

DME DME Assessment Results for TRTLL6 path BYLAW__TRTLL

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR TRTLL SIX 20200309 (email).tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] TRTLL6 20200403_0940 CDT\BYLAW__TRTLL\KORD TRTLL6 RNAV STAR BYLAW TRTLL 20200403_0940 CDT.pdf
Procedure Name:	TRTLL6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/03/2020 09:40 CDT
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
BYLAW_	WP	N41° 17' 10.86", W089° 16' 33.04"	5000	VNAV	200	FLY_BY	TF
TRTLL	WP	N41° 22' 14.03", W088° 36' 41.80"	5000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [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 TRTLL6 path BYLAW__TRTLL

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	76.9 %	76.9 %
2	BDF	N41° 09' 35.03", W089° 35' 16.34"	0.0 E	130	H	IFPA	NO	Enabled	79.2 %	79.2 %
3	IKK	N41° 04' 27.76", W087° 51' 00.59"	0.0 E	40	L	IFPA	NO	Enabled	0.9 %	0.9 %
4	PNT	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
5	DPA	N41° 53' 25.34", W088° 21' 00.64"	2.0 E	40	L	IFPA	NO	Enabled	4.7 %	4.7 %
6	EON	N41° 16' 10.68", W087° 47' 27.79"	2.0 E	40	L	IFPA	NO	Enabled	3.8 %	3.8 %

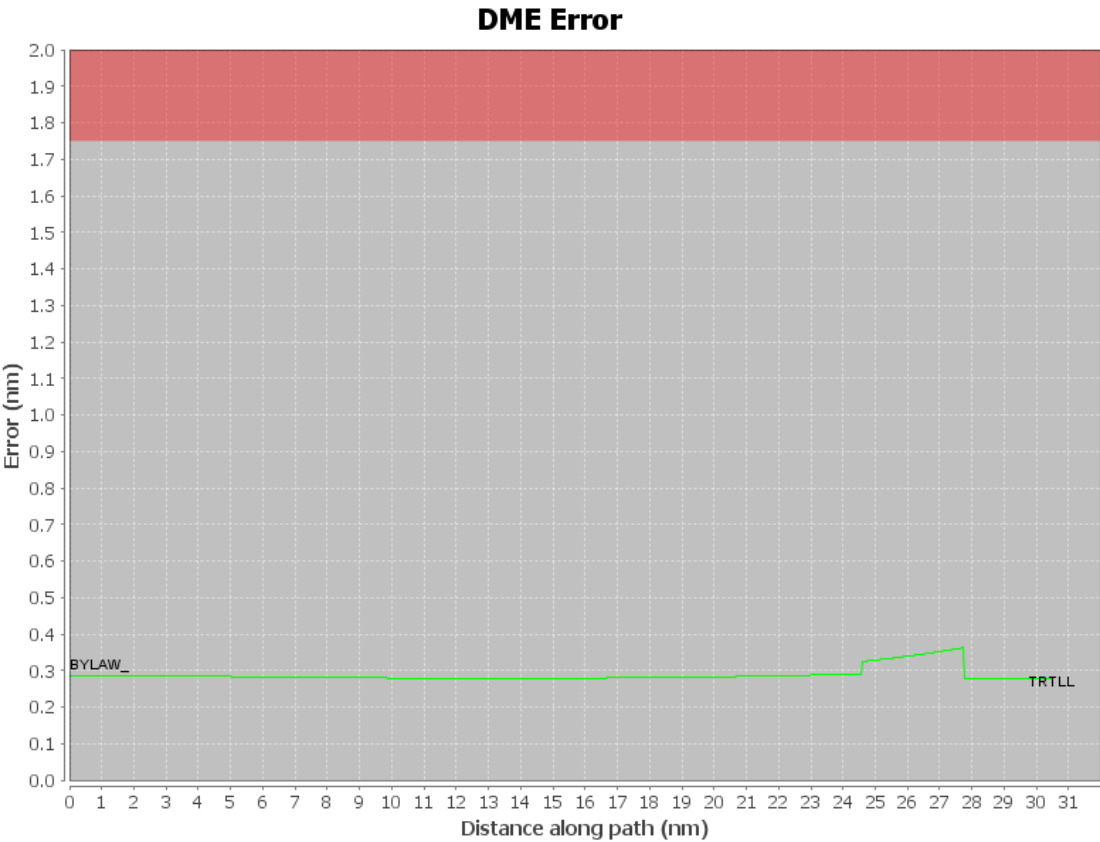
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PNT	BDF				
7.0	BDF	PNT	JOT			
23.9	JOT	PNT				
24.3	BDF	PNT	JOT	DPA		
24.6	JOT	PNT				
29.3	EON	PNT	DPA	JOT		
30.2	EON	PNT	IKK	DPA	JOT	

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
BYLAW__	TRTLL	DPA, BDF, EON, PNT, IKK, JOT

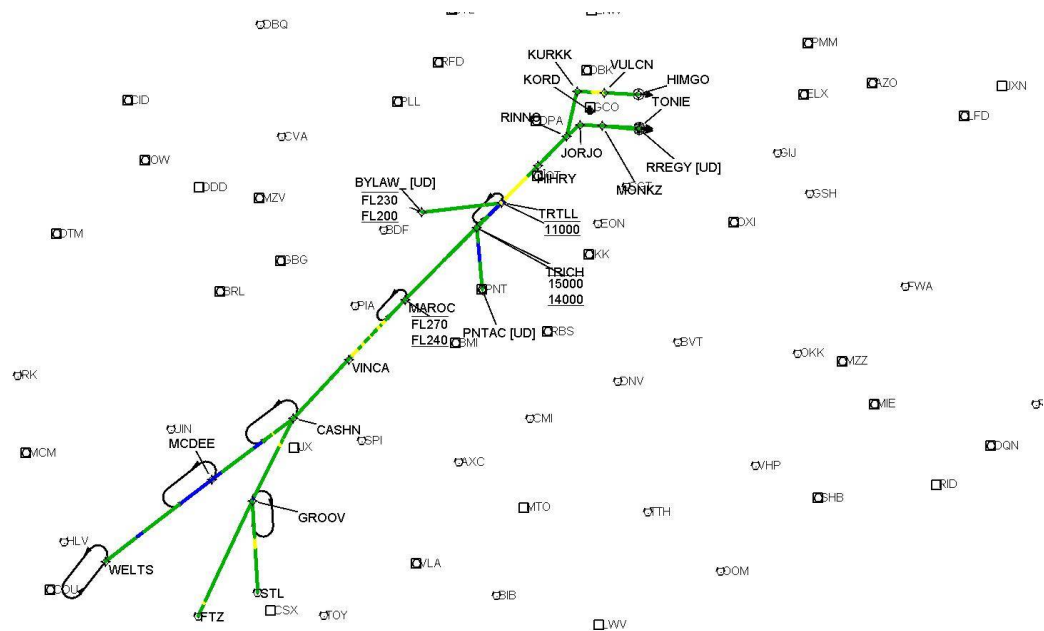
DME DME Assessment Results for TRTLL6 path BYLAW__TRTLL

