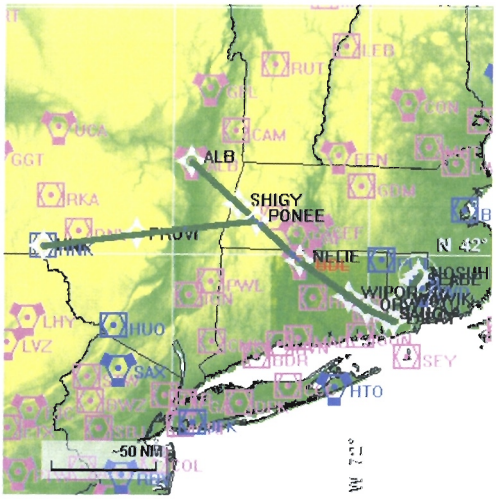

Name:	Joe Bellabona
Project Name:	Tie in fix RWY23
Output File:	STAR ALB LAFAY 20120413_0309
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/13/2012 3:09:56 AM
Input File:	KWST WIPOR STAR ALB LAFAY 20120413_0153.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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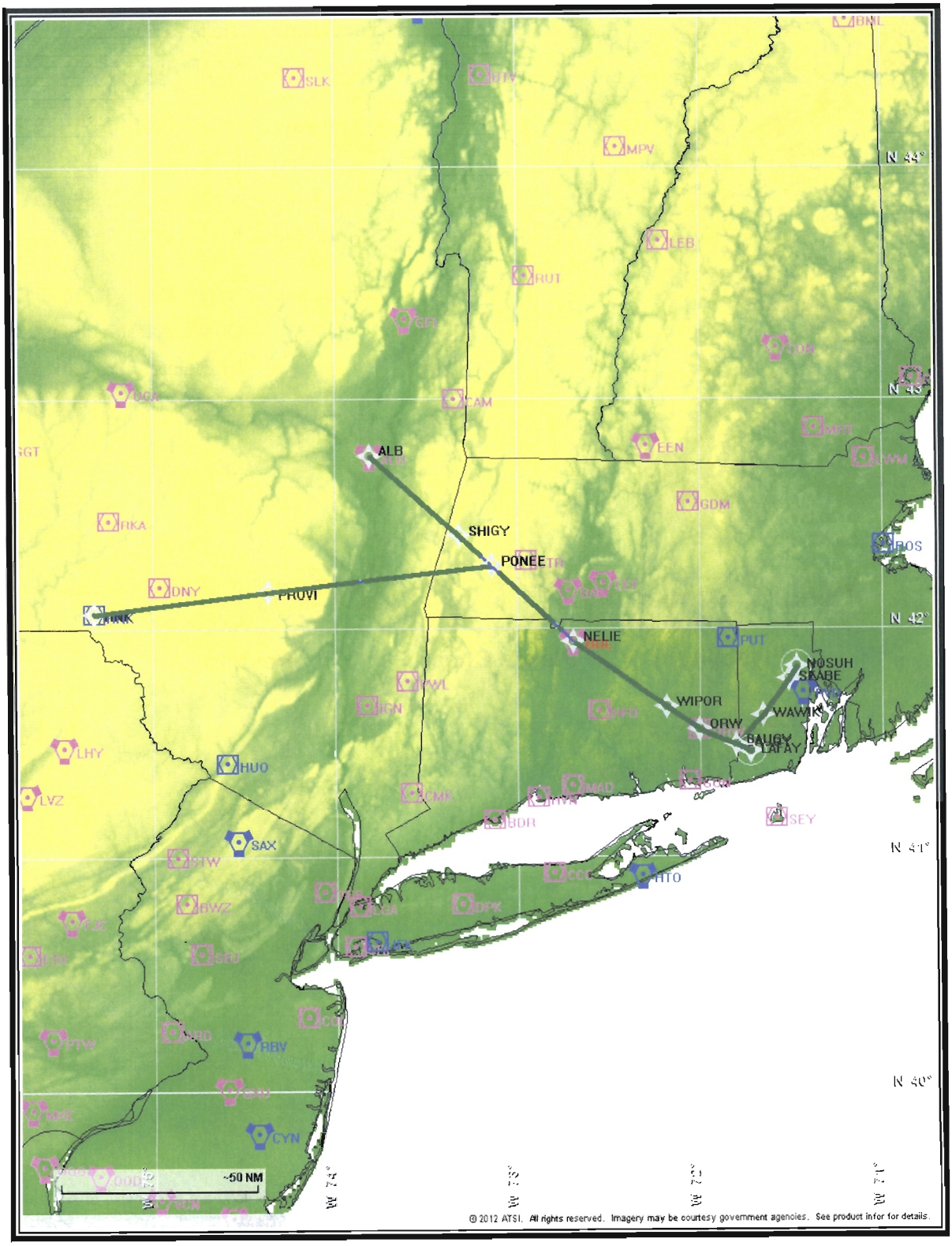
ALB
SHIGY
PONEE
PROVI
NELIE
WIPOR
ORW
BAUGY
LAFAY
NOSUH
SKABE
WAWIK
N 44°
N 43°
N 42°
N 41°
N 40°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ALB	WP	N 42° 44' 50.21" W 73° 48' 11.46"	18000.0	Step	275.0	Fly By	TF
SHIGY	WP	N 42° 23' 57.95" W 73° 19' 0.98"	18000.0	Step	275.0	Fly By	TF
PONEE	WP	N 42° 16' 11.14" W 73° 8' 15.74"	11000.0	Step	265.0	Fly By	TF
NELIE	WP	N 41° 56' 27.64" W 72° 41' 18.88"	10000.0	Step	250.0	Fly By	TF
WIPOR	WP	N 41° 39' 23.07" W 72° 10' 37.67"	9000.0	Step	250.0	Fly By	TF
ORW	WP	N 41° 33' 23.05" W 71° 59' 57.67"	6000.0	Step	220.0	Fly By	TF
SAUGY	WP	N 41° 29' 22.03" W 71° 48' 1.95"	3000.0	Step	220.0	Fly By	TF
LAFAY	WP	N 41° 27' 45.22" W 71° 43' 16.43"	3000.0	Step	220.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
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

Aircraft ALTITUDE at Fly-By WP PONEE too high.

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: 15

Maximum DME Error: 0.674 NM.

No Critical DMEs were found.

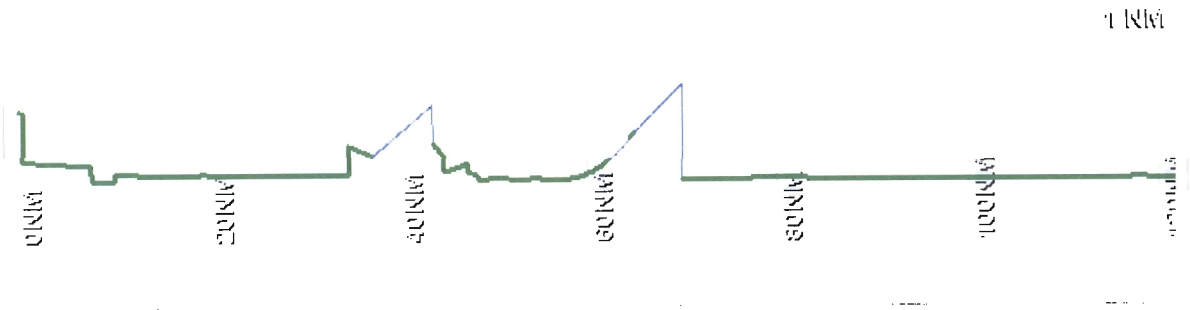
Available DMEs: CAM, HNK, HUO, PUT, ALB, CTR, BAF, PVD, HTO, PWL, HFD, ORW, MAD, GON, SEY

