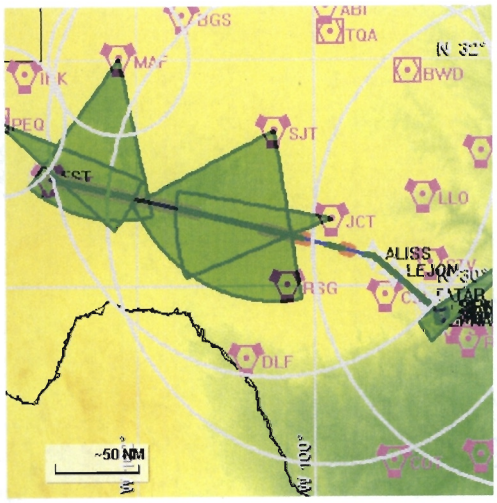

Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.34
Date/Time:	1/7/2010 1:10:31 PM
Input File:	KSAT_PNA_IDFix_TATAR...
Databases:	AVNIS Date: 06/19/2009
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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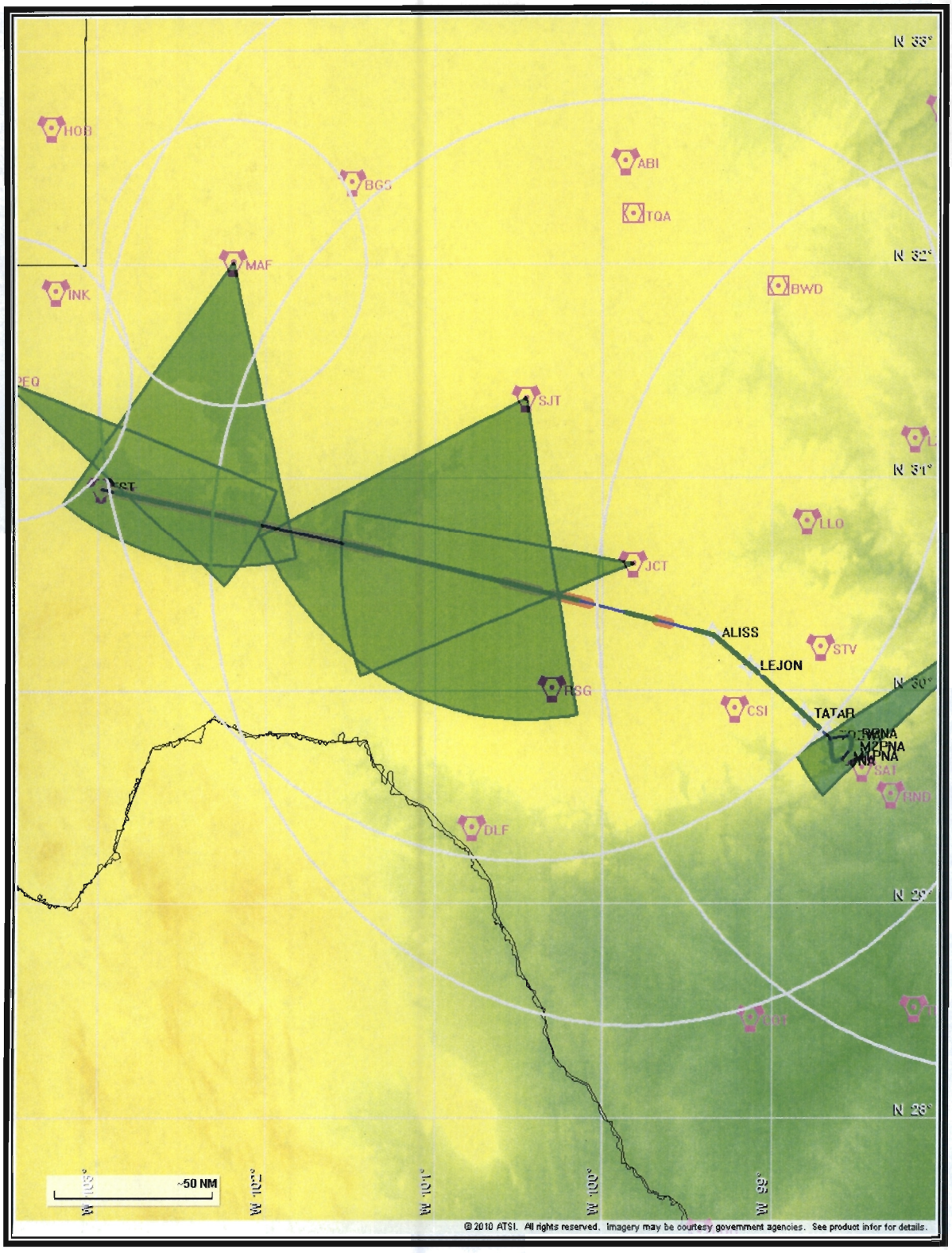
HOB
BGS
ABI
TQA
MAF
INK
BWD
SJT
JCT
ALISS
LEJON
STV
HSG
CSI
TATAR
SAT
BND
DLF
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	IAS [Kts]	Turn Type	Leg Type
TREVA	WP	N 29° 46' 55.06" W 98° 39' 14.10"	5000.0	200.0	Fly Over	TF
LPNA	WP	N 29° 39' 56.32" W 98° 38' 23.84"	5000.0	200.0	Fly By	TF
M1PNA	WP	N 29° 41' 14.29" W 98° 34' 30.78"	5000.0	200.0	Fly By	TF