User Data Files								
#	File Name							
1	UserDMEsKORD [IFPA] SHAIN2 RNAV STAR_20200403_0902 CDT.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSX FAA 970214-15 CSX [IFPA]	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	574.1	null	CSX FAA 970214-15	
ESV:		Bearing [True]: 281.0° to 7.0° Bearing [Mag]: 281.0° to 7.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
2	SPI FAA 042238-14 SPI [IFPA]	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	593.8	112.7	SPI FAA 042238-14	
ESV:		Bearing [True]: 224.0° to 244.0° Bearing [Mag]: 225.0° to 245.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
3	IJX FAA 860460-001 IJX [IFPA]	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	613.8	null	IJX FAA 860460-001	
ESV:		Bearing [True]: 243.0° to 264.0° Bearing [Mag]: 243.0° to 264.0°				Arc Distance: Out to 28.0 NM Altitude: 4900.0 to 13000.0 ft		
4	VIH FAA 704279-26 VIH [IFPA]	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	1105	117.7	VIH FAA 704279-26	
ESV:		Bearing [True]: 307.0° to 54.0° Bearing [Mag]: 301.0° to 48.0°				Arc Distance: Out to 53.0 NM Altitude: 4000.0 to 20000.0 ft		
5	HLV FAA 691871-28 HLV [IFPA]	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	921.9	114.2	HLV FAA 691871-28	
ESV:		Bearing [True]: 89.0° to 116.0° Bearing [Mag]: 83.0° to 110.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 20000.0 ft		
6	PNT FAA 702701-9 PNT [IFPA]	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	682.4	109.6	PNT FAA 702701-9	
ESV:		Bearing [True]: 245.0° to 325.0° Bearing [Mag]: 242.0° to 322.0°				Arc Distance: Out to 61.0 NM Altitude: 4000.0 to 14500.0 ft		
7	BRL FAA 101333-9 BRL [IFPA]	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	767.7	111.4	BRL FAA 101333-9	
ESV:		Bearing [True]: 105.0° to 162.0° Bearing [Mag]: 100.0° to 157.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 20000.0 ft		



DME DME Assessment Results for TRTLL6 path BYLAW__TRTLL

Graphic Depiction 1



DME DME Assessment Results for TRTLL6 path FTZ_HIMGO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR TRTLL SIX 20200309 (email).tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] TRTLL6 20200403_0940 CDT\FTZ_HIMGO\KORD TRTLL6 RNAV STAR FTZ HIMGO 20200403_0940 CDT.pdf
Procedure Name:	TRTLL6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/03/2020 09:40 CDT
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
FTZ	WP	N38° 41' 39.60", W090° 58' 16.57"	5000	VNAV	200	FLY_BY	TF
GROOV	WP	N39° 25' 52.71", W090° 34' 08.70"	5000	VNAV	200	FLY_BY	TF
CASHN	WP	N39° 57' 32.00", W090° 15' 34.00"	5000	VNAV	200	FLY_BY	TF
VINCA	WP	N40° 20' 43.25", W089° 49' 24.67"	5000	VNAV	200	FLY_BY	TF
MAROC	WP	N40° 44' 13.24", W089° 22' 28.69"	5000	VNAV	200	FLY_BY	TF
TRICH	WP	N41° 12' 33.94", W088° 48' 27.19"	5000	VNAV	200	FLY_BY	TF
TRTLL	WP	N41° 22' 14.03", W088° 36' 41.80"	5000	VNAV	200	FLY_BY	TF
HIHRY	WP	N41° 36' 54.53", W088° 19' 13.05"	0	VNAV	200	FLY_BY	TF
RINNO	WP	N41° 48' 19.56", W088° 05' 36.16"	0	VNAV	200	FLY_BY	TF
KURKK	WP	N42° 05' 30.61", W088° 01' 37.92"	0	VNAV	200	FLY_BY	TF
VULCN	WP	N42° 05' 30.34", W087° 47' 39.02"	0	VNAV	200	FLY_BY	TF
HIMGO	WP	N42° 05' 27.84", W087° 30' 31.89"	0	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [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 TRTLL6 path FTZ_HIMGO

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:	Not enabled
Disabled DMEs:	None

DME DME Assessment Results for TRTLL6 path FTZ_HIMGO

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OBK	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	H	IFPA	NO	Enabled	18.9 %	18.8 %
2	FTZ	N38° 41' 39.60", W090° 58' 16.57"	5.0 E	40	L	IFPA	NO	Enabled	13.5 %	13.5 %
3	VIH	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	L	IFPA	NO	Enabled	1.8 %	1.8 %
4	BMI	N40° 28' 50.90", W088° 55' 52.56"	3.0 E	40	L	IFPA	NO	Enabled	21.5 %	21.5 %
5	IKK	N41° 04' 27.76", W087° 51' 00.59"	0.0 E	40	L	IFPA	NO	Enabled	4.5 %	4.5 %
6	CGT	N41° 30' 36.02", W087° 34' 17.57"	2.0 E	40	L	IFPA	NO	Enabled	19.8 %	19.8 %
7	CSX	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	H	IFPA	NO	Enabled	25.6 %	25.6 %
8	IJX	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	T	IFPA	NO	Enabled	15.9 %	15.9 %
9	EON	N41° 16' 10.68", W087° 47' 27.79"	2.0 E	40	L	IFPA	NO	Enabled	13.5 %	13.5 %
10	HLV	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	L	IFPA	NO	Enabled	6 %	6 %
11	BRL	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	L	IFPA	NO	Enabled	18.7 %	18.7 %
12	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	25.2 %	25.2 %
13	PIA	N40° 40' 48.25", W089° 47' 33.91"	4.0 E	40	L	IFPA	NO	Enabled	26.9 %	26.9 %
14	BDF	N41° 09' 35.03", W089° 35' 16.34"	0.0 E	130	H	IFPA	NO	Enabled	21.2 %	21.1 %
15	SPI	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	H	IFPA	NO	Enabled	29 %	29 %
16	PNT	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	L	IFPA	NO	Enabled	23.5 %	23.5 %
17	DPA	N41° 53' 25.34", W088° 21' 00.64"	2.0 E	40	L	IFPA	NO	Enabled	26.8 %	26.8 %
18	STL	N38° 51' 38.48", W090° 28' 56.52"	1.0 E	130	H	IFPA	NO	Enabled	16.8 %	16.8 %
19	GCO	N41° 59' 38.72", W087° 54' 08.38"	0.0 E	40	L	IFPA	NO	Enabled	21.8 %	21.8 %

