

DME DME Assessment Results for SCRLT1 path BRTUS_WERUP

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH SCRLT ONE (RNAV) STAR DME Brechbiel 20201208.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH [IFPA] SCRLT1 20201215_0953 CST\BRTUS_WERUP\KCMH SCRLT1 RNAV STAR BRTUS WERUP 20201215_0953 CST.pdf
Procedure Name:	SCRLT1
Software: DmeDmePlugin:	6.2.0
Date/Time:	12/15/2020 09:53 CST
Databases:	DTED Level 0 Max

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
BRTUS	WP	N39° 43' 51.40", W082° 28' 23.11"	5000	VNAV	210	FLY_BY	TF
WERUP	WP	N39° 54' 57.47", W082° 39' 10.36"	2400	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCMH [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 SCRLT1 path BRTUS_WERUP

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:	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:	CKB

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	APE	N40° 09' 03.83", W082° 35' 17.88"	6.0 W	130	H	IFPA	NO	Enabled	92.9 %	92.9 %
2	ZZV	N39° 56' 27.09", W081° 53' 33.37"	6.0 W	130	H	IFPA	NO	Enabled	92.9 %	92.9 %
3	HNN	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	H	IFPA	NO	Enabled		
4	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HNN	ZZV	APE			
0.1	ZZV	APE				
4.0						
5.0	ZZV	APE				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 47' 04.61", W082° 31' 30.40"	N39° 47' 49.40", W082° 32' 13.87"	0.9318

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
BRTUS	WERUP	APE, ZZV, HNN

DME DME Assessment Results for SCRLT1 path BRTUS_WERUP

User Data Files

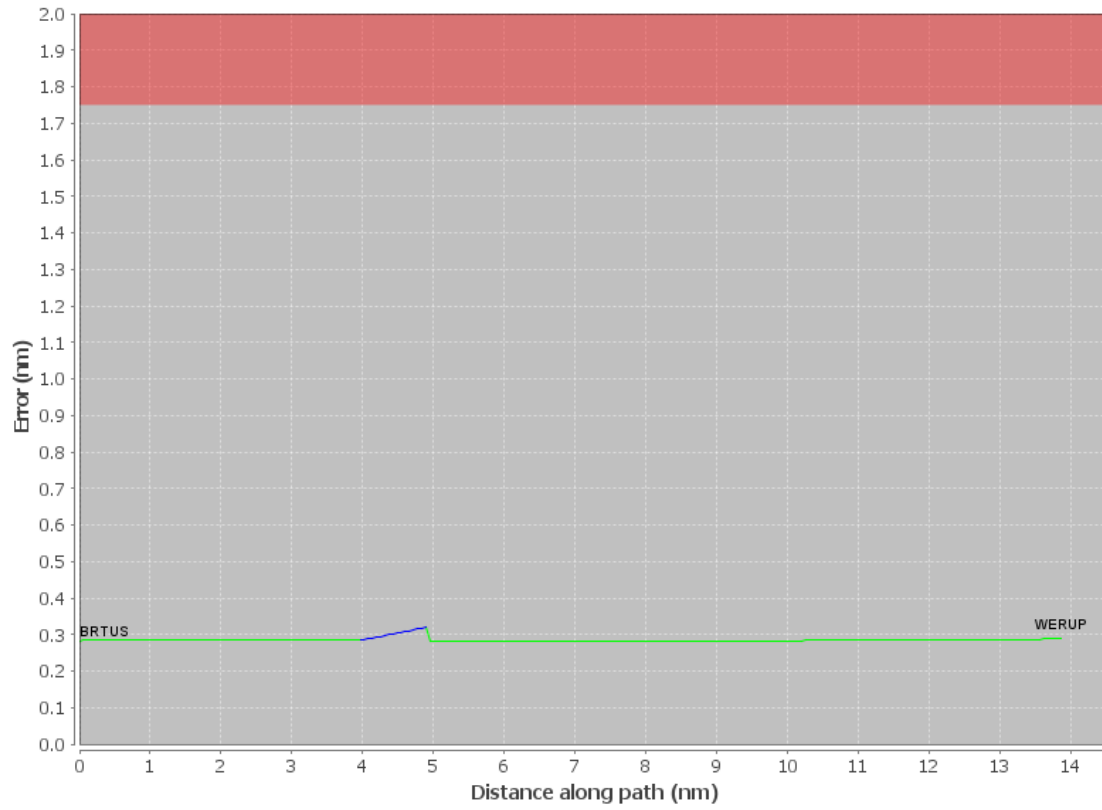
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1	New Analysis.udt
2	UserDMEsKCMH [IFPA] SCRLT1 RNAV STAR_20200911_1350 CDT.udt

User DMEs

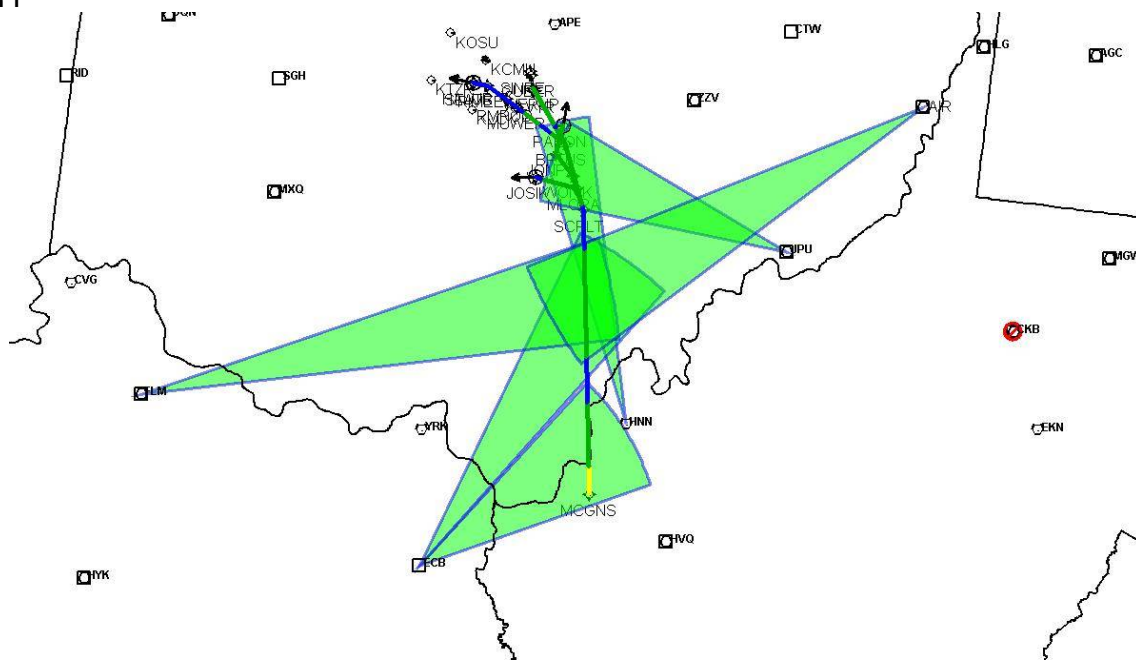
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AIR FAA 691517 - 026 AIR [IFPA]	N40° 00' 59.78", W080° 49' 01.94"	7.0 W	130	1284.5	117.1	AIR FAA 691517 - 026	
ESV:		Bearing [True]: 227.0° to 242.0° Bearing [Mag]: 234.0° to 249.0°				Arc Distance: Out to 93.0 NM Altitude: 8900.0 to 16000.0 ft		
2	JPU FAA 110239 - 003 JPU [IFPA]	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	1016.1	108.6	JPU FAA 110239 - 003	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
3	ECB FAA 703985 - 006 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 006	
ESV:		Bearing [True]: 36.0° to 64.0° Bearing [Mag]: 36.0° to 64.0°				Arc Distance: Out to 54.0 NM Altitude: 8900.0 to 17000.0 ft		
4	FLM FAA 682019 - 035 FLM [IFPA]	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	808.5	117.0	FLM FAA 682019 - 035	
ESV:		Bearing [True]: 64.0° to 76.0° Bearing [Mag]: 68.0° to 80.0°				Arc Distance: Out to 106.0 NM Altitude: 8900.0 to 20000.0 ft		
5	ECB FAA 703985 - 005 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 005	
ESV:		Bearing [True]: 19.0° to 35.0° Bearing [Mag]: 19.0° to 35.0°				Arc Distance: Out to 80.0 NM Altitude: 8900.0 to 20000.0 ft		
6	HNN FAA 760654 - 015 HNN [IFPA]	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	880	115.9	HNN FAA 760654 - 015	
ESV:		Bearing [True]: 336.0° to 346.0° Bearing [Mag]: 339.0° to 349.0°				Arc Distance: Out to 67.0 NM Altitude: 5000.0 to 16000.0 ft		

