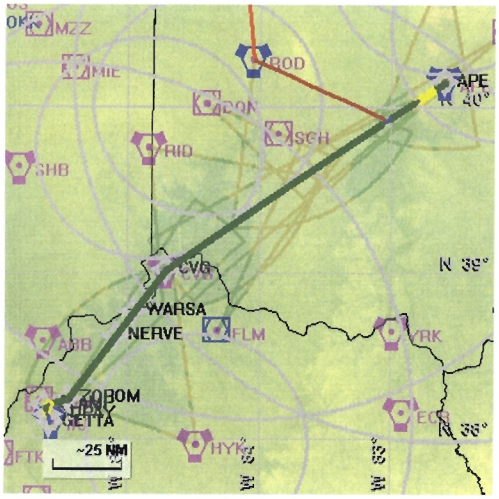

Name:	Dennis Osterhage
Project Name:	KSDF DLAMP STAR APE GETTA 20111216
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/16/2011 11:37:24 AM
Input File:	KSDF DLAMP STAR APE ...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓
DME/DME	✓
Radars	
Comms	
TERPS	

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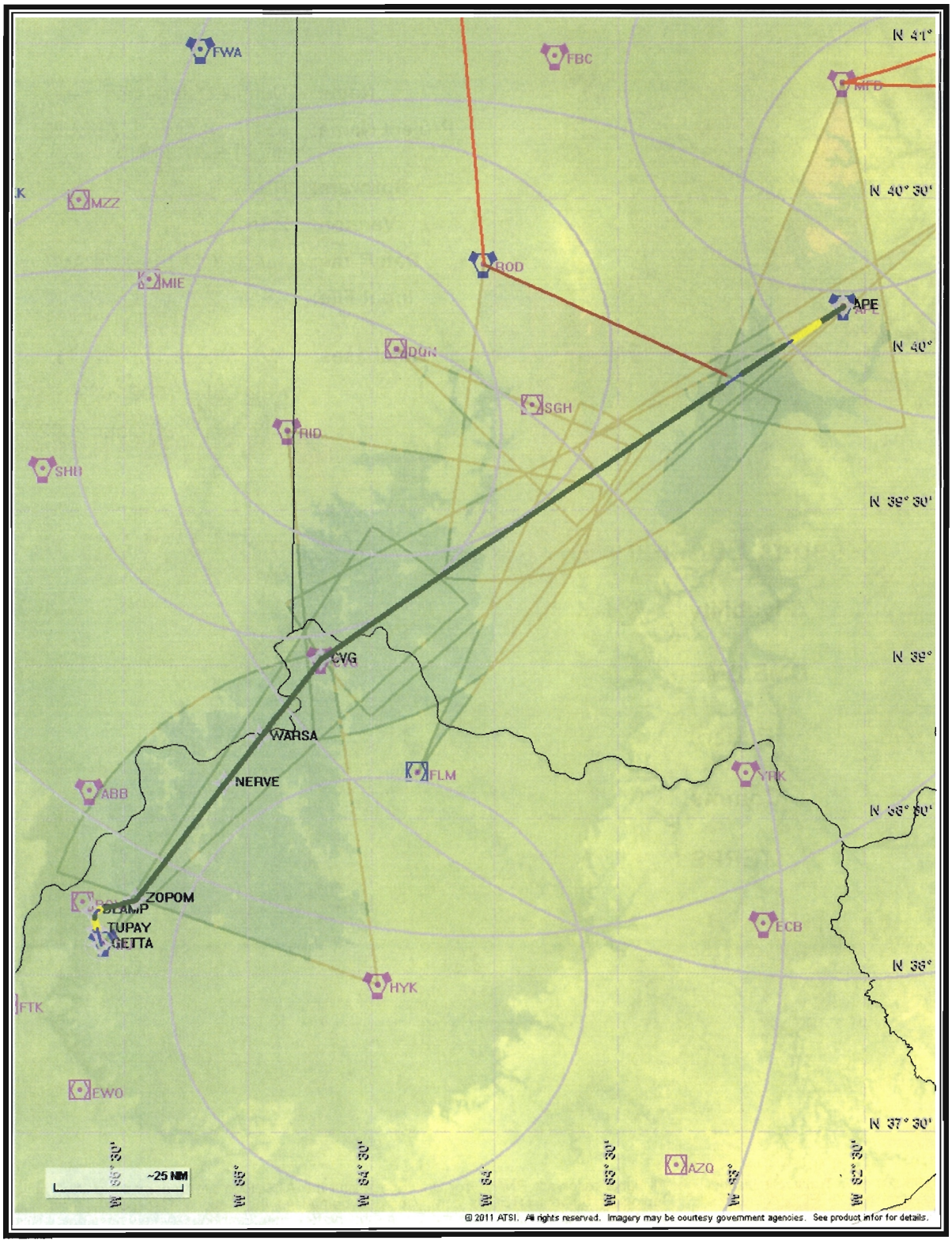
FWA
FBC
MFD
MZZ
ROD
MIE
APE
DQN
SGH
RID
SHB
CVG
WARSA
NERVE
FLM
ABB
ZOPOM
DLAMP
TUPAY
GETTA
HYK
ECB
EWO
AZQ
~25 NM
N 41°
N 40° 30'
N 40°
N 39° 30'
N 39°
N 38° 30'
N 38°
N 37° 30'
W 85° 30'
W 85°
W 84° 30'
W 84°
W 83° 30'
W 83°
W 82° 30'
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
APE	WP	N 40° 9' 3.82" W 82° 35' 17.88"	18000.0	Step	210.0	Fly By	TF
CVG	WP	N 39° 0' 57.53" W 84° 42' 12.05"	15000.0	Step	180.0	Fly By	TF
WARSA	WP	N 38° 45' 47.93" W 84° 56' 53.65"	10000.0	Step	180.0	Fly By	TF
NERVE	WP	N 38° 36' 56.26" W 85° 5' 25.24"	6000.0	Step	180.0	Fly By	TF
ZOPOM	WP	N 38° 14' 13.94" W 85° 27' 3.87"	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
TUPAY	WP	N 38° 8' 28.91" W 85° 36' 19.41"	4000.0	Step	180.0	Fly By	TF
GETTA	WP	N 38° 5' 34.87" W 85° 35' 20.40"	4000.0	Step	180.0	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 **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 , 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: 16

