

DME DME Assessment Results for PRTZL2 path HUSEL_YACKK

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 PRTZL2 (RNAV) SID\KIAD PRTZL2 (RNAV) STAR_DME-DME 20251210.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD PRTZL2 (RNAV) SID\KIAD [IFPA] PRTZL2 20260225_1515 EST\HUSEL_YACKK\KIAD PRTZL2 RNAV STAR HUSEL YACKK 20260225_1515 EST.pdf
Procedure Name:	PRTZL2
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/25/2026 15:15 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
HUSEL	WP	N39° 09' 51.6000", W077° 21' 27.6000"	4000	VNAV	210	FLY_BY	TF
YACKK	WP	N38° 54' 28.8000", W077° 21' 25.2000"	4000	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 PRTZL2 path HUSEL_YACKK

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	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H		NO	Enabled	89.8 %	89.8 %
2	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	71.2 %	71.2 %
3	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	100 %	100 %
4	ADW	N38° 48' 25.9900", W076° 51' 58.5200"	10.0 W	40	L		NO	Enabled	100 %	100 %
5	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	35.6 %	35.6 %
6	FDK	N39° 24' 44.0499", W077° 22' 30.4179"	8.0 W	40	L		NO	Enabled	97 %	97 %
7	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L		NO	Enabled	93.2 %	93.2 %
8	BAL	N39° 10' 15.8283", W076° 39' 40.5225"	11.0 W	40	L		NO	Enabled	100 %	100 %
9	OTT	N38° 42' 21.1352", W076° 44' 41.0854"	10.0 W	40	L		NO	Enabled	71.6 %	71.6 %
10	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	83 %	83 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ADW	EMI	FDK	BAL	DCA	AML
11.0	OTT	EMI	MRB	CSN	DCA	ADW
13.9	MRB	CSN	BAL	BRV	DCA	FDK
15.0	MRB	CSN	BRV	DCA	BAL	ADW
15.3	BRV	DCA	ADW	OTT	BAL	CSN

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

DME DME Assessment Results for PRTZL2 path HUSEL_YACKK

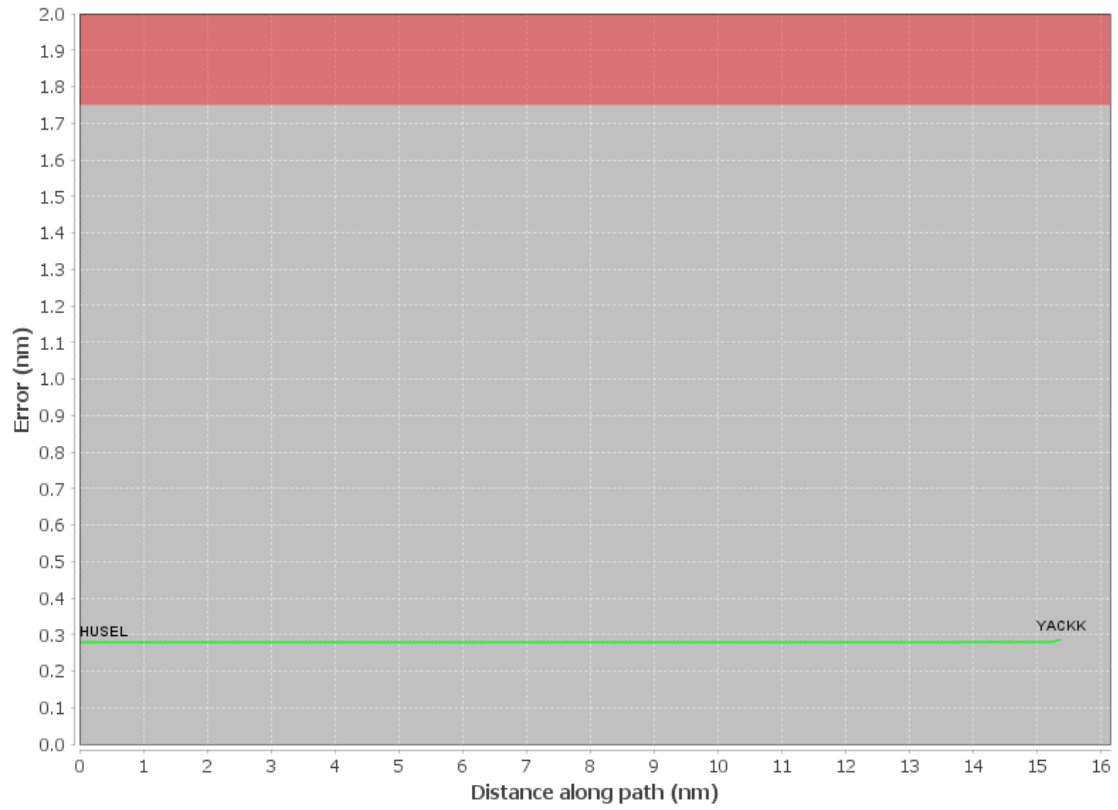
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HUSEL	YACKK	EMI, AML, DCA, ADW, BRV, FDK, MRB, BAL, OTT, CSN	

User Data Files	
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] PRTZL1 RNAV STAR_20231211_0751 EST.udt

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ETX ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX	
		ESV: Bearing [True]: 349.0° to 3.0° Bearing [Mag]: 358.0° to 12.0°				Arc Distance: Out to 45.0 NM Altitude: 5200.0 to 18800.0 ft		
2	STW STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	920	109.6	STW	
		ESV: Bearing [True]: 283.0° to 298.0° Bearing [Mag]: 294.0° to 309.0°				Arc Distance: Out to 48.0 NM Altitude: 5200.0 to 19000.0 ft		
3	ESV ETG [IFPA] ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	ESV ETG [IFPA]	
		ESV: Bearing [True]: 75.0° to 92.0° Bearing [Mag]: 85.0° to 102.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 17000.0 ft		
4	RAV RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	1750	114.6	RAV	
		ESV: Bearing [True]: 37.0° to 48.0° Bearing [Mag]: 48.0° to 59.0°				Arc Distance: Out to 61.0 NM Altitude: 5200.0 to 19800.0 ft		
5	ESV PSB [IFPA] PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	2443.4	115.5	ESV PSB [IFPA]	
		ESV: Bearing [True]: 58.0° to 76.0° Bearing [Mag]: 68.0° to 86.0°				Arc Distance: Out to 64.0 NM Altitude: 5000.0 to 10000.0 ft		

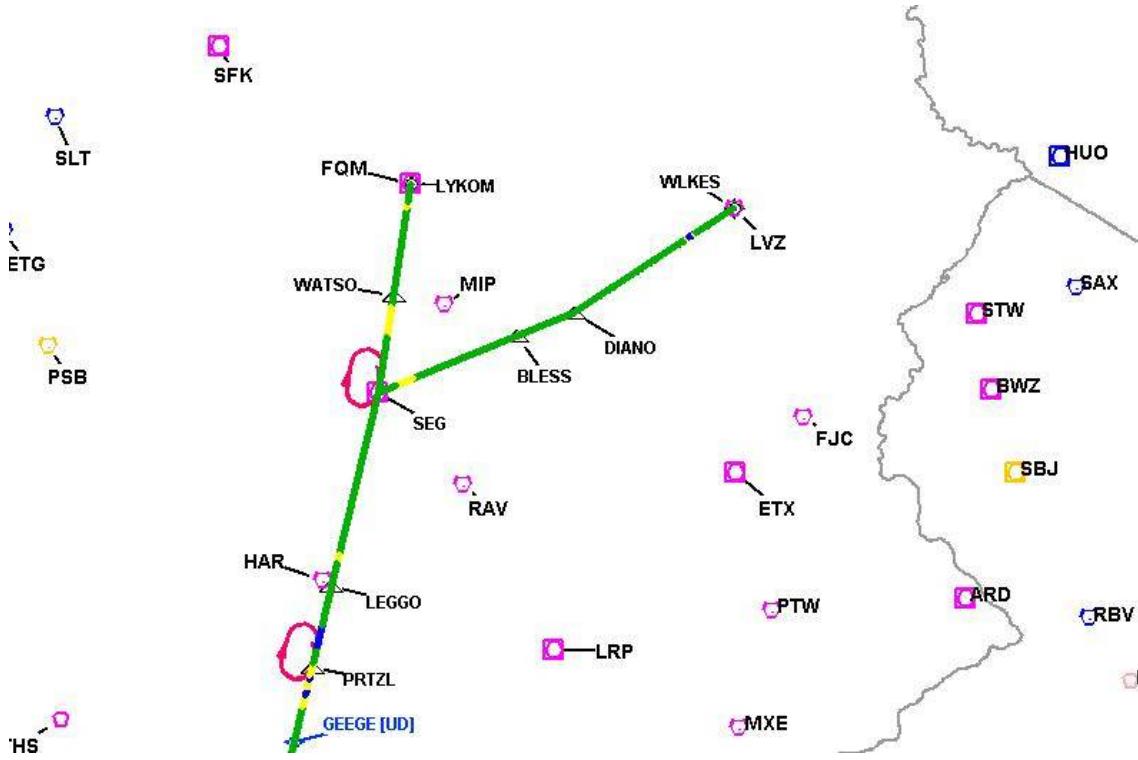
DME DME Assessment Results for PRTZL2 path HUSEL_YACKK

DME Error



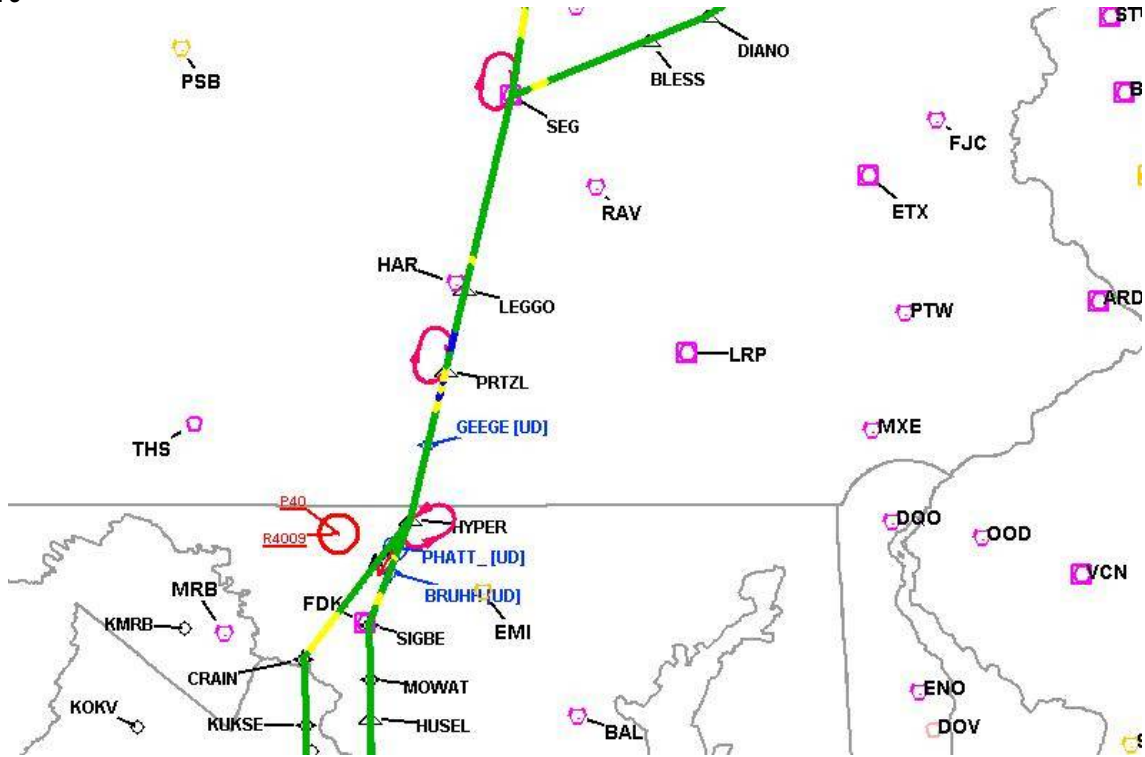
DME DME Assessment Results for PRTZL2 path HUSEL_YACKK

Graphic Depiction 2



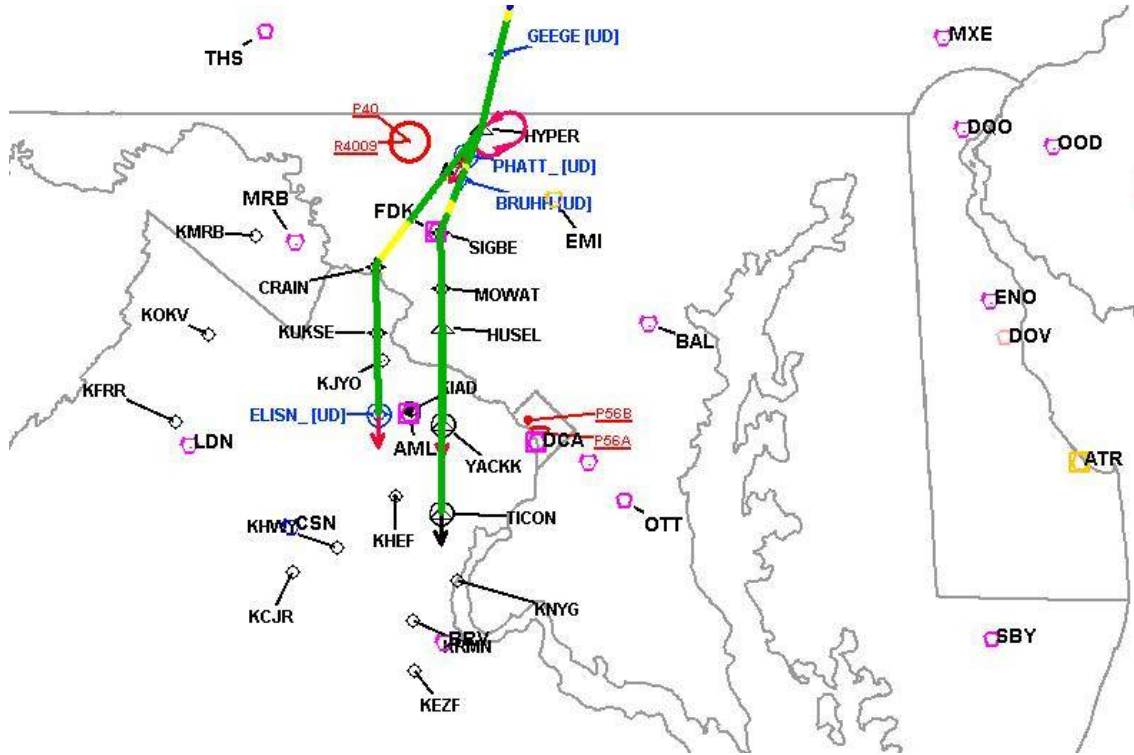
DME DME Assessment Results for PRTZL2 path HUSEL_YACKK