DME DME Assessment Results for SCRLT1 path BRTUS_WERUP

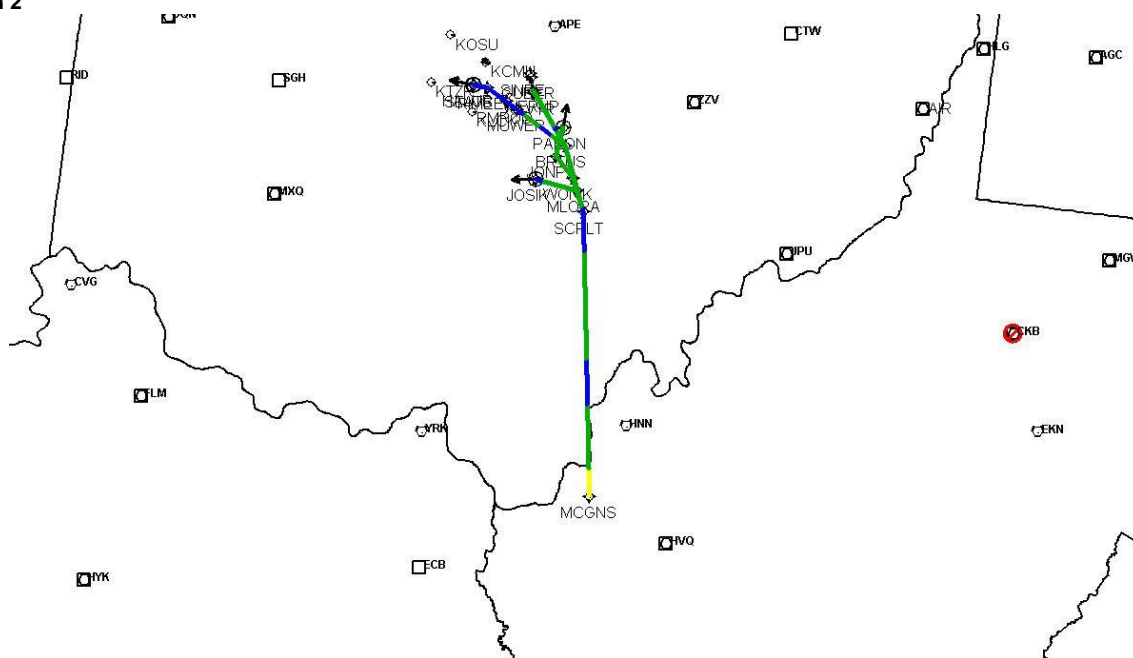
DME Error



Graphic Depiction 1



Graphic Depiction 2



DME DME Assessment Results for SCRLT1 path BRTUS_XAVYR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH SCRLT ONE (RNAV) STAR DME Brechbiel 20201208.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH [IFPA] SCRLT1 20201215_0953 CST\BRTUS_XAVYR\KCMH SCRLT1 RNAV STAR BRTUS XAVYR 20201215_0953 CST.pdf
Procedure Name:	SCRLT1
Software: DmeDmePlugin:	6.2.0
Date/Time:	12/15/2020 09:53 CST
Databases:	DTED Level 0 Max

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
BRTUS	WP	N39° 43' 51.40", W082° 28' 23.11"	5000	VNAV	210	FLY_BY	TF
XAVYR	WP	N39° 54' 22.19", W082° 38' 50.37"	2400	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCMH [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 SCRLT1 path BRTUS_XAVYR

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:	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:	CKB

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	APE	N40° 09' 03.83", W082° 35' 17.88"	6.0 W	130	H	IFPA	NO	Enabled	92.5 %	92.5 %
2	ZZV	N39° 56' 27.09", W081° 53' 33.37"	6.0 W	130	H	IFPA	NO	Enabled	92.5 %	92.5 %
3	HNN	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	H	IFPA	NO	Enabled		
4	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HNN	ZZV	APE			
0.1	ZZV	APE				
4.0						
5.0	ZZV	APE				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 47' 03.24", W082° 31' 33.44"	N39° 47' 47.71", W082° 32' 17.62"	0.9331

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
BRTUS	XAVYR	APE, ZZV, HNN

DME DME Assessment Results for SCRLT1 path BRTUS_XAVYR

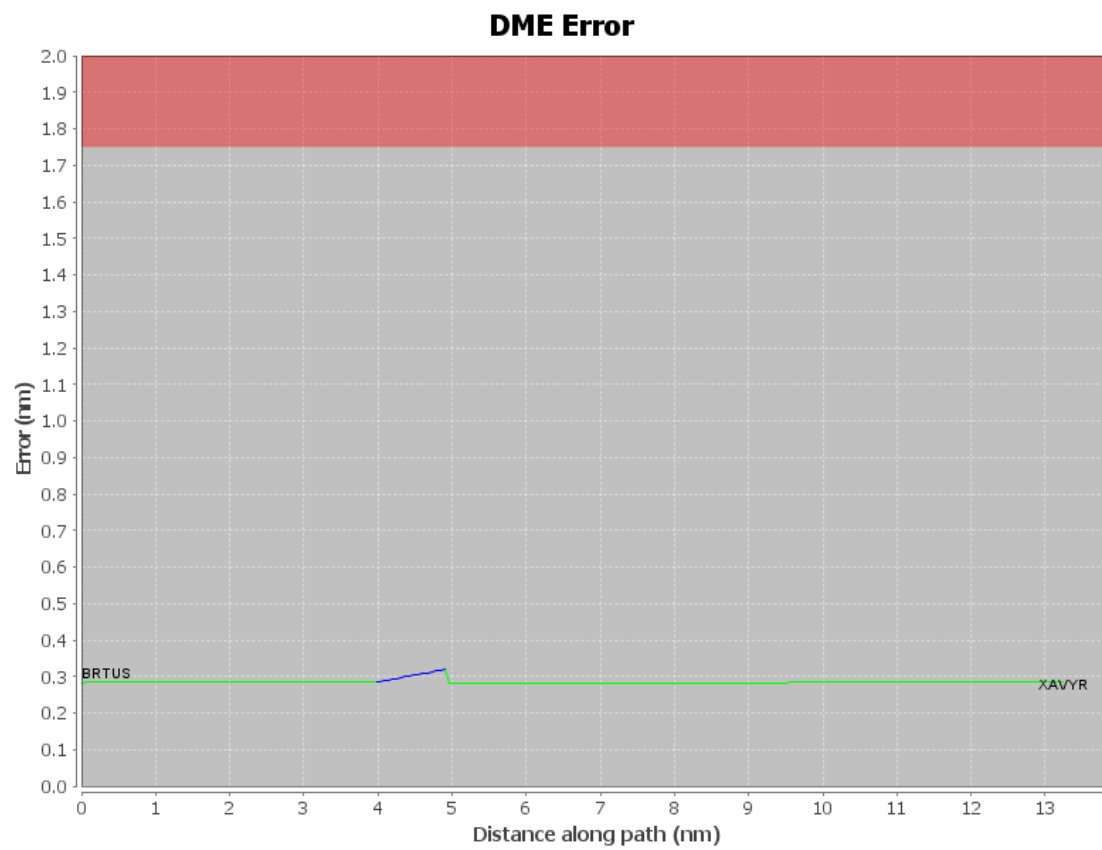
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMEsKCMH [IFPA] SCRLT1 RNAV STAR_20200911_1350 CDT.udt