Disabled DMEs: BDL

Foreign DMEs within range: UTR, VLV, YCF, YJN, YOW, YSC, YUL, YXI

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HNK	N 42° 3' 47.01" W 75° 18' 58.62" W 11	H	Database	NO	0.674	Enabled	0.3 %	0.4 %
2	HUO	N 41° 24' 34.87" W 74° 35' 29.74" W 11	H	Database	NO	0.674	Enabled	21.8 %	25.8 %
3	PUT	N 41° 57' 19.66" W 71° 50' 38.74" W 14	H	Database	NO	0.780	Enabled	22.0 %	21.9 %
4	CAM	N 42° 59' 39.44" W 73° 20' 38.47" W 14	L	Database	NO	0.674	Enabled	2.3 %	2.7 %
5	CTR	N 42° 17' 28.75" W 72° 56' 57.82" W 13	L	Database	NO	0.735	Enabled	16.4 %	17.8 %
6	ALB	N 42° 44' 50.21" W 73° 48' 11.46" W 13	L	Database	NO	0.674	Enabled	10.6 %	12.5 %
7	HTO	N 40° 55' 8.38" W 72° 19' 0.14" W 13	H	Database	NO	0.674	Enabled	1.9 %	2.1 %
8	BAF	N 42° 9' 43.06" W 72° 42' 58.31" W 14	L	Database	NO	1.094	Enabled	21.4 %	20.0 %
9	PWL	N 41° 46' 11.18" W 73° 36' 1.99" W 12	L	Database	NO	0.674	Enabled	3.3 %	3.0 %
10	HFD	N 41° 38' 27.98" W 72° 32' 50.70" W 13	L	Database	NO	0.674	Enabled	22.9 %	21.1 %
11	MAD	N 41° 18' 49.81" W 72° 41' 31.89" W 13	L	Database	NO	0.674	Enabled	10.5 %	9.7 %
12	ORW	N 41° 33' 23.05" W 71° 59' 57.67" W 14	L	Database	NO	0.872	Enabled	13.2 %	12.2 %
13	GON	N 41° 19' 49.45" W 72° 3' 7.14" W 14	T	Database	NO	0.674	Enabled	12.1 %	11.1 %
14	PVD	N 41° 43' 27.64" W 71° 25' 46.67" W 14	H	Database	NO	0.674	Enabled	9.1 %	8.4 %
15	SEY	N 41° 10' 2.77" W 71° 34' 33.91" W 15	L	Database	NO	0.674	Enabled	9.8 %	9.0 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	HNK	HUO	PUT	CAM	CTR	ALB
10.1	ALB	HUO	PUT	CAM	CTR	BAF
30.0	ALB	HUO	HTO	BAF	CTR	PVD
41.2	HFD	ORW	PWL	BAF	CTR	
68.9	HFD	ORW	PUT	BAF	MAD	CTR
97.9	HFD	GON	PVD	SEY	MAD	PUT

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
117.7	HFD	GON	ORW	SEY	PUT	PVD

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 42° 18' 49.87" W 73° 11' 54.64"	N 42° 14' 29.77" W 73° 5' 56.27"	6.2
	VOR: ALB	Available from N 42° 18' 49.87" W 73° 11' 54.64" to N 42° 17' 0.85" W 73° 9' 24.23"	
	VOR: BAF	Available from N 42° 18' 49.87" W 73° 11' 54.64" to N 42° 14' 29.77" W 73° 5' 56.27"	
	VOR: BDL	Available from N 42° 18' 49.87" W 73° 11' 54.64" to N 42° 14' 29.77" W 73° 5' 56.27"	
	VOR: CEF	Available from N 42° 18' 49.87" W 73° 11' 54.64" to N 42° 14' 29.77" W 73° 5' 56.27"	
	VOR: CTR	Available from N 42° 18' 49.87" W 73° 11' 54.64" to N 42° 14' 29.77" W 73° 5' 56.27"	
	VOR: PWL	Available from N 42° 18' 49.87" W 73° 11' 54.64" to N 42° 14' 29.77" W 73° 5' 56.27"	
2	N 42° 1' 29.48" W 72° 48' 8.75"	N 41° 59' 58.17" W 72° 46' 4.57"	2.2
	VOR: BAF	Available from N 42° 1' 29.48" W 72° 48' 8.75" to N 41° 59' 58.17" W 72° 46' 4.57"	
	VOR: BDL	Available from N 42° 1' 29.48" W 72° 48' 8.75" to N 41° 59' 58.17" W 72° 46' 4.57"	
	VOR: CEF	Available from N 42° 1' 29.48" W 72° 48' 8.75" to N 41° 59' 58.17" W 72° 46' 4.57"	
	VOR: CTR	Available from N 42° 1' 29.48" W 72° 48' 8.75" to N 41° 59' 58.17" W 72° 46' 4.57"	
	VOR: HFD	Available from N 42° 1' 29.48" W 72° 48' 8.75" to N 41° 59' 58.17" W 72° 46' 4.57"	
	VOR: PWL	Available from N 42° 1' 29.48" W 72° 48' 8.75" to N 41° 59' 58.17" W 72° 46' 4.57"	

DME/DME (Continued.)

Return To Summary

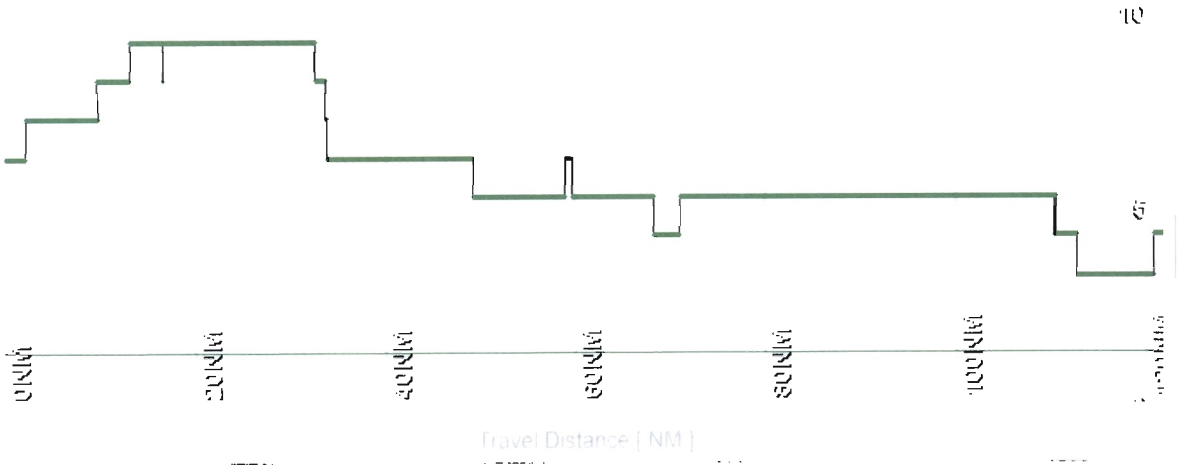
Inertial Drift Segments (Continued.)

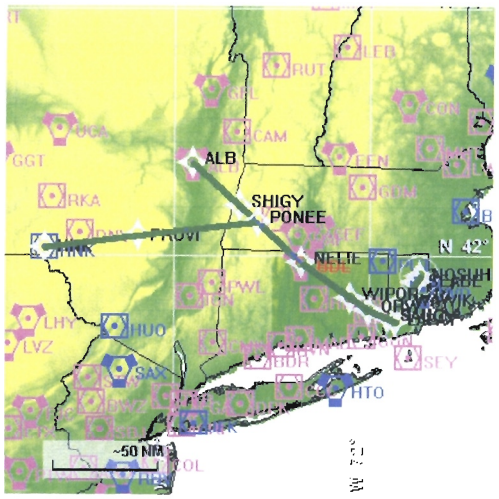
#	Start Location	End Location	Length [NM]
3	N 41° 59' 34.75" W 72° 45' 32.75"	N 41° 56' 7.12" W 72° 40' 42.74"	5.0
	VOR: BAF	Available from N 41° 59' 34.75" W 72° 45' 32.75" to N 41° 56' 7.12" W 72° 40' 42.74"	
	VOR: BDL	Available from N 41° 59' 34.75" W 72° 45' 32.75" to N 41° 56' 7.12" W 72° 40' 42.74"	
	VOR: CEF	Available from N 41° 59' 34.75" W 72° 45' 32.75" to N 41° 56' 7.12" W 72° 40' 42.74"	
	VOR: CTR	Available from N 41° 59' 34.75" W 72° 45' 32.75" to N 41° 56' 7.12" W 72° 40' 42.74"	
	VOR: HFD	Available from N 41° 59' 34.75" W 72° 45' 32.75" to N 41° 56' 7.12" W 72° 40' 42.74"	
	VOR: MAD	Available from N 41° 58' 45.56" W 72° 44' 25.94" to N 41° 56' 7.12" W 72° 40' 42.74"	
	VOR: PUT	Available from N 41° 58' 36.19" W 72° 44' 13.22" to N 41° 56' 7.12" W 72° 40' 42.74"	
	VOR: ORW	Available from N 41° 57' 25.90" W 72° 42' 37.83" to N 41° 56' 7.12" W 72° 40' 42.74"	

Radar Analysis

Return To Summary

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





Name:	Joe Bellabona
Project Name:	Tie in fix RWY23
Output File:	STAR HNK LAFAY 20120413_0310
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/13/2012 3:10:24 AM
Input File:	KWST WIPOR STAR HNK LAFAY 20120413_0154.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓
DME/DME	✓
Radars	✓
Comms	
TERPS	

