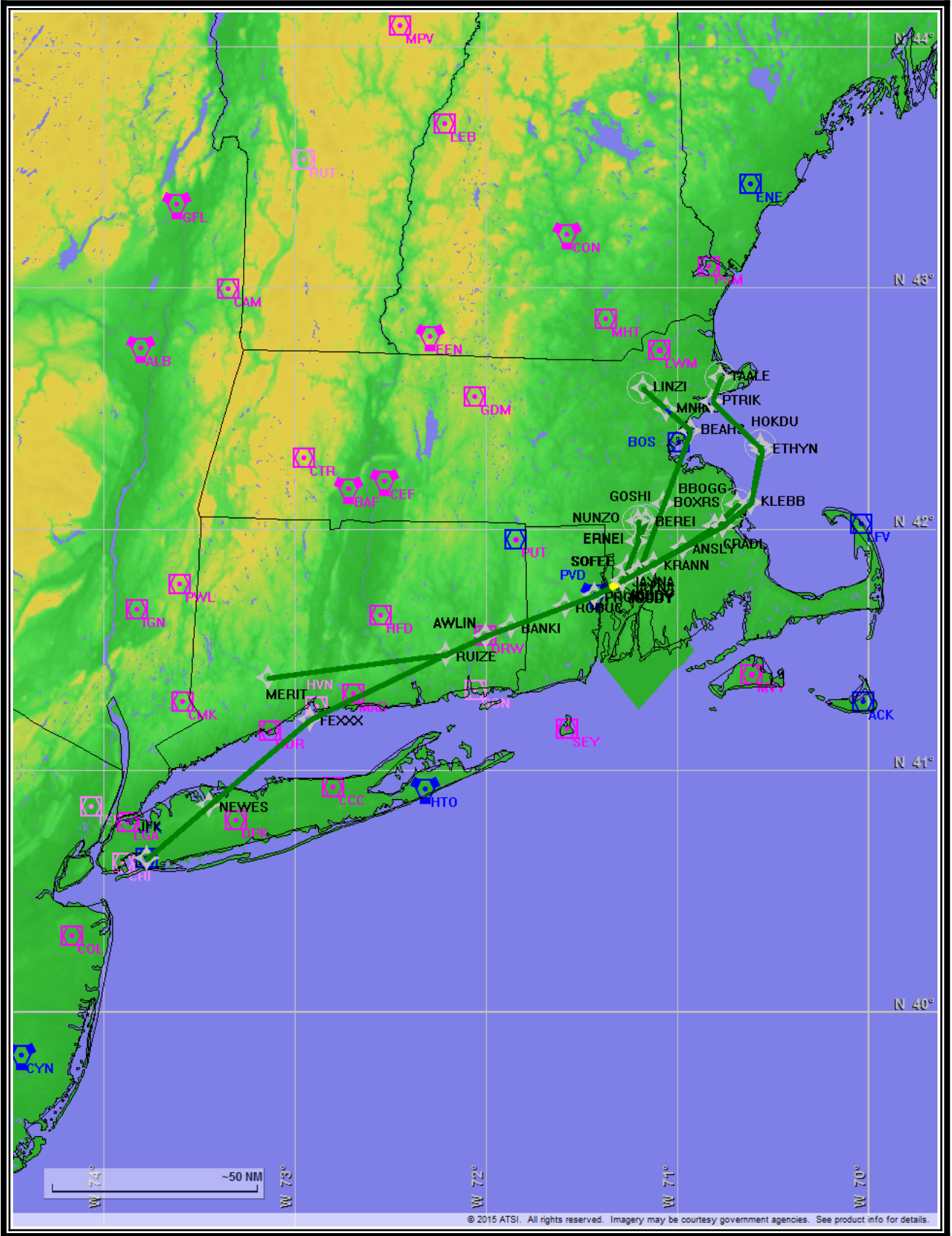


Name: MARK SCHOENHOFF
Project Name: KBOS ROBUC2 STAR
Output File: KBOS ROBUC2 STAR
 JAYNA BBOGG
 20150827_1021
Procedure Name: ROBUC2
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/27/2015 10:25:04 AM
Input File: KBOS ROBUC2 STAR
 JAYNA BBOGG
 20150827_0845.txt
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

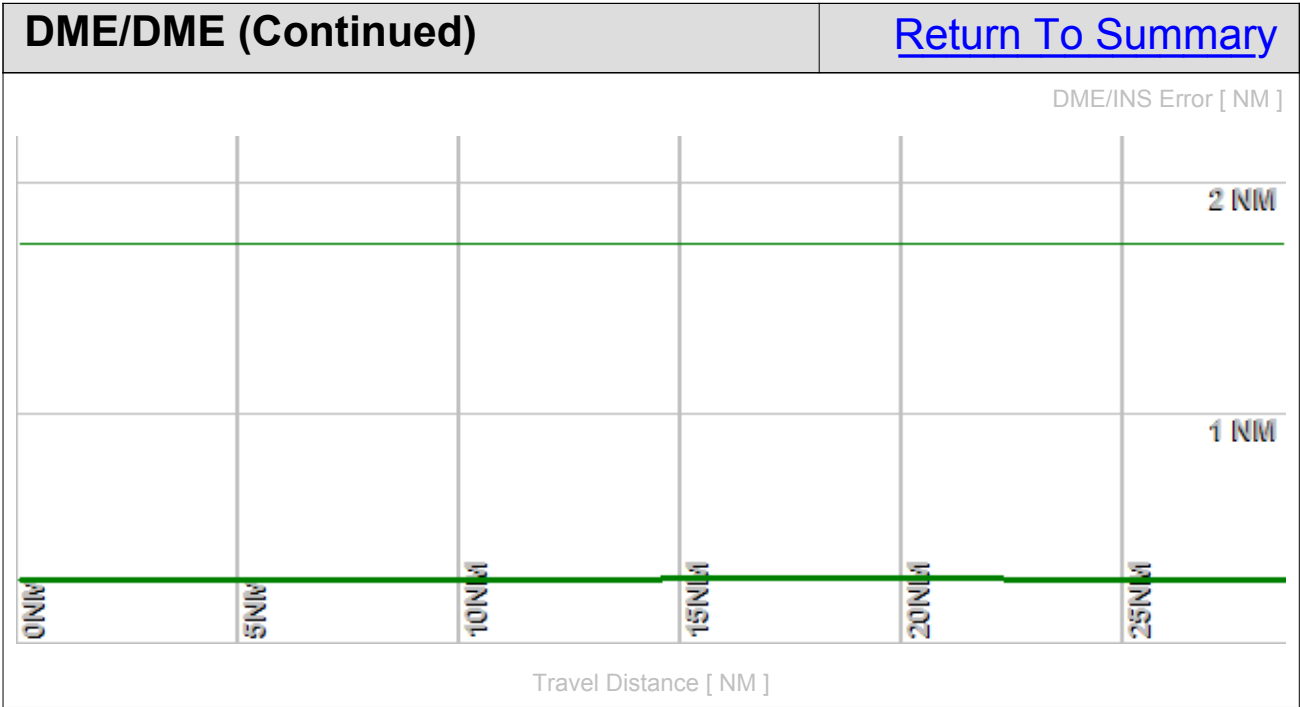
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JAYNA	WP	N 41° 49' 15.90" W 71° 12' 13.60"	8000.0	Step	250.0	Fly By	TF
ANSLY	WP	N 41° 55' 25.95" W 70° 58' 18.81"	7000.0	Step	240.0	Fly By	TF
BEREI	WP	N 42° 0' 32.09" W 70° 48' 20.74"	6000.0	Step	220.0	Fly By	TF
BBOGG	WP	N 42° 5' 56.98" W 70° 41' 9.06"	4000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KBOS Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

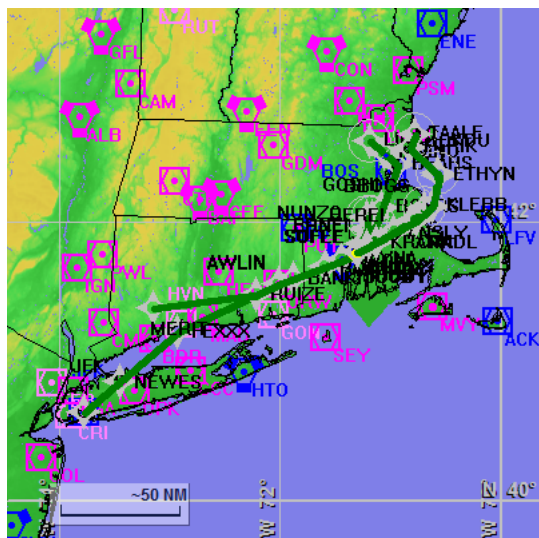
DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low & Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p> Total Number of DMEs Used: 5 Maximum DME Error: 0.287 NM. No Critical DMEs were found. Available DMEs: MVY, PUT, BOS, ORW, PVD, LFV, LWM Foreign DMEs within range: YJN, YSC, VLV, YQI </p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.291	Enabled	63.4%	63.4%
2	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.291	Enabled	52.1%	52.1%
3	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.329	Enabled	47.9%	47.9%
4	PVD	N 41° 43' 27.64" W 71° 25' 46.70" 14 W	H	Database	NO	0.287	Enabled	28.1%	28.1%
5	LFV	N 42° 1' 1.88" W 70° 2' 14.04" 16 W	H	Database	NO	0.288	Enabled	8.5%	8.5%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		PUT	BOS	MVY	PVD	ORW			
11.9		PUT	BOS	MVY	PVD	LFV	LWM		
20.7		PUT	BOS	MVY	PVD	LFV	LWM		

