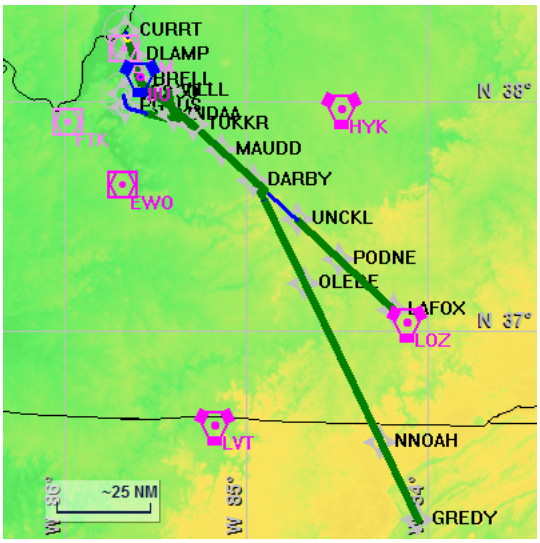


Name:	Dennis Osterhage
Project Name:	KSDF MAUDD4 STAR
Output File:	KSDF MAUDD4 STAR GREDY UPSCO 20160113_1258
Procedure Name:	MAUDD4
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	1/13/2016 1:00:23 PM
Input File:	KSDF MAUDD4 STAR GREDY UPSCO 20160104_0600.txt
Databases:	AIRNAV Date: 1/7/2016
	CIFP Date: 9/18/2015
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

© 1996-2016 Air Traffic Simulation, Inc. All rights reserved. RNAV-Pro, DrawSpace, and the ATSI logo are trademarks of Air Traffic Simulation, Inc. DTED® courtesy U.S. Geological Survey. DTED is a registered trademark of the National Geospatial-Intelligence Agency. Blue Marble imagery in this program produced by NASA and the Earth Observatory (http://earthobservatory.nasa.gov). This product has not been endorsed or otherwise approved by the National Geospatial-Intelligence Agency, United States Department of Defense, or the United States Federal Aviation Administration. Portions of this product sponsored by the United States Federal Aviation Administration. Sectional charts should not be used for actual flight navigation.

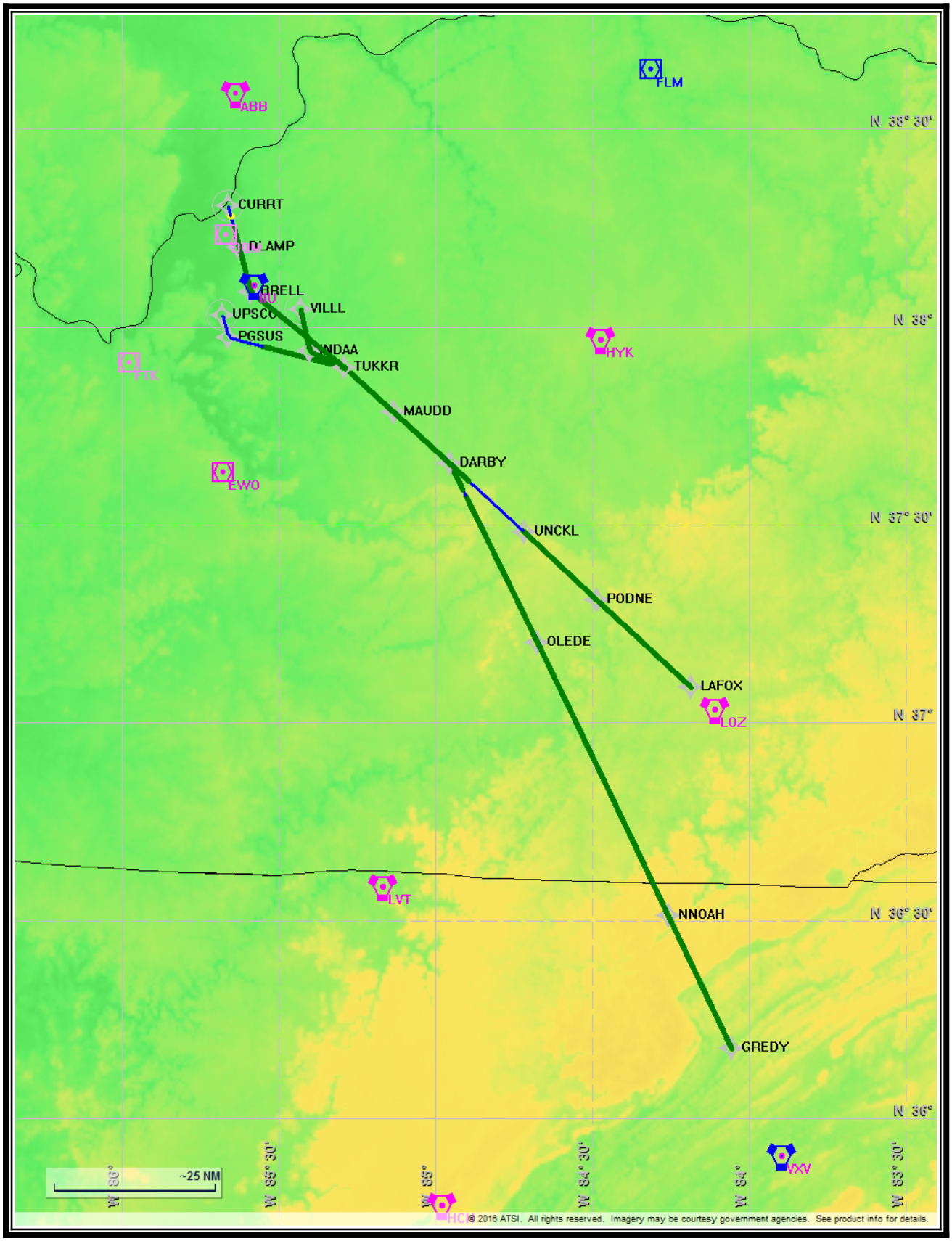


ABB
FLM
N 38° 30'
CURRT
D'AMP
BRELL
IU
VILLL
UPSCO
PGSUS
NDAA
TUKKR
FTK
HYK
N 38°
MAUDD
DARBY
EWO
UNCKL
N 37° 30'
PODNE
OLEDE
LAFOX
LOZ
N 37°
LVT
NNOAH
N 36° 30'
GREDY
N 36°
VXV
~25 NM
W 86°
W 85° 30'
W 85°
W 84° 30'
W 84°
W 83° 30'
HCK
© 2016 ATSI. All rights reserved. Imagery may be courtesy government agencies. See product info for details.

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
GREDY	WP	N 36° 10' 30.98" W 84° 3' 21.09"	10000.0	Step	180.0	Fly By	TF
NNOAH	WP	N 36° 30' 38.43" W 84° 15' 26.77"	10000.0	Step	180.0	Fly By	TF
OLEDE	WP	N 37° 12' 9.00" W 84° 40' 30.00"	10000.0	Step	180.0	Fly By	TF
DARBY	WP	N 37° 39' 15.59" W 84° 57' 12.37"	10000.0	Step	180.0	Fly By	TF
MAUDD	WP	N 37° 47' 4.66" W 85° 7' 59.38"	10000.0	Step	180.0	Fly By	TF
TUKKR	WP	N 37° 53' 48.71" W 85° 17' 19.86"	6000.0	Step	180.0	Fly By	TF
PGSUS	WP	N 37° 58' 23.03" W 85° 39' 30.25"	4000.0	Step	180.0	Fly By	TF
UPSCO	WP	N 38° 1' 45.69" W 85° 40' 39.09"	3000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KSDF **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 ft** **240.0 Kts** up to **18000.0 ft** **260.0 Kts** up to **24000.0 ft** **340.0 Kts** up to **99900.0 ft** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

