

DME DME Assessment Results for TJANO2 path LVACA_KAHAN

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\TJANO TWO SID\KSAT TJANO SID 2025 DME 20241031.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\TJANO TWO SID\10-31-24\KSAT [IFPA] TJANO2 20241105_1015 EST\LVACA_KAHAN\KSAT TJANO2 SID LVACA KAHAN 20241105_1015 EST.pdf
Procedure Name:	TJANO2
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 10:15 EST
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
LVACA	WP	N29° 06' 29.3400", W098° 40' 59.6500"	5000	VNAV	200	FLY_BY	TF
TJANO	WP	N28° 49' 00.5700", W098° 52' 09.9300"	9000	VNAV	200	FLY_BY	TF
TEEPY	WP	N28° 16' 49.0100", W099° 13' 02.7300"	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

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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:	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	24.8 %	24.8 %
2	THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	L		NO	Enabled	88.4 %	88.4 %
3	SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	H		NO	Enabled	23.1 %	23.1 %
4	CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	H		NO	Enabled	43.4 %	43.3 %
5	COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	130	H		NO	Enabled	86.7 %	86.7 %
6	LRD	N27° 28' 43.4544", W099° 25' 03.6441"	9.0 E	130	H		NO	Enabled	35.5 %	35.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	COT	THX	CSI	SAT		
20.4	THX	COT	CSI			
37.4	THX	CSI				
38.1						
47.1	LRD	THX				
47.3	LRD	THX	CRP			
47.8	LRD	THX	CRP	COT		
55.7	LRD	THX	COT			
57.1	THX	COT				
66.6	THX	LRD	COT			
74.4	CRP	LRD	COT	THX		
84.6	CRP	LRD				
85.7	CRP	LRD	COT	THX		

DME DME Assessment Results for TJANO2 path LVACA_KAHAN

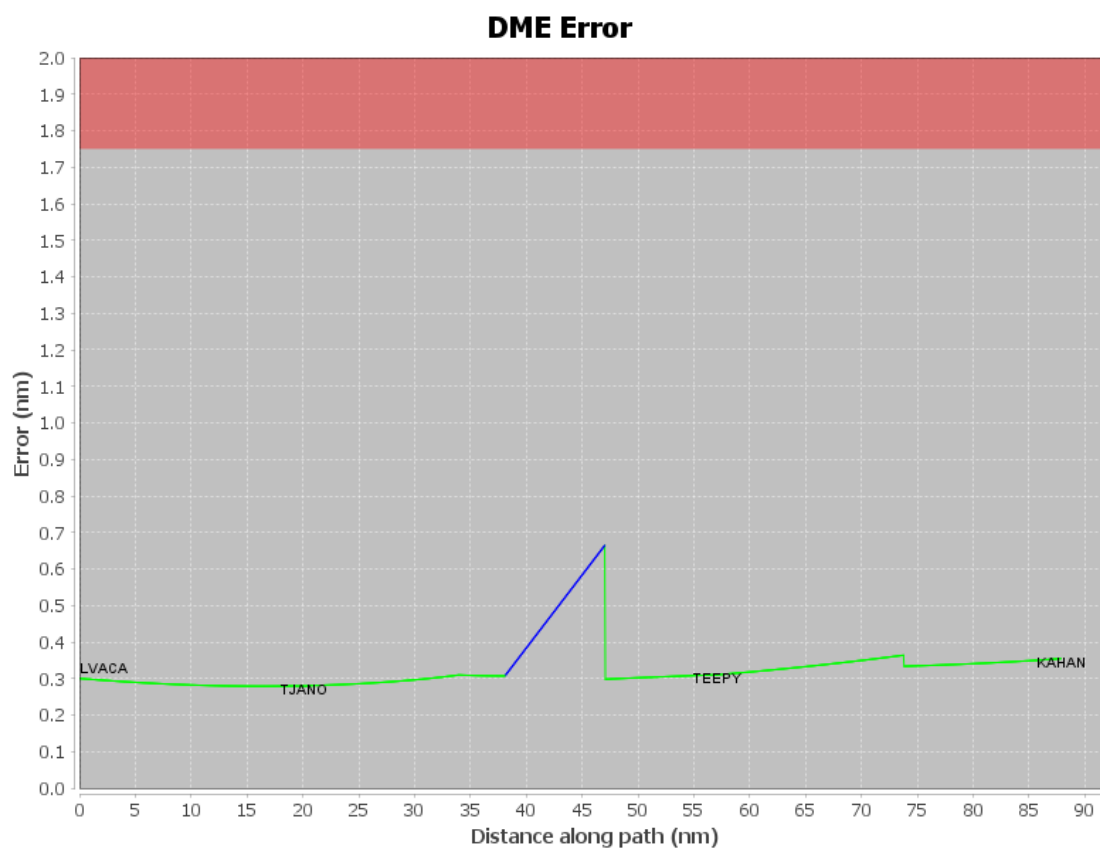
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 33' 13.8063", W099° 02' 25.8558"	N28° 25' 27.5843", W099° 07' 27.8426"	8.9292

