

DME DME Assessment Results for TJANO1 path LVACA_KAHAN

Results Summary

Flyability:	Completed
DME/DME:	Completed - 2 Critical DMEs: THX, SAT
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KSAT\DME SCREENS 20230118\TJANO\KSAT TJANO SID DME 20230810 CD 20230117.tgs
Output File:	S:\530View\BUBBA\KSAT\DME SCREENS 20230118\TJANO\KSAT [IFPA] TJANO1 20230119_0756 CST\LVACA_KAHAN\KSAT TJANO1 SID LVACA KAHAN 20230119_0756 CST.pdf
Procedure Name:	TJANO1
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 07:56 CST
Databases:	DTED Level 0 MAX

Failures

NO_COVERAGE_BEGINNING_OF_ROUTE	Critical at beginning of route starting at LVACA
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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
LVACA	WP	N29° 06' 29.3431", W098° 40' 59.6461"	5000	VNAV	200	FLY_BY	TF
TJANO	WP	N28° 49' 00.5692", W098° 52' 09.9272"	9000	VNAV	200	FLY_BY	TF
TEEPY	WP	N28° 16' 49.0145", W099° 13' 02.7255"	10000	VNAV	200	FLY_BY	TF
KAHAN	WP	N27° 46' 27.2400", W099° 19' 42.1500"	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

DME DME Assessment Results for TJANO1 path LVACA_KAHAN

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	COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	40	L	IFPA	NO	Enabled	75.7 %	75.7 %
2	THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	L	IFPA	YES	Enabled	77.1 %	77.1 %
3	SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	H	IFPA	YES	Enabled	5.7 %	5.7 %
4	LRD	N27° 28' 43.4544", W099° 25' 03.6441"	9.0 E	130	H	IFPA	NO	Enabled	18 %	18 %
5	CRP	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	H	IFPA	NO	Enabled	9 %	9 %
6	CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	H	IFPA	NO	Enabled	37.8 %	37.8 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	THX	SAT				
4.5	THX	SAT	CSI			
5.1						
5.4	THX	COT	CSI			
25.8	THX	COT	CSI			
37.4	CSI	THX				
38.1						
47.8	CRP	COT				
52.4	CRP	COT	THX			
55.8	THX	COT				
66.6	THX	LRD	COT			
82.5						

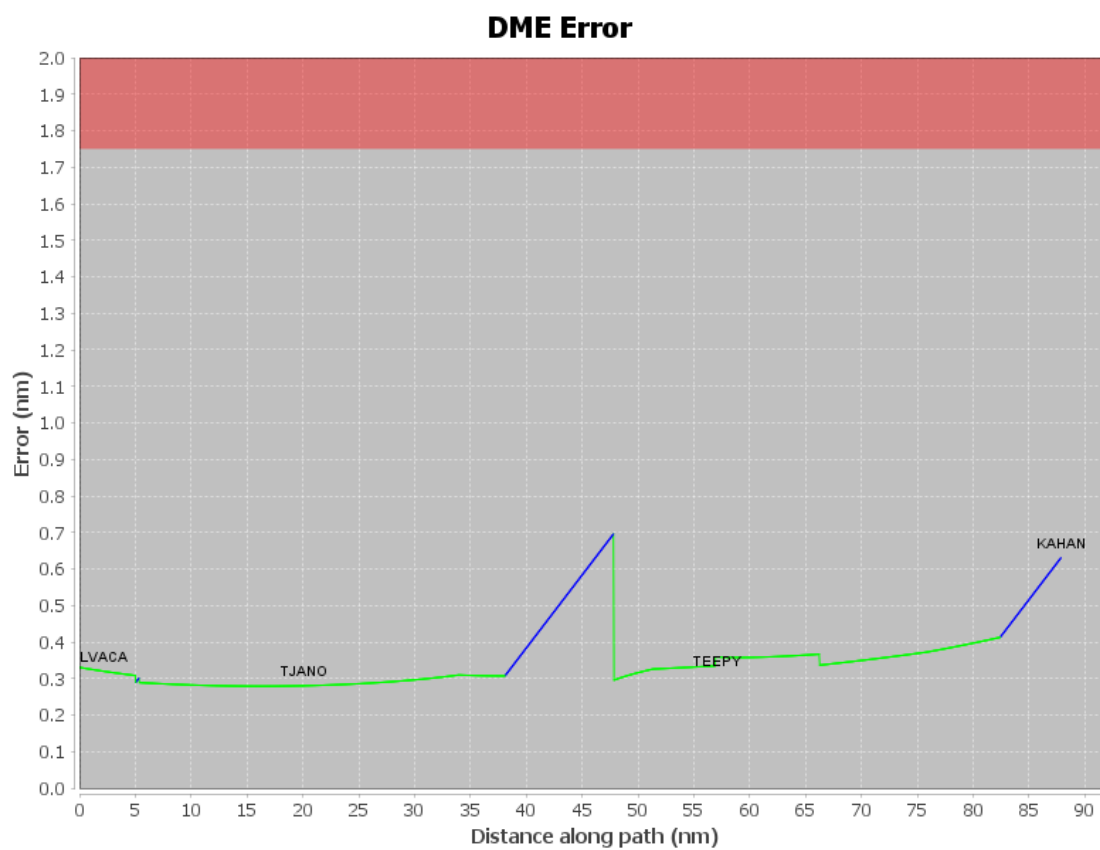
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Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N29° 02' 02.1581", W098° 43' 50.8225"	N29° 01' 47.6353", W098° 44' 00.1186"	0.277
2	N28° 33' 13.8077", W099° 02' 25.8524"	N28° 24' 47.0371", W099° 07' 54.0635"	9.7056
3	N27° 51' 45.1004", W099° 18' 32.7344"	N27° 46' 27.2400", W099° 19' 42.1500"	5.3819