DME DME Assessment Results for TRTLL6 path FTZ_HIMGO

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	VIH	HLV	STL			
1.1	VIH	HLV	STL	CSX		
3.1	HLV	FTZ	VIH	CSX	STL	
4.3	HLV	FTZ	STL			
4.6	HLV	FTZ				
5.4	HLV	FTZ	CSX	VIH	STL	
6.1	HLV	FTZ	CSX	STL		
6.5	HLV	FTZ	CSX			
8.8	HLV	FTZ	CSX	STL		
16.3	CSX	FTZ	STL			
30.4	SPI	CSX	STL	FTZ		
39.8	SPI	CSX	STL			
48.9						
50.0	CSX	IJX				
62.5	CSX	SPI	IJX			
70.5	CSX	SPI				
71.4	CSX	SPI	IJX	BRL		
72.8	BRL	SPI				
74.5	CSX	SPI	BRL	IJX		
74.6	BRL	SPI				
75.9	BRL	SPI	IJX			
86.1	SPI	IJX				
86.2	SPI	IJX	BRL			
92.9	PIA	SPI	IJX	BRL		
97.1	BRL	PIA	SPI			
105.3	BRL	PIA				
105.7	BRL	PIA	SPI			
115.4	BMI	SPI	PIA	BRL		
122.5	BMI	PIA				
125.3	BMI	SPI	BDF	PIA		
126.1	BMI	PIA				
128.8	BMI	BDF	PIA			
130.0	BMI	BDF	PNT	PIA		
131.1	BMI	BDF	PIA			
132.2	BMI	BDF	PNT	PIA		
166.1	BMI	BDF	PNT			
173.2	BMI	BDF	JOT	PNT		
174.0	JOT	PNT	BDF			
185.5	JOT	PNT				
189.5						
197.9	EON	PNT	DPA	IKK	JOT	
203.5	EON	DPA	JOT	IKK		
205.1	IKK	GCO	EON	DPA	JOT	
210.2	EON	GCO	DPA			
211.2	DPA	CGT	EON	GCO		
215.5	EON	GCO	JOT	CGT	DPA	
234.5	GCO	CGT	DPA	OBK	JOT	
240.6	DPA	CGT	JOT	OBK		
243.9	JOT	DPA				
245.1	JOT	GCO	DPA	CGT	OBK	
245.3	JOT	GCO	OBK	DPA		
246.5	JOT	GCO	DPA			
248.5	DPA	GCO	OBK	JOT		
251.2	DPA	GCO	OBK			
251.7	DPA	OBK				
254.2	DPA	CGT	OBK	GCO	JOT	

DME DME Assessment Results for TRTLL6 path FTZ_HIMGO

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
258.4	DPA	CGT	GCO	OBK		
259.1	GCO	OBK	DPA			
259.5	GCO	OBK	DPA	CGT		
270.7	OBK	CGT	GCO			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N39° 26' 41.29", W090° 33' 40.42"	N39° 27' 42.02", W090° 33' 05.05"	1.1095
2	N41° 17' 25.36", W088° 42' 33.44"	N41° 23' 38.48", W088° 35' 01.70"	8.4068

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
FTZ	GROOV	HLV, VIH, CSX, STL, FTZ, SPI
GROOV	CASHN	IJX, CSX, STL, SPI, BRL
CASHN	VINCA	IJX, PIA, SPI, BRL
VINCA	MAROC	BDF, PNT, PIA, BRL, SPI, BMI
MAROC	TRICH	BDF, PNT, PIA, JOT, BMI
TRICH	TRTLL	BDF, PNT, JOT
TRTLL	HIHRY	CGT, GCO, DPA, EON, PNT, IKK, JOT
HIHRY	RINNO	CGT, GCO, DPA, EON, OBK, JOT
RINNO	KURKK	CGT, GCO, DPA, EON, OBK, JOT
KURKK	VULCN	CGT, GCO, DPA, OBK, JOT
VULCN	HIMGO	CGT, GCO, DPA, OBK

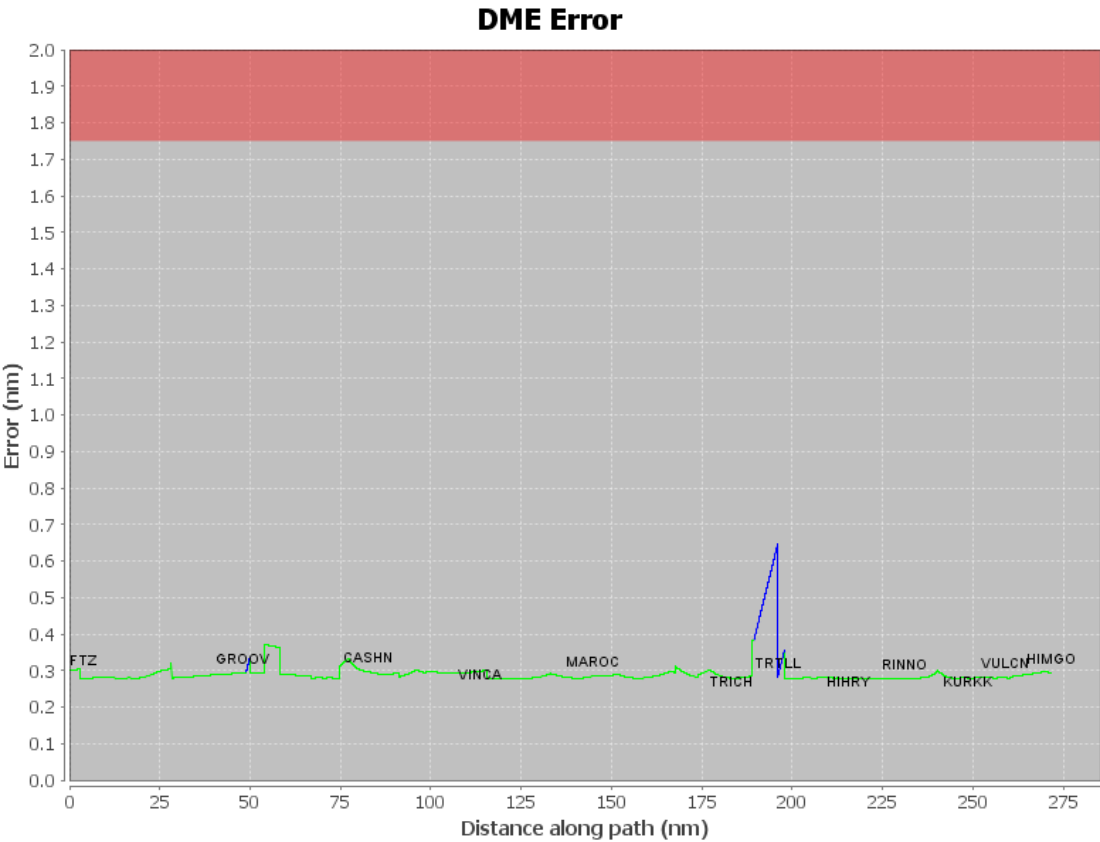
User Data Files

#	File Name
1	UserDMEsKORD [IFPA] SHAIN2 RNAV STAR_20200403_0902 CDT.udt

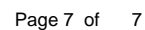
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSX FAA 970214-15 CSX [IFPA]	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	574.1	null	CSX FAA 970214-15	
ESV:		Bearing [True]: 281.0° to 7.0° Bearing [Mag]: 281.0° to 7.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
2	SPI FAA 042238-14 SPI [IFPA]	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	593.8	112.7	SPI FAA 042238-14	
ESV:		Bearing [True]: 224.0° to 244.0° Bearing [Mag]: 225.0° to 245.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
3	IJX FAA 860460-001 IJX [IFPA]	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	613.8	null	IJX FAA 860460-001	
ESV:		Bearing [True]: 243.0° to 264.0° Bearing [Mag]: 243.0° to 264.0°				Arc Distance: Out to 28.0 NM Altitude: 4900.0 to 13000.0 ft		
4	VIH FAA 704279-26 VIH [IFPA]	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	1105	117.7	VIH FAA 704279-26	
ESV:		Bearing [True]: 307.0° to 54.0° Bearing [Mag]: 301.0° to 48.0°				Arc Distance: Out to 53.0 NM Altitude: 4000.0 to 20000.0 ft		
5	HLV FAA 691871-28 HLV [IFPA]	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	921.9	114.2	HLV FAA 691871-28	
ESV:		Bearing [True]: 89.0° to 116.0° Bearing [Mag]: 83.0° to 110.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 20000.0 ft		
6	PNT FAA 702701-9 PNT [IFPA]	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	682.4	109.6	PNT FAA 702701-9	
ESV:		Bearing [True]: 245.0° to 325.0° Bearing [Mag]: 242.0° to 322.0°				Arc Distance: Out to 61.0 NM Altitude: 4000.0 to 14500.0 ft		
7	BRL FAA 101333-9 BRL [IFPA]	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	767.7	111.4	BRL FAA 101333-9	
ESV:		Bearing [True]: 105.0° to 162.0° Bearing [Mag]: 100.0° to 157.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 20000.0 ft		