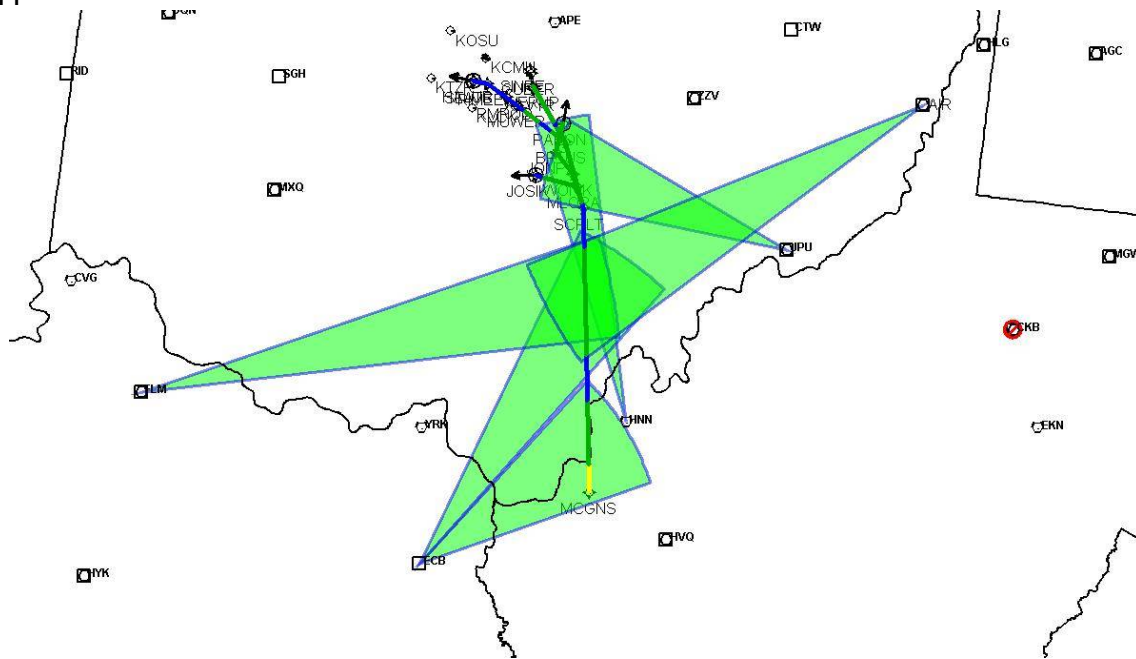
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AIR FAA 691517 - 026 AIR [IFPA]	N40° 00' 59.78", W080° 49' 01.94"	7.0 W	130	1284.5	117.1	AIR FAA 691517 - 026	
ESV:		Bearing [True]: 227.0° to 242.0° Bearing [Mag]: 234.0° to 249.0°				Arc Distance: Out to 93.0 NM Altitude: 8900.0 to 16000.0 ft		
2	JPU FAA 110239 - 003 JPU [IFPA]	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	1016.1	108.6	JPU FAA 110239 - 003	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
3	ECB FAA 703985 - 006 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 006	
ESV:		Bearing [True]: 36.0° to 64.0° Bearing [Mag]: 36.0° to 64.0°				Arc Distance: Out to 54.0 NM Altitude: 8900.0 to 17000.0 ft		
4	FLM FAA 682019 - 035 FLM [IFPA]	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	808.5	117.0	FLM FAA 682019 - 035	
ESV:		Bearing [True]: 64.0° to 76.0° Bearing [Mag]: 68.0° to 80.0°				Arc Distance: Out to 106.0 NM Altitude: 8900.0 to 20000.0 ft		
5	ECB FAA 703985 - 005 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 005	
ESV:		Bearing [True]: 19.0° to 35.0° Bearing [Mag]: 19.0° to 35.0°				Arc Distance: Out to 80.0 NM Altitude: 8900.0 to 20000.0 ft		
6	HNN FAA 760654 - 015 HNN [IFPA]	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	880	115.9	HNN FAA 760654 - 015	
ESV:		Bearing [True]: 336.0° to 346.0° Bearing [Mag]: 339.0° to 349.0°				Arc Distance: Out to 67.0 NM Altitude: 5000.0 to 16000.0 ft		

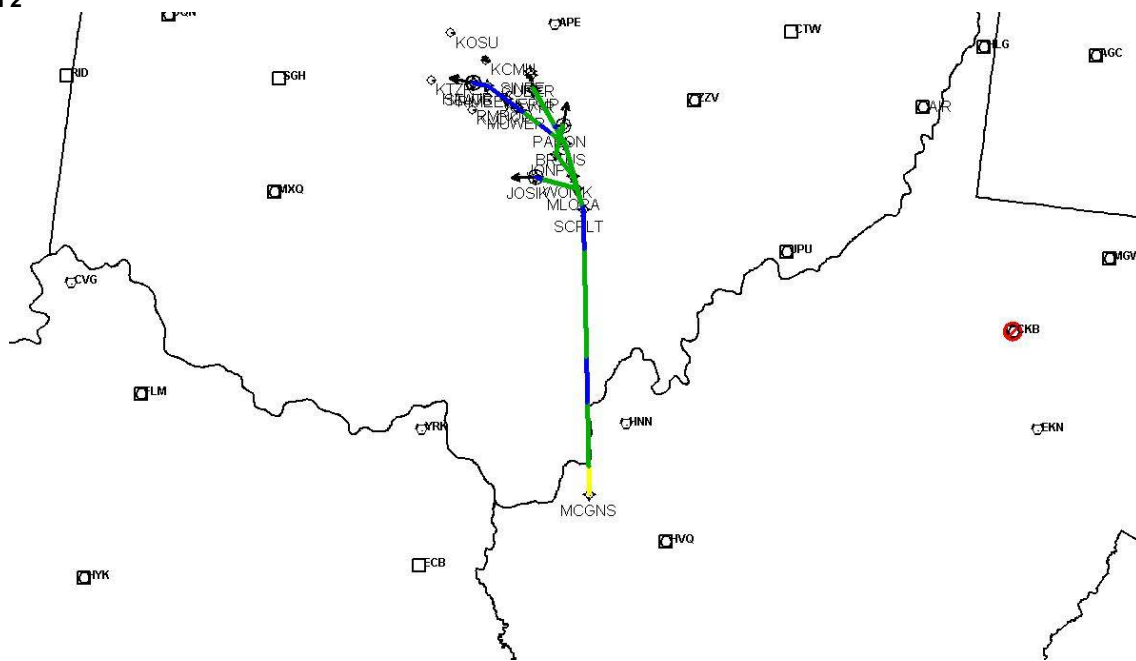
DME DME Assessment Results for SCRLT1 path BRTUS_XAVYR



Graphic Depiction 1



Graphic Depiction 2



DME DME Assessment Results for SCRLT1 path MCGNS_HALUR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH SCRLT ONE (RNAV) STAR DME Brechbiel 20201208.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH [IFPA] SCRLT1 20201215_0953 CST\MCGNS_HALUR\KCMH SCRLT1 RNAV STAR MCGNS HALUR 20201215_0953 CST.pdf
Procedure Name:	SCRLT1
Software: DmeDmePlugin:	6.2.0
Date/Time:	12/15/2020 09:53 CST
Databases:	DTED Level 0 Max

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
MCGNS	WP	N38° 29' 11.54", W082° 09' 32.63"	9000	VNAV	210	FLY_BY	TF
SCRLT	WP	N39° 30' 10.49", W082° 21' 03.02"	9000	VNAV	210	FLY_BY	TF
BRTUS	WP	N39° 43' 51.40", W082° 28' 23.11"	5000	VNAV	210	FLY_BY	TF
MUWER	WP	N39° 50' 19.95", W082° 43' 05.35"	2400	VNAV	210	FLY_BY	TF
RMROD	WP	N39° 51' 48.79", W082° 46' 28.67"	2200	VNAV	210	FLY_BY	TF
RIMEE	WP	N39° 54' 16.92", W082° 52' 07.66"	2200	VNAV	210	FLY_BY	TF
HALUR	WP	N39° 54' 30.84", W082° 56' 25.48"	2100	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCMH [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 SCRLT1 path MCGNS_HALUR

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:	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:	CKB

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	YRK	N38° 38' 38.88", W082° 58' 42.02"	5.0 W	40	L	IFPA	NO	Enabled	5.8 %	5.9 %
2	APE	N40° 09' 03.83", W082° 35' 17.88"	6.0 W	130	H	IFPA	NO	Enabled	21.9 %	21.8 %
3	ZZV	N39° 56' 27.09", W081° 53' 33.37"	6.0 W	130	H	IFPA	NO	Enabled	21.9 %	21.8 %
4	JPU	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	L	IFPA	NO	Enabled	10.1 %	10.1 %
5	AIR	N40° 00' 59.78", W080° 49' 01.94"	7.0 W	130	H	IFPA	NO	Enabled	20.4 %	20.4 %
6	ECB	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	L	IFPA	NO	Enabled	39.7 %	39.7 %
7	HVQ	N38° 20' 58.83", W081° 46' 11.69"	3.0 W	130	H	IFPA	NO	Enabled	19.6 %	19.6 %
8	FLM	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	H	IFPA	NO	Enabled	19.6 %	19.6 %
9	HNN	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	H	IFPA	NO	Enabled	56 %	56 %
10	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for SCRLT1 path MCGNS_HALUR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HVQ	HNN	YRK	ECB		
5.7	HVQ	HNN	YRK			
5.9	HVQ	HNN	ECB			
19.8						
29.7	ECB	HNN				
32.2	ECB	HNN	AIR			
33.2	ECB	HNN	AIR	FLM		
50.3	AIR	HNN	FLM			
52.8	FLM	HNN				
53.0						
59.3	HNN	ZZV				
59.4						
62.7	ZZV	APE				
63.0	HNN	ZZV	APE			
63.7	JPU	APE	HNN	ZZV		
73.5	HNN	ZZV	APE			
76.4	ZZV	APE	JPU			
76.8	ZZV	APE				
80.4						
83.4	ZZV	APE				
87.9						