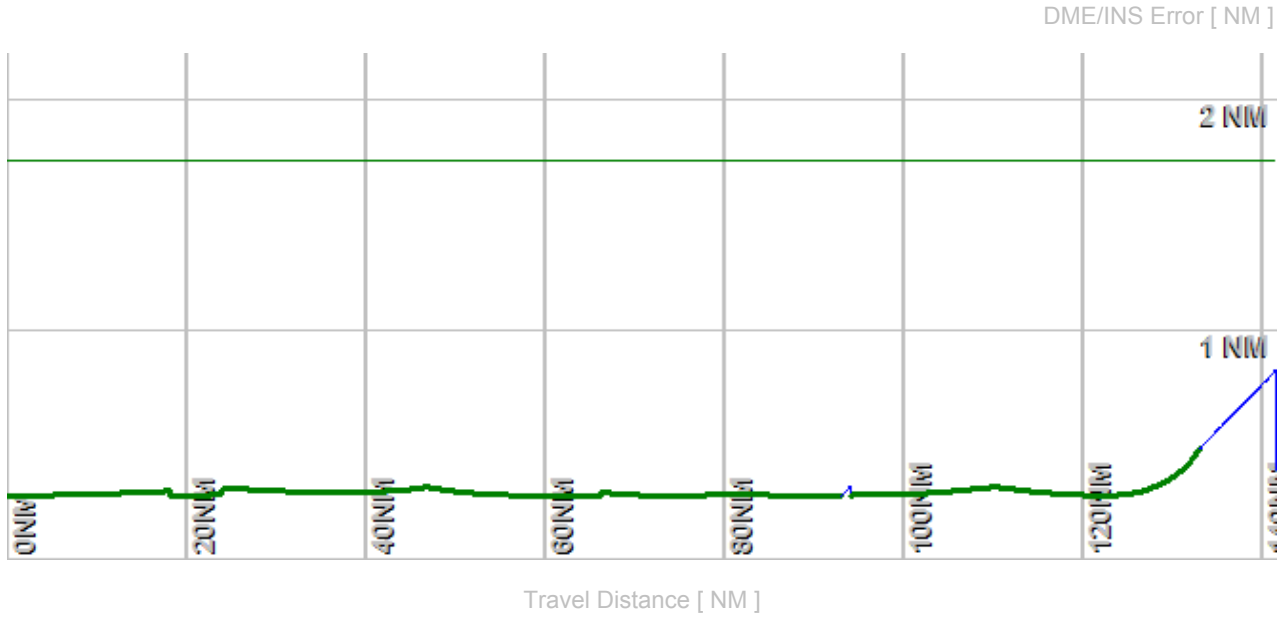
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME, VORTAC, 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: 8

Maximum DME Error: 0.823 NM.

No Critical DMEs were found.

Available DMEs: HCH, VXV, LOZ, LVT, HYK, EWO, IIU, BQM, ABB



DME/DME (Continued)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HCH	N 35° 46' 51.65" W 84° 58' 42.43" 02 W	L + ESV	User	NO	1.282	Enabled	12.8%	12.8%
2	VXV	N 35° 54' 17.42" W 83° 53' 41.02" 03 W	H + ESV	User	NO	1.176	Enabled	12.8%	12.8%
3	LVT	N 36° 35' 4.24" W 85° 9' 59.84" 02 W	L + ESV	User	NO	0.928	Enabled	35.8%	35.8%
4	LOZ	N 37° 1' 59.34" W 84° 6' 36.27" 03 W	L + ESV	User	NO	1.227	Enabled	36.8%	36.8%
5	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	1.121	Enabled	44.6%	44.6%
6	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	1.102	Enabled	20.3%	20.3%
7	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H + ESV	User	NO	1.124	Enabled	20.2%	20.2%
8	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 04 W	T	Database	NO	0.863	Enabled	3.1%	3.1%
	Total Coverage							93.2%	93.2%

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	VXV	HCH	LOZ	LVT	HYK	
22.3	HCH	LOZ	LVT	HYK		
68.4	VXV	EWO	LOZ	LVT	HYK	
98.1	EWO	IIU	LVT	HYK		
110.2	EWO	IIU	HYK			
119.6	EWO	IIU	HYK	BQM		
137.3	EWO	IIU	ABB	BQM		

DME/DME (Continued)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 37° 34' 20.48" W 84° 54' 9.46"	N 37° 35' 14.37" W 84° 54' 42.82"	1.0
	VOR: EWO	Available from N 37° 34' 20.48" W 84° 54' 9.46" to N 37° 35' 14.37" W 84° 54' 42.82"	
	VOR: FFT	Available from N 37° 34' 20.48" W 84° 54' 9.46" to N 37° 35' 14.37" W 84° 54' 42.82"	
	VOR: HYK	Available from N 37° 34' 20.48" W 84° 54' 9.46" to N 37° 35' 14.37" W 84° 54' 42.82"	
2	N 37° 57' 3.77" W 85° 33' 3.24"	N 38° 1' 39.45" W 85° 40' 37.05"	8.5
	VOR: MYS	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	
	VOR: ABB	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	
	VOR: BQM	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	
	VOR: EWO	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	
	VOR: FFT	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	
	VOR: FTK	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	
	VOR: FTK	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	
	VOR: IIU	Available from N 37° 57' 3.77" W 85° 33' 3.24" to N 38° 1' 39.45" W 85° 40' 37.05"	

Available DMEs by Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
GREDY	NNOAH	LOZ, VXV, LVT, HYK, and HCH
NNOAH	OLEDE	LOZ, LVT, HYK, and HCH
OLEDE	DARBY	LOZ, VXV, LVT, HYK, and EWO
DARBY	MAUDD	LVT, IIU, HYK, and EWO
MAUDD	TUKKR	IIU, HYK, and EWO
TUKKR	PGSUS	IIU, HYK, BQM, and EWO
PGSUS	UPSCO	IIU, ABB, BQM, and EWO

User Data

Return To Summary

User Data Files

#	File Name
1	UserDMEs_KSDF DAMEN3 STAR JAYVO CURNL 20151227_1402.udt
2	UserDMEs_KSDF MAUDD4 STAR TUKKR CURRT 20160104_0659.udt

User DMEs

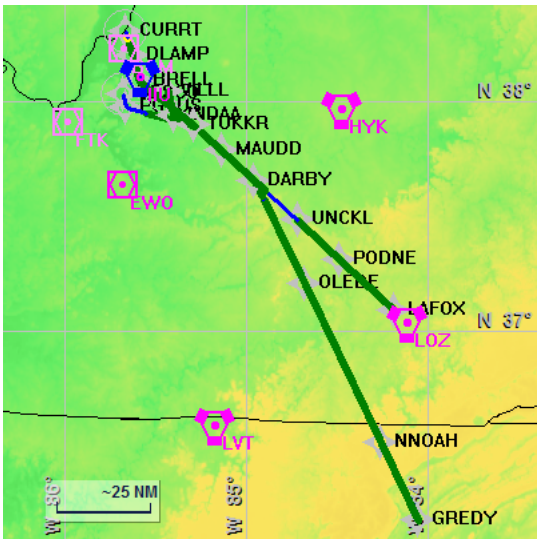
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BWG	N 36° 55' 43.47" W 86° 26' 36.36" 02 E	H	565.0	117.90	BWG	Not Used
	Restriction:	Bearing [True]: 242.0° to 257.0° Bearing [Mag]: 240.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 257.0° to 1.0° Bearing [Mag]: 255.0° to 359.0°			Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.		
	Restriction:	Bearing [True]: 222.0° to 242.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 10.0 NM Altitude: Below 10000.0 Ft.		
	Restriction:	Bearing [True]: 102.0° to 182.0° Bearing [Mag]: 100.0° to 180.0°			Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.		
	Restriction:	Bearing [True]: 42.0° to 102.0° Bearing [Mag]: 40.0° to 100.0°			Distance: Beyond 10.0 NM Altitude: Below 5000.0 Ft.		
	Restriction:	Bearing [True]: 2.0° to 42.0° Bearing [Mag]: 360.0° to 40.0°			Distance: Beyond 10.0 NM Altitude: Below 18000.0 Ft.		
	Restriction:	Bearing [True]: 182.0° to 222.0° Bearing [Mag]: 180.0° to 220.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 55.0° to 110.0° Bearing [Mag]: 53.0° to 108.0°			Arc Distance: Out to 85.0 NM Altitude: 9500.0 to 16000.0 Ft.		
2	HCH	N 35° 46' 51.65" W 84° 58' 42.43" 02 W	L	3040.0	117.60	HCH	Used
	ESV:	Bearing [True]: 30.0° to 86.0° Bearing [Mag]: 32.0° to 88.0°			Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.		
	ESV:	Bearing [True]: 343.0° to 1.0° Bearing [Mag]: 345.0° to 3.0°			Arc Distance: Out to 74.0 NM Altitude: 9500.0 to 24000.0 Ft.		
3	HRS	N 34° 56' 34.82" W 83° 54' 56.45" 00 E	L	3660.0	109.80	HRS	Not Used
	ESV:	Bearing [True]: 349.0° to 4.0° Bearing [Mag]: 349.0° to 4.0°			Arc Distance: Out to 78.0 NM Altitude: 9500.0 to 24000.0 Ft.		
4	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
	ESV:	Bearing [True]: 170.0° to 194.0° Bearing [Mag]: 170.0° to 194.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 24000.0 Ft.		
	ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°			Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 Ft.		
5	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	720.0	114.80	IIU	Used
	ESV:	Bearing [True]: 139.0° to 145.0° Bearing [Mag]: 138.0° to 144.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 16000.0 Ft.		