DME DME Assessment Results for TRTLL6 path FTZ_HIMGO



Graphic Depiction 1



DME DME Assessment Results for TRTLL6 path MONKZ_TONIE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR TRTLL SIX 20200309 (email).tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] TRTLL6 20200403_0940 CDT\MONKZ_TONIE\KORD TRTLL6 RNAV STAR MONKZ TONIE 20200403_0940 CDT.pdf
Procedure Name:	TRTLL6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/03/2020 09:40 CDT
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
MONKZ	WP	N41° 53' 03.59", W087° 48' 06.47"	0	VNAV	200	FLY_BY	TF
TONIE	WP	N41° 53' 01.37", W087° 29' 26.75"	0	VNAV	200	FLY_OVER	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [IFPA]
Climb Gradient:	200.0 ft/NM
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 TRTLL6 path MONKZ_TONIE

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OBK	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
2	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	62.2 %	62.2 %
3	DPA	N41° 53' 25.34", W088° 21' 00.64"	2.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
4	CGT	N41° 30' 36.02", W087° 34' 17.57"	2.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
5	GCO	N41° 59' 38.72", W087° 54' 08.38"	0.0 E	40	L	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	JOT	GCO	CGT	DPA	OBK	
8.7	DPA	CGT	GCO	OBK		

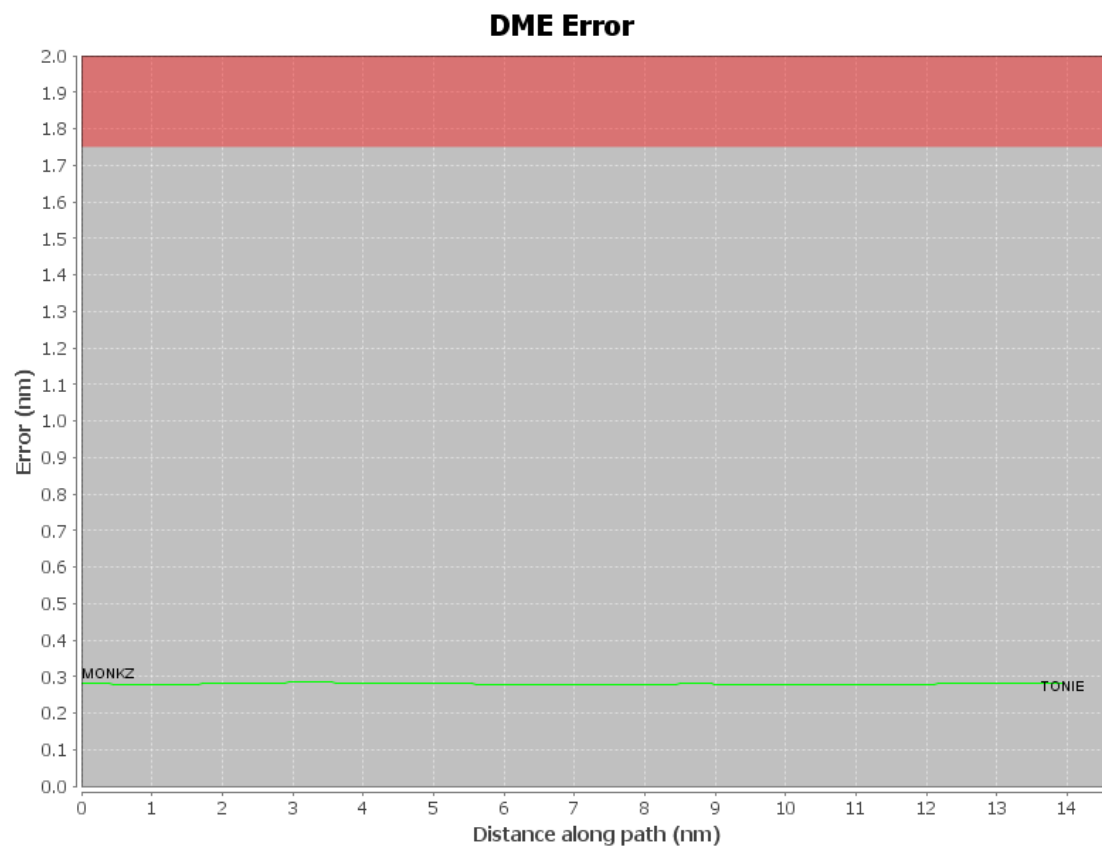
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
MONKZ	TONIE	CGT, GCO, DPA, OBK, JOT