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

DME DME Assessment Results for TJANO2 path LVACA_KAHAN

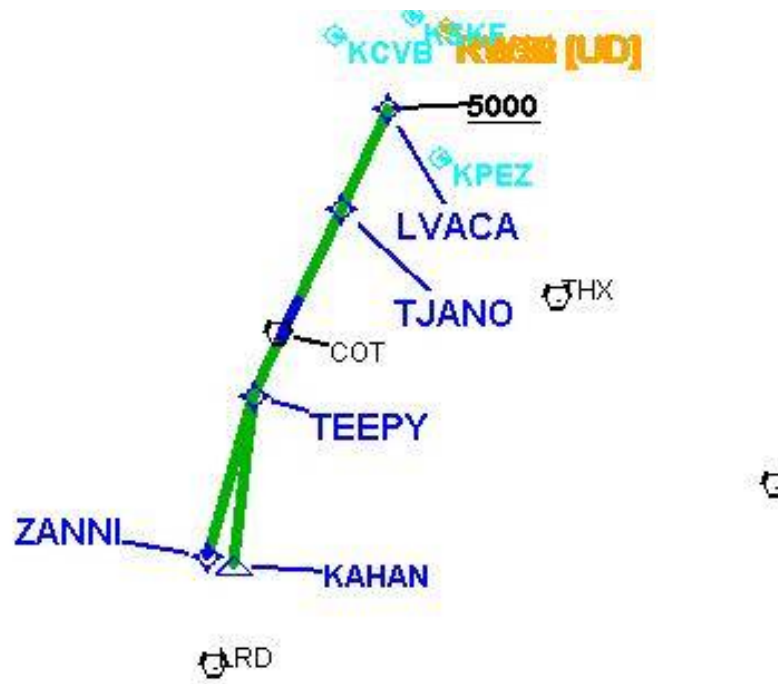
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LRD LRD	N27° 28' 43.4544", W099° 25' 03.6441"	9.0 E	130	583	117.4	LRD	
ESV:		Bearing [True]: 8.0° to 20.0° Bearing [Mag]: 359.0° to 11.0°				Arc Distance: Out to 60.0 NM Altitude: 9900.0 to 15100.0 ft		
2	ESV CSI [IFPA] CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	ESV CSI [IFPA]	
ESV:		Bearing [True]: 138.0° to 162.0° Bearing [Mag]: 130.0° to 154.0°				Arc Distance: Out to 63.0 NM Altitude: 5000.0 to 10000.0 ft		
3	CSI 3 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI 3	
ESV:		Bearing [True]: 152.0° to 168.0° Bearing [Mag]: 144.0° to 160.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 16600.0 ft		
4	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]: 17.0° to 54.0° Bearing [Mag]: 8.0° to 45.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 10000.0 ft		
5	COT COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	130	522.3	115.8	COT	
ESV:		Bearing [True]: 25.0° to 37.0° Bearing [Mag]: 16.0° to 28.0°				Arc Distance: Out to 41.0 NM Altitude: 5900.0 to 15100.0 ft		
6	CRP 1 CRP	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	60	115.5	CRP 1	
ESV:		Bearing [True]: 284.0° to 290.0° Bearing [Mag]: 275.0° to 281.0°				Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 18100.0 ft		
7	THX FAA 772882-50 THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-50	
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		
8	THX THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX	
ESV:		Bearing [True]: 233.0° to 259.0° Bearing [Mag]: 225.0° to 251.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18300.0 ft		
9	CSI FAA 766740-28 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-28	
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		
10	SAT SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	1158.8	116.8	SAT	
ESV:		Bearing [True]: 195.0° to 208.0° Bearing [Mag]: 187.0° to 200.0°				Arc Distance: Out to 55.0 NM Altitude: 5900.0 to 15700.0 ft		
11	CSI 2 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI 2	
ESV:		Bearing [True]: 150.0° to 157.0° Bearing [Mag]: 142.0° to 149.0°				Arc Distance: Out to 63.0 NM Altitude: 5500.0 to 16600.0 ft		
12	COT COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	130	522.3	115.8	COT	
ESV:		Bearing [True]: 189.0° to 201.0° Bearing [Mag]: 180.0° to 192.0°				Arc Distance: Out to 44.0 NM Altitude: 9900.0 to 15100.0 ft		
13	CRP 2 CRP	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	60	115.5	CRP 2	
ESV:		Bearing [True]: 265.0° to 274.0° Bearing [Mag]: 256.0° to 265.0°				Arc Distance: Out to 108.0 NM Altitude: 9900.0 to 18100.0 ft		