User Data (Continued)

Return To Summary

User DMEs (Continued)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LVT	N 36° 35' 4.24" W 85° 9' 59.84" 02 W	L	1020.0	108.40	LVT	Used
		ESV:	Bearing [True]: 4.0° to 64.0° Bearing [Mag]: 6.0° to 66.0°		Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°		Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 Ft.		
7	VXV	N 35° 54' 17.42" W 83° 53' 41.02" 03 W	H	1289.6	116.40	VXV	Used
		ESV:	Bearing [True]: 332.0° to 337.0° Bearing [Mag]: 335.0° to 340.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 337.0° to 358.0° Bearing [Mag]: 340.0° to 1.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
8	LOZ	N 37° 1' 59.34" W 84° 6' 36.27" 03 W	L	1245.1	116.10	LOZ	Used
		Restriction:	Bearing [True]: 357.0° to 357.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 28.0 NM Altitude: Below 5000.0 Ft.		
		ESV:	Bearing [True]: 261.0° to 315.0° Bearing [Mag]: 264.0° to 318.0°		Arc Distance: Out to 59.0 NM Altitude: 9500.0 to 24000.0 Ft.		
9	BNA	N 36° 8' 13.06" W 86° 41' 5.18" 02 W	H	565.8	114.10	BNA	Not Used
		Restriction:	Bearing [True]: 60.0° to 67.0° Bearing [Mag]: 62.0° to 69.0°		Distance: Beyond 0.0 NM Altitude: Below 6000.0 Ft.		
		ESV:	Bearing [True]: 54.0° to 70.0° Bearing [Mag]: 56.0° to 72.0°		Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 16000.0 Ft.		



Name:	Dennis Osterhage
Project Name:	KSDF MAUDD4 STAR
Output File:	KSDF MAUDD4 STAR LAFOX VILLL 20160113_1258
Procedure Name:	MAUDD4
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	1/13/2016 1:03:10 PM
Input File:	KSDF MAUDD4 STAR LAFOX VILLL 20160104_0603.txt
Databases:	AIRNAV Date: 1/7/2016
	CIFP Date: 9/18/2015
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

© 1996-2016 Air Traffic Simulation, Inc. All rights reserved. RNAV-Pro, DrawSpace, and the ATSI logo are trademarks of Air Traffic Simulation, Inc. DTED® courtesy U.S. Geological Survey. DTED is a registered trademark of the National Geospatial-Intelligence Agency. Blue Marble imagery in this program produced by NASA and the Earth Observatory (http://earthobservatory.nasa.gov). This product has not been endorsed or otherwise approved by the National Geospatial-Intelligence Agency, United States Department of Defense, or the United States Federal Aviation Administration. Portions of this product sponsored by the United States Federal Aviation Administration. Sectional charts should not be used for actual flight navigation.

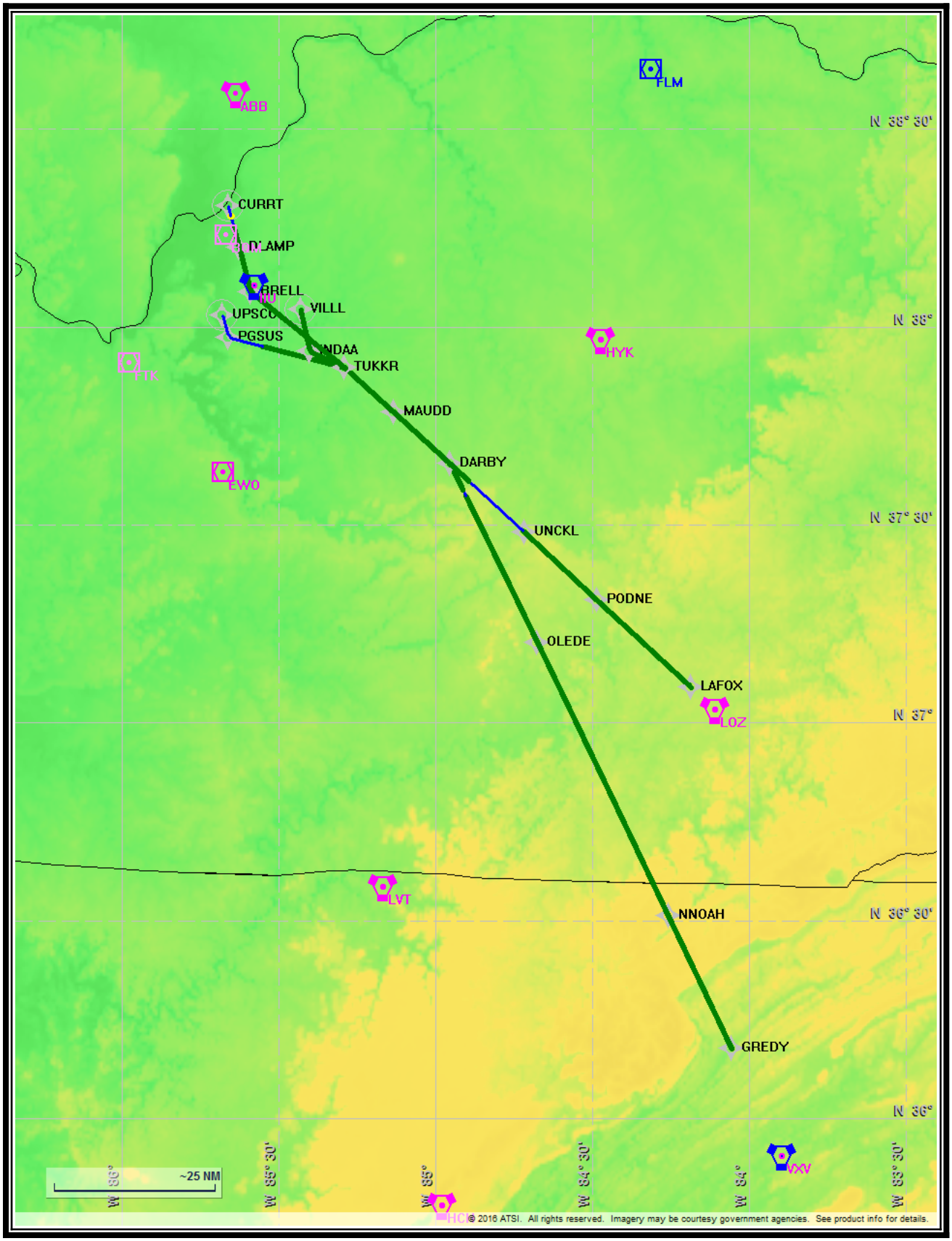


ABB
FLM
N 38° 30'
CURRT
D'AMP
BRELL
IU
VILLL
UPSCO
PGSUS
NDAA
TUKKR
FTK
HYK
N 38°
MAUDD
DARBY
EWO
UNCKL
N 37° 30'
PODNE
OLEDE
LAFOX
LOZ
N 37°
LVT
NNOAH
N 36° 30'
GREDY
N 36°
VXV
~25 NM
W 86°
W 85° 30'
W 85°
W 84° 30'
W 84°
W 83° 30'
HCK
© 2016 ATSI. All rights reserved. Imagery may be courtesy government agencies. See product info for details.

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
LAFOX	WP	N 37° 5' 23.92" W 84° 11' 10.72"	10000.0	Step	180.0	Fly By	TF
PODNE	WP	N 37° 18' 35.00" W 84° 29' 9.00"	10000.0	Step	180.0	Fly By	TF
UNCKL	WP	N 37° 28' 52.88" W 84° 42' 58.79"	10000.0	Step	180.0	Fly By	TF
DARBY	WP	N 37° 39' 15.59" W 84° 57' 12.37"	10000.0	Step	180.0	Fly By	TF
MAUDD	WP	N 37° 47' 4.66" W 85° 7' 59.38"	10000.0	Step	180.0	Fly By	TF
TUKKR	WP	N 37° 53' 48.71" W 85° 17' 19.86"	6000.0	Step	180.0	Fly By	TF
INDAA	WP	N 37° 56' 14.68" W 85° 23' 58.51"	4000.0	Step	180.0	Fly By	TF
VILLL	WP	N 38° 2' 36.83" W 85° 25' 46.75"	3000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KSDF **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 ft** **240.0 Kts** up to **18000.0 ft** **260.0 Kts** up to **24000.0 ft** **340.0 Kts** up to **99900.0 ft** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