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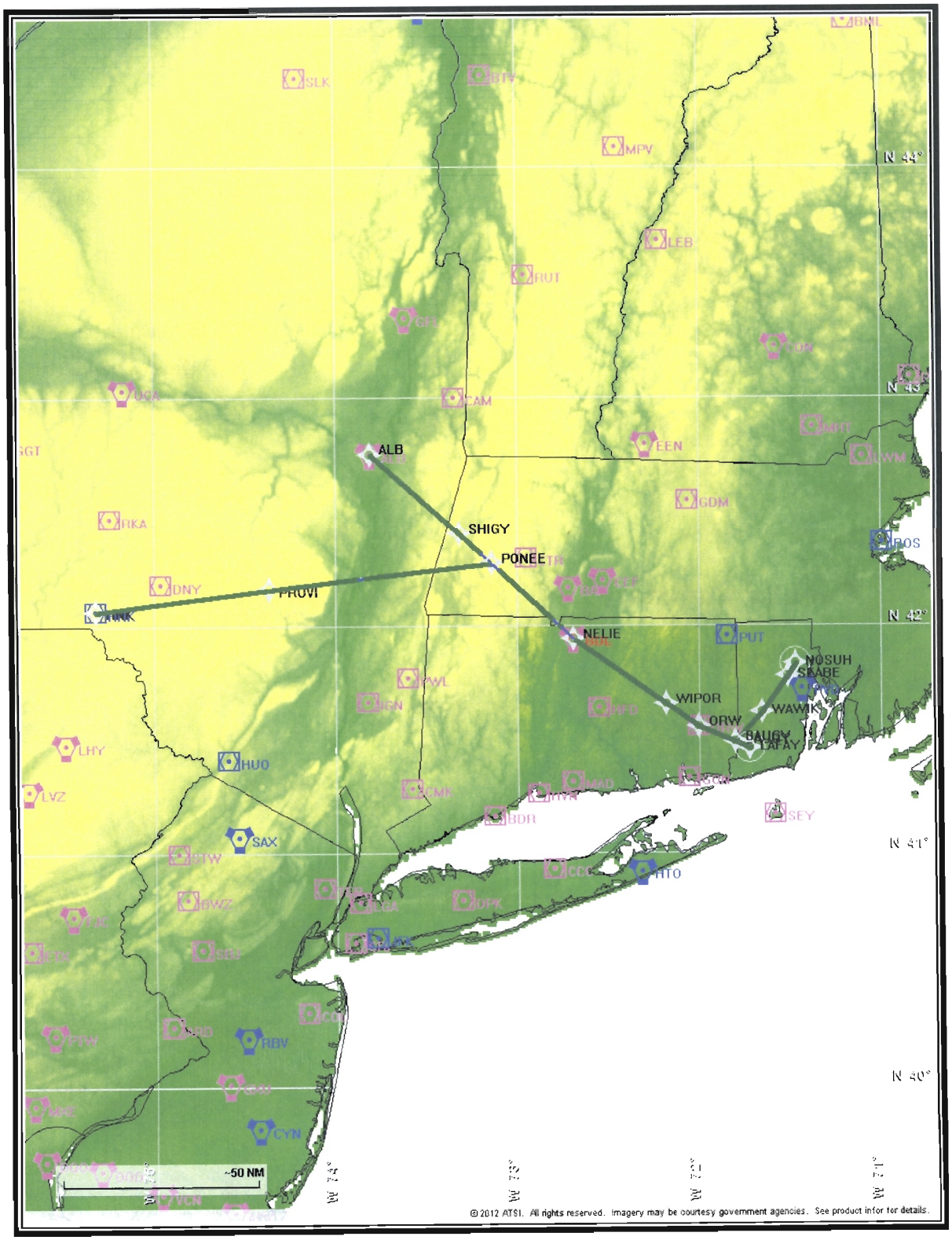
SLK
BTV
MPV
LEB
RUT
GFL
CON
UCA
CAM
EEN
ALB
SHIGY
PONEE
GDM
RKA
PROVI
DNY
HNK
NELIE
PUT
NOSUH
SKABE
PWL
IGN
WIPOR
ORW
WAWKA
BAUGY
LAFAY
LHY
HUO
LVZ
CMK
BDR
SEY
SAX
HTO
DPK
RBV
CYN
~50 NM
N 44°
N 43°
N 42°
N 41°
N 40°
W 75°
W 74°
W 73°
W 72°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
HNK	WP	N 42° 3' 47.01" W 75° 18' 58.62"	18000.0	Step	275.0	Fly By	TF
PROVI	WP	N 42° 9' 31.81" W 74° 21' 44.08"	18000.0	Step	275.0	Fly By	TF
PONEE	WP	N 42° 16' 11.14" W 73° 8' 15.74"	11000.0	Step	260.0	Fly By	TF
NELIE	WP	N 41° 56' 27.64" W 72° 41' 18.88"	10000.0	Step	250.0	Fly By	TF
WIPOR	WP	N 41° 39' 23.07" W 72° 10' 37.67"	9000.0	Step	250.0	Fly By	TF
ORW	WP	N 41° 33' 23.05" W 71° 59' 57.67"	6000.0	Step	220.0	Fly By	TF
SAUGY	WP	N 41° 29' 22.03" W 71° 48' 1.95"	3000.0	Step	220.0	Fly By	TF
LAFAY	WP	N 41° 27' 45.22" W 71° 43' 16.43"	3000.0	Step	220.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
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: 20

Maximum DME Error: 0.675 NM.

No Critical DMEs were found.

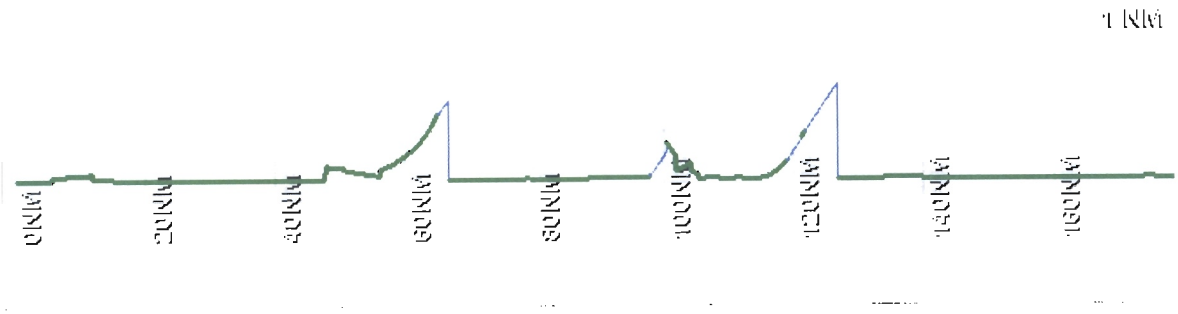
Available DMEs: CFB, DNY, HUO, LHY, RKA, SAX, SYR, HNK, JFK, IGN, PWL, ALB, CTR, BAF, HFD, ORW, PUT, MAD, PVD, GON, SEY

Disabled DMEs: BDL

Foreign DMEs within range: UTR, YCF, YJN, YOW, YUL, YWT, YXI, YYZ, YSC, VLV

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CFB	N 42° 9' 26.95" W 76° 8' 11.30" W 10	L	Database	NO	0.675	Enabled	0.8 %	0.9 %
2	RKA	N 42° 27' 58.91" W 75° 14' 21.51" W 11	L	Database	NO	0.675	Enabled	1.0 %	1.2 %
3	DNY	N 42° 10' 41.81" W 74° 57' 24.99" W 11	L	Database	NO	0.744	Enabled	16.0 %	18.0 %
4	SAX	N 41° 4' 3.16" W 74° 32' 17.93" W 11	H	Database	NO	0.675	Enabled	16.7 %	19.2 %
5	SYR	N 43° 9' 37.90" W 76° 12' 16.44" W 11	H	Database	NO	0.675	Enabled	3.0 %	3.4 %
6	HNK	N 42° 3' 47.01" W 75° 18' 58.62" W 11	H	Database	NO	0.675	Enabled	10.7 %	12.4 %
7	HUO	N 41° 24' 34.87" W 74° 35' 29.74" W 11	H	Database	NO	0.675	Enabled	2.4 %	2.8 %
8	JFK	N 40° 37' 58.40" W 73° 46' 17.00" W 12	H	Database	NO	0.675	Enabled	1.5 %	1.6 %
9	IGN	N 41° 39' 55.61" W 73° 49' 20.00" W 12	L	Database	NO	0.675	Enabled	3.0 %	3.3 %
10	ALB	N 42° 44' 50.21" W 73° 48' 11.46" W 13	L	Database	NO	0.675	Enabled	8.0 %	8.5 %
11	PWL	N 41° 46' 11.18" W 73° 36' 1.99" W 12	L	Database	NO	0.809	Enabled	19.8 %	20.8 %
12	CTR	N 42° 17' 28.75" W 72° 56' 57.82" W 13	L	Database	NO	0.940	Enabled	11.7 %	11.6 %
13	BAF	N 42° 9' 43.06" W 72° 42' 58.31" W 14	L	Database	NO	1.096	Enabled	25.0 %	24.0 %
14	HFD	N 41° 38' 27.98" W 72° 32' 50.70" W 13	L	Database	NO	0.675	Enabled	16.1 %	14.4 %
15	PUT	N 41° 57' 19.66" W 71° 50' 38.74" W 14	H	Database	NO	0.719	Enabled	11.6 %	10.3 %

DME/DME (Continued.)