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JAYNA	ANSLY	PUT, MVY, BOS, ORW, and PVD
ANSLY	BEREI	PUT, MVY, BOS, LFV, PVD, and LWM*
BEREI	BBOGG	PUT, MVY, BOS, LFV, PVD, and LWM*

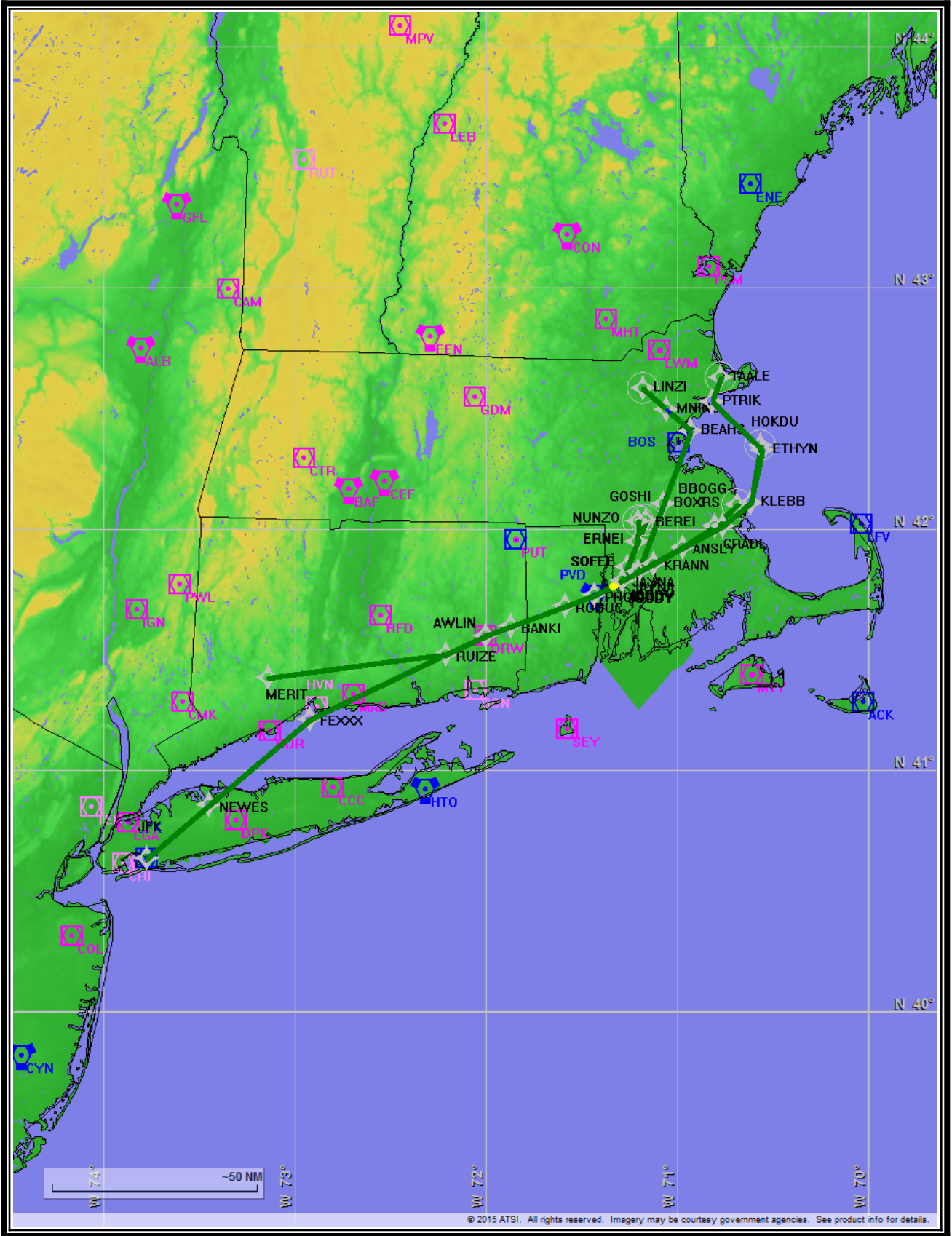
User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS ROBUC STAR.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [Mag]: 325.0° to 30.0°		Arc Distance: Out to 66.0 NM Altitude: 3000.0 to 18000.0 Ft.		
2	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H	650.0	117.40	PUT	Used
		ESV:	Bearing [True]: 45.0° to 105.0° Bearing [Mag]: 59.0° to 119.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 18000.0 Ft.		
3	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	302.2	112.50	LWM	Not Used
		Restriction:	Bearing [True]: 145.0° to 180.0° Bearing [Mag]: 160.0° to 195.0°		Distance: Beyond 23.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 25.0° to 195.0° Bearing [Mag]: 40.0° to 210.0°		Arc Distance: Out to 50.0 NM Altitude: 4000.0 to 17000.0 Ft.		



Name: MARK SCHOENHOFF
Project Name: KBOS ROBUC2 STAR
Output File: KBOS ROBUC2 STAR JFK GOSHI 20150827_1021
Procedure Name: ROBUC2
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/27/2015 10:22:23 AM
Input File: KBOS ROBUC2 STAR JFK GOSHI 20150827_0838.txt
Databases: AIRNAV Date: 8/4/2015
CIFP Date: 2/5/2015
DTED® (MAX) Date: 2002

Results Summary:

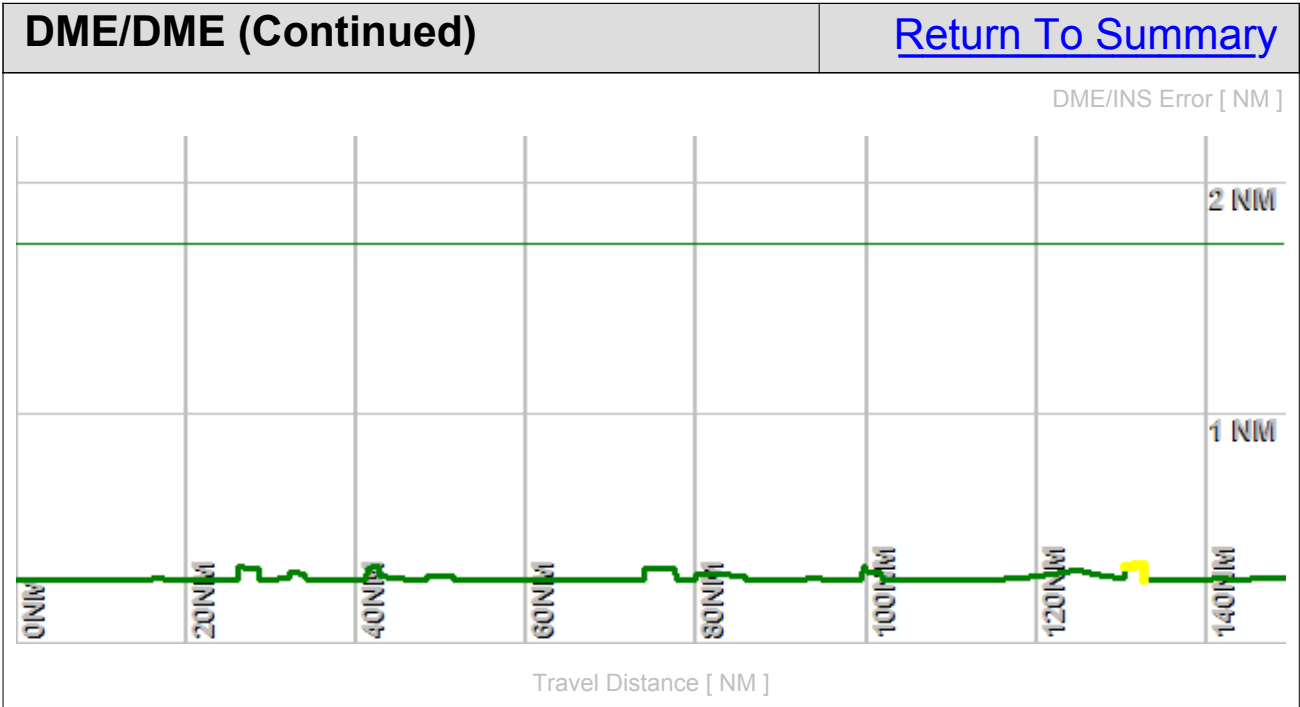
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JFK	WP	N 40° 37' 58.40" W 73° 46' 17.00"	17000.0	Step	270.0	Fly By	TF
NEWES	WP	N 40° 51' 20.21" W 73° 26' 41.77"	17000.0	Step	270.0	Fly By	TF
FEXXX	WP	N 41° 12' 39.54" W 72° 54' 59.76"	17000.0	Step	270.0	Fly By	TF
RUIZE	WP	N 41° 28' 45.63" W 72° 12' 33.94"	17000.0	Step	270.0	Fly By	TF
AWLIN	WP	N 41° 33' 22.48" W 71° 59' 56.97"	17000.0	Step	270.0	Fly By	TF
BANKI	WP	N 41° 35' 44.39" W 71° 52' 3.63"	14000.0	Step	270.0	Fly By	TF
ROBUC	WP	N 41° 40' 44.11" W 71° 35' 6.42"	11000.0	Step	260.0	Fly By	TF
PROVI	WP	N 41° 43' 25.46" W 71° 25' 54.17"	9000.0	Step	220.0	Fly By	TF
JOODY	WP	N 41° 47' 7.37" W 71° 17' 15.23"	9000.0	Step	220.0	Fly By	TF
SOFEE	WP	N 41° 50' 35.42" W 71° 15' 32.13"	8000.0	Step	220.0	Fly By	TF
ERNEI	WP	N 41° 56' 41.29" W 71° 12' 30.68"	6000.0	Step	210.0	Fly By	TF
GOSHI	WP	N 42° 2' 11.09" W 71° 9' 47.14"	4000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival	
	Selected Airport: KBOS	
	Aircraft Category: Cat D	
	Climb Gradient: <i>None assigned</i>	
	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: <i>None assigned</i>	
	Descent During a Turn: Allowed	
	VNAV Mode: Flight Plan	
Entire track is fly-able		