M2PNA	WP	N 29° 44' 3.51" W 98° 31' 53.44"	5000.0	200.0	Fly By	TF
RPNA	WP	N 29° 47' 38.72" W 98° 31' 14.02"	5000.0	200.0	Fly By	TF
TREVA	WP	N 29° 46' 55.06" W 98° 39' 14.10"	5000.0	200.0	Fly By	TF
TATAR	WP	N 29° 53' 13.51" W 98° 48' 8.85"	5000.0	200.0	Fly By	TF
LEJON	WP	N 30° 6' 46.31" W 99° 7' 19.08"	5000.0	200.0	Fly By	TF
ALISS	WP	N 30° 15' 49.66" W 99° 20' 50.03"	8000.0	200.0	Fly By	TF
FST	WP	N 30° 57' 7.58" W 102° 58' 32.56"	8000.0	200.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival/Approach **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **29000.0 Ft.** **280.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

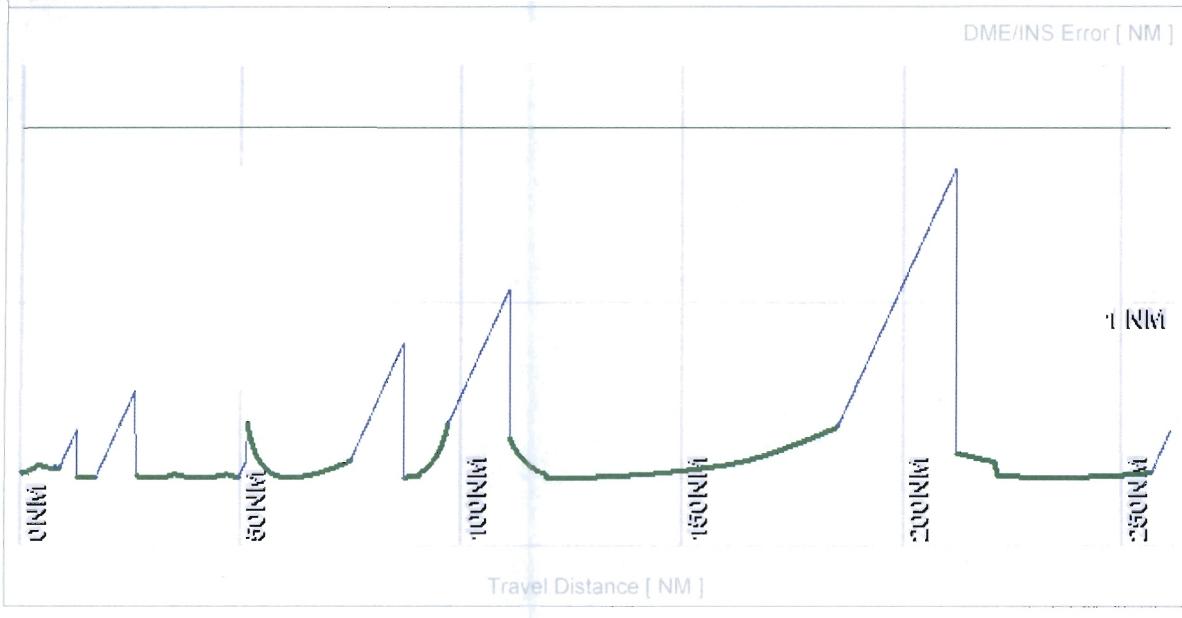
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 10

Maximum DME Error: 1.562 NM.