Graphic Depiction 3



DME DME Assessment Results for PRTZL2 path HUSEL_YACKK

Graphic Depiction 4



DME DME Assessment Results for PRTZL2 path HYPER_ELISN_

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 PRTZL2 (RNAV) SID\KIAD PRTZL2 (RNAV) STAR_DME-DME 20251210.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD PRTZL2 (RNAV) SID\KIAD [IFPA] PRTZL2 20260225_1515 EST\HYPER_ELISN_ \KIAD PRTZL2 RNAV STAR HYPER ELISN_ 20260225_1515 EST.pdf
Procedure Name:	PRTZL2
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/25/2026 15:15 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
HYPER	WP	N39° 41' 02.1600", W077° 13' 30.3400"	5000	VNAV	210	FLY_BY	TF
CRAIN	WP	N39° 19' 14.4654", W077° 35' 01.2513"	5000	VNAV	200	FLY_BY	TF
KUKSE	WP	N39° 08' 50.8600", W077° 34' 28.6500"	5000	VNAV	200	FLY_BY	TF
ELISN_	WP	N38° 56' 04.5279", W077° 34' 25.5630"	4000	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 PRTZL2 path HYPER_ELISN_

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	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H		NO	Enabled	81.3 %	81.8 %
2	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	76 %	75.7 %
3	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	60.3 %	59.5 %
4	ADW	N38° 48' 25.9900", W076° 51' 58.5200"	10.0 W	40	L		NO	Enabled	15 %	14.6 %
5	LDN	N38° 51' 15.8344", W078° 12' 20.0559"	6.0 W	40	L		NO	Enabled	35 %	34.1 %
6	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	2.8 %	2.7 %
7	HAR	N40° 18' 08.0630", W077° 04' 10.4120"	10.0 W	40	L		NO	Enabled	0.6 %	0.6 %
8	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L		NO	Enabled	100 %	100 %
9	FDK	N39° 24' 44.0499", W077° 22' 30.4179"	8.0 W	40	L		NO	Enabled	90.9 %	90.7 %
10	THS	N39° 55' 59.6210", W077° 57' 03.4000"	7.0 W	40	L		NO	Enabled	33.2 %	33.9 %
11	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	37 %	36.1 %

DME DME Assessment Results for PRTZL2 path HYPER_ELISN_

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MRB	EMI	FDK	HAR		
0.3	MRB	EMI	FDK			
3.4	FDK	THS	EMI	MRB		
9.4	AML	EMI	FDK	MRB	THS	
13.2	AML	EMI	MRB	FDK		
14.2	AML	EMI	MRB			
18.9	AML	EMI	MRB	FDK	DCA	THS
26.4	AML	EMI	FDK	MRB		
27.9	AML	EMI	FDK	DCA	MRB	
41.4	DCA	CSN	FDK	AML	LDN	MRB
47.8	FDK	ADW	DCA	MRB	LDN	CSN

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HYPER	CRAIN	EMI, AML, DCA, HAR, MRB, FDK, THS	
CRAIN	KUKSE	AML, EMI, DCA, LDN, MRB, FDK, CSN	
KUKSE	ELISN_	EMI, AML, DCA, ADW, LDN, BRV, MRB, FDK, CSN	

User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKIAD [IFPA] PRTZL1 RNAV STAR_20231211_0751 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ETX ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX	
	ESV:	Bearing [True]: 349.0° to 3.0° Bearing [Mag]: 358.0° to 12.0°				Arc Distance: Out to 45.0 NM Altitude: 5200.0 to 18800.0 ft		
2	STW STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	920	109.6	STW	
	ESV:	Bearing [True]: 283.0° to 298.0° Bearing [Mag]: 294.0° to 309.0°				Arc Distance: Out to 48.0 NM Altitude: 5200.0 to 19000.0 ft		
3	ESV ETG [IFPA] ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	ESV ETG [IFPA]	
	ESV:	Bearing [True]: 75.0° to 92.0° Bearing [Mag]: 85.0° to 102.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 17000.0 ft		
4	RAV RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	1750	114.6	RAV	
	ESV:	Bearing [True]: 37.0° to 48.0° Bearing [Mag]: 48.0° to 59.0°				Arc Distance: Out to 61.0 NM Altitude: 5200.0 to 19800.0 ft		
5	ESV PSB [IFPA] PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	2443.4	115.5	ESV PSB [IFPA]	
	ESV:	Bearing [True]: 58.0° to 76.0° Bearing [Mag]: 68.0° to 86.0°				Arc Distance: Out to 64.0 NM Altitude: 5000.0 to 10000.0 ft		

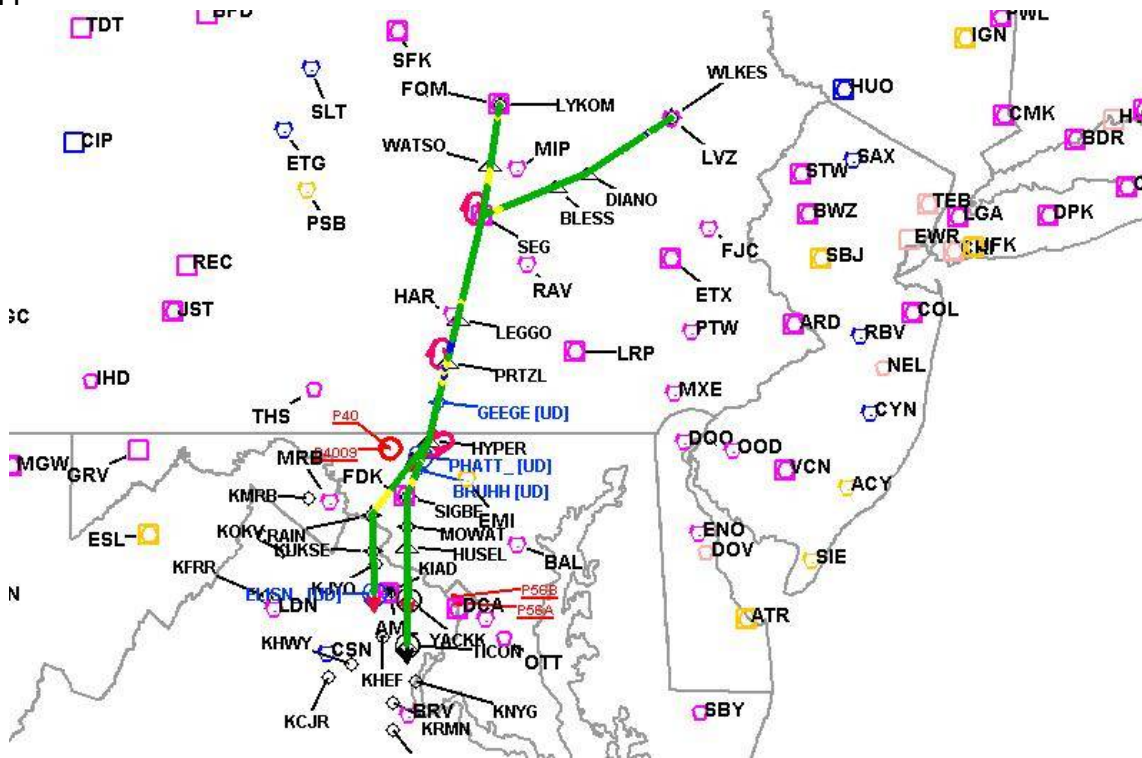
DME DME Assessment Results for PRTZL2 path HYPER_ELISN_

DME Error



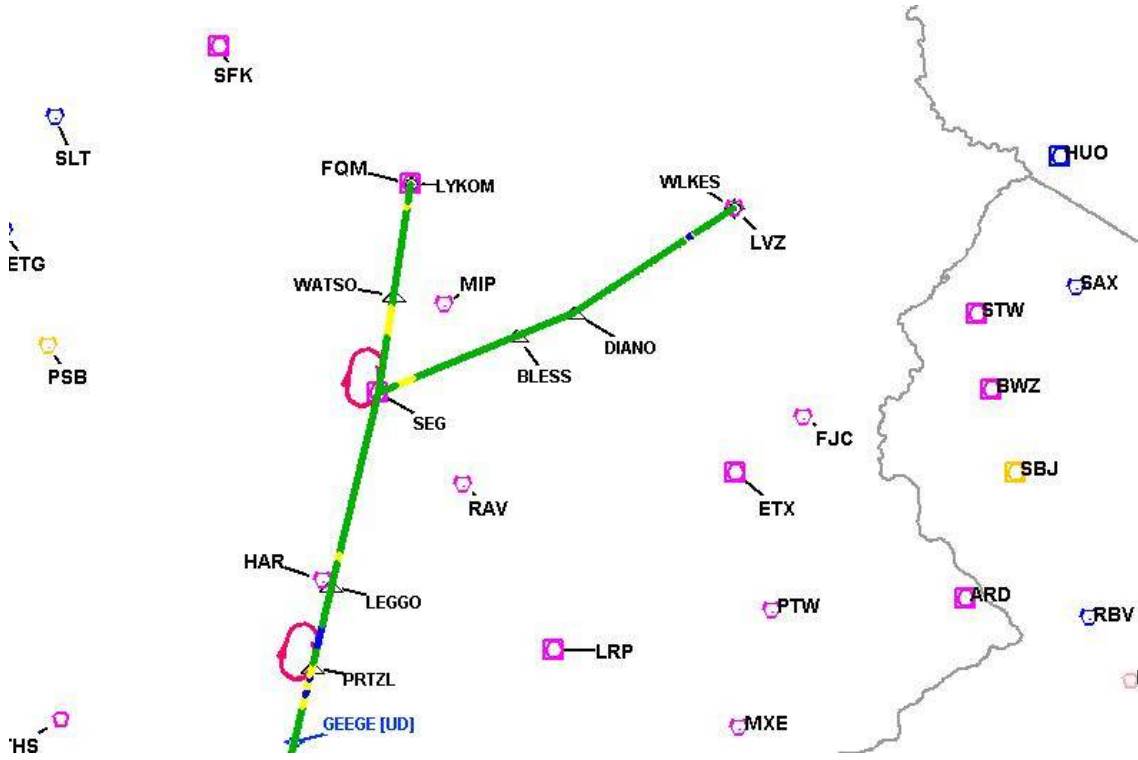
DME DME Assessment Results for PRTZL2 path HYPER_ELISN_

Graphic Depiction 1



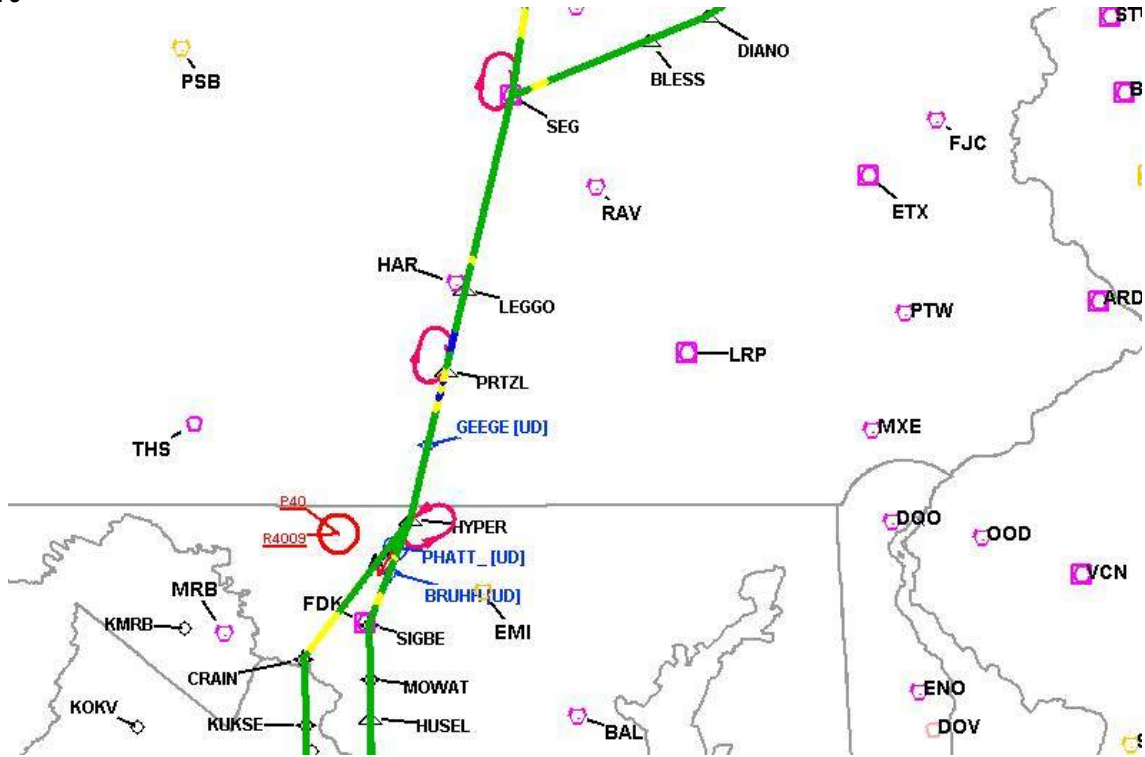
DME DME Assessment Results for PRTZL2 path HYPER_ELISN_