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low & Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p>Total Number of DMEs Used: 22</p> <p>Maximum DME Error: 0.347 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: COL, CYN, DPK, HTO, HUO, LGA, RBV, SAX, CMK, BDR, JFK, CCC, PUT, MAD, PVD, HFD, ORW, BOS, SEY, ACK, LFV, GON, MVY, LWM</p> <p>Foreign DMEs within range: YJN, YSC, VLV</p>	



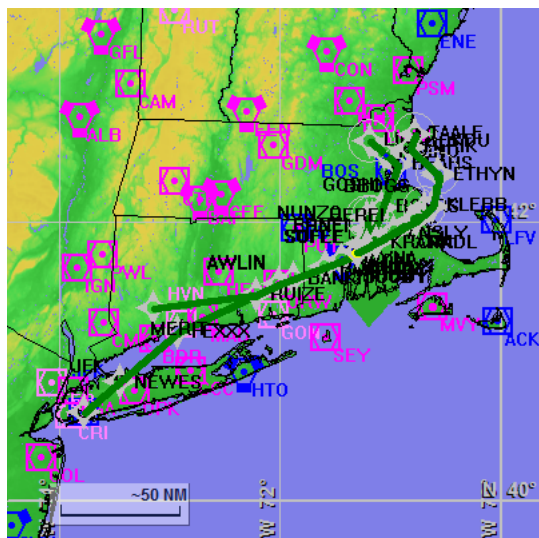
DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	Database	NO	0.347	Enabled	7.7%	8.0%
2	RBV	N 40° 12' 8.65" W 74° 29' 42.09" 10 W	H	Database	NO	0.347	Enabled	1.9%	2.0%
3	CYN	N 39° 49' 2.42" W 74° 25' 53.85" 10 W	H	Database	NO	0.347	Enabled	4.0%	4.2%
4	SAX	N 41° 4' 3.16" W 74° 32' 17.93" 11 W	H	Database	NO	0.347	Enabled	4.7%	4.9%
5	COL	N 40° 18' 41.88" W 74° 9' 35.02" 11 W	L	Database	NO	0.347	Enabled	3.0%	3.2%
6	BDR	N 41° 9' 38.50" W 73° 7' 28.19" 12 W	L	Database	NO	0.347	Enabled	2.7%	2.8%
7	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	Database	NO	0.411	Enabled	10.5%	10.9%
8	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	Database	NO	0.347	Enabled	6.8%	7.1%
9	DPK	N 40° 47' 30.02" W 73° 18' 14.43" 12 W	L	Database	NO	0.347	Enabled	10.3%	10.7%
10	PVD	N 41° 43' 27.64" W 71° 25' 46.70" 14 W	H	Database	NO	0.384	Enabled	13.8%	13.3%
11	CCC	N 40° 55' 46.62" W 72° 47' 55.89" 13 W	L	Database	NO	0.619	Enabled	11.7%	12.2%
12	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.445	Enabled	38.8%	37.1%
13	MAD	N 41° 18' 49.81" W 72° 41' 31.89" 13 W	L	Database	NO	0.347	Enabled	3.8%	4.0%
14	HFD	N 41° 38' 27.98" W 72° 32' 50.70" 13 W	L	Database	NO	0.571	Enabled	15.5%	16.1%
15	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	Database	NO	1.162	Enabled	17.2%	17.9%

DME/DME (Continued)						Return To Summary			
DMEs Used (Continued)									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
16	JFK	N 40° 37' 58.40" W 73° 46' 17.00" 12 W	H	Database	NO	0.347	Enabled	4.9%	5.1%
17	ORW	N 41° 33' 23.05" W 71° 59' 57.67" 14 W	L	Database	NO	0.371	Enabled	13.7%	13.5%
18	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.350	Enabled	7.6%	7.3%
19	SEY	N 41° 10' 2.77" W 71° 34' 33.91" 15 W	L	Database	NO	0.351	Enabled	10.3%	10.0%
20	ACK	N 41° 16' 54.79" W 70° 1' 36.16" 15 W	H	Database	NO	0.347	Enabled	1.2%	1.3%
21	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.347	Enabled	4.6%	3.9%
22	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L + ESV	User	NO	0.347	Enabled	5.2%	4.5%
	Total Coverage							23.7%	22.8%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		HUO	RBV	CYN	SAX	COL	HTO		
10.0		HUO	BDR	CYN	LGA	CMK	HTO		
20.0		CCC	PVD	DPK	LGA	CMK	CYN		
30.6		CCC	PUT	DPK	RBV	CMK	SAX		
41.3		CCC	PUT	CYN	MAD	PVD	HUO		
51.5		HTO	PUT	DPK	HFD	JFK	SAX		
63.9		HTO	MAD	ORW	SAX	JFK	CCC		
77.6		HFD	BOS	ORW	PUT	JFK	HTO		
87.8		HFD	BOS	SEY	PUT	HTO	MAD		
98.1		HFD	JFK	SEY	PUT	ACK	PVD		
104.7		HFD	ORW	SEY	PUT	PVD	GON		
118.4		ORW	SEY	PUT	PVD				
125.5		ORW	SEY	PUT	PVD				
132.6		BOS	ORW	MVY	PUT	PVD			

DME/DME (Continued)						Return To Summary
<i>Flight Check DME Selection (Continued)</i>						
Distance [NM]	Selected DMEs					Alternate
136.9	BOS	LWM	MVY	PUT	PVD	
143.4	BOS	LWM	MVY	PUT	PVD	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JFK	NEWES	BDR, CMK, COL, CYN, HUO, LGA, RBV, SAX, PUT*, CCC*, DPK*, HTO*, and JFK*
NEWES	FEXXX	PUT, CCC, CMK, CYN, DPK, LGA, MAD, PVD, RBV, BDR*, HFD*, HTO*, HUO*, JFK*, and SAX*
FEXXX	RUIZE	PUT, BOS, DPK, HFD, HTO, JFK, MAD, ORW, SAX, BDR*, CCC*, CMK*, HUO*, PVD*, RBV*, and SEY*
RUIZE	AWLIN	PUT, BOS, HFD, HTO, SEY, ACK*, JFK*, LFV*, MAD*, ORW*, and PVD*
AWLIN	BANKI	PUT, ACK, HFD, JFK, SEY, BOS*, HTO*, LFV*, MAD*, ORW*, and PVD*
BANKI	ROBUC	PUT, HFD, ORW, PVD, SEY, and GON*
ROBUC	PROVI	PUT, ORW, PVD, and SEY
PROVI	JOODY	PUT, ORW, PVD, and SEY
JOODY	SOFEE	PUT, MVY, BOS, ORW, and PVD
SOFEE	ERNEI	LWM, PUT, MVY, BOS, and PVD
ERNEI	GOSHI	LWM, PUT, MVY, BOS, and PVD

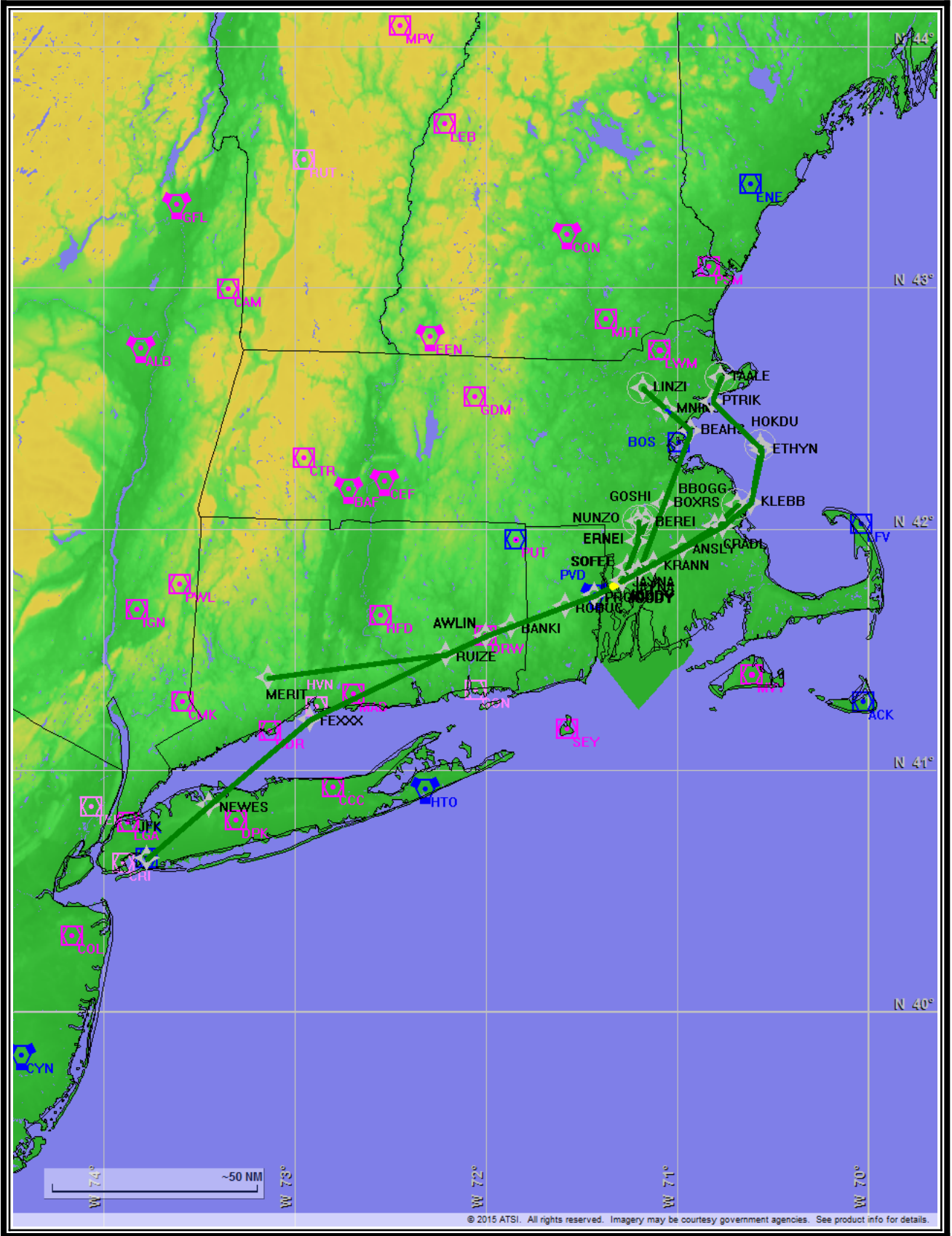
User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS ROBUC STAR.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [Mag]: 325.0° to 30.0°		Arc Distance: Out to 66.0 NM Altitude: 3000.0 to 18000.0 Ft.		
2	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H	650.0	117.40	PUT	Used
		ESV:	Bearing [True]: 45.0° to 105.0° Bearing [Mag]: 59.0° to 119.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 18000.0 Ft.		
3	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	302.2	112.50	LWM	Used
		Restriction:	Bearing [True]: 145.0° to 180.0° Bearing [Mag]: 160.0° to 195.0°		Distance: Beyond 23.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 25.0° to 195.0° Bearing [Mag]: 40.0° to 210.0°		Arc Distance: Out to 50.0 NM Altitude: 4000.0 to 17000.0 Ft.		