6 Critical DMEs were found.

Available DMEs: CSI, SAT, STV, CWK, JCT, RSG, SJT, MAF, PEQ, FST



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CSI	N 29° 55' 20.38" W 99° 12' 52.23"	H	Database	YES	**1.811**	Enabled	15.9 %	15.8 %
2	STV	N 30° 12' 24.33" W 98° 42' 20.72"	H	Database	NO	1.562	Enabled	17.0 %	17.0 %
3	CWK	N 30° 22' 42.78" W 97° 31' 47.45"	H + ESV	User	NO	1.562	Enabled	4.7 %	4.7 %
4	SAT	N 29° 38' 38.51" W 98° 27' 40.73"	H	Database	NO	1.562	Enabled	8.7 %	8.7 %
5	JCT	N 30° 35' 52.86" W 99° 49' 2.92"	H + ESV	User	YES	**3.241**	Enabled	31.6 %	31.6 %
6	RSG	N 30° 0' 52.57" W 100° 17' 59.44"	L	Database	YES	**2.140**	Enabled	10.8 %	10.8 %
7	SJT	N 31° 22' 29.83" W 100° 27' 17.55"	H + ESV	User	YES	**3.177**	Enabled	21.5 %	21.5 %
8	MAF	N 32° 0' 33.64" W 102° 11' 25.40"	L + ESV	User	YES	**3.528**	Enabled	17.1 %	17.1 %
9	PEQ	N 31° 28' 9.53" W 103° 34' 29.12"	L + ESV	User	YES	**1.935**	Enabled	3.6 %	3.6 %
10	FST	N 30° 57' 7.58" W 102° 58' 32.57"	H	Database	NO	1.562	Enabled	13.5 %	13.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	CSI	SAT	CWK	STV		
5.1	CSI	SAT	CWK			
8.9	CSI	SAT	CWK			
12.6	CWK	SAT				
14.8	CWK	SAT	CSI			
21.9	STV	SAT	CSI			
32.6	STV	SAT	CSI			
53.9	STV	JCT	CSI			
68.3	STV	JCT	CSI	RSG	SJT	
123.9	STV	JCT	CSI	RSG	SJT	
173.8	STV	JCT	CSI	RSG	SJT	
203.8	PEQ	MAF				
216.2	PEQ	MAF	FST			
226.2	PEQ	MAF	FST			

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 29° 46' 41.59" W 98° 39' 12.48"	N 29° 46' 35.03" W 98° 39' 11.69"	0.1
	VOR: CSI	Available from N 29° 46' 41.59" W 98° 39' 12.48" to N 29° 46' 35.03" W 98° 39' 11.69"	
	VOR: HDO	Available from N 29° 46' 41.59" W 98° 39' 12.48" to N 29° 46' 35.03" W 98° 39' 11.69"	
	VOR: RND	Available from N 29° 46' 41.59" W 98° 39' 12.48" to N 29° 46' 35.03" W 98° 39' 11.69"	
	VOR: SAT	Available from N 29° 46' 41.59" W 98° 39' 12.48" to N 29° 46' 35.03" W 98° 39' 11.69"	
	VOR: SSF	Available from N 29° 46' 41.59" W 98° 39' 12.48" to N 29° 46' 35.03" W 98° 39' 11.69"	
	VOR: STV	Available from N 29° 46' 41.59" W 98° 39' 12.48" to N 29° 46' 35.03" W 98° 39' 11.69"	
2	N 29° 40' 32.10" W 98° 36' 38.37"	N 29° 40' 38.34" W 98° 36' 16.58"	0.3