Graphic Depiction 2



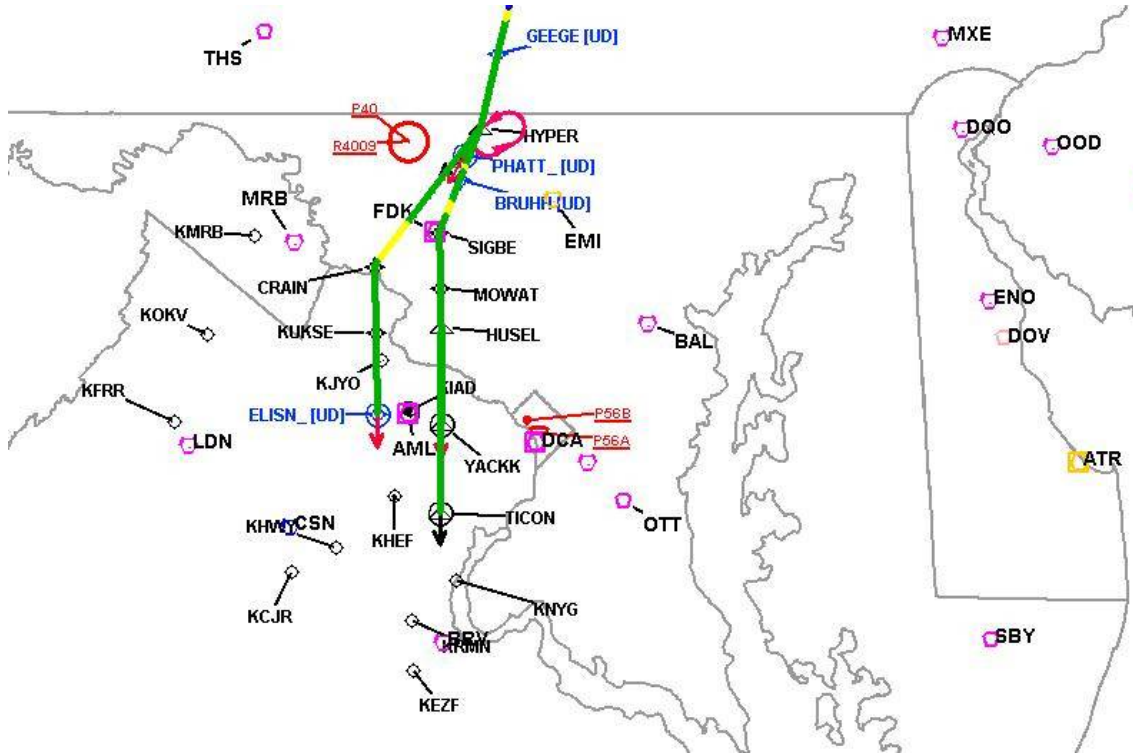
DME DME Assessment Results for PRTZL2 path HYPER_ELISN_

Graphic Depiction 3



DME DME Assessment Results for PRTZL2 path HYPER_ELISN_

Graphic Depiction 4



DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

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 PRTZL2 (RNAV) SID\KIAD PRTZL2 (RNAV) STAR_DME-DME 20251210.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD PRTZL2 (RNAV) SID\KIAD [IFPA] PRTZL2 20260225_1515 EST\HYPER_LYKOM\KIAD PRTZL2 RNAV STAR HYPER LYKOM 20260225_1515 EST.pdf
Procedure Name:	PRTZL2
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/25/2026 15:15 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
HYPER	WP	N39° 41' 02.1600", W077° 13' 30.3400"	5000	VNAV	210	FLY_BY	TF
GEEGE	WP	N39° 52' 44.8500", W077° 09' 59.5600"	5000	VNAV	210	FLY_BY	TF
PRTZL	WP	N40° 04' 20.1700", W077° 06' 24.1600"	5000	VNAV	210	FLY_BY	TF
LEGGO	WP	N40° 17' 16.0100", W077° 02' 25.6500"	5000	VNAV	210	FLY_BY	TF
SEG	WP	N40° 47' 27.0931", W076° 53' 02.5495"	5000	VNAV	210	FLY_BY	TF
WATSO	WP	N41° 02' 46.3100", W076° 50' 00.1000"	5200	VNAV	210	FLY_BY	TF
LYKOM	WP	N41° 20' 18.7500", W076° 46' 30.3000"	5200	VNAV	210	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 PRTZL2 path HYPER_LYKOM

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	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H		NO	Enabled	24.9 %	24.9 %
2	FQM	N41° 20' 18.8106", W076° 46' 29.5197"	9.0 W	40	L		NO	Enabled	28 %	28 %
3	RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	L		NO	Enabled	61.9 %	61.9 %
4	LRP	N40° 07' 11.9119", W076° 17' 28.6633"	9.0 W	40	L		NO	Enabled	15 %	15 %
5	FDK	N39° 24' 44.0499", W077° 22' 30.4179"	8.0 W	40	L		NO	Enabled	20.3 %	20.3 %
6	SEG	N40° 47' 27.0931", W076° 53' 02.5495"	8.0 W	40	L		NO	Enabled	56.2 %	56.2 %
7	MIP	N41° 01' 24.2109", W076° 39' 55.0438"	9.0 W	40	L		NO	Enabled	55.2 %	55.2 %
8	HAR	N40° 18' 08.0630", W077° 04' 10.4120"	10.0 W	40	L		NO	Enabled	46.9 %	46.9 %
9	ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	H		NO	Enabled	5.8 %	5.8 %
10	SFK	N41° 41' 42.9115", W077° 25' 11.6608"	8.0 W	40	L		NO	Enabled	1.8 %	1.8 %
11	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L		NO	Enabled	4.5 %	4.5 %
12	THS	N39° 55' 59.6210", W077° 57' 03.4000"	7.0 W	40	L		NO	Enabled	9.4 %	9.4 %
13	PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	H		NO	Enabled	10.8 %	10.8 %

DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MRB	EMI	FDK	HAR		
4.6	FDK	EMI				
5.0	FDK	THS	HAR	EMI		
9.6	FDK	EMI				
17.5	LRP	EMI	THS	HAR	FDK	
19.4						
20.7	LRP	EMI	THS	HAR	FDK	RAV
22.0						
22.7	THS	EMI	LRP	HAR	RAV	
24.7	RAV	EMI				
27.5						
30.5	RAV	SEG				
30.8	HAR	LRP	SEG	RAV		
34.7	SEG	LRP	RAV			
40.0	RAV	SEG				
40.9	SEG	LRP	HAR	RAV		
42.1	RAV	SEG				
45.5	RAV	SEG	MIP			
49.2	RAV	SEG	HAR	MIP		
61.9	RAV	MIP	HAR	SEG	FQM	
62.7	RAV	MIP	HAR	FQM		
70.4	RAV	MIP	HAR			
71.2	RAV	MIP	HAR	SEG		
71.9	RAV	MIP	HAR			
74.1	RAV	MIP	HAR	FQM		
77.2	RAV	MIP	SEG	FQM	HAR	
77.7	RAV	MIP	SEG	FQM		
86.6	MIP	FQM	SEG			
87.1	SEG	MIP				
90.5	PSB	RAV	SEG	FQM	MIP	
91.3	PSB	MIP	SEG	FQM		
91.7	ETG	SEG	FQM	PSB	MIP	
96.7	PSB	MIP	SEG			
97.4	PSB	MIP	ETG	SEG	FQM	SFK
98.4	PSB	MIP	SEG			
100.5	PSB	MIP	SFK	SEG		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 59' 55.6251", W077° 07' 46.2601"	N40° 01' 13.6339", W077° 07' 22.0694"	1.3356
2	N40° 02' 28.2495", W077° 06' 58.9162"	N40° 03' 08.9483", W077° 06' 46.2812"	0.6968
3	N40° 07' 47.7574", W077° 05' 20.4958"	N40° 10' 44.7079", W077° 04' 26.1397"	3.0277

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HYPER	GEEGE	EMI, HAR, MRB, FDK, THS	
GEEGE	PRTZL	EMI, RAV, HAR, LRP, FDK, THS	
PRTZL	LEGGO	EMI, SEG, RAV, HAR, LRP, THS	
LEGGO	SEG	FQM, SEG, MIP, RAV, HAR, LRP	
SEG	WATSO	FQM, SEG, MIP, RAV, HAR	
WATSO	LYKOM	FQM, SEG, MIP, RAV, ETG, SFK, PSB	

DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

User Data Files

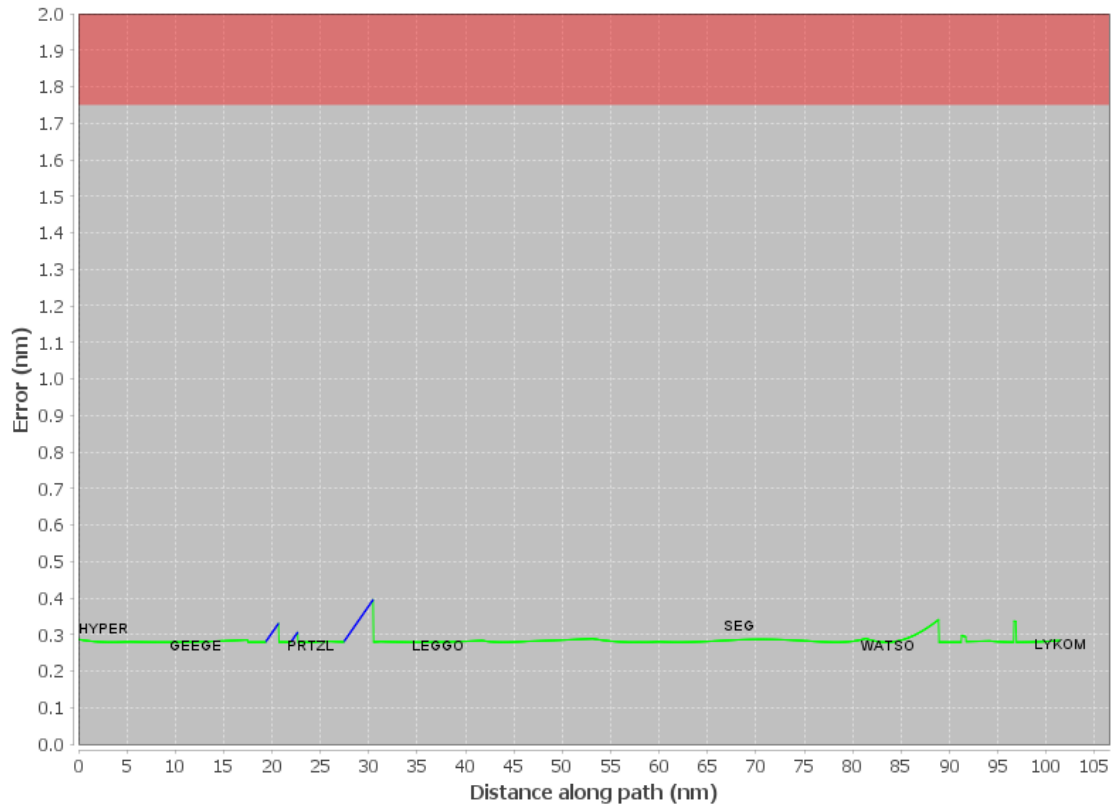
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] PRTZL1 RNAV STAR_20231211_0751 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ETX ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX	
	ESV:	Bearing [True]: 349.0° to 3.0° Bearing [Mag]: 358.0° to 12.0°				Arc Distance: Out to 45.0 NM Altitude: 5200.0 to 18800.0 ft		
2	STW STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	920	109.6	STW	
	ESV:	Bearing [True]: 283.0° to 298.0° Bearing [Mag]: 294.0° to 309.0°				Arc Distance: Out to 48.0 NM Altitude: 5200.0 to 19000.0 ft		
3	ESV ETG [IFPA] ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	ESV ETG [IFPA]	
	ESV:	Bearing [True]: 75.0° to 92.0° Bearing [Mag]: 85.0° to 102.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 17000.0 ft		
4	RAV RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	1750	114.6	RAV	
	ESV:	Bearing [True]: 37.0° to 48.0° Bearing [Mag]: 48.0° to 59.0°				Arc Distance: Out to 61.0 NM Altitude: 5200.0 to 19800.0 ft		
5	ESV PSB [IFPA] PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	2443.4	115.5	ESV PSB [IFPA]	
	ESV:	Bearing [True]: 58.0° to 76.0° Bearing [Mag]: 68.0° to 86.0°				Arc Distance: Out to 64.0 NM Altitude: 5000.0 to 10000.0 ft		

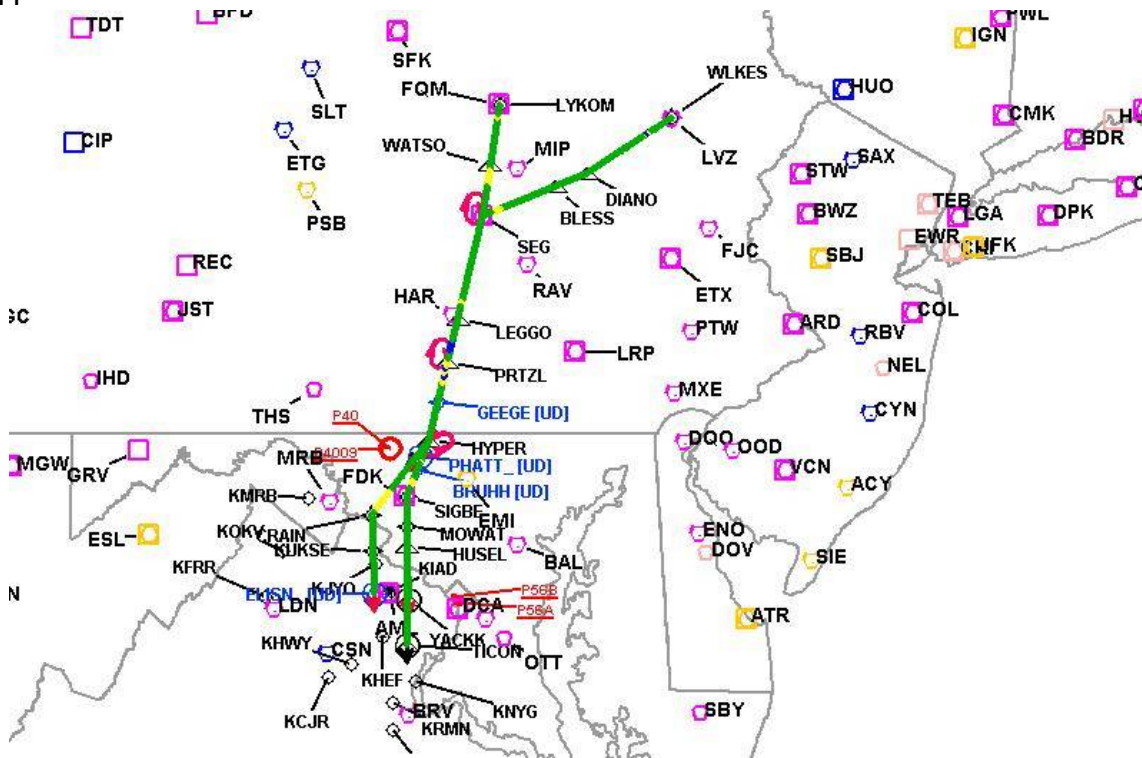
DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