Name: MARK SCHOENHOFF
Project Name: KBOS ROBUC2 STAR
Output File: KBOS ROBUC2 STAR
 JOODY HOKDU
 20150827_1021
Procedure Name: ROBUC2
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/27/2015 10:25:51 AM
Input File: KBOS ROBUC2 STAR
 JOODY HOKDU
 20150827_0849.txt
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

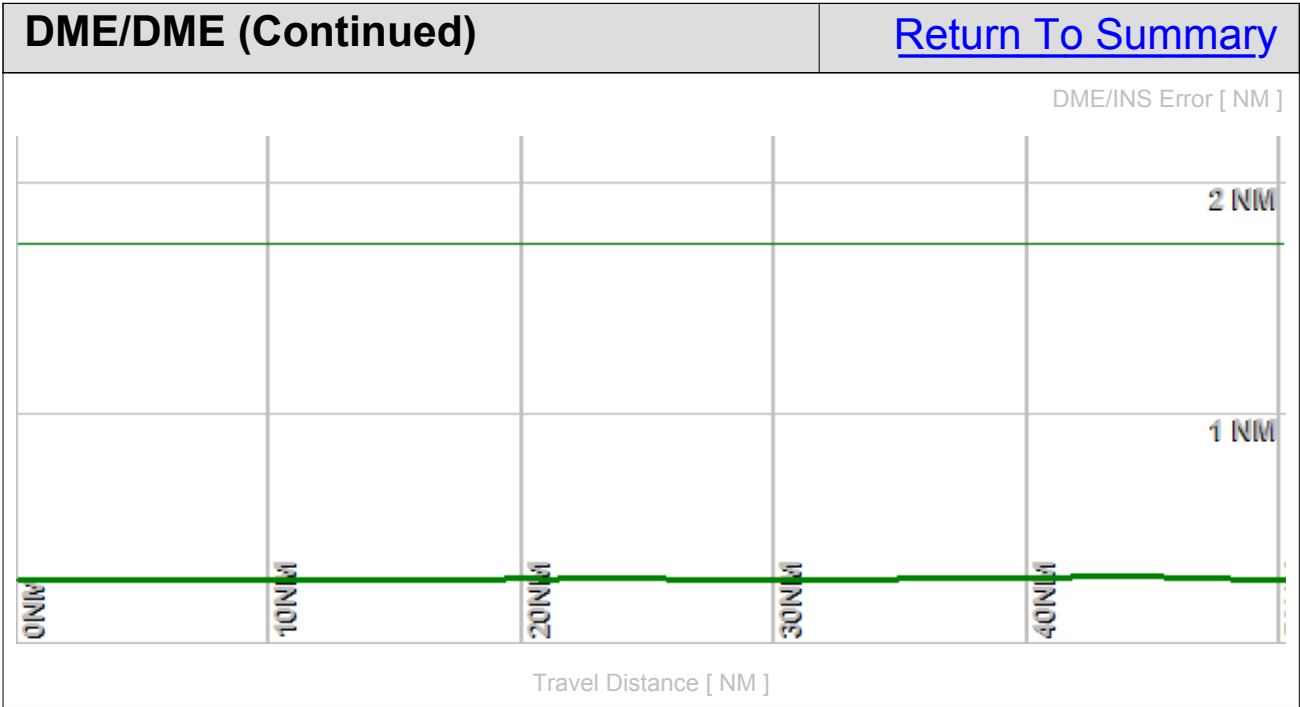
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JOODY	WP	N 41° 47' 7.37" W 71° 17' 15.23"	9000.0	Step	250.0	Fly By	TF
KRANN	WP	N 41° 51' 18.69" W 71° 7' 24.46"	8000.0	Step	250.0	Fly By	TF
CRADL	WP	N 42° 0' 36.88" W 70° 45' 47.55"	7000.0	Step	250.0	Fly By	TF
KLEBB	WP	N 42° 6' 30.28" W 70° 36' 58.08"	6000.0	Step	250.0	Fly By	TF
HOKDU	WP	N 42° 20' 43.93" W 70° 33' 55.81"	4000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KBOS Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

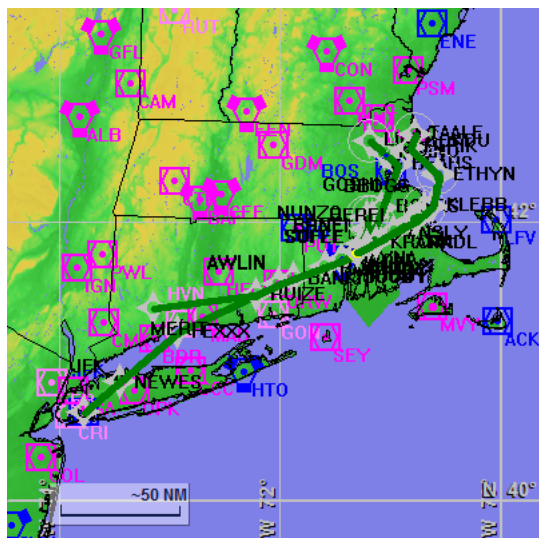
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max):	Evaluated
	DME Restrictions:	Evaluated
	Inertial Drift:	Enabled
	Initial Drift:	0.558 NM
	INS Drift Rate:	8.000 NM/Hour
	Range Mode:	OSV
	Co-Frequencies:	Evaluated
	RNP Edges:	Evaluated
	Min DME Range:	3.0 NM
	Allowed Gap Length:	4.0 NM
	DME Types:	VOR/DME, VORTAC, and User
	DME Include Angles:	30 to 150
	Critical DMEs:	Allowed
DoD Facilities:	Not included	
Foreign Facilities:	Not included	
Low & Terminal DMEs:	Included	
Flight Check DMEs:	Selected	
Higher Altitudes:	Evaluated	
Near Maximum Altitude:	Evaluated	
Total Number of DMEs Used: 5		
Maximum DME Error: 0.294 NM.		
No Critical DMEs were found.		
Available DMEs: PUT, BOS, ORW, PVD, MVY, LFV, LWM		
Foreign DMEs within range: YJN, YSC, VLV, YQI		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.388	Enabled	56.1%	56.1%
2	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.353	Enabled	55.0%	55.0%
3	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.464	Enabled	56.5%	56.5%
4	PVD	N 41° 43' 27.64" W 71° 25' 46.70" 14 W	H	Database	NO	0.294	Enabled	26.2%	26.2%
5	LFV	N 42° 1' 1.88" W 70° 2' 14.04" 16 W	H	Database	NO	0.294	Enabled	6.2%	6.2%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		PUT	BOS	PVD	ORW	MVY			
8.4		PUT	BOS	PVD	LFV	MVY			
26.7		PUT	BOS	PVD	LFV	MVY	LWM		
35.2		PUT	BOS	LWM	LFV	MVY			

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JOODY	KRANN	PUT, MVY, BOS, ORW, and PVD
KRANN	CRADL	PUT, MVY, BOS, LFV, and PVD
CRADL	KLEBB	PUT, MVY, BOS, LFV, PVD, and LWM*
KLEBB	HOKDU	LWM, PUT, MVY, BOS, and LFV