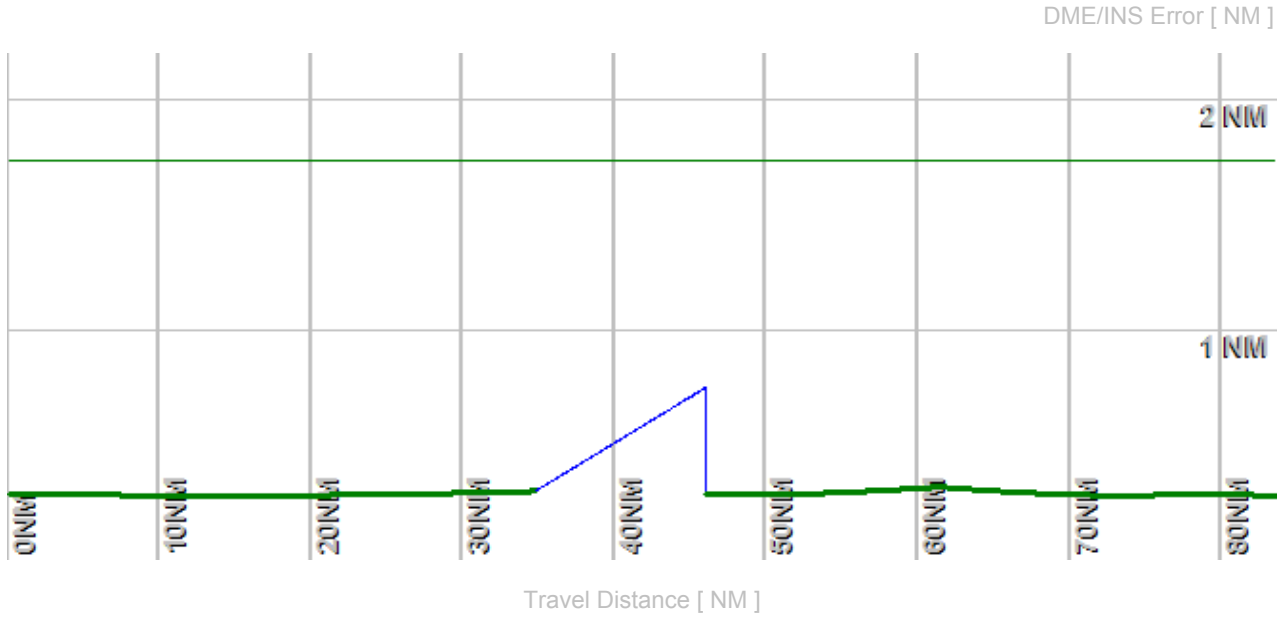
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME, VORTAC, 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: 5

Maximum DME Error: 0.747 NM.

No Critical DMEs were found.

Available DMEs: LVT, VXV, LOZ, HYK, EWO, IIU, BQM, ABB



DME/DME (Continued)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LVT	N 36° 35' 4.24" W 85° 9' 59.84" 02 W	L + ESV	User	NO	1.200	Enabled	47.6%	47.6%
2	LOZ	N 37° 1' 59.34" W 84° 6' 36.27" 03 W	L + ESV	User	NO	1.123	Enabled	41.6%	41.6%
3	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.747	Enabled	12.4%	12.4%
4	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.756	Enabled	32.7%	32.7%
5	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H + ESV	User	NO	1.084	Enabled	38.8%	38.8%
	Total Coverage							86.6%	86.6%

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	LOZ	LVT	VXV	HYK		
19.4	LOZ	LVT	VXV	HYK		
34.5	LOZ	LVT	EWO	HYK		
49.9	IIU	LVT	EWO	HYK		
61.4	IIU	EWO	HYK			
71.0	IIU	EWO	HYK	BQM		
76.4	IIU	EWO	ABB	BQM		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 37° 29' 4.30" W 84° 43' 14.21"	N 37° 36' 37.65" W 84° 53' 35.18"	11.2
VOR: LOZ	Available from N 37° 29' 4.30" W 84° 43' 14.21" to N 37° 29' 8.84" W 84° 43' 20.36"		
VOR: HYK	Available from N 37° 29' 4.30" W 84° 43' 14.21" to N 37° 36' 37.65" W 84° 53' 35.18"		
VOR: FFT	Available from N 37° 31' 26.52" W 84° 46' 28.59" to N 37° 36' 37.65" W 84° 53' 35.18"		
VOR: EWO	Available from N 37° 34' 20.17" W 84° 50' 26.50" to N 37° 36' 37.65" W 84° 53' 35.18"		

Available DMEs by Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
LAFOX	PODNE	LOZ, VXV, LVT, and HYK
PODNE	UNCKL	LOZ, VXV, LVT, and HYK
UNCKL	DARBY	LOZ, LVT, HYK, and EWO
DARBY	MAUDD	LVT, IIU, HYK, and EWO
MAUDD	TUKKR	IIU, HYK, and EWO
TUKKR	INDAA	IIU, HYK, BQM, and EWO
INDAA	VILLL	IIU, ABB, BQM, and EWO

User Data

Return To Summary

User Data Files

#	File Name
1	UserDMEs_KSDF DAMEN3 STAR JAYVO CURNL 20151227_1402.udt
2	UserDMEs_KSDF MAUDD4 STAR TUKKR CURRT 20160104_0659.udt

User DMEs

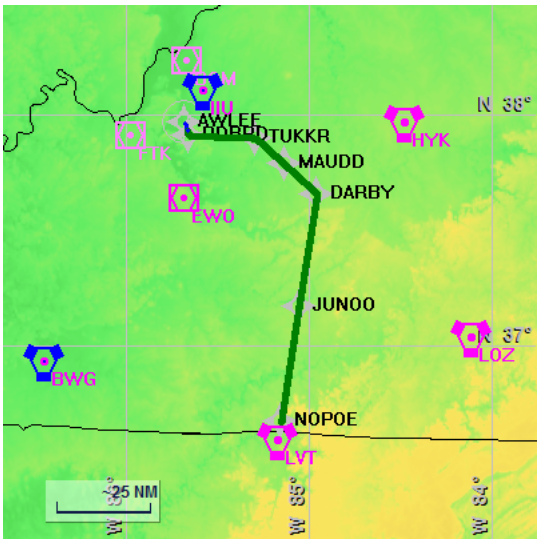
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BWG	N 36° 55' 43.47" W 86° 26' 36.36" 02 E	H	565.0	117.90	BWG	Not Used
	Restriction:	Bearing [True]: 242.0° to 257.0° Bearing [Mag]: 240.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 257.0° to 1.0° Bearing [Mag]: 255.0° to 359.0°			Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.		
	Restriction:	Bearing [True]: 222.0° to 242.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 10.0 NM Altitude: Below 10000.0 Ft.		
	Restriction:	Bearing [True]: 102.0° to 182.0° Bearing [Mag]: 100.0° to 180.0°			Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.		
	Restriction:	Bearing [True]: 42.0° to 102.0° Bearing [Mag]: 40.0° to 100.0°			Distance: Beyond 10.0 NM Altitude: Below 5000.0 Ft.		
	Restriction:	Bearing [True]: 2.0° to 42.0° Bearing [Mag]: 360.0° to 40.0°			Distance: Beyond 10.0 NM Altitude: Below 18000.0 Ft.		
	Restriction:	Bearing [True]: 182.0° to 222.0° Bearing [Mag]: 180.0° to 220.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 55.0° to 110.0° Bearing [Mag]: 53.0° to 108.0°			Arc Distance: Out to 85.0 NM Altitude: 9500.0 to 16000.0 Ft.		
2	HCH	N 35° 46' 51.65" W 84° 58' 42.43" 02 W	L	3040.0	117.60	HCH	Not Used
	ESV:	Bearing [True]: 30.0° to 86.0° Bearing [Mag]: 32.0° to 88.0°			Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.		
	ESV:	Bearing [True]: 343.0° to 1.0° Bearing [Mag]: 345.0° to 3.0°			Arc Distance: Out to 74.0 NM Altitude: 9500.0 to 24000.0 Ft.		
3	HRS	N 34° 56' 34.82" W 83° 54' 56.45" 00 E	L	3660.0	109.80	HRS	Not Used
	ESV:	Bearing [True]: 349.0° to 4.0° Bearing [Mag]: 349.0° to 4.0°			Arc Distance: Out to 78.0 NM Altitude: 9500.0 to 24000.0 Ft.		
4	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
	ESV:	Bearing [True]: 170.0° to 194.0° Bearing [Mag]: 170.0° to 194.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 24000.0 Ft.		
	ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°			Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 Ft.		
5	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	720.0	114.80	IIU	Used
	ESV:	Bearing [True]: 139.0° to 145.0° Bearing [Mag]: 138.0° to 144.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 16000.0 Ft.		

