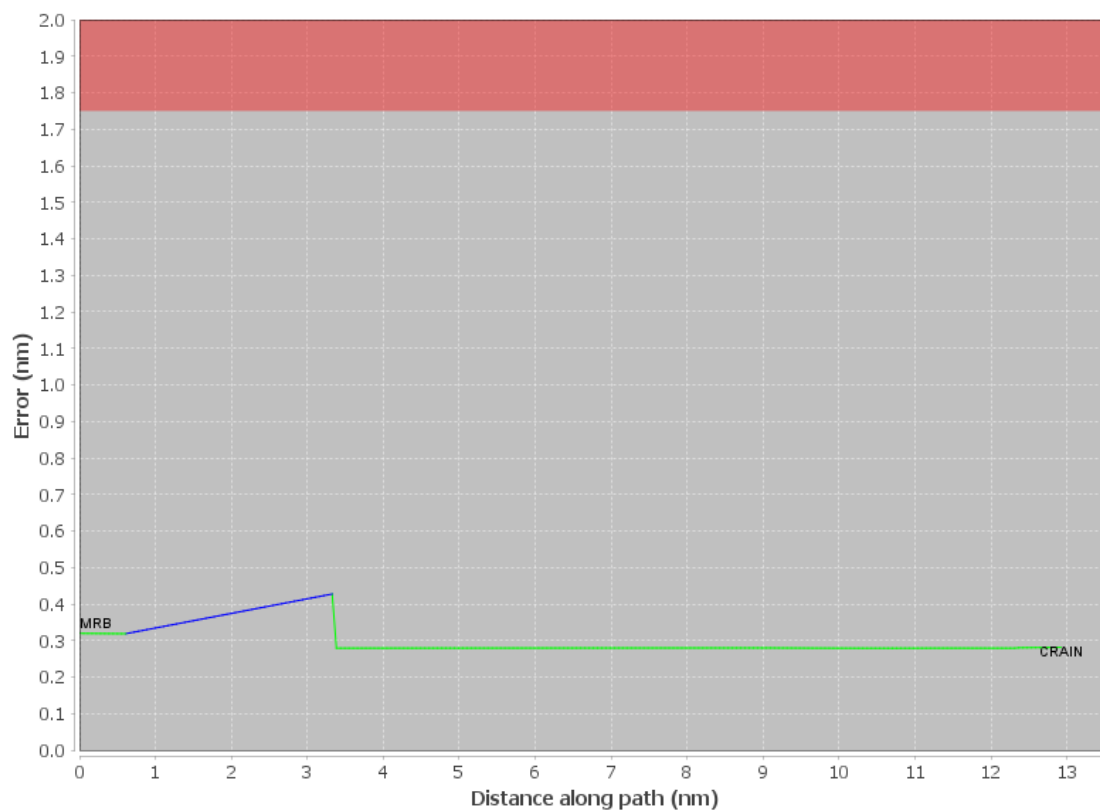
None

User DMEs

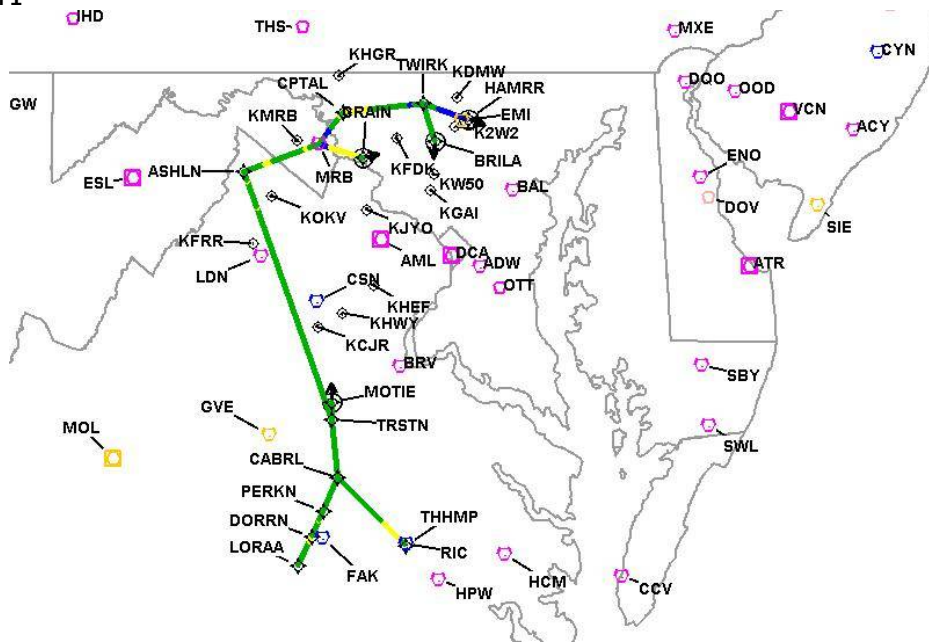
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RIC FAA 704161-22 RIC [IFPA]	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	158.3	114.1	RIC FAA 704161-22	
ESV:		Bearing [True]: 197.0° to 260.0° Bearing [Mag]: 206.0° to 269.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 14700.0 ft		
2	LVL FAA 704121-7 LVL [IFPA]	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL FAA 704121-7	
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		
3	GVE FAA 698194-10 GVE [IFPA]	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	382.6	115.6	GVE FAA 698194-10	
ESV:		Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°				Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft		
4	HPW FAA 210922-9 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-9	
ESV:		Bearing [True]: 259.0° to 284.0° Bearing [Mag]: 265.0° to 290.0°				Arc Distance: Out to 80.0 NM Altitude: 7000.0 to 18000.0 ft		
5	HPW FAA 210922-10 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-10	
ESV:		Bearing [True]: 291.0° to 301.0° Bearing [Mag]: 297.0° to 307.0°				Arc Distance: Out to 53.0 NM Altitude: 3500.0 to 19000.0 ft		
6	ESV CCV [IFPA] CCV [IFPA]	N37° 20' 51.1400", W075° 59' 51.5500"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
ESV:		Bearing [True]: 272.0° to 287.0° Bearing [Mag]: 282.0° to 297.0°				Arc Distance: Out to 70.0 NM Altitude: 9800.0 to 15000.0 ft		
7	ESV CVI [IFPA] CVI [IFPA]	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	ESV CVI [IFPA]	
ESV:		Bearing [True]: 334.0° to 354.0° Bearing [Mag]: 343.0° to 3.0°				Arc Distance: Out to 75.0 NM Altitude: 9800.0 to 15000.0 ft		

