

DME DME Assessment Results for BERYY6 path KSTL:RW11:DER_LITTR

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\BERYY SIX SID DME SCREEN 20240131.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\KSTL [IFPA] BERYY6 20240207_0915 CST\KSTL-RW11-DER_LITTR\KSTL BERYY6 SID RW11 LITTR 20240207_0915 CST.pdf
Procedure Name:	BERYY6
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/07/2024 09:15 CST
Databases:	DTED LEVEL 0 MAX

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
KSTL:RW11:DER	WP	N38° 44' 48.4521", W090° 22' 59.3854"	555.2	VNAV	130	FLY_OVER	TF
LUUBE	WP	N38° 42' 08.4000", W090° 17' 35.0300"	2500	VNAV	200	FLY_BY	TF
DAFUS	WP	N38° 38' 08.8200", W090° 17' 34.7000"	3297.8	VNAV	200	FLY_BY	TF
GEJAY	WP	N38° 32' 43.8900", W090° 23' 14.6400"	4697.8	VNAV	200	FLY_BY	TF
BERYY	WP	N38° 10' 14.4700", W090° 46' 34.3000"	5000	VNAV	200	FLY_BY	TF
TWRAY	WP	N37° 36' 05.0600", W091° 00' 52.5300"	6000	VNAV	200	FLY_BY	TF
LITTR	WP	N34° 40' 39.9000", W092° 10' 49.2600"	6000	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KSTL [IFPA]
Climb Gradient:	500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for BERYY6 path KSTL:RW11:DER_LITTR

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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	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	TOY	N38° 44' 20.9386", W089° 55' 06.9333"	4.0 E	40	L	IFPA	NO	Enabled	9.6 %	9.7 %
2	PBF	N34° 14' 48.3307", W091° 55' 34.2349"	4.0 E	40	L	IFPA	NO	Enabled	2 %	2.1 %
3	FTZ	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	L	IFPA	NO	Enabled	19.1 %	18.9 %
4	ARG	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	H	IFPA	NO	Enabled	18 %	18.1 %
5	VIH	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	L	IFPA	NO	Enabled	8.5 %	8.5 %
6	FAM	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	H	IFPA	NO	Enabled	18.2 %	18.3 %
7	UJM	N34° 34' 30.1678", W090° 40' 27.8451"	1.0 E	40	L	IFPA	NO	Enabled	11.6 %	11.6 %
8	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL	IFPA	NO	Enabled	30.3 %	30.4 %
9	JBR	N35° 52' 29.6973", W090° 35' 18.6134"	0.0 E	40	L	IFPA	NO	Enabled	8.9 %	9 %
10	FLP	N36° 17' 58.7266", W092° 27' 30.2002"	0.0 E	130	DH	IFPA	NO	Enabled	25.9 %	26 %
11	GQE	N35° 20' 49.3070", W090° 28' 41.3720"	4.0 E	40	L	IFPA	NO	Enabled	10.5 %	10.5 %
12	HUW	N36° 52' 16.9825", W091° 53' 59.9703"	0.0 E	40	L	IFPA	NO	Enabled	18 %	18.1 %
13	LIT	N34° 40' 39.6230", W092° 10' 49.8996"	5.0 E	130	H	IFPA	NO	Enabled	24.2 %	24.3 %
14	STL	N38° 51' 38.6039", W090° 28' 56.4560"	1.0 E	130	H	IFPA	NO	Enabled	14.2 %	14 %

DME DME Assessment Results for BERYY6 path KSTL:RW11:DER_LITTR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	FTZ	STL				
5.1	TOY	STL	CSX	FTZ		
30.7	CSX	FTZ	STL			
39.2	CSX	FTZ				
52.1	CSX	FAM	FTZ			
52.3	CSX	FAM				
77.3	VIH	CSX	FAM			
85.7	FAM	VIH				
85.8						
110.1	VIH	HUW	ARG			
122.9	ARG	HUW	VIH	FAM		
124.2	ARG	HUW	FAM			
137.8	ARG	HUW				
138.6						
141.7	FLP	HUW				
145.2	FLP	ARG	HUW			
160.2	FLP	HUW				
160.8	FLP	HUW	ARG			
161.2						
180.5	FLP	ARG				
184.8						
192.3	LIT	FLP				
192.5	LIT	JBR	FLP			
216.4	LIT	FLP				
222.8						
225.3	FLP	LIT				
226.5	GQE	FLP	LIT			
227.6	GQE	FLP	UJM	LIT		
227.7	GQE	FLP	LIT			
228.5	GQE	FLP	UJM	LIT		
240.4	UJM	LIT	GQE			
253.8	UJM	LIT	GQE	PBF		
254.5	UJM	LIT	PBF			
259.3						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 44' 47.3233", W090° 22' 57.0939"	N38° 43' 45.5089", W090° 20' 51.6986"	1.9302
2	N37° 31' 26.1847", W091° 02' 48.1111"	N37° 08' 23.9708", W091° 12' 17.2624"	24.2205
3	N36° 41' 13.4009", W091° 23' 20.8909"	N36° 38' 15.6819", W091° 24' 32.7214"	3.1109
4	N36° 19' 44.6339", W091° 31' 59.5975"	N36° 01' 16.2446", W091° 39' 21.7001"	19.3875
5	N35° 57' 14.8087", W091° 40' 57.5180"	N35° 50' 05.8834", W091° 43' 47.3221"	7.4995
6	N35° 21' 00.8202", W091° 55' 12.6735"	N35° 18' 34.5484", W091° 56' 09.7251"	2.5554
7	N34° 46' 07.6998", W092° 08' 43.3875"	N34° 40' 39.9000", W092° 10' 49.2600"	5.7218

DME DME Assessment Results for BERYY6 path KSTL:RW11:DER_LITTR

Available DMEs by Waypoints

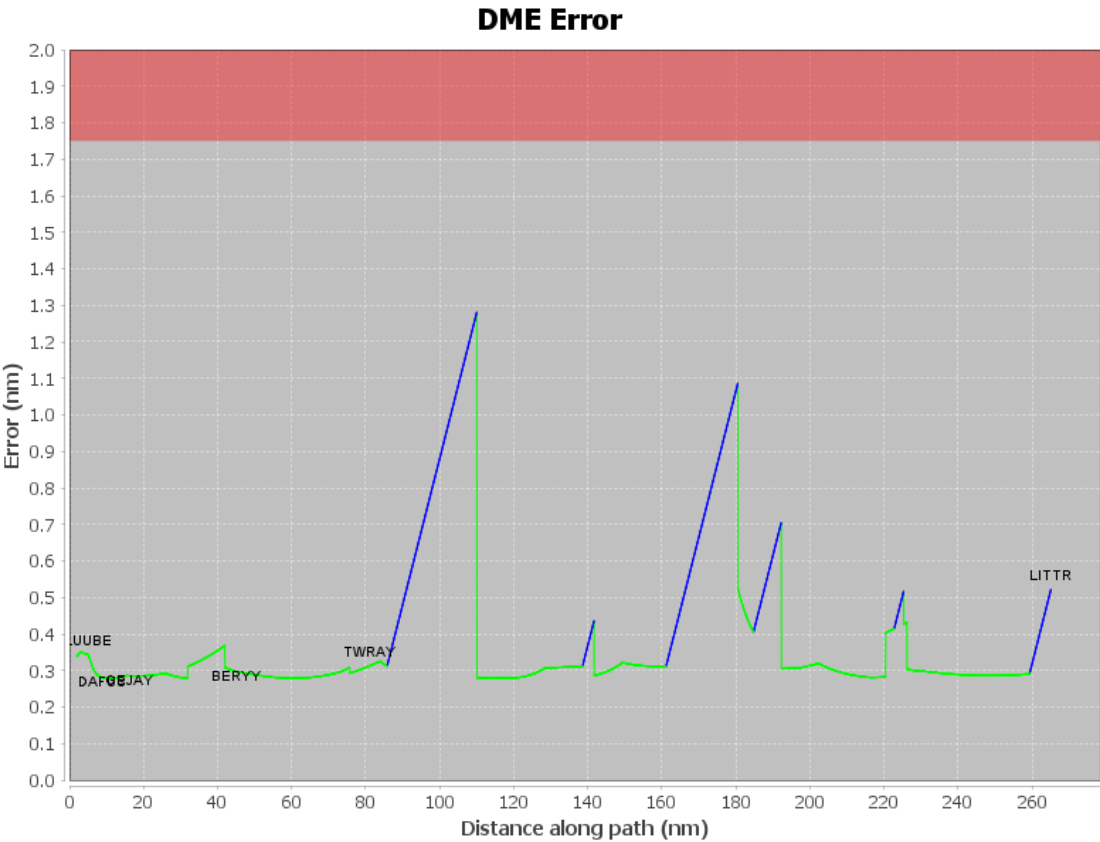
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSTL:RW11:DER	LUUBE	STL, FTZ	
LUUBE	DAFUS	CSX, STL, FTZ, TOY	
DAFUS	GEJAY	CSX, STL, FTZ, TOY	
GEJAY	BERYY	CSX, STL, FTZ, TOY	
BERYY	TWRAY	FAM, VIH, CSX, FTZ	
TWRAY	LITTR	FAM, VIH, PBF, ARG, LIT, CSX, UJM, GQE, HUW, FLP, JBR	

