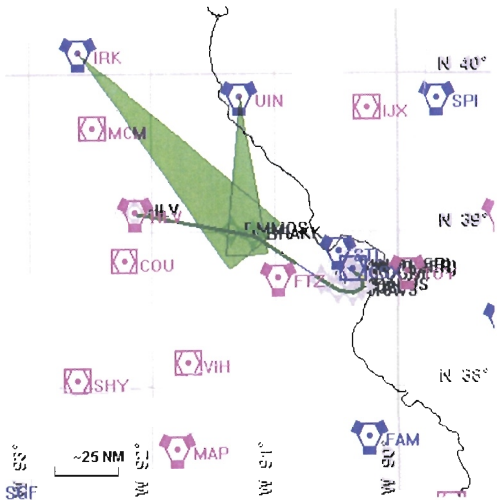

Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/2/2012 8:32:32 AM
Input File:	BRAKK RW11 HLV 20120...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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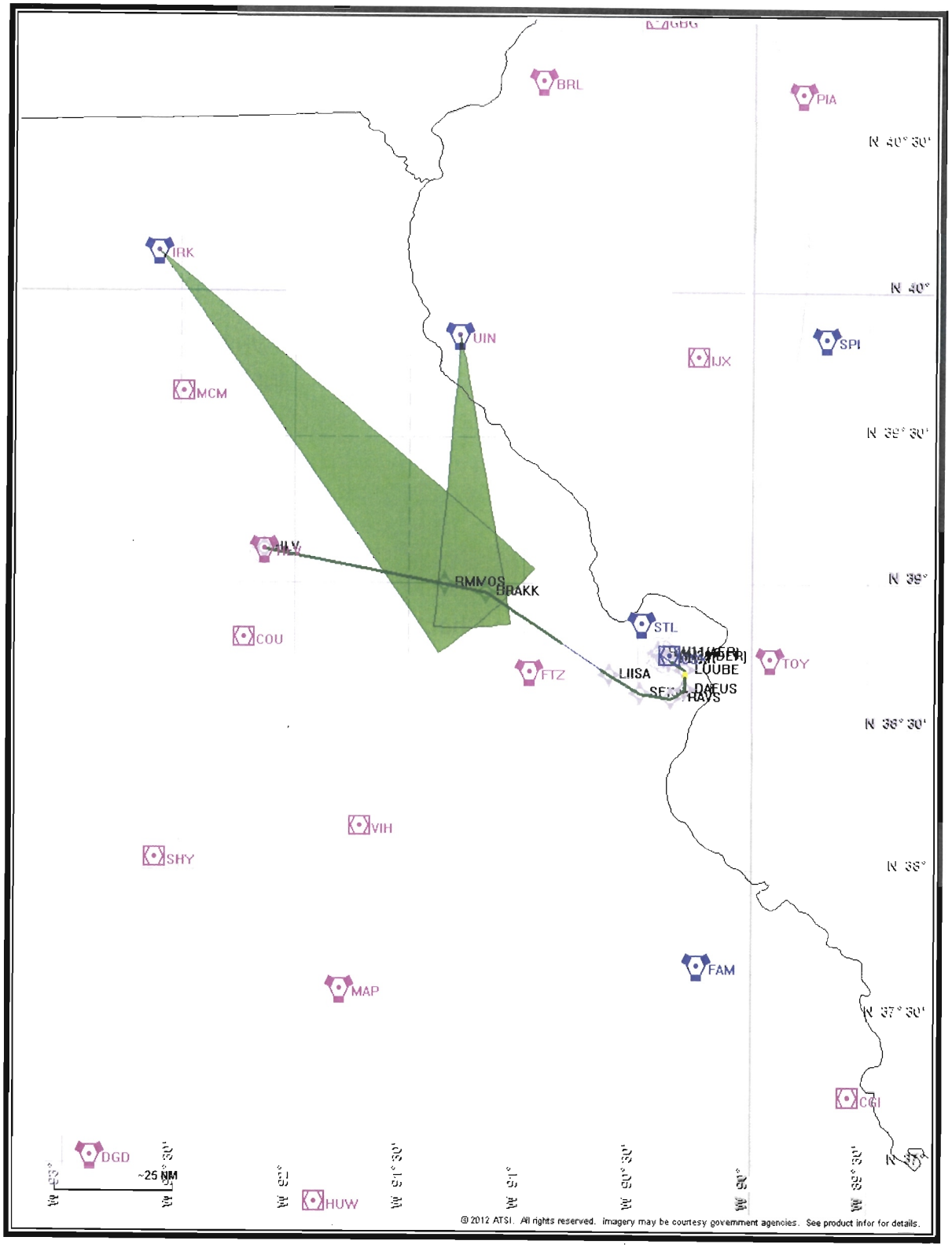
BRL
PIA
N 40° 30'
IRK
N 40°
UIN
IJX
SPI
MCM
N 39° 30'
HLV
RMMOS
BRAKK
N 39°
STL
COU
FTZ
LIISA
LOUBE
DAEUS
HAYS
TOY
N 38° 30'
VIH
SHY
N 38°
FAM
MAP
N 37° 30'
CGI
DGD
~25 NM
HUW
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW11(A...	WP	N 38° 45' 35.83" W 90° 24' 35.55"	618.0	VNAV	0.0	Fly Over	TF
RW29(D...	WP	N 38° 44' 48.46" W 90° 22' 59.39"	591.0	VNAV	130.0	Fly Over	VA
GH11:	WP	N 38° 44' 12.36" W 90° 21' 46.18"	1120.0	VNAV	145.0	Fly Over	DF
LUUBE	WP	N 38° 42' 8.40" W 90° 17' 35.03"	2500.0	VNAV	180.0	Fly By	TF
DAFUS	WP	N 38° 38' 8.82" W 90° 17' 34.70"	3297.8	VNAV	180.0	Fly By	TF
TRAVS	WP	N 38° 36' 17.86" W 90° 21' 22.28"	3997.8	VNAV	180.0	Fly By	TF
SEKAY	WP	N 38° 37' 16.62" W 90° 29' 17.37"	5254.4	VNAV	180.0	Fly By	TF
LIISA	WP	N 38° 41' 2.84" W 90° 37' 22.22"	6727.6	VNAV	180.0	Fly By	TF
BRAKK	WP	N 38° 58' 4.99" W 91° 9' 44.80"	12826.2	VNAV	210.0	Fly By	TF
RMMOS	WP	N 38° 59' 45.65" W 91° 20' 32.06"	14541.6	VNAV	210.0	Fly By	TF
HLV	WP	N 39° 6' 48.75" W 92° 7' 41.64"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
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
VNAV Mode: Flight Plan

Required IAS at Fly-By WP TRAVS could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -2.94 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:

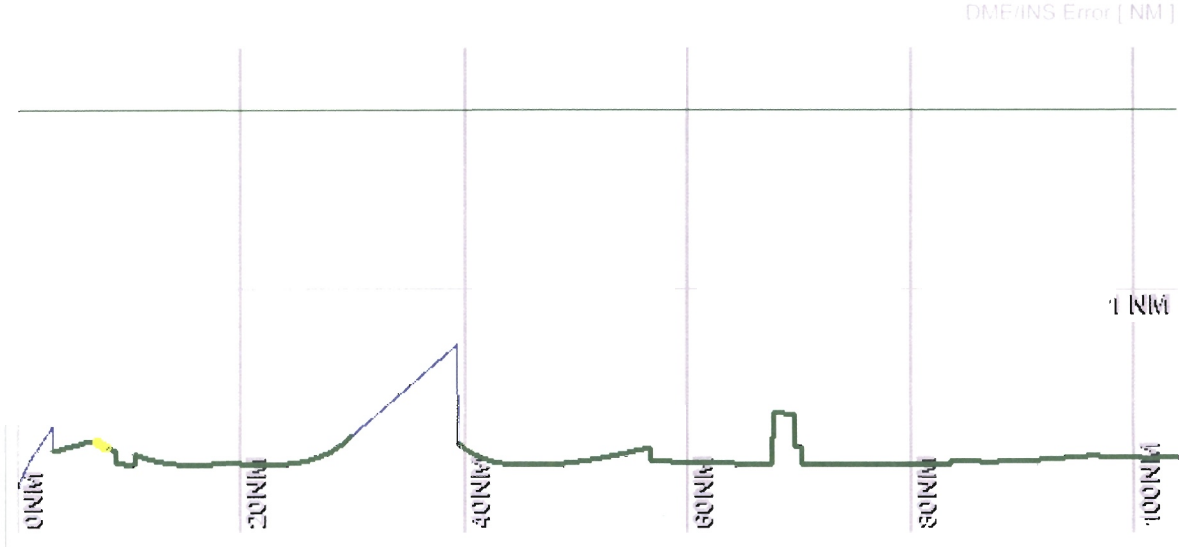
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 1839 Ft.

Total Number of DMEs Used: 9

Maximum DME Error: 0.775 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, IRK, UIN, HLV, SPI, COU, MCM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.574	Enabled	41.6 %	40.6 %
2	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	Database	NO	1.045	Enabled	31.8 %	32.3 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.832	Enabled	37.1 %	37.1 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.775	Enabled	2.5 %	1.7 %
5	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H + ESV	User	NO	0.775	Enabled	26.1 %	28.7 %
6	HLV	N 39° 6' 48.75" W 92° 7' 41.64"	L	Database	NO	0.775	Enabled	9.7 %	10.6 %
7	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H + ESV	User	NO	0.775	Enabled	8.8 %	9.7 %
8	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	Database	NO	0.775	Enabled	0.5 %	0.6 %
9	COU	N 38° 48' 38.96" W 92° 13' 5.79"	L	Database	NO	0.775	Enabled	13.2 %	14.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.5	STL					
2.5	STL	FTZ	CSX			
6.1	STL	FTZ	CSX	TOY		
10.1	STL	FTZ	CSX	TOY		
13.2	STL	FTZ	CSX			
19.5	STL	FTZ	CSX			
27.3	STL	FTZ	CSX	IRK	UIN	
57.4	STL	FTZ	HLV	IRK	UIN	
66.5	SPI	CSX	HLV	IRK	UIN	COU
83.6	STL	CSX	COU	IRK	UIN	HLV

