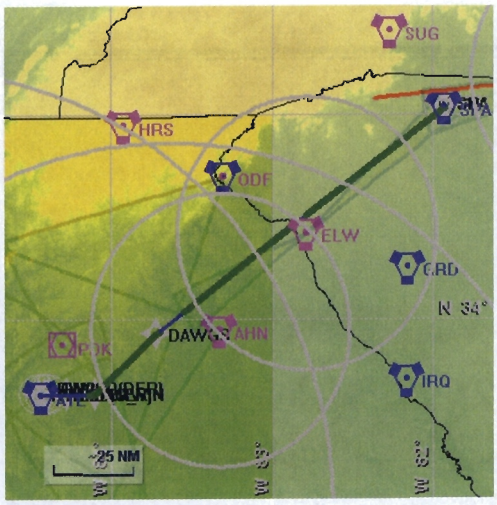

Name:	Dennis Osterhage
Project Name:	KATL RNAV SIDS
Output File:	KATL DAWGS6 SID RW09L SPA 20120719_0827
Procedure Name:	DAWGS6
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	7/19/2012 8:27:46 AM
Input File:	KATL DAWGS6 SID RW09L SPA 20120719_0808.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	?	
Comms	?	
TERPS	?	

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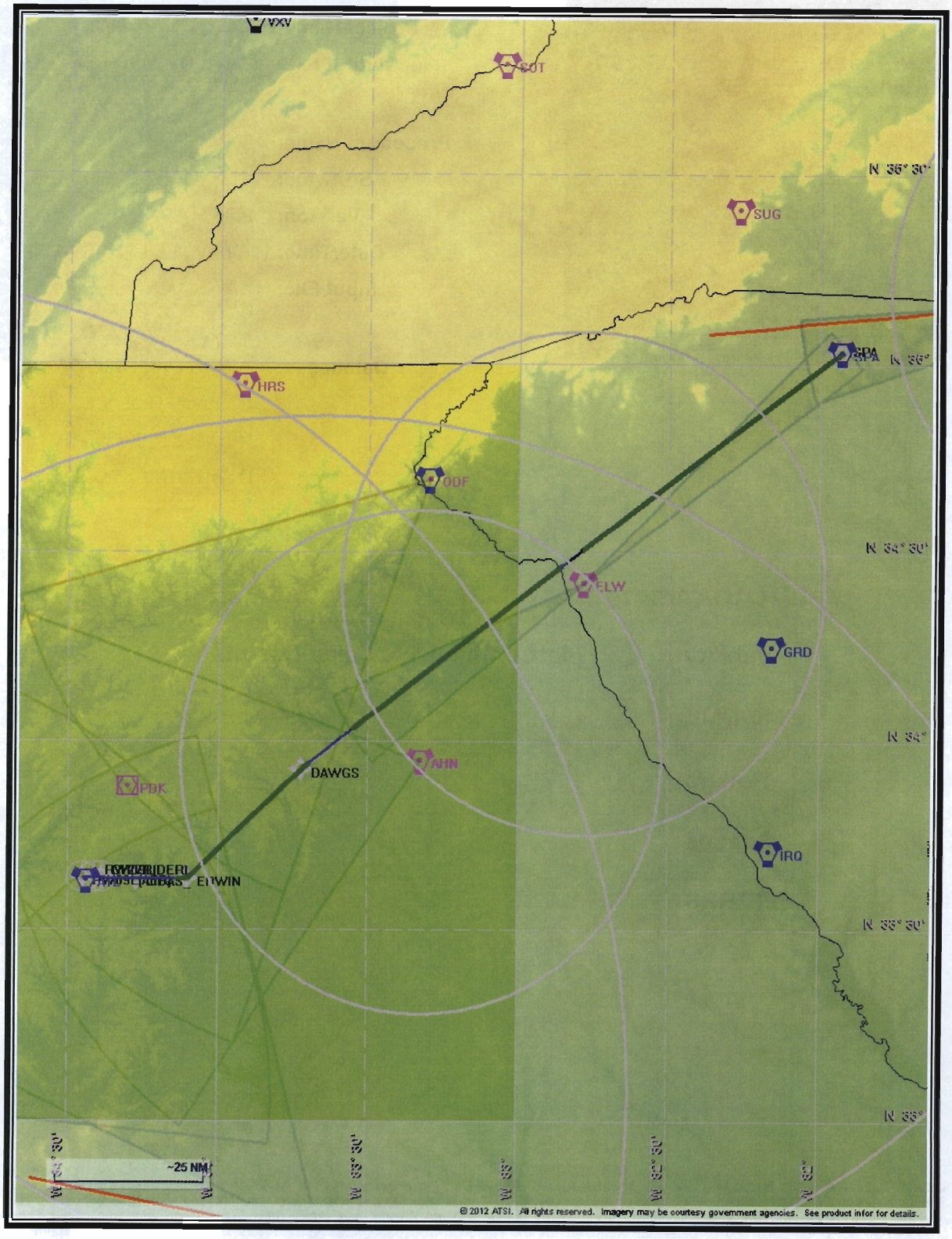
VXV
SOT
SUG
N 36° 30'
SPA
N 36°
HRS
ODF
N 34° 30'
ELW
GRD
N 34°
AHN
DAWGS
PDK
IRQ
N 33° 30'
N 33°
~25 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW09L(...	WP	N 33° 38' 4.93" W 84° 26' 52.68"	1018.7	VNAV	0.0	Fly Over	TF
RW27R(...	WP	N 33° 38' 4.93" W 84° 24' 26.16"	1013.2	VNAV	130.0	Fly Over	VA
GH09L	WP	N 33° 38' 4.89" W 84° 23' 7.10"	1527.0	VNAV	145.0	Fly Over	DF
LIDAS_	WP	N 33° 38' 1.09" W 84° 16' 9.13"	2690.3	VNAV	180.0	Fly By	TF
ERWIN	WP	N 33° 38' 3.00" W 84° 6' 2.00"	4380.1	VNAV	180.0	Fly By	TF
DAWGS	WP	N 33° 55' 30.60" W 83° 43' 20.72"	5000.0	VNAV	180.0	Fly By	TF
SPA	WP	N 35° 2' 1.05" W 81° 55' 37.24"	5000.0	VNAV	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Runway Departure **Selected Airport:** KATL **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Departure: **120.0 Kts** out to **10.0 NM** 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
Flight Track comes into contact with terrain. Minimum AGL along route was -44.63 Ft. Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.	