User Data Files

#	File Name
1	New Analysis.udt

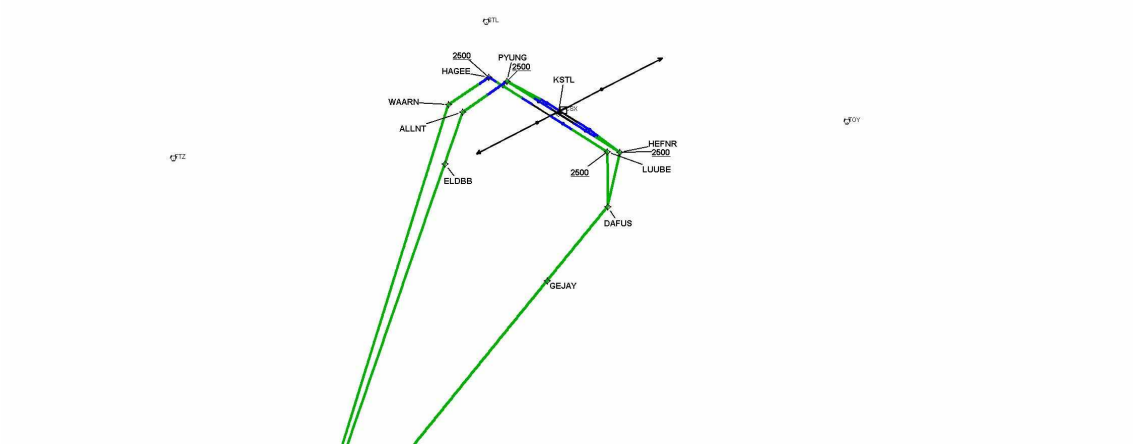
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAM FAA 694136-048 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-048	
ESV:		Bearing [True]: 254.0° to 270.0° Bearing [Mag]: 253.0° to 269.0°				Arc Distance: Out to 44.0 NM Altitude: 5800.0 to 15800.0 ft		
2	LIT FAA 704152-043 LIT [IFPA]	N34° 40' 39.6230", W092° 10' 49.8996"	5.0 E	130	242.2	113.9	LIT FAA 704152-043	
ESV:		Bearing [True]: 12.0° to 23.0° Bearing [Mag]: 7.0° to 18.0°				Arc Distance: Out to 73.0 NM Altitude: 5900.0 to 14800.0 ft		
3	FAM FAA 694136-047 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-047	
ESV:		Bearing [True]: 221.0° to 232.0° Bearing [Mag]: 220.0° to 231.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 15800.0 ft		
4	FTZ FAA 758692-031 FTZ [IFPA]	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	818.9	110.8	FTZ FAA 758692-031	
ESV:		Bearing [True]: 162.0° to 177.0° Bearing [Mag]: 157.0° to 172.0°				Arc Distance: Out to 41.0 NM Altitude: 5000.0 to 18900.0 ft		
5	UJM FAA 211642-013 UJM [IFPA]	N34° 34' 30.1678", W090° 40' 27.8451"	1.0 E	40	242.5	113.65	UJM FAA 211642-013	
ESV:		Bearing [True]: 279.0° to 304.0° Bearing [Mag]: 278.0° to 303.0°				Arc Distance: Out to 80.0 NM Altitude: 5900.0 to 18300.0 ft		
6	VIH FAA 704279-032 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-032	
ESV:		Bearing [True]: 129.0° to 169.0° Bearing [Mag]: 123.0° to 163.0°				Arc Distance: Out to 79.0 NM Altitude: 5800.0 to 19200.0 ft		
7	GQE FAA 780927-039 GQE [IFPA]	N35° 20' 49.3070", W090° 28' 41.3720"	4.0 E	40	211	113.0	GQE FAA 780927-039	
ESV:		Bearing [True]: 248.0° to 268.0° Bearing [Mag]: 244.0° to 264.0°				Arc Distance: Out to 89.0 NM Altitude: 5900.0 to 18300.0 ft		
8	JBR FAA 220649-003 JBR [IFPA]	N35° 52' 29.6973", W090° 35' 18.6134"	0.0 E	40	247	115.85	JBR FAA 220649-003	
ESV:		Bearing [True]: 246.0° to 269.0° Bearing [Mag]: 246.0° to 269.0°				Arc Distance: Out to 71.0 NM Altitude: 5900.0 to 18300.0 ft		
9	ARG FAA 698164-039 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-039	
ESV:		Bearing [True]: 325.0° to 356.0° Bearing [Mag]: 321.0° to 352.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 14800.0 ft		

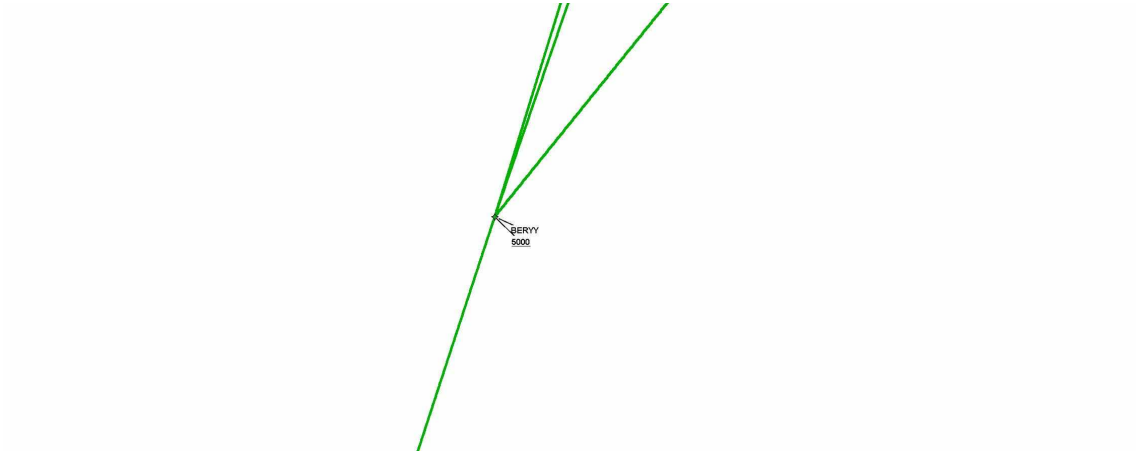


DME DME Assessment Results for BERYY6 path KSTL:RW11:DER_LITTR

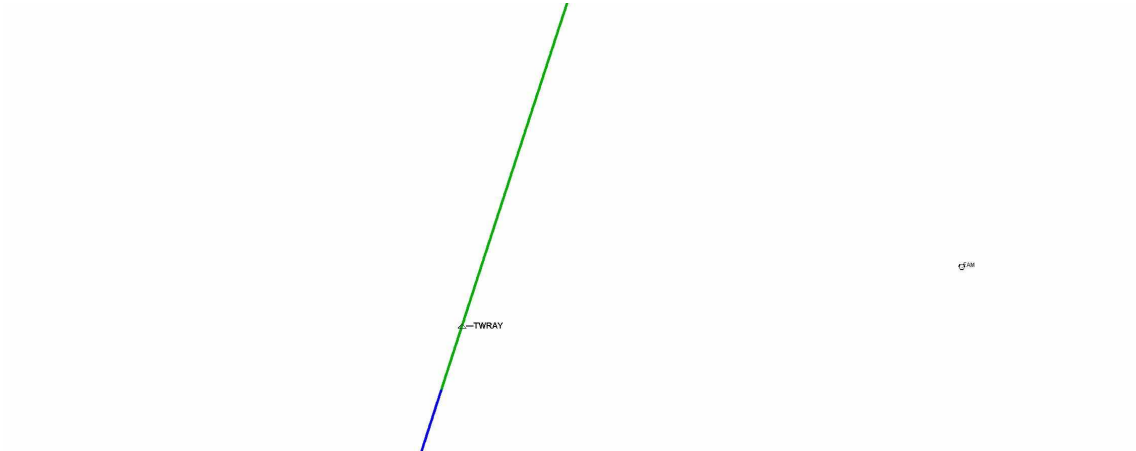
Graphic Depiction 1



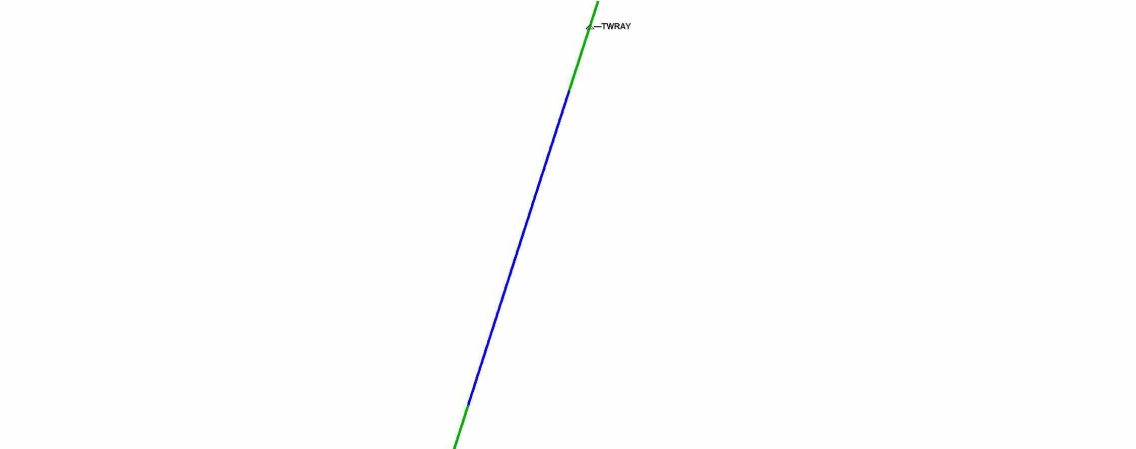
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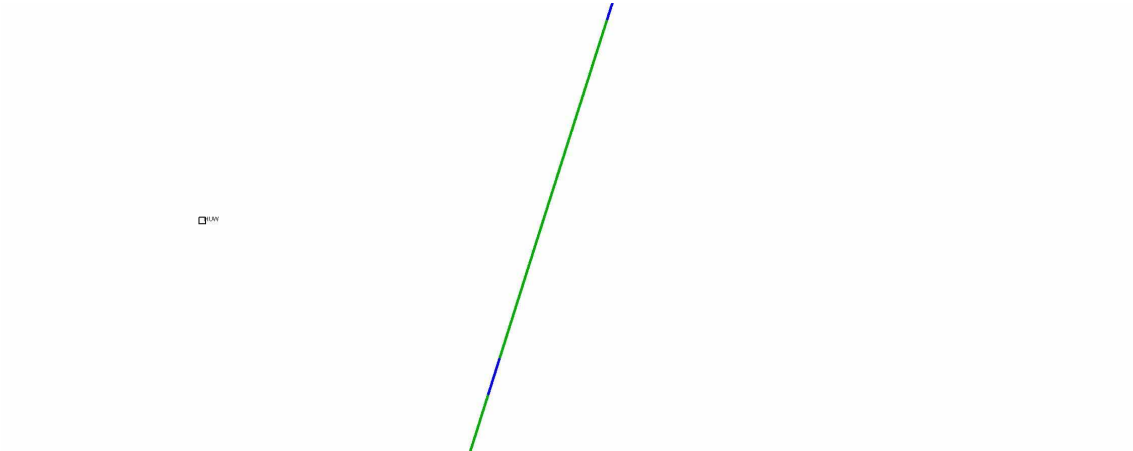
Graphic Depiction 3