Maximum DME Error: 0.625 NM.

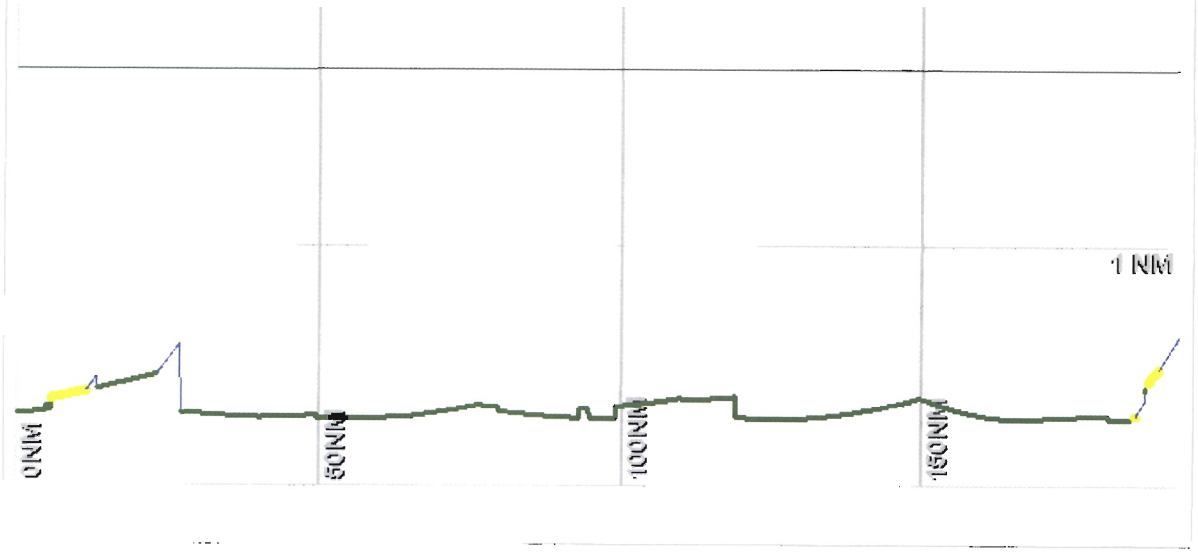
No Critical DMEs were found.