DME/DME

Return To Summary

Settings:

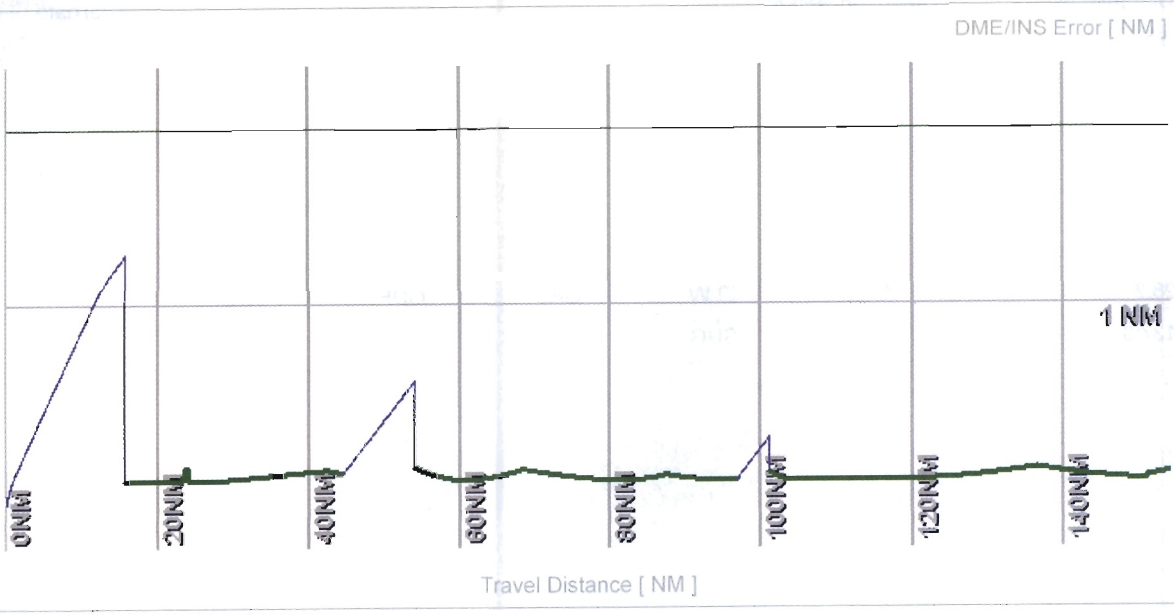
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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
Minimum MSL DMEs Avail: 3995 Ft.