Inertial Drift Segments				
#	Start Location	End Location	Length [NM]	
1	N38° 48' 49.80", W082° 13' 12.77"	N38° 58' 35.40", W082° 15' 02.94"	9.8554	
2	N39° 21' 41.25", W082° 19' 25.72"	N39° 27' 55.39", W082° 20' 37.17"	6.2981	
3	N39° 27' 58.85", W082° 20' 37.83"	N39° 31' 11.91", W082° 21' 35.84"	3.325	
4	N39° 45' 51.29", W082° 32' 54.58"	N39° 47' 21.52", W082° 36' 19.33"	3.0299	
5	N39° 49' 33.22", W082° 41' 18.86"	N39° 54' 30.84", W082° 56' 25.48"	12.868	

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
MCGNS	SCRLT	HVQ, YRK, ECB, FLM, ZZV, HNN, AIR
SCRLT	BRTUS	APE, ZZV, HNN, JPU
BRTUS	MUWER	APE, ZZV, HNN, JPU
MUWER	RMROD	
RMROD	RIMEE	
RIMEE	HALUR	

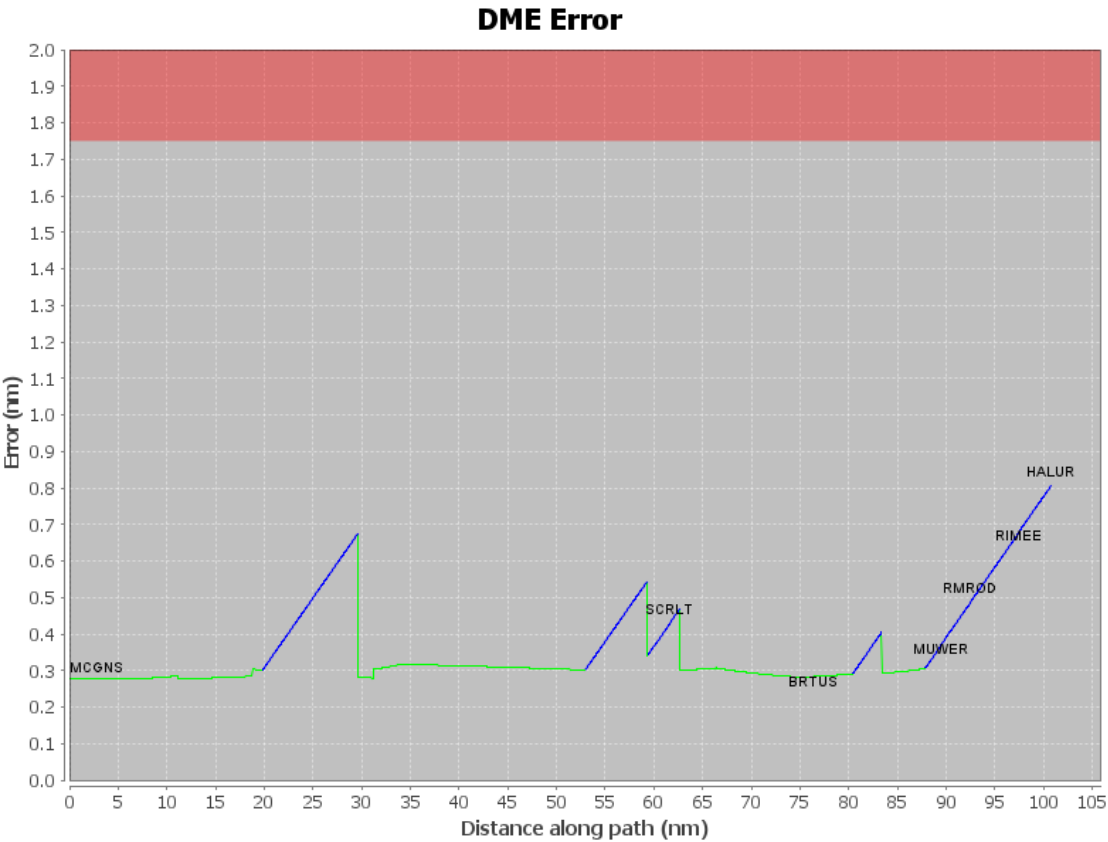
DME DME Assessment Results for SCRLT1 path MCGNS_HALUR

User Data Files

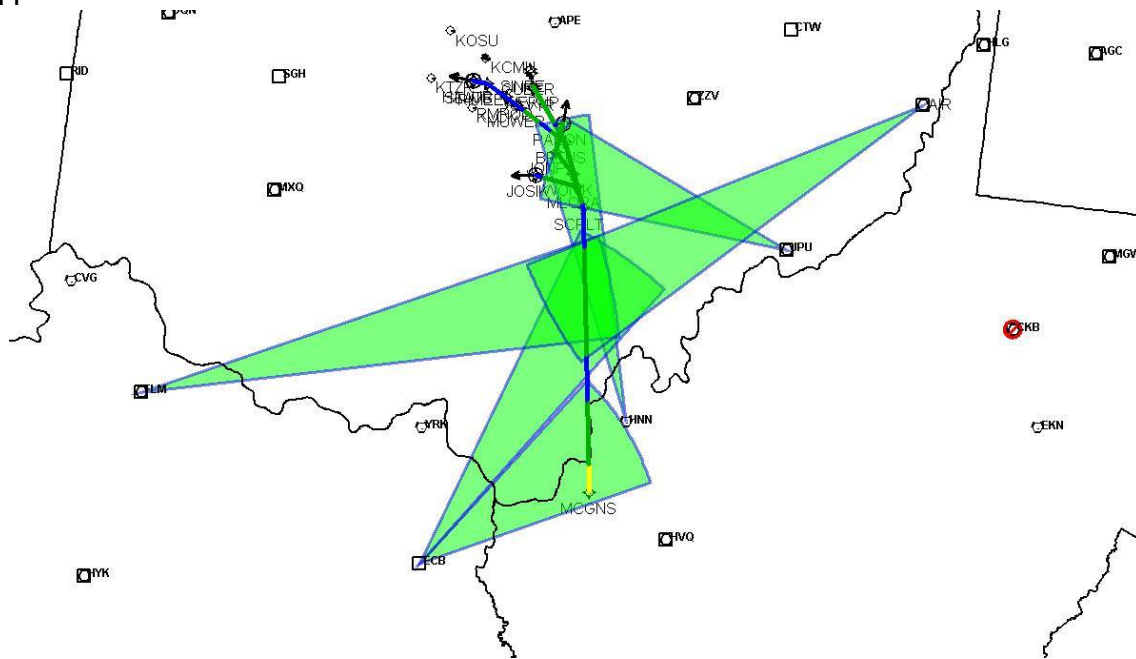
#	File Name
1	New Analysis.udt
2	UserDMEsKCMH [IFPA] SCRLT1 RNAV STAR_20200911_1350 CDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AIR FAA 691517 - 026 AIR [IFPA]	N40° 00' 59.78", W080° 49' 01.94"	7.0 W	130	1284.5	117.1	AIR FAA 691517 - 026	
ESV:		Bearing [True]: 227.0° to 242.0° Bearing [Mag]: 234.0° to 249.0°				Arc Distance: Out to 93.0 NM Altitude: 8900.0 to 16000.0 ft		
2	JPU FAA 110239 - 003 JPU [IFPA]	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	1016.1	108.6	JPU FAA 110239 - 003	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
3	ECB FAA 703985 - 006 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 006	
ESV:		Bearing [True]: 36.0° to 64.0° Bearing [Mag]: 36.0° to 64.0°				Arc Distance: Out to 54.0 NM Altitude: 8900.0 to 17000.0 ft		
4	FLM FAA 682019 - 035 FLM [IFPA]	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	808.5	117.0	FLM FAA 682019 - 035	
ESV:		Bearing [True]: 64.0° to 76.0° Bearing [Mag]: 68.0° to 80.0°				Arc Distance: Out to 106.0 NM Altitude: 8900.0 to 20000.0 ft		
5	ECB FAA 703985 - 005 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 005	
ESV:		Bearing [True]: 19.0° to 35.0° Bearing [Mag]: 19.0° to 35.0°				Arc Distance: Out to 80.0 NM Altitude: 8900.0 to 20000.0 ft		
6	HNN FAA 760654 - 015 HNN [IFPA]	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	880	115.9	HNN FAA 760654 - 015	
ESV:		Bearing [True]: 336.0° to 346.0° Bearing [Mag]: 339.0° to 349.0°				Arc Distance: Out to 67.0 NM Altitude: 5000.0 to 16000.0 ft		