Available DMEs: MFD, TVT, AIR, DJB, HNN, ZZV, APE, ROD, FLM, DQN, RID, CVG, IIU, ABB, BQM, EWO

Foreign DMEs within range: YQG, YQO, YWT, YXU

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	MFD	N 40° 52' 6.98" W 82° 35' 27.47"	L + ESV	User	NO	1.028	Enabled	10.1 %	10.7 %
2	AIR	N 40° 1' 1.29" W 80° 49' 2.02"	H	Database	NO	0.625	Enabled	2.3 %	2.5 %
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09"	H	Database	NO	0.625	Enabled	0.0 %	0.0 %
4	ZZV	N 39° 56' 27.10" W 81° 53' 33.36"	L	Database	NO	0.625	Enabled	0.0 %	0.0 %
5	TVT	N 40° 27' 28.93" W 82° 7' 36.65"	L + ESV	User	NO	0.625	Enabled	11.0 %	11.8 %
6	HNN	N 38° 45' 14.85" W 82° 1' 34.20"	H	Database	NO	0.625	Enabled	0.4 %	0.4 %
7	APE	N 40° 9' 3.82" W 82° 35' 17.88"	H + ESV	User	NO	0.948	Enabled	28.9 %	30.9 %
8	ROD	N 40° 17' 16.08" W 84° 2' 35.28"	H + ESV	User	NO	1.544	Enabled	19.1 %	20.4 %
9	DQN	N 40° 0' 59.19" W 84° 23' 48.83"	L + ESV	User	NO	0.625	Enabled	4.8 %	5.1 %
10	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H + ESV	User	NO	0.958	Enabled	25.2 %	24.6 %
11	RID	N 39° 45' 18.08" W 84° 50' 19.85"	L + ESV	User	NO	0.627	Enabled	16.3 %	17.4 %
12	CVG	N 39° 0' 57.53" W 84° 42' 12.05"	L	Database	NO	0.673	Enabled	20.7 %	20.2 %
13	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H + ESV	User	NO	0.641	Enabled	18.7 %	17.3 %
14	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	1.259	Enabled	18.2 %	16.2 %
15	BQM	N 38° 13' 48.79" W 85° 39' 53.08"	T	Database	NO	0.896	Enabled	9.2 %	8.1 %
16	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.740	Enabled	4.0 %	3.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	MFD	APE	TVT	HNN	AIR	DJB
23.2	ROD	APE	TVT			
52.5	ROD	APE	FLM	DQN	RID	TVT
65.5	ROD	APE	RID	CVG		
87.0	IIU	APE	RID	CVG	FLM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
118.7	IIU	APE	ABB	CVG	FLM	RID
138.4	IIU	FLM	ABB	CVG		
149.4	IIU	FLM	ABB	CVG	BQM	
177.2	IIU	BQM	ABB	EWO		
184.8	IIU	BQM	ABB	EWO		
189.3	EWO	BQM	ABB			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 2' 36.00" W 82° 47' 43.32"	N 40° 1' 41.99" W 82° 49' 26.68"	1.6
	VOR: APE	Available from N 40° 2' 36.00" W 82° 47' 43.32" to N 40° 1' 41.99" W 82° 49' 26.68"	
	VOR: BUD	Available from N 40° 2' 36.00" W 82° 47' 43.32" to N 40° 1' 41.99" W 82° 49' 26.68"	
	VOR: TVT	Available from N 40° 2' 36.00" W 82° 47' 43.32" to N 40° 2' 20.25" W 82° 48' 13.47"	
	VOR: XUB	Available from N 40° 2' 36.00" W 82° 47' 43.32" to N 40° 1' 41.99" W 82° 49' 26.68"	
2	N 39° 56' 1.51" W 83° 0' 16.08"	N 39° 53' 55.00" W 83° 4' 16.41"	3.7
	VOR: APE	Available from N 39° 56' 1.51" W 83° 0' 16.08" to N 39° 53' 55.00" W 83° 4' 16.41"	
	VOR: SGH	Available from N 39° 56' 1.51" W 83° 0' 16.08" to N 39° 53' 55.00" W 83° 4' 16.41"	
	VOR: XUB	Available from N 39° 56' 1.51" W 83° 0' 16.08" to N 39° 53' 55.00" W 83° 4' 16.41"	
3	N 38° 58' 31.23" W 84° 44' 34.93"	N 38° 58' 31.23" W 84° 44' 34.93"	0.0
	VOR: CVG	Available from N 38° 58' 31.23" W 84° 44' 34.93" to N 38° 58' 31.23" W 84° 44' 34.93"	
	VOR: FLM	Available from N 38° 58' 31.23" W 84° 44' 34.93" to N 38° 58' 31.23" W 84° 44' 34.93"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