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 45' 35.83" W 90° 24' 35.55"	N 38° 43' 58.07" W 90° 21' 17.24"	3.1
	VOR: CSX	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 43' 58.07" W 90° 21' 17.24"	
	VOR: FTZ	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 43' 58.07" W 90° 21' 17.24"	
	VOR: STL	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 43' 58.07" W 90° 21' 17.24"	
	VOR: TOY	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 43' 58.07" W 90° 21' 17.24"	
2	N 38° 42' 22.31" W 90° 39' 53.01"	N 38° 47' 39.86" W 90° 49' 53.23"	9.4
	VOR: CSX	Available from N 38° 42' 22.31" W 90° 39' 53.01" to N 38° 47' 39.86" W 90° 49' 53.23"	
	VOR: FTZ	Available from N 38° 42' 22.31" W 90° 39' 53.01" to N 38° 47' 39.86" W 90° 49' 53.23"	
	VOR: STL	Available from N 38° 42' 22.31" W 90° 39' 53.01" to N 38° 47' 39.86" W 90° 49' 53.23"	
	VOR: TOY	Available from N 38° 42' 22.31" W 90° 39' 53.01" to N 38° 45' 42.30" W 90° 46' 10.61"	

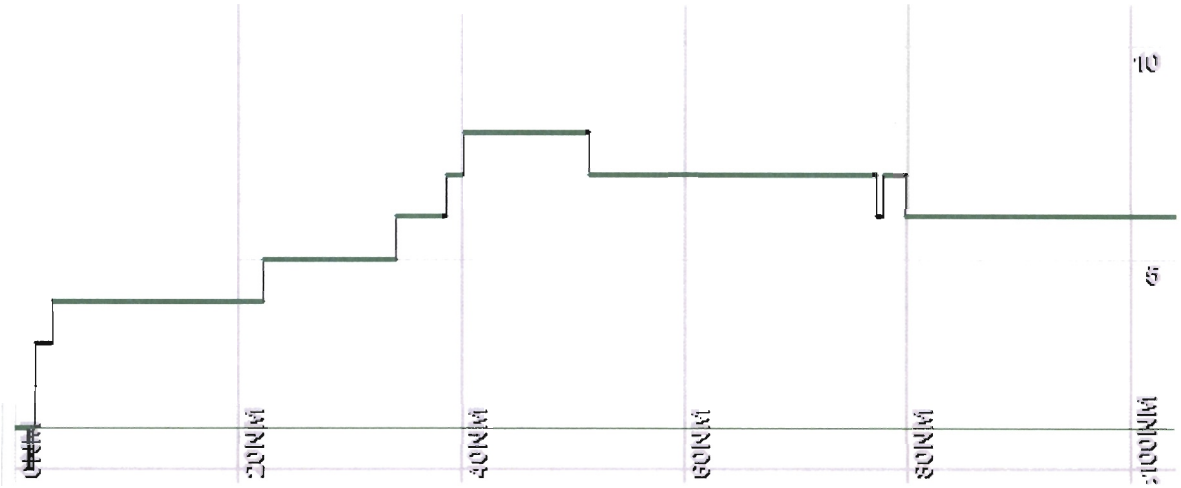
User DMEs

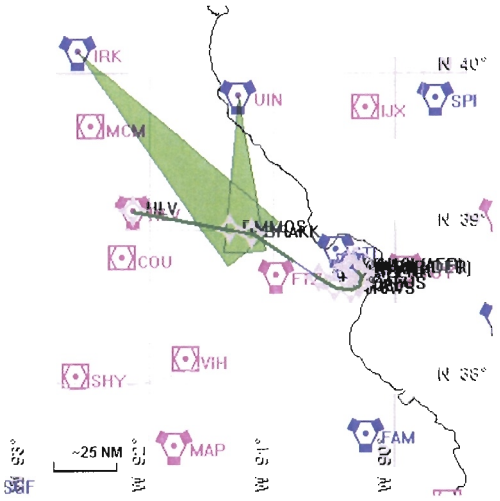
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H	985.0	114.60	IRK	Used
	ESV:	Bearing [True]: 130.0° to 145.0° Bearing [Mag]: 124.0° to 139.0°		Arc Distance: Out to 100.0 NM Altitude: 11000.0 to 18000.0 Ft.			
2	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H	715.1	113.60	UIN	Used
	ESV:	Bearing [True]: 170.0° to 185.0° Bearing [Mag]: 165.0° to 180.0°		Arc Distance: Out to 60.0 NM Altitude: 11000.0 to 16000.0 Ft.			

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/2/2012 8:42:37 AM
Input File:	BRAKK RW12L HLV 2012...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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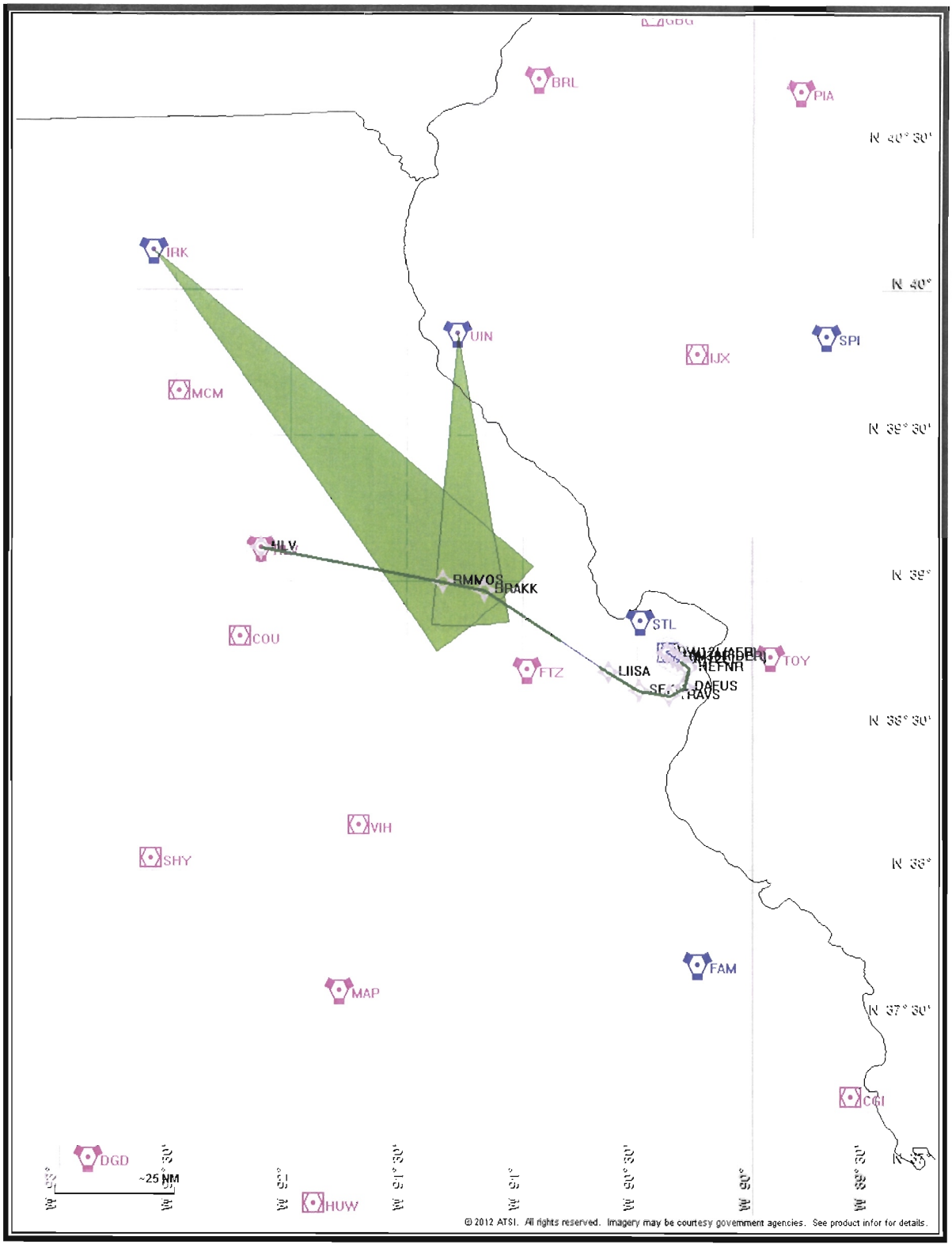
BRL
PIA
IRK
UIN
IJX
SPI
MCM
HLV
BRAKK
COU
STL
FTZ
LIISA
TOY
DAEUS
VIH
SHY
FAM
MAP
CGI
DGD
HUW
~25 NM
N 40° 30'
N 40°
N 39° 30'
N 39°
N 38° 30'
N 38°
N 37° 30'
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW12L(...	WP	N 38° 45' 6.41" W 90° 21' 58.66"	528.3	VNAV	0.0	Fly Over	TF
RW30R(...	WP	N 38° 44' 18.99" W 90° 20' 22.51"	639.5	VNAV	130.0	Fly Over	VA
GH12L	WP	N 38° 43' 45.97" W 90° 19' 15.62"	1120.0	VNAV	145.0	Fly Over	DF
HEFNR	WP	N 38° 42' 6.39" W 90° 16' 24.55"	2500.0	VNAV	180.0	Fly By	TF
DAFUS	WP	N 38° 38' 8.82" W 90° 17' 34.70"	3312.0	VNAV	180.0	Fly By	TF
TRAVS	WP	N 38° 36' 17.86" W 90° 21' 22.28"	4012.0	VNAV	180.0	Fly By	TF
SEKAY	WP	N 38° 37' 16.62" W 90° 29' 17.37"	5268.6	VNAV	180.0	Fly By	TF
LIISA	WP	N 38° 41' 2.84" W 90° 37' 22.22"	6741.8	VNAV	180.0	Fly By	TF
BRAKK	WP	N 38° 58' 4.99" W 91° 9' 44.80"	12840.4	VNAV	210.0	Fly By	TF
RMMOS	WP	N 38° 59' 45.65" W 91° 20' 32.06"	14555.9	VNAV	210.0	Fly By	TF
HLV	WP	N 39° 6' 48.75" W 92° 7' 41.64"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
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
VNAV Mode: Flight Plan

Required IAS at Fly-By WP TRAVS could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -64.22 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:

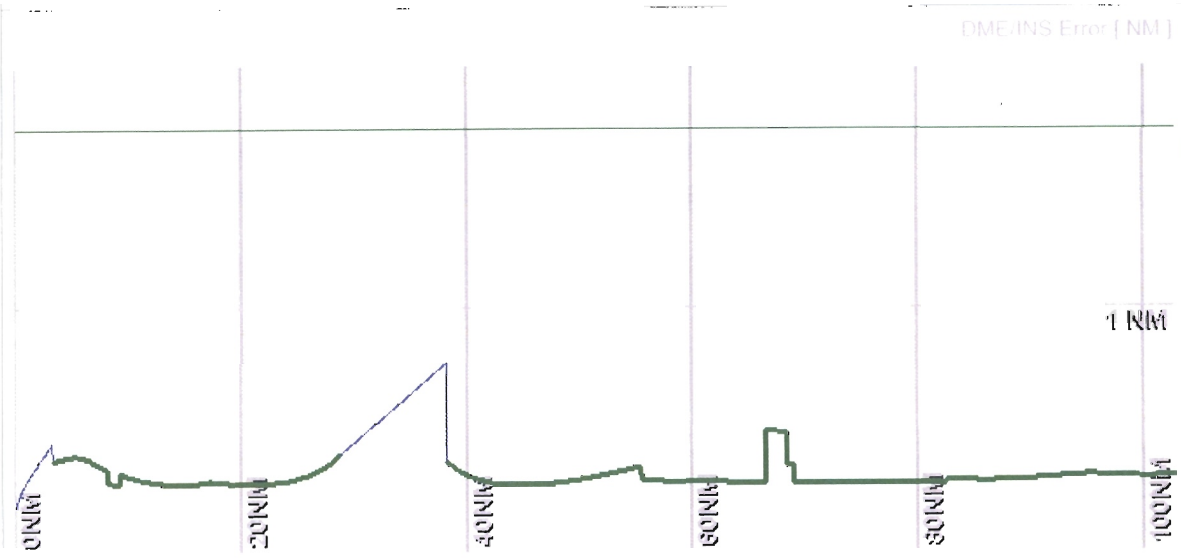
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 2122 Ft.

Total Number of DMEs Used: 9

Maximum DME Error: 0.775 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, IRK, UIN, HLV, SPI, COU, MCM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.575	Enabled	41.7 %	40.4 %
2	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	Database	NO	1.046	Enabled	31.1 %	32.0 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.831	Enabled	37.3 %	37.0 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.775	Enabled	1.6 %	1.0 %
5	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H + ESV	User	NO	0.775	Enabled	26.4 %	29.0 %
6	HLV	N 39° 6' 48.75" W 92° 7' 41.64"	L	Database	NO	0.775	Enabled	9.7 %	10.6 %
7	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H + ESV	User	NO	0.775	Enabled	8.9 %	9.7 %
8	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	Database	NO	0.775	Enabled	0.6 %	0.6 %
9	COU	N 38° 48' 38.96" W 92° 13' 5.79"	L	Database	NO	0.775	Enabled	13.4 %	14.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.5						
2.5	FTZ	STL	CSX			
4.9	FTZ	STL	CSX	TOY		
9.0	FTZ	STL	CSX	TOY		
12.1	FTZ	STL	CSX			
18.4	FTZ	STL	CSX			
26.2	FTZ	STL	CSX	IRK	UIN	
56.3	FTZ	STL	HLV	IRK	UIN	
65.4	SPI	CSX	HLV	IRK	UIN	COU
82.5	STL	CSX	COU	IRK	UIN	HLV

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 45' 6.41" W 90° 21' 58.66"	N 38° 43' 19.47" W 90° 18' 29.93"	3.3
	VOR: CSX	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 19.47" W 90° 18' 29.93"	
	VOR: FTZ	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 19.47" W 90° 18' 29.93"	
	VOR: STL	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 19.47" W 90° 18' 29.93"	
	VOR: TOY	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 19.47" W 90° 18' 29.93"	
2	N 38° 42' 22.77" W 90° 39' 53.89"	N 38° 47' 40.32" W 90° 49' 54.10"	9.4
	VOR: CSX	Available from N 38° 42' 22.77" W 90° 39' 53.89" to N 38° 47' 40.32" W 90° 49' 54.10"	
	VOR: FTZ	Available from N 38° 42' 22.77" W 90° 39' 53.89" to N 38° 47' 40.32" W 90° 49' 54.10"	
	VOR: STL	Available from N 38° 42' 22.77" W 90° 39' 53.89" to N 38° 47' 40.32" W 90° 49' 54.10"	
	VOR: TOY	Available from N 38° 42' 22.77" W 90° 39' 53.89" to N 38° 45' 42.76" W 90° 46' 11.48"	

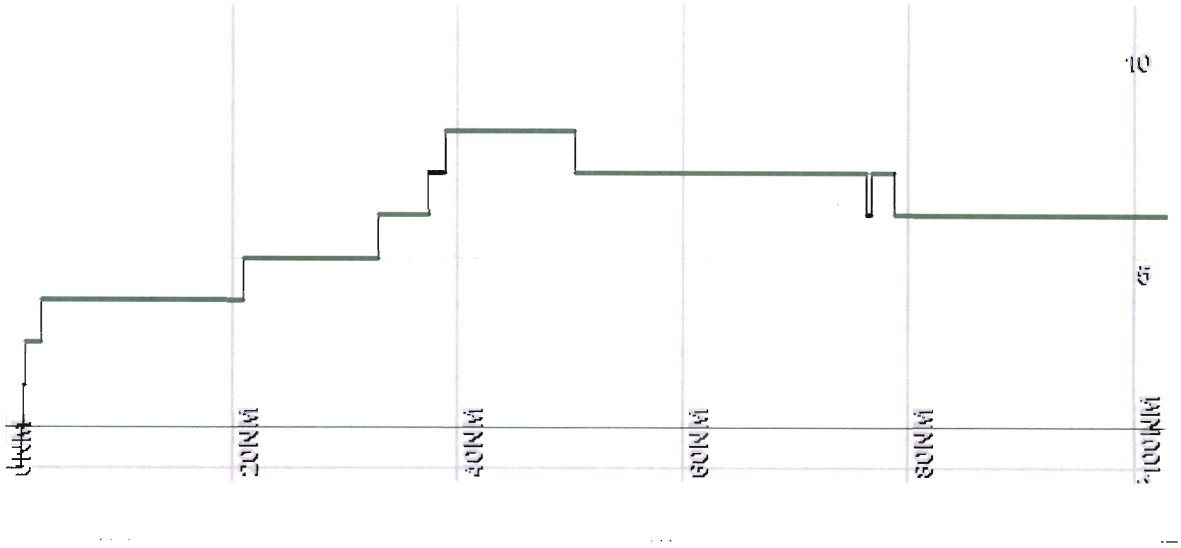
User DMEs

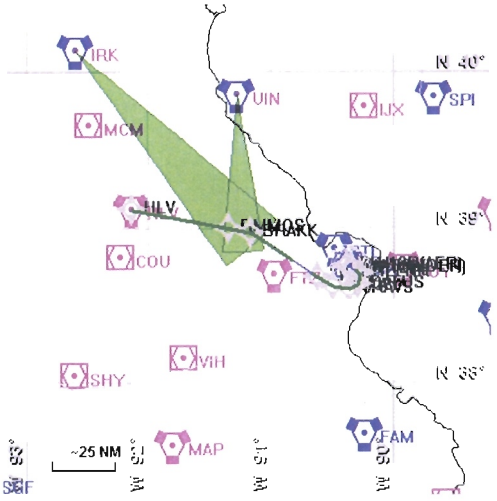
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H	985.0	114.60	IRK	Used
	ESV:	Bearing [True]: 130.0° to 145.0° Bearing [Mag]: 124.0° to 139.0°		Arc Distance: Out to 100.0 NM Altitude: 11000.0 to 18000.0 Ft.			
2	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H	715.1	113.60	UIN	Used
	ESV:	Bearing [True]: 170.0° to 185.0° Bearing [Mag]: 165.0° to 180.0°		Arc Distance: Out to 60.0 NM Altitude: 11000.0 to 16000.0 Ft.			