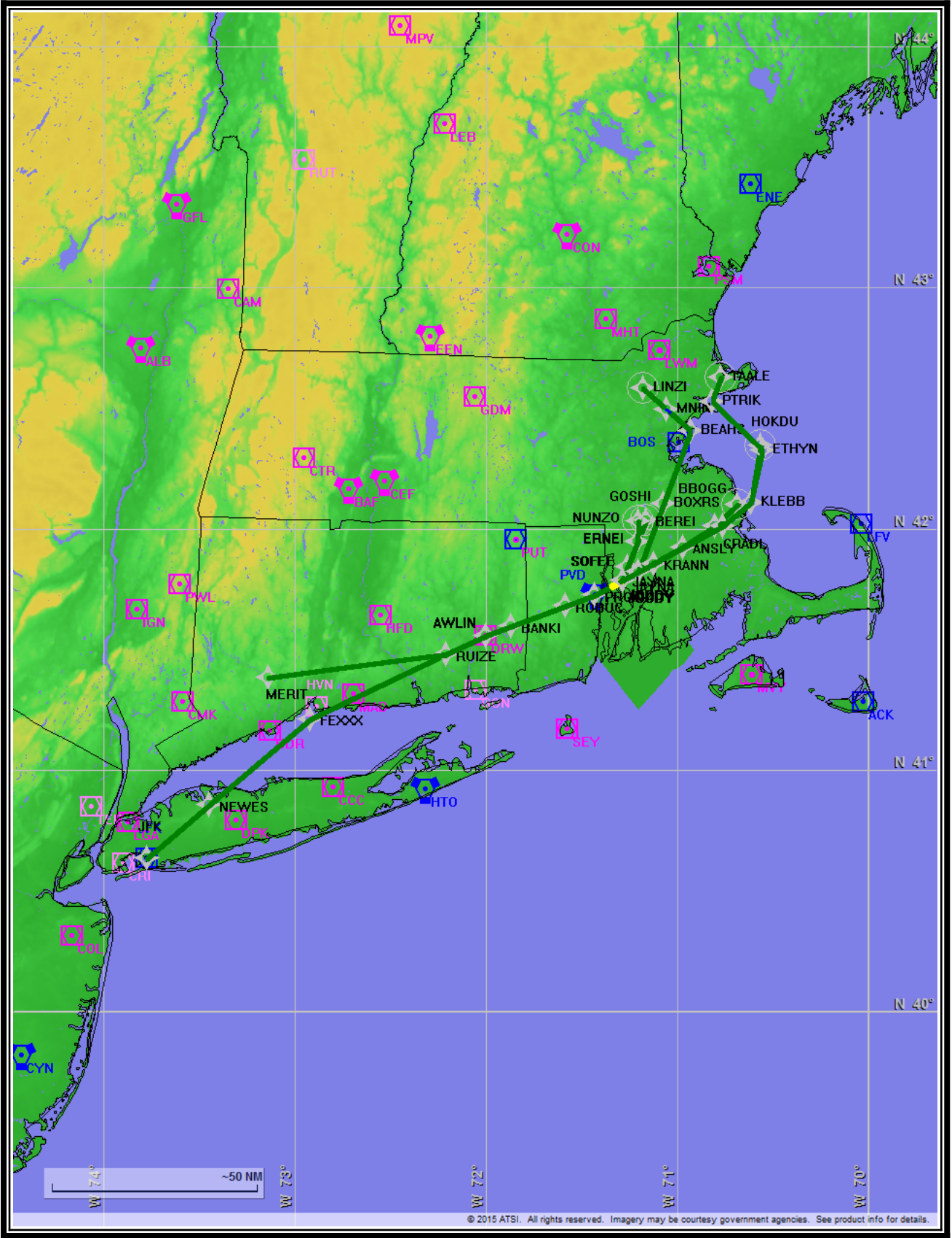
User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS ROBUC STAR.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [Mag]: 325.0° to 30.0°		Arc Distance: Out to 66.0 NM Altitude: 3000.0 to 18000.0 Ft.		
2	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H	650.0	117.40	PUT	Used
		ESV:	Bearing [True]: 45.0° to 105.0° Bearing [Mag]: 59.0° to 119.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 18000.0 Ft.		
3	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	302.2	112.50	LWM	Not Used
		Restriction:	Bearing [True]: 145.0° to 180.0° Bearing [Mag]: 160.0° to 195.0°		Distance: Beyond 23.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 25.0° to 195.0° Bearing [Mag]: 40.0° to 210.0°		Arc Distance: Out to 50.0 NM Altitude: 4000.0 to 17000.0 Ft.		



Name: MARK SCHOENHOFF
Project Name: KBOS ROBUC2 STAR
Output File: KBOS ROBUC2 STAR
 JOODY TAALE
 20150827_1021
Procedure Name: ROBUC2
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/27/2015 10:26:40 AM
Input File: KBOS ROBUC2 STAR
 JOODY TAALE
 20150827_0850.txt
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

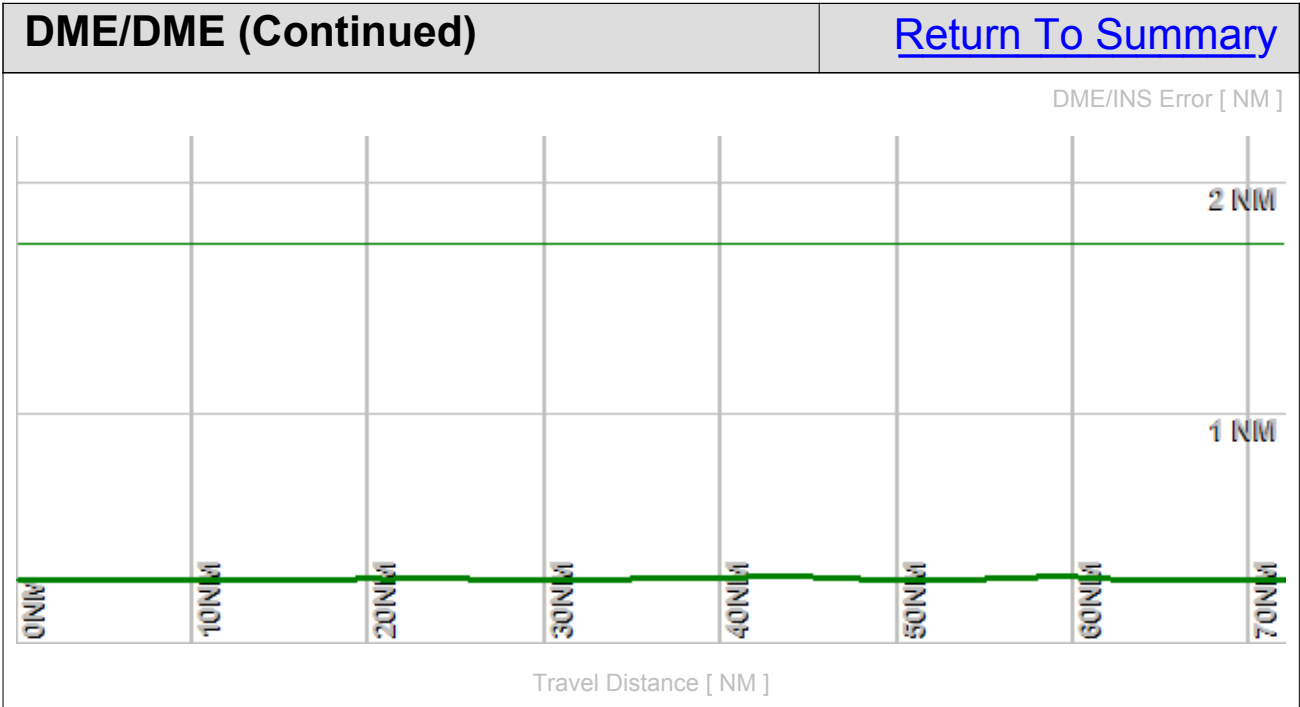
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JOODY	WP	N 41° 47' 7.37" W 71° 17' 15.23"	9000.0	Step	250.0	Fly By	TF
KRANN	WP	N 41° 51' 18.69" W 71° 7' 24.46"	8000.0	Step	250.0	Fly By	TF
CRADL	WP	N 42° 0' 36.88" W 70° 45' 47.55"	7000.0	Step	250.0	Fly By	TF
KLEBB	WP	N 42° 6' 30.28" W 70° 36' 58.08"	6000.0	Step	250.0	Fly By	TF
ETHYN	WP	N 42° 19' 33.13" W 70° 33' 19.59"	4000.0	Step	250.0	Fly By	TF
PTRIK	WP	N 42° 31' 38.24" W 70° 49' 14.28"	4000.0	Step	220.0	Fly By	TF
TAALE	WP	N 42° 37' 34.55" W 70° 46' 18.74"	4000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KBOS Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