DME DME Assessment Results for TRTLL6 path MONKZ_TONIE

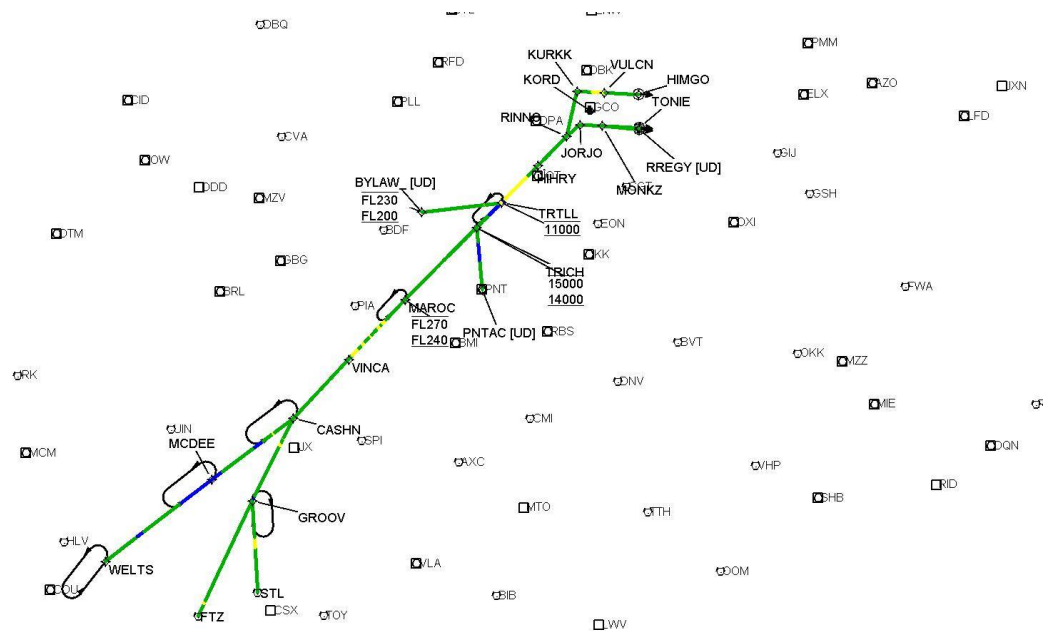
User Data Files								
#	File Name							
1	UserDMEsKORD [IFPA] SHAIN2 RNAV STAR_20200403_0902 CDT.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSX FAA 970214-15 CSX [IFPA]	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	574.1	null	CSX FAA 970214-15	
ESV:		Bearing [True]: 281.0° to 7.0° Bearing [Mag]: 281.0° to 7.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
2	SPI FAA 042238-14 SPI [IFPA]	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	593.8	112.7	SPI FAA 042238-14	
ESV:		Bearing [True]: 224.0° to 244.0° Bearing [Mag]: 225.0° to 245.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
3	IJX FAA 860460-001 IJX [IFPA]	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	613.8	null	IJX FAA 860460-001	
ESV:		Bearing [True]: 243.0° to 264.0° Bearing [Mag]: 243.0° to 264.0°				Arc Distance: Out to 28.0 NM Altitude: 4900.0 to 13000.0 ft		
4	VIH FAA 704279-26 VIH [IFPA]	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	1105	117.7	VIH FAA 704279-26	
ESV:		Bearing [True]: 307.0° to 54.0° Bearing [Mag]: 301.0° to 48.0°				Arc Distance: Out to 53.0 NM Altitude: 4000.0 to 20000.0 ft		
5	HLV FAA 691871-28 HLV [IFPA]	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	921.9	114.2	HLV FAA 691871-28	
ESV:		Bearing [True]: 89.0° to 116.0° Bearing [Mag]: 83.0° to 110.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 20000.0 ft		
6	PNT FAA 702701-9 PNT [IFPA]	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	682.4	109.6	PNT FAA 702701-9	
ESV:		Bearing [True]: 245.0° to 325.0° Bearing [Mag]: 242.0° to 322.0°				Arc Distance: Out to 61.0 NM Altitude: 4000.0 to 14500.0 ft		
7	BRL FAA 101333-9 BRL [IFPA]	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	767.7	111.4	BRL FAA 101333-9	
ESV:		Bearing [True]: 105.0° to 162.0° Bearing [Mag]: 100.0° to 157.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 20000.0 ft		

DME DME Assessment Results for TRTLL6 path MONKZ_TONIE



DME DME Assessment Results for TRTLL6 path MONKZ_TONIE

Graphic Depiction 1



DME DME Assessment Results for TRTLL6 path PNTAC_TRICH

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR TRTLL SIX 20200309 (email).tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] TRTLL6 20200403_0940 CDT\PNTAC_TRICH\KORD TRTLL6 RNAV STAR PNTAC TRICH 20200403_0940 CDT.pdf
Procedure Name:	TRTLL6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/03/2020 09:40 CDT
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
PNTAC	WP	N40° 49' 19.29", W088° 44' 01.20"	5000	VNAV	200	FLY_BY	TF
TRICH	WP	N41° 12' 33.94", W088° 48' 27.19"	5000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [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 TRTLL6 path PNTAC_TRICH

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	RBS	N40° 34' 54.13", W088° 09' 51.36"	2.0 E	40	L	IFPA	NO	Enabled	46.8 %	46.8 %
2	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	23.9 %	23.9 %
3	BDF	N41° 09' 35.03", W089° 35' 16.34"	0.0 E	130	H	IFPA	NO	Enabled	22.2 %	22.2 %
4	BMI	N40° 28' 50.90", W088° 55' 52.56"	3.0 E	40	L	IFPA	NO	Enabled	46.8 %	46.8 %
5	PNT	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	L	IFPA	NO	Enabled	23.9 %	23.9 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	RBS	BMI				
11.0						
17.9	JOT	PNT				
18.3	BDF	PNT	JOT			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 00' 15.44", W088° 46' 05.94"	N41° 07' 00.96", W088° 47' 23.39"	6.825

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
PNTAC	TRICH	RBS, BDF, PNT, JOT, BMI

DME DME Assessment Results for TRTLL6 path PNTAC_TRICH

User Data Files

#	File Name
1	UserDMEsKORD [IFPA] SHAIN2 RNAV STAR_20200403_0902 CDT.udt

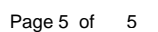
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSX FAA 970214-15 CSX [IFPA]	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	574.1	null	CSX FAA 970214-15	
ESV:		Bearing [True]: 281.0° to 7.0° Bearing [Mag]: 281.0° to 7.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
2	SPI FAA 042238-14 SPI [IFPA]	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	593.8	112.7	SPI FAA 042238-14	
ESV:		Bearing [True]: 224.0° to 244.0° Bearing [Mag]: 225.0° to 245.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
3	IJX FAA 860460-001 IJX [IFPA]	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	613.8	null	IJX FAA 860460-001	
ESV:		Bearing [True]: 243.0° to 264.0° Bearing [Mag]: 243.0° to 264.0°				Arc Distance: Out to 28.0 NM Altitude: 4900.0 to 13000.0 ft		
4	VIH FAA 704279-26 VIH [IFPA]	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	1105	117.7	VIH FAA 704279-26	
ESV:		Bearing [True]: 307.0° to 54.0° Bearing [Mag]: 301.0° to 48.0°				Arc Distance: Out to 53.0 NM Altitude: 4000.0 to 20000.0 ft		
5	HLV FAA 691871-28 HLV [IFPA]	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	921.9	114.2	HLV FAA 691871-28	
ESV:		Bearing [True]: 89.0° to 116.0° Bearing [Mag]: 83.0° to 110.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 20000.0 ft		
6	PNT FAA 702701-9 PNT [IFPA]	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	682.4	109.6	PNT FAA 702701-9	
ESV:		Bearing [True]: 245.0° to 325.0° Bearing [Mag]: 242.0° to 322.0°				Arc Distance: Out to 61.0 NM Altitude: 4000.0 to 14500.0 ft		
7	BRL FAA 101333-9 BRL [IFPA]	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	767.7	111.4	BRL FAA 101333-9	
ESV:		Bearing [True]: 105.0° to 162.0° Bearing [Mag]: 100.0° to 157.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 20000.0 ft		

DME DME Assessment Results for TRTLL6 path PNTAC_TRICH



Graphic Depiction 1



DME DME Assessment Results for TRTLL6 path RINNO_RREGY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR TRTLL SIX 20200309 (email).tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] TRTLL6 20200403_0940 CDT\RINNO_RREGY\KORD TRTLL6 RNAV STAR RINNO RREGY 20200403_0940 CDT.pdf
Procedure Name:	TRTLL6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/03/2020 09:40 CDT
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
RINNO	WP	N41° 48' 19.56", W088° 05' 36.16"	0	VNAV	200	FLY_BY	TF
JORJO	WP	N41° 53' 04.14", W087° 59' 18.78"	0	VNAV	200	FLY_BY	TF
MONKZ	WP	N41° 53' 03.59", W087° 48' 06.47"	0	VNAV	200	FLY_BY	TF
RREGY	WP	N41° 52' 26.14", W087° 29' 23.10"	0	VNAV	200	FLY_OVER	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [IFPA]
Climb Gradient:	200.0 ft/NM
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 TRTLL6 path RINNO_RREGY