	VOR: CSI	Available from N 29° 40' 32.10" W 98° 36' 38.37" to N 29° 40' 38.34" W 98° 36' 16.58"	
	VOR: HDO	Available from N 29° 40' 32.10" W 98° 36' 38.37" to N 29° 40' 38.34" W 98° 36' 16.58"	
	VOR: RND	Available from N 29° 40' 32.10" W 98° 36' 38.37" to N 29° 40' 38.34" W 98° 36' 16.58"	
	VOR: SAT	Available from N 29° 40' 32.10" W 98° 36' 38.37" to N 29° 40' 38.34" W 98° 36' 16.58"	
	VOR: SSF	Available from N 29° 40' 32.10" W 98° 36' 38.37" to N 29° 40' 38.34" W 98° 36' 16.58"	
	VOR: STV	Available from N 29° 40' 32.10" W 98° 36' 38.37" to N 29° 40' 38.34" W 98° 36' 16.58"	
3	N 29° 41' 1.27" W 98° 35' 8.78"	N 29° 43' 49.67" W 98° 32' 7.30"	3.9
	VOR: CSI	Available from N 29° 41' 1.27" W 98° 35' 8.78" to N 29° 43' 49.67" W 98° 32' 7.30"	
	VOR: HDO	Available from N 29° 41' 1.27" W 98° 35' 8.78" to N 29° 43' 15.48" W 98° 32' 37.97"	
	VOR: RND	Available from N 29° 41' 1.27" W 98° 35' 8.78" to N 29° 43' 49.67" W 98° 32' 7.30"	
	VOR: SAT	Available from N 29° 41' 1.27" W 98° 35' 8.78" to N 29° 43' 49.67" W 98° 32' 7.30"	
	VOR: SSF	Available from N 29° 41' 1.27" W 98° 35' 8.78" to N 29° 43' 49.67" W 98° 32' 7.30"	
	VOR: STV	Available from N 29° 41' 1.27" W 98° 35' 8.78" to N 29° 43' 49.67" W 98° 32' 7.30"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
4	N 29° 47' 26.97" W 98° 32' 54.00"	N 29° 49' 4.22" W 98° 42' 16.70"	8.9
	VOR: CSI	Available from N 29° 47' 26.97" W 98° 32' 54.00" to N 29° 49' 4.22" W 98° 42' 16.70"	
	VOR: RND	Available from N 29° 47' 26.97" W 98° 32' 54.00" to N 29° 49' 4.22" W 98° 42' 16.70"	
	VOR: SAT	Available from N 29° 47' 26.97" W 98° 32' 54.00" to N 29° 49' 4.22" W 98° 42' 16.70"	
	VOR: SSF	Available from N 29° 47' 26.97" W 98° 32' 54.00" to N 29° 49' 4.22" W 98° 42' 16.70"	
	VOR: STV	Available from N 29° 47' 26.97" W 98° 32' 54.00" to N 29° 49' 4.22" W 98° 42' 16.70"	
	VOR: HDO	Available from N 29° 47' 12.68" W 98° 36' 4.56" to N 29° 49' 4.22" W 98° 42' 16.70"	
5	N 30° 3' 51.17" W 99° 3' 10.40"	N 30° 5' 0.59" W 99° 4' 48.90"	1.8
	VOR: CSI	Available from N 30° 3' 51.17" W 99° 3' 10.40" to N 30° 5' 0.59" W 99° 4' 48.90"	
	VOR: SAT	Available from N 30° 3' 51.17" W 99° 3' 10.40" to N 30° 3' 57.49" W 99° 3' 19.35"	