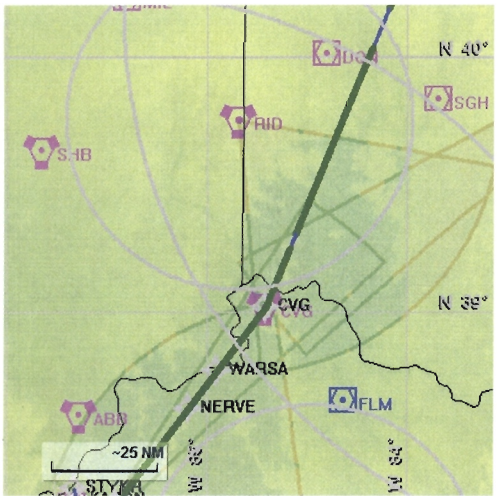
#	Start Location	End Location	Length [NM]
4	N 38° 12' 20.51" W 85° 35' 58.21"	N 38° 11' 16.27" W 85° 37' 4.82"	1.4
	VOR: ABB	Available from N 38° 12' 20.51" W 85° 35' 58.21" to N 38° 11' 16.27" W 85° 37' 4.82"	
	VOR: BQM	Available from N 38° 12' 20.51" W 85° 35' 58.21" to N 38° 11' 16.27" W 85° 37' 4.82"	
	VOR: EWO	Available from N 38° 12' 20.51" W 85° 35' 58.21" to N 38° 11' 16.27" W 85° 37' 4.82"	
	VOR: FFT	Available from N 38° 12' 20.51" W 85° 35' 58.21" to N 38° 11' 16.27" W 85° 37' 4.82"	
	VOR: FTK	Available from N 38° 12' 20.51" W 85° 35' 58.21" to N 38° 11' 16.27" W 85° 37' 4.82"	
	VOR: IIU	Available from N 38° 12' 20.51" W 85° 35' 58.21" to N 38° 11' 16.27" W 85° 37' 4.82"	
	VOR: MYS	Available from N 38° 12' 20.51" W 85° 35' 58.21" to N 38° 11' 16.27" W 85° 37' 4.82"	
5	N 38° 8' 50.10" W 85° 36' 26.58"	N 38° 5' 36.70" W 85° 35' 21.01"	3.3
	VOR: ABB	Available from N 38° 8' 50.10" W 85° 36' 26.58" to N 38° 5' 36.70" W 85° 35' 21.01"	
	VOR: BQM	Available from N 38° 8' 50.10" W 85° 36' 26.58" to N 38° 5' 36.70" W 85° 35' 21.01"	
	VOR: EWO	Available from N 38° 8' 50.10" W 85° 36' 26.58" to N 38° 5' 36.70" W 85° 35' 21.01"	
	VOR: FFT	Available from N 38° 8' 50.10" W 85° 36' 26.58" to N 38° 5' 36.70" W 85° 35' 21.01"	
	VOR: FTK	Available from N 38° 8' 50.10" W 85° 36' 26.58" to N 38° 5' 36.70" W 85° 35' 21.01"	
	VOR: IIU	Available from N 38° 8' 50.10" W 85° 36' 26.58" to N 38° 5' 36.70" W 85° 35' 21.01"	
	VOR: MYS	Available from N 38° 8' 50.10" W 85° 36' 26.58" to N 38° 5' 36.70" W 85° 35' 21.01"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	APE	N 40° 9' 3.82" W 82° 35' 17.88"	H	1350.0	116.70	APE	Used
		ESV: Bearing [True]: 229.0° to 242.0° Bearing [Mag]: 235.0° to 248.0°			Arc Distance: Out to 119.0 NM Altitude: 12000.0 to 24000.0 Ft.		
2	DQN	N 40° 0' 59.19" W 84° 23' 48.83"	L	990.0	114.50	DQN	Used
		ESV: Bearing [True]: 113.0° to 135.0° Bearing [Mag]: 114.0° to 136.0°			Arc Distance: Out to 48.0 NM Altitude: 12000.0 to 24000.0 Ft.		
3	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	810.0	117.00	FLM	Used
		ESV: Bearing [True]: 23.0° to 34.0° Bearing [Mag]: 27.0° to 38.0°			Arc Distance: Out to 78.0 NM Altitude: 12000.0 to 16000.0 Ft.		
4	HYK	N 37° 57' 58.94" W 84° 28' 20.98"	L	1038.8	112.60	HYK	Not Used
		ESV: Bearing [True]: 290.0° to 352.0° Bearing [Mag]: 290.0° to 352.0°			Arc Distance: Out to 65.0 NM Altitude: 4500.0 to 2300.0 Ft.		
5	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	720.0	114.80	IIU	Used
		ESV: Bearing [True]: 32.0° to 46.0° Bearing [Mag]: 31.0° to 45.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 16000.0 Ft.		
6	MFD	N 40° 52' 6.98" W 82° 35' 27.47"	L	1210.0	108.80	MFD	Used
		Restriction: Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 170.0° to 202.0° Bearing [Mag]: 173.0° to 205.0°			Arc Distance: Out to 67.0 NM Altitude: 14000.0 to 24000.0 Ft.		
7	RID	N 39° 45' 18.08" W 84° 50' 19.85"	L	1135.0	110.60	RID	Used
		ESV: Bearing [True]: 100.0° to 175.0° Bearing [Mag]: 103.0° to 178.0°			Arc Distance: Out to 60.0 NM Altitude: 9500.0 to 24000.0 Ft.		
8	ROD	N 40° 17' 16.08" W 84° 2' 35.28"	H	1083.0	117.50	ROD	Used
		Restriction: Bearing [True]: 355.0° to 115.0° Bearing [Mag]: 0.0° to 120.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 115.0° to 187.0° Bearing [Mag]: 120.0° to 192.0°			Arc Distance: Out to 61.0 NM Altitude: 12500.0 to 16000.0 Ft.		
9	TVT	N 40° 27' 28.93" W 82° 7' 36.65"	L	1340.0	116.50	TVT	Used
		ESV: Bearing [True]: 228.0° to 238.0° Bearing [Mag]: 231.0° to 241.0°			Arc Distance: Out to 84.0 NM Altitude: 12000.0 to 24000.0 Ft.		