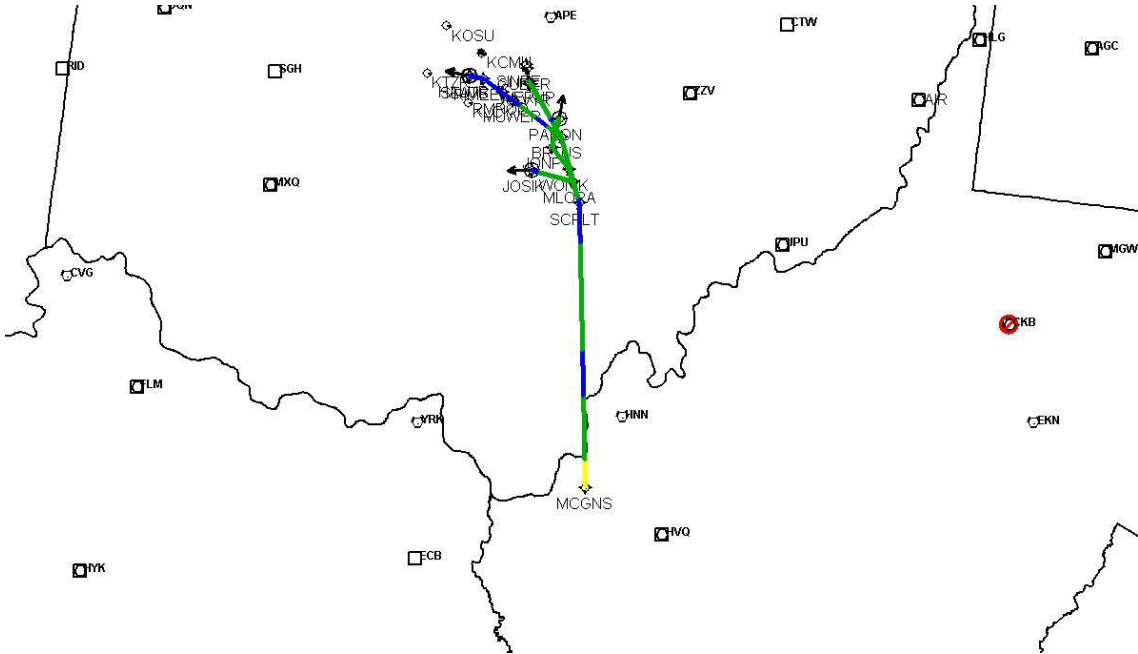


Graphic Depiction 1



DME DME Assessment Results for SCRLT1 path MCGNS_HALUR

Graphic Depiction 2



DME DME Assessment Results for SCRLT1 path RIMEE_SLATS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH SCRLT ONE (RNAV) STAR DME Brechbiel 20201208.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH [IFPA] SCRLT1 20201215_0953 CST\RIMEE_SLATS\KCMH SCRLT1 RNAV STAR RIMEE SLATS 20201215_0953 CST.pdf
Procedure Name:	SCRLT1
Software: DmeDmePlugin:	6.2.0
Date/Time:	12/15/2020 09:53 CST
Databases:	DTED Level 0 Max

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
RIMEE	WP	N39° 54' 16.92", W082° 52' 07.66"	2200	VNAV	210	FLY_BY	TF
SLATS	WP	N39° 54' 29.55", W082° 56' 00.99"	2100	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCMH [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 SCRLT1 path RIMEE_SLATS

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:	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:	CKB

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	IFPA	NO	Disabled		

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

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 54' 16.92", W082° 52' 07.66"	N39° 54' 29.55", W082° 56' 00.99"	3

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
RIMEE	SLATS	

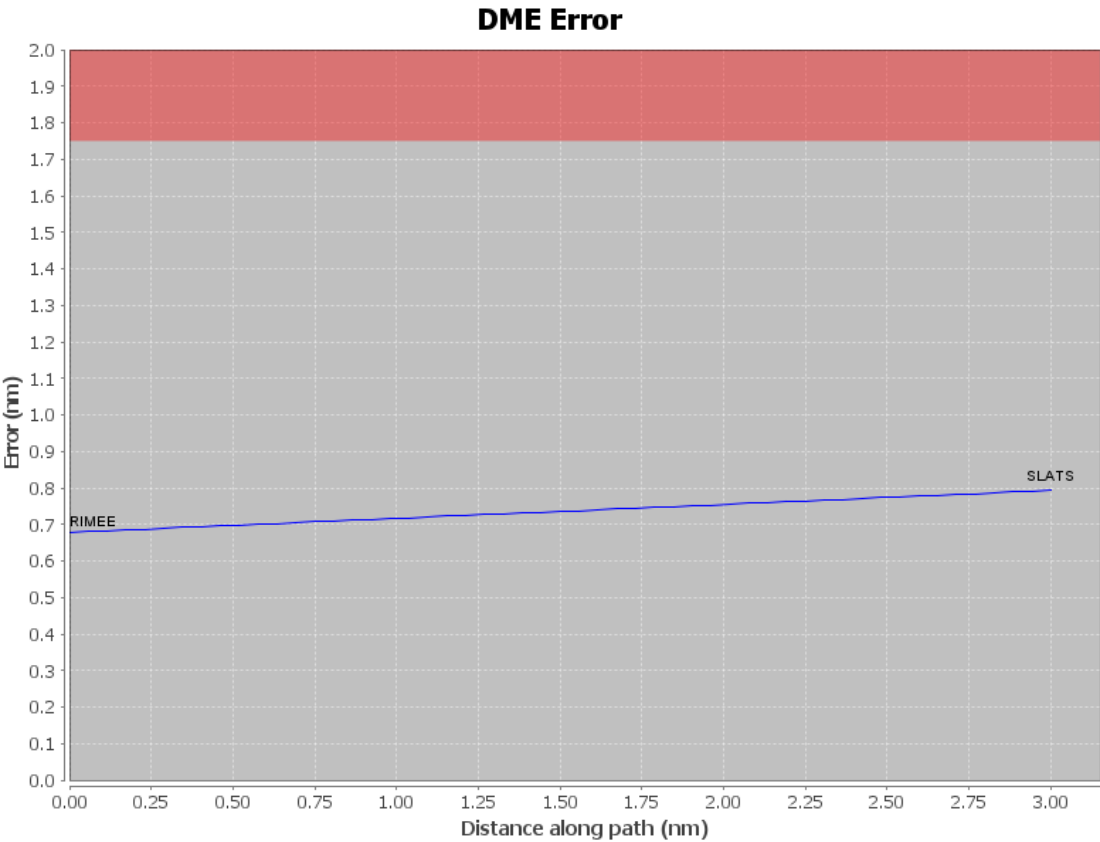
DME DME Assessment Results for SCRLT1 path RIMEE_SLATS

User Data Files

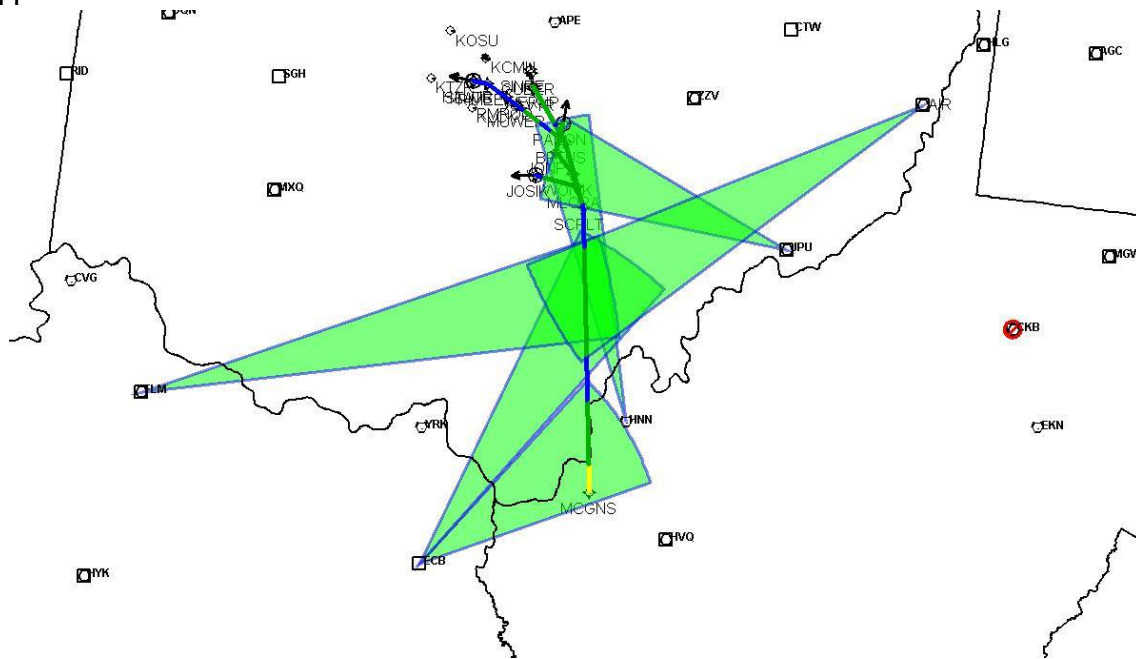
#	File Name
1	New Analysis.udt
2	UserDMEsKCMH [IFPA] SCRLT1 RNAV STAR_20200911_1350 CDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AIR FAA 691517 - 026 AIR [IFPA]	N40° 00' 59.78", W080° 49' 01.94"	7.0 W	130	1284.5	117.1	AIR FAA 691517 - 026	
ESV:		Bearing [True]: 227.0° to 242.0° Bearing [Mag]: 234.0° to 249.0°				Arc Distance: Out to 93.0 NM Altitude: 8900.0 to 16000.0 ft		
2	JPU FAA 110239 - 003 JPU [IFPA]	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	1016.1	108.6	JPU FAA 110239 - 003	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
3	ECB FAA 703985 - 006 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 006	
ESV:		Bearing [True]: 36.0° to 64.0° Bearing [Mag]: 36.0° to 64.0°				Arc Distance: Out to 54.0 NM Altitude: 8900.0 to 17000.0 ft		
4	FLM FAA 682019 - 035 FLM [IFPA]	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	808.5	117.0	FLM FAA 682019 - 035	
ESV:		Bearing [True]: 64.0° to 76.0° Bearing [Mag]: 68.0° to 80.0°				Arc Distance: Out to 106.0 NM Altitude: 8900.0 to 20000.0 ft		
5	ECB FAA 703985 - 005 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 005	
ESV:		Bearing [True]: 19.0° to 35.0° Bearing [Mag]: 19.0° to 35.0°				Arc Distance: Out to 80.0 NM Altitude: 8900.0 to 20000.0 ft		
6	HNN FAA 760654 - 015 HNN [IFPA]	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	880	115.9	HNN FAA 760654 - 015	
ESV:		Bearing [True]: 336.0° to 346.0° Bearing [Mag]: 339.0° to 349.0°				Arc Distance: Out to 67.0 NM Altitude: 5000.0 to 16000.0 ft		