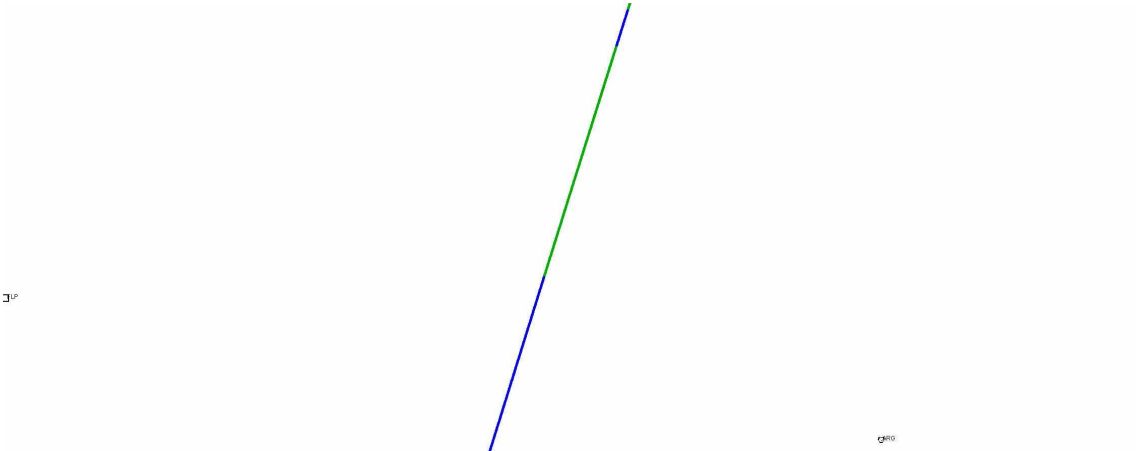
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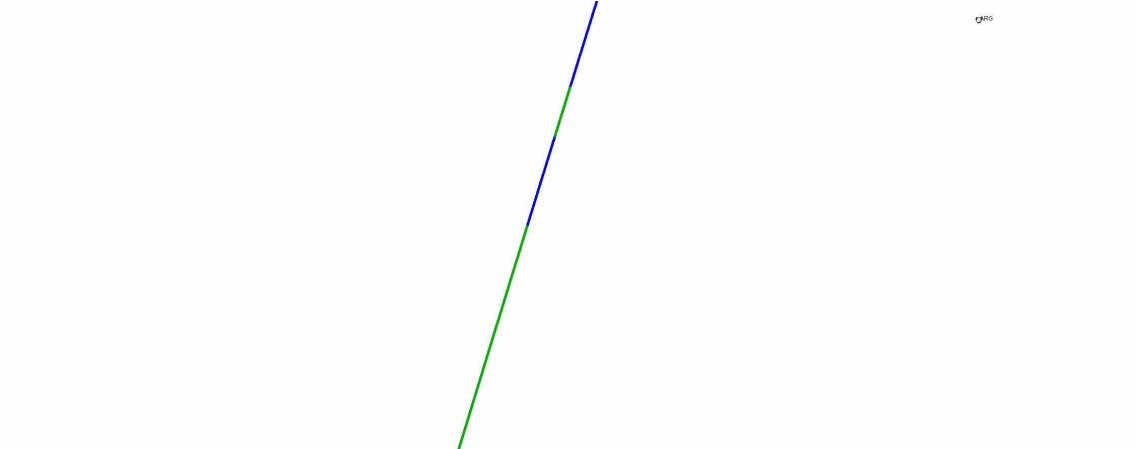
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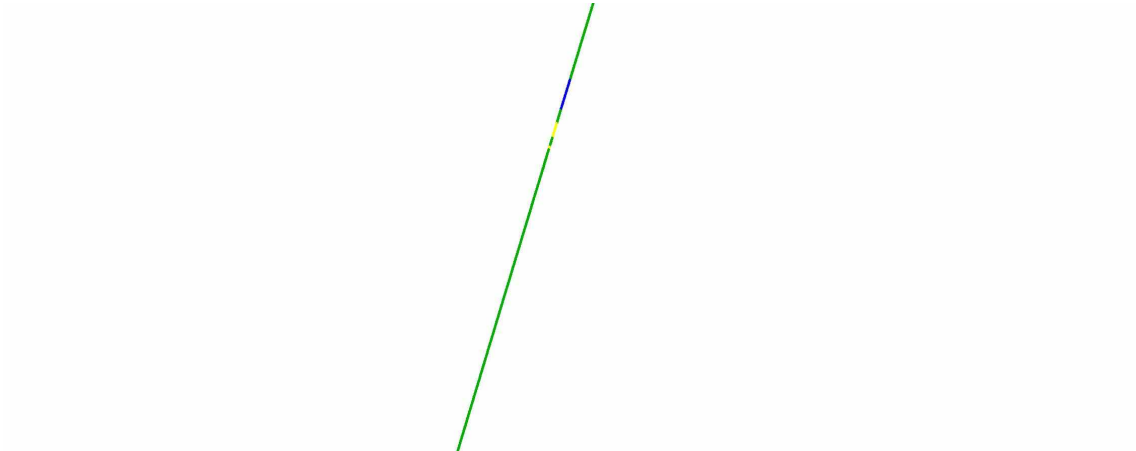
Graphic Depiction 6



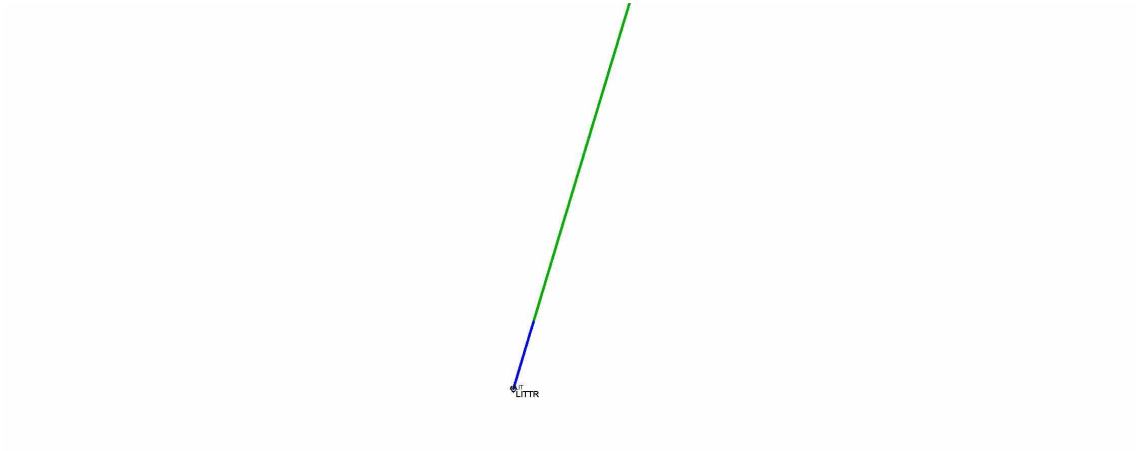
Graphic Depiction 7



Graphic Depiction 8



Graphic Depiction 9



DME DME Assessment Results for BERY6 path KSTL:RW12L:DER_DAFUS

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\BERYY SIX SID DME SCREEN 20240131.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\KSTL [IFPA] BERY6 20240207_0915 CST\KSTL-RW12L-DER_DAFUS\KSTL BERY6 SID RW12L DAFUS 20240207_0915 CST.pdf
Procedure Name:	BERYY6
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/07/2024 09:15 CST
Databases:	DTED LEVEL 0 MAX

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
KSTL:RW12L:DER	WP	N38° 44' 18.9859", W090° 20' 22.5077"	604.3	VNAV	130	FLY_OVER	TF
HEFNR	WP	N38° 42' 06.3900", W090° 16' 24.5500"	2500	VNAV	200	FLY_BY	TF
DAFUS	WP	N38° 38' 08.8200", W090° 17' 34.7000"	3297.8	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KSTL [IFPA]
Climb Gradient:	500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for BERYY6 path KSTL:RW12L:DER_DAFUS

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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	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	TOY	N38° 44' 20.9386", W089° 55' 06.9333"	4.0 E	40	L	IFPA	NO	Enabled	45.9 %	51.6 %
2	FTZ	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	L	IFPA	NO	Enabled	70.4 %	76.3 %
3	STL	N38° 51' 38.6039", W090° 28' 56.4560"	1.0 E	130	H	IFPA	NO	Enabled	70.4 %	76.3 %
4	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL	IFPA	NO	Enabled	35.9 %	40.5 %

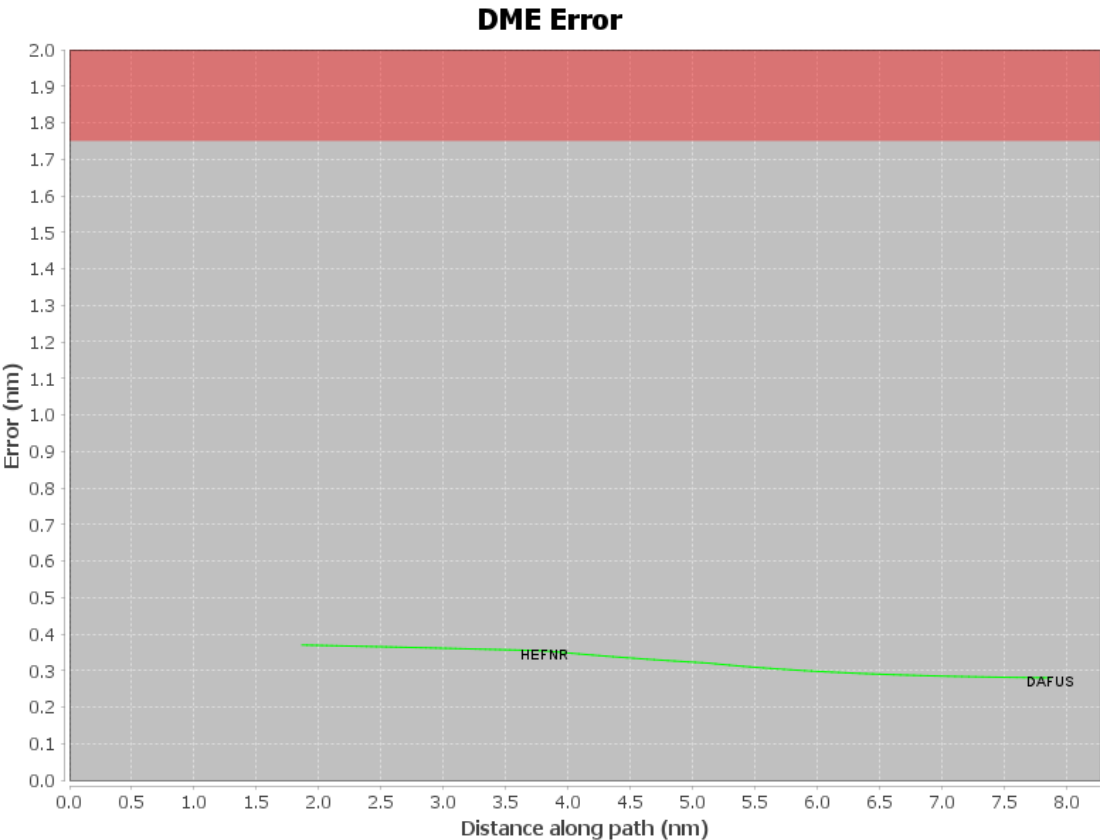
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.9	FTZ	STL				
3.9	TOY	STL	FTZ			
4.7	TOY	STL	CSX	FTZ		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 44' 17.8480", W090° 20' 20.1997"	N38° 43' 16.1118", W090° 18' 24.2606"	1.8279