Name:	Dennis Osterhage
Project Name:	KSDF DLAMP STAR ROD STYKR 20111216
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/16/2011 11:54:44 AM
Input File:	KSDF DLAMP STAR ROD ...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓
DME/DME	✓
Radars	
Comms	
TERPS	

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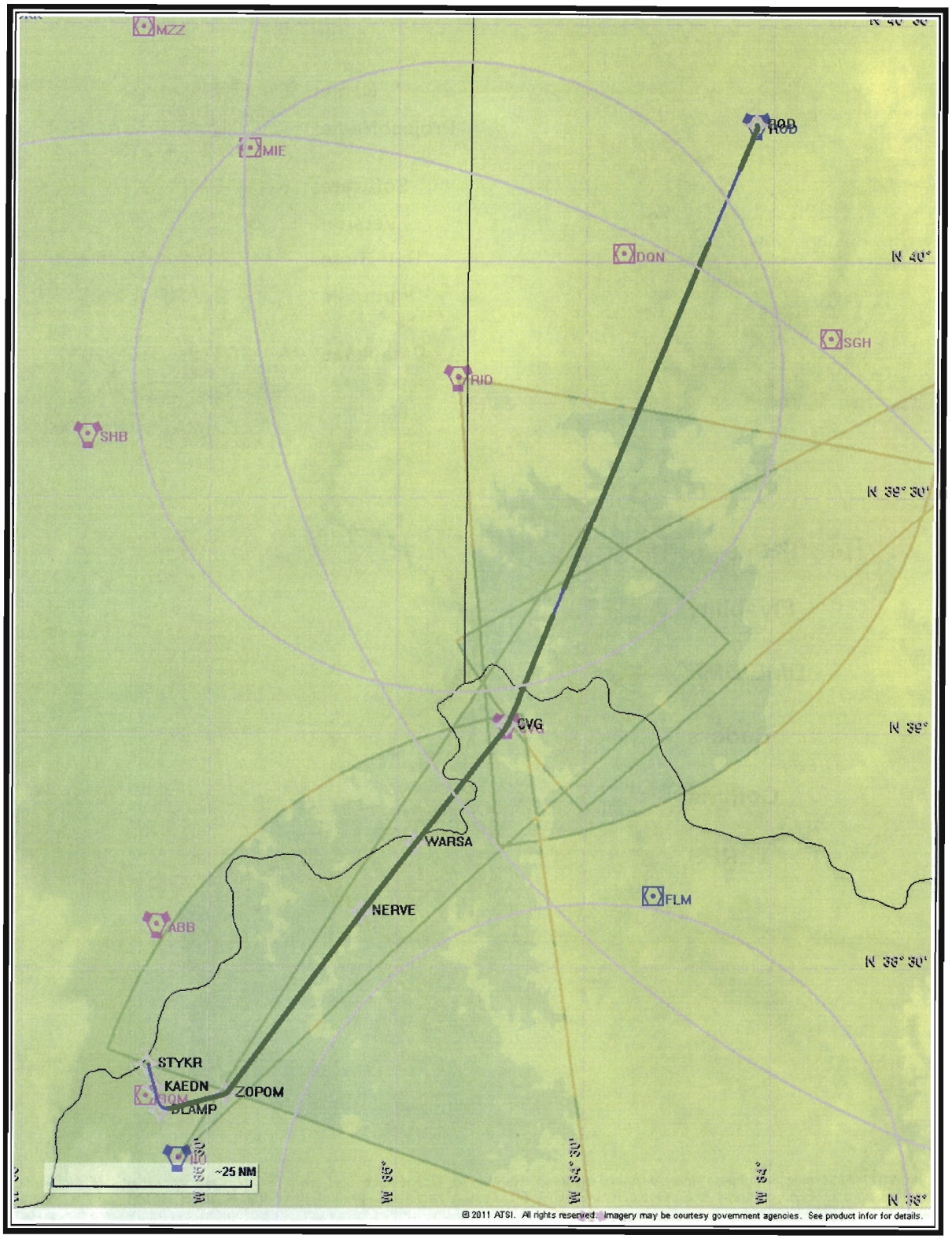
MZZ
MIE
ROD
DQN
N 40°
SGH
RID
SHB
N 39° 30'
CVG
N 39°
WARSA
NERVE
FLM
ABB
N 38° 30'
STYKR
KAEDN
ZOPOM
DLAMP
~25 NM
W 85° 30'
W 85°
W 84° 30'
W 84°
N 38°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ROD	WP	N 40° 17' 16.08" W 84° 2' 35.28"	18000.0	Step	210.0	Fly By	TF
CVG	WP	N 39° 0' 57.53" W 84° 42' 12.05"	15000.0	Step	180.0	Fly By	TF
WARSA	WP	N 38° 45' 47.93" W 84° 56' 53.65"	10000.0	Step	180.0	Fly By	TF
NERVE	WP	N 38° 36' 56.26" W 85° 5' 25.24"	6000.0	Step	180.0	Fly By	TF
ZOPOM	WP	N 38° 14' 13.94" W 85° 27' 3.87"	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
KAEDN	WP	N 38° 14' 59.68" W 85° 38' 29.99"	5000.0	Step	180.0	Fly By	TF
STYKR	WP	N 38° 17' 53.66" W 85° 39' 31.88"	5000.0	Step	180.0	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 **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 , 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: 13

Maximum DME Error: 0.623 NM.