Return To Summary

DMEs Used (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
16	MAD	N 41° 18' 49.81" W 72° 41' 31.89" W 13	L	Database	NO	0.675	Enabled	7.4 %	6.6 %
17	ORW	N 41° 33' 23.05" W 71° 59' 57.67" W 14	L	Database	NO	0.873	Enabled	9.3 %	8.3 %
18	GON	N 41° 19' 49.45" W 72° 3' 7.14" W 14	T	Database	NO	0.675	Enabled	8.6 %	7.6 %
19	PVD	N 41° 43' 27.64" W 71° 25' 46.67" W 14	H	Database	NO	0.675	Enabled	6.4 %	5.7 %
20	SEY	N 41° 10' 2.77" W 71° 34' 33.91" W 15	L	Database	NO	0.675	Enabled	6.8 %	6.1 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	DNY	SYR	SAX	CFB	RKA	HUO
10.1	DNY	SYR	SAX	HNK	RKA	HUO
20.2	DNY	SYR	SAX	HNK	HUO	RKA
43.0	DNY	IGN	SAX	ALB	JFK	HUO
56.0	CTR	IGN	PWL	ALB	BAF	
96.9	CTR	ORW	PWL	HFD	BAF	
125.7	MAD	ORW	PUT	HFD	BAF	CTR
154.6	MAD	SEY	GON	HFD	PVD	PUT
164.2	PUT	SEY	GON	HFD	PVD	ORW
174.4	PUT	SEY	GON	HFD	ORW	PVD

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 42° 12' 17.55" W 73° 52' 20.21"	N 42° 12' 29.77" W 73° 50' 6.66"	1.7
	VOR: ALB	Available from N 42° 12' 17.55" W 73° 52' 20.21" to N 42° 12' 29.77" W 73° 50' 6.66"	
	VOR: IGN	Available from N 42° 12' 17.55" W 73° 52' 20.21" to N 42° 12' 29.77" W 73° 50' 6.66"	
	VOR: PWL	Available from N 42° 12' 17.55" W 73° 52' 20.21" to N 42° 12' 29.77" W 73° 50' 6.66"	
	VOR: CTR	Available from N 42° 12' 28.30" W 73° 50' 22.69" to N 42° 12' 29.77" W 73° 50' 6.66"	
2	N 42° 16' 3.35" W 73° 8' 45.43"	N 42° 14' 31.89" W 73° 5' 58.31"	2.6
	VOR: BAF	Available from N 42° 16' 3.35" W 73° 8' 45.43" to N 42° 14' 31.89" W 73° 5' 58.31"	
	VOR: BDL	Available from N 42° 16' 3.35" W 73° 8' 45.43" to N 42° 14' 31.89" W 73° 5' 58.31"	
	VOR: CEF	Available from N 42° 16' 3.35" W 73° 8' 45.43" to N 42° 14' 31.89" W 73° 5' 58.31"	
	VOR: CTR	Available from N 42° 16' 3.35" W 73° 8' 45.43" to N 42° 14' 31.89" W 73° 5' 58.31"	
	VOR: PWL	Available from N 42° 16' 3.35" W 73° 8' 45.43" to N 42° 14' 31.89" W 73° 5' 58.31"	

DME/DME (Continued.)

Return To Summary

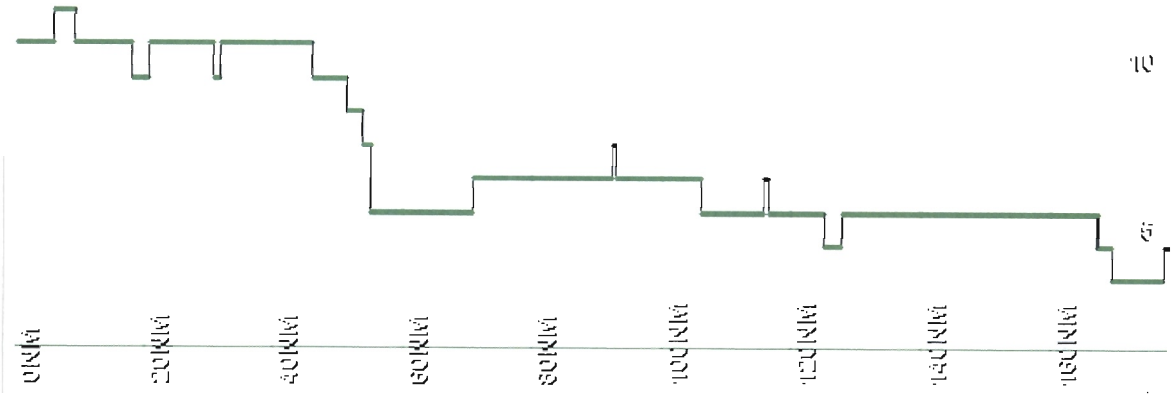
Inertial Drift Segments (Continued.)

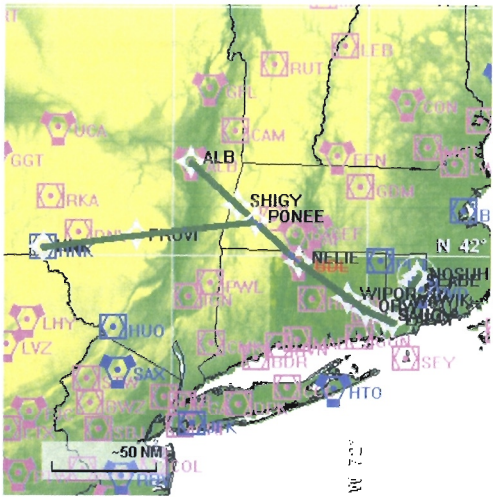
#	Start Location	End Location	Length [NM]
3	N 42° 1' 31.22" W 72° 48' 11.06"	N 41° 59' 59.90" W 72° 46' 6.89"	2.2
	VOR: BAF	Available from N 42° 1' 31.22" W 72° 48' 11.06" to N 41° 59' 59.90" W 72° 46' 6.89"	
	VOR: BDL	Available from N 42° 1' 31.22" W 72° 48' 11.06" to N 41° 59' 59.90" W 72° 46' 6.89"	
	VOR: CEF	Available from N 42° 1' 31.22" W 72° 48' 11.06" to N 41° 59' 59.90" W 72° 46' 6.89"	
	VOR: CTR	Available from N 42° 1' 31.22" W 72° 48' 11.06" to N 41° 59' 59.90" W 72° 46' 6.89"	
	VOR: HFD	Available from N 42° 1' 31.22" W 72° 48' 11.06" to N 41° 59' 59.90" W 72° 46' 6.89"	
	VOR: PWL	Available from N 42° 1' 31.22" W 72° 48' 11.06" to N 41° 59' 59.90" W 72° 46' 6.89"	
4	N 41° 59' 34.14" W 72° 45' 31.88"	N 41° 56' 6.58" W 72° 40' 41.79"	5.0
	VOR: BAF	Available from N 41° 59' 34.14" W 72° 45' 31.88" to N 41° 56' 6.58" W 72° 40' 41.79"	
	VOR: BDL	Available from N 41° 59' 34.14" W 72° 45' 31.88" to N 41° 56' 6.58" W 72° 40' 41.79"	
	VOR: CEF	Available from N 41° 59' 34.14" W 72° 45' 31.88" to N 41° 56' 6.58" W 72° 40' 41.79"	
	VOR: CTR	Available from N 41° 59' 34.14" W 72° 45' 31.88" to N 41° 56' 6.58" W 72° 40' 41.79"	
	VOR: HFD	Available from N 41° 59' 34.14" W 72° 45' 31.88" to N 41° 56' 6.58" W 72° 40' 41.79"	
	VOR: MAD	Available from N 41° 58' 47.29" W 72° 44' 28.26" to N 41° 56' 6.58" W 72° 40' 41.79"	
	VOR: PUT	Available from N 41° 58' 35.57" W 72° 44' 12.36" to N 41° 56' 6.58" W 72° 40' 41.79"	
	VOR: ORW	Available from N 41° 57' 25.27" W 72° 42' 36.98" to N 41° 56' 6.58" W 72° 40' 41.79"	