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DME DME Assessment Results for TJANO2 path LVACA_KAHAN

Graphic Depiction 1



DME DME Assessment Results for TJANO2 path TEEPY_ZANNI

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\TJANO TWO SID\KSAT TJANO SID 2025 DME 20241031.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\TJANO TWO SID\10-31-24\KSAT [IFPA] TJANO2 20241105_1015 EST\TEEPY_ZANNI\KSAT TJANO2 SID TEEPY ZANNI 20241105_1015 EST.pdf
Procedure Name:	TJANO2
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 10:15 EST
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
TEEPY	WP	N28° 16' 49.0100", W099° 13' 02.7300"	10000	VNAV	200	FLY_BY	TF
ZANNI	WP	N27° 48' 34.7600", W099° 24' 43.9500"	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 TJANO2 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, 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:	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	35.9 %	35.9 %
2	THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	L		NO	Enabled	94.6 %	94.6 %
3	COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	130	H		NO	Enabled	91.9 %	91.9 %
4	LRD	N27° 28' 43.4544", W099° 25' 03.6441"	9.0 E	130	H		NO	Enabled	64.1 %	64.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	THX	COT				
10.2	THX	LRD	COT			
18.7	CRP	LRD	THX	COT		
27.6	CRP	LRD	THX			
28.4	CRP	LRD				
29.5						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N27° 49' 03.0066", W099° 24' 32.3128"	N27° 48' 34.7600", W099° 24' 43.9500"	0.5