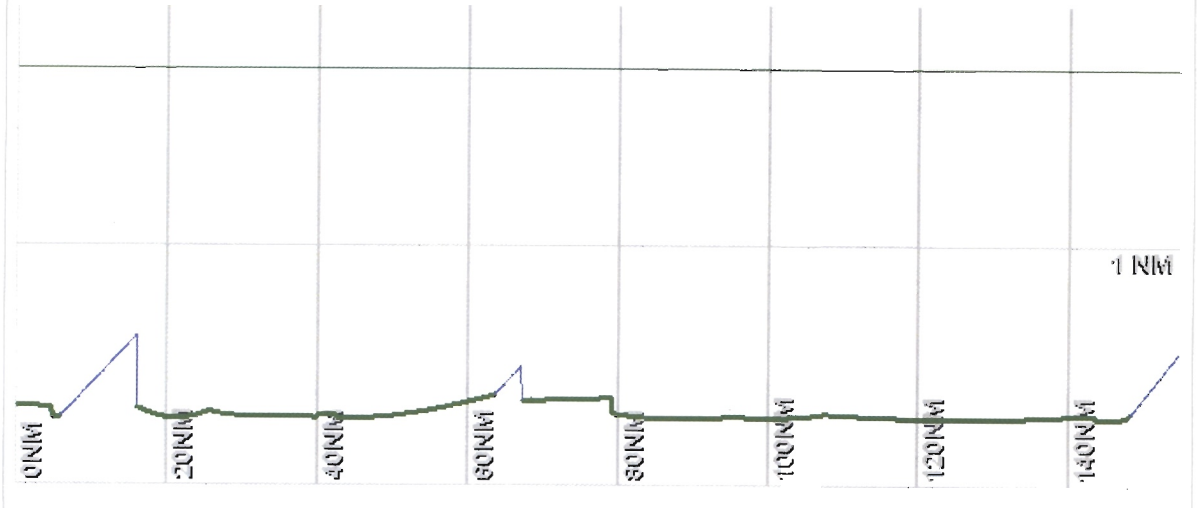
No Critical DMEs were found.

Available DMEs: APE, DQN, FWA, OKK, FLM, ROD, RID, CVG, IIU, HYK, ABB, BQM, EWO

Foreign DMEs within range: YQG, YQO, YXU

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	DQN	N 40° 0' 59.19" W 84° 23' 48.83"	L	Database	NO	0.836	Enabled	15.2 %	16.4 %
2	FWA	N 40° 58' 44.63" W 85° 11' 17.01"	H	Database	NO	0.790	Enabled	0.8 %	0.8 %
3	APE	N 40° 9' 3.82" W 82° 35' 17.88"	H + ESV	User	NO	0.623	Enabled	9.8 %	10.7 %
4	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	Database	NO	0.623	Enabled	20.2 %	21.2 %
5	OKK	N 40° 31' 40.00" W 86° 3' 28.81"	H	Database	NO	0.623	Enabled	0.0 %	0.0 %
6	ROD	N 40° 17' 16.08" W 84° 2' 35.28"	H	Database	NO	0.723	Enabled	7.0 %	7.6 %
7	RID	N 39° 45' 18.08" W 84° 50' 19.85"	L + ESV	User	NO	1.640	Enabled	23.5 %	25.5 %
8	CVG	N 39° 0' 57.53" W 84° 42' 12.05"	L	Database	NO	0.689	Enabled	22.1 %	22.5 %
9	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H + ESV	User	NO	0.623	Enabled	24.4 %	23.0 %
10	HYK	N 37° 57' 58.94" W 84° 28' 20.98"	L + ESV	User	NO	0.623	Enabled	28.0 %	25.3 %
11	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.623	Enabled	13.3 %	12.0 %
12	BQM	N 38° 13' 48.79" W 85° 39' 53.08"	T	Database	NO	0.873	Enabled	6.5 %	5.9 %
13	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.623	Enabled	3.3 %	3.0 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	DQN	ROD	FWA	APE	FLM	OKK
10.1	DQN	ROD	RID			
39.9	DQN	CVG	RID			
59.1	APE	CVG	RID	FLM	IIU	
81.5	ABB	CVG	HYK	FLM	IIU	
101.1	ABB	CVG	HYK	FLM	IIU	
112.2	ABB	CVG	HYK	FLM	IIU	
122.4	ABB	BQM	HYK	IIU		
139.9	ABB	BQM	EWO	IIU		
147.5	ABB	BQM	EWO	IIU		