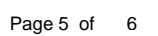
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
LVACA	TJANO	THX, SAT, CSI, COT	
TJANO	TEEPY	CRP, THX, CSI, COT	
TEEPY	KAHAN	THX, COT, LRD	

User Data Files								
#	File Name							
1	UserDMEsKSAT [IFPA] TJANO1 SID_20230119_0750 CST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CSI FAA 766740-028 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-028	
ESV:		Bearing [True]: 151.0° to 169.0° Bearing [Mag]: 143.0° to 161.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 16600.0 ft		
2	CRP FAA 704212-043 CRP [IFPA]	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	60	115.5	CRP FAA 704212-043	
ESV:		Bearing [True]: 283.0° to 292.0° Bearing [Mag]: 274.0° to 283.0°				Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 18100.0 ft		
3	CSI FAA 766740-028 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-028	
ESV:		Bearing [True]: 162.0° to 177.0° Bearing [Mag]: 154.0° to 169.0°				Arc Distance: Out to 85.0 NM Altitude: 9100.0 to 16600.0 ft		
4	THX FAA 772882-050 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-050	
ESV:		Bearing [True]: 236.0° to 326.0° Bearing [Mag]: 228.0° to 318.0°				Arc Distance: Out to 80.0 NM Altitude: 4900.0 to 18300.0 ft		

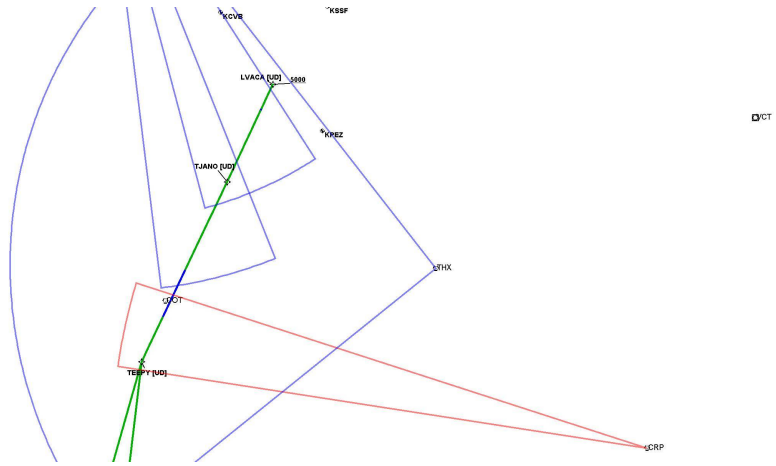
DME DME Assessment Results for TJANO1 path LVACA_KAHAN



Graphic Depiction 1



Graphic Depiction 2



DME DME Assessment Results for TJANO1 path TEEPY_ZANNI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KSAT\DME SCREENS 20230118\TJANO\KSAT TJANO SID DME 20230810 CD 20230117.tgs
Output File:	S:\530View\BUBBA\KSAT\DME SCREENS 20230118\TJANO\KSAT [IFPA] TJANO1 20230119_0756 CST\TEEPY_ZANNI\KSAT TJANO1 SID TEEPY ZANNI 20230119_0756 CST.pdf
Procedure Name:	TJANO1
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 07:56 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
TEEPY	WP	N28° 16' 49.0145", W099° 13' 02.7255"	10000	VNAV	200	FLY_BY	TF
ZANNI	WP	N27° 48' 34.7575", W099° 24' 43.9508"	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

DME DME Assessment Results for TJANO1 path TEEPY_ZANNI

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	COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	40	L	IFPA	NO	Enabled	91.9 %	91.9 %
2	THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	L	IFPA	NO	Enabled	94.6 %	94.6 %
3	LRD	N27° 28' 43.4544", W099° 25' 03.6441"	9.0 E	130	H	IFPA	NO	Enabled	60.6 %	60.6 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	THX	COT				
10.2	THX	LRD	COT			
27.6	THX	LRD				
28.4						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N27° 50' 02.6351", W099° 24' 07.7404"	N27° 48' 34.7575", W099° 24' 43.9508"	1.5556