User Data (Continued)

Return To Summary

User DMEs (Continued)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LVT	N 36° 35' 4.24" W 85° 9' 59.84" 02 W	L	1020.0	108.40	LVT	Used
		ESV:	Bearing [True]: 4.0° to 64.0° Bearing [Mag]: 6.0° to 66.0°		Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°		Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 Ft.		
7	VXV	N 35° 54' 17.42" W 83° 53' 41.02" 03 W	H	1289.6	116.40	VXV	Not Used
		ESV:	Bearing [True]: 332.0° to 337.0° Bearing [Mag]: 335.0° to 340.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 337.0° to 358.0° Bearing [Mag]: 340.0° to 1.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
8	LOZ	N 37° 1' 59.34" W 84° 6' 36.27" 03 W	L	1245.1	116.10	LOZ	Used
		Restriction:	Bearing [True]: 357.0° to 357.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 28.0 NM Altitude: Below 5000.0 Ft.		
		ESV:	Bearing [True]: 261.0° to 315.0° Bearing [Mag]: 264.0° to 318.0°		Arc Distance: Out to 59.0 NM Altitude: 9500.0 to 24000.0 Ft.		
9	BNA	N 36° 8' 13.06" W 86° 41' 5.18" 02 W	H	565.8	114.10	BNA	Not Used
		Restriction:	Bearing [True]: 60.0° to 67.0° Bearing [Mag]: 62.0° to 69.0°		Distance: Beyond 0.0 NM Altitude: Below 6000.0 Ft.		
		ESV:	Bearing [True]: 54.0° to 70.0° Bearing [Mag]: 56.0° to 72.0°		Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 16000.0 Ft.		

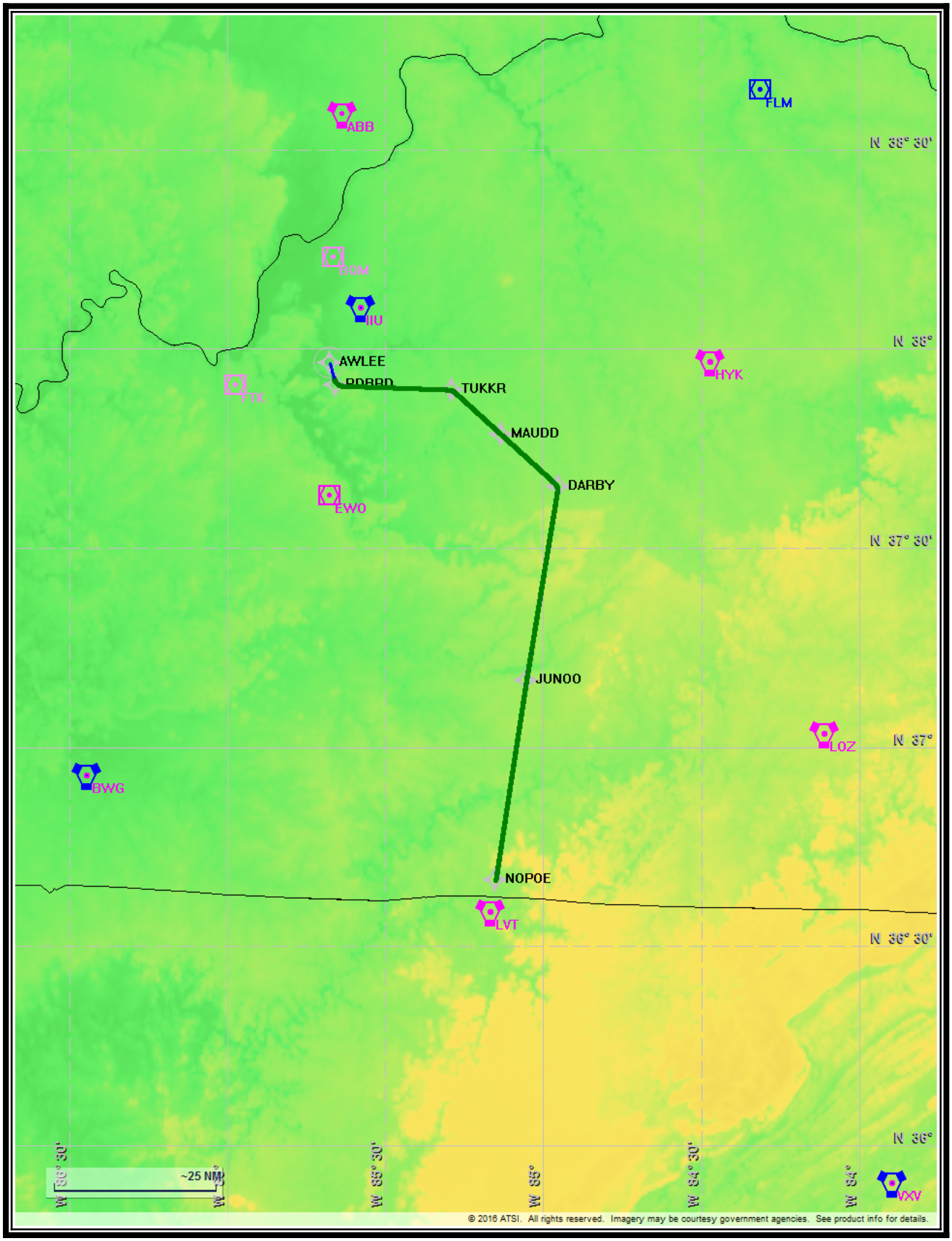


Name:	Dennis Osterhage
Project Name:	KSDF MAUDD4 STAR
Output File:	KSDF MAUDD4 STAR NOPOE AWLEE 20160113_1224
Procedure Name:	MAUDD4
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	1/13/2016 12:27:34 PM
Input File:	KSDF MAUDD4 STAR NOPOE AWLEE 20160104_0547.txt
Databases:	AIRNAV Date: 1/7/2016
	CIFP Date: 9/18/2015
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

© 1996-2016 Air Traffic Simulation, Inc. All rights reserved. RNAV-Pro, DrawSpace, and the ATSI logo are trademarks of Air Traffic Simulation, Inc. DTED® courtesy U.S. Geological Survey. DTED is a registered trademark of the National Geospatial-Intelligence Agency. Blue Marble imagery in this program produced by NASA and the Earth Observatory (http://earthobservatory.nasa.gov). This product has not been endorsed or otherwise approved by the National Geospatial-Intelligence Agency, United States Department of Defense, or the United States Federal Aviation Administration. Portions of this product sponsored by the United States Federal Aviation Administration. Sectional charts should not be used for actual flight navigation.


FLM
ABB
N 38° 30'
BOM
IIU
N 38°
AWLEE
HYK
TK
TUKKR
MAUDD
DARBY
EWO
N 37° 30'
JUNOO
LOZ
N 37°
BWG
NOPOE
LVT
N 36° 30'
N 36°
W 86° 30'
~25 NM
W 86°
W 85° 30'
W 85°
W 84° 30'
W 84°
VXV
© 2016 ATSI. All rights reserved. Imagery may be courtesy government agencies. See product info for details.

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
NOPOE	WP	N 36° 40' 0.93" W 85° 9' 1.49"	10000.0	Step	180.0	Fly By	TF
JUNOO	WP	N 37° 10' 2.00" W 85° 3' 13.00"	10000.0	Step	180.0	Fly By	TF
DARBY	WP	N 37° 39' 15.59" W 84° 57' 12.37"	10000.0	Step	180.0	Fly By	TF
MAUDD	WP	N 37° 47' 4.66" W 85° 7' 59.38"	10000.0	Step	180.0	Fly By	TF
TUKKR	WP	N 37° 53' 48.71" W 85° 17' 19.86"	6000.0	Step	180.0	Fly By	TF
RDBRD	WP	N 37° 54' 26.53" W 85° 39' 24.36"	5000.0	Step	180.0	Fly By	TF
AWLEE	WP	N 37° 57' 51.97" W 85° 40' 31.76"	4000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KSDF **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 ft** **240.0 Kts** up to **18000.0 ft** **260.0 Kts** up to **24000.0 ft** **340.0 Kts** up to **99900.0 ft** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