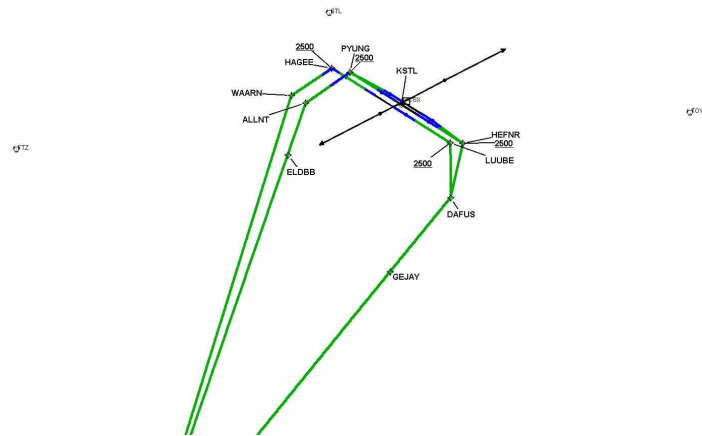
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSTL:RW12L:DER	HEFNR	STL, FTZ	
HEFNR	DAFUS	CSX, STL, FTZ, TOY	

DME DME Assessment Results for BERY6 path KSTL:RW12L:DER_DAFUS

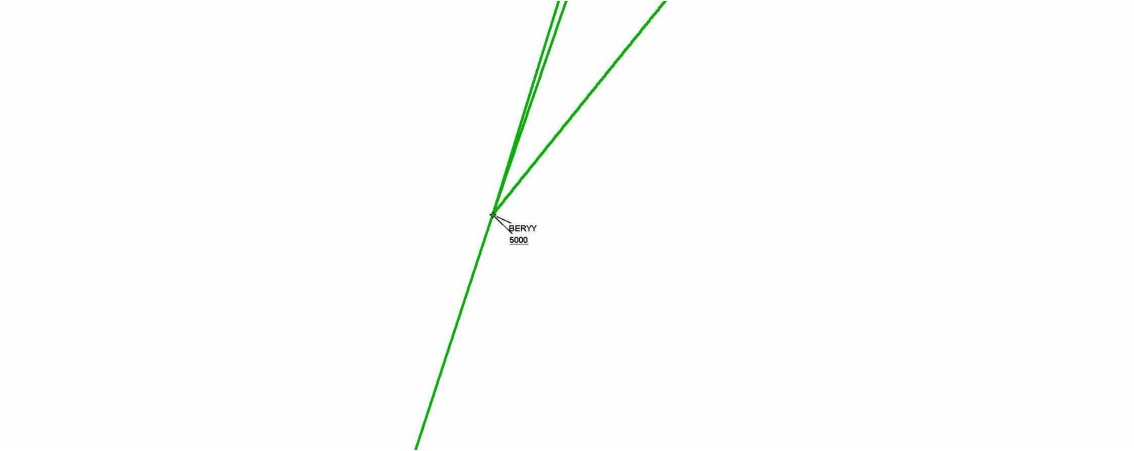
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAM FAA 694136-048 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-048	
ESV:		Bearing [True]: 254.0° to 270.0° Bearing [Mag]: 253.0° to 269.0°				Arc Distance: Out to 44.0 NM Altitude: 5800.0 to 15800.0 ft		
2	LIT FAA 704152-043 LIT [IFPA]	N34° 40' 39.6230", W092° 10' 49.8996"	5.0 E	130	242.2	113.9	LIT FAA 704152-043	
ESV:		Bearing [True]: 12.0° to 23.0° Bearing [Mag]: 7.0° to 18.0°				Arc Distance: Out to 73.0 NM Altitude: 5900.0 to 14800.0 ft		
3	FAM FAA 694136-047 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-047	
ESV:		Bearing [True]: 221.0° to 232.0° Bearing [Mag]: 220.0° to 231.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 15800.0 ft		
4	FTZ FAA 758692-031 FTZ [IFPA]	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	818.9	110.8	FTZ FAA 758692-031	
ESV:		Bearing [True]: 162.0° to 177.0° Bearing [Mag]: 157.0° to 172.0°				Arc Distance: Out to 41.0 NM Altitude: 5000.0 to 18900.0 ft		
5	UJM FAA 211642-013 UJM [IFPA]	N34° 34' 30.1678", W090° 40' 27.8451"	1.0 E	40	242.5	113.65	UJM FAA 211642-013	
ESV:		Bearing [True]: 279.0° to 304.0° Bearing [Mag]: 278.0° to 303.0°				Arc Distance: Out to 80.0 NM Altitude: 5900.0 to 18300.0 ft		
6	VIH FAA 704279-032 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-032	
ESV:		Bearing [True]: 129.0° to 169.0° Bearing [Mag]: 123.0° to 163.0°				Arc Distance: Out to 79.0 NM Altitude: 5800.0 to 19200.0 ft		
7	GQE FAA 780927-039 GQE [IFPA]	N35° 20' 49.3070", W090° 28' 41.3720"	4.0 E	40	211	113.0	GQE FAA 780927-039	
ESV:		Bearing [True]: 248.0° to 268.0° Bearing [Mag]: 244.0° to 264.0°				Arc Distance: Out to 89.0 NM Altitude: 5900.0 to 18300.0 ft		
8	JBR FAA 220649-003 JBR [IFPA]	N35° 52' 29.6973", W090° 35' 18.6134"	0.0 E	40	247	115.85	JBR FAA 220649-003	
ESV:		Bearing [True]: 246.0° to 269.0° Bearing [Mag]: 246.0° to 269.0°				Arc Distance: Out to 71.0 NM Altitude: 5900.0 to 18300.0 ft		
9	ARG FAA 698164-039 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-039	
ESV:		Bearing [True]: 325.0° to 356.0° Bearing [Mag]: 321.0° to 352.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 14800.0 ft		



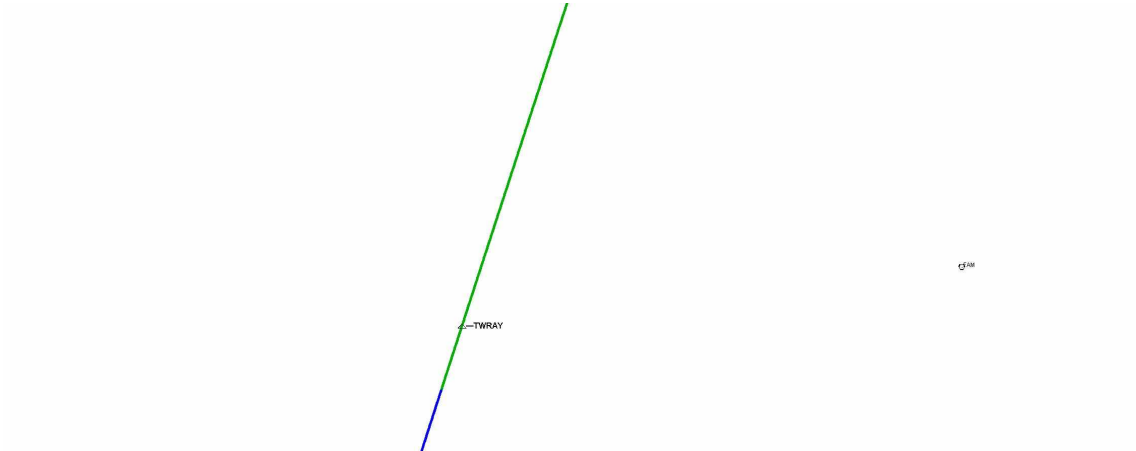
Graphic Depiction 1



Graphic Depiction 2



Graphic Depiction 3



DME DME Assessment Results for BERY6 path KSTL:RW12R:DER_HEFNR

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\BERYY SIX SID DME SCREEN 20240131.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\KSTL [IFPA] BERY6 20240207_0915 CST\KSTL-RW12R-DER_HEFNKSTL BERY6 SID RW12R HEFNR 20240207_0915 CST.pdf
Procedure Name:	BERYY6
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/07/2024 09:15 CST
Databases:	DTED LEVEL 0 MAX

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
KSTL:RW12R:DER	WP	N38° 44' 16.0145", W090° 20' 47.2720"	582.3	VNAV	130	FLY_OVER	TF
HEFNR	WP	N38° 42' 06.3900", W090° 16' 24.5500"	2500	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KSTL [IFPA]
Climb Gradient:	500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for BERYY6 path KSTL:RW12R:DER_HEFNR

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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	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	FTZ	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	L	IFPA	NO	Enabled	46.8 %	52.6 %
2	STL	N38° 51' 38.6039", W090° 28' 56.4560"	1.0 E	130	H	IFPA	NO	Enabled	46.8 %	52.6 %

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

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 44' 14.8676", W090° 20' 44.9458"	N38° 43' 14.5917", W090° 18' 42.7262"	1.8818

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSTL:RW12R:DER	HEFNR	STL, FTZ	

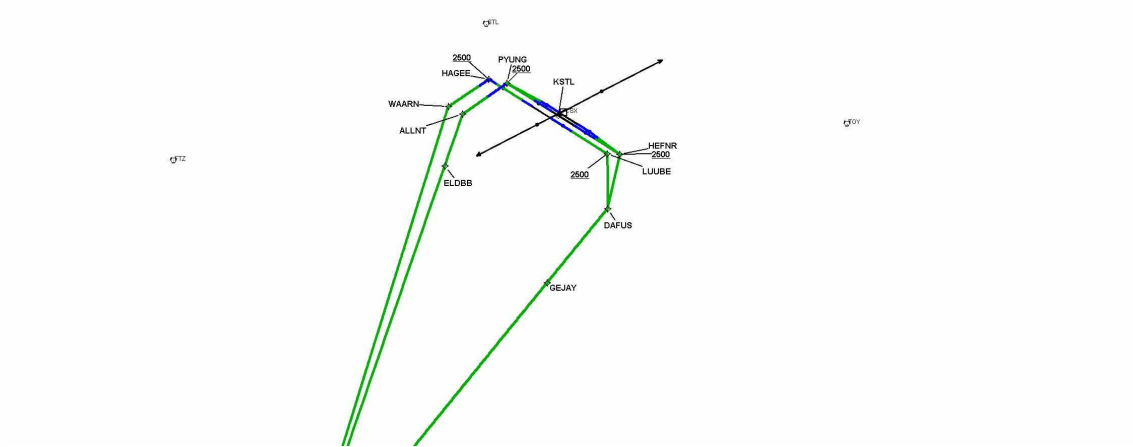
DME DME Assessment Results for BERY6 path KSTL:RW12R:DER_HEFNR

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAM FAA 694136-048 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-048	
ESV:		Bearing [True]: 254.0° to 270.0° Bearing [Mag]: 253.0° to 269.0°				Arc Distance: Out to 44.0 NM Altitude: 5800.0 to 15800.0 ft		
2	LIT FAA 704152-043 LIT [IFPA]	N34° 40' 39.6230", W092° 10' 49.8996"	5.0 E	130	242.2	113.9	LIT FAA 704152-043	
ESV:		Bearing [True]: 12.0° to 23.0° Bearing [Mag]: 7.0° to 18.0°				Arc Distance: Out to 73.0 NM Altitude: 5900.0 to 14800.0 ft		
3	FAM FAA 694136-047 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-047	
ESV:		Bearing [True]: 221.0° to 232.0° Bearing [Mag]: 220.0° to 231.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 15800.0 ft		
4	FTZ FAA 758692-031 FTZ [IFPA]	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	818.9	110.8	FTZ FAA 758692-031	
ESV:		Bearing [True]: 162.0° to 177.0° Bearing [Mag]: 157.0° to 172.0°				Arc Distance: Out to 41.0 NM Altitude: 5000.0 to 18900.0 ft		
5	UJM FAA 211642-013 UJM [IFPA]	N34° 34' 30.1678", W090° 40' 27.8451"	1.0 E	40	242.5	113.65	UJM FAA 211642-013	
ESV:		Bearing [True]: 279.0° to 304.0° Bearing [Mag]: 278.0° to 303.0°				Arc Distance: Out to 80.0 NM Altitude: 5900.0 to 18300.0 ft		
6	VIH FAA 704279-032 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-032	
ESV:		Bearing [True]: 129.0° to 169.0° Bearing [Mag]: 123.0° to 163.0°				Arc Distance: Out to 79.0 NM Altitude: 5800.0 to 19200.0 ft		
7	GQE FAA 780927-039 GQE [IFPA]	N35° 20' 49.3070", W090° 28' 41.3720"	4.0 E	40	211	113.0	GQE FAA 780927-039	
ESV:		Bearing [True]: 248.0° to 268.0° Bearing [Mag]: 244.0° to 264.0°				Arc Distance: Out to 89.0 NM Altitude: 5900.0 to 18300.0 ft		
8	JBR FAA 220649-003 JBR [IFPA]	N35° 52' 29.6973", W090° 35' 18.6134"	0.0 E	40	247	115.85	JBR FAA 220649-003	
ESV:		Bearing [True]: 246.0° to 269.0° Bearing [Mag]: 246.0° to 269.0°				Arc Distance: Out to 71.0 NM Altitude: 5900.0 to 18300.0 ft		
9	ARG FAA 698164-039 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-039	
ESV:		Bearing [True]: 325.0° to 356.0° Bearing [Mag]: 321.0° to 352.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 14800.0 ft		

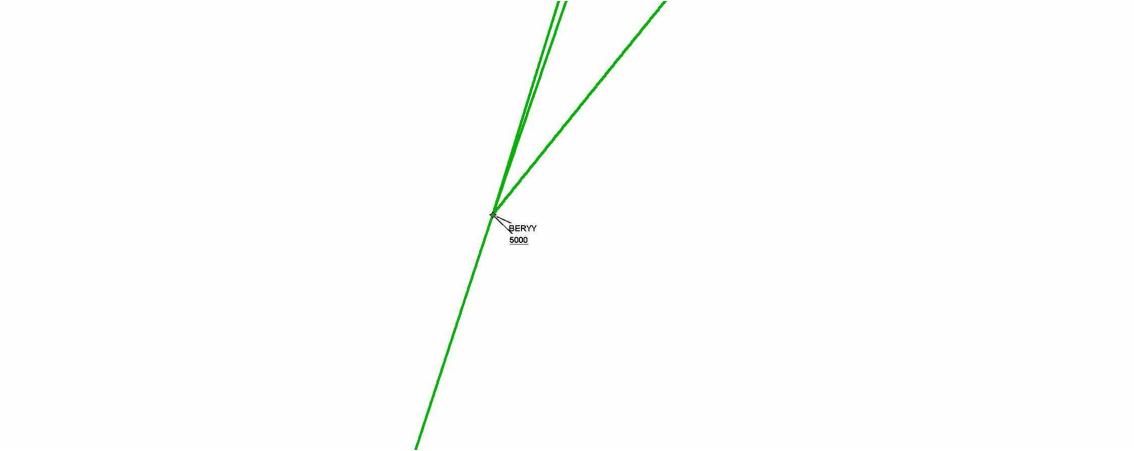


DME DME Assessment Results for BERYY6 path KSTL:RW12R:DER_HEFNR

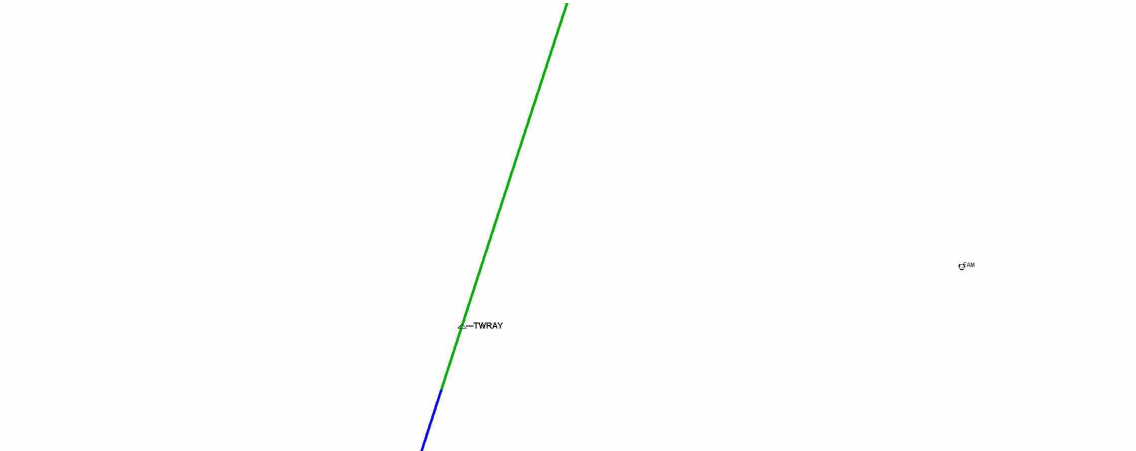
Graphic Depiction 1



Graphic Depiction 2



Graphic Depiction 3



DME DME Assessment Results for BERYY6 path KSTL:RW29:DER_BERYY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\BERYY SIX SID DME SCREEN 20240131.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\KSTL [IFPA] BERYY6 20240207_0915 CST\KSTL-RW29-DER_BERYY\KSTL BERYY6 SID RW29 BERYY 20240207_0915 CST.pdf
Procedure Name:	BERYY6
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/07/2024 09:15 CST
Databases:	DTED LEVEL 0 MAX

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
KSTL:RW29:DER	WP	N38° 45' 35.8282", W090° 24' 35.5403"	616.8	VNAV	130	FLY_OVER	TF
HAGEE	WP	N38° 47' 35.7400", W090° 28' 40.9000"	2500	VNAV	200	FLY_BY	TF
WAARN	WP	N38° 45' 36.1200", W090° 32' 29.9300"	3217.7	VNAV	200	FLY_BY	TF
BERYY	WP	N38° 10' 14.4700", W090° 46' 34.3000"	5000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

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

DME DME Assessment Results for BERYY6 path KSTL:RW29:DER_BERYY

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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	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	TOY	N38° 44' 20.9386", W089° 55' 06.9333"	4.0 E	40	L	IFPA	NO	Enabled	41 %	42.4 %
2	FTZ	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	L	IFPA	NO	Enabled	78.1 %	80.5 %
3	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL	IFPA	NO	Enabled	93.4 %	94.4 %
4	STL	N38° 51' 38.6039", W090° 28' 56.4560"	1.0 E	130	H	IFPA	NO	Enabled	84.8 %	85.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
0.9	CSX	STL				
2.6	FTZ	STL	CSX			
3.1						
4.7	TOY	STL	CSX			
9.1	TOY	STL	FTZ	CSX		
23.5	CSX	FTZ	STL			
40.5	CSX	FTZ				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 45' 36.9778", W090° 24' 37.8737"	N38° 46' 05.7142", W090° 25' 36.2161"	0.8985
2	N38° 47' 16.0072", W090° 27' 59.9119"	N38° 47' 06.3067", W090° 29' 37.2963"	1.5093

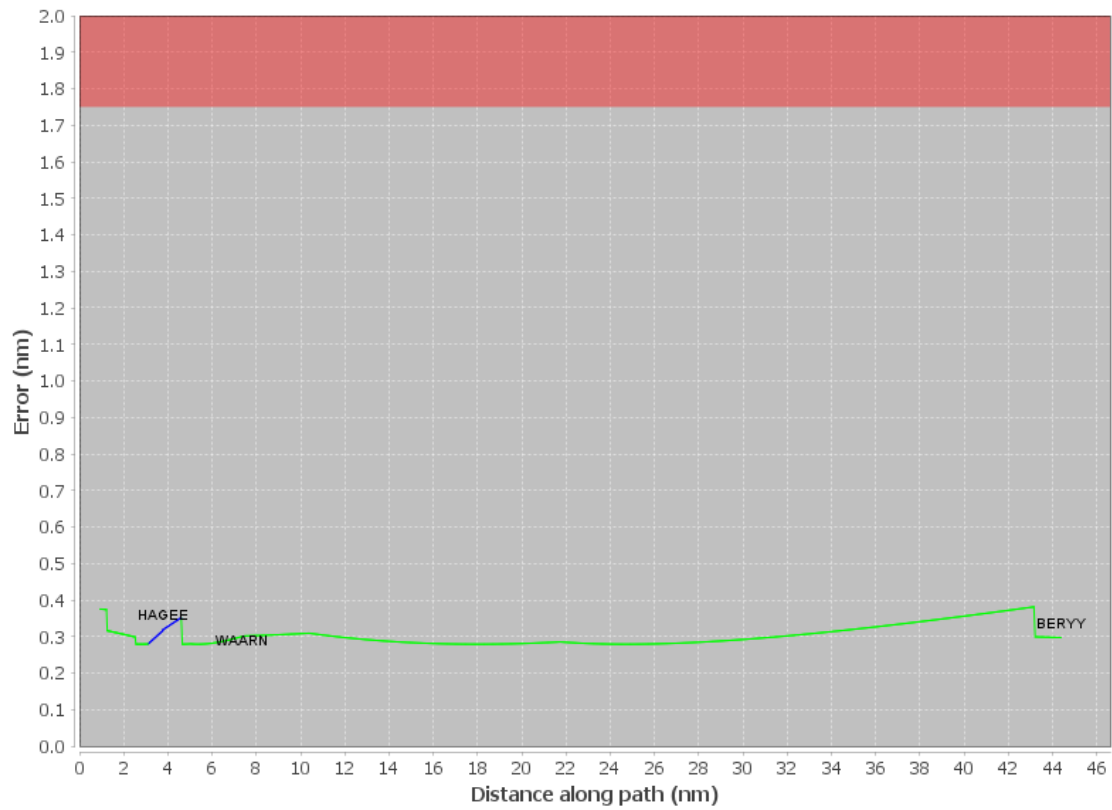
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSTL:RW29:DER	HAGEE	CSX, STL, FTZ	
HAGEE	WAARN	CSX, STL, TOY	
WAARN	BERYY	CSX, STL, FTZ, TOY	

DME DME Assessment Results for BERYY6 path KSTL:RW29:DER_BERYY

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAM FAA 694136-048 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-048	
ESV:		Bearing [True]: 254.0° to 270.0° Bearing [Mag]: 253.0° to 269.0°				Arc Distance: Out to 44.0 NM Altitude: 5800.0 to 15800.0 ft		
2	LIT FAA 704152-043 LIT [IFPA]	N34° 40' 39.6230", W092° 10' 49.8996"	5.0 E	130	242.2	113.9	LIT FAA 704152-043	
ESV:		Bearing [True]: 12.0° to 23.0° Bearing [Mag]: 7.0° to 18.0°				Arc Distance: Out to 73.0 NM Altitude: 5900.0 to 14800.0 ft		
3	FAM FAA 694136-047 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-047	
ESV:		Bearing [True]: 221.0° to 232.0° Bearing [Mag]: 220.0° to 231.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 15800.0 ft		
4	FTZ FAA 758692-031 FTZ [IFPA]	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	818.9	110.8	FTZ FAA 758692-031	
ESV:		Bearing [True]: 162.0° to 177.0° Bearing [Mag]: 157.0° to 172.0°				Arc Distance: Out to 41.0 NM Altitude: 5000.0 to 18900.0 ft		
5	UJM FAA 211642-013 UJM [IFPA]	N34° 34' 30.1678", W090° 40' 27.8451"	1.0 E	40	242.5	113.65	UJM FAA 211642-013	
ESV:		Bearing [True]: 279.0° to 304.0° Bearing [Mag]: 278.0° to 303.0°				Arc Distance: Out to 80.0 NM Altitude: 5900.0 to 18300.0 ft		
6	VIH FAA 704279-032 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-032	
ESV:		Bearing [True]: 129.0° to 169.0° Bearing [Mag]: 123.0° to 163.0°				Arc Distance: Out to 79.0 NM Altitude: 5800.0 to 19200.0 ft		
7	GQE FAA 780927-039 GQE [IFPA]	N35° 20' 49.3070", W090° 28' 41.3720"	4.0 E	40	211	113.0	GQE FAA 780927-039	
ESV:		Bearing [True]: 248.0° to 268.0° Bearing [Mag]: 244.0° to 264.0°				Arc Distance: Out to 89.0 NM Altitude: 5900.0 to 18300.0 ft		
8	JBR FAA 220649-003 JBR [IFPA]	N35° 52' 29.6973", W090° 35' 18.6134"	0.0 E	40	247	115.85	JBR FAA 220649-003	
ESV:		Bearing [True]: 246.0° to 269.0° Bearing [Mag]: 246.0° to 269.0°				Arc Distance: Out to 71.0 NM Altitude: 5900.0 to 18300.0 ft		
9	ARG FAA 698164-039 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-039	
ESV:		Bearing [True]: 325.0° to 356.0° Bearing [Mag]: 321.0° to 352.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 14800.0 ft		

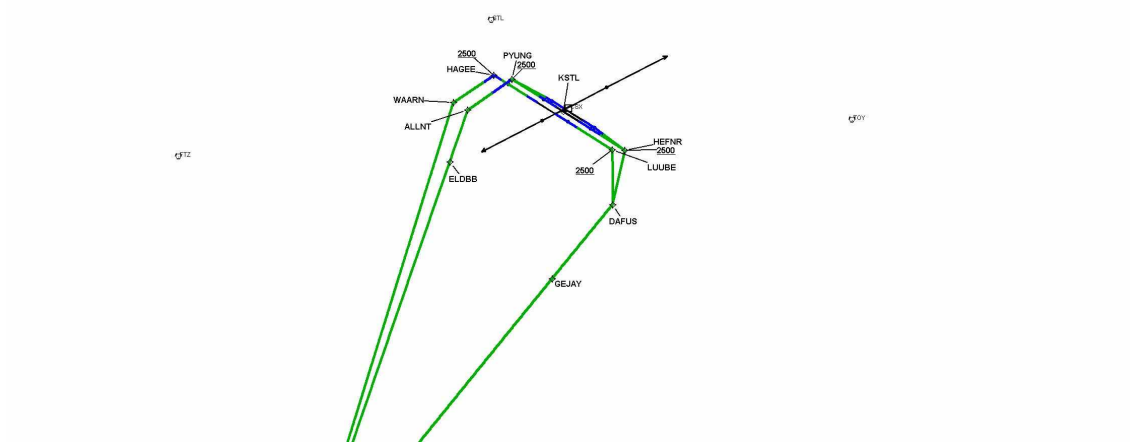
DME DME Assessment Results for BERYY6 path KSTL:RW29:DER_BERYY

DME Error



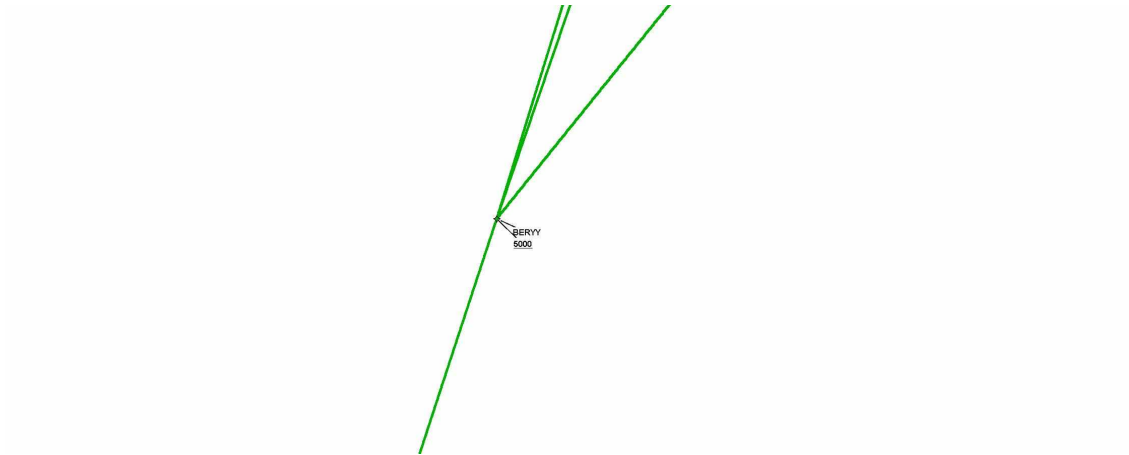
DME DME Assessment Results for BERYY6 path KSTL:RW29:DER_BERYY

Graphic Depiction 1



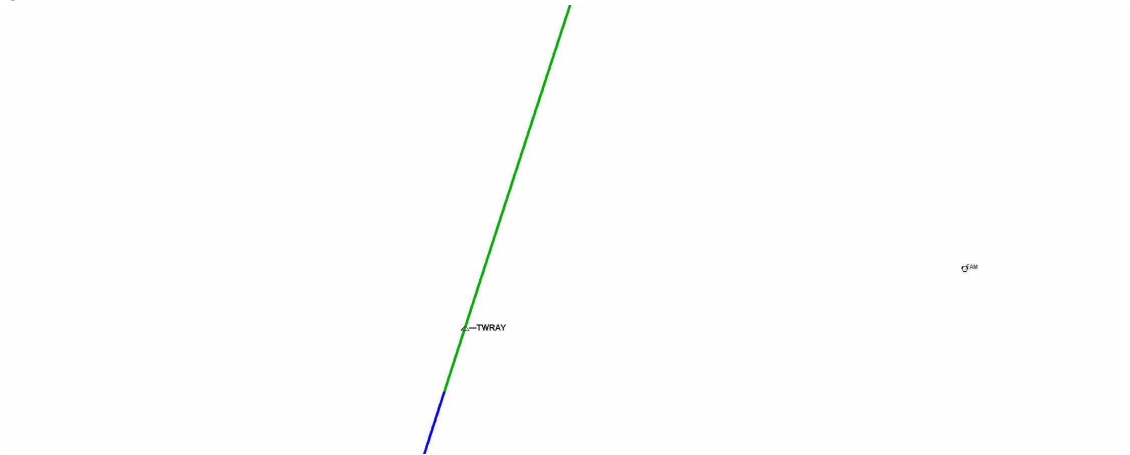
DME DME Assessment Results for BERYY6 path KSTL:RW29:DER_BERYY

Graphic Depiction 2



DME DME Assessment Results for BERYY6 path KSTL:RW29:DER_BERYY

Graphic Depiction 3



DME DME Assessment Results for BERY6 path KSTL:RW30L:DER_BERY

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\BERYY SIX SID DME SCREEN 20240131.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\KSTL [IFPA] BERY6 20240207_0915 CST\KSTL-RW30L-DER_BERY\KSTL BERY6 SID RW30L BERY 20240207_0915 CST.pdf
Procedure Name:	BERYY6
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/07/2024 09:15 CST
Databases:	DTED LEVEL 0 MAX

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
KSTL:RW30L:DER	WP	N38° 45' 14.0539", W090° 22' 44.9719"	539.6	VNAV	130	FLY_OVER	TF
PYUNG	WP	N38° 47' 18.7300", W090° 27' 00.0700"	2500	VNAV	200	FLY_BY	TF
ALLNT	WP	N38° 45' 02.9700", W090° 31' 08.6900"	3290.2	VNAV	200	FLY_BY	TF
ELDBB	WP	N38° 41' 16.2100", W090° 32' 49.9600"	4090.2	VNAV	200	FLY_BY	TF
BERYY	WP	N38° 10' 14.4700", W090° 46' 34.3000"	5000	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KSTL [IFPA]
Climb Gradient:	500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for BERY6 path KSTL:RW30L:DER_BERY6

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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	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	TOY	N38° 44' 20.9386", W089° 55' 06.9333"	4.0 E	40	L	IFPA	NO	Enabled	41.7 %	42.7 %
2	FTZ	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	L	IFPA	NO	Enabled	85.9 %	87.2 %
3	STL	N38° 51' 38.6039", W090° 28' 56.4560"	1.0 E	130	H	IFPA	NO	Enabled	82.6 %	83.8 %
4	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL	IFPA	NO	Enabled	89.3 %	91.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.6	FTZ	STL				
2.2	FTZ	STL	CSX			
4.0						
5.7	TOY	STL	CSX			
8.1	TOY	STL	CSX	FTZ		
24.8	CSX	FTZ	STL			
40.8	CSX	FTZ				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 45' 15.1796", W090° 22' 47.2548"	N38° 46' 03.8868", W090° 24' 26.3625"	1.5234
2	N38° 47' 18.7300", W090° 27' 00.0700"	N38° 46' 18.4105", W090° 28' 50.6001"	1.7561

DME DME Assessment Results for BERYY6 path KSTL:RW30L:DER_BERYY

Available DMEs by Waypoints

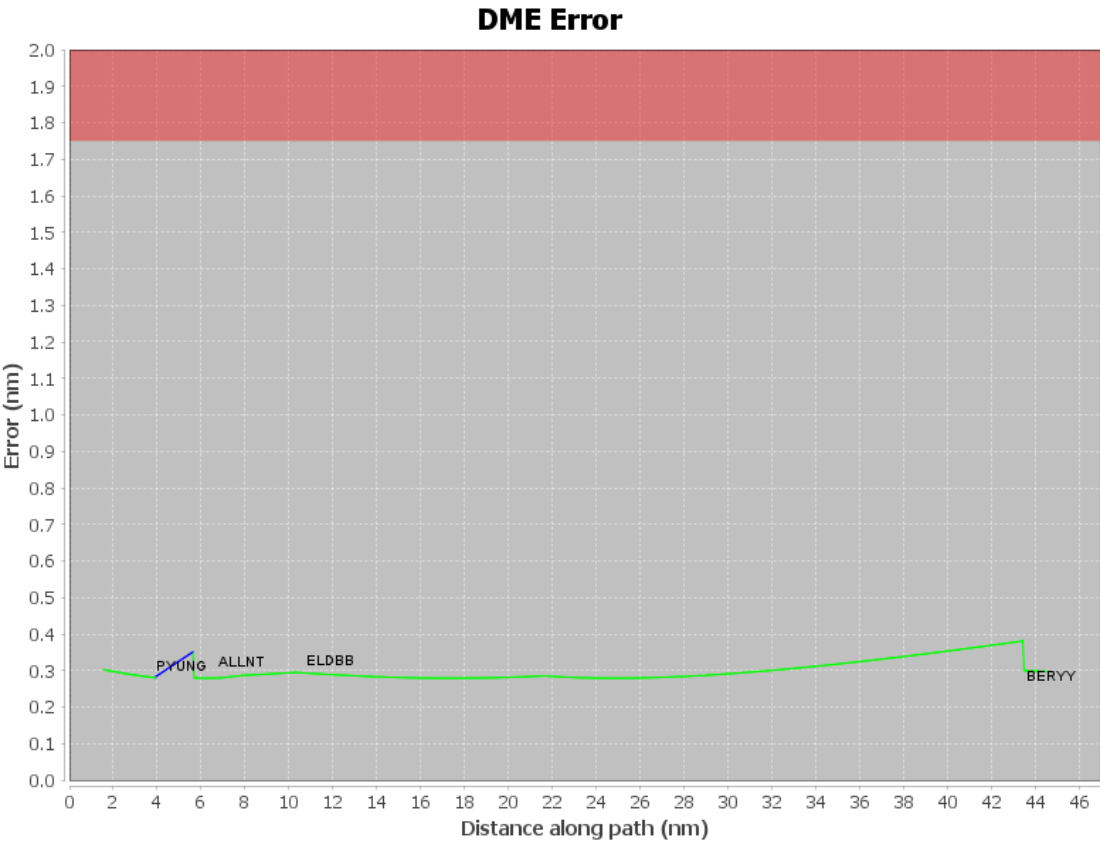
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSTL:RW30L:DER	PYUNG	CSX, STL, FTZ	
PYUNG	ALLNT	CSX, STL, TOY	
ALLNT	ELDBB	CSX, STL, FTZ, TOY	
ELDBB	BERYY	CSX, STL, FTZ, TOY	

User Data Files

#	File Name
1	New Analysis.udt

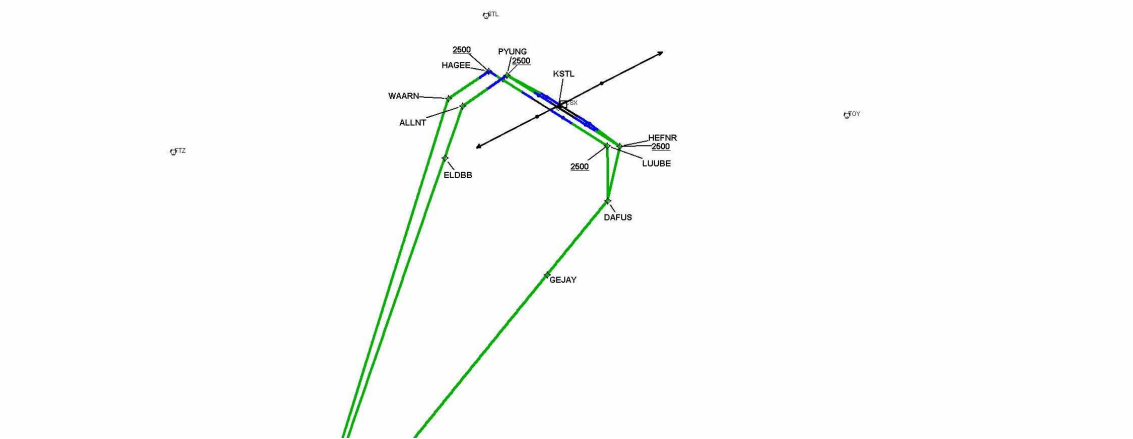
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAM FAA 694136-048 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-048	
ESV:		Bearing [True]: 254.0° to 270.0° Bearing [Mag]: 253.0° to 269.0°				Arc Distance: Out to 44.0 NM Altitude: 5800.0 to 15800.0 ft		
2	LIT FAA 704152-043 LIT [IFPA]	N34° 40' 39.6230", W092° 10' 49.8996"	5.0 E	130	242.2	113.9	LIT FAA 704152-043	
ESV:		Bearing [True]: 12.0° to 23.0° Bearing [Mag]: 7.0° to 18.0°				Arc Distance: Out to 73.0 NM Altitude: 5900.0 to 14800.0 ft		
3	FAM FAA 694136-047 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-047	
ESV:		Bearing [True]: 221.0° to 232.0° Bearing [Mag]: 220.0° to 231.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 15800.0 ft		
4	FTZ FAA 758692-031 FTZ [IFPA]	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	818.9	110.8	FTZ FAA 758692-031	
ESV:		Bearing [True]: 162.0° to 177.0° Bearing [Mag]: 157.0° to 172.0°				Arc Distance: Out to 41.0 NM Altitude: 5000.0 to 18900.0 ft		
5	UJM FAA 211642-013 UJM [IFPA]	N34° 34' 30.1678", W090° 40' 27.8451"	1.0 E	40	242.5	113.65	UJM FAA 211642-013	
ESV:		Bearing [True]: 279.0° to 304.0° Bearing [Mag]: 278.0° to 303.0°				Arc Distance: Out to 80.0 NM Altitude: 5900.0 to 18300.0 ft		
6	VIH FAA 704279-032 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-032	
ESV:		Bearing [True]: 129.0° to 169.0° Bearing [Mag]: 123.0° to 163.0°				Arc Distance: Out to 79.0 NM Altitude: 5800.0 to 19200.0 ft		
7	GQE FAA 780927-039 GQE [IFPA]	N35° 20' 49.3070", W090° 28' 41.3720"	4.0 E	40	211	113.0	GQE FAA 780927-039	
ESV:		Bearing [True]: 248.0° to 268.0° Bearing [Mag]: 244.0° to 264.0°				Arc Distance: Out to 89.0 NM Altitude: 5900.0 to 18300.0 ft		
8	JBR FAA 220649-003 JBR [IFPA]	N35° 52' 29.6973", W090° 35' 18.6134"	0.0 E	40	247	115.85	JBR FAA 220649-003	
ESV:		Bearing [True]: 246.0° to 269.0° Bearing [Mag]: 246.0° to 269.0°				Arc Distance: Out to 71.0 NM Altitude: 5900.0 to 18300.0 ft		
9	ARG FAA 698164-039 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-039	
ESV:		Bearing [True]: 325.0° to 356.0° Bearing [Mag]: 321.0° to 352.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 14800.0 ft		

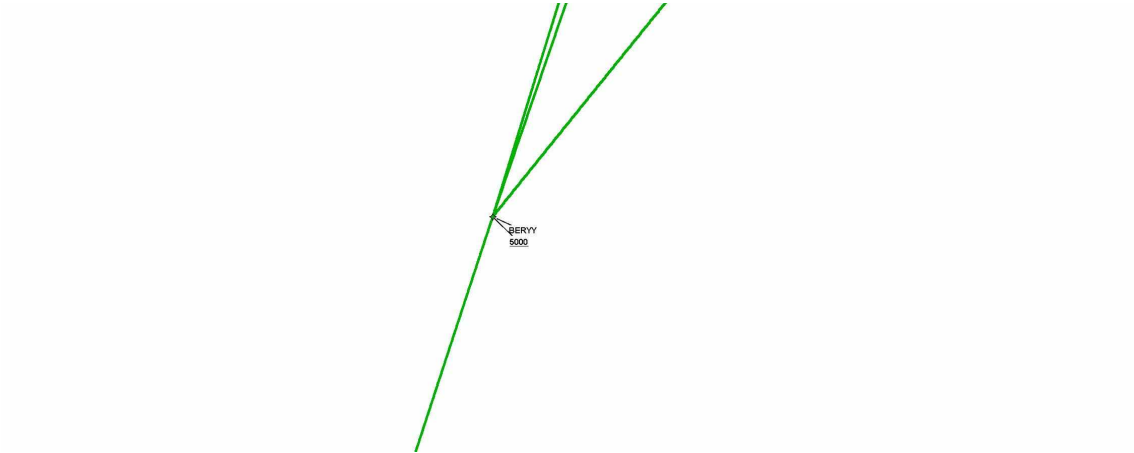


DME DME Assessment Results for BERYY6 path KSTL:RW30L:DER_BERYY

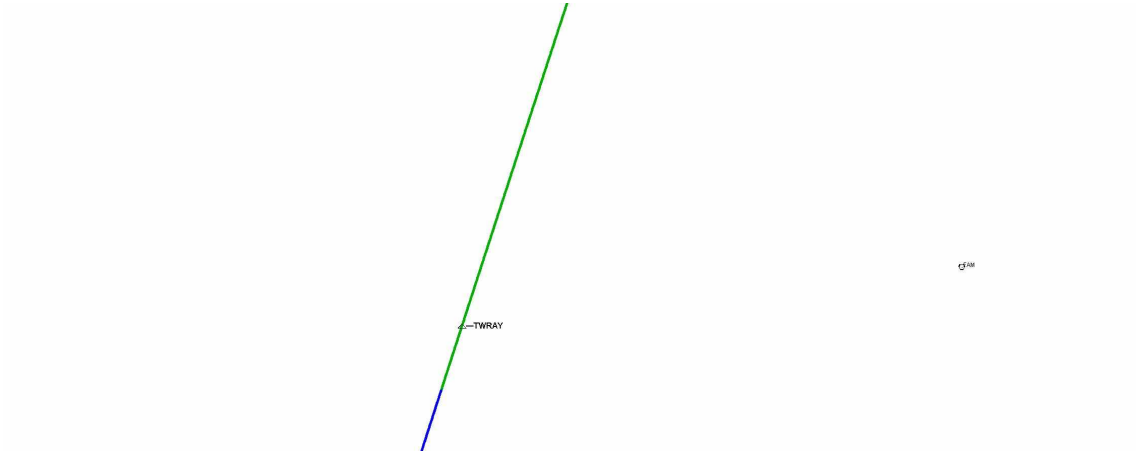
Graphic Depiction 1



Graphic Depiction 2



Graphic Depiction 3



DME DME Assessment Results for BERYY6 path KSTL:RW30R:DER_PYUNG

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\BERYY SIX SID DME SCREEN 20240131.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSTL\BERYY SID\KSTL [IFPA] BERYY6 20240207_0915 CST\KSTL-RW30R-DER_PYUNG\KSTL BERYY6 SID RW30R PYUNG 20240207_0915 CST.pdf
Procedure Name:	BERYY6
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/07/2024 09:15 CST
Databases:	DTED LEVEL 0 MAX

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
KSTL:RW30R:DER	WP	N38° 45' 06.4559", W090° 21' 58.7582"	527.7	VNAV	130	FLY_OVER	TF
PYUNG	WP	N38° 47' 18.7300", W090° 27' 00.0700"	2500	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KSTL [IFPA]
Climb Gradient:	500.0 ft/NM up to 1120.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for BERY6 path KSTL:RW30R:DER_PYUNG

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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	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	FTZ	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	L	IFPA	NO	Enabled	57 %	62.2 %
2	STL	N38° 51' 38.6039", W090° 28' 56.4560"	1.0 E	130	H	IFPA	NO	Enabled	57 %	62.2 %
3	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL	IFPA	NO	Enabled	31.9 %	37.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.7	FTZ	STL				
2.8	FTZ	STL	CSX			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 45' 07.6050", W090° 22' 01.0876"	N38° 45' 59.1571", W090° 23' 50.7807"	1.6666

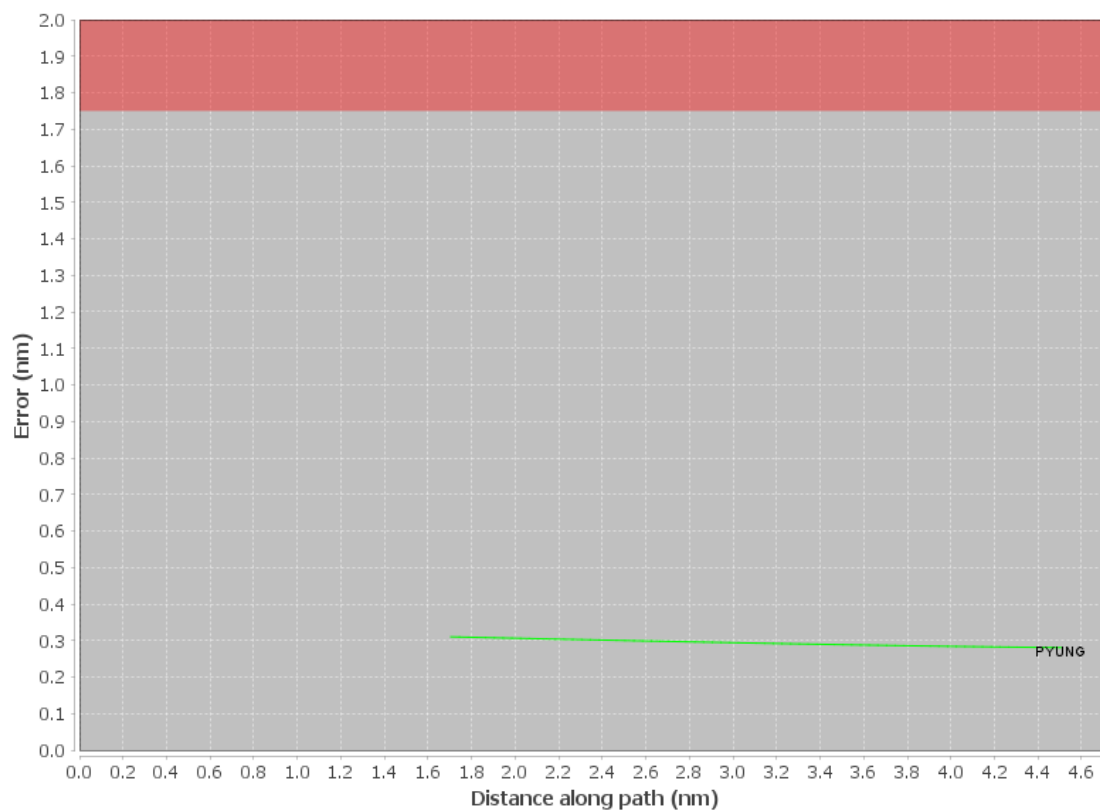
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSTL:RW30R:DER	PYUNG	CSX, STL, FTZ	

DME DME Assessment Results for BERY6 path KSTL:RW30R:DER_PYUNG

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAM FAA 694136-048 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-048	
ESV:		Bearing [True]: 254.0° to 270.0° Bearing [Mag]: 253.0° to 269.0°				Arc Distance: Out to 44.0 NM Altitude: 5800.0 to 15800.0 ft		
2	LIT FAA 704152-043 LIT [IFPA]	N34° 40' 39.6230", W092° 10' 49.8996"	5.0 E	130	242.2	113.9	LIT FAA 704152-043	
ESV:		Bearing [True]: 12.0° to 23.0° Bearing [Mag]: 7.0° to 18.0°				Arc Distance: Out to 73.0 NM Altitude: 5900.0 to 14800.0 ft		
3	FAM FAA 694136-047 FAM [IFPA]	N37° 40' 24.4664", W090° 14' 02.6206"	1.0 E	130	1222	115.7	FAM FAA 694136-047	
ESV:		Bearing [True]: 221.0° to 232.0° Bearing [Mag]: 220.0° to 231.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 15800.0 ft		
4	FTZ FAA 758692-031 FTZ [IFPA]	N38° 41' 39.6013", W090° 58' 16.5696"	5.0 E	40	818.9	110.8	FTZ FAA 758692-031	
ESV:		Bearing [True]: 162.0° to 177.0° Bearing [Mag]: 157.0° to 172.0°				Arc Distance: Out to 41.0 NM Altitude: 5000.0 to 18900.0 ft		
5	UJM FAA 211642-013 UJM [IFPA]	N34° 34' 30.1678", W090° 40' 27.8451"	1.0 E	40	242.5	113.65	UJM FAA 211642-013	
ESV:		Bearing [True]: 279.0° to 304.0° Bearing [Mag]: 278.0° to 303.0°				Arc Distance: Out to 80.0 NM Altitude: 5900.0 to 18300.0 ft		
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ESV:		Bearing [True]: 129.0° to 169.0° Bearing [Mag]: 123.0° to 163.0°				Arc Distance: Out to 79.0 NM Altitude: 5800.0 to 19200.0 ft		
7	GQE FAA 780927-039 GQE [IFPA]	N35° 20' 49.3070", W090° 28' 41.3720"	4.0 E	40	211	113.0	GQE FAA 780927-039	
ESV:		Bearing [True]: 248.0° to 268.0° Bearing [Mag]: 244.0° to 264.0°				Arc Distance: Out to 89.0 NM Altitude: 5900.0 to 18300.0 ft		
8	JBR FAA 220649-003 JBR [IFPA]	N35° 52' 29.6973", W090° 35' 18.6134"	0.0 E	40	247	115.85	JBR FAA 220649-003	
ESV:		Bearing [True]: 246.0° to 269.0° Bearing [Mag]: 246.0° to 269.0°				Arc Distance: Out to 71.0 NM Altitude: 5900.0 to 18300.0 ft		
9	ARG FAA 698164-039 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-039	
ESV:		Bearing [True]: 325.0° to 356.0° Bearing [Mag]: 321.0° to 352.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 14800.0 ft		

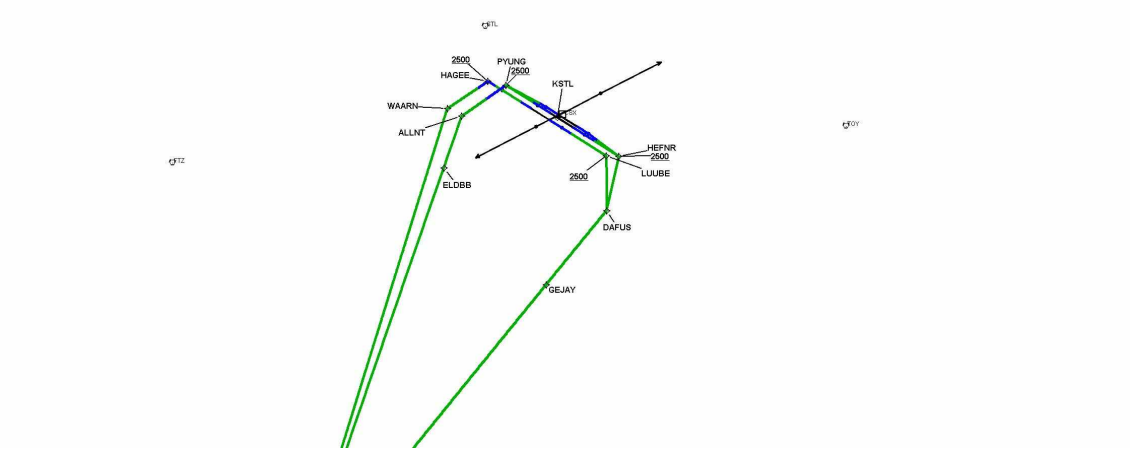
DME DME Assessment Results for BERYY6 path KSTL:RW30R:DER_PYUNG

DME Error

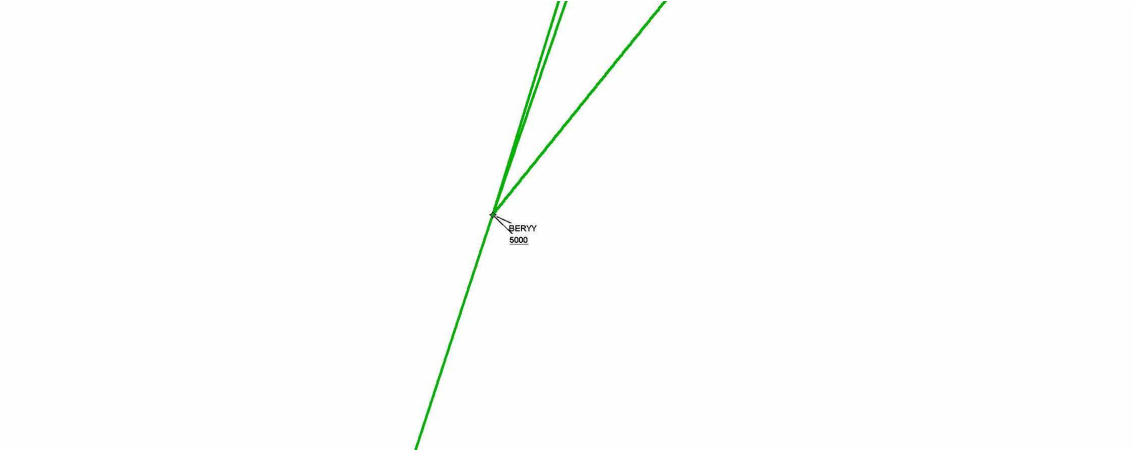


DME DME Assessment Results for BERYY6 path KSTL:RW30R:DER_PYUNG

Graphic Depiction 1



Graphic Depiction 2



Graphic Depiction 3