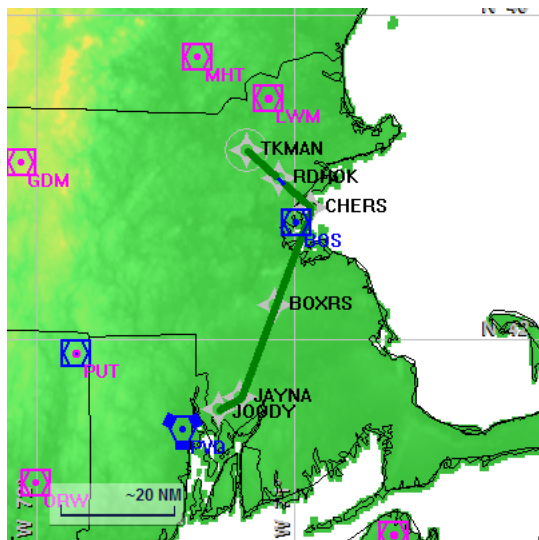
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
	DoD Facilities: Not included	
Foreign Facilities: Not included		
Low & Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Total Number of DMEs Used: 7		
Maximum DME Error: 0.296 NM.		
No Critical DMEs were found.		
Available DMEs: PUT, BOS, ORW, PVD, MVY, LFV, LWM, MHT, PSM		
Foreign DMEs within range: YJN, YSC, VLV, YQI, YUL		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.388	Enabled	38.9%	38.9%
2	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.618	Enabled	68.8%	68.8%
3	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.494	Enabled	52.0%	52.0%
4	PVD	N 41° 43' 27.64" W 71° 25' 46.70" 14 W	H	Database	NO	0.296	Enabled	18.3%	18.3%
5	LFV	N 42° 1' 1.88" W 70° 2' 14.04" 16 W	H	Database	NO	0.296	Enabled	4.3%	4.3%
6	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L + ESV	User	NO	0.306	Enabled	7.3%	7.3%
7	MHT	N 42° 52' 6.71" W 71° 22' 10.32" 15 W	L	Database	NO	0.296	Enabled	10.4%	10.4%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		PUT	BOS	PVD	ORW	MVY			
8.4		PUT	BOS	PVD	LFV	MVY			
26.7		PUT	BOS	PVD	LFV	MVY	LWM		
35.3		PUT	BOS	LWM	LFV	MVY			
48.3		MHT	BOS	LWM	LFV	MVY	PSM		
64.9		MHT	BOS	LWM	PSM				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JOODY	KRANN	PUT, MVY, BOS, ORW, and PVD
KRANN	CRADL	PUT, MVY, BOS, LFV, and PVD
CRADL	KLEBB	PUT, MVY, BOS, LFV, PVD, and LWM*
KLEBB	ETHYN	LWM, PUT, MVY, BOS, and LFV
ETHYN	PTRIK	LWM, MVY, BOS, LFV, MHT, PUT*, and PSM*
PTRIK	TAALE	LWM, BOS, MHT, and PSM

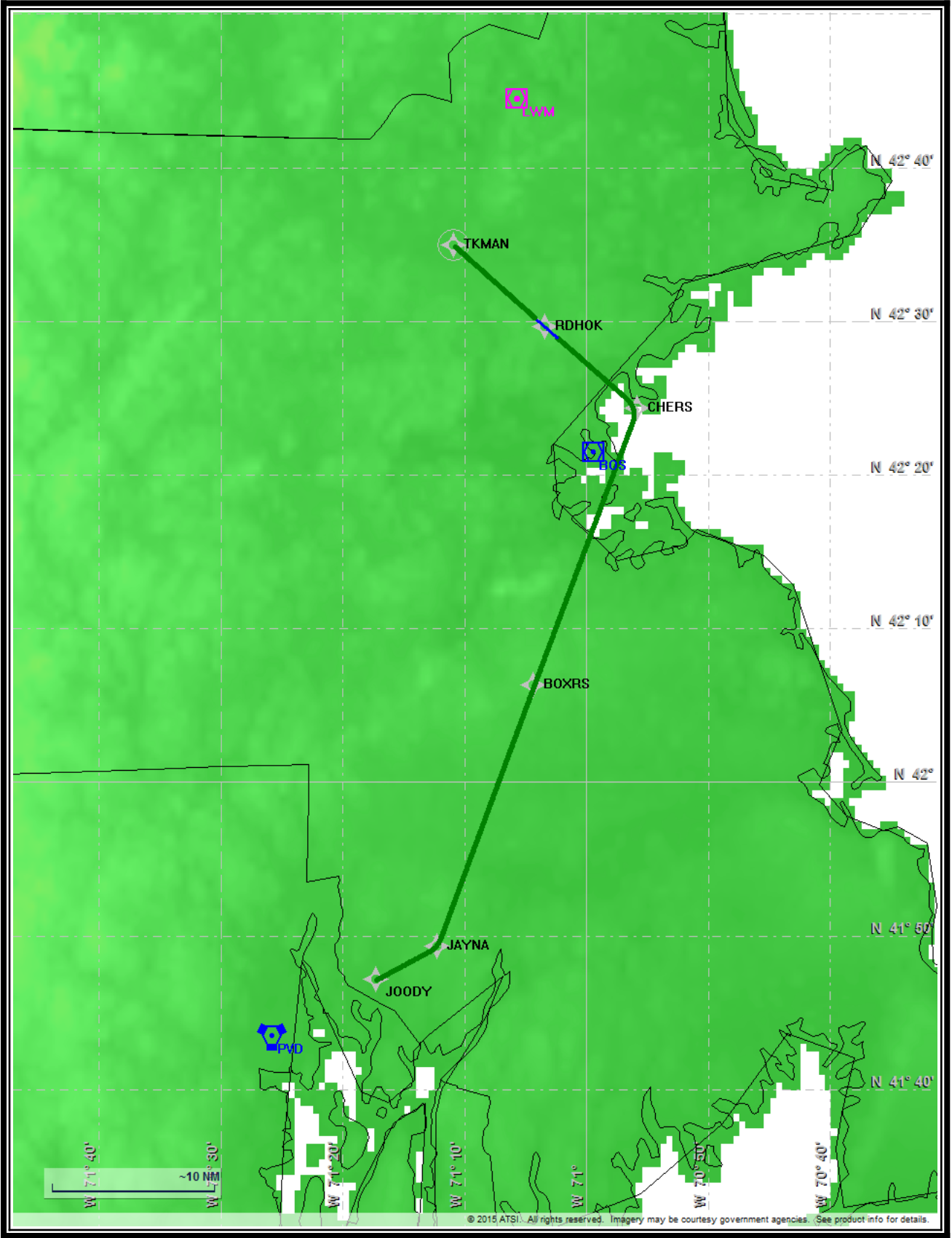
User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS ROBUC STAR.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [Mag]: 325.0° to 30.0°		Arc Distance: Out to 66.0 NM Altitude: 3000.0 to 18000.0 Ft.		
2	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H	650.0	117.40	PUT	Used
		ESV:	Bearing [True]: 45.0° to 105.0° Bearing [Mag]: 59.0° to 119.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 18000.0 Ft.		
3	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	302.2	112.50	LWM	Used
		Restriction:	Bearing [True]: 145.0° to 180.0° Bearing [Mag]: 160.0° to 195.0°		Distance: Beyond 23.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 25.0° to 195.0° Bearing [Mag]: 40.0° to 210.0°		Arc Distance: Out to 50.0 NM Altitude: 4000.0 to 17000.0 Ft.		



Name: DENNIS OSTERHAGE
Project Name: KBOS ROBUC2 STAR
Output File: KBOS ROBUC2 STAR
 JOODY TKMAN
 20151103_1031
Procedure Name: ROBUC2
Software: RNAV-Pro™
Version: 2.38
Date/Time: 11/3/2015 10:33:05 AM
Input File: KBOS ROBUC2 STAR
 JOODY TKMAN
 20151103_1008.txt
Databases: AIRNAV Date: 10/14/2015
 CIFP Date: 9/18/2015
 DTED® (MAX) Date: 2002

Results Summary:

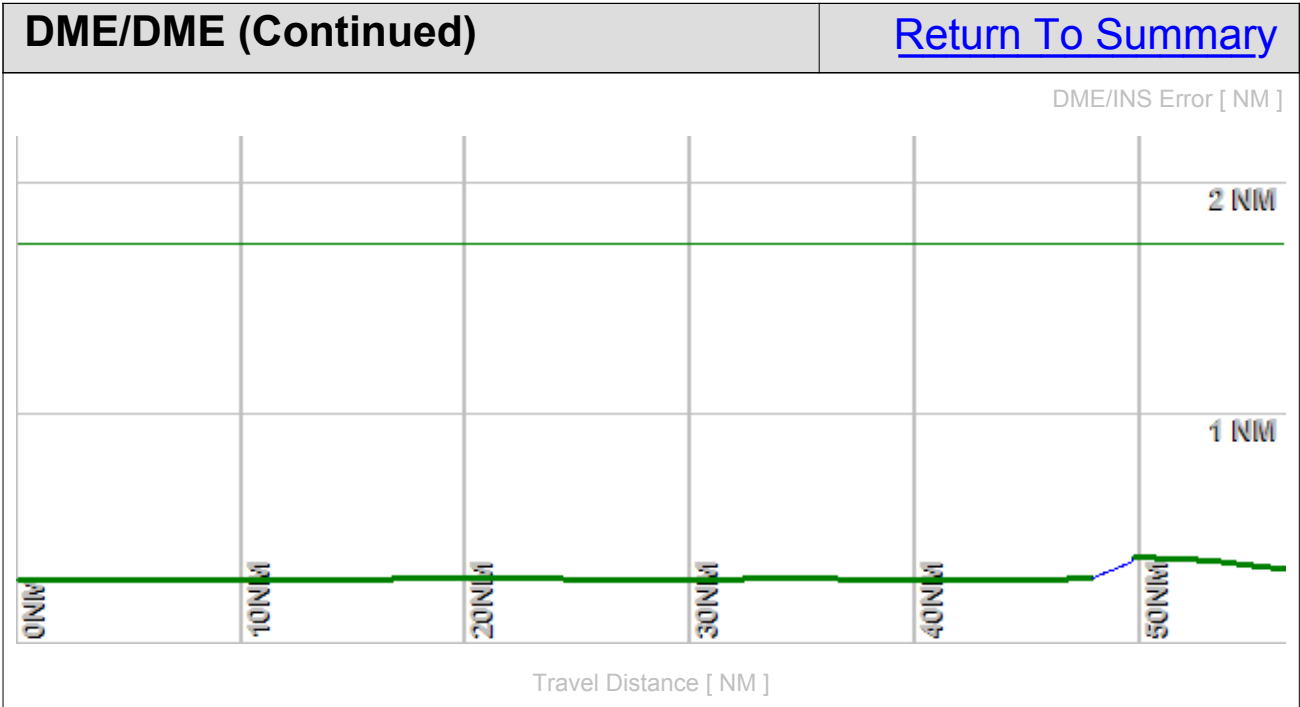
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JOODY	WP	N 41° 47' 7.37" W 71° 17' 15.23"	9000.0	Step	180.0	Fly By	TF
JAYNA	WP	N 41° 49' 15.90" W 71° 12' 13.60"	8000.0	Step	250.0	Fly By	TF
BOXRS	WP	N 42° 6' 16.24" W 71° 4' 17.45"	5000.0	Step	250.0	Fly By	TF
CHERS	WP	N 42° 24' 18.51" W 70° 55' 47.58"	4000.0	Step	220.0	Fly By	TF
RDHOK	WP	N 42° 29' 36.10" W 71° 3' 20.94"	4000.0	Step	210.0	Fly By	TF
TKMAN	WP	N 42° 34' 54.97" W 71° 10' 51.19"	4000.0	Step	210.0	Fly Over	TF