DME Error



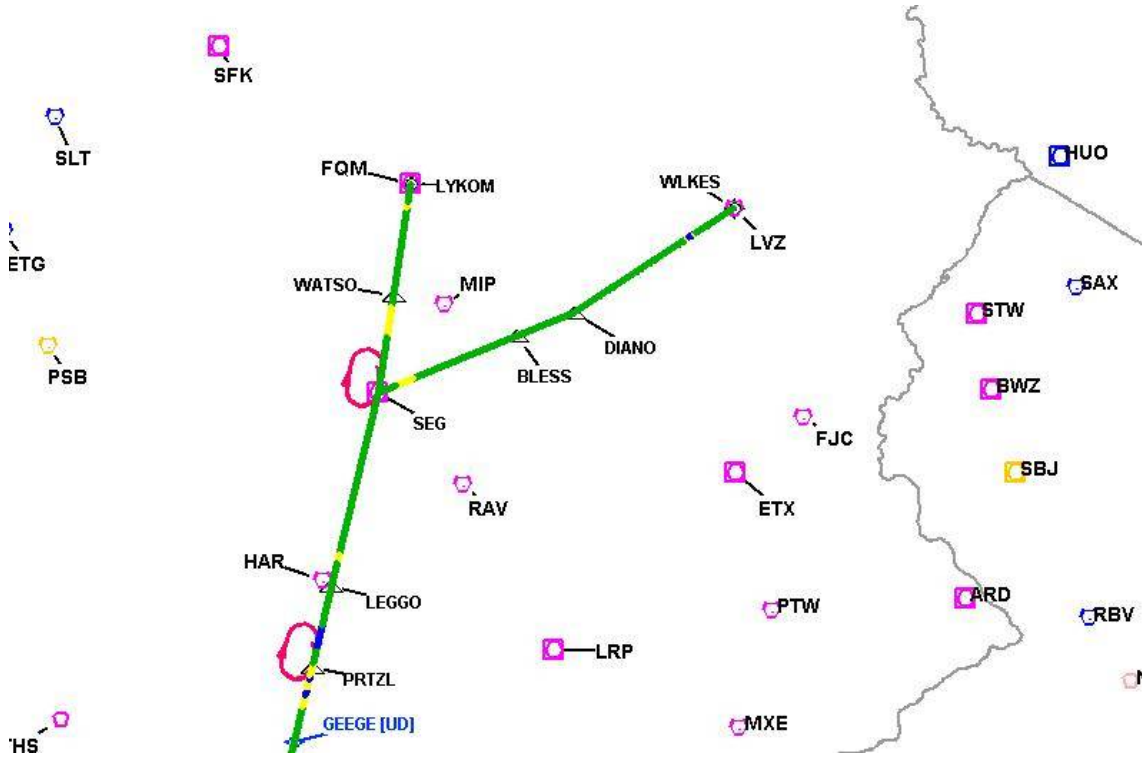
DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

Graphic Depiction 1



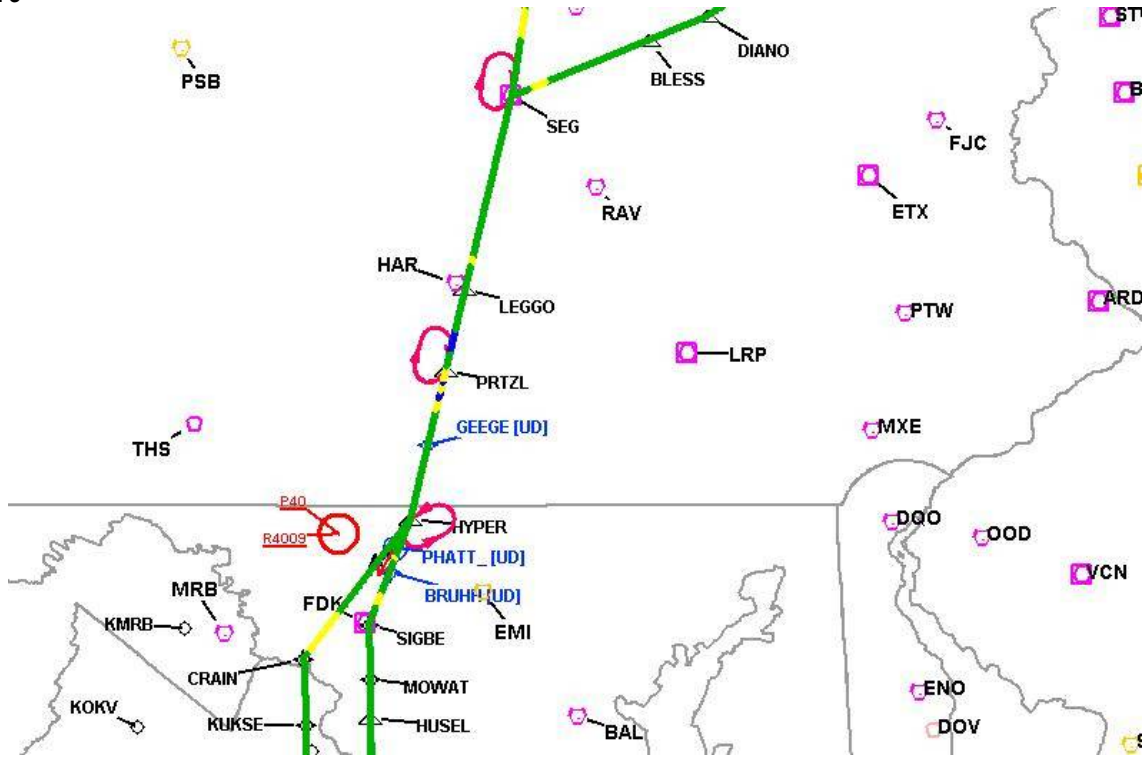
DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

Graphic Depiction 2



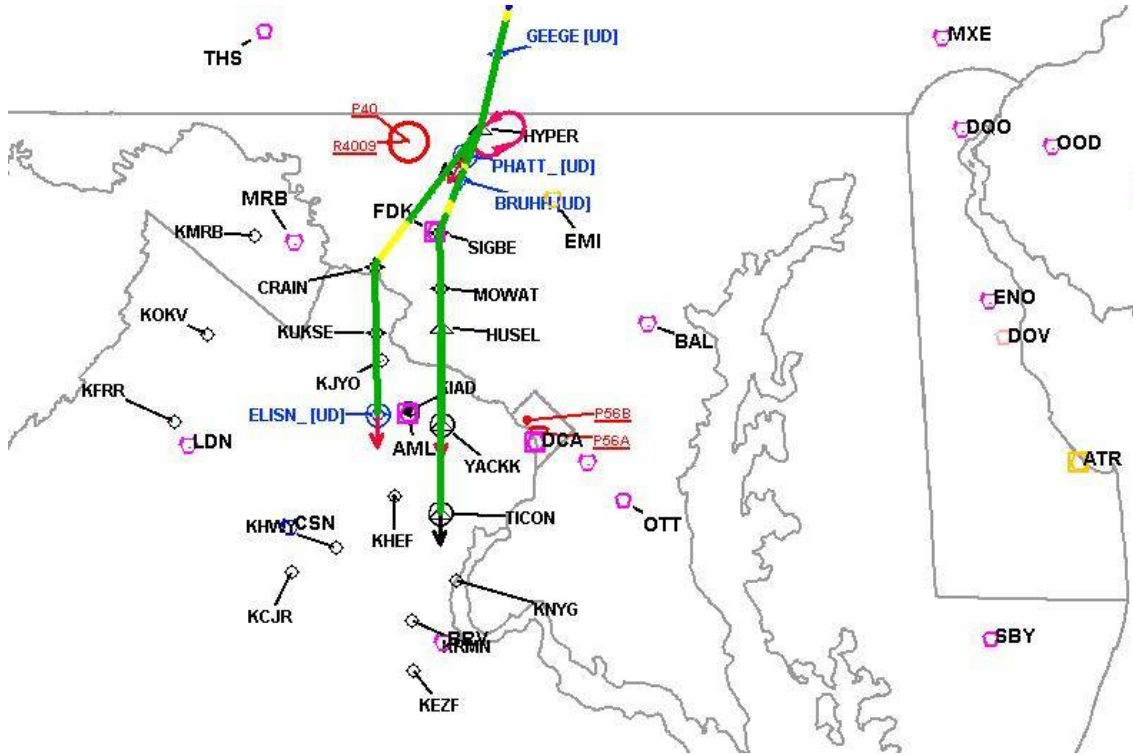
DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

Graphic Depiction 3



DME DME Assessment Results for PRTZL2 path HYPER_LYKOM

Graphic Depiction 4



DME DME Assessment Results for PRTZL2 path HYPER_PHATT_

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 PRTZL2 (RNAV) SID\KIAD PRTZL2 (RNAV) STAR_DME-DME 20251210.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD PRTZL2 (RNAV) SID\KIAD [IFPA] PRTZL2 20260225_1515 EST\HYPER_PHATT_\KIAD PRTZL2 RNAV STAR HYPER PHATT_ 20260225_1515 EST.pdf
Procedure Name:	PRTZL2
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/25/2026 15:15 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
HYPER	WP	N39° 41' 02.1600", W077° 13' 30.3400"	5000	VNAV	210	FLY_BY	TF
PHATT_	WP	N39° 36' 42.0917", W077° 16' 44.4347"	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 PRTZL2 path HYPER_PHATT_

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	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H		NO	Enabled	100 %	100 %
2	HAR	N40° 18' 08.0630", W077° 04' 10.4120"	10.0 W	40	L		NO	Enabled	15.1 %	15.1 %
3	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L		NO	Enabled	100 %	100 %
4	FDK	N39° 24' 44.0499", W077° 22' 30.4179"	8.0 W	40	L		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MRB	EMI	FDK	HAR		
0.8	MRB	EMI	FDK			

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HYPER	PHATT_	EMI, HAR, MRB, FDK	

DME DME Assessment Results for PRTZL2 path HYPER_PHATT_

User Data Files

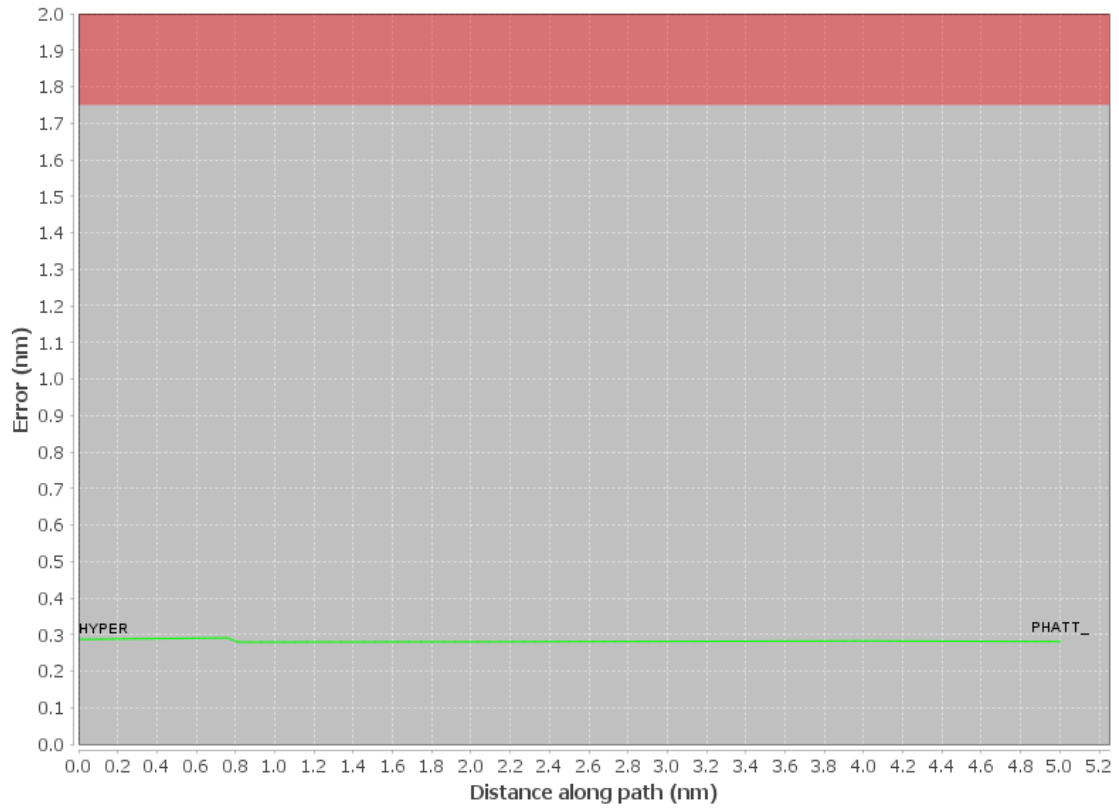
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] PRTZL1 RNAV STAR_20231211_0751 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ETX ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX	
	ESV:	Bearing [True]: 349.0° to 3.0° Bearing [Mag]: 358.0° to 12.0°				Arc Distance: Out to 45.0 NM Altitude: 5200.0 to 18800.0 ft		
2	STW STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	920	109.6	STW	
	ESV:	Bearing [True]: 283.0° to 298.0° Bearing [Mag]: 294.0° to 309.0°				Arc Distance: Out to 48.0 NM Altitude: 5200.0 to 19000.0 ft		
3	ESV ETG [IFPA] ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	ESV ETG [IFPA]	
	ESV:	Bearing [True]: 75.0° to 92.0° Bearing [Mag]: 85.0° to 102.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 17000.0 ft		
4	RAV RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	1750	114.6	RAV	
	ESV:	Bearing [True]: 37.0° to 48.0° Bearing [Mag]: 48.0° to 59.0°				Arc Distance: Out to 61.0 NM Altitude: 5200.0 to 19800.0 ft		
5	ESV PSB [IFPA] PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	2443.4	115.5	ESV PSB [IFPA]	
	ESV:	Bearing [True]: 58.0° to 76.0° Bearing [Mag]: 68.0° to 86.0°				Arc Distance: Out to 64.0 NM Altitude: 5000.0 to 10000.0 ft		