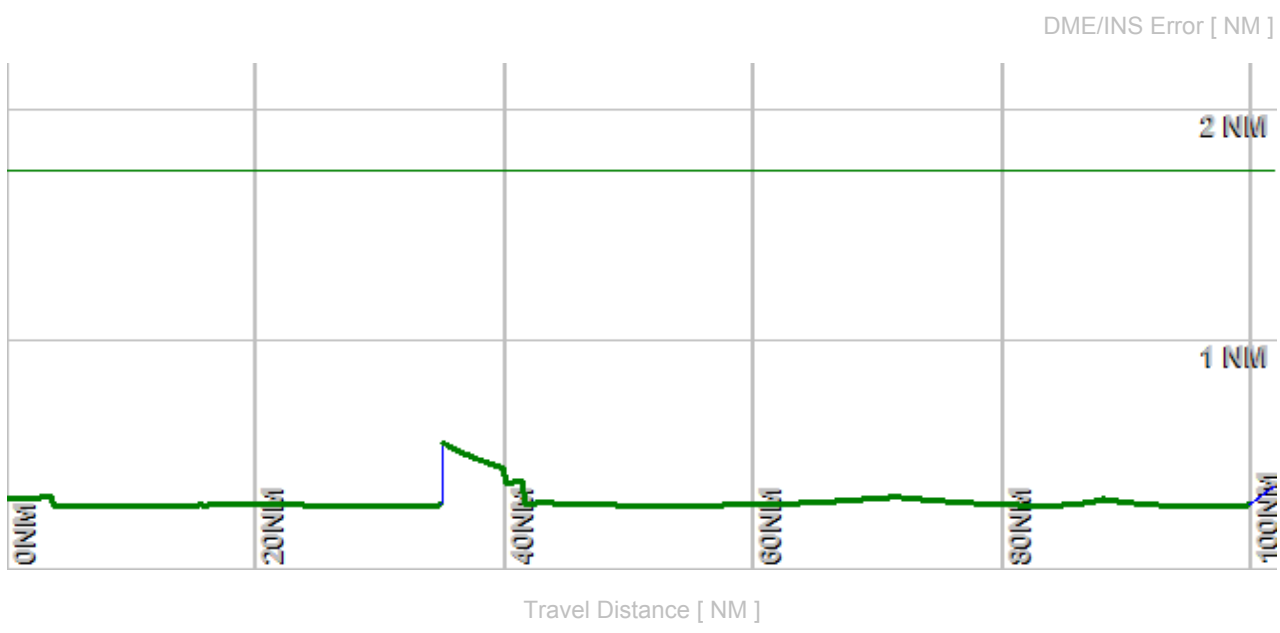
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME, VORTAC, 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
Automatic ESVs: Enabled (Reduce Criticals)

Total Number of DMEs Used: 9

Maximum DME Error: 0.551 NM.

No Critical DMEs were found.

Available DMEs: HCH, LVT, BNA, BWG, LOZ, EWO, HYK, IIU, BQM, ABB



DME/DME (Continued)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HCH	N 35° 46' 51.65" W 84° 58' 42.43" 02 W	L + ESV	User	NO	0.651	Enabled	9.2%	9.2%
2	BNA	N 36° 8' 13.06" W 86° 41' 5.18" 02 W	H + ESV	User	NO	0.702	Enabled	3.5%	3.5%
3	BWG	N 36° 55' 43.47" W 86° 26' 36.36" 02 E	H + ESV	User	NO	0.550	Enabled	18.2%	18.2%
4	LVT	N 36° 35' 4.24" W 85° 9' 59.84" 02 W	L + ESV	User	NO	0.887	Enabled	42.9%	42.9%
5	LOZ	N 37° 1' 59.34" W 84° 6' 36.27" 03 W	L + ESV	User	NO	0.517	Enabled	26.9%	26.9%
6	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.551	Enabled	34.1%	34.1%
7	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.848	Enabled	22.7%	22.7%
8	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H + ESV	User	NO	1.195	Enabled	33.4%	33.4%
9	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 04 W	T	Database	NO	0.551	Enabled	4.2%	4.2%
	Total Coverage							97.5%	97.5%

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	BNA	HCH	LVT	BWG	LOZ	
30.3	HYK	EWO	LVT	BWG	LOZ	
59.0	HYK	EWO	LVT	IIU	LOZ	
71.4	HYK	EWO	IIU			
80.7	HYK	EWO	IIU	BQM		
97.6	HYK	EWO	ABB	IIU	BQM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 37° 14' 25.38" W 85° 2' 19.35"	N 37° 14' 35.26" W 85° 2' 17.32"	0.2
VOR: LVT	Available from N 37° 14' 25.38" W 85° 2' 19.35" to N 37° 14' 35.26" W 85° 2' 17.32"		
VOR: EWO	Available from N 37° 14' 25.38" W 85° 2' 19.35" to N 37° 14' 35.26" W 85° 2' 17.32"		

DME/DME (Continued)

Return To Summary

Inertial Drift Segments (Continued)

#	Start Location	End Location	Length [NM]
2	N 37° 55' 39.79" W 85° 39' 48.90"	N 37° 57' 49.07" W 85° 40' 30.87"	2.2
VOR: MYS	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		
VOR: ABB	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		
VOR: BQM	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		
VOR: EWO	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		
VOR: FFT	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		
VOR: FTK	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		
VOR: FTK	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		
VOR: IIU	Available from N 37° 55' 39.79" W 85° 39' 48.90" to N 37° 57' 49.07" W 85° 40' 30.87"		

Available DMEs by Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
NOPOE	JUNOO	BNA, LOZ, LVT, HCH, and BWG
JUNOO	DARBY	LOZ, LVT, HYK, BWG, and EWO
DARBY	MAUDD	LOZ, LVT, IIU, HYK, and EWO
MAUDD	TUKKR	IIU, HYK, and EWO
TUKKR	RDBRD	IIU, HYK, BQM, and EWO
RDBRD	AWLEE	IIU, HYK, ABB, BQM, and EWO

User Data

Return To Summary

User Data Files

#	File Name
1	UserDMEs_KSDF DAMEN3 STAR JAYVO CURNL 20151227_1402.udt
2	UserDMEs_KSDF MAUDD4 STAR TUKKR CURRT 20160104_0659.udt

User DMEs

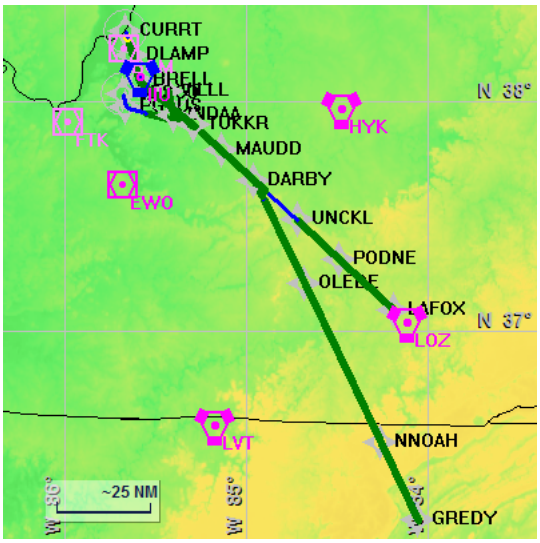
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BWG	N 36° 55' 43.47" W 86° 26' 36.36" 02 E	H	565.0	117.90	BWG	Used
	Restriction:	Bearing [True]: 242.0° to 257.0° Bearing [Mag]: 240.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 257.0° to 1.0° Bearing [Mag]: 255.0° to 359.0°		Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.			
	Restriction:	Bearing [True]: 222.0° to 242.0° Bearing [Mag]: 220.0° to 240.0°		Distance: Beyond 10.0 NM Altitude: Below 10000.0 Ft.			
	Restriction:	Bearing [True]: 102.0° to 182.0° Bearing [Mag]: 100.0° to 180.0°		Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.			
	Restriction:	Bearing [True]: 42.0° to 102.0° Bearing [Mag]: 40.0° to 100.0°		Distance: Beyond 10.0 NM Altitude: Below 5000.0 Ft.			
	Restriction:	Bearing [True]: 2.0° to 42.0° Bearing [Mag]: 360.0° to 40.0°		Distance: Beyond 10.0 NM Altitude: Below 18000.0 Ft.			
	Restriction:	Bearing [True]: 182.0° to 222.0° Bearing [Mag]: 180.0° to 220.0°		Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 55.0° to 110.0° Bearing [Mag]: 53.0° to 108.0°		Arc Distance: Out to 85.0 NM Altitude: 9500.0 to 16000.0 Ft.			
2	HCH	N 35° 46' 51.65" W 84° 58' 42.43" 02 W	L	3040.0	117.60	HCH	Used
	ESV:	Bearing [True]: 30.0° to 86.0° Bearing [Mag]: 32.0° to 88.0°		Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.			
	ESV:	Bearing [True]: 343.0° to 1.0° Bearing [Mag]: 345.0° to 3.0°		Arc Distance: Out to 74.0 NM Altitude: 9500.0 to 24000.0 Ft.			
3	HRS	N 34° 56' 34.82" W 83° 54' 56.45" 00 E	L	3660.0	109.80	HRS	Not Used
	ESV:	Bearing [True]: 349.0° to 4.0° Bearing [Mag]: 349.0° to 4.0°		Arc Distance: Out to 78.0 NM Altitude: 9500.0 to 24000.0 Ft.			
4	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
	ESV:	Bearing [True]: 170.0° to 194.0° Bearing [Mag]: 170.0° to 194.0°		Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 24000.0 Ft.			
	ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 Ft.			
5	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	720.0	114.80	IIU	Used
	ESV:	Bearing [True]: 139.0° to 145.0° Bearing [Mag]: 138.0° to 144.0°		Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 16000.0 Ft.			