Radar Analysis

Return To Summary

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





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/2/2012 8:53:17 AM
Input File:	BRAKK RW12R HLV 2012...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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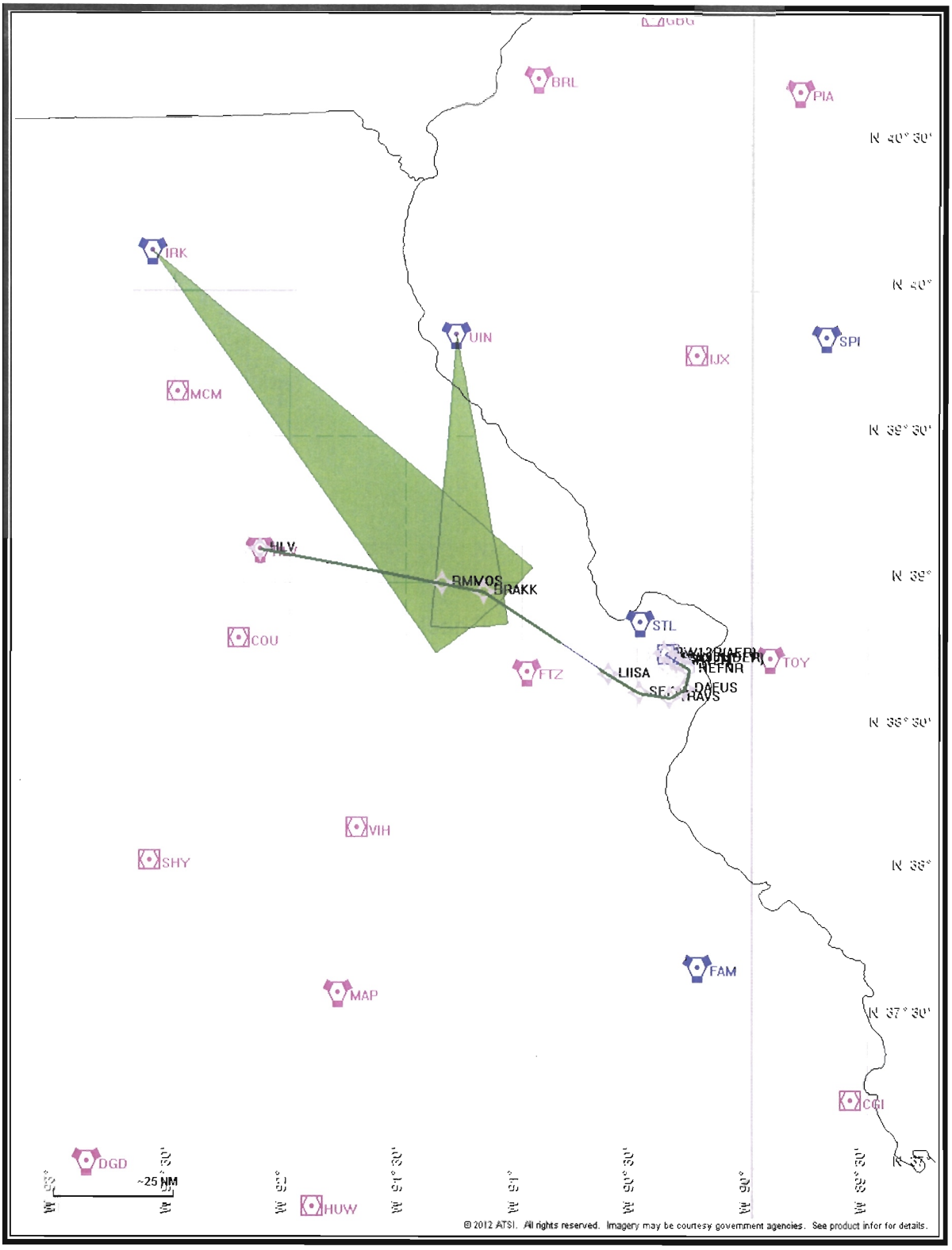
BRL
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HLV
RMVOS
BRAKK
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COU
FTZ
LIISA
TOY
VIH
SHY
FAM
MAP
CGI
DGD
HUW
~25 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW12R(...	WP	N 38° 45' 11.59" W 90° 22' 39.98"	541.6	VNAV	0.0	Fly Over	TF
RW30L(...	WP	N 38° 44' 16.01" W 90° 20' 47.27"	620.8	VNAV	130.0	Fly Over	VA
GH12R	WP	N 38° 43' 41.81" W 90° 19' 37.96"	1120.0	VNAV	145.0	Fly Over	DF
HEFNR	WP	N 38° 42' 6.39" W 90° 16' 24.55"	2500.0	VNAV	180.0	Fly By	TF
DAFUS	WP	N 38° 38' 8.82" W 90° 17' 34.70"	3312.0	VNAV	180.0	Fly By	TF
TRAVS	WP	N 38° 36' 17.86" W 90° 21' 22.28"	4012.0	VNAV	180.0	Fly By	TF
SEKAY	WP	N 38° 37' 16.62" W 90° 29' 17.37"	5268.6	VNAV	180.0	Fly By	TF
LIISA	WP	N 38° 41' 2.84" W 90° 37' 22.22"	6741.8	VNAV	180.0	Fly By	TF
BRAKK	WP	N 38° 58' 4.99" W 91° 9' 44.80"	12840.4	VNAV	210.0	Fly By	TF
RMMOS	WP	N 38° 59' 45.65" W 91° 20' 32.06"	14555.9	VNAV	210.0	Fly By	TF
HLV	WP	N 39° 6' 48.75" W 92° 7' 41.64"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
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
VNAV Mode: Flight Plan

Required IAS at Fly-By WP TRAVS could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -71.92 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:

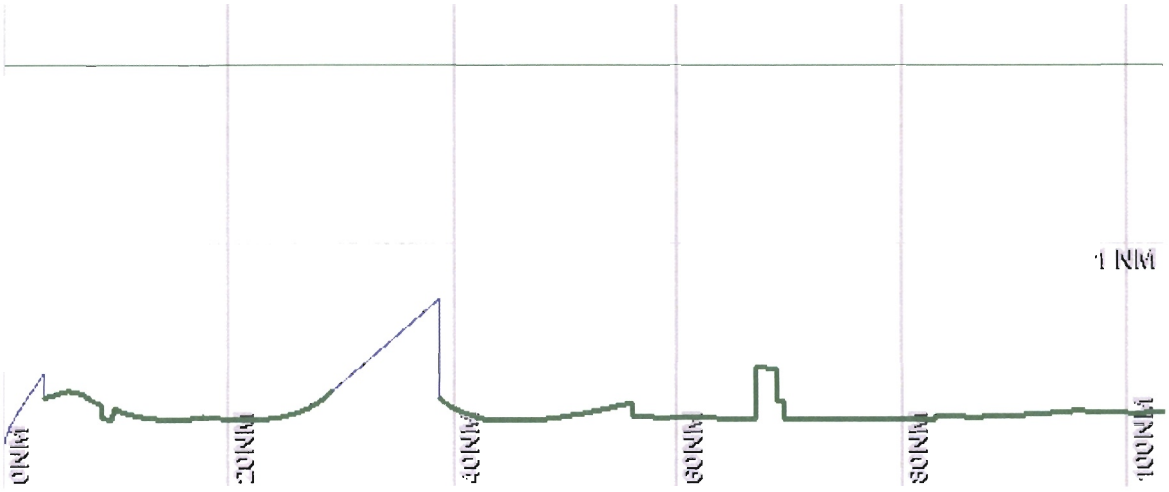
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 2017 Ft.

Total Number of DMEs Used: 9

Maximum DME Error: 0.774 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, IRK, UIN, HLV, SPI, COU, MCM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.576	Enabled	41.8 %	40.6 %
2	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	Database	NO	1.045	Enabled	31.3 %	32.1 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.832	Enabled	37.0 %	36.9 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.774	Enabled	1.6 %	1.0 %
5	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H + ESV	User	NO	0.774	Enabled	26.3 %	28.9 %
6	HLV	N 39° 6' 48.75" W 92° 7' 41.64"	L	Database	NO	0.774	Enabled	9.7 %	10.7 %
7	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H + ESV	User	NO	0.774	Enabled	8.7 %	9.6 %
8	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	Database	NO	0.774	Enabled	0.5 %	0.6 %
9	COU	N 38° 48' 38.96" W 92° 13' 5.79"	L	Database	NO	0.774	Enabled	13.3 %	14.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.8						
2.8	FTZ	STL	CSX			
5.4	FTZ	STL	CSX	TOY		
9.5	FTZ	STL	CSX	TOY		
12.6	FTZ	STL	CSX			
18.9	FTZ	STL	CSX			
26.7	FTZ	STL	CSX	IRK	UIN	
56.8	FTZ	STL	HLV	IRK	UIN	
65.9	SPI	CSX	HLV	IRK	UIN	COU
83.0	STL	CSX	COU	IRK	UIN	HLV

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 45' 11.59" W 90° 22' 39.98"	N 38° 43' 21.02" W 90° 18' 55.85"	3.5
	VOR: CSX	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 21.02" W 90° 18' 55.85"	
	VOR: FTZ	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 21.02" W 90° 18' 55.85"	
	VOR: STL	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 21.02" W 90° 18' 55.85"	
	VOR: TOY	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 21.02" W 90° 18' 55.85"	
2	N 38° 42' 23.44" W 90° 39' 55.14"	N 38° 47' 39.12" W 90° 49' 51.82"	9.4
	VOR: CSX	Available from N 38° 42' 23.44" W 90° 39' 55.14" to N 38° 47' 39.12" W 90° 49' 51.82"	
	VOR: FTZ	Available from N 38° 42' 23.44" W 90° 39' 55.14" to N 38° 47' 39.12" W 90° 49' 51.82"	
	VOR: STL	Available from N 38° 42' 23.44" W 90° 39' 55.14" to N 38° 47' 39.12" W 90° 49' 51.82"	
	VOR: TOY	Available from N 38° 42' 23.44" W 90° 39' 55.14" to N 38° 45' 43.42" W 90° 46' 12.73"	