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
151.5	ABB	BQM	EWO	IIU		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 11' 50.61" W 84° 5' 27.50"	N 40° 2' 26.56" W 84° 10' 24.68"	10.1
	VOR: AOH	Available from N 40° 11' 50.61" W 84° 5' 27.50" to N 40° 3' 25.94" W 84° 9' 53.47"	
	VOR: DQN	Available from N 40° 11' 50.61" W 84° 5' 27.50" to N 40° 2' 26.56" W 84° 10' 24.68"	
	VOR: ROD	Available from N 40° 11' 50.61" W 84° 5' 27.50" to N 40° 2' 26.56" W 84° 10' 24.68"	
	VOR: SGH	Available from N 40° 11' 50.61" W 84° 5' 27.50" to N 40° 2' 26.56" W 84° 10' 24.68"	
	VOR: RID	Available from N 40° 7' 56.86" W 84° 7' 30.87" to N 40° 2' 26.56" W 84° 10' 24.68"	
2	N 39° 18' 21.22" W 84° 33' 18.61"	N 39° 15' 4.12" W 84° 34' 59.73"	3.5
	VOR: CVG	Available from N 39° 18' 21.22" W 84° 33' 18.61" to N 39° 15' 4.12" W 84° 34' 59.73"	
	VOR: MXQ	Available from N 39° 18' 21.22" W 84° 33' 18.61" to N 39° 15' 4.12" W 84° 34' 59.73"	
	VOR: RID	Available from N 39° 18' 21.22" W 84° 33' 18.61" to N 39° 15' 4.12" W 84° 34' 59.73"	
	VOR: FLM	Available from N 39° 17' 10.56" W 84° 33' 54.88" to N 39° 15' 4.12" W 84° 34' 59.73"	
3	N 38° 12' 21.09" W 85° 36' 18.59"	N 38° 17' 53.58" W 85° 39' 31.85"	6.4
	VOR: ABB	Available from N 38° 12' 21.09" W 85° 36' 18.59" to N 38° 17' 53.58" W 85° 39' 31.85"	
	VOR: BQM	Available from N 38° 12' 21.09" W 85° 36' 18.59" to N 38° 17' 53.58" W 85° 39' 31.85"	
	VOR: EWO	Available from N 38° 12' 21.09" W 85° 36' 18.59" to N 38° 17' 53.58" W 85° 39' 31.85"	
	VOR: FFT	Available from N 38° 12' 21.09" W 85° 36' 18.59" to N 38° 17' 53.58" W 85° 39' 31.85"	
	VOR: FTK	Available from N 38° 12' 21.09" W 85° 36' 18.59" to N 38° 17' 53.58" W 85° 39' 31.85"	
	VOR: IIU	Available from N 38° 12' 21.09" W 85° 36' 18.59" to N 38° 17' 53.58" W 85° 39' 31.85"	
	VOR: MYS	Available from N 38° 12' 21.09" W 85° 36' 18.59" to N 38° 17' 53.58" W 85° 39' 31.85"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	APE	N 40° 9' 3.82" W 82° 35' 17.88"	H	1350.0	116.70	APE	Used
		ESV: Bearing [True]: 229.0° to 242.0° Bearing [Mag]: 235.0° to 248.0°			Arc Distance: Out to 119.0 NM Altitude: 12000.0 to 24000.0 Ft.		
2	HYK	N 37° 57' 58.94" W 84° 28' 20.98"	L	1038.8	112.60	HYK	Used
		ESV: Bearing [True]: 290.0° to 352.0° Bearing [Mag]: 290.0° to 352.0°			Arc Distance: Out to 65.0 NM Altitude: 4500.0 to 23000.0 Ft.		
3	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	720.0	114.80	IIU	Used
		ESV: Bearing [True]: 32.0° to 46.0° Bearing [Mag]: 31.0° to 45.0°			Arc Distance: Out to 95.0 NM Altitude: 9500.0 to 16000.0 Ft.		
4	RID	N 39° 45' 18.08" W 84° 50' 19.85"	L	1135.0	110.60	RID	Used
		ESV: Bearing [True]: 100.0° to 175.0° Bearing [Mag]: 103.0° to 178.0°			Arc Distance: Out to 60.0 NM Altitude: 9500.0 to 24000.0 Ft.		