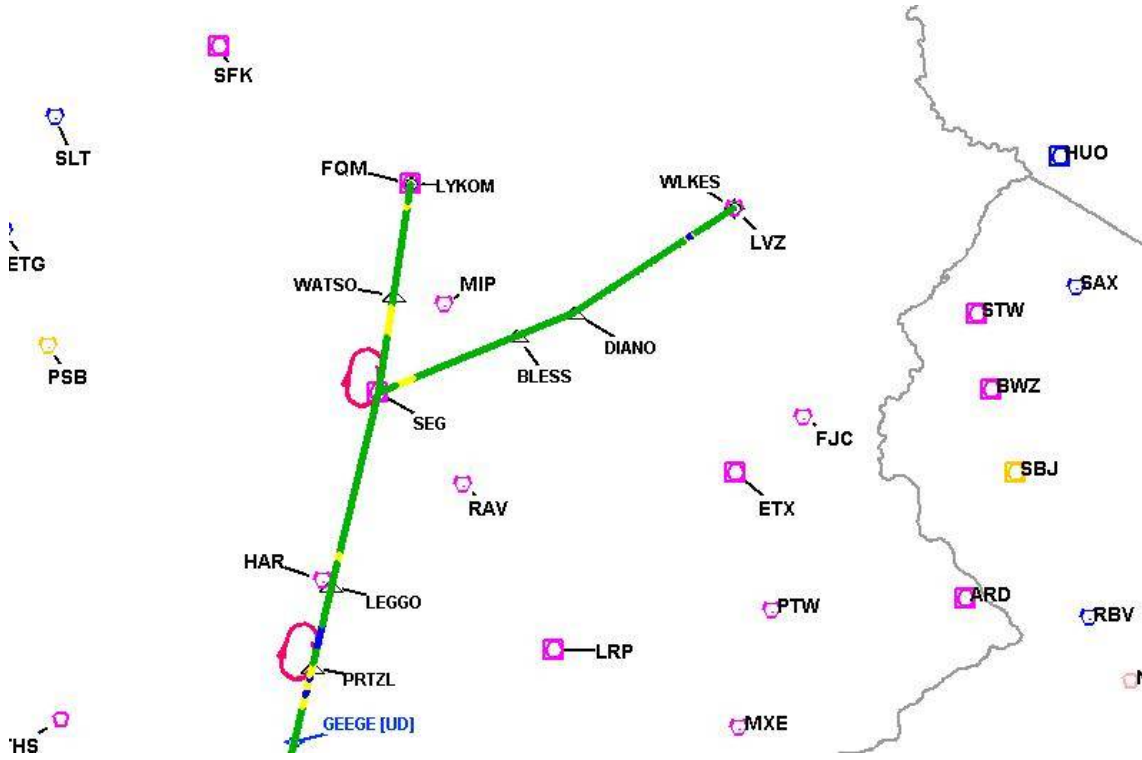
DME DME Assessment Results for PRTZL2 path HYPER_PHATT_

DME Error



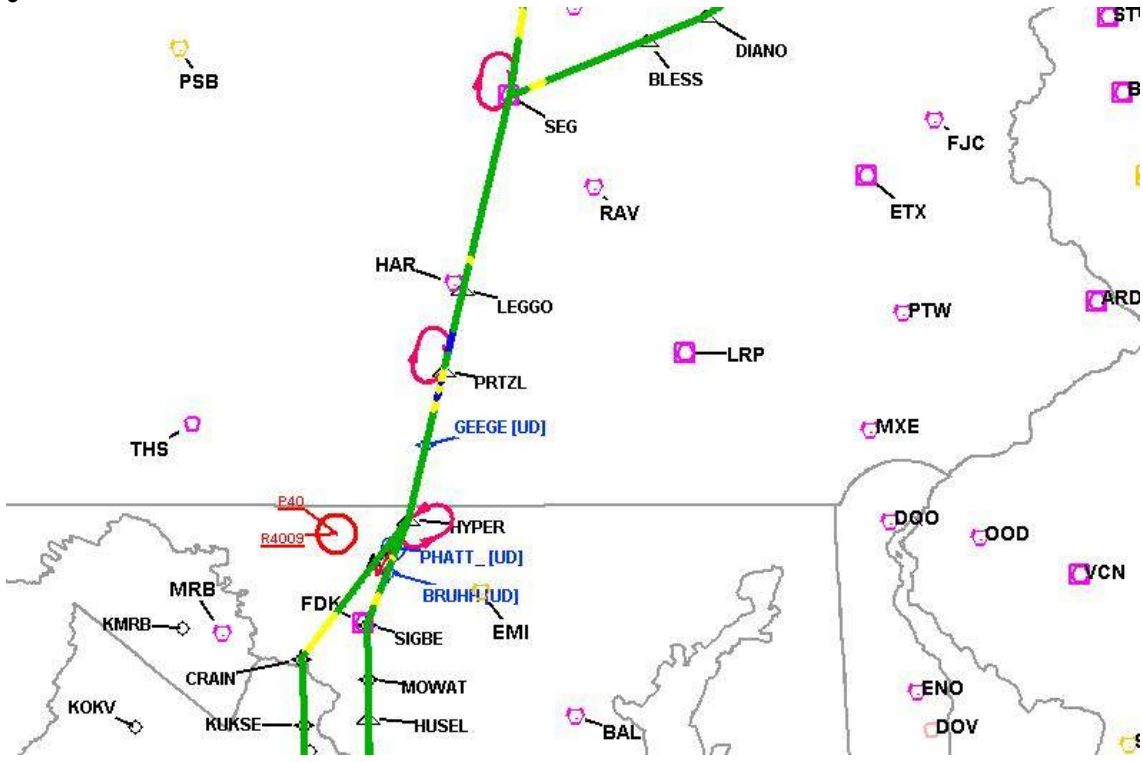
DME DME Assessment Results for PRTZL2 path HYPER_PHATT_

Graphic Depiction 2



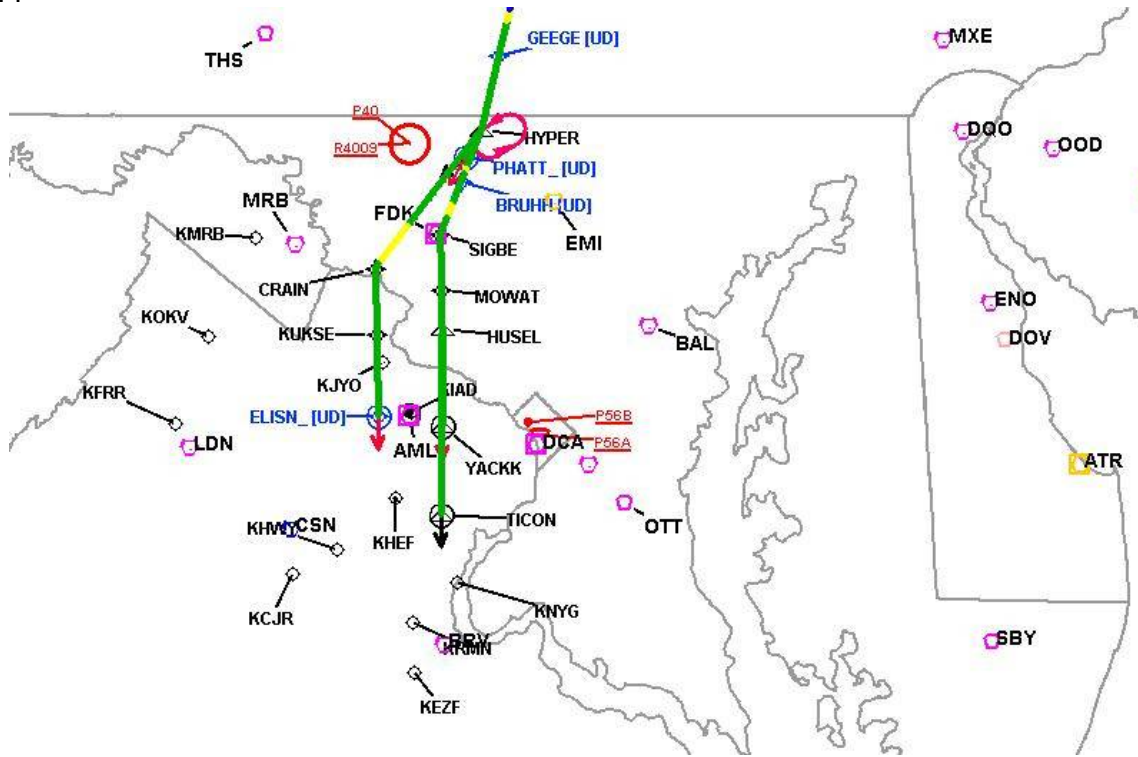
DME DME Assessment Results for PRTZL2 path HYPER_PHATT_

Graphic Depiction 3



DME DME Assessment Results for PRTZL2 path HYPER_PHATT_

Graphic Depiction 4



DME DME Assessment Results for PRTZL2 path HYPER_WLKES

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 PRTZL2 (RNAV) SID\KIAD PRTZL2 (RNAV) STAR_DME-DME 20251210.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD PRTZL2 (RNAV) SID\KIAD [IFPA] PRTZL2 20260225_1515 EST\HYPER_WLKES\KIAD PRTZL2 RNAV STAR HYPER WLKES 20260225_1515 EST.pdf
Procedure Name:	PRTZL2
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/25/2026 15:15 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
HYPER	WP	N39° 41' 02.1600", W077° 13' 30.3400"	5000	VNAV	210	FLY_BY	TF
GEEGE	WP	N39° 52' 44.8500", W077° 09' 59.5600"	5000	VNAV	210	FLY_BY	TF
PRTZL	WP	N40° 04' 20.1700", W077° 06' 24.1600"	5000	VNAV	210	FLY_BY	TF
LEGGO	WP	N40° 17' 16.0100", W077° 02' 25.6500"	5000	VNAV	210	FLY_BY	TF
SEG	WP	N40° 47' 27.0931", W076° 53' 02.5495"	5000	VNAV	210	FLY_BY	TF
BLESS	WP	N40° 56' 21.2100", W076° 25' 12.5100"	5000	VNAV	210	FLY_BY	TF
DIANO	WP	N41° 00' 01.9900", W076° 13' 33.7800"	5300	VNAV	210	FLY_BY	TF
WLKES	WP	N41° 16' 22.5700", W075° 41' 21.6000"	5300	VNAV	210	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 PRTZL2 path HYPER_WLKES

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	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H		NO	Enabled	19.4 %	19.5 %
2	FQM	N41° 20' 18.8106", W076° 46' 29.5197"	9.0 W	40	L		NO	Enabled	38.2 %	38.1 %
3	RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	L		NO	Enabled	70 %	70 %
4	ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	L		NO	Enabled	20.5 %	20.5 %
5	LRP	N40° 07' 11.9119", W076° 17' 28.6633"	9.0 W	40	L		NO	Enabled	11.7 %	11.7 %
6	FDK	N39° 24' 44.0499", W077° 22' 30.4179"	8.0 W	40	L		NO	Enabled	15.8 %	15.8 %
7	LVZ	N41° 16' 22.0761", W075° 41' 22.0784"	10.0 W	40	L		NO	Enabled	24.4 %	24.4 %
8	SEG	N40° 47' 27.0931", W076° 53' 02.5495"	8.0 W	40	L		NO	Enabled	52.7 %	52.7 %
9	MIP	N41° 01' 24.2109", W076° 39' 55.0438"	9.0 W	40	L		NO	Enabled	55.9 %	55.9 %
10	STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	L		NO	Enabled	5.2 %	5.2 %
11	HAR	N40° 18' 08.0630", W077° 04' 10.4120"	10.0 W	40	L		NO	Enabled	36.7 %	36.7 %
12	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L		NO	Enabled	3.5 %	3.5 %
13	THS	N39° 55' 59.6210", W077° 57' 03.4000"	7.0 W	40	L		NO	Enabled	7.3 %	7.3 %
14	FJC	N40° 43' 36.0742", W075° 27' 17.0827"	10.0 W	40	L		NO	Enabled	12.5 %	12.5 %

DME DME Assessment Results for PRTZL2 path HYPER_WLKES

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MRB	EMI	FDK	HAR		
4.6	FDK	EMI				
5.0	FDK	THS	HAR	EMI		
9.6	FDK	EMI				
17.5	LRP	EMI	THS	HAR	FDK	
19.4						
20.7	LRP	EMI	THS	HAR	FDK	RAV
22.0						
22.7	THS	EMI	LRP	HAR	RAV	
24.7	RAV	EMI				
27.5						
30.5	RAV	SEG				
30.8	HAR	LRP	SEG	RAV		
34.7	SEG	LRP	RAV			
40.0	RAV	SEG				
40.9	SEG	LRP	HAR	RAV		
42.1	RAV	SEG				
45.5	RAV	SEG	MIP			
49.2	RAV	SEG	HAR	MIP		
61.9	RAV	MIP	HAR	SEG	FQM	
62.7	RAV	MIP	HAR	FQM		
71.2	RAV	SEG	FQM	MIP	HAR	
75.0	RAV	SEG	FQM	HAR		
77.9	RAV	SEG	FQM			
78.8	RAV	SEG	FQM	MIP		
90.5	LVZ	FQM	RAV	MIP	SEG	
107.6	LVZ	ETX	RAV	FJC	FQM	MIP
107.9	LVZ	ETX	FJC	MIP	FQM	
111.6	LVZ	ETX	FJC	MIP		
117.4	LVZ	FJC	MIP			
120.6	LVZ	FJC	RAV	MIP		
121.6	LVZ	FJC	MIP	ETX		
121.8						
122.8	LVZ	FJC	MIP	ETX		
123.2	STW	RAV				
123.3	ETX	LVZ	STW	RAV		
123.6	STW	RAV	ETX			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 59' 55.6251", W077° 07' 46.2601"	N40° 01' 13.6339", W077° 07' 22.0694"	1.3356
2	N40° 02' 28.2495", W077° 06' 58.9162"	N40° 03' 08.9483", W077° 06' 46.2812"	0.6968
3	N40° 07' 47.7574", W077° 05' 20.4958"	N40° 10' 44.7079", W077° 04' 26.1397"	3.0277
4	N41° 11' 50.5551", W075° 50' 20.9902"	N41° 12' 23.6231", W075° 49' 15.5591"	0.9905

DME DME Assessment Results for PRTZL2 path HYPER_WLKES

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HYPER	GEEGE	EMI, HAR, MRB, FDK, THS	
GEEGE	PRTZL	EMI, RAV, HAR, LRP, FDK, THS	
PRTZL	LEGGO	EMI, SEG, RAV, HAR, LRP, THS	
LEGGO	SEG	FQM, SEG, MIP, RAV, HAR, LRP	
SEG	BLESS	LVZ, FQM, SEG, MIP, RAV, HAR	
BLESS	DIANO	LVZ, FQM, SEG, MIP, RAV, ETX	
DIANO	WLKES	LVZ, FQM, SEG, MIP, RAV, STW, ETX, FJC	