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

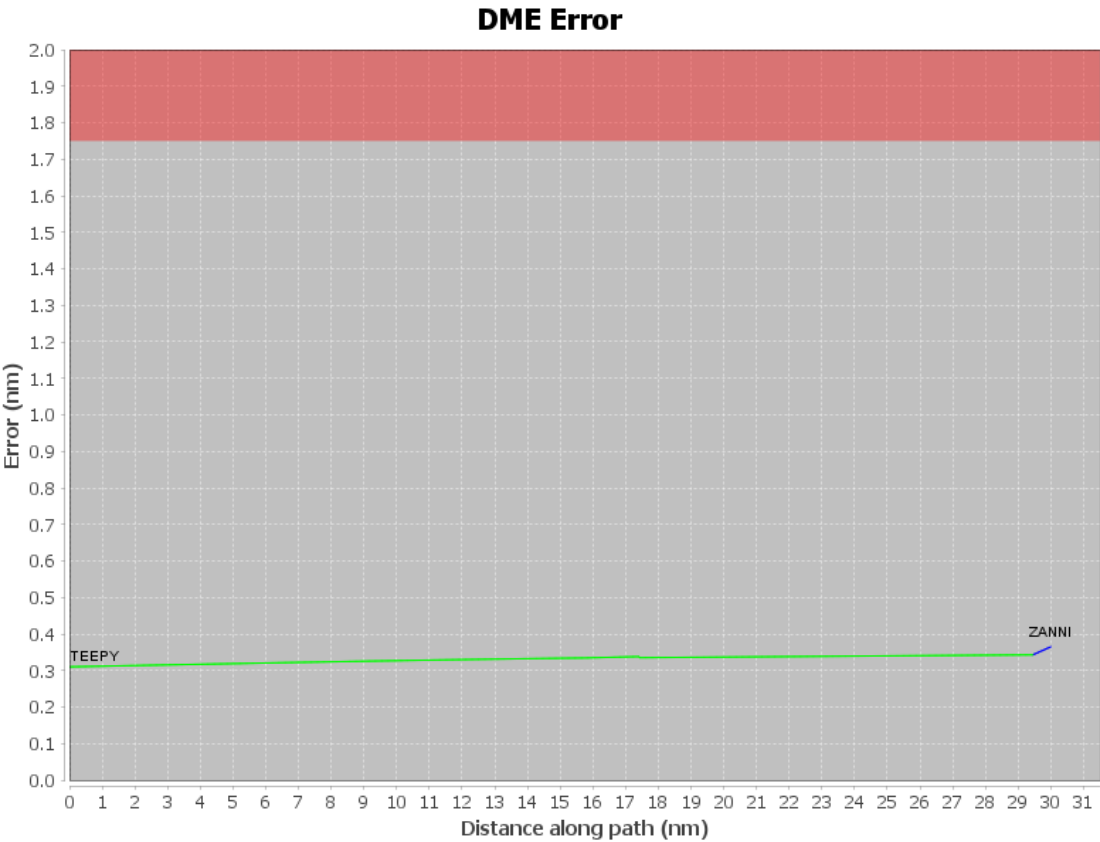
DME DME Assessment Results for TJANO2 path TEEPY_ZANNI

User Data Files

#	File Name
1	New Analysis.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LRD LRD	N27° 28' 43.4544", W099° 25' 03.6441"	9.0 E	130	583	117.4	LRD	
ESV:		Bearing [True]: 8.0° to 20.0° Bearing [Mag]: 359.0° to 11.0°				Arc Distance: Out to 60.0 NM Altitude: 9900.0 to 15100.0 ft		
2	ESV CSI [IFPA] CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	ESV CSI [IFPA]	
ESV:		Bearing [True]: 138.0° to 162.0° Bearing [Mag]: 130.0° to 154.0°				Arc Distance: Out to 63.0 NM Altitude: 5000.0 to 10000.0 ft		
3	CSI 3 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI 3	
ESV:		Bearing [True]: 152.0° to 168.0° Bearing [Mag]: 144.0° to 160.0°				Arc Distance: Out to 72.0 NM Altitude: 5900.0 to 16600.0 ft		
4	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]: 17.0° to 54.0° Bearing [Mag]: 8.0° to 45.0°				Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 10000.0 ft		
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6	CRP 1 CRP	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	60	115.5	CRP 1	
ESV:		Bearing [True]: 284.0° to 290.0° Bearing [Mag]: 275.0° to 281.0°				Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 18100.0 ft		
7	THX FAA 772882-50 THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-50	
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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		
10	SAT SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	1158.8	116.8	SAT	
ESV:		Bearing [True]: 195.0° to 208.0° Bearing [Mag]: 187.0° to 200.0°				Arc Distance: Out to 55.0 NM Altitude: 5900.0 to 15700.0 ft		
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ESV:		Bearing [True]: 265.0° to 274.0° Bearing [Mag]: 256.0° to 265.0°				Arc Distance: Out to 108.0 NM Altitude: 9900.0 to 18100.0 ft		



Graphic Depiction 1