DME DME Assessment Results for TRSTN4 path MRB_CRAIN

DME Error

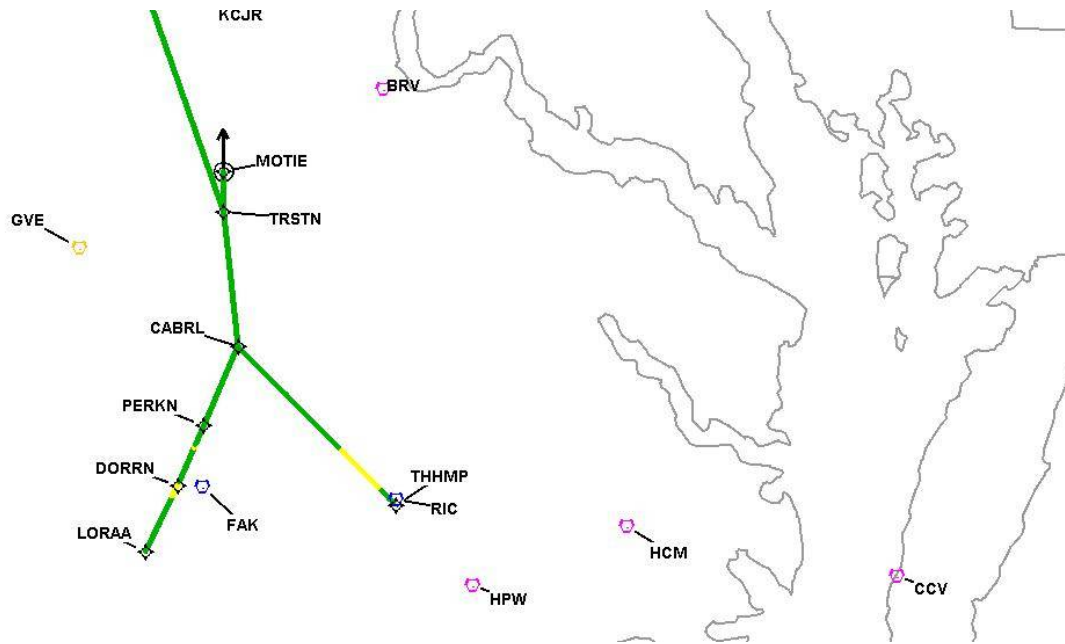


Graphic Depiction 1



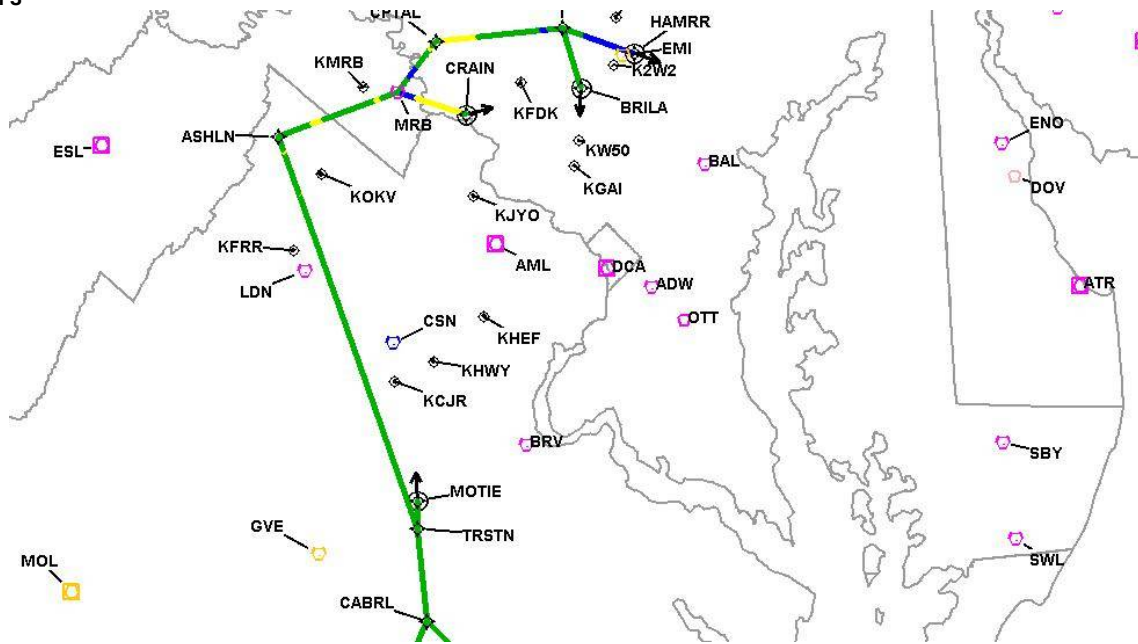
Graphic Depiction 2

DME DME Assessment Results for TRSTN4 path MRB_CRAIN



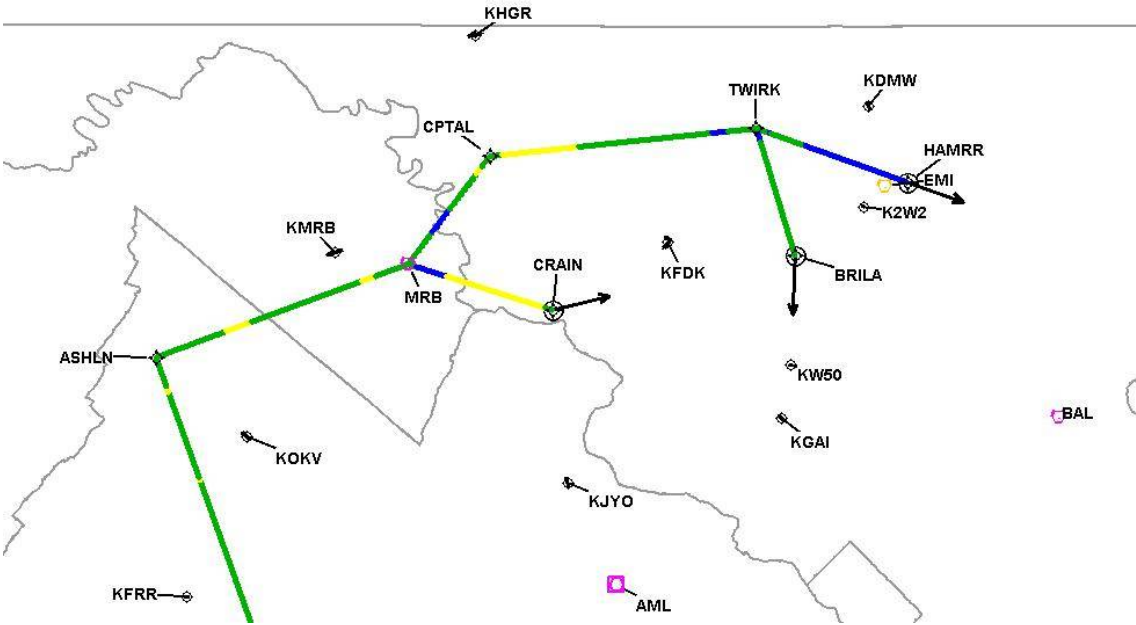
DME DME Assessment Results for TRSTN4 path MRB_CRAIN

Graphic Depiction 3

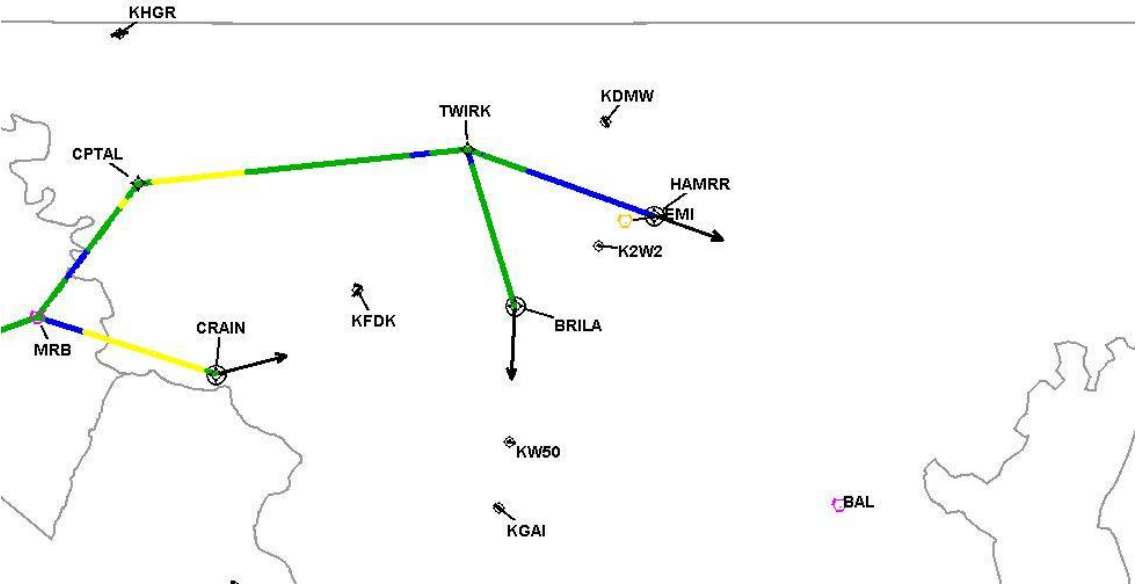


DME DME Assessment Results for TRSTN4 path MRB_CRAIN

Graphic Depiction 4



Graphic Depiction 5



DME DME Assessment Results for TRSTN4 path THHMP_CABRL

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\KDMW TRSTN4\KDMW TRSTN4 (RNAV) STAR DME_DME_20240626.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KDMW TRSTN4\KDMW [IFPA] TRSTN4 20240701_1053 EDT\THHMP_CABRL\KDMW TRSTN4 RNAV STAR THHMP CABRL 20240701_1053 EDT.pdf
Procedure Name:	TRSTN4
Software: DmeDmePlugin:	7.3.2
Date/Time:	07/01/2024 10:53 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
THHMP	WP	N37° 29' 29.4700", W077° 19' 08.7500"	10000	VNAV	200	FLY_BY	TF
CABRL	WP	N37° 48' 49.7097", W077° 44' 08.6708"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KDMW [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 TRSTN4 path THHMP_CABRL