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

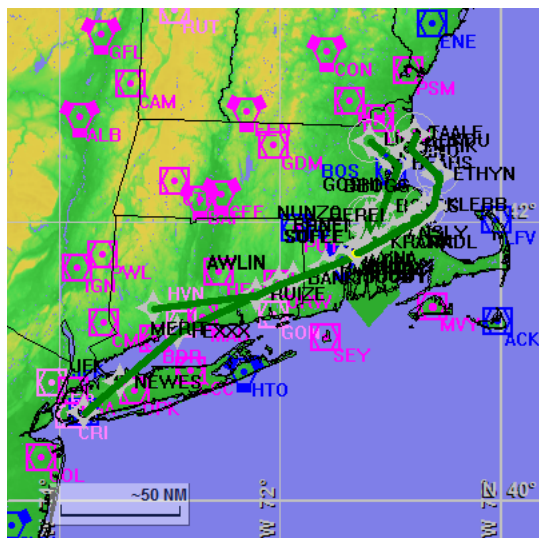
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max):	Evaluated
	DME Restrictions:	Evaluated
	Inertial Drift:	Enabled
	Initial Drift:	0.558 NM
	INS Drift Rate:	8.000 NM/Hour
	Range Mode:	OSV
	Co-Frequencies:	Evaluated
	RNP Edges:	Evaluated
	Min DME Range:	3.0 NM
	Allowed Gap Length:	4.0 NM
	DME Types:	VOR/DME, VORTAC, and User
	DME Include Angles:	30 to 150
	Critical DMEs:	Allowed
DoD Facilities:	Not included	
Foreign Facilities:	Not included	
Low & Terminal DMEs:	Included	
Flight Check DMEs:	Selected	
Higher Altitudes:	Evaluated	
Near Maximum Altitude:	Evaluated	
Total Number of DMEs Used: 7		
Maximum DME Error: 0.376 NM.		
No Critical DMEs were found.		
Available DMEs: PUT, BOS, ORW, PVD, MVY, LWM, MHT, PSM		
Foreign DMEs within range: YJN, YSC, VLV, YQI, YUL		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.789	Enabled	77.4%	77.4%
2	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.376	Enabled	18.1%	18.1%
3	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.422	Enabled	33.1%	33.1%
4	PVD	N 41° 43' 27.64" W 71° 25' 46.70" 14 W	H	Database	NO	0.376	Enabled	7.3%	7.3%
5	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L + ESV	User	NO	0.376	Enabled	19.2%	19.2%
6	MHT	N 42° 52' 6.71" W 71° 22' 10.32" 15 W	L	Database	NO	0.442	Enabled	26.3%	26.3%
7	PSM	N 43° 5' 4.06" W 70° 49' 55.15" 16 W	L	Database	NO	0.601	Enabled	12.0%	12.0%
	Total Coverage							96.7%	96.7%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		PUT	BOS	PVD	ORW	MVY			
3.7		PUT	BOS	PVD	LWM	MVY	ORW		
22.3		PUT	BOS	PVD	MHT	MVY	LWM		
40.3		PUT	BOS	LWM	MHT	MVY			
48.8		PSM	BOS	LWM	MHT				
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 42° 28' 55.61" W 71° 2' 22.82"			N 42° 30' 11.28" W 71° 4' 10.76"			1.8		
VOR: PSM				Available from N 42° 28' 55.61" W 71° 2' 22.82" to N 42° 30' 11.28" W 71° 4' 10.76"					
VOR: BOS				Available from N 42° 28' 55.61" W 71° 2' 22.82" to N 42° 30' 11.28" W 71° 4' 10.76"					
VOR: LWM				Available from N 42° 28' 55.61" W 71° 2' 22.82" to N 42° 30' 11.28" W 71° 4' 10.76"					
VOR: MHT				Available from N 42° 28' 55.61" W 71° 2' 22.82" to N 42° 30' 11.28" W 71° 4' 10.76"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JOODY	JAYNA	PUT, MVY, BOS, ORW, and PVD
JAYNA	BOXRS	LWM, PUT, MVY, BOS, PVD, and ORW*
BOXRS	CHERS	PUT, MVY, BOS, MHT, PVD, and LWM*
CHERS	RDHOK	LWM, PUT, MVY, BOS, and MHT
RDHOK	TKMAN	LWM, BOS, MHT, and PSM

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KBOS ROBUC2 STAR JOODY LINZI 20150827_1021.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [Mag]: 325.0° to 30.0°		Arc Distance: Out to 66.0 NM Altitude: 3000.0 to 18000.0 Ft.		
2	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H	650.0	117.40	PUT	Used
		ESV:	Bearing [True]: 45.0° to 105.0° Bearing [Mag]: 59.0° to 119.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 18000.0 Ft.		
3	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	302.2	112.50	LWM	Used
		Restriction:	Bearing [True]: 145.0° to 180.0° Bearing [Mag]: 160.0° to 195.0°		Distance: Beyond 23.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 25.0° to 195.0° Bearing [Mag]: 40.0° to 210.0°		Arc Distance: Out to 50.0 NM Altitude: 4000.0 to 17000.0 Ft.		



Name: MARK SCHOENHOFF
Project Name: KBOS ROBUC2 STAR
Output File: KBOS ROBUC2 STAR
 MERIT NUNZO
 20150827_1021
Procedure Name: ROBUC2
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/27/2015 10:23:17 AM
Input File: KBOS ROBUC2 STAR
 MERIT NUNZO
 20150827_0841.txt
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