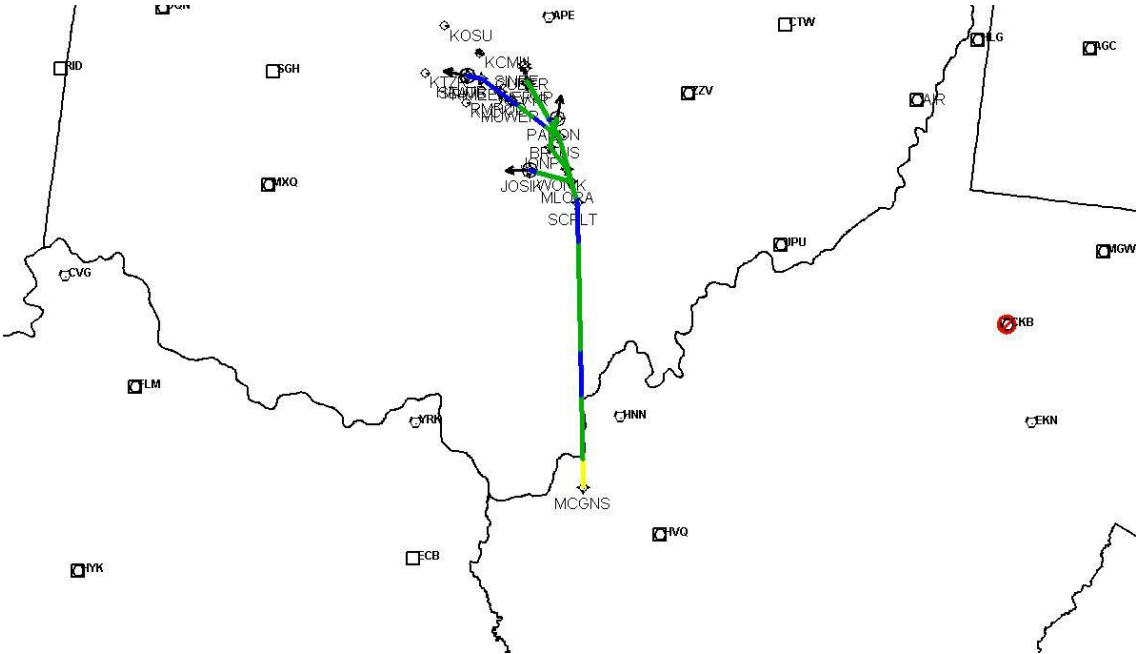


Graphic Depiction 1



DME DME Assessment Results for SCRLT1 path RIMEE_SLATS

Graphic Depiction 2



DME DME Assessment Results for SCRLT1 path SCRLT_JOSIK

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH SCRLT ONE (RNAV) STAR DME Brechbiel 20201208.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH [IFPA] SCRLT1 20201215_0953 CST\SCRLT_JOSIK\KCMH SCRLT1 RNAV STAR SCRLT JOSIK 20201215_0953 CST.pdf
Procedure Name:	SCRLT1
Software: DmeDmePlugin:	6.2.0
Date/Time:	12/15/2020 09:53 CST
Databases:	DTED Level 0 Max

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SCRLT	WP	N39° 30' 10.49", W082° 21' 03.02"	9000	VNAV	210	FLY_BY	TF
MLORA	WP	N39° 34' 35.48", W082° 23' 37.55"	9000	VNAV	200	FLY_BY	TF
JOSIK	WP	N39° 35' 52.45", W082° 35' 33.48"	9000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCMH [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 SCRLT1 path SCRLT_JOSIK

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:	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:	CKB

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	APE	N40° 09' 03.83", W082° 35' 17.88"	6.0 W	130	H	IFPA	NO	Enabled	81 %	80.9 %
2	ZZV	N39° 56' 27.09", W081° 53' 33.37"	6.0 W	130	H	IFPA	NO	Enabled	82.2 %	82.1 %
3	JPU	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	L	IFPA	NO	Enabled	67.1 %	66.9 %
4	HNN	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	H	IFPA	NO	Enabled	45.5 %	46.1 %
5	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.1	HNN	ZZV				
1.3	HNN	ZZV	APE			
2.2	JPU	APE	HNN	ZZV		
7.7	JPU	APE	ZZV			
11.8	ZZV	APE				
12.8						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 30' 10.49", W082° 21' 03.02"	N39° 31' 10.43", W082° 21' 37.95"	1.0951
2	N39° 35' 41.08", W082° 33' 46.92"	N39° 35' 52.45", W082° 35' 33.48"	1.3859

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
SCRLT	MLORA	APE, ZZV, HNN, JPU
MLORA	JOSIK	APE, ZZV, HNN, JPU

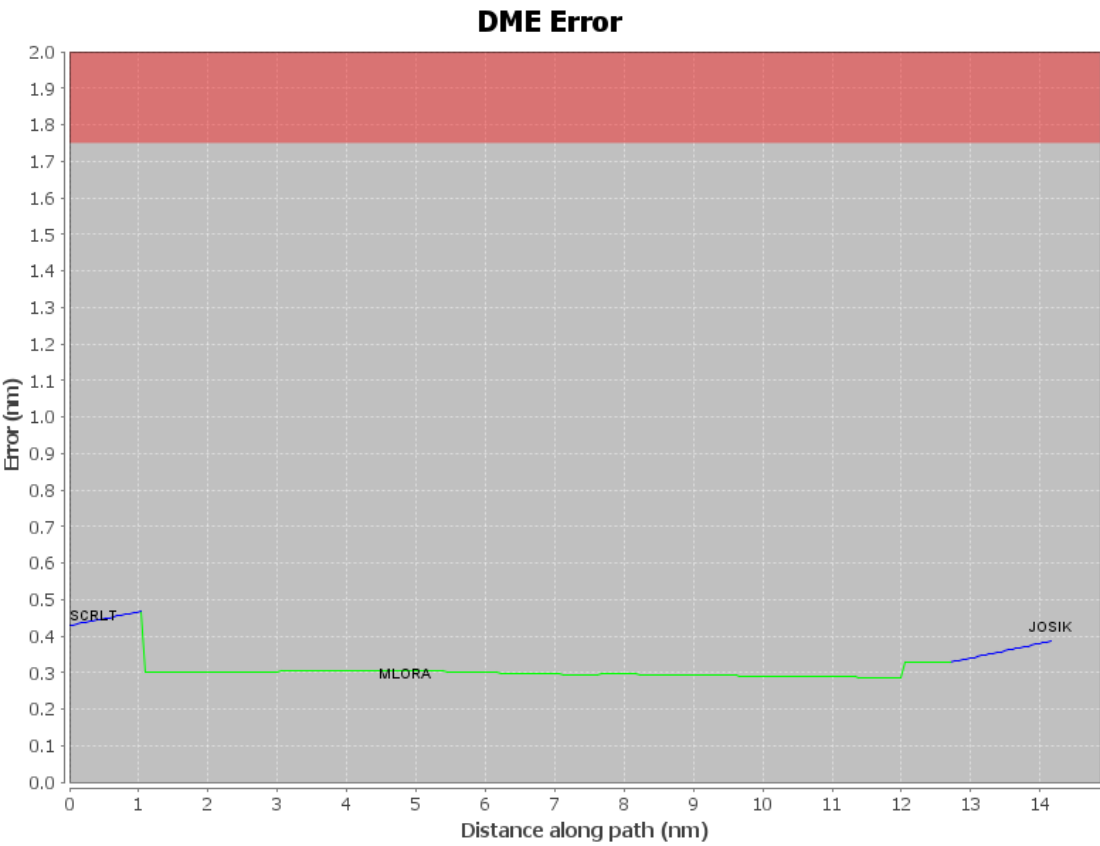
DME DME Assessment Results for SCRLT1 path SCRLT_JOSIK