Radar Analysis

Return To Summary

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





Name:	Joe Bellabona
Project Name:	Tie in fix RWY23
Output File:	STAR HNK NOSUH 20120413_0309
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/13/2012 3:09:27 AM
Input File:	KSFZ WIPOR STAR HNK NOSUH 20120413_0148.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓
DME/DME	✓
Radars	✓
Comms	
TERPS	

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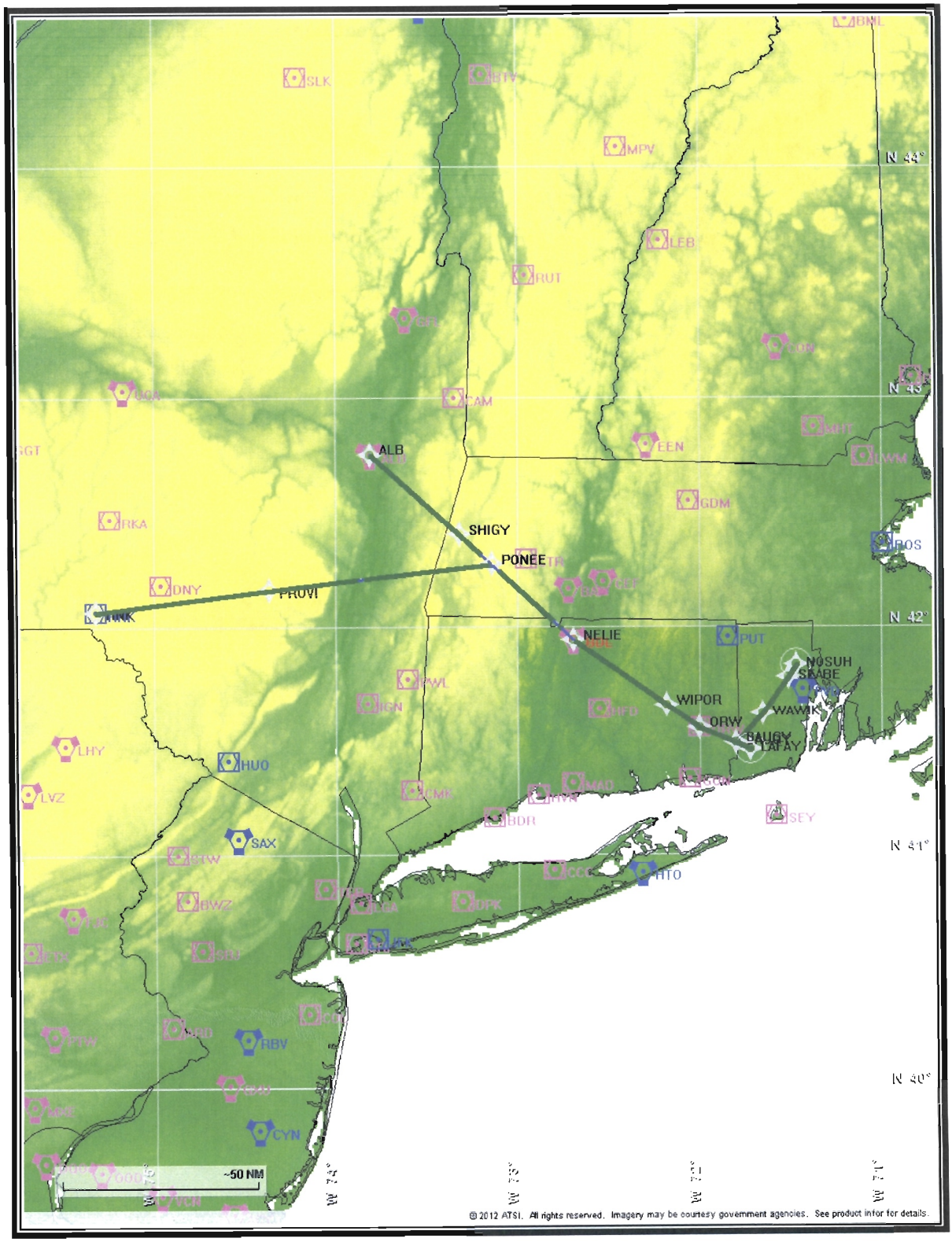
SLK
BTV
BNL
MPV
N 44°
LEB
RUT
GFL
CON
UCA
CAM
N 43°
MHT
EEN
ALB
UWM
GDM
RKA
SHIGY
PONEE
ROS
ORW
PROVI
HNK
N 42°
NELIE
PUT
NOSUH
SKABE
WIPOR
WAWKA
BAUGY
LAFAY
HFD
LHY
HUO
LVZ
SAX
SEY
HTO
N 41°
RBV
CYN
N 40°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
HNK	WP	N 42° 3' 47.01" W 75° 18' 58.62"	18000.0	Step	250.0	Fly By	TF
PROVI	WP	N 42° 9' 31.81" W 74° 21' 44.08"	18000.0	Step	240.0	Fly By	TF
PONEE	WP	N 42° 16' 11.14" W 73° 8' 15.74"	11000.0	Step	210.0	Fly By	TF
NELIE	WP	N 41° 56' 27.64" W 72° 41' 18.88"	10000.0	Step	180.0	Fly By	TF
WIPOR	WP	N 41° 39' 23.07" W 72° 10' 37.67"	9000.0	Step	180.0	Fly By	TF
ORW	WP	N 41° 33' 23.05" W 71° 59' 57.67"	6000.0	Step	180.0	Fly By	TF
SAUGY	WP	N 41° 29' 22.03" W 71° 48' 1.95"	3000.0	Step	180.0	Fly By	TF
WAWIK	WP	N 41° 37' 11.58" W 71° 39' 9.45"	3000.0	Step	180.0	Fly By	TF
SEABE	WP	N 41° 46' 44.52" W 71° 30' 42.26"	3000.0	Step	180.0	Fly By	TF
NOSUH	WP	N 41° 49' 57.59" W 71° 27' 59.51"	2000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
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: 20

Maximum DME Error: 0.675 NM.

No Critical DMEs were found.

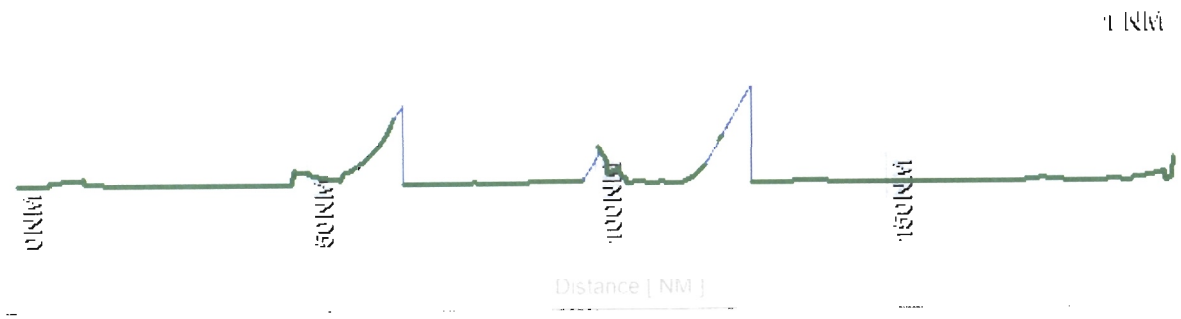
Available DMEs: CFB, DNY, HUO, LHY, RKA, SAX, SYR, HNK, JFK, IGN, PWL, ALB, CTR, BAF, HFD, ORW, PUT, MAD, PVD, GON, SEY