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OBK	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
2	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	82 %	82 %
3	DPA	N41° 53' 25.34", W088° 21' 00.64"	2.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
4	CGT	N41° 30' 36.02", W087° 34' 17.57"	2.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
5	EON	N41° 16' 10.68", W087° 47' 27.79"	2.0 E	40	L	IFPA	NO	Enabled	12.2 %	12.2 %
6	GCO	N41° 59' 38.72", W087° 54' 08.38"	0.0 E	40	L	IFPA	NO	Enabled	76.8 %	76.8 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GCO	CGT	JOT	DPA	OBK	EON
3.6	DPA	OBK	JOT	CGT	GCO	
4.2	DPA	OBK	JOT	CGT		
6.7	DPA	OBK	JOT	CGT	GCO	
8.0	DPA	OBK	JOT	CGT		
12.1	DPA	OBK	GCO	JOT	CGT	
23.9	DPA	CGT	GCO	OBK		

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
RINNO	JORJO	CGT, GCO, DPA, EON, OBK, JOT
JORJO	MONKZ	CGT, GCO, DPA, OBK, JOT
MONKZ	RREGY	CGT, GCO, DPA, OBK, JOT

DME DME Assessment Results for TRTLL6 path RINNO_RREGY

User Data Files

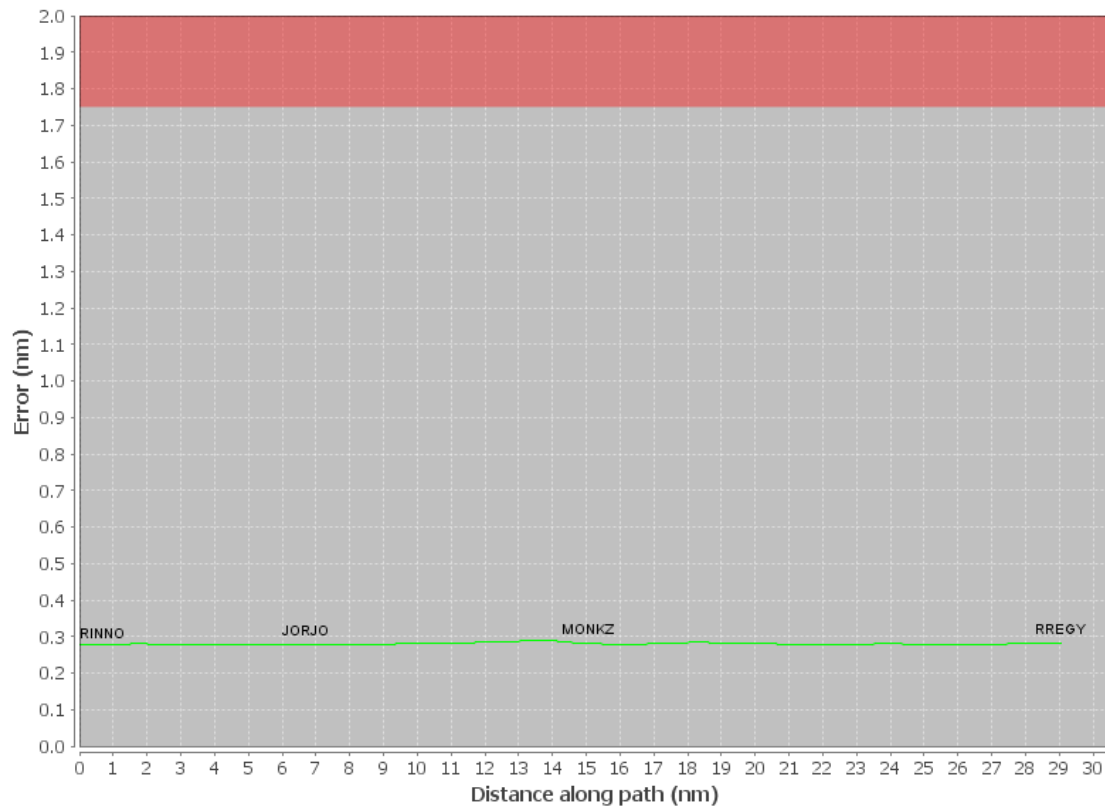
#	File Name
1	UserDMEsKORD [IFPA] SHAIN2 RNAV STAR_20200403_0902 CDT.udt

User DMEs

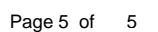
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSX FAA 970214-15 CSX [IFPA]	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	574.1	null	CSX FAA 970214-15	
ESV:		Bearing [True]: 281.0° to 7.0° Bearing [Mag]: 281.0° to 7.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
2	SPI FAA 042238-14 SPI [IFPA]	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	593.8	112.7	SPI FAA 042238-14	
ESV:		Bearing [True]: 224.0° to 244.0° Bearing [Mag]: 225.0° to 245.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
3	IJX FAA 860460-001 IJX [IFPA]	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	613.8	null	IJX FAA 860460-001	
ESV:		Bearing [True]: 243.0° to 264.0° Bearing [Mag]: 243.0° to 264.0°				Arc Distance: Out to 28.0 NM Altitude: 4900.0 to 13000.0 ft		
4	VIH FAA 704279-26 VIH [IFPA]	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	1105	117.7	VIH FAA 704279-26	
ESV:		Bearing [True]: 307.0° to 54.0° Bearing [Mag]: 301.0° to 48.0°				Arc Distance: Out to 53.0 NM Altitude: 4000.0 to 20000.0 ft		
5	HLV FAA 691871-28 HLV [IFPA]	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	921.9	114.2	HLV FAA 691871-28	
ESV:		Bearing [True]: 89.0° to 116.0° Bearing [Mag]: 83.0° to 110.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 20000.0 ft		
6	PNT FAA 702701-9 PNT [IFPA]	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	682.4	109.6	PNT FAA 702701-9	
ESV:		Bearing [True]: 245.0° to 325.0° Bearing [Mag]: 242.0° to 322.0°				Arc Distance: Out to 61.0 NM Altitude: 4000.0 to 14500.0 ft		
7	BRL FAA 101333-9 BRL [IFPA]	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	767.7	111.4	BRL FAA 101333-9	
ESV:		Bearing [True]: 105.0° to 162.0° Bearing [Mag]: 100.0° to 157.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 20000.0 ft		

DME DME Assessment Results for TRTLL6 path RINNO_RREGY

DME Error



Graphic Depiction 1



DME DME Assessment Results for TRTLL6 path STL_GROOV

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR TRTLL SIX 20200309 (email).tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] TRTLL6 20200403_0940 CDT\STL_GROOV\KORD TRTLL6 RNAV STAR STL GROOV 20200403_0940 CDT.pdf
Procedure Name:	TRTLL6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/03/2020 09:40 CDT
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
STL	WP	N38° 51' 38.48", W090° 28' 56.52"	5000	VNAV	200	FLY_BY	TF
GROOV	WP	N39° 25' 52.71", W090° 34' 08.70"	5000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [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 TRTLL6 path STL_GROOV