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:	Not 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:	FKN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CCV	N37° 20' 51.1400", W075° 59' 51.5500"	10.0 W	40	L	IFPA	NO	Enabled		
2	HCM	N37° 26' 55.1756", W076° 42' 40.8741"	7.0 W	40	L	IFPA	NO	Enabled		
3	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	L	IFPA	NO	Enabled		
4	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H	IFPA	NO	Enabled		
5	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H	IFPA	NO	Enabled		
6	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H	IFPA	NO	Enabled		
7	CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	L	IFPA	NO	Enabled		
8	FKN	N36° 42' 51.2443", W077° 00' 44.5488"	9.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CVI [IFPA]	HCM [IFPA]	FAK [IFPA]	CCV [IFPA]	HPW [IFPA]	GVE [IFPA]
0.3	CVI [IFPA]	FAK [IFPA]	HCM [IFPA]	CCV [IFPA]	GVE [IFPA]	
3.5	HPW [IFPA]	FAK [IFPA]	RIC [IFPA]	HCM [IFPA]		
10.0	HPW [IFPA]	FAK [IFPA]				
10.6	HPW [IFPA]	FAK [IFPA]	RIC [IFPA]			
11.3	HPW [IFPA]	FAK [IFPA]	RIC [IFPA]	GVE [IFPA]		
26.1	FAK [IFPA]	GVE [IFPA]	RIC [IFPA]			

DME DME Assessment Results for TRSTN4 path THHMP_CABRL

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
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Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
THHMP	CABRL	CCV [IFPA], HCM [IFPA], HPW [IFPA], RIC [IFPA], FAK [IFPA], GVE [IFPA], CVI [IFPA]	

User Data Files

File Name

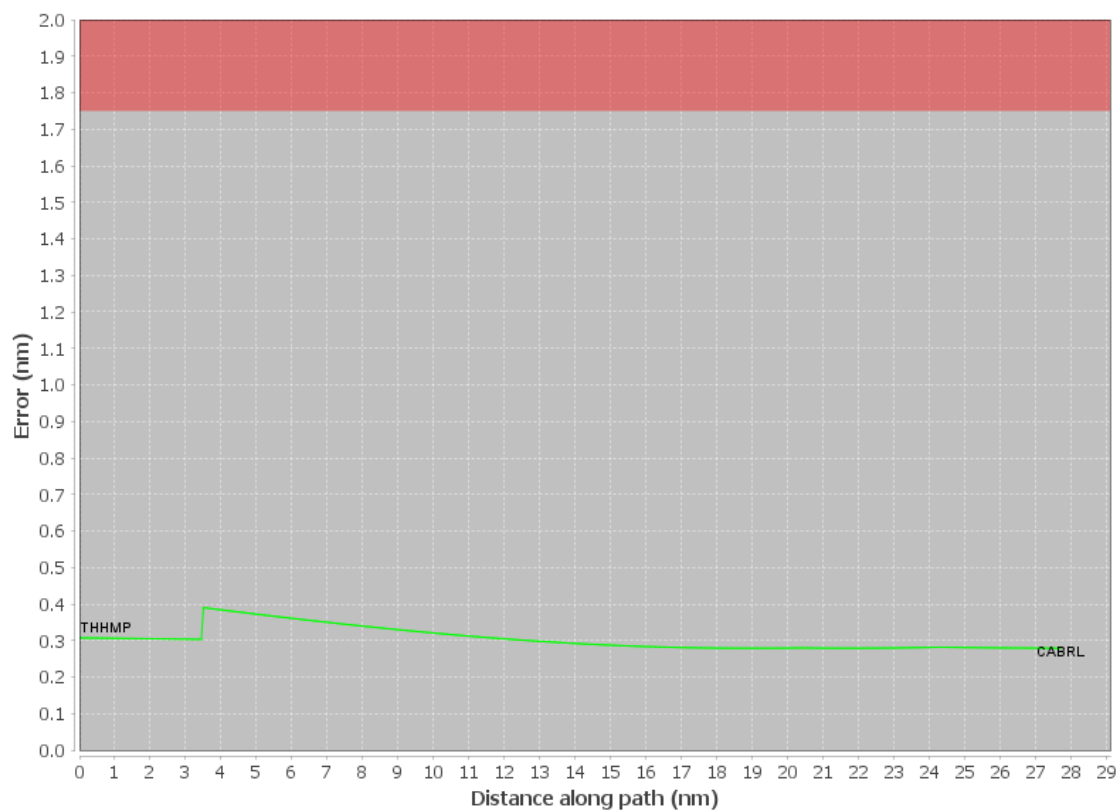
None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RIC FAA 704161-22 RIC [IFPA]	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	158.3	114.1	RIC FAA 704161-22	
ESV:		Bearing [True]: 197.0° to 260.0° Bearing [Mag]: 206.0° to 269.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 14700.0 ft		
2	LVL FAA 704121-7 LVL [IFPA]	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL FAA 704121-7	
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		
3	GVE FAA 698194-10 GVE [IFPA]	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	382.6	115.6	GVE FAA 698194-10	
ESV:		Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°				Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft		
4	HPW FAA 210922-9 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-9	
ESV:		Bearing [True]: 259.0° to 284.0° Bearing [Mag]: 265.0° to 290.0°				Arc Distance: Out to 80.0 NM Altitude: 7000.0 to 18000.0 ft		
5	HPW FAA 210922-10 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-10	
ESV:		Bearing [True]: 291.0° to 301.0° Bearing [Mag]: 297.0° to 307.0°				Arc Distance: Out to 53.0 NM Altitude: 3500.0 to 19000.0 ft		
6	ESV CCV [IFPA] CCV [IFPA]	N37° 20' 51.1400", W075° 59' 51.5500"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
ESV:		Bearing [True]: 272.0° to 287.0° Bearing [Mag]: 282.0° to 297.0°				Arc Distance: Out to 70.0 NM Altitude: 9800.0 to 15000.0 ft		
7	ESV CVI [IFPA] CVI [IFPA]	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	ESV CVI [IFPA]	
ESV:		Bearing [True]: 334.0° to 354.0° Bearing [Mag]: 343.0° to 3.0°				Arc Distance: Out to 75.0 NM Altitude: 9800.0 to 15000.0 ft		

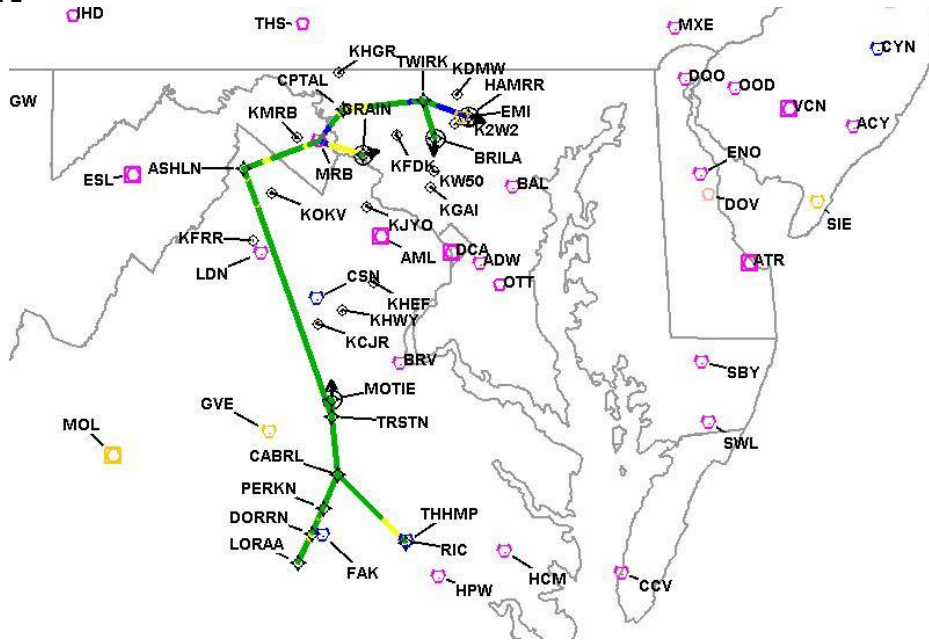
DME DME Assessment Results for TRSTN4 path THHMP_CABRL