User Data Files

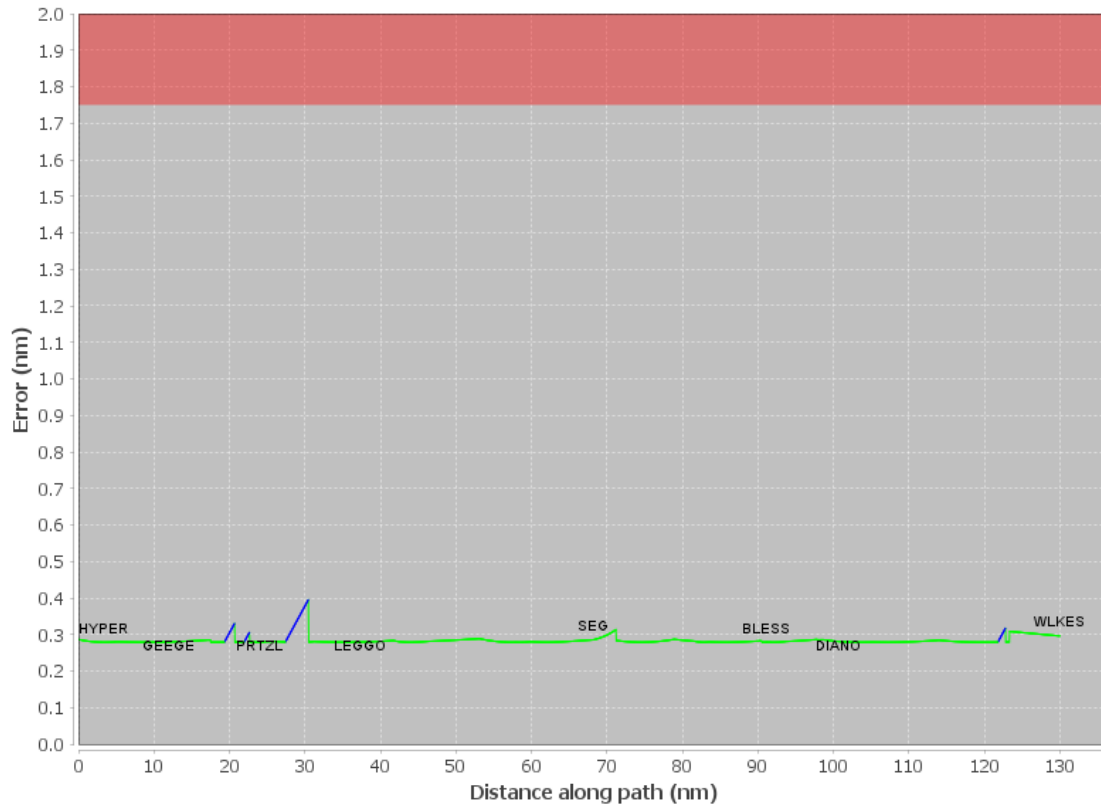
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] PRTZL1 RNAV STAR_20231211_0751 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ETX ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX	
	ESV:	Bearing [True]: 349.0° to 3.0° Bearing [Mag]: 358.0° to 12.0°				Arc Distance: Out to 45.0 NM Altitude: 5200.0 to 18800.0 ft		
2	STW STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	920	109.6	STW	
	ESV:	Bearing [True]: 283.0° to 298.0° Bearing [Mag]: 294.0° to 309.0°				Arc Distance: Out to 48.0 NM Altitude: 5200.0 to 19000.0 ft		
3	ESV ETG [IFPA] ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	ESV ETG [IFPA]	
	ESV:	Bearing [True]: 75.0° to 92.0° Bearing [Mag]: 85.0° to 102.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 17000.0 ft		
4	RAV RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	1750	114.6	RAV	
	ESV:	Bearing [True]: 37.0° to 48.0° Bearing [Mag]: 48.0° to 59.0°				Arc Distance: Out to 61.0 NM Altitude: 5200.0 to 19800.0 ft		
5	ESV PSB [IFPA] PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	2443.4	115.5	ESV PSB [IFPA]	
	ESV:	Bearing [True]: 58.0° to 76.0° Bearing [Mag]: 68.0° to 86.0°				Arc Distance: Out to 64.0 NM Altitude: 5000.0 to 10000.0 ft		

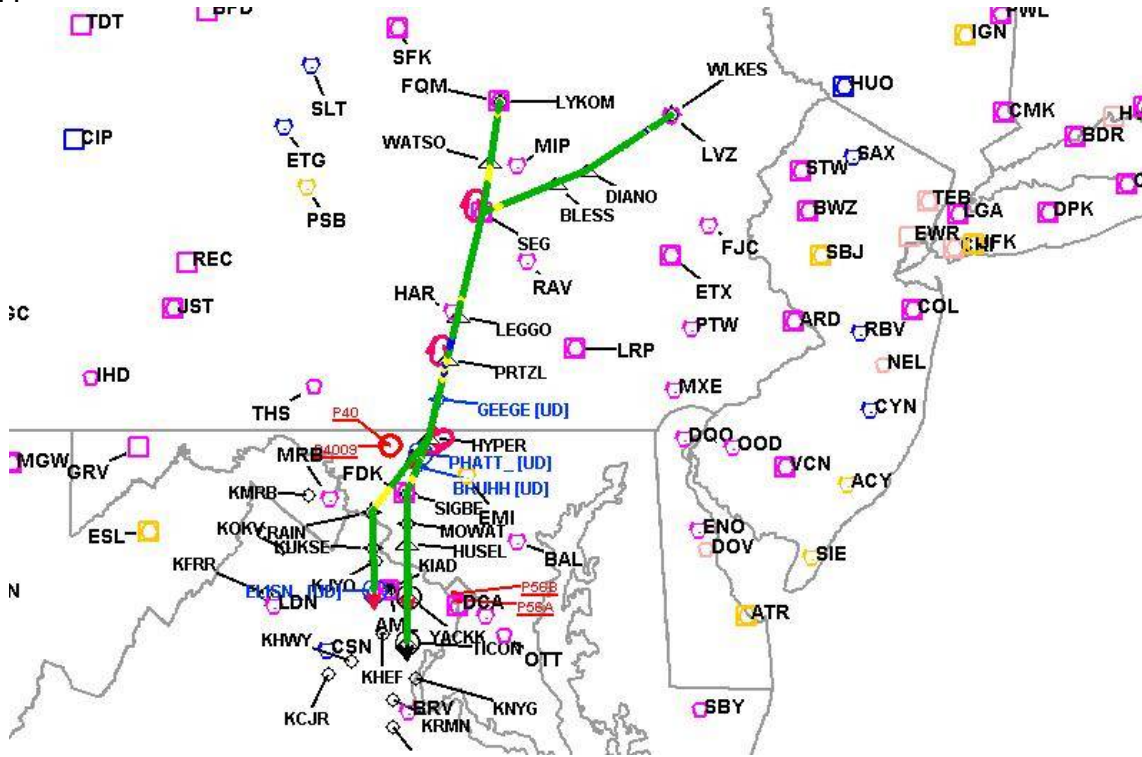
DME DME Assessment Results for PRTZL2 path HYPER_WLKES

DME Error



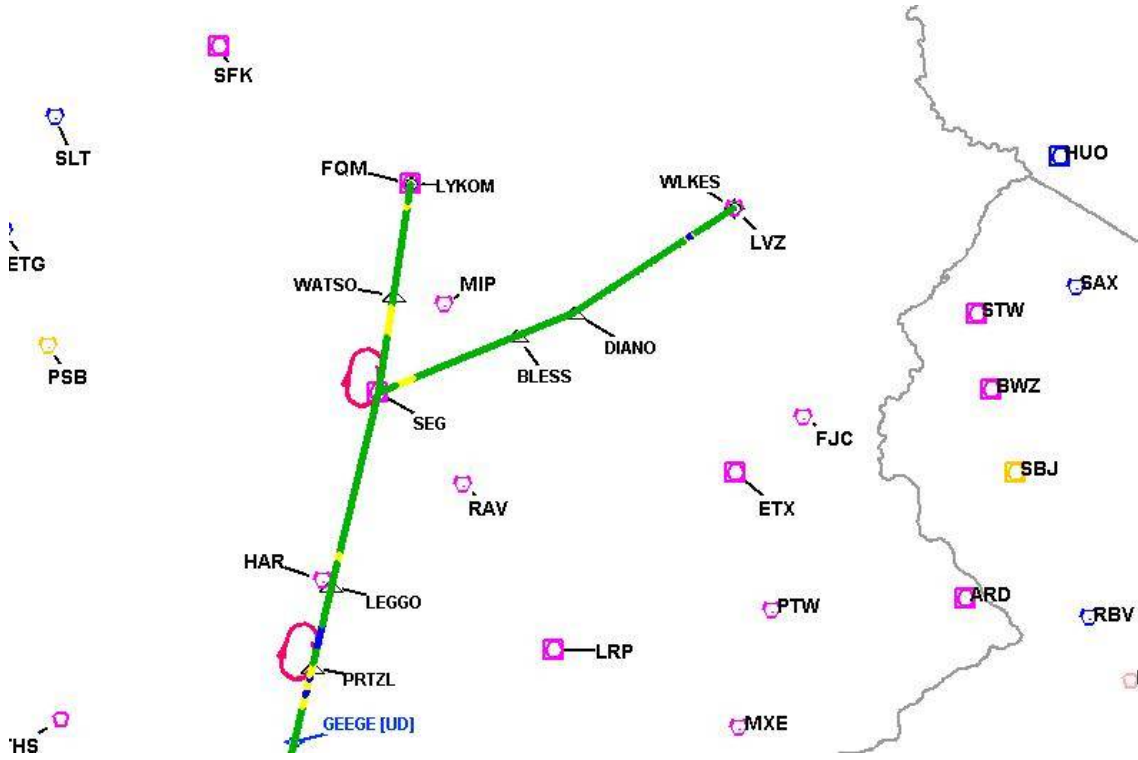
DME DME Assessment Results for PRTZL2 path HYPER_WLKES

Graphic Depiction 1



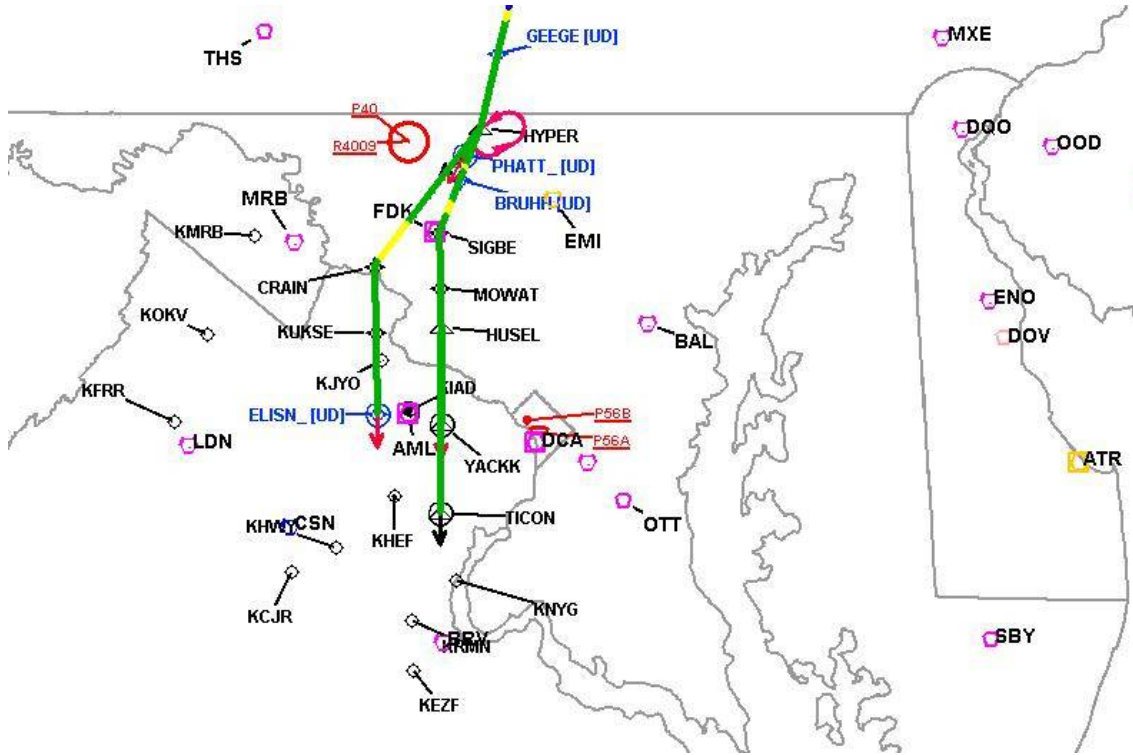
DME DME Assessment Results for PRTZL2 path HYPER_WLKES

Graphic Depiction 2



DME DME Assessment Results for PRTZL2 path HYPER_WLKES

Graphic Depiction 4



DME DME Assessment Results for PRTZL2 path LYKOM_SEG

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 PRTZL2 (RNAV) SID\KIAD PRTZL2 (RNAV) STAR_DME-DME 20251210.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD PRTZL2 (RNAV) SID\KIAD [IFPA] PRTZL2 20260225_1515 EST\LYKOM_SEG\KIAD PRTZL2 RNAV STAR LYKOM_SEG 20260225_1515 EST.pdf
Procedure Name:	PRTZL2
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/25/2026 15:15 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
LYKOM	WP	N41° 20' 18.7500", W076° 46' 30.3000"	5200	VNAV	210	FLY_BY	TF
WATSO	WP	N41° 02' 46.3100", W076° 50' 00.1000"	5200	VNAV	210	FLY_BY	TF
SEG	WP	N40° 47' 27.0931", W076° 53' 02.5495"	5000	VNAV	210	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 PRTZL2 path LYKOM_SEG

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	FQM	N41° 20' 18.8106", W076° 46' 29.5197"	9.0 W	40	L		NO	Enabled	66.7 %	66.7 %
2	SEG	N40° 47' 27.0931", W076° 53' 02.5495"	8.0 W	40	L		NO	Enabled	74.8 %	74.8 %
3	MIP	N41° 01' 24.2109", W076° 39' 55.0438"	9.0 W	40	L		NO	Enabled	100 %	100 %
4	RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	L		NO	Enabled	57.5 %	57.5 %
5	HAR	N40° 18' 08.0630", W077° 04' 10.4120"	10.0 W	40	L		NO	Enabled	28.6 %	28.6 %
6	SFK	N41° 41' 42.9115", W077° 25' 11.6608"	8.0 W	40	L		NO	Enabled	5.4 %	5.4 %
7	ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	H		NO	Enabled	17.6 %	17.6 %
8	PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	H		NO	Enabled	32.8 %	32.8 %

DME DME Assessment Results for PRTZL2 path LYKOM_SEG

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PSB	MIP	SEG	SFK		
0.9	PSB	MIP	SEG			
3.0	PSB	MIP	ETG	SEG	FQM	SFK
4.0	PSB	MIP	SEG			
4.8	PSB	MIP	ETG	SEG	FQM	
9.7	PSB	MIP	SEG	FQM		
10.2	PSB	RAV	MIP	SEG	FQM	
11.0	SEG	MIP				
14.3	MIP	FQM	SEG			
14.8	MIP	FQM	SEG	RAV		
23.7	RAV	MIP	SEG	FQM	HAR	
24.3	RAV	MIP	FQM	HAR		
27.3	RAV	MIP	HAR			
29.6	RAV	MIP	HAR	SEG		
30.2	RAV	MIP	HAR			
31.1	RAV	MIP	HAR	FQM		