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TOY	N38° 44' 20.94", W089° 55' 06.93"	4.0 E	40	L	IFPA	NO	Enabled	59.9 %	59.9 %
2	FTZ	N38° 41' 39.60", W090° 58' 16.57"	5.0 E	40	L	IFPA	NO	Enabled	62.2 %	62.2 %
3	SPI	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	H	IFPA	NO	Enabled	39.1 %	39.1 %
4	CSX	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
5	STL	N38° 51' 38.48", W090° 28' 56.52"	1.0 E	130	H	IFPA	NO	Enabled	83.4 %	83.4 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CSX	FTZ	TOY			
5.7	CSX	FTZ	STL	TOY		
20.7	CSX	FTZ	STL			
21.0	SPI	CSX	STL	FTZ		
21.5	SPI	CSX	STL			

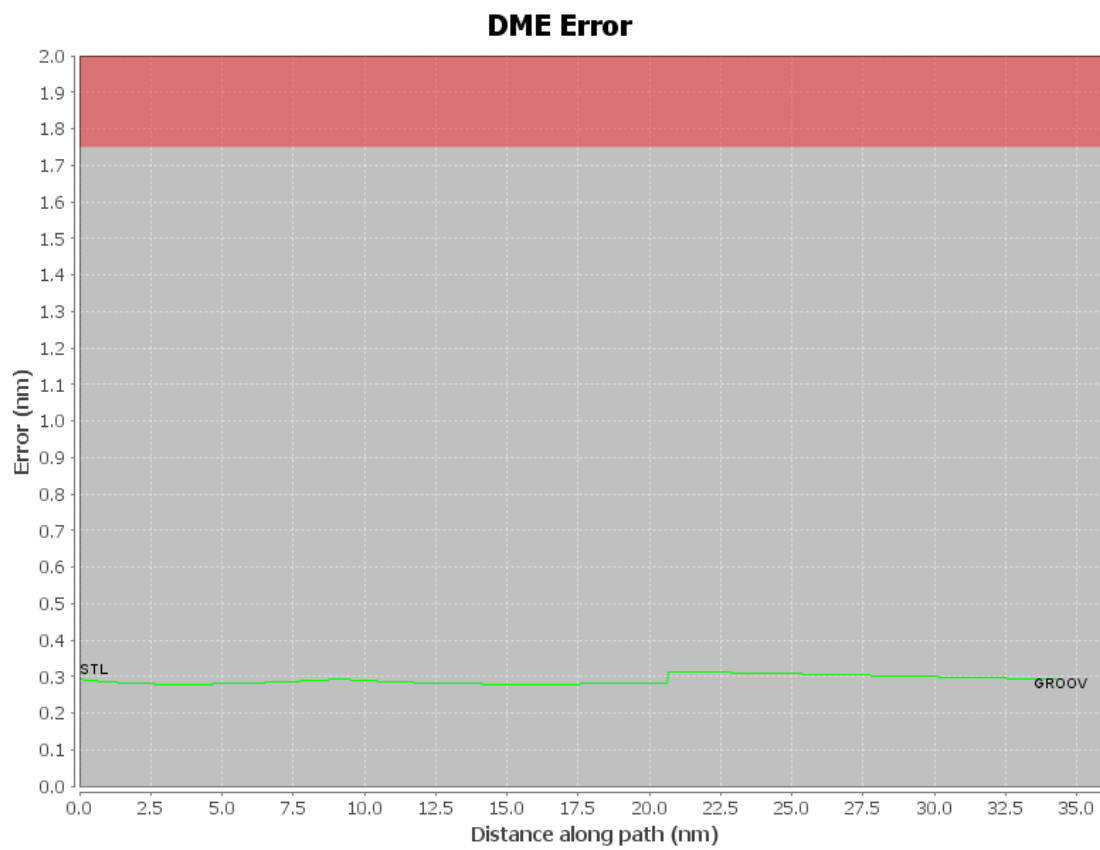
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
STL	GROOV	CSX, STL, FTZ, SPI, TOY

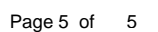
DME DME Assessment Results for TRTLL6 path STL_GROOV

User Data Files								
#	File Name							
1	UserDMEsKORD [IFPA] SHAIN2 RNAV STAR_20200403_0902 CDT.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSX FAA 970214-15 CSX [IFPA]	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	574.1	null	CSX FAA 970214-15	
ESV:		Bearing [True]: 281.0° to 7.0° Bearing [Mag]: 281.0° to 7.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
2	SPI FAA 042238-14 SPI [IFPA]	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	593.8	112.7	SPI FAA 042238-14	
ESV:		Bearing [True]: 224.0° to 244.0° Bearing [Mag]: 225.0° to 245.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
3	IJX FAA 860460-001 IJX [IFPA]	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	613.8	null	IJX FAA 860460-001	
ESV:		Bearing [True]: 243.0° to 264.0° Bearing [Mag]: 243.0° to 264.0°				Arc Distance: Out to 28.0 NM Altitude: 4900.0 to 13000.0 ft		
4	VIH FAA 704279-26 VIH [IFPA]	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	1105	117.7	VIH FAA 704279-26	
ESV:		Bearing [True]: 307.0° to 54.0° Bearing [Mag]: 301.0° to 48.0°				Arc Distance: Out to 53.0 NM Altitude: 4000.0 to 20000.0 ft		
5	HLV FAA 691871-28 HLV [IFPA]	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	921.9	114.2	HLV FAA 691871-28	
ESV:		Bearing [True]: 89.0° to 116.0° Bearing [Mag]: 83.0° to 110.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 20000.0 ft		
6	PNT FAA 702701-9 PNT [IFPA]	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	682.4	109.6	PNT FAA 702701-9	
ESV:		Bearing [True]: 245.0° to 325.0° Bearing [Mag]: 242.0° to 322.0°				Arc Distance: Out to 61.0 NM Altitude: 4000.0 to 14500.0 ft		
7	BRL FAA 101333-9 BRL [IFPA]	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	767.7	111.4	BRL FAA 101333-9	
ESV:		Bearing [True]: 105.0° to 162.0° Bearing [Mag]: 100.0° to 157.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 20000.0 ft		

DME DME Assessment Results for TRTLL6 path STL_GROOV



Graphic Depiction 1



DME DME Assessment Results for TRTLL6 path WELTS_CASHN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR TRTLL SIX 20200309 (email).tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] TRTLL6 20200403_0940 CDT\WELTS_CASHN\KORD TRTLL6 RNAV STAR WELTS CASHN 20200403_0940 CDT.pdf
Procedure Name:	TRTLL6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/03/2020 09:40 CDT
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
WELTS	WP	N39° 00' 22.96", W091° 46' 22.15"	5000	VNAV	200	FLY_BY	TF
MCDEE	WP	N39° 33' 06.00", W090° 54' 56.00"	5000	VNAV	200	FLY_BY	TF
CASHN	WP	N39° 57' 32.00", W090° 15' 34.00"	5000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [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 TRTLL6 path WELTS_CASHN

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	HLV	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	L	IFPA	NO	Enabled	20.7 %	20.7 %
2	UIN	N39° 50' 52.35", W091° 16' 44.13"	5.0 E	130	H	IFPA	NO	Enabled	36.8 %	36.8 %
3	BRL	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	L	IFPA	NO	Enabled	16.1 %	16.1 %
4	SPI	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	H	IFPA	NO	Enabled	15.1 %	15.1 %
5	CSX	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	H	IFPA	NO	Enabled	41.9 %	41.9 %
6	COU	N38° 48' 38.96", W092° 13' 05.79"	0.0 E	40	L	IFPA	NO	Enabled	17.1 %	17.1 %
7	IJX	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	T	IFPA	NO	Enabled	28.7 %	28.7 %