User Data Files

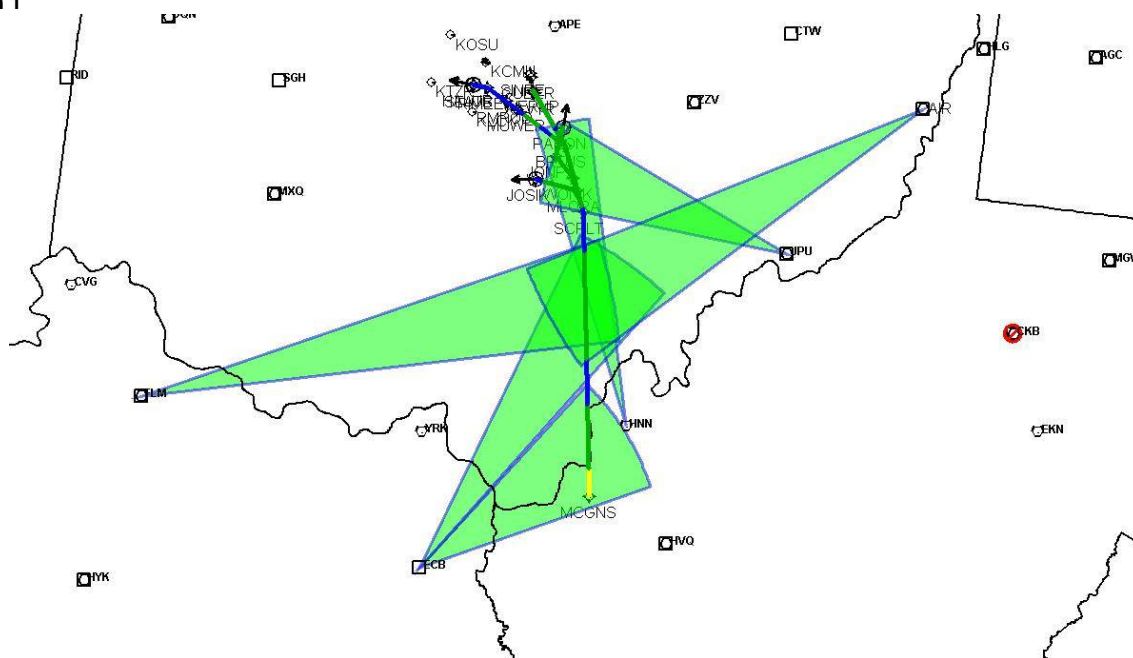
#	File Name
1	New Analysis.udt
2	UserDMEsKCMH [IFPA] SCRLT1 RNAV STAR_20200911_1350 CDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AIR FAA 691517 - 026 AIR [IFPA]	N40° 00' 59.78", W080° 49' 01.94"	7.0 W	130	1284.5	117.1	AIR FAA 691517 - 026	
ESV:		Bearing [True]: 227.0° to 242.0° Bearing [Mag]: 234.0° to 249.0°				Arc Distance: Out to 93.0 NM Altitude: 8900.0 to 16000.0 ft		
2	JPU FAA 110239 - 003 JPU [IFPA]	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	1016.1	108.6	JPU FAA 110239 - 003	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
3	ECB FAA 703985 - 006 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 006	
ESV:		Bearing [True]: 36.0° to 64.0° Bearing [Mag]: 36.0° to 64.0°				Arc Distance: Out to 54.0 NM Altitude: 8900.0 to 17000.0 ft		
4	FLM FAA 682019 - 035 FLM [IFPA]	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	808.5	117.0	FLM FAA 682019 - 035	
ESV:		Bearing [True]: 64.0° to 76.0° Bearing [Mag]: 68.0° to 80.0°				Arc Distance: Out to 106.0 NM Altitude: 8900.0 to 20000.0 ft		
5	ECB FAA 703985 - 005 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 005	
ESV:		Bearing [True]: 19.0° to 35.0° Bearing [Mag]: 19.0° to 35.0°				Arc Distance: Out to 80.0 NM Altitude: 8900.0 to 20000.0 ft		
6	HNN FAA 760654 - 015 HNN [IFPA]	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	880	115.9	HNN FAA 760654 - 015	
ESV:		Bearing [True]: 336.0° to 346.0° Bearing [Mag]: 339.0° to 349.0°				Arc Distance: Out to 67.0 NM Altitude: 5000.0 to 16000.0 ft		

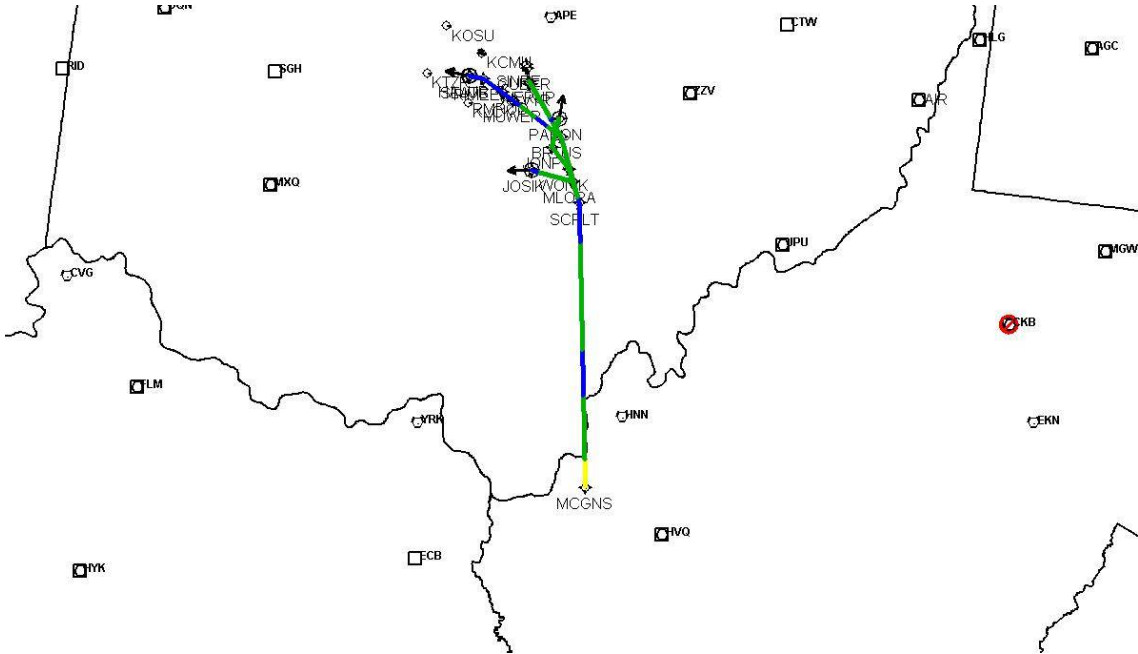


Graphic Depiction 1



DME DME Assessment Results for SCRLT1 path SCRLT_JOSIK

Graphic Depiction 2



DME DME Assessment Results for SCRLT1 path SCRLT_PAEON

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH SCRLT ONE (RNAV) STAR DME Brechbiel 20201208.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\02 - DME Assessments\KCMH\SCRLT 1\KCMH [IFPA] SCRLT1 20201215_0953 CST\SCRLT_PAEON\KCMH SCRLT1 RNAV STAR SCRLT PAEON 20201215_0953 CST.pdf
Procedure Name:	SCRLT1
Software: DmeDmePlugin:	6.2.0
Date/Time:	12/15/2020 09:53 CST
Databases:	DTED Level 0 Max

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SCRLT	WP	N39° 30' 10.49", W082° 21' 03.02"	9000	VNAV	210	FLY_BY	TF
WONIK	WP	N39° 37' 09.63", W082° 25' 08.09"	8000	VNAV	200	FLY_BY	TF
JONPA	WP	N39° 41' 27.26", W082° 30' 35.35"	8000	VNAV	200	FLY_BY	TF
PAEON	WP	N39° 47' 41.84", W082° 29' 35.66"	8000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCMH [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 SCRLT1 path SCRLT_PAEON

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:	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:	CKB