DME Error

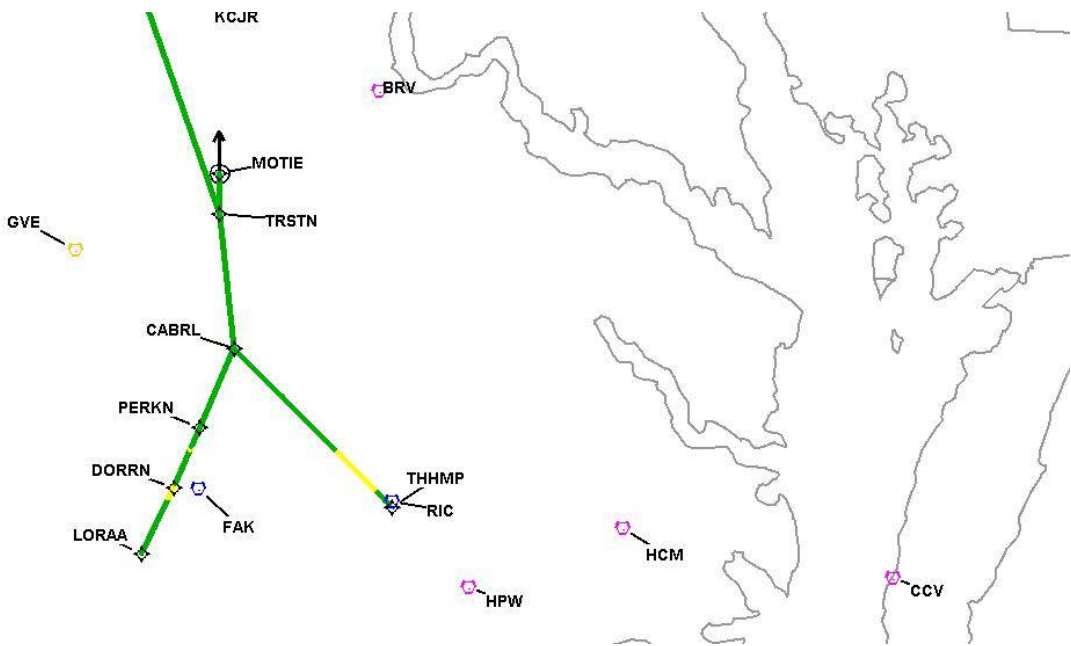


DME DME Assessment Results for TRSTN4 path THHMP_CABRL

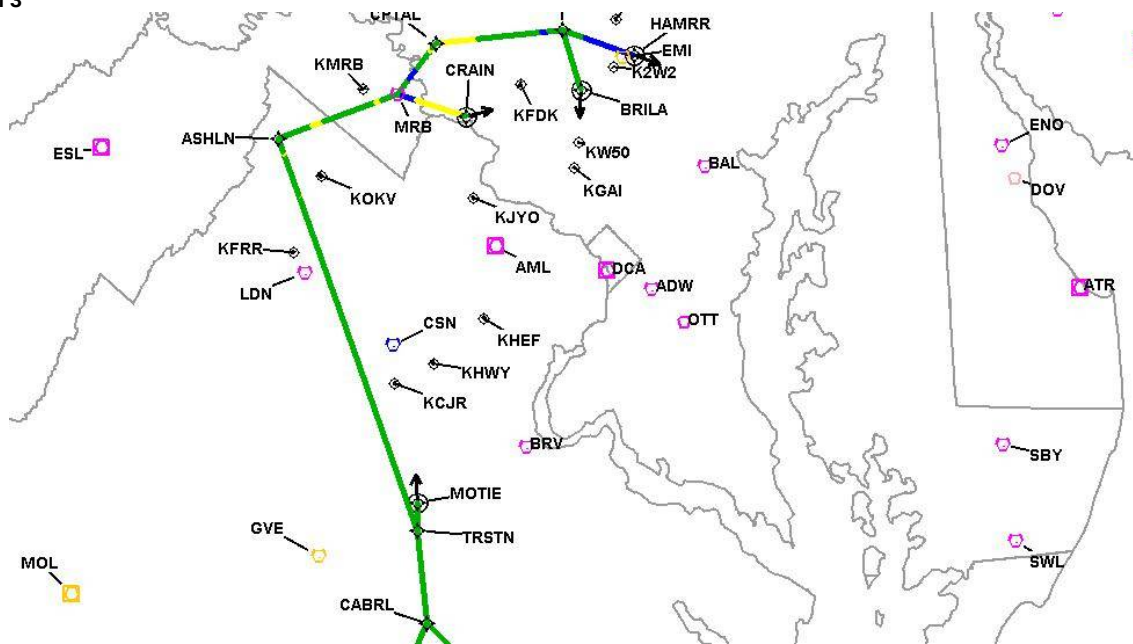
Graphic Depiction 1



DME DME Assessment Results for TRSTN4 path THHMP_CABRL

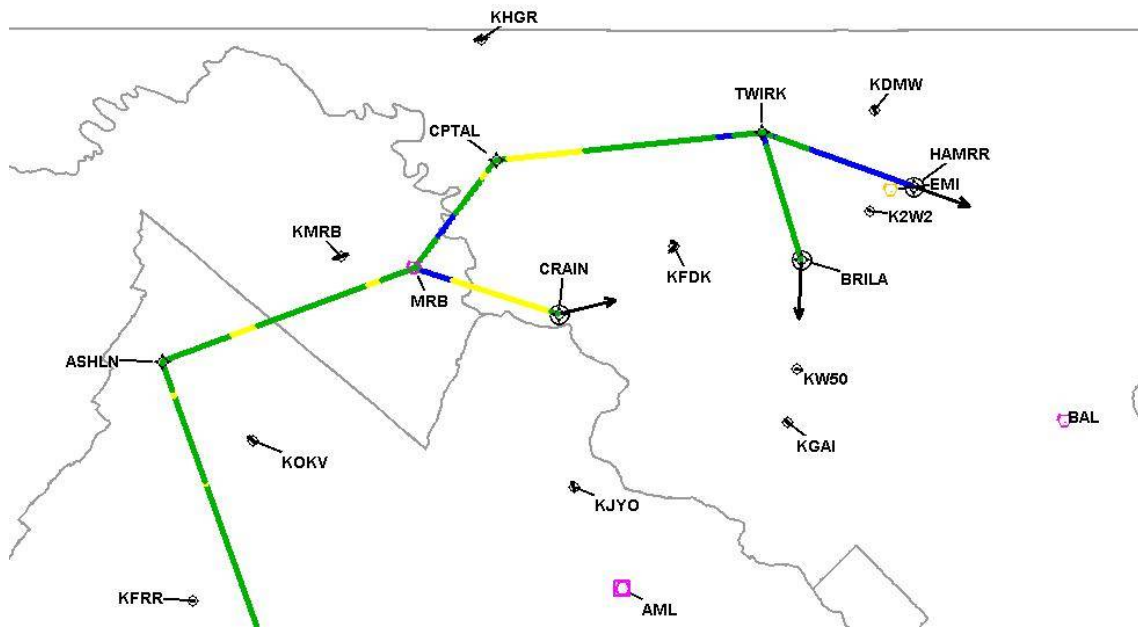


Graphic Depiction 3



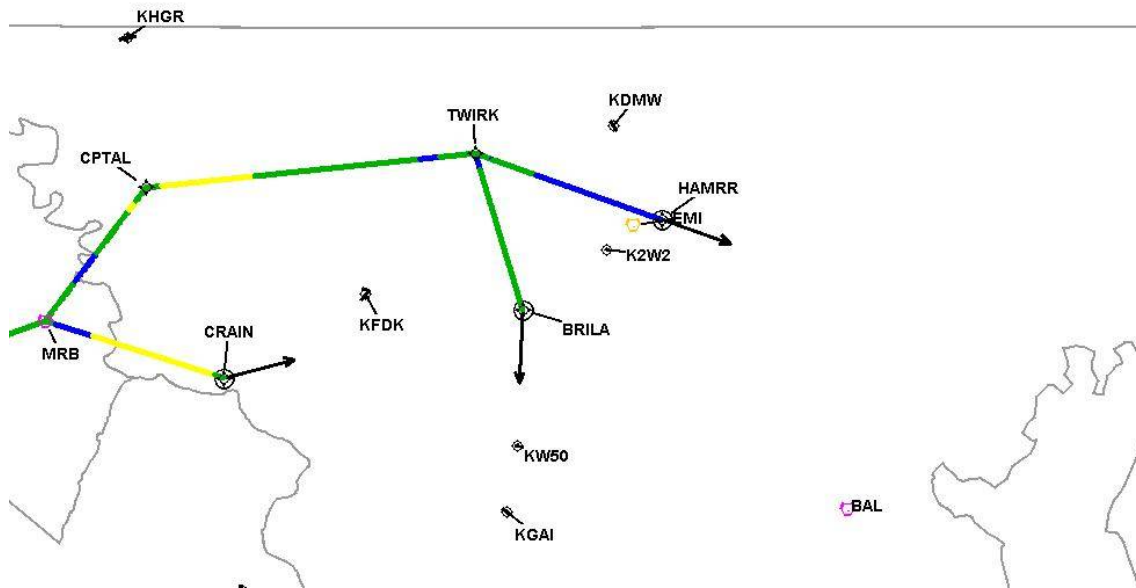
DME DME Assessment Results for TRSTN4 path THHMP_CABRL

Graphic Depiction 4



DME DME Assessment Results for TRSTN4 path THHMP_CABRL

Graphic Depiction 5



DME DME Assessment Results for TRSTN4 path TRSTN_MOTIE

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\KDMW TRSTN4\KDMW TRSTN4 (RNAV) STAR DME_DME_20240626.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KDMW TRSTN4\KDMW [IFPA] TRSTN4 20240701_1053 EDT\TRSTN_MOTIE\KDMW TRSTN4 RNAV STAR TRSTN MOTIE 20240701_1053 EDT.pdf
Procedure Name:	TRSTN4
Software: DmeDmePlugin:	7.3.2
Date/Time:	07/01/2024 10:53 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
TRSTN	WP	N38° 05' 12.9300", W077° 46' 23.8800"	6000	VNAV	200	FLY_BY	TF
MOTIE	WP	N38° 10' 12.5000", W077° 46' 23.9700"	4000	VNAV	200	FLY_OVER	TF

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KDMW [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 TRSTN4 path TRSTN_MOTIE

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:	Not 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:	FKN

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	IFPA	NO	Enabled		
2	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L	IFPA	NO	Enabled		
3	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H	IFPA	NO	Enabled		
4	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H	IFPA	NO	Enabled		
5	FKN	N36° 42' 51.2443", W077° 00' 44.5488"	9.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GVE [IFPA]	CSN [IFPA]	FAK [IFPA]	BRV [IFPA]		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TRSTN	MOTIE	FAK [IFPA], BRV [IFPA], CSN [IFPA], GVE [IFPA]	

DME DME Assessment Results for TRSTN4 path TRSTN_MOTIE

User Data Files

File Name

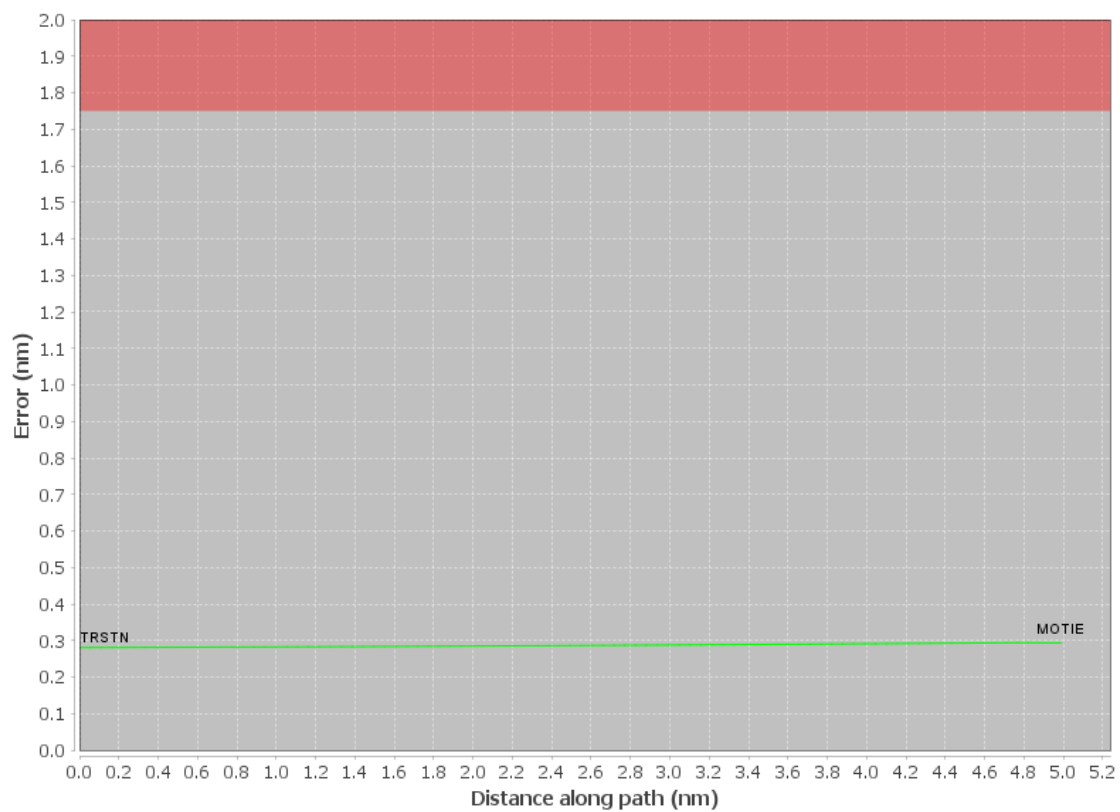
None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RIC FAA 704161-22 RIC [IFPA]	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	158.3	114.1	RIC FAA 704161-22	
ESV:		Bearing [True]: 197.0° to 260.0° Bearing [Mag]: 206.0° to 269.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 14700.0 ft		
2	LVL FAA 704121-7 LVL [IFPA]	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL FAA 704121-7	
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		
3	GVE FAA 698194-10 GVE [IFPA]	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	382.6	115.6	GVE FAA 698194-10	
ESV:		Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°				Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft		
4	HPW FAA 210922-9 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-9	
ESV:		Bearing [True]: 259.0° to 284.0° Bearing [Mag]: 265.0° to 290.0°				Arc Distance: Out to 80.0 NM Altitude: 7000.0 to 18000.0 ft		
5	HPW FAA 210922-10 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-10	
ESV:		Bearing [True]: 291.0° to 301.0° Bearing [Mag]: 297.0° to 307.0°				Arc Distance: Out to 53.0 NM Altitude: 3500.0 to 19000.0 ft		
6	ESV CCV [IFPA] CCV [IFPA]	N37° 20' 51.1400", W075° 59' 51.5500"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
ESV:		Bearing [True]: 272.0° to 287.0° Bearing [Mag]: 282.0° to 297.0°				Arc Distance: Out to 70.0 NM Altitude: 9800.0 to 15000.0 ft		
7	ESV CVI [IFPA] CVI [IFPA]	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	ESV CVI [IFPA]	
ESV:		Bearing [True]: 334.0° to 354.0° Bearing [Mag]: 343.0° to 3.0°				Arc Distance: Out to 75.0 NM Altitude: 9800.0 to 15000.0 ft		

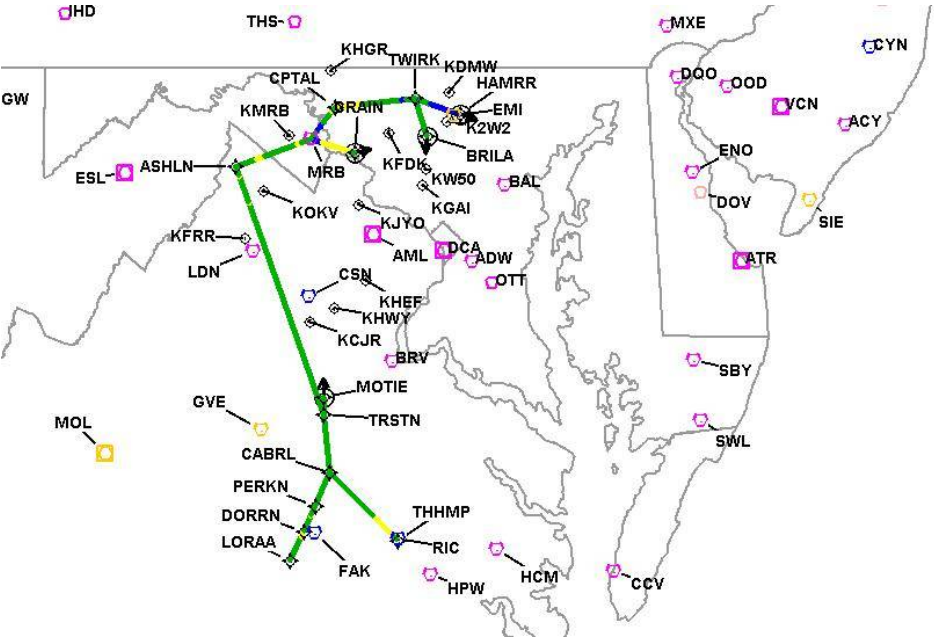
DME DME Assessment Results for TRSTN4 path TRSTN_MOTIE