User Data (Continued)

Return To Summary

User DMEs (Continued)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LVT	N 36° 35' 4.24" W 85° 9' 59.84" 02 W	L	1020.0	108.40	LVT	Used
		ESV:	Bearing [True]: 4.0° to 64.0° Bearing [Mag]: 6.0° to 66.0°		Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°		Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 Ft.		
7	VXV	N 35° 54' 17.42" W 83° 53' 41.02" 03 W	H	1289.6	116.40	VXV	Not Used
		ESV:	Bearing [True]: 332.0° to 337.0° Bearing [Mag]: 335.0° to 340.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 337.0° to 358.0° Bearing [Mag]: 340.0° to 1.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
8	LOZ	N 37° 1' 59.34" W 84° 6' 36.27" 03 W	L	1245.1	116.10	LOZ	Used
		Restriction:	Bearing [True]: 357.0° to 357.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 28.0 NM Altitude: Below 5000.0 Ft.		
		ESV:	Bearing [True]: 261.0° to 315.0° Bearing [Mag]: 264.0° to 318.0°		Arc Distance: Out to 59.0 NM Altitude: 9500.0 to 24000.0 Ft.		
9	BNA	N 36° 8' 13.06" W 86° 41' 5.18" 02 W	H	565.8	114.10	BNA	Used
		Restriction:	Bearing [True]: 60.0° to 67.0° Bearing [Mag]: 62.0° to 69.0°		Distance: Beyond 0.0 NM Altitude: Below 6000.0 Ft.		
		Auto ESV:	Bearing [True]: 54.0° to 70.0° Bearing [Mag]: 56.0° to 72.0°		Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 16000.0 Ft.		

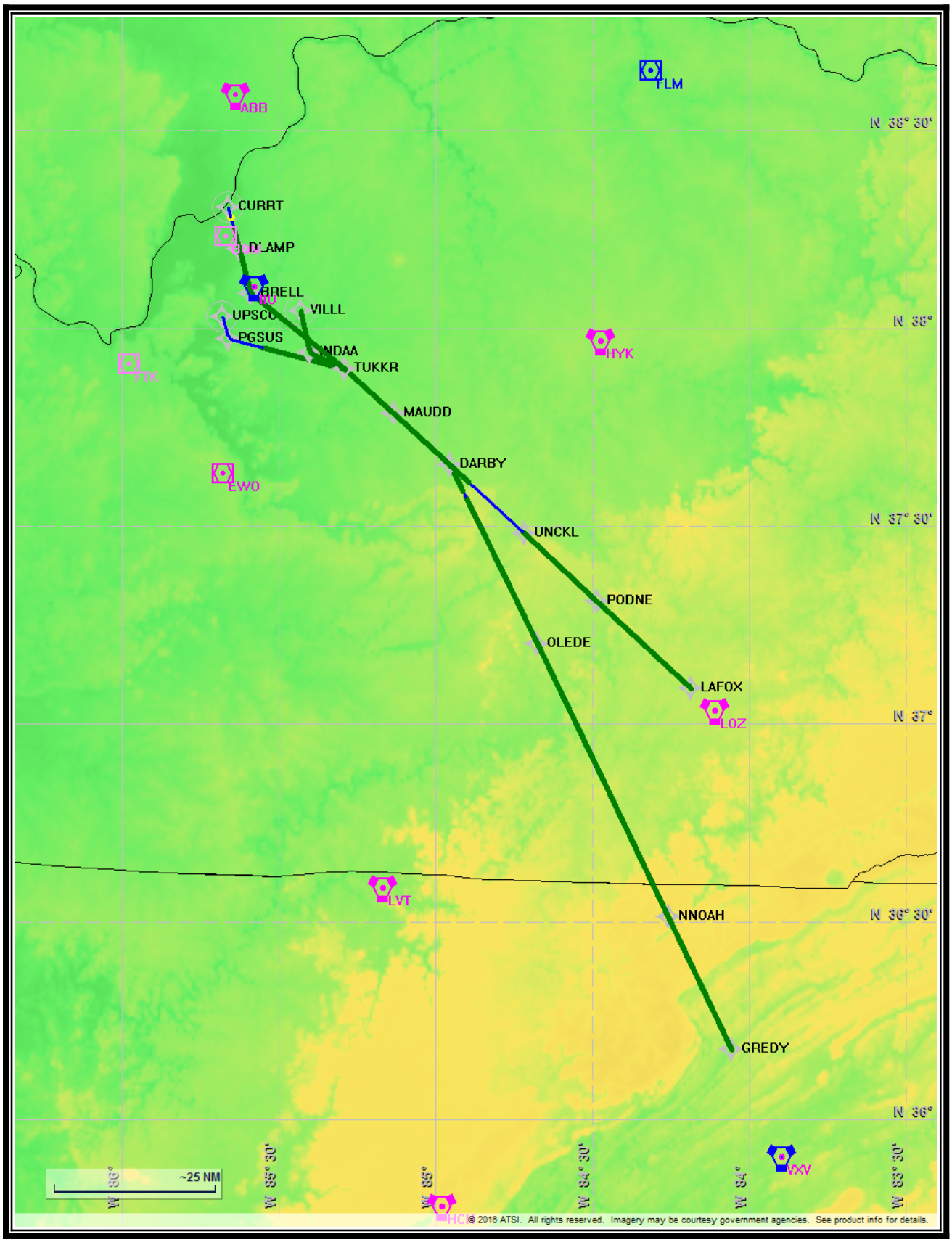


Name:	Dennis Osterhage
Project Name:	KSDF MAUDD4 STAR
Output File:	KSDF MAUDD4 STAR TUKKR CURRT 20160113_1258
Procedure Name:	MAUDD4
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	1/13/2016 1:05:44 PM
Input File:	KSDF MAUDD4 STAR TUKKR CURRT 20160104_0605.txt
Databases:	AIRNAV Date: 1/7/2016
	CIFP Date: 9/18/2015
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

© 1996-2016 Air Traffic Simulation, Inc. All rights reserved. RNAV-Pro, DrawSpace, and the ATSI logo are trademarks of Air Traffic Simulation, Inc. DTED® courtesy U.S. Geological Survey. DTED is a registered trademark of the National Geospatial-Intelligence Agency. Blue Marble imagery in this program produced by NASA and the Earth Observatory (http://earthobservatory.nasa.gov). This product has not been endorsed or otherwise approved by the National Geospatial-Intelligence Agency, United States Department of Defense, or the United States Federal Aviation Administration. Portions of this product sponsored by the United States Federal Aviation Administration. Sectional charts should not be used for actual flight navigation.


FLM
ABB
N 38° 30'
CURRT
D'AMP
BRELL
VILLL
UPSCO
PGSUS
NDAA
TUKKR
N 38°
HYK
FTK
MAUDD
DARBY
EWO
UNCKL
N 37° 30'
PODNE
OLEDE
LAFOX
LOZ
N 37°
LVT
NNOAH
N 36° 30'
GREDY
N 36°
VXV
~25 NM
W 86°
W 85° 30'
W 85°
W 84° 30'
W 84°
W 83° 30'
HCK
© 2016 ATSI. All rights reserved. Imagery may be courtesy government agencies. See product info for details.

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
TUKKR	WP	N 37° 53' 48.71" W 85° 17' 19.86"	6000.0	Step	180.0	Fly By	TF
BRELL	WP	N 38° 5' 14.95" W 85° 35' 15.79"	6000.0	Step	180.0	Fly By	TF
DLAMP	WP	N 38° 12' 1.95" W 85° 37' 29.40"	6000.0	Step	180.0	Fly By	TF
CURRT	WP	N 38° 18' 18.96" W 85° 39' 38.03"	5000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KSDF **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 ft** **240.0 Kts** up to **18000.0 ft** **260.0 Kts** up to **24000.0 ft** **340.0 Kts** up to **99900.0 ft** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