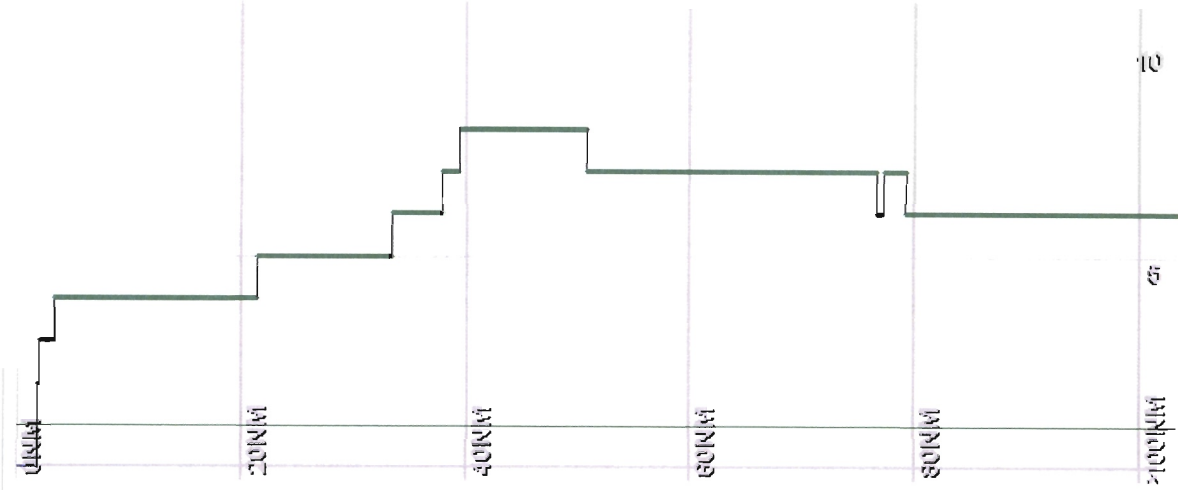
User DMEs

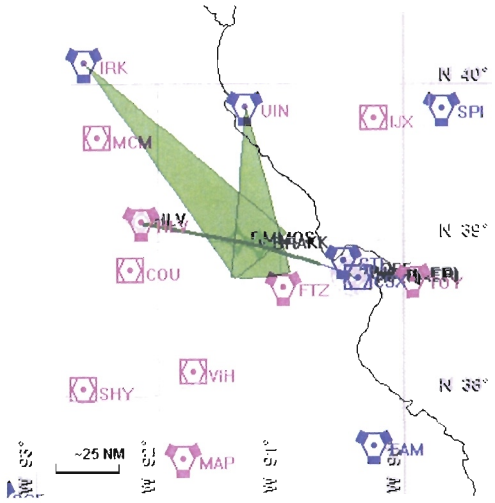
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H	985.0	114.60	IRK	Used
	ESV:	Bearing [True]: 130.0° to 145.0° Bearing [Mag]: 124.0° to 139.0°			Arc Distance: Out to 100.0 NM Altitude: 11000.0 to 18000.0 Ft.		
2	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H	715.1	113.60	UIN	Used
	ESV:	Bearing [True]: 170.0° to 185.0° Bearing [Mag]: 165.0° to 180.0°			Arc Distance: Out to 60.0 NM Altitude: 11000.0 to 16000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/2/2012 9:25:52 AM
Input File:	BRAKK RW29 HLV 20120...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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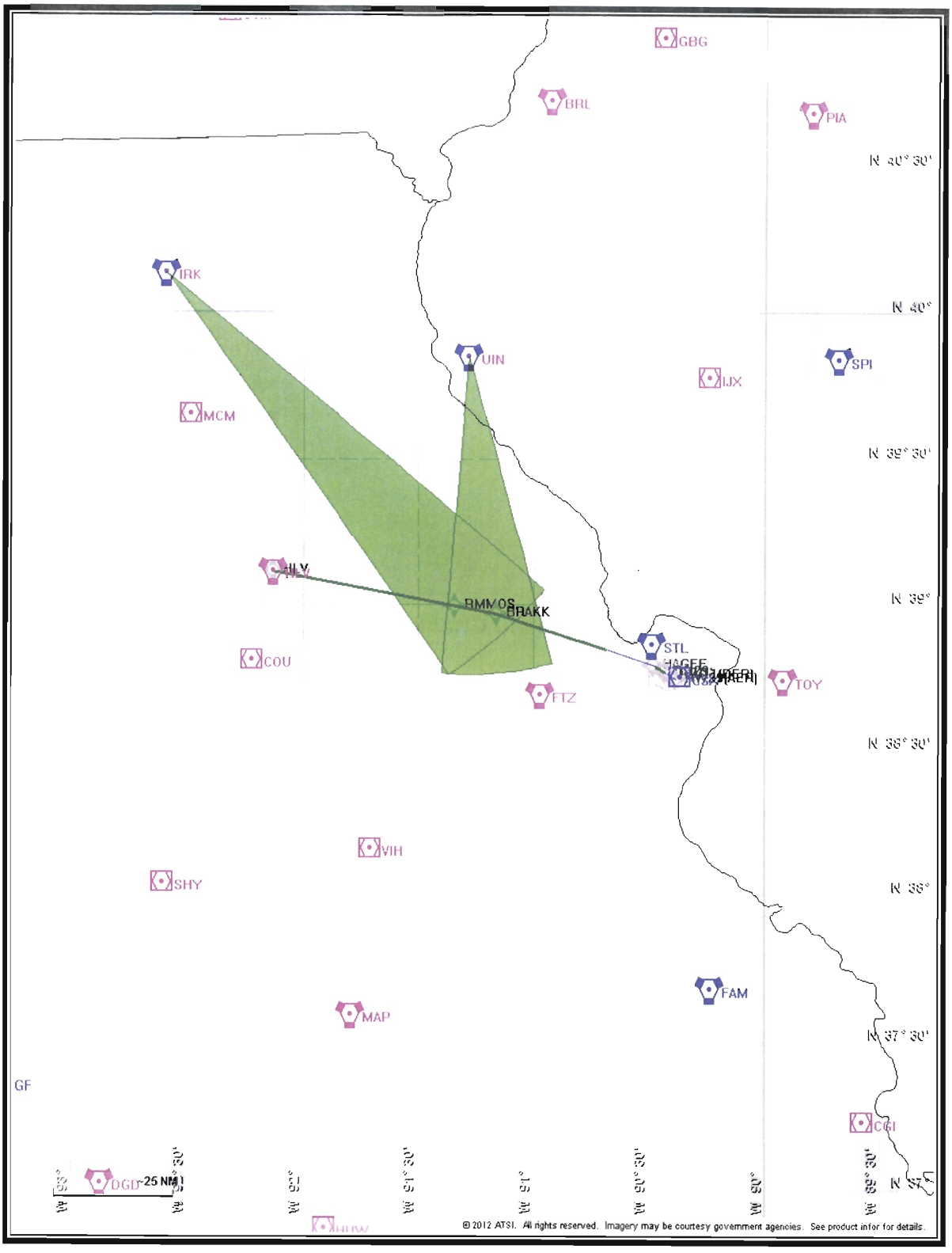
GBG
BRL
PIA
IRK
UIN
IJX
SPI
MCM
HLV
BRAKK
STL
COU
FTZ
TOY
VIH
SHY
FAM
MAP
CGI
DGD
25 NM
GF
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW29(A...	WP	N 38° 44' 48.46" W 90° 22' 59.39"	556.0	VNAV	0.0	Fly Over	TF
RW11(D...	WP	N 38° 45' 35.83" W 90° 24' 35.55"	653.0	VNAV	130.0	Fly Over	VA
GH29:	WP	N 38° 46' 7.93" W 90° 25' 40.75"	1120.0	VNAV	145.0	Fly Over	DF
HAGEE	WP	N 38° 47' 35.74" W 90° 28' 40.90"	2500.0	VNAV	180.0	Fly By	TF
BRAKK	WP	N 38° 58' 4.99" W 91° 9' 44.80"	9247.0	VNAV	180.0	Fly By	TF
RMMOS	WP	N 38° 59' 45.65" W 91° 20' 32.06"	10962.5	VNAV	180.0	Fly By	TF
HLV	WP	N 39° 6' 48.75" W 92° 7' 41.64"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
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
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -47.99 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:

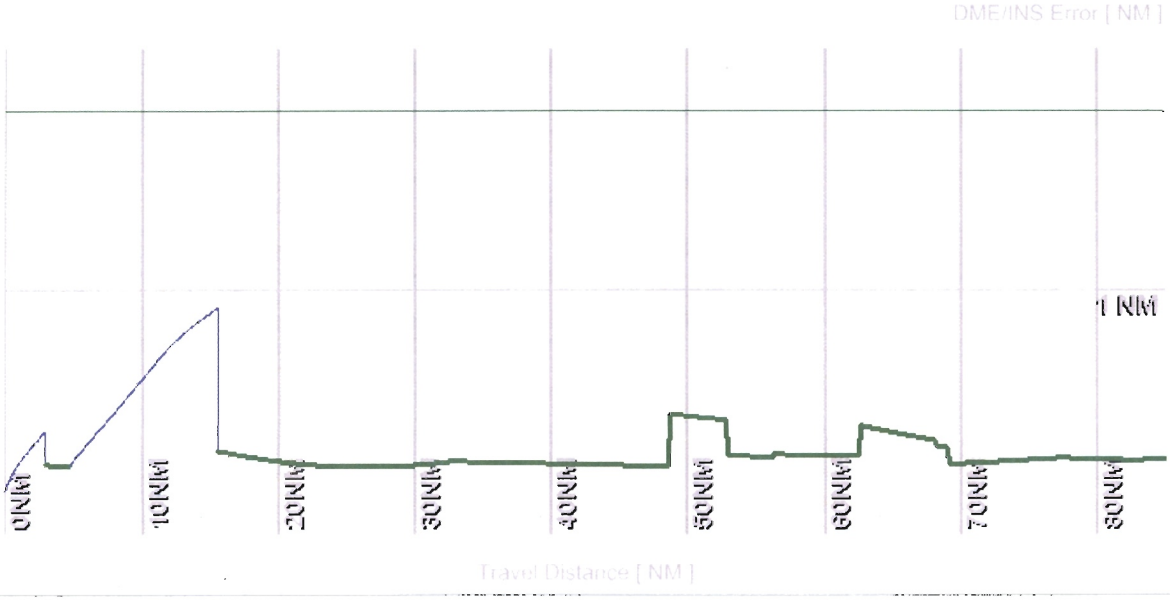
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 1661 Ft.

Total Number of DMEs Used: 7

Maximum DME Error: 0.926 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, UIN, IRK, HLV, COU, MCM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.619	Enabled	27.8 %	29.7 %
2	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	Database	NO	1.185	Enabled	22.8 %	24.1 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.955	Enabled	27.4 %	30.7 %
4	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H + ESV	User	NO	0.926	Enabled	23.8 %	26.6 %
5	HLV	N 39° 6' 48.75" W 92° 7' 41.64"	L	Database	NO	0.926	Enabled	14.0 %	15.6 %
6	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H + ESV	User	NO	0.926	Enabled	9.8 %	10.9 %
7	COU	N 38° 48' 38.96" W 92° 13' 5.79"	L	Database	NO	0.960	Enabled	26.8 %	30.0 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.5	STL					
2.5	STL	FTZ	CSX			
5.1	STL	FTZ	CSX	TOY		
28.6	STL	FTZ	CSX	UIN	IRK	
38.7	STL	FTZ	HLV	UIN	IRK	CSX
47.5	COU	FTZ	HLV	UIN	IRK	
62.5	COU	CSX	HLV	UIN	IRK	STL

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 44' 48.46" W 90° 22' 59.39"	N 38° 46' 19.69" W 90° 26' 4.80"	2.9
	VOR: CSX	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 19.69" W 90° 26' 4.80"	
	VOR: FTZ	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 19.69" W 90° 26' 4.80"	
	VOR: STL	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 19.69" W 90° 26' 4.80"	
	VOR: TOY	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 19.69" W 90° 26' 4.80"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 38° 47' 16.83" W 90° 28' 2.05"	N 38° 50' 48.45" W 90° 41' 7.75"	10.8

VOR: CSX	Available from N 38° 47' 16.83" W 90° 28' 2.05" to N 38° 50' 48.45" W 90° 41' 7.75"
VOR: FTZ	Available from N 38° 47' 16.83" W 90° 28' 2.05" to N 38° 50' 48.45" W 90° 41' 7.75"
VOR: STL	Available from N 38° 47' 16.83" W 90° 28' 2.05" to N 38° 50' 48.45" W 90° 41' 7.75"
VOR: TOY	Available from N 38° 47' 16.83" W 90° 28' 2.05" to N 38° 50' 48.45" W 90° 41' 7.75"