DME DME Assessment Results for TRTLL6 path WELTS_CASHN

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HLV	COU				
11.1						
11.2	CSX	COU				
15.7						
18.6	CSX	HLV				
21.7	CSX	UIN	HLV			
26.4	CSX	UIN				
36.8						
56.4	CSX	UIN				
59.7	CSX	IJX	UIN			
71.9						
76.0	BRL	UIN	IJX			
76.9	BRL	SPI	UIN	IJX		
78.1	BRL	SPI	IJX			
80.8	BRL	UIN	SPI	IJX		
81.6	BRL	SPI				
82.2	BRL	SPI	IJX			

Inertial Drift Segments				
#	Start Location	End Location	Length [NM]	
1	N39° 07' 25.38", W091° 35' 25.09"	N39° 07' 29.62", W091° 35' 18.47"	0.1111	
2	N39° 10' 23.38", W091° 30' 47.08"	N39° 12' 13.47", W091° 27' 54.79"	2.8889	
3	N39° 23' 44.16", W091° 09' 47.89"	N39° 36' 08.41", W090° 50' 04.78"	19.6402	
4	N39° 45' 49.92", W090° 34' 31.37"	N39° 48' 24.35", W090° 30' 22.17"	4.1067	

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
WELTS	MCDEE	HLV, COU, CSX, UIN
MCDEE	CASHN	IJX, CSX, UIN, BRL, SPI

DME DME Assessment Results for TRTLL6 path WELTS_CASHN

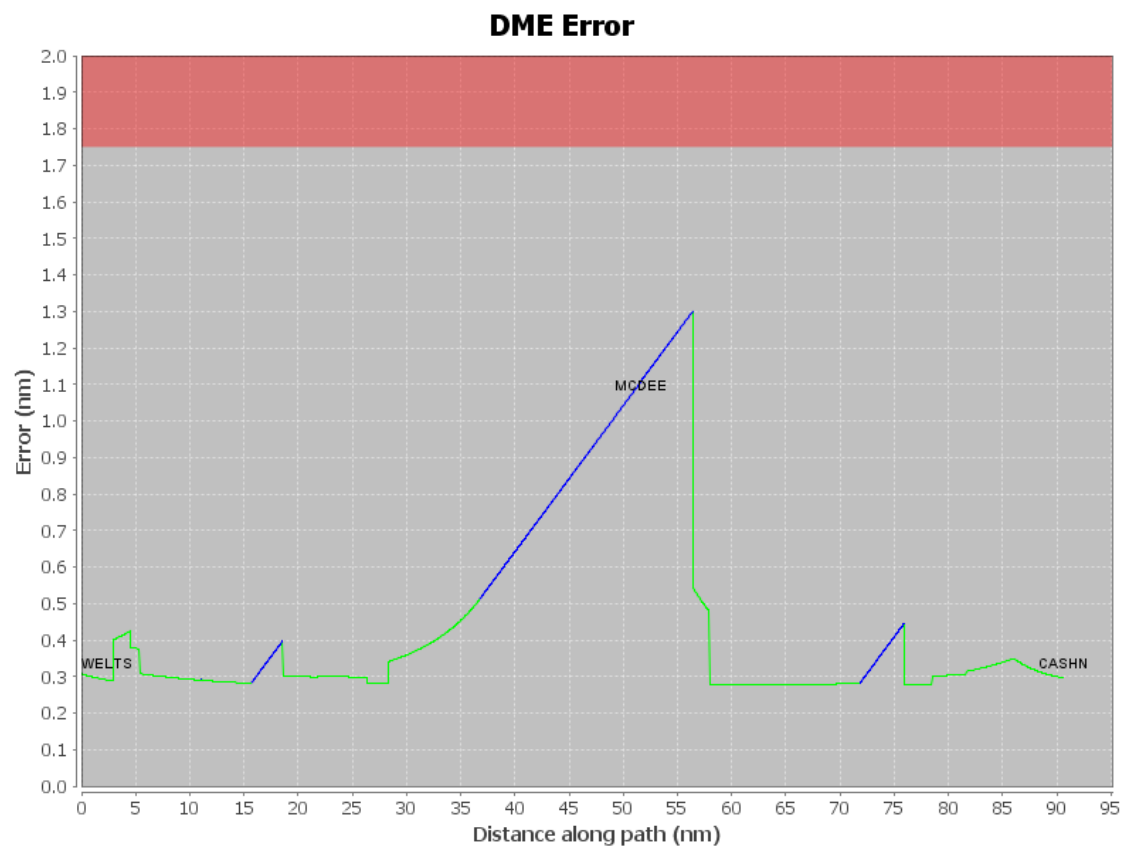
User Data Files

#	File Name
1	UserDMEsKORD [IFPA] SHAIN2 RNAV STAR_20200403_0902 CDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSX FAA 970214-15 CSX [IFPA]	N38° 45' 09.88", W090° 21' 39.46"	0.0 E	130	574.1	null	CSX FAA 970214-15	
ESV:		Bearing [True]: 281.0° to 7.0° Bearing [Mag]: 281.0° to 7.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
2	SPI FAA 042238-14 SPI [IFPA]	N39° 50' 23.04", W089° 40' 39.85"	1.0 W	130	593.8	112.7	SPI FAA 042238-14	
ESV:		Bearing [True]: 224.0° to 244.0° Bearing [Mag]: 225.0° to 245.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		
3	IJX FAA 860460-001 IJX [IFPA]	N39° 46' 35.48", W090° 14' 18.98"	0.0 E	25	613.8	null	IJX FAA 860460-001	
ESV:		Bearing [True]: 243.0° to 264.0° Bearing [Mag]: 243.0° to 264.0°				Arc Distance: Out to 28.0 NM Altitude: 4900.0 to 13000.0 ft		
4	VIH FAA 704279-26 VIH [IFPA]	N38° 09' 14.66", W091° 42' 24.38"	6.0 E	40	1105	117.7	VIH FAA 704279-26	
ESV:		Bearing [True]: 307.0° to 54.0° Bearing [Mag]: 301.0° to 48.0°				Arc Distance: Out to 53.0 NM Altitude: 4000.0 to 20000.0 ft		
5	HLV FAA 691871-28 HLV [IFPA]	N39° 06' 48.75", W092° 07' 41.64"	6.0 E	40	921.9	114.2	HLV FAA 691871-28	
ESV:		Bearing [True]: 89.0° to 116.0° Bearing [Mag]: 83.0° to 110.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 20000.0 ft		
6	PNT FAA 702701-9 PNT [IFPA]	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	682.4	109.6	PNT FAA 702701-9	
ESV:		Bearing [True]: 245.0° to 325.0° Bearing [Mag]: 242.0° to 322.0°				Arc Distance: Out to 61.0 NM Altitude: 4000.0 to 14500.0 ft		
7	BRL FAA 101333-9 BRL [IFPA]	N40° 43' 24.44", W090° 55' 33.20"	5.0 E	40	767.7	111.4	BRL FAA 101333-9	
ESV:		Bearing [True]: 105.0° to 162.0° Bearing [Mag]: 100.0° to 157.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 20000.0 ft		

DME DME Assessment Results for TRTLL6 path WELTS_CASHN



Graphic Depiction 1