Disabled DMEs: BDL

Foreign DMEs within range: UTR, YCF, YJN, YOW, YUL, YWT, YXI, YYZ, YSC, VLV

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CFB	N 42° 9' 26.95" W 76° 8' 11.30" W 10	L	Database	NO	0.675	Enabled	0.7 %	0.8 %
2	RKA	N 42° 27' 58.91" W 75° 14' 21.51" W 11	L	Database	NO	0.675	Enabled	0.9 %	1.0 %
3	DNY	N 42° 10' 41.81" W 74° 57' 24.99" W 11	L	Database	NO	0.744	Enabled	14.1 %	16.1 %
4	SAX	N 41° 4' 3.16" W 74° 32' 17.93" W 11	H	Database	NO	0.675	Enabled	14.7 %	17.1 %
5	SYR	N 43° 9' 37.90" W 76° 12' 16.44" W 11	H	Database	NO	0.675	Enabled	2.6 %	3.1 %
6	HNK	N 42° 3' 47.01" W 75° 18' 58.62" W 11	H	Database	NO	0.675	Enabled	9.4 %	11.1 %
7	HUO	N 41° 24' 34.87" W 74° 35' 29.74" W 11	H	Database	NO	0.675	Enabled	2.2 %	2.5 %
8	JFK	N 40° 37' 58.40" W 73° 46' 17.00" W 12	H	Database	NO	0.675	Enabled	1.3 %	1.4 %
9	IGN	N 41° 39' 55.61" W 73° 49' 20.00" W 12	L	Database	NO	0.675	Enabled	2.7 %	2.9 %
10	ALB	N 42° 44' 50.21" W 73° 48' 11.46" W 13	L	Database	NO	0.675	Enabled	7.0 %	7.6 %
11	PWL	N 41° 46' 11.18" W 73° 36' 1.99" W 12	L	Database	NO	0.809	Enabled	17.5 %	18.6 %
12	CTR	N 42° 17' 28.75" W 72° 56' 57.82" W 13	L	Database	NO	0.940	Enabled	10.3 %	10.4 %
13	BAF	N 42° 9' 43.06" W 72° 42' 58.31" W 14	L	Database	NO	1.096	Enabled	22.0 %	21.4 %
14	HFD	N 41° 38' 27.98" W 72° 32' 50.70" W 13	L	Database	NO	0.675	Enabled	14.2 %	12.8 %
15	PUT	N 41° 57' 19.66" W 71° 50' 38.74" W 14	H	Database	NO	0.719	Enabled	18.3 %	16.5 %

DME/DME (Continued.)

Return To Summary

DMEs Used (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
16	MAD	N 41° 18' 49.81" W 72° 41' 31.89" W 13	L	Database	NO	0.675	Enabled	6.5 %	5.9 %
17	ORW	N 41° 33' 23.05" W 71° 59' 57.67" W 14	L	Database	NO	0.873	Enabled	17.2 %	15.5 %
18	GON	N 41° 19' 49.45" W 72° 3' 7.14" W 14	T	Database	NO	0.675	Enabled	5.4 %	4.8 %
19	PVD	N 41° 43' 27.64" W 71° 25' 46.67" W 14	H	Database	NO	0.675	Enabled	11.4 %	10.3 %
20	SEY	N 41° 10' 2.77" W 71° 34' 33.91" W 15	L	Database	NO	0.675	Enabled	9.1 %	8.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	DNY	SYR	SAX	CFB	RKA	HUO
10.1	DNY	SYR	SAX	HNK	RKA	HUO
20.2	DNY	SYR	SAX	HNK	HUO	RKA
43.0	DNY	IGN	SAX	ALB	JFK	HUO
56.0	CTR	IGN	PWL	ALB	BAF	
96.9	CTR	ORW	PWL	HFD	BAF	
125.7	MAD	ORW	PUT	HFD	BAF	CTR
154.6	MAD	SEY	GON	HFD	PVD	PUT
164.2	PUT	SEY	GON	HFD	PVD	ORW
173.2	PUT	SEY	GON	ORW	PVD	HFD
184.1	PUT	SEY	PVD	ORW		
195.7	PUT	SEY	PVD	ORW		

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 42° 12' 17.55" W 73° 52' 20.23"	N 42° 12' 29.77" W 73° 50' 6.68"	1.7
	VOR: ALB	Available from N 42° 12' 17.55" W 73° 52' 20.23" to N 42° 12' 29.77" W 73° 50' 6.68"	
	VOR: IGN	Available from N 42° 12' 17.55" W 73° 52' 20.23" to N 42° 12' 29.77" W 73° 50' 6.68"	
	VOR: PWL	Available from N 42° 12' 17.55" W 73° 52' 20.23" to N 42° 12' 29.77" W 73° 50' 6.68"	
	VOR: CTR	Available from N 42° 12' 28.30" W 73° 50' 22.71" to N 42° 12' 29.77" W 73° 50' 6.68"	
2	N 42° 16' 3.34" W 73° 8' 45.45"	N 42° 14' 31.89" W 73° 5' 58.32"	2.6
	VOR: BAF	Available from N 42° 16' 3.34" W 73° 8' 45.45" to N 42° 14' 31.89" W 73° 5' 58.32"	
	VOR: BDL	Available from N 42° 16' 3.34" W 73° 8' 45.45" to N 42° 14' 31.89" W 73° 5' 58.32"	
	VOR: CEF	Available from N 42° 16' 3.34" W 73° 8' 45.45" to N 42° 14' 31.89" W 73° 5' 58.32"	
	VOR: CTR	Available from N 42° 16' 3.34" W 73° 8' 45.45" to N 42° 14' 31.89" W 73° 5' 58.32"	
	VOR: PWL	Available from N 42° 16' 3.34" W 73° 8' 45.45" to N 42° 14' 31.89" W 73° 5' 58.32"	

DME/DME (Continued.)

Return To Summary

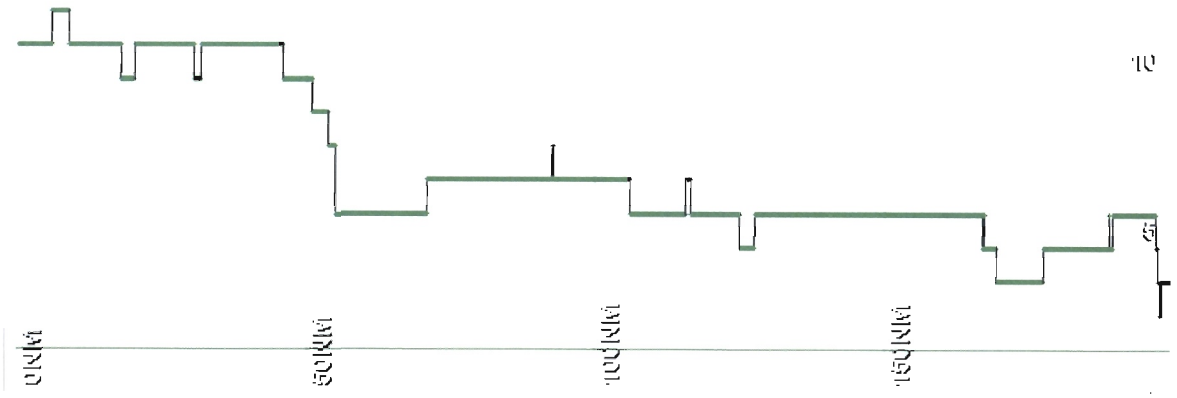
Inertial Drift Segments (Continued.)

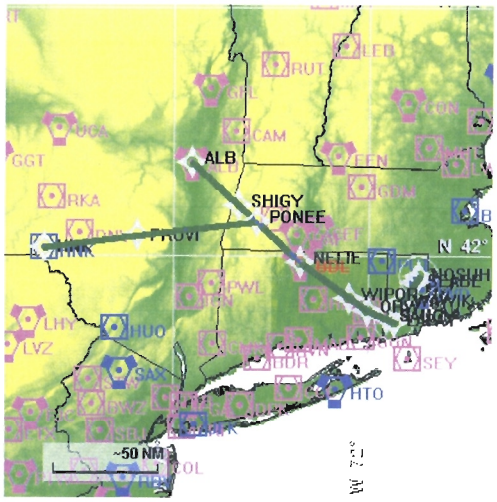
#	Start Location	End Location	Length [NM]
3	N 42° 1' 31.23" W 72° 48' 11.07"	N 41° 59' 59.91" W 72° 46' 6.90"	2.2
	VOR: BAF	Available from N 42° 1' 31.23" W 72° 48' 11.07" to N 41° 59' 59.91" W 72° 46' 6.90"	
	VOR: BDL	Available from N 42° 1' 31.23" W 72° 48' 11.07" to N 41° 59' 59.91" W 72° 46' 6.90"	
	VOR: CEF	Available from N 42° 1' 31.23" W 72° 48' 11.07" to N 41° 59' 59.91" W 72° 46' 6.90"	
	VOR: CTR	Available from N 42° 1' 31.23" W 72° 48' 11.07" to N 41° 59' 59.91" W 72° 46' 6.90"	
	VOR: HFD	Available from N 42° 1' 31.23" W 72° 48' 11.07" to N 41° 59' 59.91" W 72° 46' 6.90"	
	VOR: PWL	Available from N 42° 1' 31.23" W 72° 48' 11.07" to N 41° 59' 59.91" W 72° 46' 6.90"	
4	N 41° 59' 34.14" W 72° 45' 31.89"	N 41° 56' 6.59" W 72° 40' 41.80"	5.0
	VOR: BAF	Available from N 41° 59' 34.14" W 72° 45' 31.89" to N 41° 56' 6.59" W 72° 40' 41.80"	
	VOR: BDL	Available from N 41° 59' 34.14" W 72° 45' 31.89" to N 41° 56' 6.59" W 72° 40' 41.80"	
	VOR: CEF	Available from N 41° 59' 34.14" W 72° 45' 31.89" to N 41° 56' 6.59" W 72° 40' 41.80"	
	VOR: CTR	Available from N 41° 59' 34.14" W 72° 45' 31.89" to N 41° 56' 6.59" W 72° 40' 41.80"	
	VOR: HFD	Available from N 41° 59' 34.14" W 72° 45' 31.89" to N 41° 56' 6.59" W 72° 40' 41.80"	
	VOR: MAD	Available from N 41° 58' 47.29" W 72° 44' 28.27" to N 41° 56' 6.59" W 72° 40' 41.80"	
	VOR: PUT	Available from N 41° 58' 35.58" W 72° 44' 12.37" to N 41° 56' 6.59" W 72° 40' 41.80"	
	VOR: ORW	Available from N 41° 57' 25.28" W 72° 42' 36.99" to N 41° 56' 6.59" W 72° 40' 41.80"	