DME Error



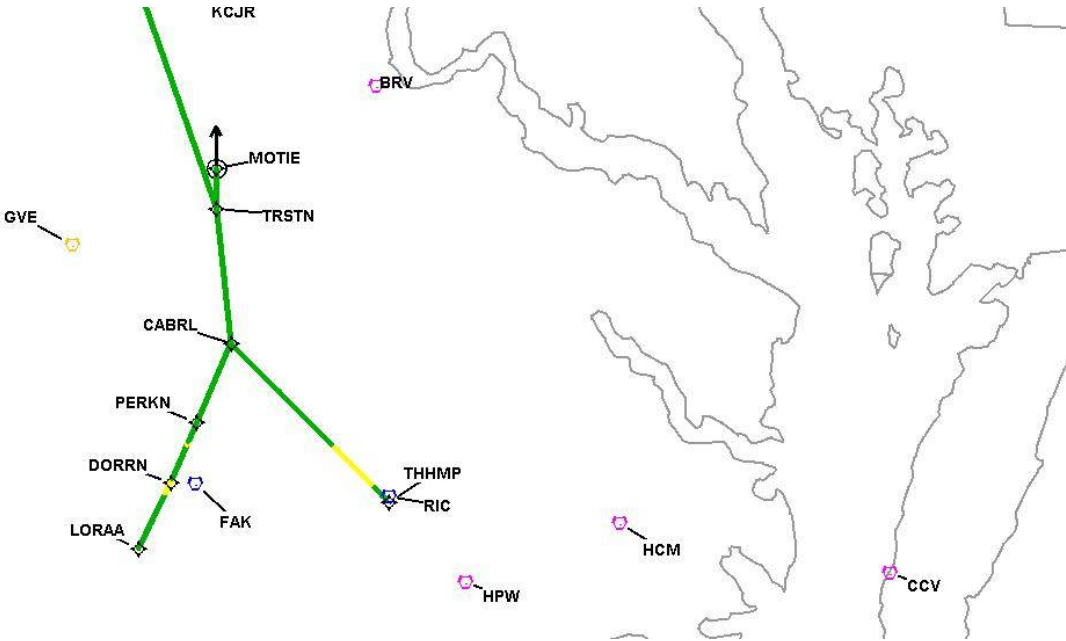
DME DME Assessment Results for TRSTN4 path TRSTN_MOTIE

Graphic Depiction 1

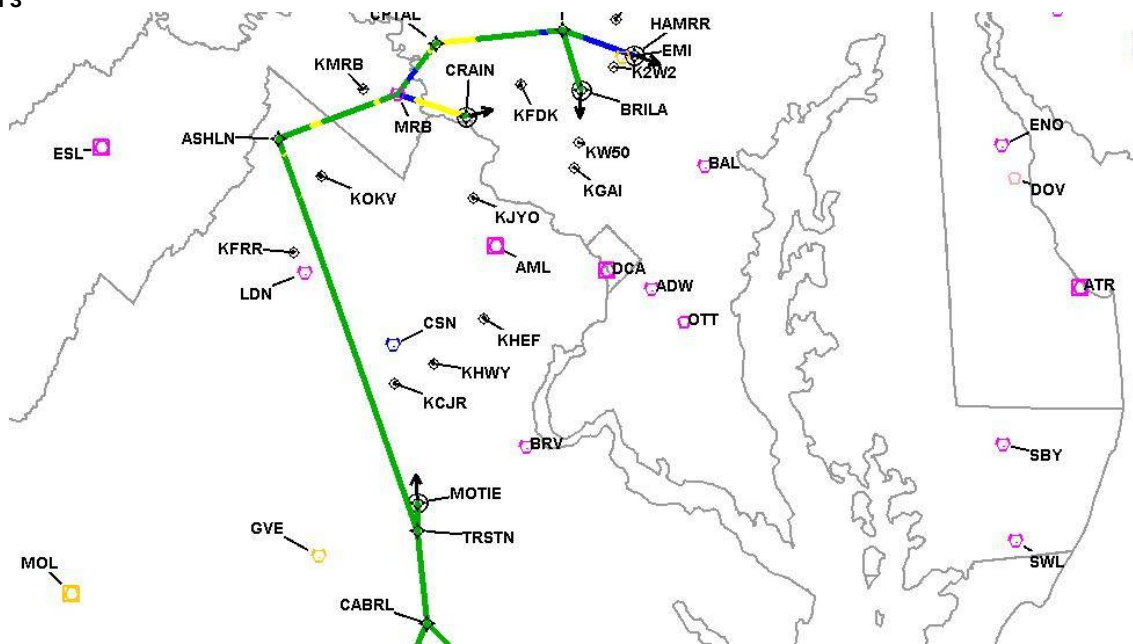


DME DME Assessment Results for TRSTN4 path TRSTN_MOTIE

Graphic Depiction 2

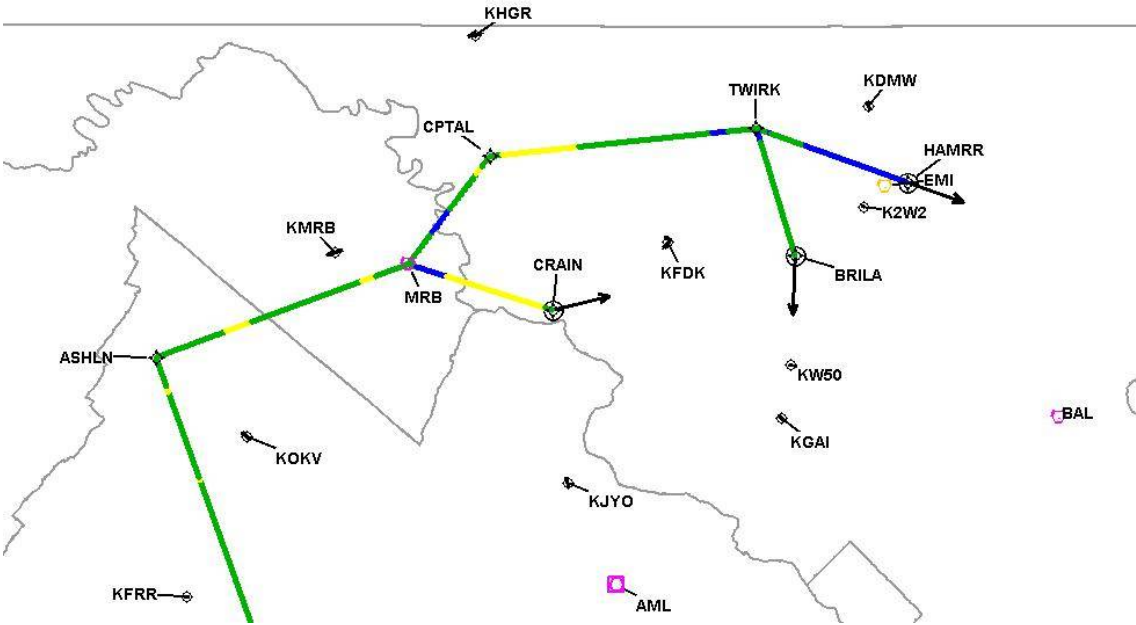


Graphic Depiction 3

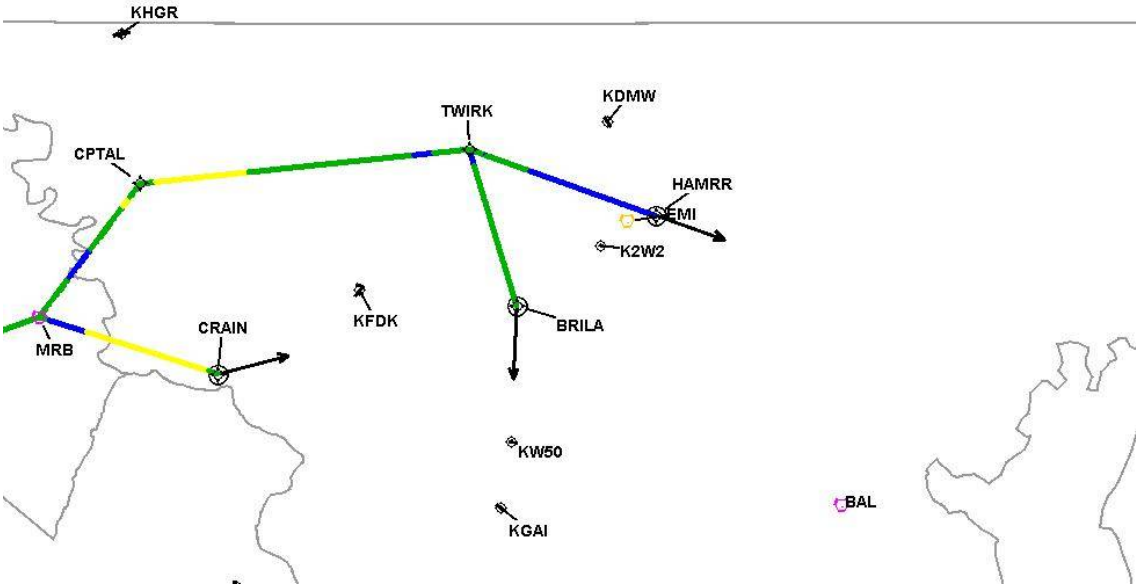


DME DME Assessment Results for TRSTN4 path TRSTN_MOTIE

Graphic Depiction 4



Graphic Depiction 5



DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR

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\KDMW TRSTN4\KDMW TRSTN4 (RNAV) STAR DME_DME_20240626.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KDMW TRSTN4\KDMW [IFPA] TRSTN4 20240701_1053 EDT\TWIRK_HAMRR\KDMW TRSTN4 RNAV STAR TWIRK HAMRR 20240701_1053 EDT.pdf
Procedure Name:	TRSTN4
Software: DmeDmePlugin:	7.3.2
Date/Time:	07/01/2024 10:53 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
TWIRK	WP	N39° 34' 36.7000", W077° 12' 44.7500"	4000	VNAV	200	FLY_BY	TF
HAMRR	WP	N39° 30' 03.4200", W076° 56' 10.8400"	4000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KDMW [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 TRSTN4 path TWIRK_HAMRR

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:	Not 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:	FKN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L	IFPA	NO	Enabled		
2	BAL	N39° 10' 15.8283", W076° 39' 40.5225"	11.0 W	40	L	IFPA	NO	Enabled		
3	FKN	N36° 42' 51.2443", W077° 00' 44.5488"	9.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BAL [IFPA]	MRB [IFPA]				
1.2						
1.3	BAL [IFPA]	MRB [IFPA]				
4.4						

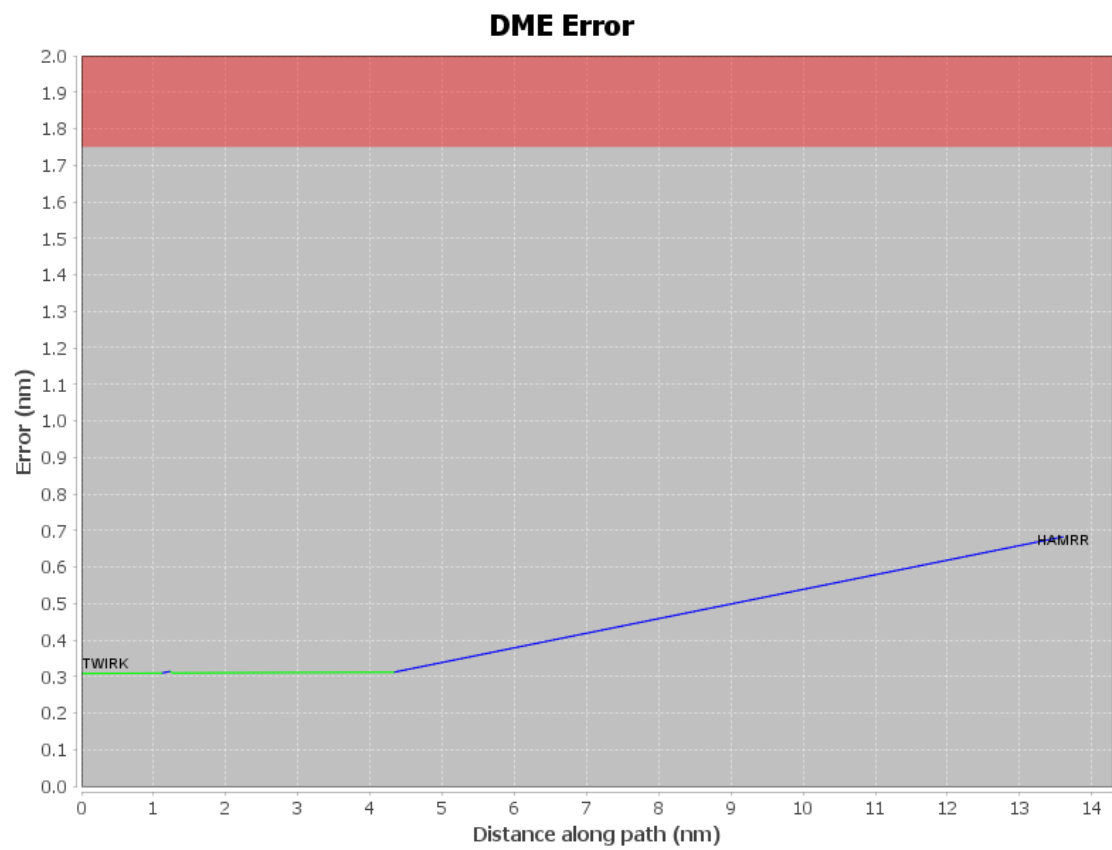
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 34' 13.3687", W077° 11' 19.4729"	N39° 34' 11.1458", W077° 11' 11.3521"	0.111
2	N39° 33' 08.8395", W077° 07' 24.0282"	N39° 30' 03.4200", W076° 56' 10.8400"	9.2142

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TWIRK	HAMRR	MRB [IFPA], BAL [IFPA]	

DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR

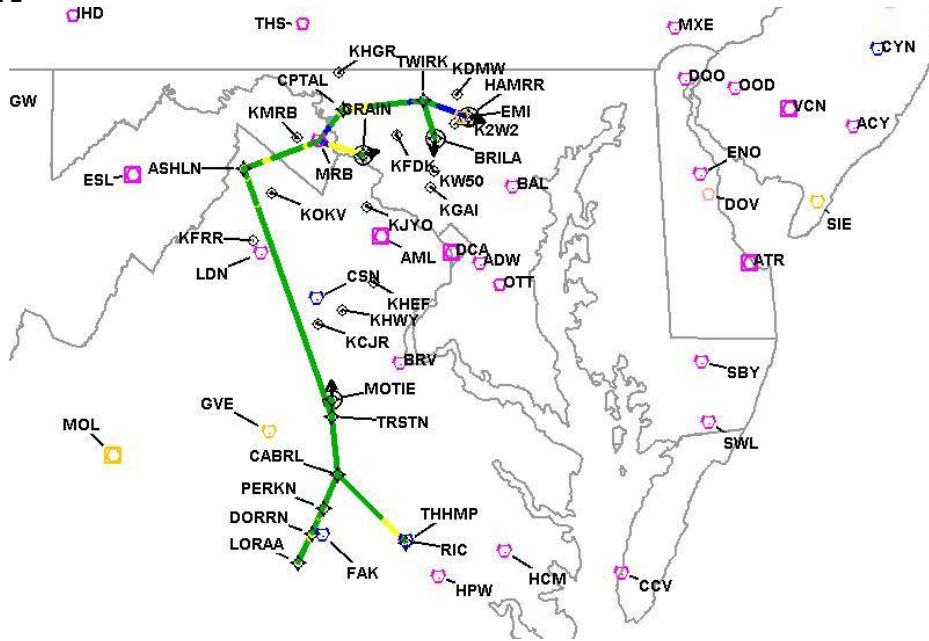
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RIC FAA 704161-22 RIC [IFPA]	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	158.3	114.1	RIC FAA 704161-22	
ESV:		Bearing [True]: 197.0° to 260.0° Bearing [Mag]: 206.0° to 269.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 14700.0 ft		
2	LVL FAA 704121-7 LVL [IFPA]	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	350	null	LVL FAA 704121-7	
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		
3	GVE FAA 698194-10 GVE [IFPA]	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	382.6	115.6	GVE FAA 698194-10	
ESV:		Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°				Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft		
4	HPW FAA 210922-9 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-9	
ESV:		Bearing [True]: 259.0° to 284.0° Bearing [Mag]: 265.0° to 290.0°				Arc Distance: Out to 80.0 NM Altitude: 7000.0 to 18000.0 ft		
5	HPW FAA 210922-10 HPW [IFPA]	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	70	114.35	HPW FAA 210922-10	
ESV:		Bearing [True]: 291.0° to 301.0° Bearing [Mag]: 297.0° to 307.0°				Arc Distance: Out to 53.0 NM Altitude: 3500.0 to 19000.0 ft		
6	ESV CCV [IFPA] CCV [IFPA]	N37° 20' 51.1400", W075° 59' 51.5500"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
ESV:		Bearing [True]: 272.0° to 287.0° Bearing [Mag]: 282.0° to 297.0°				Arc Distance: Out to 70.0 NM Altitude: 9800.0 to 15000.0 ft		
7	ESV CVI [IFPA] CVI [IFPA]	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	ESV CVI [IFPA]	
ESV:		Bearing [True]: 334.0° to 354.0° Bearing [Mag]: 343.0° to 3.0°				Arc Distance: Out to 75.0 NM Altitude: 9800.0 to 15000.0 ft		

DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR

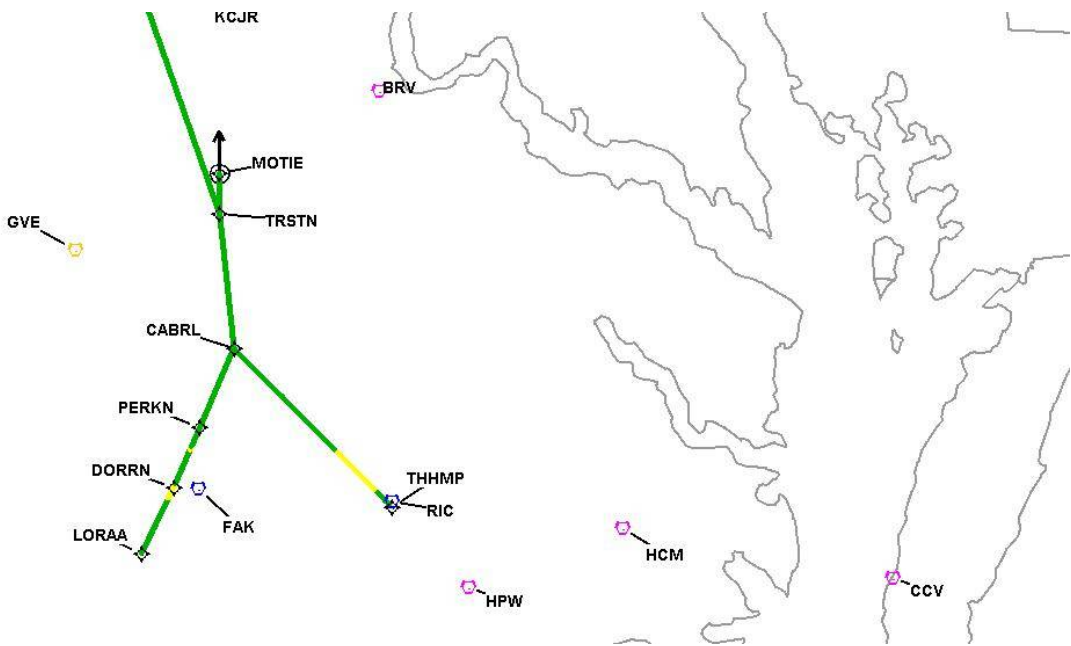


DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR

Graphic Depiction 1

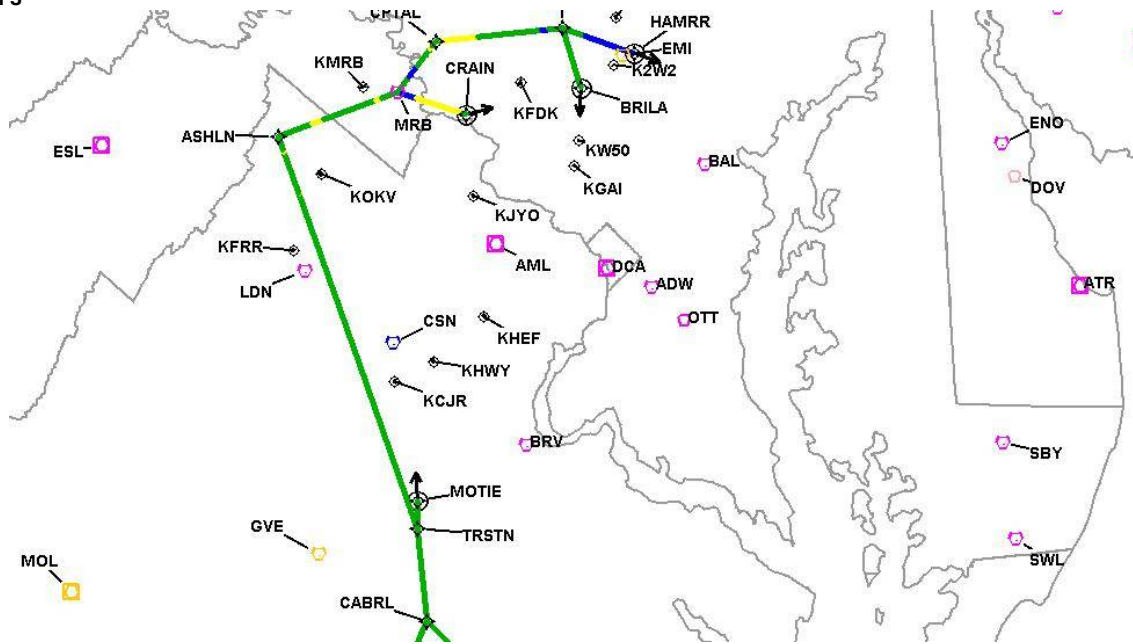


DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR



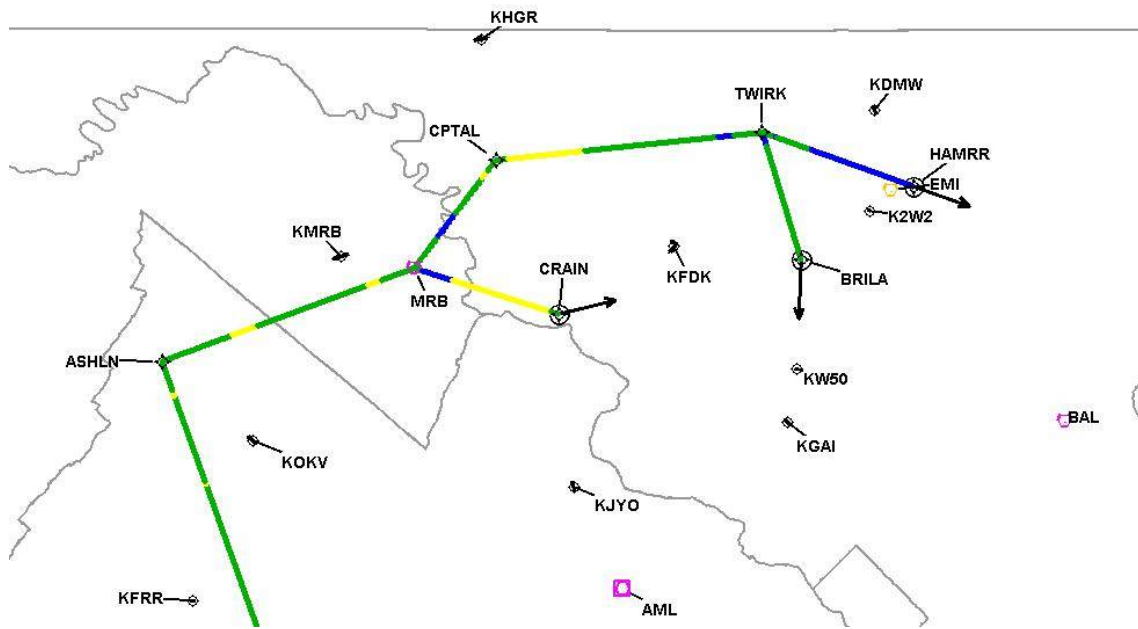
DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR

Graphic Depiction 3



DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR

Graphic Depiction 4



DME DME Assessment Results for TRSTN4 path TWIRK_HAMRR

Graphic Depiction 5