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TEEPY	ZANNI	THX, COT, LRD	

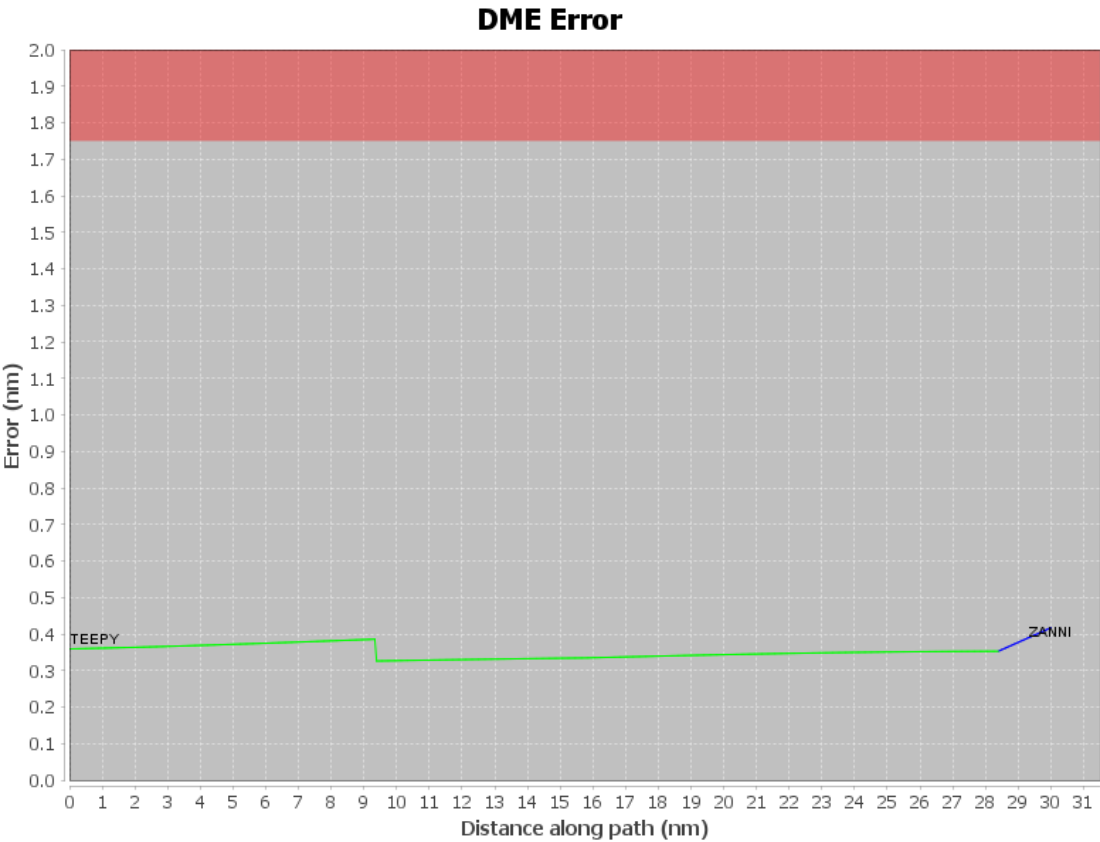
DME DME Assessment Results for TJANO1 path TEEPY_ZANNI

User Data Files

#	File Name
1	UserDMEsKSAT [IFPA] TJANO1 SID_20230119_0750 CST.udt

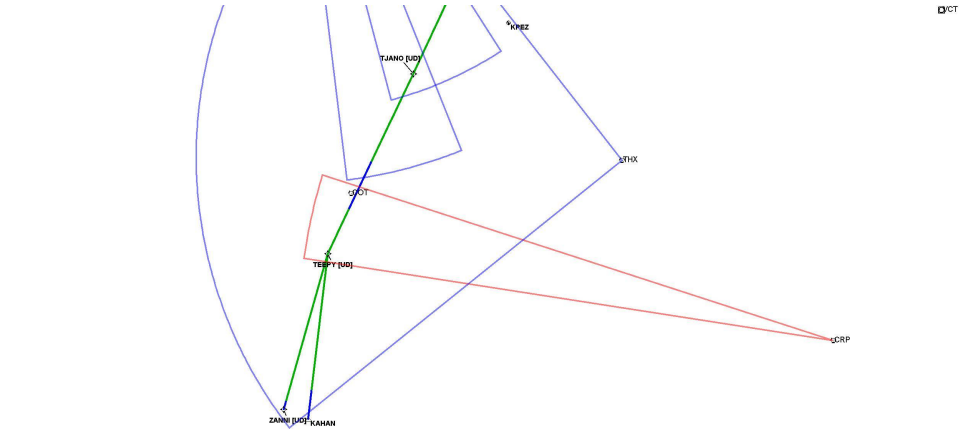
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
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ESV:		Bearing [True]: 151.0° to 169.0° Bearing [Mag]: 143.0° to 161.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 16600.0 ft		
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DME DME Assessment Results for TJANO1 path TEEPY_ZANNI

Graphic Depiction 1



DME DME Assessment Results for TJANO1 path TEEPY_ZANNI

Graphic Depiction 2