Radar Analysis

Return To Summary

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





Name:	Joe Bellabona
Project Name:	Tie in fix RWY23
Output File:	STAR ALB NOSUH 20120413_0308
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/13/2012 3:08:56 AM
Input File:	KSFZ WIPOR STAR ALB NOSUH 20120413_0143.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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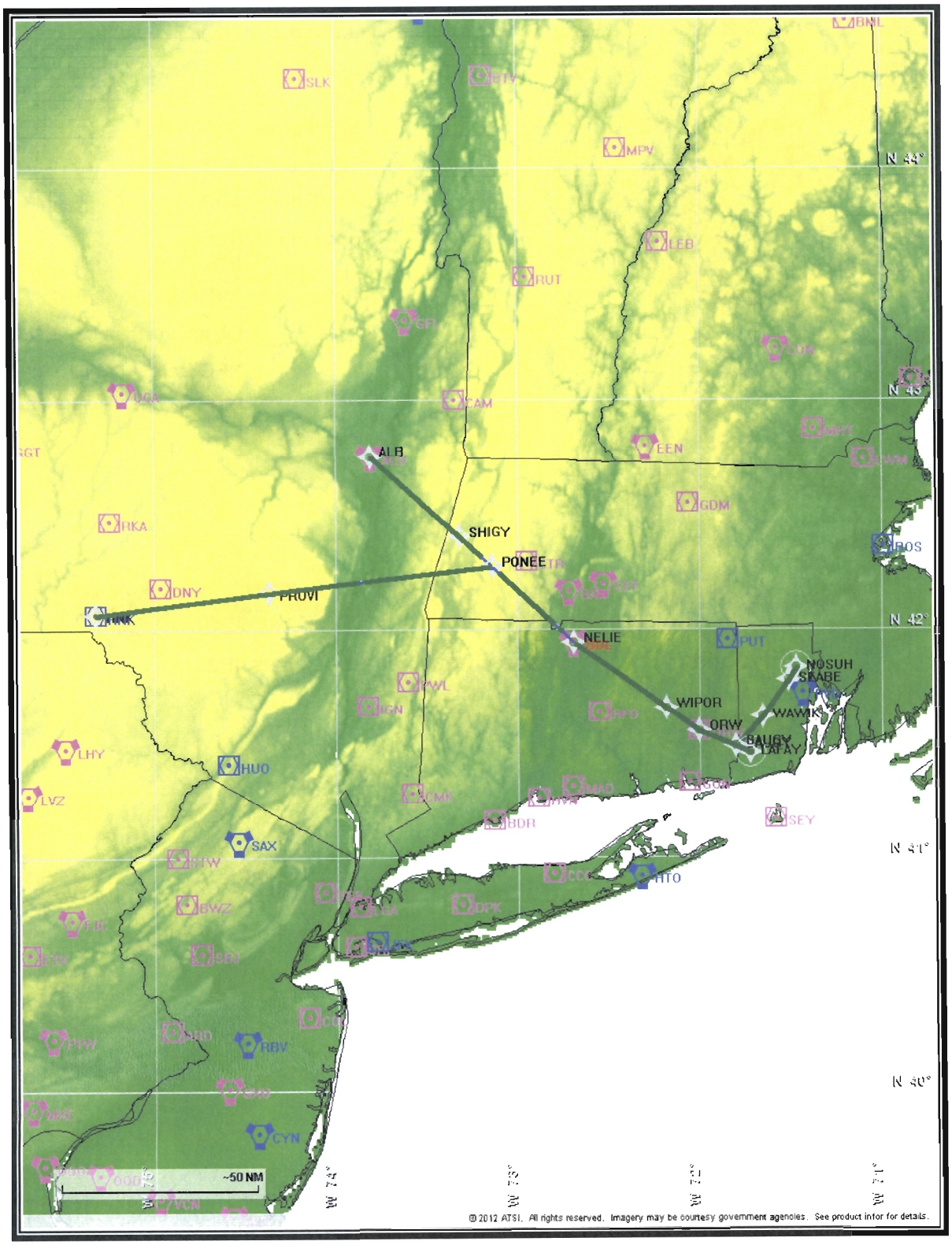
ALB
SHIGY
PONEE
PROVI
NELIE
NOSUH
SKABE
WIPOR
ORW
BAUGY
SAX
HTO
N 44°
N 43°
N 42°
N 41°
N 40°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ALB	WP	N 42° 44' 50.21" W 73° 48' 11.46"	18000.0	Step	250.0	Fly By	TF
SHIGY	WP	N 42° 23' 57.95" W 73° 19' 0.98"	18000.0	Step	240.0	Fly By	TF
PONEE	WP	N 42° 16' 11.14" W 73° 8' 15.74"	11000.0	Step	210.0	Fly By	TF
NELIE	WP	N 41° 56' 27.64" W 72° 41' 18.88"	10000.0	Step	180.0	Fly By	TF
WIPOR	WP	N 41° 39' 23.07" W 72° 10' 37.67"	9000.0	Step	180.0	Fly By	TF
ORW	WP	N 41° 33' 23.05" W 71° 59' 57.67"	6000.0	Step	180.0	Fly By	TF
SAUGY	WP	N 41° 29' 22.03" W 71° 48' 1.95"	3000.0	Step	180.0	Fly By	TF
WAWIK	WP	N 41° 37' 11.58" W 71° 39' 9.45"	3000.0	Step	180.0	Fly By	TF
SEABE	WP	N 41° 46' 44.52" W 71° 30' 42.26"	3000.0	Step	180.0	Fly By	TF
NOSUH	WP	N 41° 49' 57.59" W 71° 27' 59.51"	2000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
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

Aircraft ALTITUDE at Fly-By WP PONEE too high.

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: 15

Maximum DME Error: 0.674 NM.

No Critical DMEs were found.

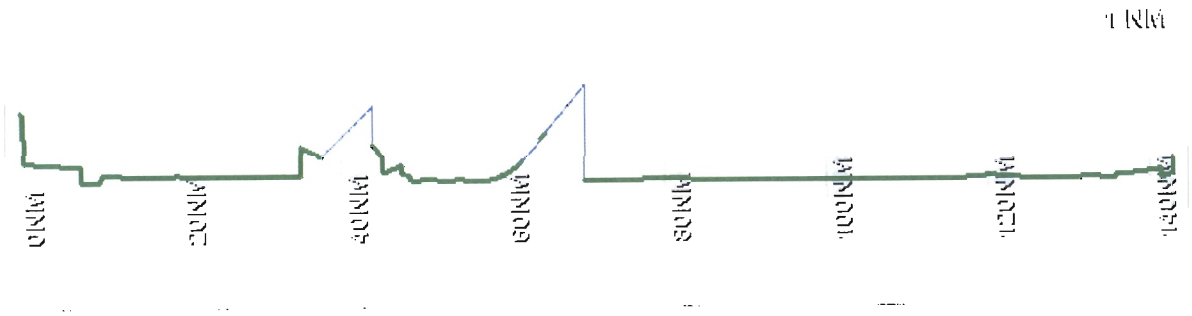
Available DMEs: CAM, HNK, HUO, PUT, ALB, CTR, BAF, PVD, HTO, PWL, HFD, ORW, MAD, GON, SEY