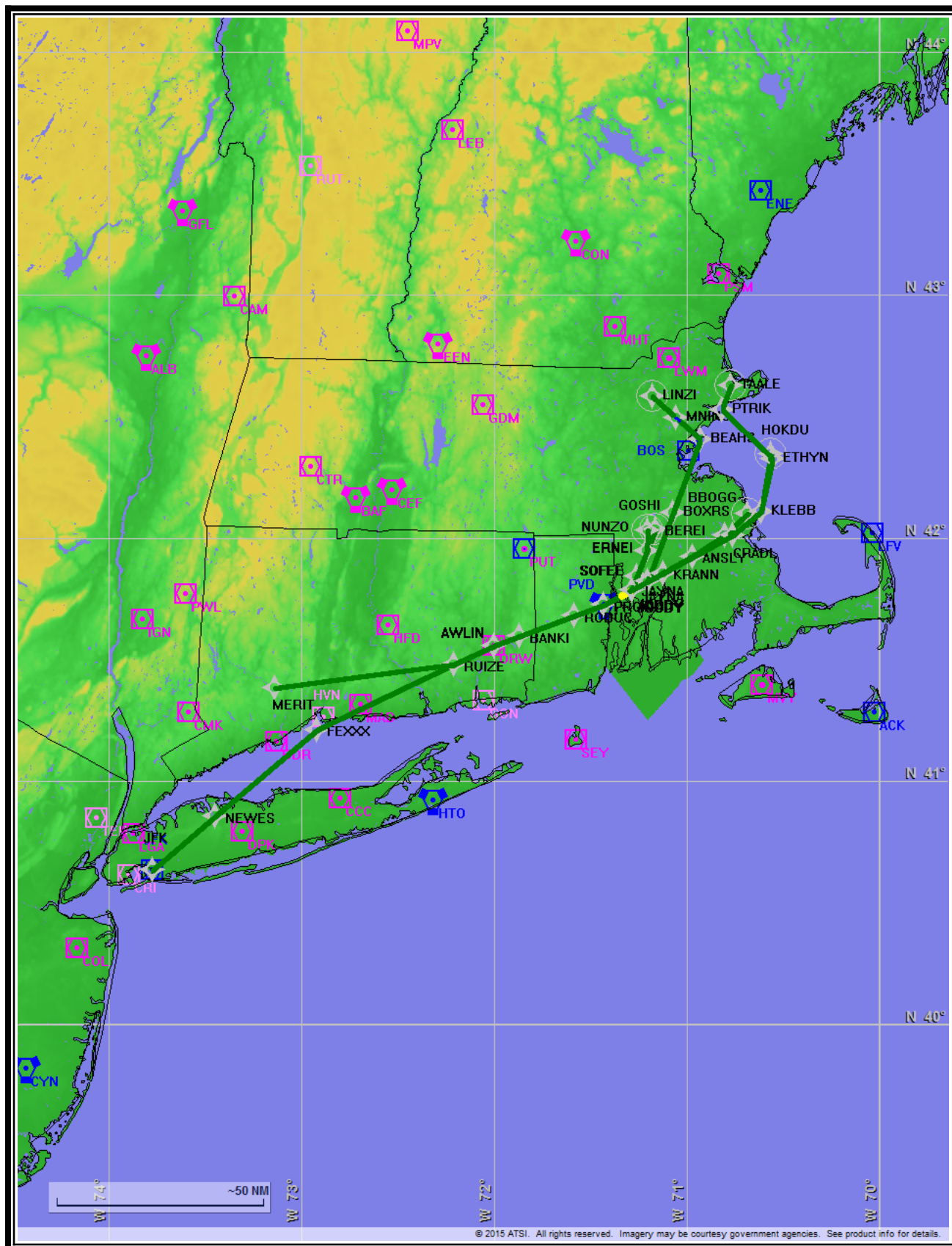


Comms



TERPS

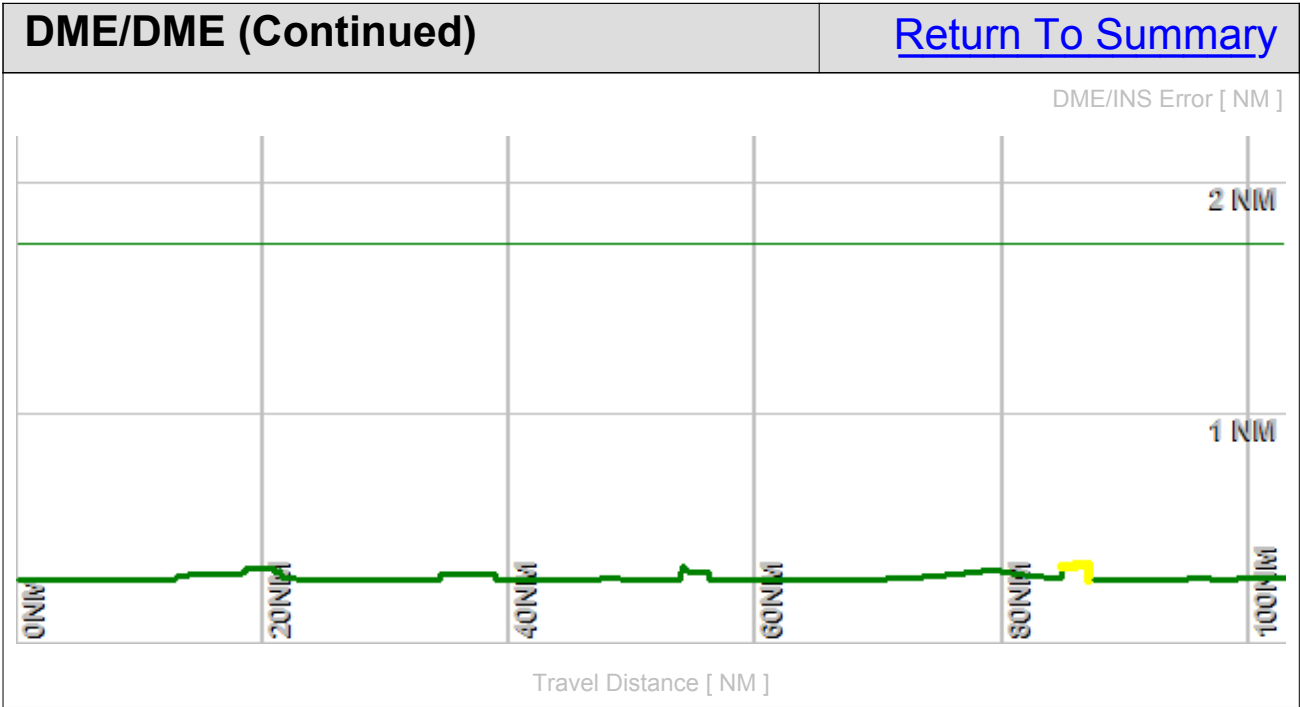




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
MERIT	WP	N 41° 22' 55.02" W 73° 8' 14.75"	17000.0	Step	270.0	Fly By	TF
RUIZE	WP	N 41° 28' 45.63" W 72° 12' 33.94"	17000.0	Step	270.0	Fly By	TF
AWLIN	WP	N 41° 33' 22.48" W 71° 59' 56.97"	17000.0	Step	270.0	Fly By	TF
BANKI	WP	N 41° 35' 44.39" W 71° 52' 3.63"	14000.0	Step	270.0	Fly By	TF
ROBUC	WP	N 41° 40' 44.11" W 71° 35' 6.42"	11000.0	Step	260.0	Fly By	TF
PROVI	WP	N 41° 43' 25.46" W 71° 25' 54.17"	9000.0	Step	220.0	Fly By	TF
JOODY	WP	N 41° 47' 7.37" W 71° 17' 15.23"	9000.0	Step	220.0	Fly By	TF
SOFEE	WP	N 41° 50' 35.42" W 71° 15' 32.13"	8000.0	Step	220.0	Fly By	TF
ERNEI	WP	N 41° 56' 41.29" W 71° 12' 30.68"	6000.0	Step	210.0	Fly By	TF
NUNZO	WP	N 42° 1' 51.20" W 71° 12' 13.36"	6000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KBOS Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low & Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p>Total Number of DMEs Used: 15</p> <p>Maximum DME Error: 0.347 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: PUT, BDR, CCC, CMK, DPK, HFD, HTO, HUO, IGN, JFK, MAD, PVD, PWL, RBV, SAX, ORW, BOS, SEY, ACK, LFV, GON, MVY, LWM</p> <p>Foreign DMEs within range: YJN, YSC, VLV</p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CCC	N 40° 55' 46.62" W 72° 47' 55.89" 13 W	L	Database	NO	0.347	Enabled	6.2%	6.6%
2	HFD	N 41° 38' 27.98" W 72° 32' 50.70" 13 W	L	Database	NO	0.742	Enabled	27.9%	29.5%
3	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	Database	NO	0.590	Enabled	20.1%	21.2%
4	JFK	N 40° 37' 58.40" W 73° 46' 17.00" 12 W	H	Database	NO	0.347	Enabled	7.3%	7.7%
5	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	Database	NO	0.347	Enabled	5.8%	6.1%
6	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.350	Enabled	13.8%	13.8%
7	MAD	N 41° 18' 49.81" W 72° 41' 31.89" 13 W	L	Database	NO	0.347	Enabled	0.6%	0.6%
8	PVD	N 41° 43' 27.64" W 71° 25' 46.70" 14 W	H	Database	NO	0.384	Enabled	21.1%	20.7%
9	ORW	N 41° 33' 23.05" W 71° 59' 57.67" 14 W	L	Database	NO	0.371	Enabled	15.9%	15.7%
10	BDR	N 41° 9' 38.50" W 73° 7' 28.19" 12 W	L	Database	NO	0.347	Enabled	2.4%	2.6%
11	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.445	Enabled	48.7%	46.9%
12	SEY	N 41° 10' 2.77" W 71° 34' 33.91" 15 W	L	Database	NO	0.351	Enabled	15.2%	15.0%
13	ACK	N 41° 16' 54.79" W 70° 1' 36.16" 15 W	H	Database	NO	0.347	Enabled	1.8%	1.9%
14	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.347	Enabled	6.5%	5.7%
15	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L + ESV	User	NO	0.347	Enabled	6.7%	5.9%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		CCC	HUO	HTO	JFK	HFD	BDR		
18.7		BOS	HUO	HTO	PVD	MAD	CCC		

DME/DME (Continued)				Return To Summary		
Flight Check DME Selection (Continued)						
Distance [NM]	Selected DMEs					Alternate
28.7	BOS	ORW	PUT	HFD	BDR	HTO
41.6	BOS	SEY	PUT	HFD	HTO	MAD
52.5	JFK	SEY	PUT	HFD	ACK	PVD
59.1	PVD	SEY	PUT	HFD	ORW	GON
72.8	PVD	SEY	PUT	ORW		
79.9	PVD	SEY	PUT	BOS	ORW	
87.0	PVD	MVY	PUT	BOS	ORW	
91.3	PVD	MVY	PUT	BOS	LWM	
97.4	PVD	MVY	PUT	BOS	LWM	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
MERIT	RUIZE	PUT, BDR, BOS, CCC, HFD, HTO, HUO, JFK, MAD, ORW, PVD, CMK*, DPK*, IGN*, PWL*, RBV*, SAX*, and SEY*
RUIZE	AWLIN	PUT, BOS, HFD, HTO, SEY, ACK*, JFK*, LRV*, MAD*, ORW*, and PVD*
AWLIN	BANKI	PUT, ACK, HFD, JFK, SEY, BOS*, HTO*, LRV*, MAD*, ORW*, and PVD*
BANKI	ROBUC	PUT, HFD, ORW, PVD, SEY, and GON*
ROBUC	PROVI	PUT, ORW, PVD, and SEY
PROVI	JOODY	PUT, BOS, ORW, PVD, and SEY
JOODY	SOFE	PUT, MVY, BOS, ORW, and PVD
SOFE	ERNEI	LWM, PUT, MVY, BOS, and PVD
ERNEI	NUNZO	LWM, PUT, MVY, BOS, and PVD

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS ROBUC STAR.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [Mag]: 325.0° to 30.0°			Arc Distance: Out to 66.0 NM Altitude: 3000.0 to 18000.0 Ft.	
2	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H	650.0	117.40	PUT	Used
		ESV:	Bearing [True]: 45.0° to 105.0° Bearing [Mag]: 59.0° to 119.0°			Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 18000.0 Ft.	
3	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	302.2	112.50	LWM	Used
		Restriction:	Bearing [True]: 145.0° to 180.0° Bearing [Mag]: 160.0° to 195.0°			Distance: Beyond 23.0 NM Altitude: Below 2500.0 Ft.	
		ESV:	Bearing [True]: 25.0° to 195.0° Bearing [Mag]: 40.0° to 210.0°			Arc Distance: Out to 50.0 NM Altitude: 4000.0 to 17000.0 Ft.	