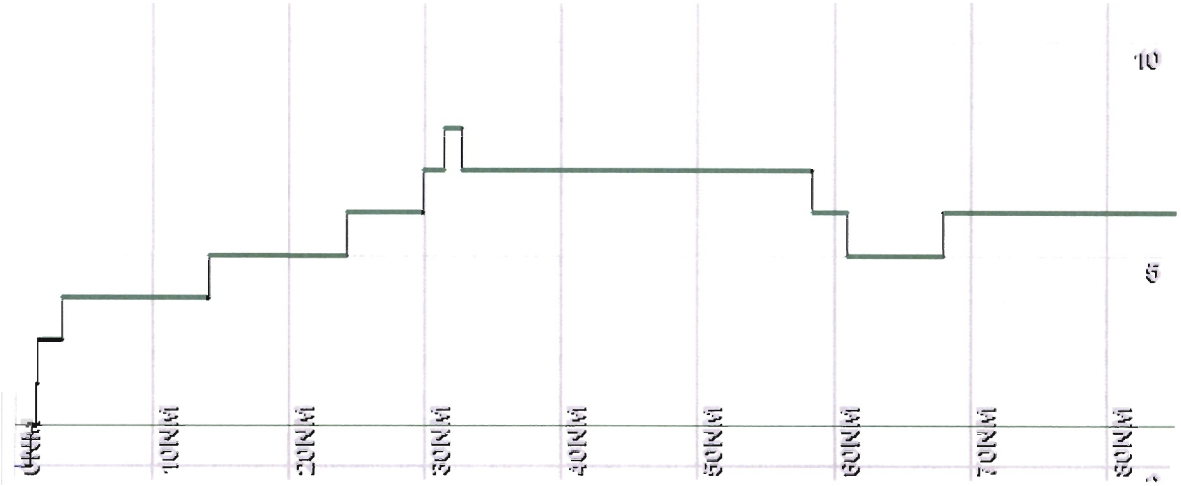
User DMEs

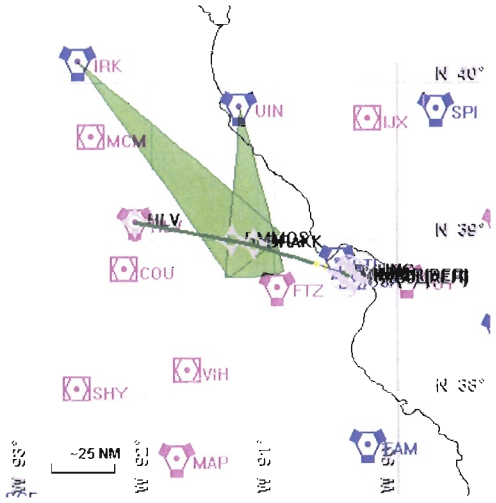
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H	985.0	114.60	IRK	Used
		ESV: Bearing [True]: 130.0° to 145.0° Bearing [Mag]: 124.0° to 139.0°			Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 18000.0 Ft.		
2	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H	715.1	113.60	UIN	Used
		ESV: Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 160.0° to 180.0°			Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 Ft.		

Radar Analysis

Return To Summary

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





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/2/2012 9:36:06 AM
Input File:	BRAKK RW30L HLV 2012...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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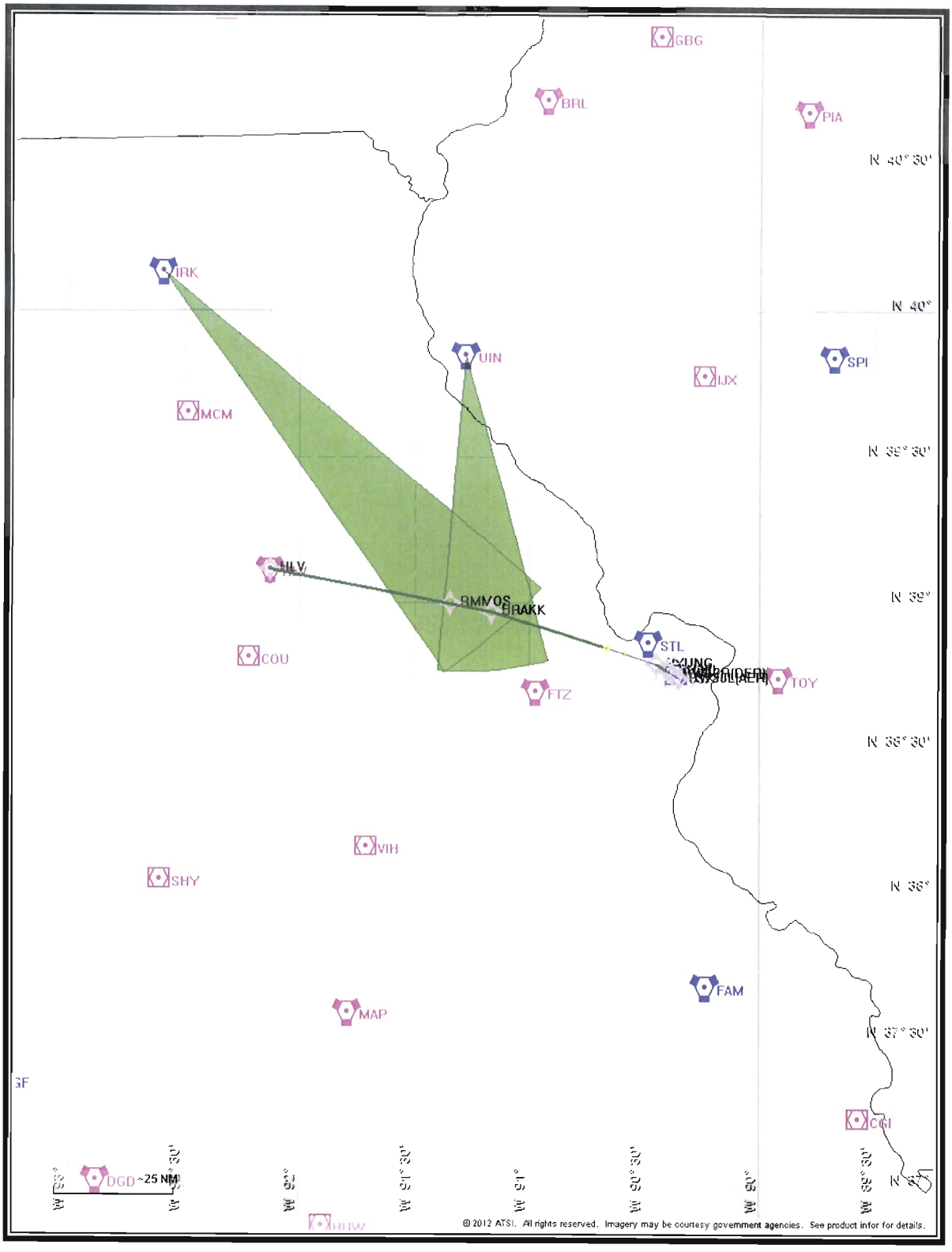
GBG
BRL
PIA
N 40° 30'
IRK
N 40°
UIN
SPI
IJX
MCM
N 39° 30'
HLV
BRAKK
N 39°
STL
COU
TOY
FTZ
N 38° 30'
VIH
SHY
N 38°
FAM
MAP
N 37° 30'
CGI
DGD ~25 NM
HHTW
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW30L(...	WP	N 38° 44' 17.08" W 90° 20' 49.42"	585.8	VNAV	0.0	Fly Over	TF
RW12R(...	WP	N 38° 45' 14.05" W 90° 22' 44.97"	576.6	VNAV	130.0	Fly Over	VA
GH30L	WP	N 38° 45' 51.05" W 90° 24' 0.07"	1120.0	VNAV	145.0	Fly Over	DF
PYUNG	WP	N 38° 47' 18.73" W 90° 27' 0.07"	2500.0	VNAV	180.0	Fly By	TF
BRAKK	WP	N 38° 58' 4.99" W 91° 9' 44.80"	9514.4	VNAV	180.0	Fly By	TF
RMMOS	WP	N 38° 59' 45.65" W 91° 20' 32.06"	11229.8	VNAV	210.0	Fly By	TF
HLV	WP	N 39° 6' 48.75" W 92° 7' 41.64"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
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
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -31.97 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:

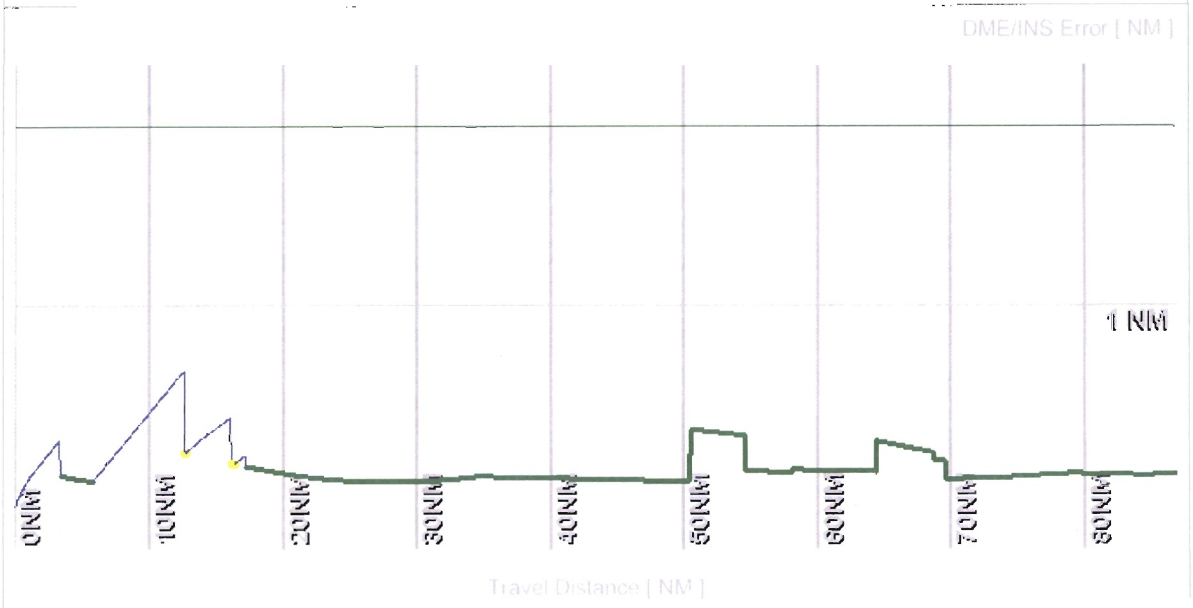
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 1662 Ft.