Disabled DMEs: BDL

Foreign DMEs within range: UTR, VLV, YCF, YJN, YOW, YSC, YUL, YXI

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HNK	N 42° 3' 47.01" W 75° 18' 58.62" W 11	H	Database	NO	0.674	Enabled	0.3 %	0.3 %
2	HUO	N 41° 24' 34.87" W 74° 35' 29.74" W 11	H	Database	NO	0.674	Enabled	18.3 %	21.9 %
3	PUT	N 41° 57' 19.66" W 71° 50' 38.74" W 14	H	Database	NO	0.780	Enabled	29.2 %	28.6 %
4	CAM	N 42° 59' 39.44" W 73° 20' 38.47" W 14	L	Database	NO	0.674	Enabled	1.9 %	2.3 %
5	CTR	N 42° 17' 28.75" W 72° 56' 57.82" W 13	L	Database	NO	0.735	Enabled	13.8 %	15.1 %
6	ALB	N 42° 44' 50.21" W 73° 48' 11.46" W 13	L	Database	NO	0.674	Enabled	8.9 %	10.6 %
7	HTO	N 40° 55' 8.38" W 72° 19' 0.14" W 13	H	Database	NO	0.674	Enabled	1.6 %	1.8 %
8	BAF	N 42° 9' 43.06" W 72° 42' 58.31" W 14	L	Database	NO	1.094	Enabled	18.0 %	17.0 %
9	PWL	N 41° 46' 11.18" W 73° 36' 1.99" W 12	L	Database	NO	0.674	Enabled	2.7 %	2.6 %
10	HFD	N 41° 38' 27.98" W 72° 32' 50.70" W 13	L	Database	NO	0.674	Enabled	19.2 %	18.0 %
11	MAD	N 41° 18' 49.81" W 72° 41' 31.89" W 13	L	Database	NO	0.674	Enabled	8.9 %	8.3 %
12	ORW	N 41° 33' 23.05" W 71° 59' 57.67" W 14	L	Database	NO	0.872	Enabled	23.3 %	21.8 %
13	GON	N 41° 19' 49.45" W 72° 3' 7.14" W 14	T	Database	NO	0.674	Enabled	7.2 %	6.7 %
14	PVD	N 41° 43' 27.64" W 71° 25' 46.67" W 14	H	Database	NO	0.674	Enabled	15.3 %	14.3 %
15	SEY	N 41° 10' 2.77" W 71° 34' 33.91" W 15	L	Database	NO	0.674	Enabled	12.5 %	11.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	HNK	HUO	PUT	CAM	CTR	ALB
10.1	ALB	HUO	PUT	CAM	CTR	BAF
30.0	ALB	HUO	HTO	BAF	CTR	PVD
41.2	HFD	ORW	PWL	BAF	CTR	
68.9	HFD	ORW	PUT	BAF	MAD	CTR
97.9	HFD	GON	PVD	SEY	MAD	PUT

DME/DME (Continued.)

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Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
116.5	ORW	GON	PVD	SEY	PUT	HFD
127.4	ORW	PUT	PVD	SEY		
139.1	ORW	PUT	PVD	SEY		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 42° 18' 49.88" W 73° 11' 54.65"	N 42° 14' 29.78" W 73° 5' 56.28"	6.2
	VOR: ALB	Available from N 42° 18' 49.88" W 73° 11' 54.65" to N 42° 17' 0.86" W 73° 9' 24.24"	
	VOR: BAF	Available from N 42° 18' 49.88" W 73° 11' 54.65" to N 42° 14' 29.78" W 73° 5' 56.28"	
	VOR: BDL	Available from N 42° 18' 49.88" W 73° 11' 54.65" to N 42° 14' 29.78" W 73° 5' 56.28"	
	VOR: CEF	Available from N 42° 18' 49.88" W 73° 11' 54.65" to N 42° 14' 29.78" W 73° 5' 56.28"	
	VOR: CTR	Available from N 42° 18' 49.88" W 73° 11' 54.65" to N 42° 14' 29.78" W 73° 5' 56.28"	
	VOR: PWL	Available from N 42° 18' 49.88" W 73° 11' 54.65" to N 42° 14' 29.78" W 73° 5' 56.28"	
2	N 42° 1' 29.49" W 72° 48' 8.76"	N 41° 59' 58.18" W 72° 46' 4.58"	2.2
	VOR: BAF	Available from N 42° 1' 29.49" W 72° 48' 8.76" to N 41° 59' 58.18" W 72° 46' 4.58"	
	VOR: BDL	Available from N 42° 1' 29.49" W 72° 48' 8.76" to N 41° 59' 58.18" W 72° 46' 4.58"	
	VOR: CEF	Available from N 42° 1' 29.49" W 72° 48' 8.76" to N 41° 59' 58.18" W 72° 46' 4.58"	
	VOR: CTR	Available from N 42° 1' 29.49" W 72° 48' 8.76" to N 41° 59' 58.18" W 72° 46' 4.58"	
	VOR: HFD	Available from N 42° 1' 29.49" W 72° 48' 8.76" to N 41° 59' 58.18" W 72° 46' 4.58"	
	VOR: PWL	Available from N 42° 1' 29.49" W 72° 48' 8.76" to N 41° 59' 58.18" W 72° 46' 4.58"	

DME/DME (Continued.)

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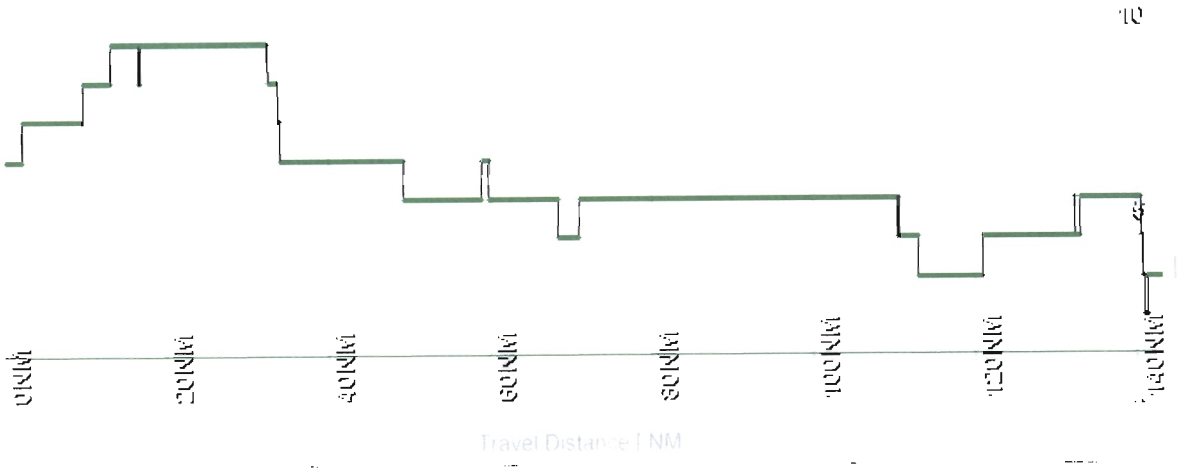
Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
3	N 41° 59' 34.76" W 72° 45' 32.76"	N 41° 56' 7.12" W 72° 40' 42.76"	5.0
	VOR: BAF	Available from N 41° 59' 34.76" W 72° 45' 32.76" to N 41° 56' 7.12" W 72° 40' 42.76"	
	VOR: BDL	Available from N 41° 59' 34.76" W 72° 45' 32.76" to N 41° 56' 7.12" W 72° 40' 42.76"	
	VOR: CEF	Available from N 41° 59' 34.76" W 72° 45' 32.76" to N 41° 56' 7.12" W 72° 40' 42.76"	
	VOR: CTR	Available from N 41° 59' 34.76" W 72° 45' 32.76" to N 41° 56' 7.12" W 72° 40' 42.76"	
	VOR: HFD	Available from N 41° 59' 34.76" W 72° 45' 32.76" to N 41° 56' 7.12" W 72° 40' 42.76"	
	VOR: MAD	Available from N 41° 58' 45.57" W 72° 44' 25.95" to N 41° 56' 7.12" W 72° 40' 42.76"	
	VOR: PUT	Available from N 41° 58' 36.20" W 72° 44' 13.23" to N 41° 56' 7.12" W 72° 40' 42.76"	
	VOR: ORW	Available from N 41° 57' 25.90" W 72° 42' 37.85" to N 41° 56' 7.12" W 72° 40' 42.76"	

Radar Analysis

Return To Summary

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