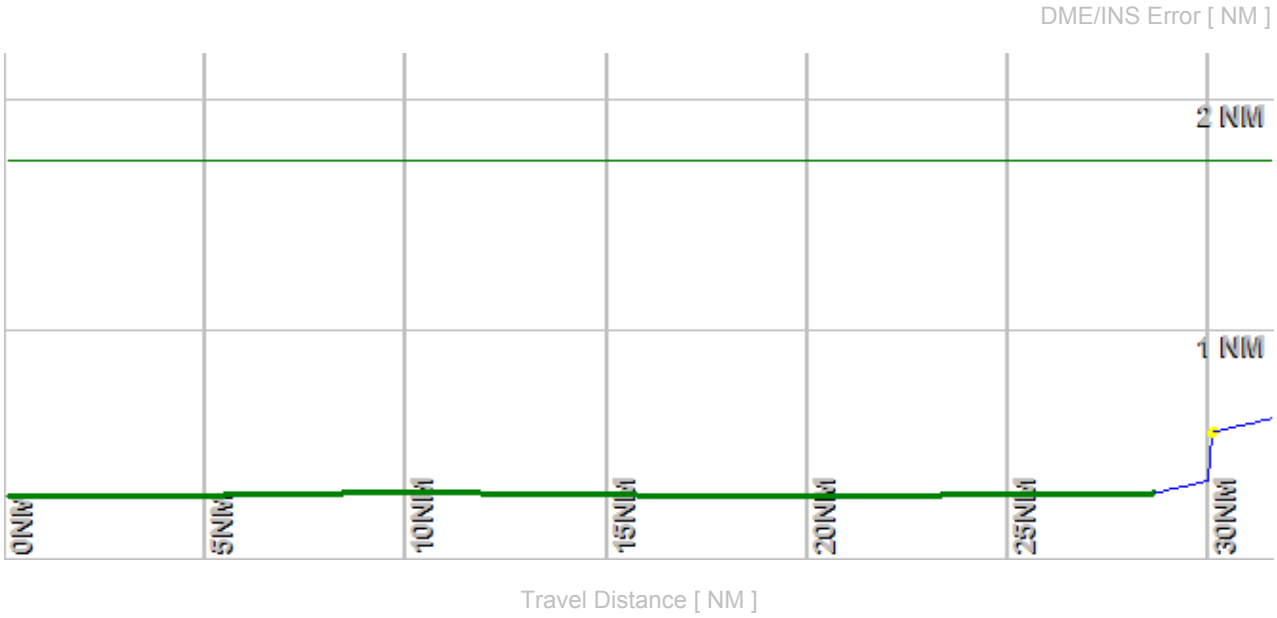
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME, VORTAC, 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: 5

Maximum DME Error: 0.615 NM.

No Critical DMEs were found.

Available DMEs: HYK, IIU, EWO, BQM, ABB



DME/DME (Continued)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H + ESV	User	NO	0.574	Enabled	27.4%	27.4%
2	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.615	Enabled	77.3%	77.3%
3	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.655	Enabled	63.3%	63.3%
4	ABB	N 38° 35' 19.82" W 85° 38' 9.57" 01 E	L	Database	NO	0.408	Enabled	13.2%	13.2%
5	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 04 W	T	Database	NO	0.408	Enabled	0.2%	0.2%
	Total Coverage							90.7%	90.7%

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	IIU	EWO	HYK	BQM	ABB	
17.6	IIU	EWO	HYK	BQM	ABB	
25.1	IIU	EWO	HYK	BQM	ABB	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 15' 25.03" W 85° 38' 38.55"	N 38° 16' 42.36" W 85° 39' 4.98"	1.3

VOR: MYS	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"
VOR: ABB	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"
VOR: BQM	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"
VOR: EWO	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"
VOR: FFT	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"
VOR: FTK	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"
VOR: FTK	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"
VOR: IIU	Available from N 38° 15' 25.03" W 85° 38' 38.55" to N 38° 16' 42.36" W 85° 39' 4.98"

DME/DME (Continued)

Return To Summary

Inertial Drift Segments (Continued)

#	Start Location	End Location	Length [NM]
2	N 38° 16' 48.80" W 85° 39' 7.18"	N 38° 18' 15.79" W 85° 39' 36.94"	1.5
VOR: MYS	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 18' 15.79" W 85° 39' 36.94"		
VOR: ABB	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 18' 15.79" W 85° 39' 36.94"		
VOR: BQM	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 18' 15.79" W 85° 39' 36.94"		
VOR: EWO	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 17' 56.46" W 85° 39' 30.32"		
VOR: FFT	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 18' 15.79" W 85° 39' 36.94"		
VOR: FTK	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 18' 15.79" W 85° 39' 36.94"		
VOR: FTK	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 18' 15.79" W 85° 39' 36.94"		
VOR: IIU	Available from N 38° 16' 48.80" W 85° 39' 7.18" to N 38° 18' 15.79" W 85° 39' 36.94"		

Available DMEs by Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
TUKKR	BRELL	IIU, HYK, ABB, BQM, and EWO
BRELL	DLAMP	IIU, HYK, ABB, BQM, and EWO
DLAMP	CURRT	IIU, HYK, ABB, BQM, and EWO

User Data

Return To Summary

User Data Files

#	File Name
1	UserDMEs_KSDF DAMEN3 STAR JAYVO CURNL 20151227_1402.udt
2	UserDMEs_KSDF MAUDD4 STAR TUKKR CURRT 20160104_0659.udt

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BWG	N 36° 55' 43.47" W 86° 26' 36.36" 02 E	H	565.0	117.90	BWG	Not Used
	Restriction:	Bearing [True]: 242.0° to 257.0° Bearing [Mag]: 240.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 257.0° to 1.0° Bearing [Mag]: 255.0° to 359.0°			Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.		
	Restriction:	Bearing [True]: 222.0° to 242.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 10.0 NM Altitude: Below 10000.0 Ft.		
	Restriction:	Bearing [True]: 102.0° to 182.0° Bearing [Mag]: 100.0° to 180.0°			Distance: Beyond 10.0 NM Altitude: Below 11000.0 Ft.		
	Restriction:	Bearing [True]: 42.0° to 102.0° Bearing [Mag]: 40.0° to 100.0°			Distance: Beyond 10.0 NM Altitude: Below 5000.0 Ft.		
	Restriction:	Bearing [True]: 2.0° to 42.0° Bearing [Mag]: 360.0° to 40.0°			Distance: Beyond 10.0 NM Altitude: Below 18000.0 Ft.		
	Restriction:	Bearing [True]: 182.0° to 222.0° Bearing [Mag]: 180.0° to 220.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 55.0° to 110.0° Bearing [Mag]: 53.0° to 108.0°			Arc Distance: Out to 85.0 NM Altitude: 9500.0 to 16000.0 Ft.		
2	HCH	N 35° 46' 51.65" W 84° 58' 42.43" 02 W	L	3040.0	117.60	HCH	Not Used
	ESV:	Bearing [True]: 30.0° to 86.0° Bearing [Mag]: 32.0° to 88.0°			Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.		
	ESV:	Bearing [True]: 343.0° to 1.0° Bearing [Mag]: 345.0° to 3.0°			Arc Distance: Out to 74.0 NM Altitude: 9500.0 to 24000.0 Ft.		
3	HRS	N 34° 56' 34.82" W 83° 54' 56.45" 00 E	L	3660.0	109.80	HRS	Not Used
	ESV:	Bearing [True]: 349.0° to 4.0° Bearing [Mag]: 349.0° to 4.0°			Arc Distance: Out to 78.0 NM Altitude: 9500.0 to 24000.0 Ft.		
4	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
	ESV:	Bearing [True]: 170.0° to 194.0° Bearing [Mag]: 170.0° to 194.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 24000.0 Ft.		
	ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°			Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 Ft.		
5	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	720.0	114.80	IIU	Used
	ESV:	Bearing [True]: 139.0° to 145.0° Bearing [Mag]: 138.0° to 144.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 16000.0 Ft.		

User Data (Continued)

Return To Summary

User DMEs (Continued)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LVT	N 36° 35' 4.24" W 85° 9' 59.84" 02 W	L	1020.0	108.40	LVT	Not Used
		ESV:	Bearing [True]: 4.0° to 64.0° Bearing [Mag]: 6.0° to 66.0°		Arc Distance: Out to 70.0 NM Altitude: 9500.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°		Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 Ft.		
7	VXV	N 35° 54' 17.42" W 83° 53' 41.02" 03 W	H	1289.6	116.40	VXV	Not Used
		ESV:	Bearing [True]: 332.0° to 337.0° Bearing [Mag]: 335.0° to 340.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 337.0° to 358.0° Bearing [Mag]: 340.0° to 1.0°		Arc Distance: Out to 99.0 NM Altitude: 9800.0 to 18000.0 Ft.		
8	LOZ	N 37° 1' 59.34" W 84° 6' 36.27" 03 W	L	1245.1	116.10	LOZ	Not Used
		Restriction:	Bearing [True]: 357.0° to 357.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 28.0 NM Altitude: Below 5000.0 Ft.		
		ESV:	Bearing [True]: 261.0° to 315.0° Bearing [Mag]: 264.0° to 318.0°		Arc Distance: Out to 59.0 NM Altitude: 9500.0 to 24000.0 Ft.		
9	BNA	N 36° 8' 13.06" W 86° 41' 5.18" 02 W	H	565.8	114.10	BNA	Not Used
		Restriction:	Bearing [True]: 60.0° to 67.0° Bearing [Mag]: 62.0° to 69.0°		Distance: Beyond 0.0 NM Altitude: Below 6000.0 Ft.		
		ESV:	Bearing [True]: 54.0° to 70.0° Bearing [Mag]: 56.0° to 72.0°		Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 16000.0 Ft.		