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

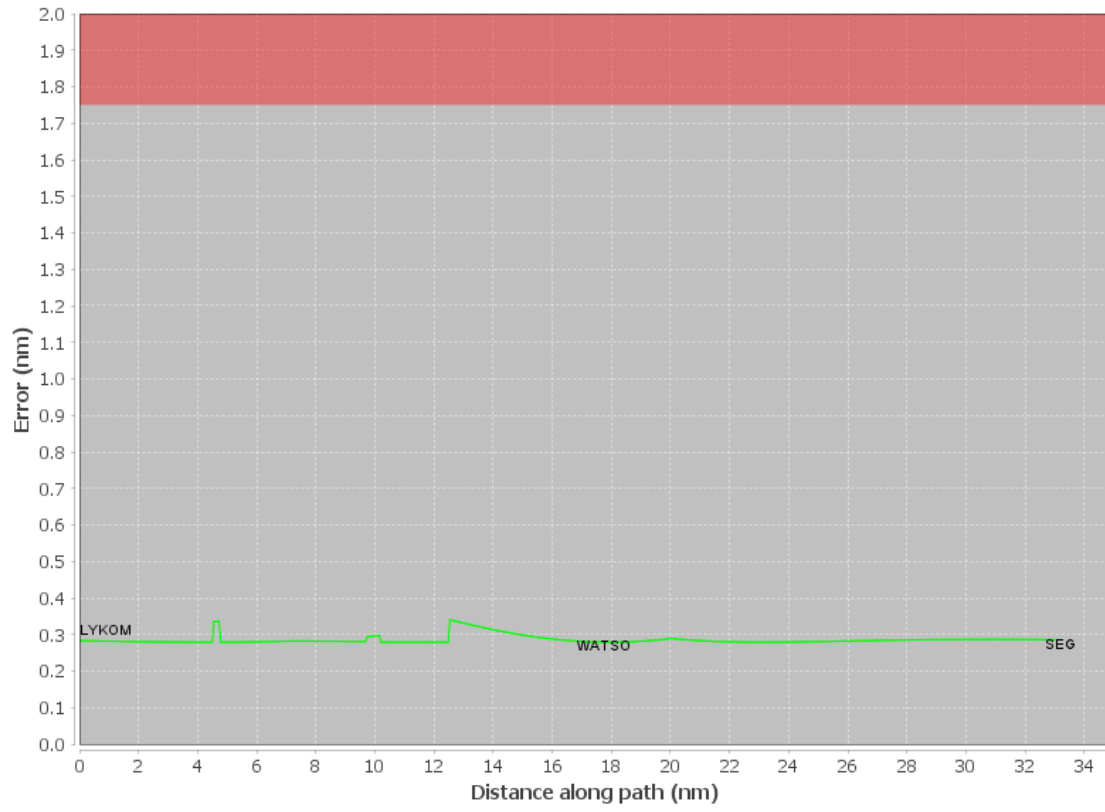
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
LYKOM	WATSO	FQM, SEG, MIP, RAV, SFK, ETG, PSB	
WATSO	SEG	FQM, SEG, MIP, RAV, HAR	

User Data Files	
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] PRTZL1 RNAV STAR_20231211_0751 EST.udt

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ETX ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX	
ESV:		Bearing [True]: 349.0° to 3.0° Bearing [Mag]: 358.0° to 12.0°				Arc Distance: Out to 45.0 NM Altitude: 5200.0 to 18800.0 ft		
2	STW STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	920	109.6	STW	
ESV:		Bearing [True]: 283.0° to 298.0° Bearing [Mag]: 294.0° to 309.0°				Arc Distance: Out to 48.0 NM Altitude: 5200.0 to 19000.0 ft		
3	ESV ETG [IFPA] ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	ESV ETG [IFPA]	
ESV:		Bearing [True]: 75.0° to 92.0° Bearing [Mag]: 85.0° to 102.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 17000.0 ft		
4	RAV RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	1750	114.6	RAV	
ESV:		Bearing [True]: 37.0° to 48.0° Bearing [Mag]: 48.0° to 59.0°				Arc Distance: Out to 61.0 NM Altitude: 5200.0 to 19800.0 ft		
5	ESV PSB [IFPA] PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	2443.4	115.5	ESV PSB [IFPA]	
ESV:		Bearing [True]: 58.0° to 76.0° Bearing [Mag]: 68.0° to 86.0°				Arc Distance: Out to 64.0 NM Altitude: 5000.0 to 10000.0 ft		

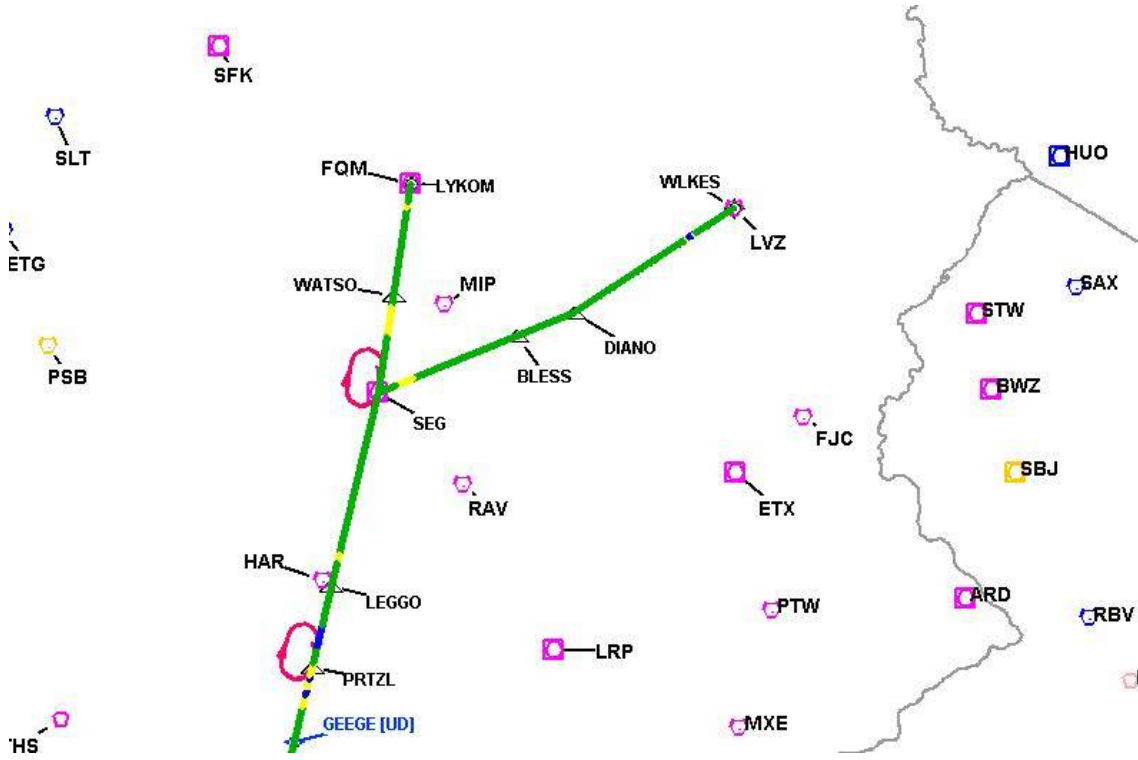
DME DME Assessment Results for PRTZL2 path LYKOM_SEG

DME Error



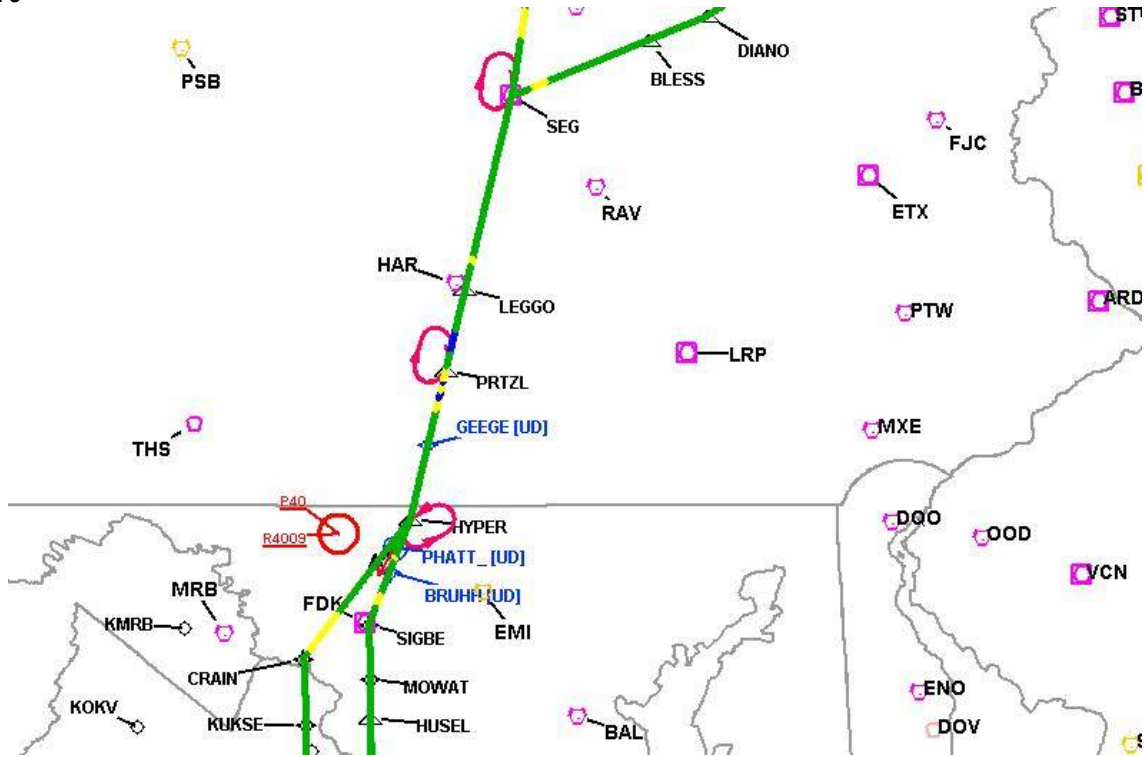
DME DME Assessment Results for PRTZL2 path LYKOM_SEG

Graphic Depiction 2



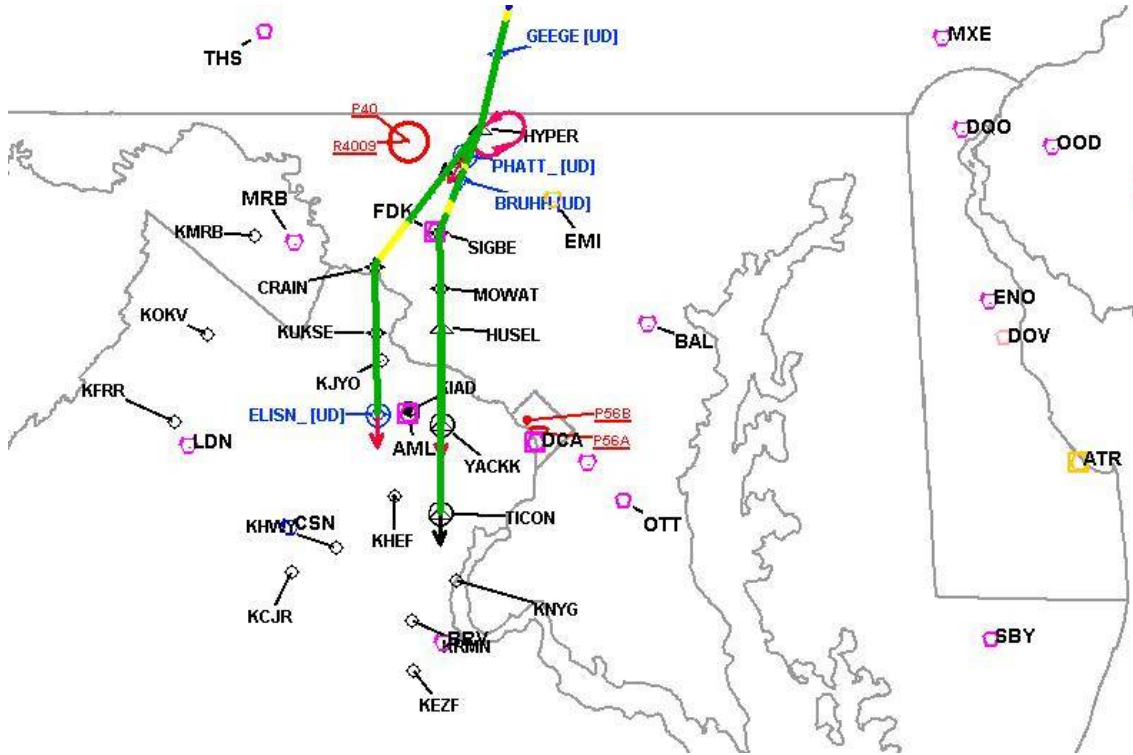
DME DME Assessment Results for PRTZL2 path LYKOM_SEG

Graphic Depiction 3



DME DME Assessment Results for PRTZL2 path LYKOM_SEG

Graphic Depiction 4



DME DME Assessment Results for PRTZL2 path WLKES_TICON

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 PRTZL2 (RNAV) SID\KIAD PRTZL2 (RNAV) STAR_DME-DME 20251210.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\7-9-2026 PUBLICATION\KIAD PRTZL2 (RNAV) SID\KIAD [IFPA] PRTZL2 20260225_1515 EST\WLKES_TICON\KIAD PRTZL2 RNAV STAR WLKES TICON 20260225_1515 EST.pdf
Procedure Name:	PRTZL2
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/25/2026 15:15 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
WLKES	WP	N41° 16' 22.5700", W075° 41' 21.6000"	5300	VNAV	210	FLY_BY	TF
DIANO	WP	N41° 00' 01.9900", W076° 13' 33.7800"	5300	VNAV	210	FLY_BY	TF
BLESS	WP	N40° 56' 21.2100", W076° 25' 12.5100"	5000	VNAV	210	FLY_BY	TF
SEG	WP	N40° 47' 27.0931", W076° 53' 02.5495"	5000	VNAV	210	FLY_BY	TF
LEGGO	WP	N40° 17' 16.0100", W077° 02' 25.6500"	5000	VNAV	210	FLY_BY	TF
PRTZL	WP	N40° 04' 20.1700", W077° 06' 24.1600"	5000	VNAV	210	FLY_BY	TF
GEEGE	WP	N39° 52' 44.8500", W077° 09' 59.5600"	5000	VNAV	210	FLY_BY	TF
HYPER	WP	N39° 41' 02.1600", W077° 13' 30.3400"	5000	VNAV	210	FLY_BY	TF
BRUHH	WP	N39° 32' 49.7028", W077° 17' 40.2888"	5000	VNAV	210	FLY_BY	TF
SIGBE	WP	N39° 24' 37.2000", W077° 21' 49.2000"	5000	VNAV	210	FLY_BY	TF
MOWAT	WP	N39° 15' 57.6000", W077° 21' 36.6000"	5000	VNAV	210	FLY_BY	TF
HUSEL	WP	N39° 09' 51.6000", W077° 21' 27.6000"	4000	VNAV	210	FLY_BY	TF
TICON	WP	N38° 40' 45.6000", W077° 21' 42.6000"	3000	VNAV	200	FLY_OVER	TF

DME DME Assessment Results for PRTZL2 path WLKES_TICON

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 PRTZL2 path WLKES_TICON

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H		NO	Enabled	37.3 %	37.3 %
2	AML	N38° 56' 04.5329", W077° 28' 00.1263"	8.0 W	40	L		NO	Enabled	25.8 %	25.8 %
3	FQM	N41° 20' 18.8106", W076° 46' 29.5197"	9.0 W	40	L		NO	Enabled	25.9 %	25.9 %
4	DCA	N38° 51' 34.0300", W077° 02' 11.1700"	9.0 W	40	L		NO	Enabled	24.4 %	24.5 %
5	RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	L		NO	Enabled	47.6 %	47.5 %
6	BRV	N38° 20' 10.5264", W077° 21' 10.3159"	9.0 W	40	L		NO	Enabled	10 %	10 %
7	ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	L		NO	Enabled	13.9 %	13.9 %
8	LRP	N40° 07' 11.9119", W076° 17' 28.6633"	9.0 W	40	L		NO	Enabled	8 %	8 %
9	FDK	N39° 24' 44.0499", W077° 22' 30.4179"	8.0 W	40	L		NO	Enabled	31.7 %	31.7 %
10	BAL	N39° 10' 15.8283", W076° 39' 40.5225"	11.0 W	40	L		NO	Enabled	15 %	15 %
11	LVZ	N41° 16' 22.0761", W075° 41' 22.0784"	10.0 W	40	L		NO	Enabled	16.6 %	16.5 %
12	SEG	N40° 47' 27.0931", W076° 53' 02.5495"	8.0 W	40	L		NO	Enabled	35.8 %	35.7 %
13	ADW	N38° 48' 25.9900", W076° 51' 58.5200"	10.0 W	40	L		NO	Enabled	15.4 %	15.4 %
14	MIP	N41° 01' 24.2109", W076° 39' 55.0438"	9.0 W	40	L		NO	Enabled	38 %	37.9 %
15	STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	L		NO	Enabled	3.6 %	3.6 %
16	HAR	N40° 18' 08.0630", W077° 04' 10.4120"	10.0 W	40	L		NO	Enabled	25.6 %	25.6 %
17	MRB	N39° 23' 08.0600", W077° 50' 54.0820"	7.0 W	40	L		NO	Enabled	19.4 %	19.4 %
18	FJC	N40° 43' 36.0742", W075° 27' 17.0827"	10.0 W	40	L		NO	Enabled	8.5 %	8.5 %
19	THS	N39° 55' 59.6210", W077° 57' 03.4000"	7.0 W	40	L		NO	Enabled	6.2 %	6.2 %
20	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H		NO	Enabled	13.8 %	13.9 %

DME DME Assessment Results for PRTZL2 path WLKES_TICON

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	STW	RAV	ETX			
6.5	STW	RAV	ETX	LVZ		
6.7	STW	RAV				
6.9	LVZ	FJC	MIP	ETX		
7.2						
8.2	LVZ	FJC	MIP	ETX		
8.4	LVZ	FJC	RAV	MIP		
9.4	LVZ	FJC	MIP			
12.6	MIP	ETX	LVZ	FJC		
18.5	LVZ	ETX	FJC	MIP	FQM	
24.2	LVZ	ETX	RAV	FQM	SEG	MIP
32.2	LVZ	FQM	RAV	MIP	SEG	
39.5	RAV	MIP	SEG	FQM		
51.2	RAV	SEG	FQM			
52.2	RAV	SEG	FQM	HAR		
55.1	RAV	SEG	FQM	HAR	MIP	
58.8	RAV	MIP	HAR	FQM		
67.3	RAV	MIP	HAR	SEG	FQM	
68.1	RAV	MIP	HAR	SEG		
80.8	RAV	SEG	MIP			
84.6	RAV	SEG				
87.9	HAR	LRP	SEG	RAV		
89.1	RAV	SEG				
90.0	SEG	LRP	RAV			
95.3	SEG	LRP	HAR	RAV		
99.2	RAV	SEG				
99.5						
102.6	RAV	EMI				
105.4	THS	EMI	LRP	HAR	RAV	
107.3						
108.0	THS	EMI	LRP	HAR	FDK	RAV
109.3						
110.6	LRP	EMI	THS	HAR	FDK	
112.5	FDK	EMI				
120.5	THS	HAR	FDK	EMI		
125.1	FDK	EMI				
125.4	MRB	EMI	FDK	HAR		
131.3	FDK	EMI	MRB			
136.4	FDK	EMI	AML	THS	MRB	
137.2	AML	EMI	FDK	MRB		
141.3	AML	EMI	MRB			
142.6	MRB	DCA	AML	EMI	FDK	THS
144.3	MRB	DCA	EMI	AML	FDK	
144.7	AML	EMI	MRB			
146.7	EMI	DCA	MRB	AML		
149.4	EMI	DCA	MRB	AML	BAL	
158.6	ADW	EMI	DCA	FDK	BAL	AML
173.3	EMI	DCA	ADW	FDK	BAL	BRV
176.1	BRV	DCA	FDK	ADW	BAL	CSN
177.3	BRV	DCA	ADW	BAL	CSN	
178.2	BRV	DCA	ADW	CSN		
179.0	BRV	DCA	ADW	AML	CSN	
183.8	AML	CSN	BRV	DCA		

DME DME Assessment Results for PRTZL2 path WLKES_TICON

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 12' 21.6782", W075° 49' 19.4085"	N41° 11' 48.6096", W075° 50' 24.8385"	0.9905
2	N40° 10' 41.3051", W077° 04' 27.1858"	N40° 07' 44.3544", W077° 05' 21.5404"	3.0277
3	N40° 03' 05.5567", W077° 06' 47.3343"	N40° 02' 24.8579", W077° 06' 59.9689"	0.6968
4	N40° 01' 10.2423", W077° 07' 23.1215"	N39° 59' 52.2333", W077° 07' 47.3115"	1.3356

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
WLKES	DIANO	LVZ, FQM, SEG, MIP, RAV, STW, ETX, FJC	
DIANO	BLESS	LVZ, FQM, SEG, MIP, RAV, ETX	
BLESS	SEG	LVZ, FQM, SEG, MIP, RAV, HAR	
SEG	LEGGO	FQM, SEG, MIP, RAV, HAR, LRP	
LEGGO	PRTZL	EMI, SEG, RAV, HAR, LRP, THS	
PRTZL	GEEGE	EMI, RAV, HAR, LRP, FDK, THS	
GEEGE	HYPER	EMI, HAR, FDK, MRB, THS	
HYPER	BRUHH	EMI, AML, HAR, MRB, FDK, THS	
BRUHH	SIGBE	AML, EMI, DCA, MRB, FDK, THS	
SIGBE	MOWAT	AML, EMI, DCA, ADW, MRB, FDK, BAL	
MOWAT	HUSEL	AML, EMI, DCA, ADW, MRB, FDK, BAL	
HUSEL	TICON	EMI, AML, DCA, ADW, BRV, FDK, MRB, BAL, CSN	

User Data Files

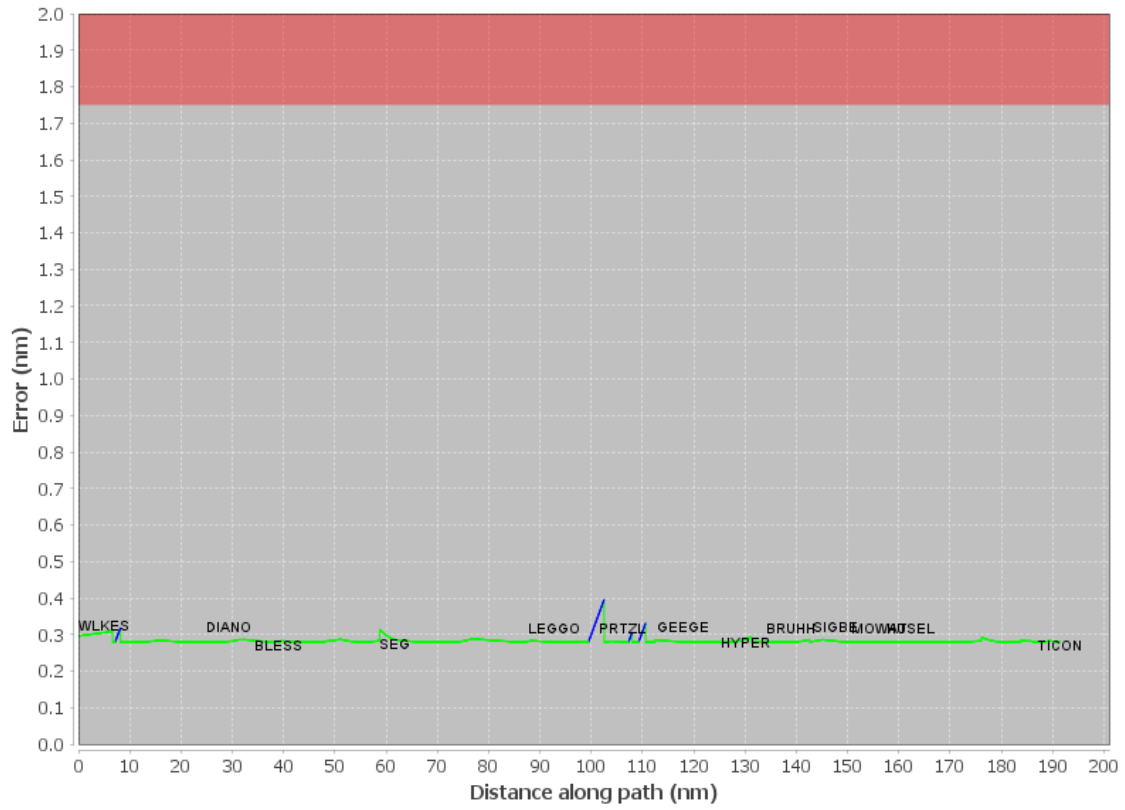
#	File Name
1	New Analysis.udt
2	UserDMEsKIAD [IFPA] PRTZL1 RNAV STAR_20231211_0751 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ETX ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX	
	ESV:	Bearing [True]: 349.0° to 3.0° Bearing [Mag]: 358.0° to 12.0°				Arc Distance: Out to 45.0 NM Altitude: 5200.0 to 18800.0 ft		
2	STW STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	920	109.6	STW	
	ESV:	Bearing [True]: 283.0° to 298.0° Bearing [Mag]: 294.0° to 309.0°				Arc Distance: Out to 48.0 NM Altitude: 5200.0 to 19000.0 ft		
3	ESV ETG [IFPA] ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	ESV ETG [IFPA]	
	ESV:	Bearing [True]: 75.0° to 92.0° Bearing [Mag]: 85.0° to 102.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 17000.0 ft		
4	RAV RAV	N40° 33' 12.2145", W076° 35' 57.7706"	11.0 W	40	1750	114.6	RAV	
	ESV:	Bearing [True]: 37.0° to 48.0° Bearing [Mag]: 48.0° to 59.0°				Arc Distance: Out to 61.0 NM Altitude: 5200.0 to 19800.0 ft		
5	ESV PSB [IFPA] PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	2443.4	115.5	ESV PSB [IFPA]	
	ESV:	Bearing [True]: 58.0° to 76.0° Bearing [Mag]: 68.0° to 86.0°				Arc Distance: Out to 64.0 NM Altitude: 5000.0 to 10000.0 ft		

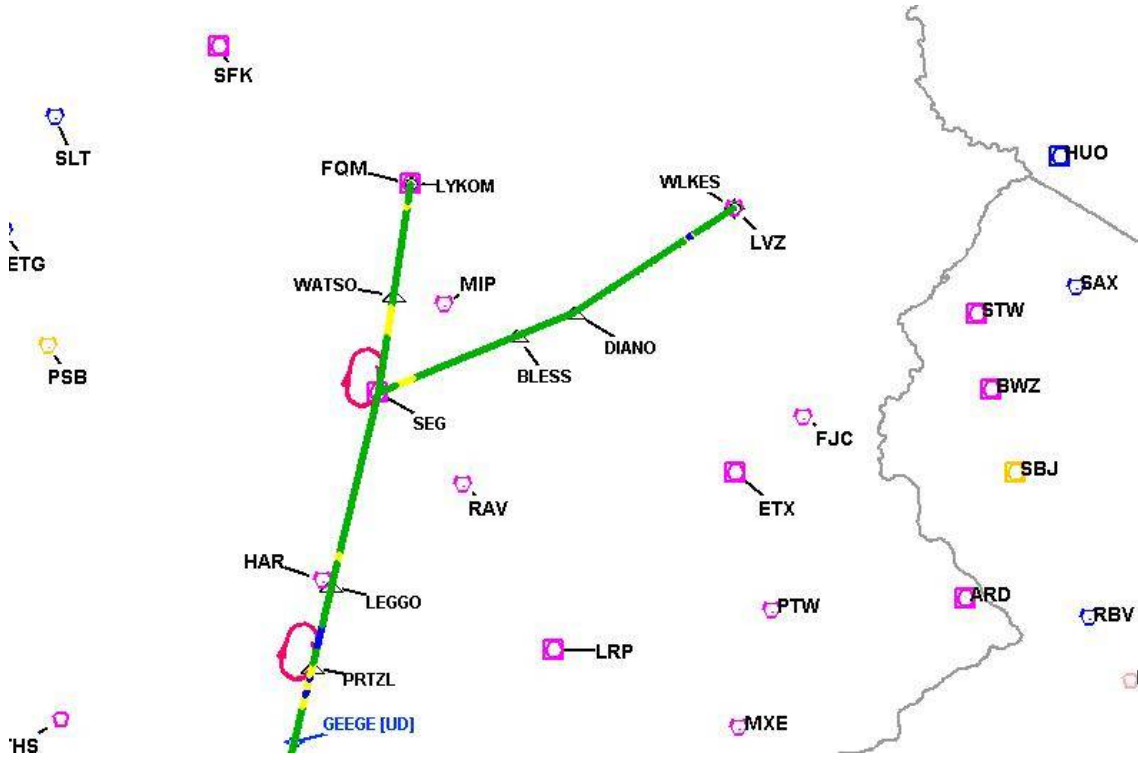
DME DME Assessment Results for PRTZL2 path WLKES_TICON

DME Error



DME DME Assessment Results for PRTZL2 path WLKES_TICON

Graphic Depiction 2



DME DME Assessment Results for PRTZL2 path WLKES_TICON

Graphic Depiction 4