	VOR: STV	Available from N 30° 3' 51.17" W 99° 3' 10.40" to N 30° 5' 0.59" W 99° 4' 48.90"	
6	N 30° 17' 11.89" W 99° 27' 29.63"	N 30° 19' 58.48" W 99° 41' 10.83"	12.2
	VOR: CSI	Available from N 30° 17' 11.89" W 99° 27' 29.63" to N 30° 19' 58.48" W 99° 41' 10.83"	
	VOR: JCT	Available from N 30° 17' 11.89" W 99° 27' 29.63" to N 30° 19' 58.48" W 99° 41' 10.83"	
	VOR: STV	Available from N 30° 17' 11.89" W 99° 27' 29.63" to N 30° 17' 19.52" W 99° 28' 7.11"	
	VOR: RSG	Available from N 30° 19' 6.88" W 99° 36' 55.77" to N 30° 19' 58.48" W 99° 41' 10.83"	
7	N 30° 22' 15.96" W 99° 52' 33.84"	N 30° 25' 22.49" W 100° 8' 9.13"	13.8
	VOR: JCT	Available from N 30° 22' 15.96" W 99° 52' 33.84" to N 30° 25' 22.49" W 100° 8' 9.13"	
	VOR: RSG	Available from N 30° 22' 15.96" W 99° 52' 33.84" to N 30° 25' 22.49" W 100° 8' 9.13"	
8	N 30° 41' 34.84" W 101° 32' 22.93"	N 30° 47' 8.88" W 102° 2' 34.84"	26.6
9	N 30° 56' 13.66" W 102° 53' 23.84"	N 30° 57' 7.41" W 102° 58' 31.55"	4.5
	VOR: FST	Available from N 30° 56' 13.66" W 102° 53' 23.84" to N 30° 57' 7.41" W 102° 58' 31.55"	

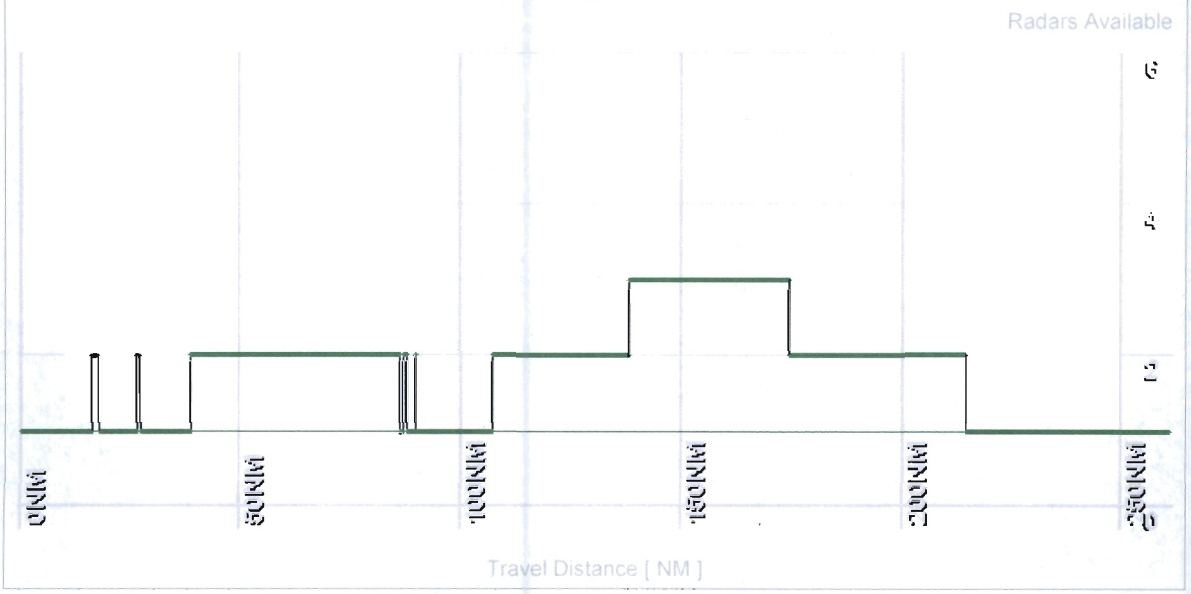
DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	CWK	N 30° 22' 42.78" W 97° 31' 47.45"	H	593.2	112.80	CWK	Used
		ESV: Bearing [True]: 230.0° to 240.0° Bearing [Mag]: 224.0° to 234.0°		Arc Distance: Out to 80.0 NM Altitude: 4500.0 to 6000.0 Ft.			
2	MAF	N 32° 0' 33.64" W 102° 11' 25.40"	L	2860.0	114.80	MAF	Used
		ESV: Bearing [True]: 167.0° to 218.0° Bearing [Mag]: 156.0° to 207.0°		Arc Distance: Out to 85.0 NM Altitude: 8000.0 to 14500.0 Ft.			
3	SJT	N 31° 22' 29.83" W 100° 27' 17.55"	H	1890.0	115.10	SJT	Used
		ESV: Bearing [True]: 170.0° to 245.0° Bearing [Mag]: 160.0° to 235.0°		Arc Distance: Out to 90.0 NM Altitude: 8000.0 to 14500.0 Ft.			
4	JCT	N 30° 35' 52.86" W 99° 49' 2.92"	H	2280.0	116.00	JCT	Used
		ESV: Bearing [True]: 250.0° to 280.0° Bearing [Mag]: 242.0° to 272.0°		Arc Distance: Out to 90.0 NM Altitude: 8000.0 to 14500.0 Ft.			
5	PEQ	N 31° 28' 9.53" W 103° 34' 29.12"	L	2650.0	111.80	PEQ	Used
		ESV: Bearing [True]: 110.0° to 130.0° Bearing [Mag]: 99.0° to 119.0°		Arc Distance: Out to 90.0 NM Altitude: 8000.0 to 14500.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR