

Name: MARK SCHOENHOFF
Project Name: KBOS JFUND1 STAR
Output File: KBOS JFUND1 STAR
HRRIS JOBEE
20151019_1124
Procedure Name: JFUND1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 10/19/2015 11:25:24 AM
Input File: KBOS JFUND1 STAR
HRRIS JOBEE
20151019_1107.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

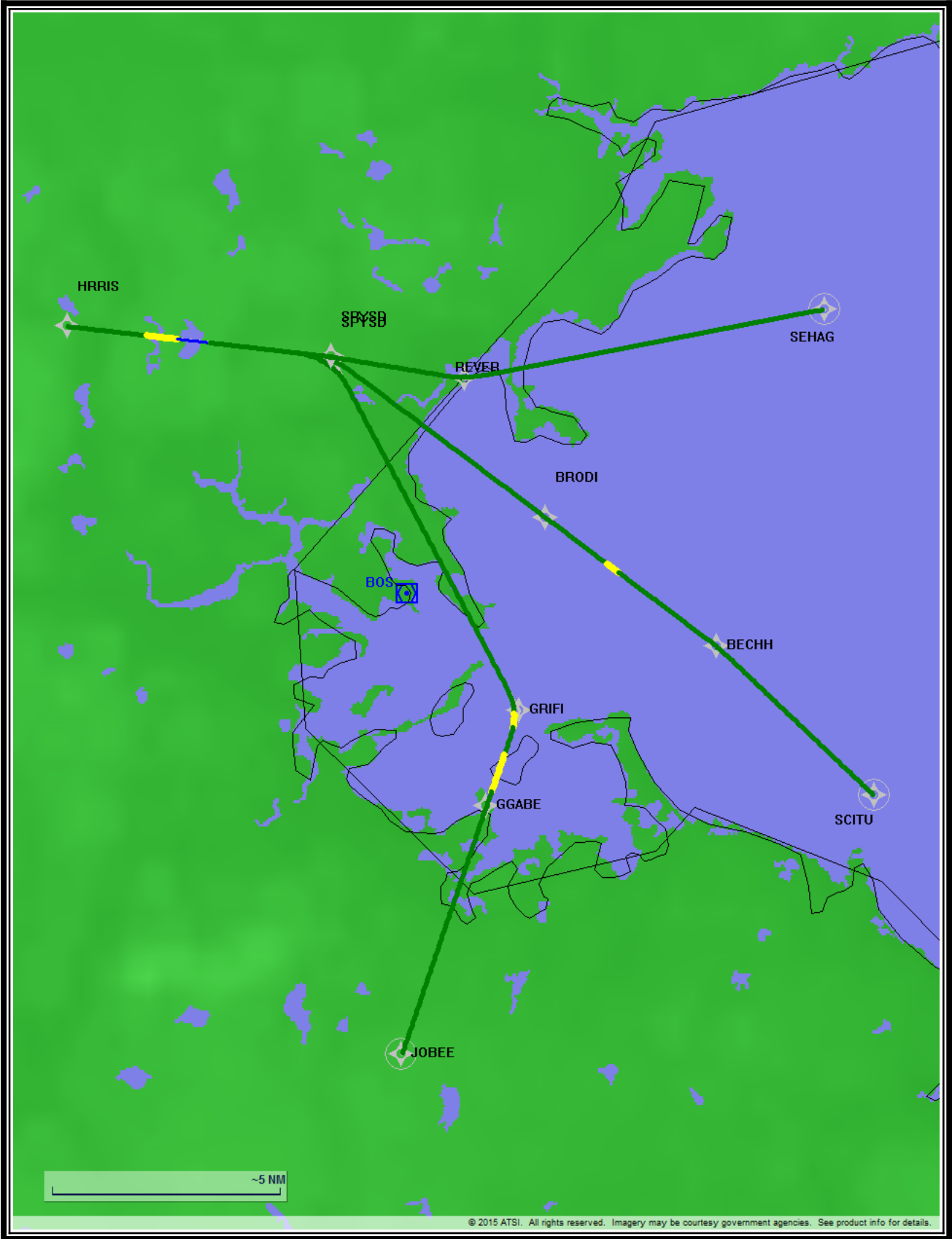


Comms



TERPS

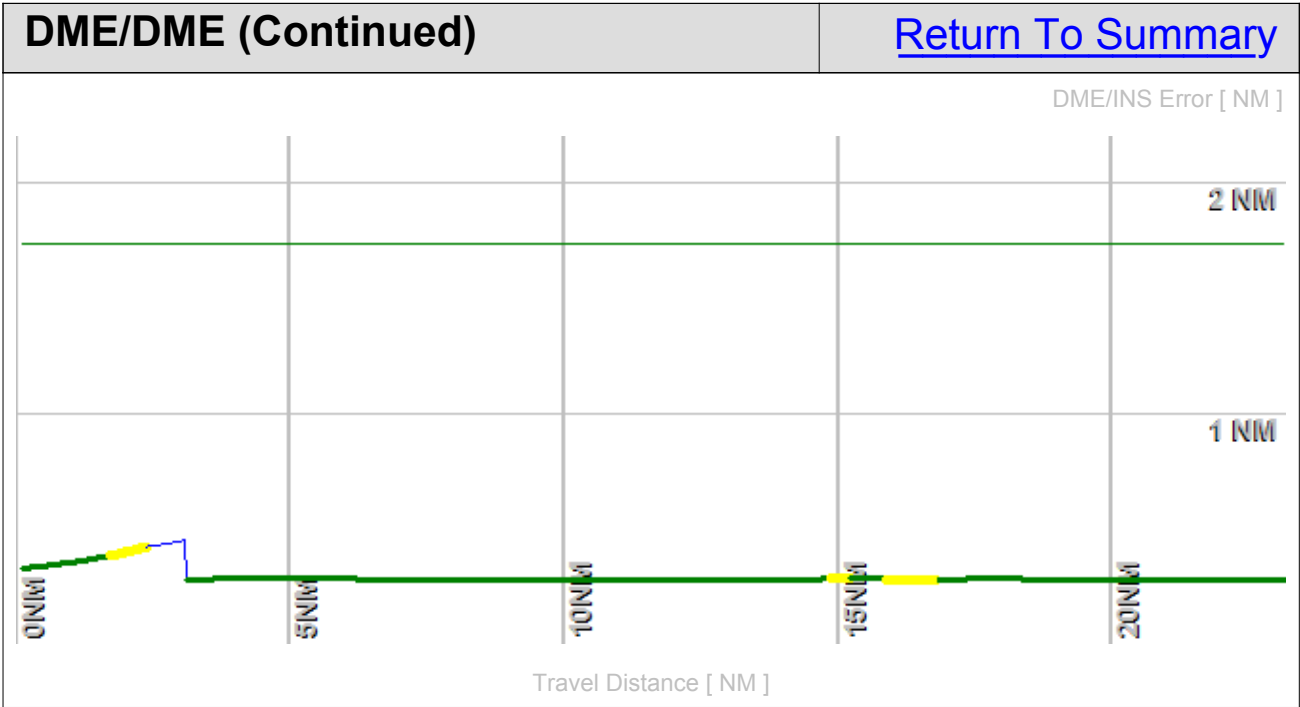




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
HRRIS	WP	N 42° 27' 40.77" W 71° 9' 21.69"	6000.0	Step	220.0	Fly By	TF
SPYSD	WP	N 42° 26' 58.45" W 71° 1' 37.25"	4000.0	Step	220.0	Fly By	TF
GRIFI	WP	N 42° 18' 42.17" W 70° 56' 5.73"	4000.0	Step	220.0	Fly By	TF
GGABE	WP	N 42° 16' 29.28" W 70° 57' 3.28"	4000.0	Step	220.0	Fly By	TF
JOBEE	WP	N 42° 10' 41.96" W 70° 59' 32.15"	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	

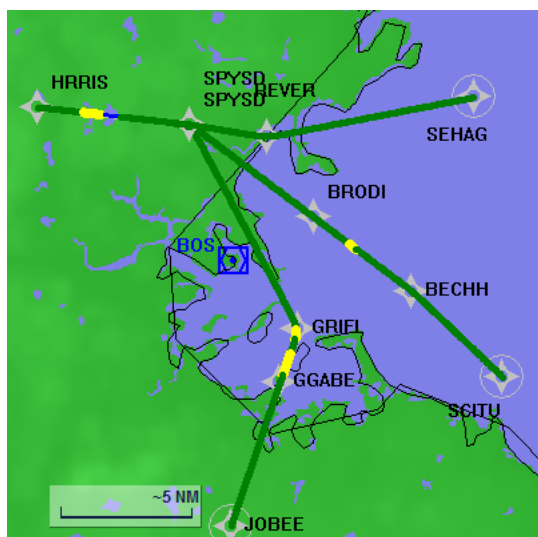
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min 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: 5		
Maximum DME Error: 0.447 NM.		
No Critical DMEs were found.		
Available DMEs: BOS, LWM, MHT, PUT, MVY, PVD		
Foreign DMEs within range: VLV, YJN, YQI, YSC, YUL		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.680	Enabled	24.2%	24.2%
2	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	Database	NO	0.680	Enabled	10.8%	10.8%
3	MHT	N 42° 52' 6.71" W 71° 22' 10.32" 15 W	L	Database	NO	0.436	Enabled	44.8%	44.8%
4	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	1.036	Enabled	86.8%	86.8%
5	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.447	Enabled	27.1%	27.1%
	Total Coverage							96.9%	96.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		BOS	LWM	PUT	MHT				
4.9		BOS	LWM	PUT	MHT	MVY			
14.2		BOS	LWM	PUT	MHT	MVY			
17.1		BOS	LWM	PUT	PVD	MVY			
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 42° 27' 23.32" W 71° 6' 9.25"			N 42° 27' 18.44" W 71° 5' 15.62"			0.7		
VOR: PSM				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: BOS				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: LWM				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: MHT				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
HRRIS	SPYSD	PUT, BOS, LWM, and MHT
SPYSD	GRIFI	PUT, MVY, BOS, LWM, and MHT
GRIFI	GGABE	PUT, MVY, BOS, LWM, and MHT
GGABE	JOBEE	PUT, MVY, BOS, LWM, and PVD

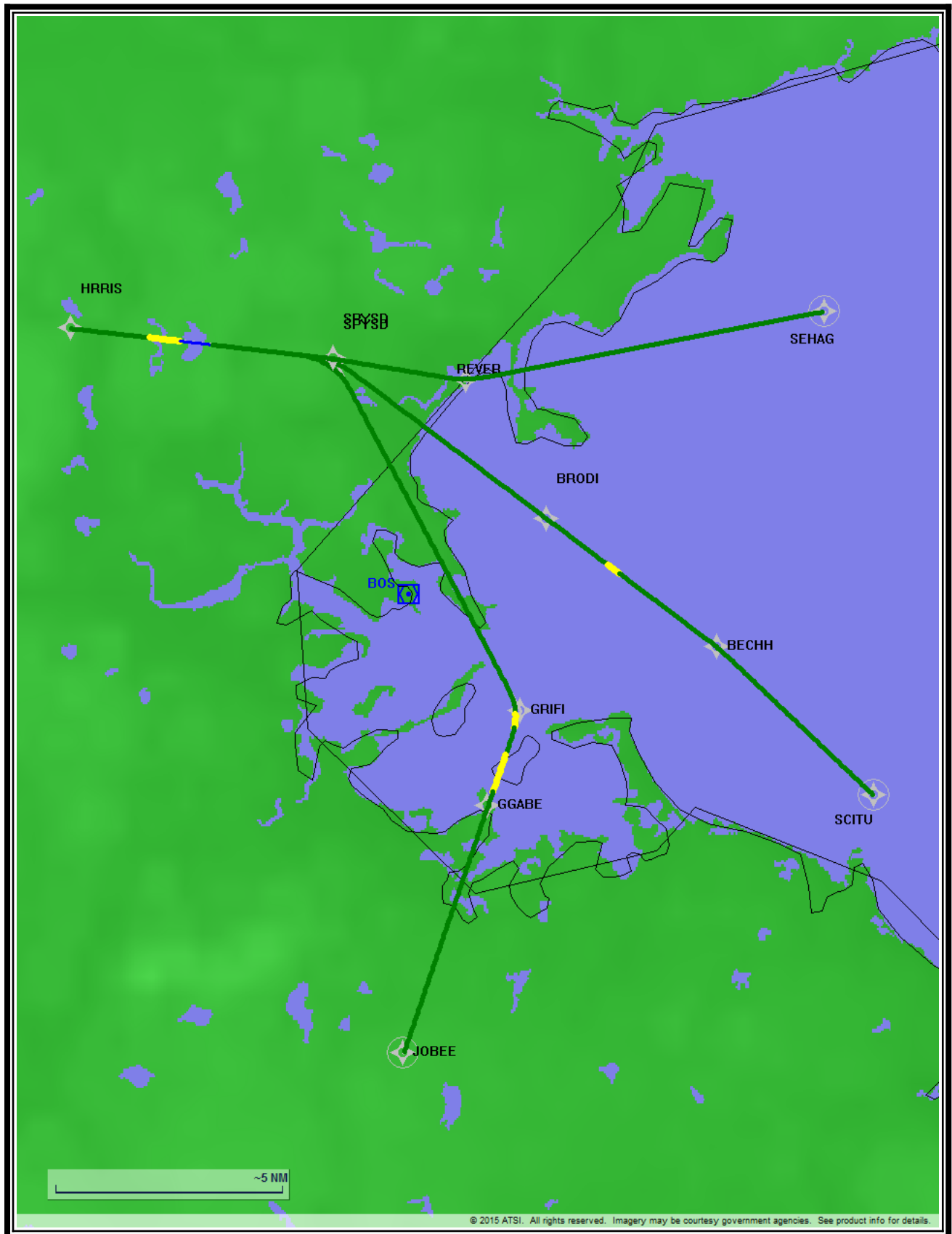
User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS JFUND STAR.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [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	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Not Used
		ESV:	Bearing [True]: 344.0° to 3.0° Bearing [Mag]: 356.0° to 15.0°		Arc Distance: Out to 66.0 NM Altitude: 15000.0 to 19000.0 Ft.		
4	HNK	N 42° 3' 47.01" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Not Used
		ESV:	Bearing [True]: 52.0° to 67.0° Bearing [Mag]: 63.0° to 78.0°		Arc Distance: Out to 88.0 NM Altitude: 15000.0 to 19000.0 Ft.		



Name: MARK SCHOENHOFF
Project Name: KBOS JFUND1 STAR
Output File: KBOS JFUND1 STAR
HRRIS SCITU
20151019_1124
Procedure Name: JFUND1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 10/19/2015 11:25:59 AM
Input File: KBOS JFUND1 STAR
HRRIS SCITU
20151019_1110.txt
Databases: AIRNAV Date: 10/14/2015
CIFP Date: 9/18/2015
DTED® (MAX) Date: 2002

Results Summary:

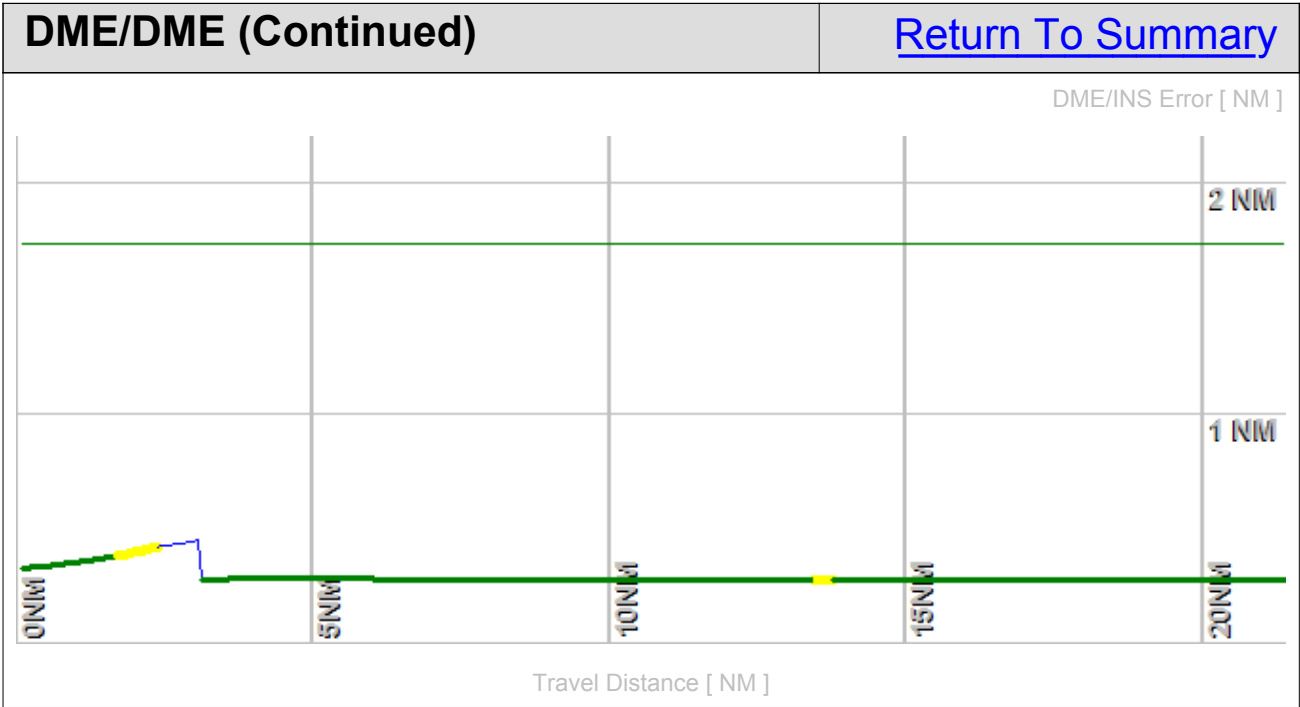
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
HRRIS	WP	N 42° 27' 40.77" W 71° 9' 21.69"	6000.0	Step	220.0	Fly By	TF
SPYSD	WP	N 42° 26' 58.45" W 71° 1' 37.25"	4000.0	Step	220.0	Fly By	TF
BRODI	WP	N 42° 23' 12.97" W 70° 55' 18.28"	4000.0	Step	220.0	Fly By	TF
BECHH	WP	N 42° 20' 12.83" W 70° 50' 16.49"	4000.0	Step	220.0	Fly By	TF
SCITU	WP	N 42° 16' 43.48" W 70° 45' 38.19"	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	

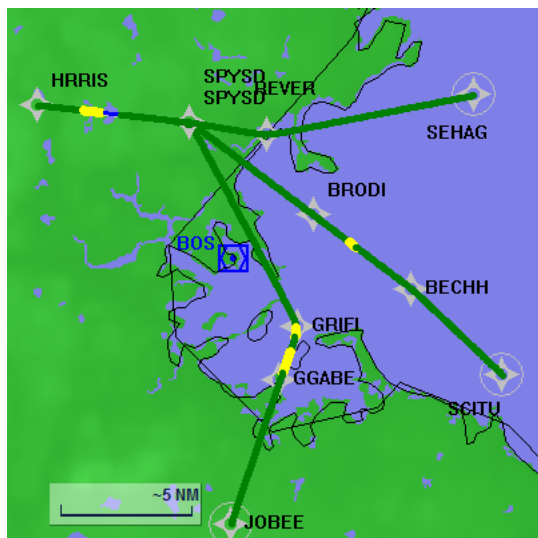
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min 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: 5		
Maximum DME Error: 0.447 NM.		
No Critical DMEs were found.		
Available DMEs: BOS, LWM, MHT, PUT, MVY, LFV		
Foreign DMEs within range: VLV, YJN, YQI, YSC, YUL		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.680	Enabled	18.2%	18.2%
2	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	Database	NO	0.680	Enabled	44.4%	44.4%
3	MHT	N 42° 52' 6.71" W 71° 22' 10.32" 15 W	L	Database	NO	0.436	Enabled	44.9%	44.9%
4	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.967	Enabled	84.2%	84.2%
5	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L + ESV	User	NO	0.447	Enabled	1.6%	1.6%
	Total Coverage							96.6%	96.6%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		BOS	LWM	PUT	MHT				
5.2		BOS	LWM	PUT	MHT	MVY			
11.7		BOS	LWM	PUT	MHT	MVY			
16.3		BOS	LWM	PUT	LFV	MVY			
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 42° 27' 23.32" W 71° 6' 9.25"			N 42° 27' 18.44" W 71° 5' 15.62"			0.7		
VOR: PSM				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: BOS				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: LWM				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: MHT				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
HRRIS	SPYSD	PUT, BOS, LWM, and MHT
SPYSD	BRODI	PUT, MVY, BOS, LWM, and MHT
BRODI	BECHH	PUT, MVY, BOS, LWM, and MHT
BECHH	SCITU	PUT, MVY, BOS, LFM, and LWM

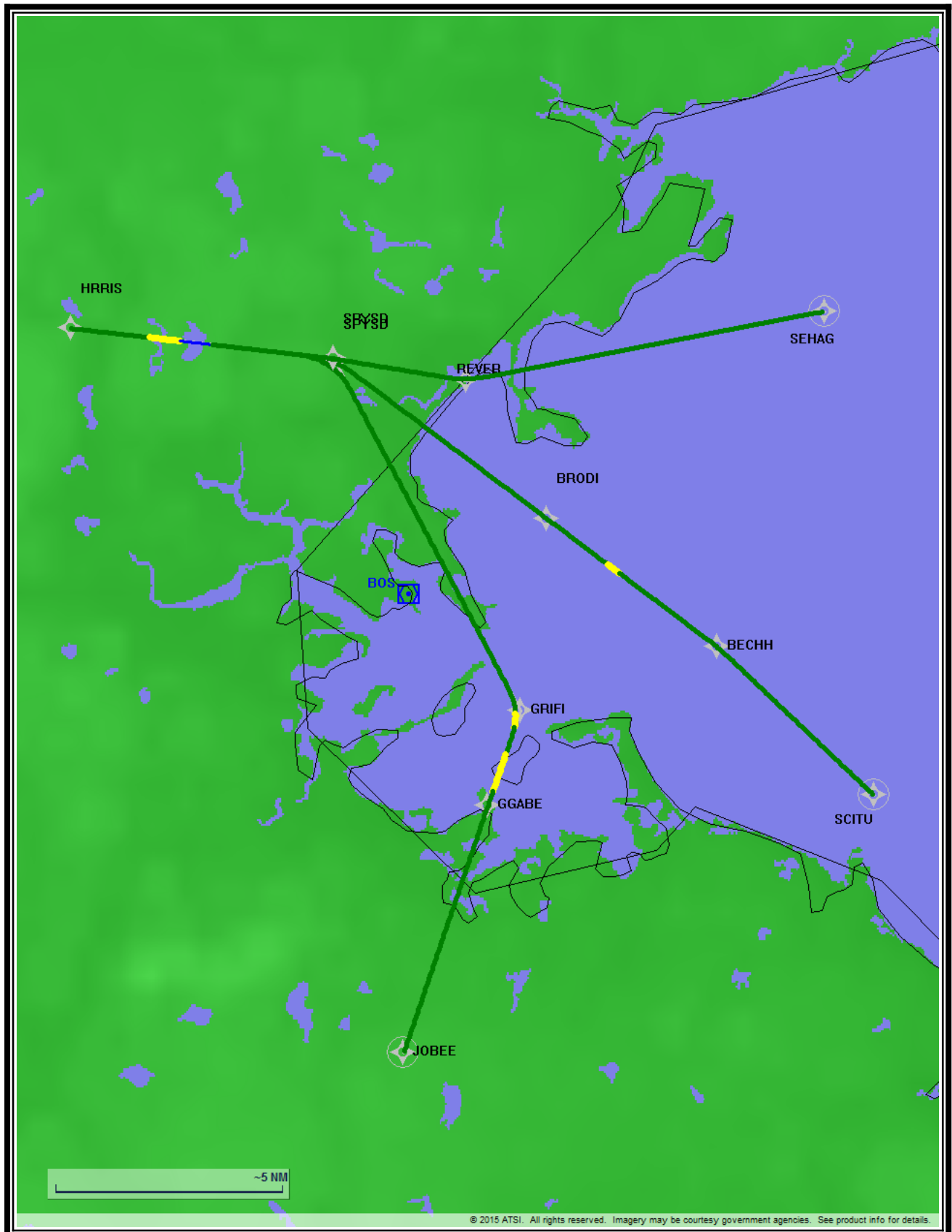
User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS JFUND STAR.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Used
		ESV:	Bearing [True]: 310.0° to 15.0° Bearing [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	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Not Used
		ESV:	Bearing [True]: 344.0° to 3.0° Bearing [Mag]: 356.0° to 15.0°		Arc Distance: Out to 66.0 NM Altitude: 15000.0 to 19000.0 Ft.		
4	HNK	N 42° 3' 47.01" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Not Used
		ESV:	Bearing [True]: 52.0° to 67.0° Bearing [Mag]: 63.0° to 78.0°		Arc Distance: Out to 88.0 NM Altitude: 15000.0 to 19000.0 Ft.		



Name: MARK SCHOENHOFF
Project Name: KBOS JFUND1 STAR
Output File: KBOS JFUND1 STAR
HRRIS SEHAG
20151019_1124
Procedure Name: JFUND1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 10/19/2015 11:26:32 AM
Input File: KBOS JFUND1 STAR
HRRIS SEHAG
20151019_1111.txt
Databases: AIRNAV Date: 10/14/2015
CIFP Date: 9/18/2015
DTED® (MAX) Date: 2002

Results Summary:

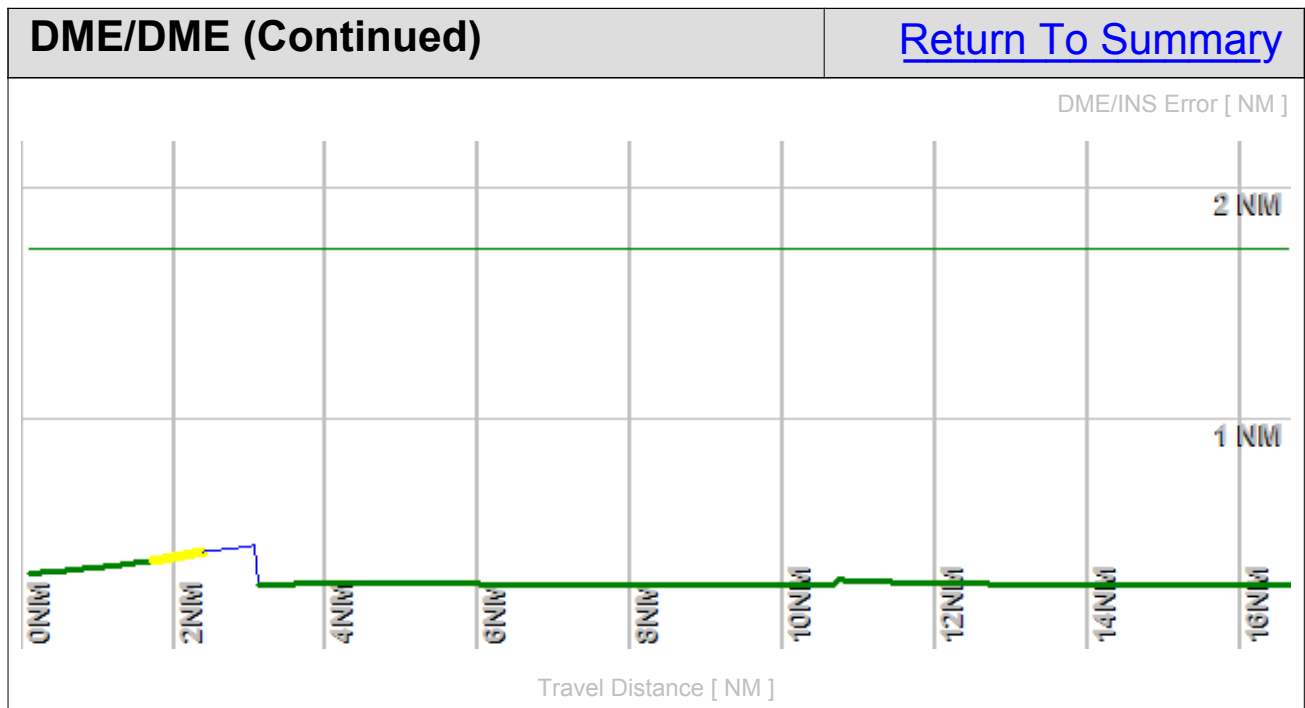
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
HRRIS	WP	N 42° 27' 40.77" W 71° 9' 21.69"	6000.0	Step	220.0	Fly By	TF
SPYSD	WP	N 42° 26' 58.45" W 71° 1' 37.25"	4000.0	Step	220.0	Fly By	TF
REVER	WP	N 42° 26' 27.48" W 70° 57' 41.31"	4000.0	Step	220.0	Fly By	TF
SEHAG	WP	N 42° 28' 4.94" W 70° 47' 6.19"	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	

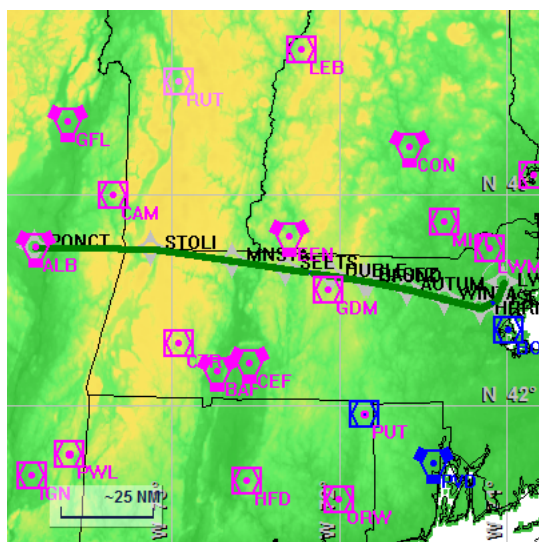
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min 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: 4		
Maximum DME Error: 0.447 NM.		
No Critical DMEs were found.		
Available DMEs: BOS, LWM, MHT, PUT		
Foreign DMEs within range: VLV, YJN, YQI, YSC, YUL		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.680	Enabled	57.3%	57.3%
2	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	Database	NO	0.680	Enabled	24.0%	24.0%
3	MHT	N 42° 52' 6.71" W 71° 22' 10.32" 15 W	L	Database	NO	0.436	Enabled	64.3%	64.3%
4	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.700	Enabled	45.7%	45.7%
	Total Coverage							95.7%	95.7%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		BOS	LWM	PUT	MHT				
5.6		LWM	PUT	MHT					
8.2		BOS	LWM	PUT	MHT				
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	
1	N 42° 27' 23.32" W 71° 6' 9.25"			N 42° 27' 18.44" W 71° 5' 15.62"				0.7	
VOR: PSM				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: BOS				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: LWM				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					
VOR: MHT				Available from N 42° 27' 23.32" W 71° 6' 9.25" to N 42° 27' 18.44" W 71° 5' 15.62"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
HRRIS	SPYSD	PUT, BOS, LWM, and MHT
SPYSD	REVER	PUT, LWM, and MHT
REVER	SEHAG	PUT, BOS, LWM, and MHT

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KBOS JFUND 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	Not 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	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Not Used
		ESV:	Bearing [True]: 344.0° to 3.0° Bearing [Mag]: 356.0° to 15.0°		Arc Distance: Out to 66.0 NM Altitude: 15000.0 to 19000.0 Ft.		
4	HNK	N 42° 3' 47.01" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Not Used
		ESV:	Bearing [True]: 52.0° to 67.0° Bearing [Mag]: 63.0° to 78.0°		Arc Distance: Out to 88.0 NM Altitude: 15000.0 to 19000.0 Ft.		