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	APE	N40° 09' 03.83", W082° 35' 17.88"	6.0 W	130	H	IFPA	NO	Enabled	93.8 %	93.6 %
2	ZZV	N39° 56' 27.09", W081° 53' 33.37"	6.0 W	130	H	IFPA	NO	Enabled	94.9 %	94.8 %
3	JPU	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	L	IFPA	NO	Enabled	46.2 %	46.7 %
4	HNN	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	H	IFPA	NO	Enabled	58.6 %	59.1 %
5	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.0	HNN	ZZV				
1.3	HNN	ZZV	APE			
2.3	JPU	APE	HNN	ZZV		
9.8	ZZV	APE	JPU			
11.6	ZZV	APE				
15.7	HNN	ZZV	APE			
18.9	ZZV	APE				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 30' 10.49", W082° 21' 03.02"	N39° 31' 07.65", W082° 21' 36.39"	1.0447

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
SCRLT	WONIK	APE, ZZV, HNN, JPU
WONIK	JONPA	APE, ZZV, HNN, JPU
JONPA	PAEON	APE, ZZV, HNN

DME DME Assessment Results for SCRLT1 path SCRLT_PAEON

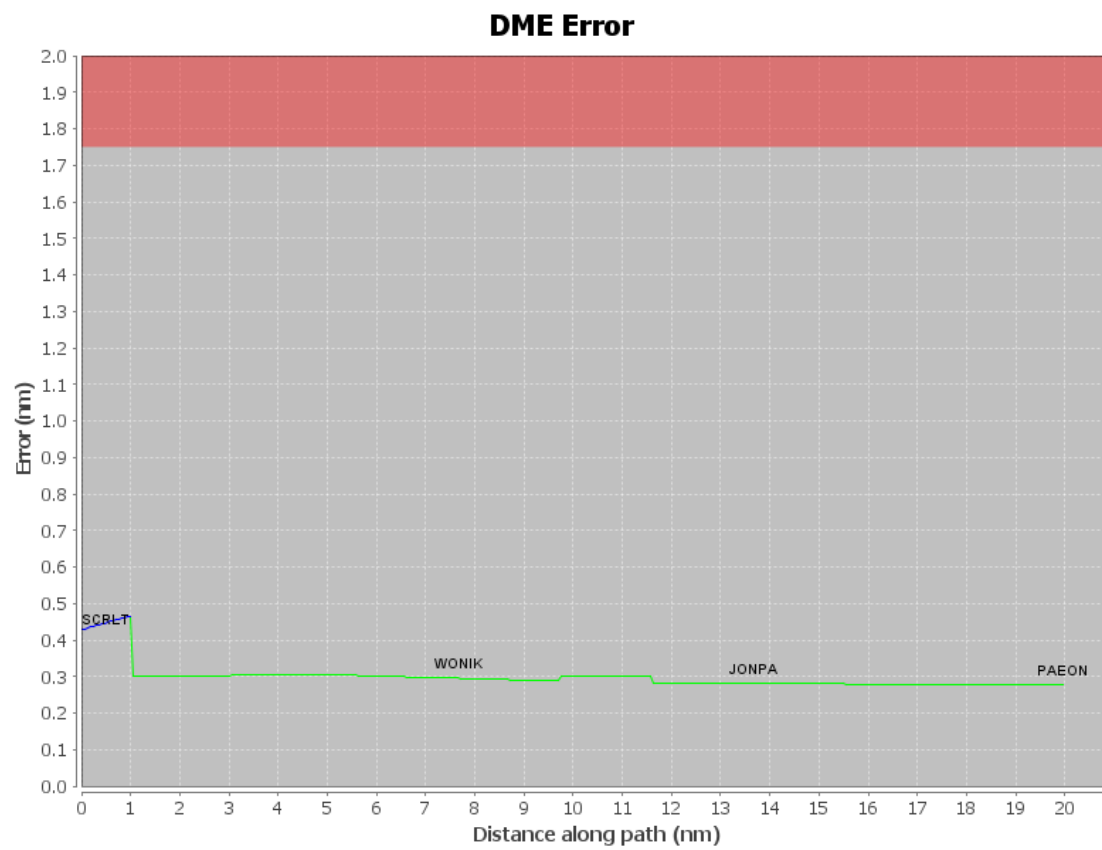
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMEsKCMH [IFPA] SCRLT1 RNAV STAR_20200911_1350 CDT.udt

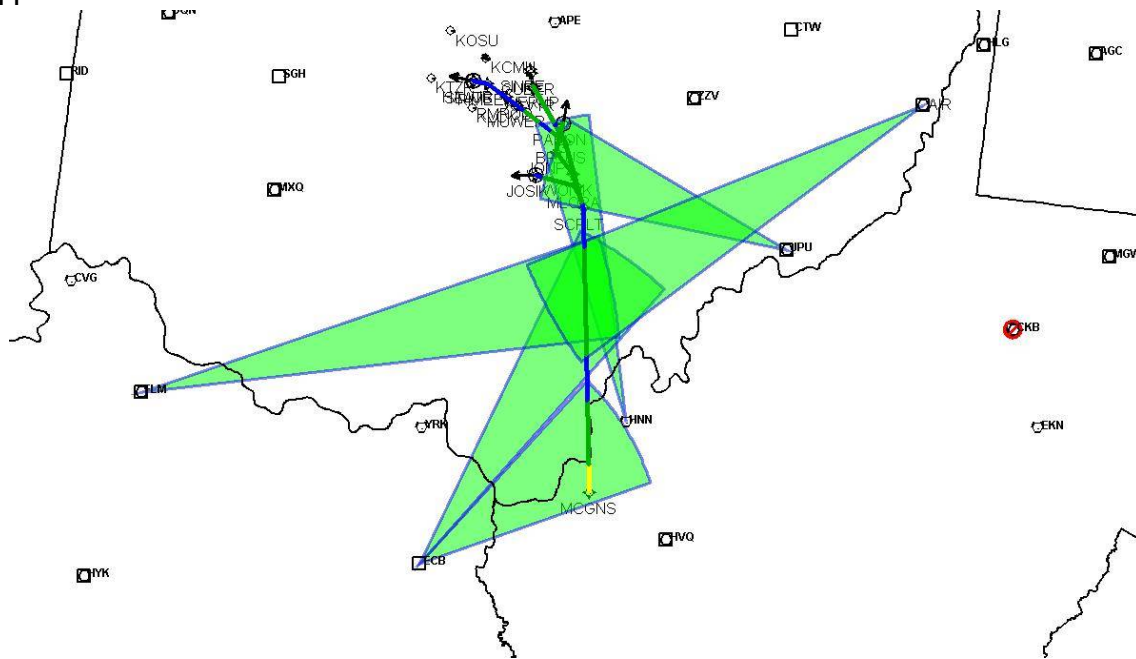
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AIR FAA 691517 - 026 AIR [IFPA]	N40° 00' 59.78", W080° 49' 01.94"	7.0 W	130	1284.5	117.1	AIR FAA 691517 - 026	
ESV:		Bearing [True]: 227.0° to 242.0° Bearing [Mag]: 234.0° to 249.0°				Arc Distance: Out to 93.0 NM Altitude: 8900.0 to 16000.0 ft		
2	JPU FAA 110239 - 003 JPU [IFPA]	N39° 26' 28.25", W081° 22' 29.14"	3.0 W	40	1016.1	108.6	JPU FAA 110239 - 003	
ESV:		Bearing [True]: 275.0° to 294.0° Bearing [Mag]: 278.0° to 297.0°				Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 14000.0 ft		
3	ECB FAA 703985 - 006 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 006	
ESV:		Bearing [True]: 36.0° to 64.0° Bearing [Mag]: 36.0° to 64.0°				Arc Distance: Out to 54.0 NM Altitude: 8900.0 to 17000.0 ft		
4	FLM FAA 682019 - 035 FLM [IFPA]	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	808.5	117.0	FLM FAA 682019 - 035	
ESV:		Bearing [True]: 64.0° to 76.0° Bearing [Mag]: 68.0° to 80.0°				Arc Distance: Out to 106.0 NM Altitude: 8900.0 to 20000.0 ft		
5	ECB FAA 703985 - 005 ECB [IFPA]	N38° 09' 30.11", W082° 54' 36.20"	0.0 E	40	1070	null	ECB FAA 703985 - 005	
ESV:		Bearing [True]: 19.0° to 35.0° Bearing [Mag]: 19.0° to 35.0°				Arc Distance: Out to 80.0 NM Altitude: 8900.0 to 20000.0 ft		
6	HNN FAA 760654 - 015 HNN [IFPA]	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	880	115.9	HNN FAA 760654 - 015	
ESV:		Bearing [True]: 336.0° to 346.0° Bearing [Mag]: 339.0° to 349.0°				Arc Distance: Out to 67.0 NM Altitude: 5000.0 to 16000.0 ft		

DME DME Assessment Results for SCRLT1 path SCRLT_PAEON



Graphic Depiction 1



Graphic Depiction 2

