

DME DME Assessment Results for SLENA2 path YENNS_BRENI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\SLENA TWO SID\KSAT SLENA SID working 20241022 (1).tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\SLENA TWO SID\KSAT [IFPA] SLENA2 20241024_1646 EDT\YENNS_BRENI\KSAT SLENA2 SID YENNS BRENI 20241024_1646 EDT.pdf
Procedure Name:	SLENA2
Software: DmeDmePlugin:	7.4.0
Date/Time:	10/24/2024 16:46 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
YENNS	WP	N29° 04' 04.5900", W098° 19' 19.1400"	5000	VNAV	200	FLY_BY	TF
LILJO-	WP	N28° 45' 26.2593", W098° 14' 51.0448"	8000	VNAV	200	FLY_BY	TF
SLENA-	WP	N28° 32' 38.3120", W098° 11' 47.8921"	10000	VNAV	200	FLY_BY	TF
BRENI	WP	N27° 54' 13.9000", W097° 26' 42.1200"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSAT [IFPA]
Climb Gradient:	None assigned
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

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DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CRP	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	H		NO	Enabled	39.6 %	39.5 %
2	PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	H		NO	Enabled	43.9 %	43.9 %
3	THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	L		NO	Enabled	76.3 %	76.4 %
4	VCT	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	L		NO	Enabled	82.7 %	82.7 %
5	SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	H		NO	Enabled	37 %	37 %
6	COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	130	H		NO	Enabled	37 %	37 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	VCT	SAT	THX	COT		
32.1	COT	SAT	VCT			
32.3						
40.6	VCT	THX				
43.8	VCT	THX	PSX			
47.5	VCT	CRP	THX	PSX		
75.3	VCT	CRP	PSX			
80.5						
82.6	VCT	CRP	PSX			
82.8	PSX	CRP				
84.3						

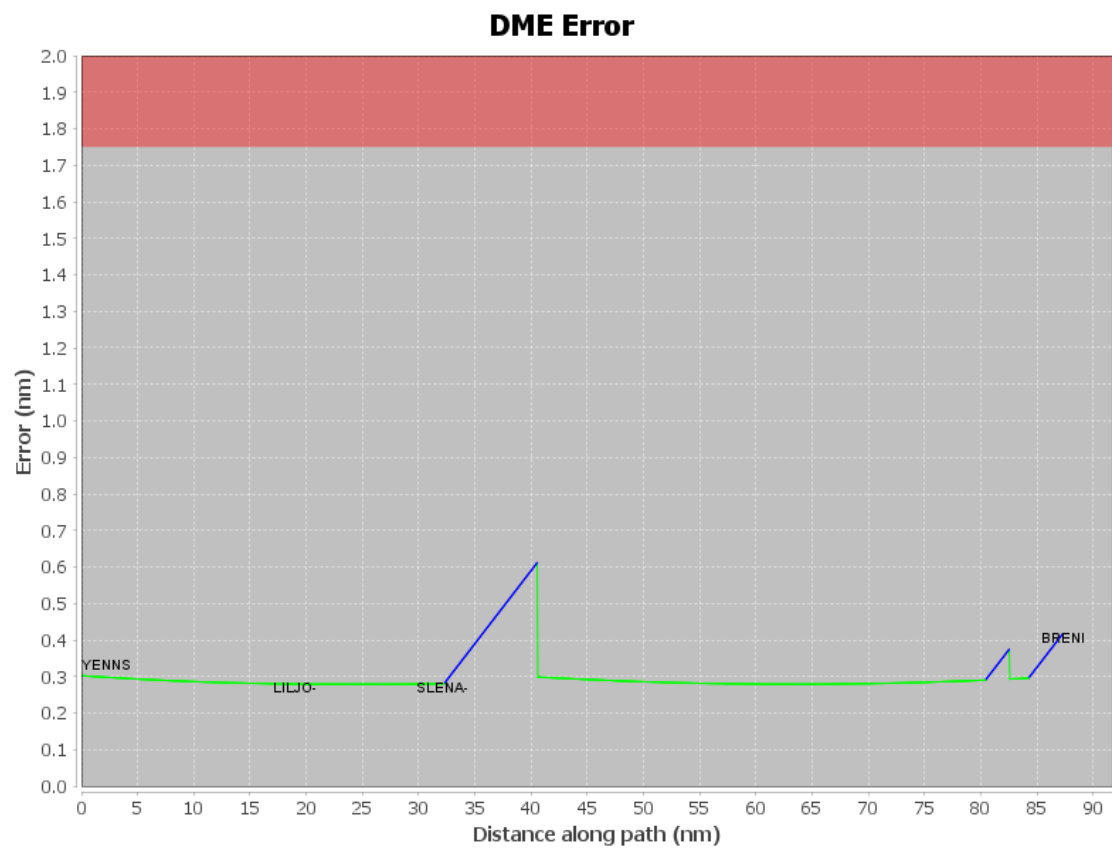
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Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 32' 26.7700", W098° 11' 34.2141"	N28° 26' 42.6402", W098° 04' 46.9899"	8.2757
2	N27° 58' 59.5802", W097° 32' 14.8608"	N27° 57' 31.3455", W097° 30' 32.0109"	2.1106
3	N27° 56' 19.3485", W097° 29' 08.1414"	N27° 54' 13.9000", W097° 26' 42.1200"	2.9992

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
YENNS	LILJO-	THX, VCT, SAT, COT	
LILJO-	SLENA-	THX, VCT, SAT, COT	
SLENA-	BRENI	CRP, PSX, THX, VCT, SAT, COT	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV VCT [IFPA] VCT	N28° 54' 01.1460", W096° 58' 44.1650"	6.0 E	40	125	109.0	ESV VCT [IFPA]	
ESV:		Bearing [True]: 267.0° to 286.0° Bearing [Mag]: 261.0° to 280.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 15500.0 ft		
2	VCT FAA 981797-1 VCT	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-1	
ESV:		Bearing [True]: 7.0° to 6.0° Bearing [Mag]: 1.0° to 360.0°				Arc Distance: Out to 80.0 NM Altitude: 6100.0 to 17500.0 ft		
3	ESV COT [IFPA] COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	130	522.3	115.8	ESV COT [IFPA]	
ESV:		Bearing [True]: 44.0° to 94.0° Bearing [Mag]: 35.0° to 85.0°				Arc Distance: Out to 60.0 NM Altitude: 4000.0 to 15500.0 ft		
4	PSX FAA 704268-37 PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
ESV:		Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 14600.0 ft		
5	ESV SAT [IFPA] SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	1158.8	116.8	ESV SAT [IFPA]	
ESV:		Bearing [True]: 153.0° to 187.0° Bearing [Mag]: 145.0° to 179.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 16500.0 ft		

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Graphic Depiction 1