Total Number of DMEs Used: 10

Maximum DME Error: 1.209 NM.

No Critical DMEs were found.

Available DMEs: PDK, LGC, MCN, AHN, ODF, ELW, GRD, SPA, SUG, CLT



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	MCN	N 32° 41' 28.26" W 83° 38' 49.86" E 1	H + ESV	User	NO	1.209	Enabled	3.6 %	3.8 %
2	AHN	N 33° 56' 51.34" W 83° 19' 29.13" E 0	L + ESV	User	NO	1.209	Enabled	19.6 %	20.9 %
3	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H + ESV	User	NO	1.209	Enabled	1.1 %	1.2 %
4	PDK	N 33° 52' 32.27" W 84° 17' 55.73" W 2	L	Database	NO	1.209	Enabled	12.7 %	13.5 %
5	ODF	N 34° 41' 45.14" W 83° 17' 51.58" E 0	H + ESV	User	NO	1.519	Enabled	32.8 %	35.1 %
6	ELW	N 34° 25' 9.07" W 82° 47' 4.86" E 0	L + ESV	User	NO	1.209	Enabled	28.4 %	30.3 %
7	GRD	N 34° 15' 5.64" W 82° 9' 14.94" W 1	H	Database	NO	1.209	Enabled	18.4 %	19.6 %
8	SPA	N 35° 2' 1.05" W 81° 55' 37.24" W 2	H	Database	NO	1.209	Enabled	22.4 %	23.9 %
9	SUG	N 35° 24' 23.42" W 82° 16' 7.01" W 2	L	Database	NO	1.209	Enabled	10.7 %	11.5 %
10	CLT	N 35° 11' 25.04" W 80° 57' 6.31" W 5	L + ESV	User	NO	1.209	Enabled	1.8 %	1.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.1						
2.8	PDK					
8.9	PDK	LGC	AHN	MCN		
16.7	PDK	LGC	AHN	MCN	ODF	
42.9	PDK	ELW	AHN	ODF		
98.2	SPA	ELW	GRD	ODF	SUG	
137.3	SPA	SUG	CLT			