Total Number of DMEs Used: 8

Maximum DME Error: 0.732 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, UIN, IRK, HLV, COU, MCM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.693	Enabled	28.9 %	30.4 %
2	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	Database	NO	1.258	Enabled	23.5 %	24.4 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.956	Enabled	27.3 %	30.5 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.732	Enabled	0.0 %	0.0 %
5	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H + ESV	User	NO	0.732	Enabled	23.2 %	25.9 %
6	HLV	N 39° 6' 48.75" W 92° 7' 41.64"	L	Database	NO	0.732	Enabled	12.3 %	13.7 %
7	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H + ESV	User	NO	0.732	Enabled	11.0 %	12.3 %
8	COU	N 38° 48' 38.96" W 92° 13' 5.79"	L	Database	NO	0.907	Enabled	26.5 %	29.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.8						
2.9	FTZ	STL	CSX			
5.5	FTZ	STL	CSX	TOY		
30.4	FTZ	STL	CSX	UIN	IRK	
40.5	FTZ	STL	HLV	UIN	IRK	CSX
49.3	FTZ	COU	HLV	UIN	IRK	
64.3	CSX	COU	HLV	UIN	IRK	STL

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 44' 17.08" W 90° 20' 49.42"	N 38° 46' 1.13" W 90° 24' 20.75"	3.3
	VOR: CSX	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 1.13" W 90° 24' 20.75"	
	VOR: FTZ	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 1.13" W 90° 24' 20.75"	
	VOR: STL	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 1.13" W 90° 24' 20.75"	
	VOR: TOY	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 1.13" W 90° 24' 20.75"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 38° 47' 20.31" W 90° 27' 6.61"	N 38° 49' 27.38" W 90° 35' 24.10"	6.8
	VOR: CSX	Available from N 38° 47' 20.31" W 90° 27' 6.61" to N 38° 49' 27.38" W 90° 35' 24.10"	
	VOR: FTZ	Available from N 38° 47' 20.31" W 90° 27' 6.61" to N 38° 49' 27.38" W 90° 35' 24.10"	
	VOR: STL	Available from N 38° 47' 20.31" W 90° 27' 6.61" to N 38° 49' 27.38" W 90° 35' 24.10"	
	VOR: TOY	Available from N 38° 47' 20.31" W 90° 27' 6.61" to N 38° 49' 27.38" W 90° 35' 24.10"	
3	N 38° 49' 28.91" W 90° 35' 30.12"	N 38° 50' 31.60" W 90° 39' 37.19"	3.4
	VOR: CSX	Available from N 38° 49' 28.91" W 90° 35' 30.12" to N 38° 50' 31.60" W 90° 39' 37.19"	
	VOR: FTZ	Available from N 38° 49' 28.91" W 90° 35' 30.12" to N 38° 50' 31.60" W 90° 39' 37.19"	
	VOR: STL	Available from N 38° 49' 28.91" W 90° 35' 30.12" to N 38° 50' 31.60" W 90° 39' 37.19"	
	VOR: TOY	Available from N 38° 49' 28.91" W 90° 35' 30.12" to N 38° 50' 31.60" W 90° 39' 37.19"	
4	N 38° 50' 36.74" W 90° 39' 57.49"	N 38° 50' 51.14" W 90° 40' 54.31"	0.8
	VOR: CSX	Available from N 38° 50' 36.74" W 90° 39' 57.49" to N 38° 50' 51.14" W 90° 40' 54.31"	
	VOR: FTZ	Available from N 38° 50' 36.74" W 90° 39' 57.49" to N 38° 50' 51.14" W 90° 40' 54.31"	
	VOR: STL	Available from N 38° 50' 36.74" W 90° 39' 57.49" to N 38° 50' 51.14" W 90° 40' 54.31"	
	VOR: TOY	Available from N 38° 50' 36.74" W 90° 39' 57.49" to N 38° 50' 51.14" W 90° 40' 54.31"	

DME/DME (Continued.)

Return To Summary

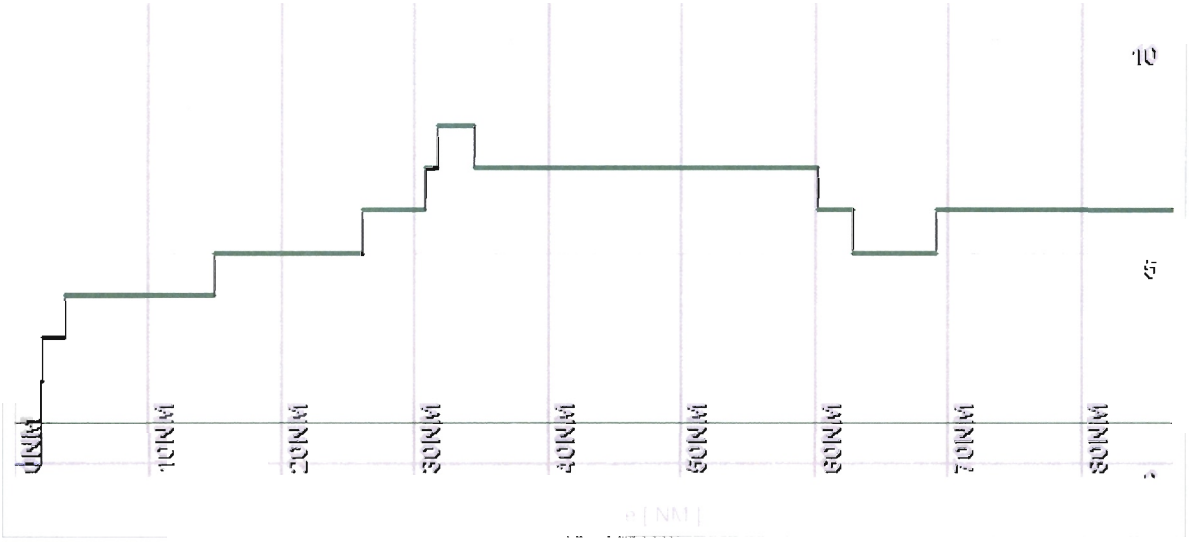
User DMEs

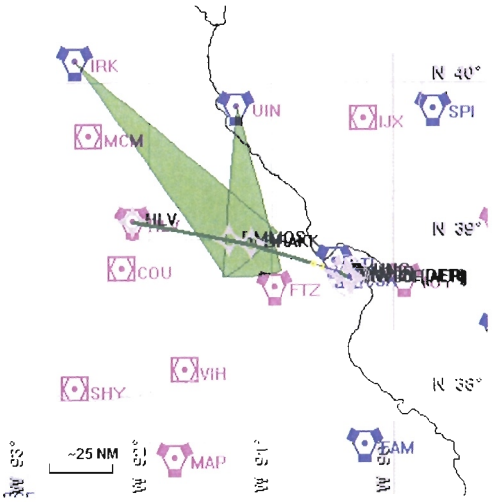
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H	985.0	114.60	IRK	Used
		ESV: Bearing [True]: 130.0° to 145.0° Bearing [Mag]: 124.0° to 139.0°			Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 18000.0 Ft.		
2	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H	715.1	113.60	UIN	Used
		ESV: Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 160.0° to 180.0°			Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/2/2012 9:45:32 AM
Input File:	BRAKK RW30R HLV 2012...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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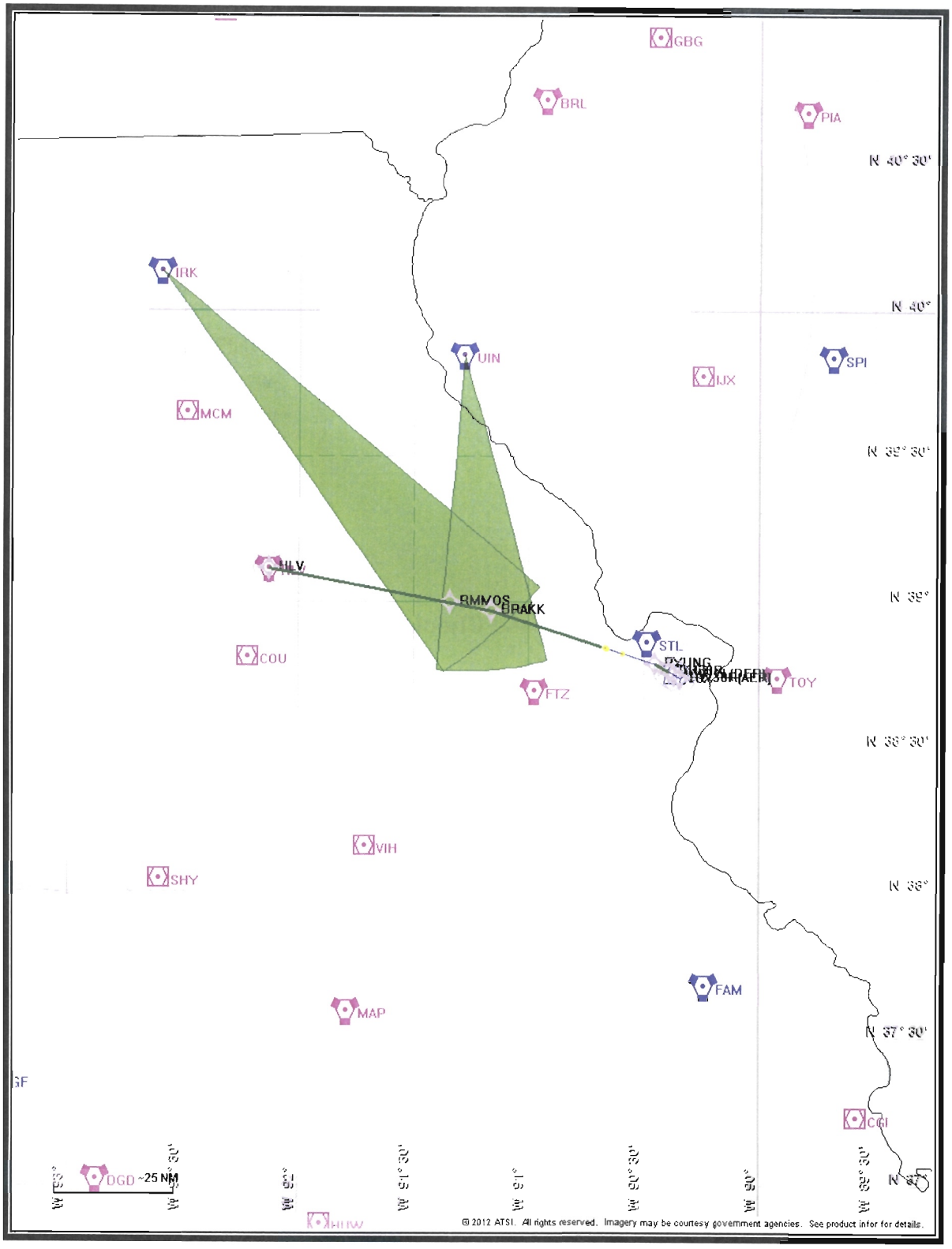
GBG
BRL
PIA
N 40° 30'
IRK
N 40°
UIN
SPI
IJX
MCM
N 39° 30'
HLV
RMMOS
BRAKK
N 39°
STL
COU
TOY
FTZ
N 38° 30'
VIH
SHY
N 38°
FAM
MAP
N 37° 30'
GF
CGI
DGD ~25 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW30R(...	WP	N 38° 44' 18.99" W 90° 20' 22.51"	604.5	VNAV	0.0	Fly Over	TF
RW12L(...	WP	N 38° 45' 6.41" W 90° 21' 58.66"	563.3	VNAV	130.0	Fly Over	VA
GH30R	WP	N 38° 45' 44.27" W 90° 23' 15.48"	1120.0	VNAV	145.0	Fly Over	DF
PYUNG	WP	N 38° 47' 18.73" W 90° 27' 0.07"	2500.0	VNAV	180.0	Fly By	TF
BRAKK	WP	N 38° 58' 4.99" W 91° 9' 44.80"	9514.4	VNAV	180.0	Fly By	TF
RMMOS	WP	N 38° 59' 45.65" W 91° 20' 32.06"	11229.8	VNAV	210.0	Fly By	TF
HLV	WP	N 39° 6' 48.75" W 92° 7' 41.64"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
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
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -19.95 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:

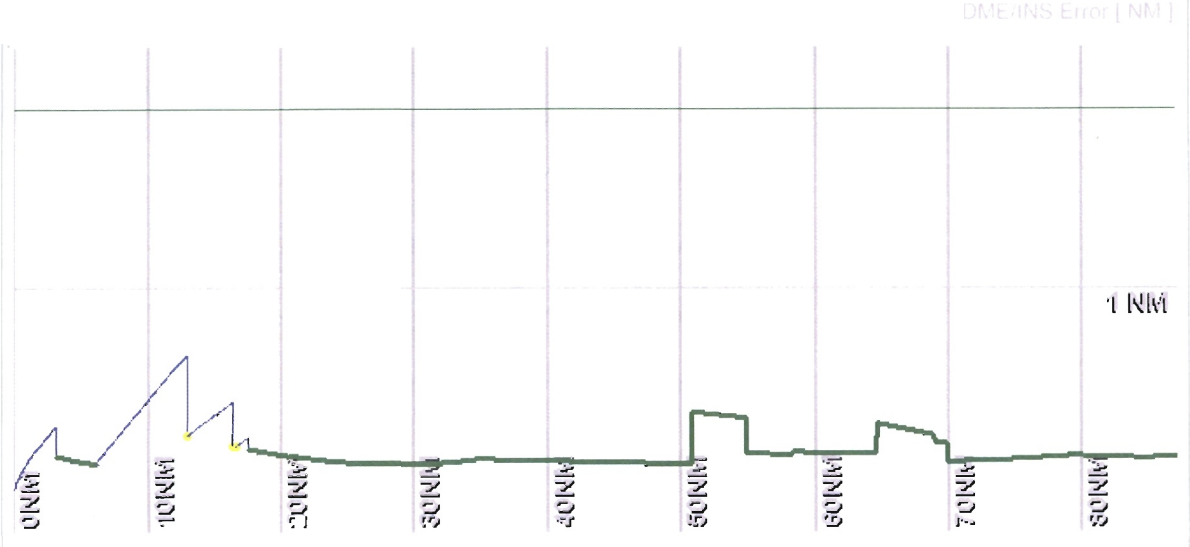
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 1773 Ft.

Total Number of DMEs Used: 8

Maximum DME Error: 0.723 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, UIN, IRK, HLV, COU, MCM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.682	Enabled	29.7 %	30.9 %
2	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	Database	NO	1.263	Enabled	24.4 %	24.9 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.943	Enabled	27.2 %	30.4 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.723	Enabled	0.0 %	0.0 %
5	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H + ESV	User	NO	0.723	Enabled	23.2 %	25.9 %
6	HLV	N 39° 6' 48.75" W 92° 7' 41.64"	L	Database	NO	0.723	Enabled	12.3 %	13.7 %
7	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H + ESV	User	NO	0.723	Enabled	10.9 %	12.1 %
8	COU	N 38° 48' 38.96" W 92° 13' 5.79"	L	Database	NO	0.909	Enabled	26.3 %	29.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.5						
2.6	FTZ	STL	CSX			
5.9	FTZ	STL	CSX	TOY		
30.7	FTZ	STL	CSX	UIN	IRK	
40.8	FTZ	STL	HLV	UIN	IRK	CSX
49.6	FTZ	COU	HLV	UIN	IRK	
64.6	CSX	COU	HLV	UIN	IRK	STL

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 44' 18.99" W 90° 20' 22.51"	N 38° 45' 55.28" W 90° 23' 41.89"	3.1
	VOR: CSX	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 45' 55.28" W 90° 23' 41.89"	
	VOR: FTZ	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 45' 55.28" W 90° 23' 41.89"	
	VOR: STL	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 45' 55.28" W 90° 23' 41.89"	
	VOR: TOY	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 45' 55.28" W 90° 23' 41.89"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 38° 47' 19.91" W 90° 27' 5.04"	N 38° 49' 26.88" W 90° 35' 22.03"	6.8
	VOR: CSX	Available from N 38° 47' 19.91" W 90° 27' 5.04" to N 38° 49' 26.88" W 90° 35' 22.03"	
	VOR: FTZ	Available from N 38° 47' 19.91" W 90° 27' 5.04" to N 38° 49' 26.88" W 90° 35' 22.03"	
	VOR: STL	Available from N 38° 47' 19.91" W 90° 27' 5.04" to N 38° 49' 26.88" W 90° 35' 22.03"	
	VOR: TOY	Available from N 38° 47' 19.91" W 90° 27' 5.04" to N 38° 49' 26.88" W 90° 35' 22.03"	
3	N 38° 49' 28.58" W 90° 35' 28.70"	N 38° 50' 30.98" W 90° 39' 34.68"	3.4
	VOR: CSX	Available from N 38° 49' 28.58" W 90° 35' 28.70" to N 38° 50' 30.98" W 90° 39' 34.68"	
	VOR: FTZ	Available from N 38° 49' 28.58" W 90° 35' 28.70" to N 38° 50' 30.98" W 90° 39' 34.68"	
	VOR: STL	Available from N 38° 49' 28.58" W 90° 35' 28.70" to N 38° 50' 30.98" W 90° 39' 34.68"	
	VOR: TOY	Available from N 38° 49' 28.58" W 90° 35' 28.70" to N 38° 50' 30.98" W 90° 39' 34.68"	
4	N 38° 50' 36.12" W 90° 39' 54.97"	N 38° 50' 51.54" W 90° 40' 55.86"	0.8
	VOR: CSX	Available from N 38° 50' 36.12" W 90° 39' 54.97" to N 38° 50' 51.54" W 90° 40' 55.86"	
	VOR: FTZ	Available from N 38° 50' 36.12" W 90° 39' 54.97" to N 38° 50' 51.54" W 90° 40' 55.86"	
	VOR: STL	Available from N 38° 50' 36.12" W 90° 39' 54.97" to N 38° 50' 51.54" W 90° 40' 55.86"	
	VOR: TOY	Available from N 38° 50' 36.12" W 90° 39' 54.97" to N 38° 50' 51.54" W 90° 40' 55.86"	

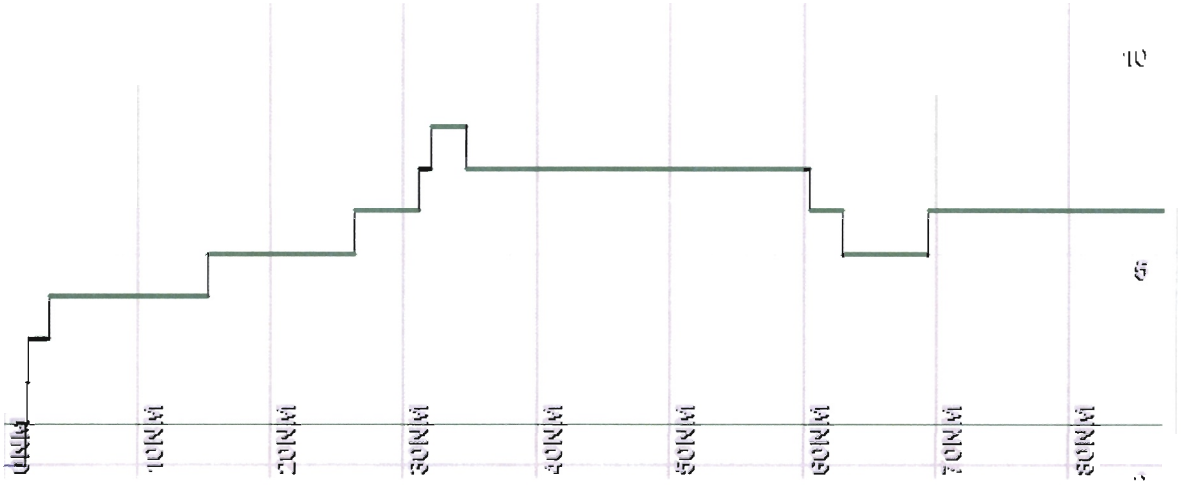
DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRK	N 40° 8' 6.08" W 92° 35' 30.17"	H	985.0	114.60	IRK	Used
		ESV: Bearing [True]: 130.0° to 145.0° Bearing [Mag]: 124.0° to 139.0°			Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 18000.0 Ft.		
2	UIN	N 39° 50' 52.35" W 91° 16' 44.13"	H	715.1	113.60	UIN	Used
		ESV: Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 160.0° to 180.0°			Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 Ft.		

Radar Analysis

Return To Summary

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