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 33° 38' 4.93" W 84° 26' 52.68"	N 33° 38' 2.66" W 84° 8' 1.33"	15.7
	VOR: ATL	Available from N 33° 38' 4.93" W 84° 26' 52.68" to N 33° 38' 2.66" W 84° 8' 1.33"	
	VOR: FTYI	Available from N 33° 38' 4.93" W 84° 26' 52.68" to N 33° 38' 2.66" W 84° 8' 1.33"	
	VOR: PDK	Available from N 33° 38' 4.93" W 84° 26' 52.68" to N 33° 38' 2.66" W 84° 8' 1.33"	
2	N 33° 56' 26.21" W 83° 41' 54.84"	N 34° 2' 4.65" W 83° 32' 57.73"	9.3
	VOR: AHN	Available from N 33° 56' 26.21" W 83° 41' 54.84" to N 34° 2' 4.65" W 83° 32' 57.73"	
	VOR: PDK	Available from N 33° 56' 26.21" W 83° 41' 54.84" to N 34° 2' 4.65" W 83° 32' 57.73"	
3	N 34° 27' 54.83" W 82° 51' 32.52"	N 34° 30' 28.51" W 82° 47' 23.59"	4.3
	VOR: AHN	Available from N 34° 27' 54.83" W 82° 51' 32.52" to N 34° 28' 42.75" W 82° 50' 14.96"	
	VOR: ELW	Available from N 34° 27' 54.83" W 82° 51' 32.52" to N 34° 30' 28.51" W 82° 47' 23.59"	
	VOR: GRD	Available from N 34° 27' 54.83" W 82° 51' 32.52" to N 34° 30' 28.51" W 82° 47' 23.59"	
	VOR: ODF	Available from N 34° 27' 54.83" W 82° 51' 32.52" to N 34° 30' 28.51" W 82° 47' 23.59"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H	790.0	115.60	LGC	Used
	ESV:	Bearing [True]: 15.0° to 95.0° Bearing [Mag]: 14.0° to 94.0°		Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 14000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
2	MCN	N 32° 41' 28.26" W 83° 38' 49.86" E 1	H	350.0	114.20	MCN	Used
	Restriction:	Bearing [True]: 241.0° to 281.0° Bearing [Mag]: 240.0° to 280.0°		Distance: Beyond 0.0 NM Altitude: Below 3000.0 Ft.			
	ESV:	Bearing [True]: 295.0° to 345.0° Bearing [Mag]: 294.0° to 344.0°		Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 14000.0 Ft.			
	ESV:	Bearing [True]: 295.0° to 345.0° Bearing [Mag]: 294.0° to 344.0°		Arc Distance: Out to 82.0 NM Altitude: 6000.0 to 14000.0 Ft.			
3	AHN	N 33° 56' 51.34" W 83° 19' 29.13" E 0	L	790.0	109.60	AHN	Used
	ESV:	Bearing [True]: 215.0° to 290.0° Bearing [Mag]: 215.0° to 290.0°		Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 14000.0 Ft.			
4	ODF	N 34° 41' 45.14" W 83° 17' 51.58" E 0	H	1700.0	113.40	ODF	Used
	ESV:	Bearing [True]: 200.0° to 255.0° Bearing [Mag]: 200.0° to 255.0°		Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 14000.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 255.0° Bearing [Mag]: 200.0° to 255.0°		Arc Distance: Out to 95.0 NM Altitude: 8000.0 to 14000.0 Ft.			
5	ELW	N 34° 25' 9.07" W 82° 47' 4.86" E 0	L	736.2	108.60	ELW	Used
	ESV:	Bearing [True]: 45.0° to 53.0° Bearing [Mag]: 45.0° to 53.0°		Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 19000.0 Ft.			
	ESV:	Bearing [True]: 231.0° to 247.0° Bearing [Mag]: 231.0° to 247.0°		Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 18000.0 Ft.			
6	CLT	N 35° 11' 25.04" W 80° 57' 6.31" W 5	L	731.7	115.00	CLT	Used
	Restriction:	Bearing [True]: 10.0° to 45.0° Bearing [Mag]: 15.0° to 50.0°		Distance: Beyond 25.0 NM Altitude: Below 3000.0 Ft.			
	Restriction:	Bearing [True]: 45.0° to 95.0° Bearing [Mag]: 50.0° to 100.0°		Distance: Beyond 25.0 NM Altitude: Below 2500.0 Ft.			
	Restriction:	Bearing [True]: 265.0° to 345.0° Bearing [Mag]: 270.0° to 350.0°		Distance: Beyond 20.0 NM Altitude: Below 5000.0 Ft.			
	ESV:	Bearing [True]: 252.0° to 266.0° Bearing [Mag]: 257.0° to 271.0°		Arc Distance: Out to 55.0 NM Altitude: 3500.0 to 18000.0 Ft.			