Name:	DENNIS OSTERHAGE
Project Name:	KBOS JFUND2 STAR
Output File:	KBOS JFUND1 STAR PONCT LWLND 20151104_1135
Procedure Name:	JFUND1
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	11/4/2015 11:36:34 AM
Input File:	KBOS JFUND1 STAR PONCT LWLND 20151104_1123.txt
Databases:	AIRNAV Date: 10/14/2015 CIFP Date: 9/18/2015 DTED® (MAX) Date: 2002

Flyability



DME/DME



No Critical DMEs Exist

Radars

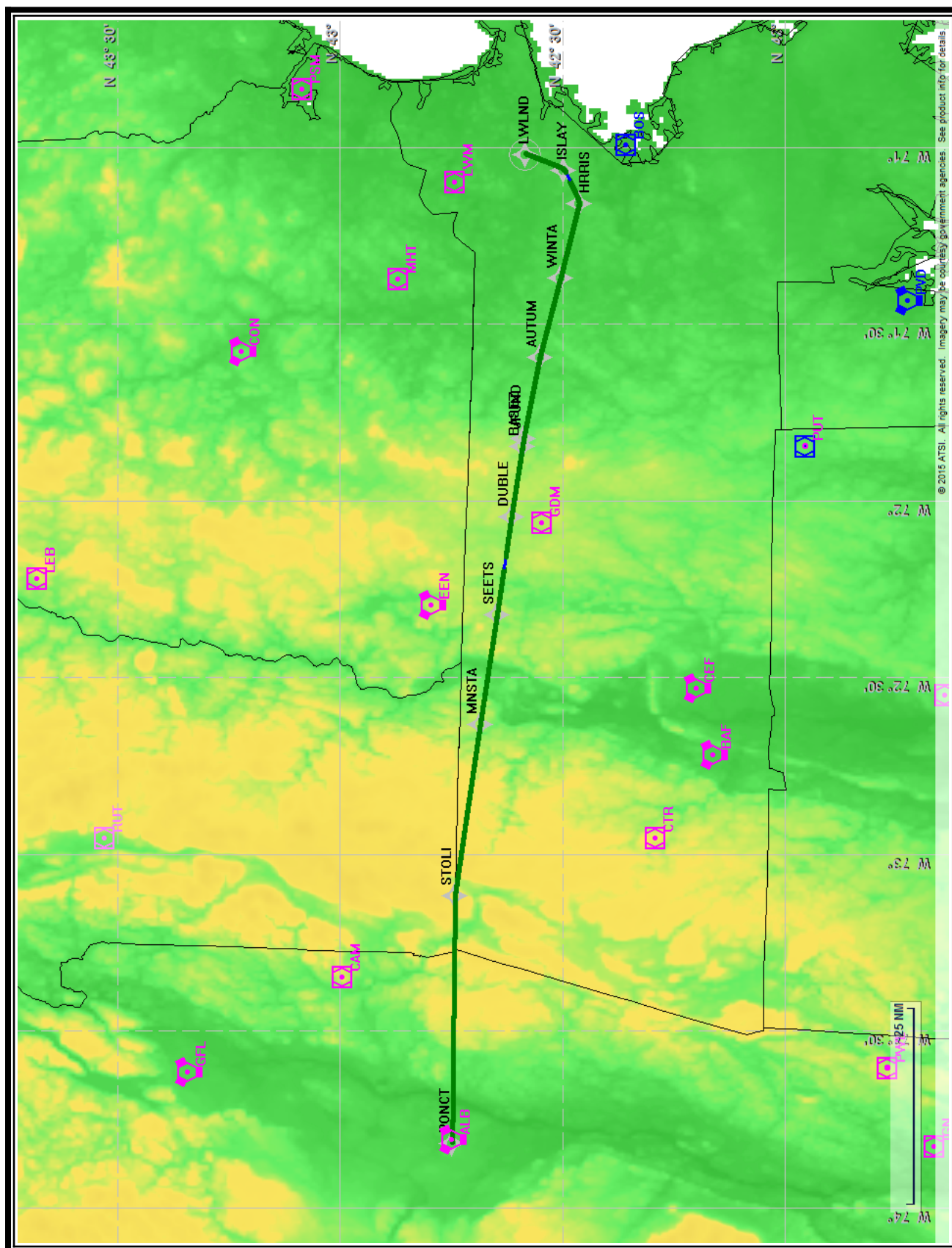


Comms



TERPS

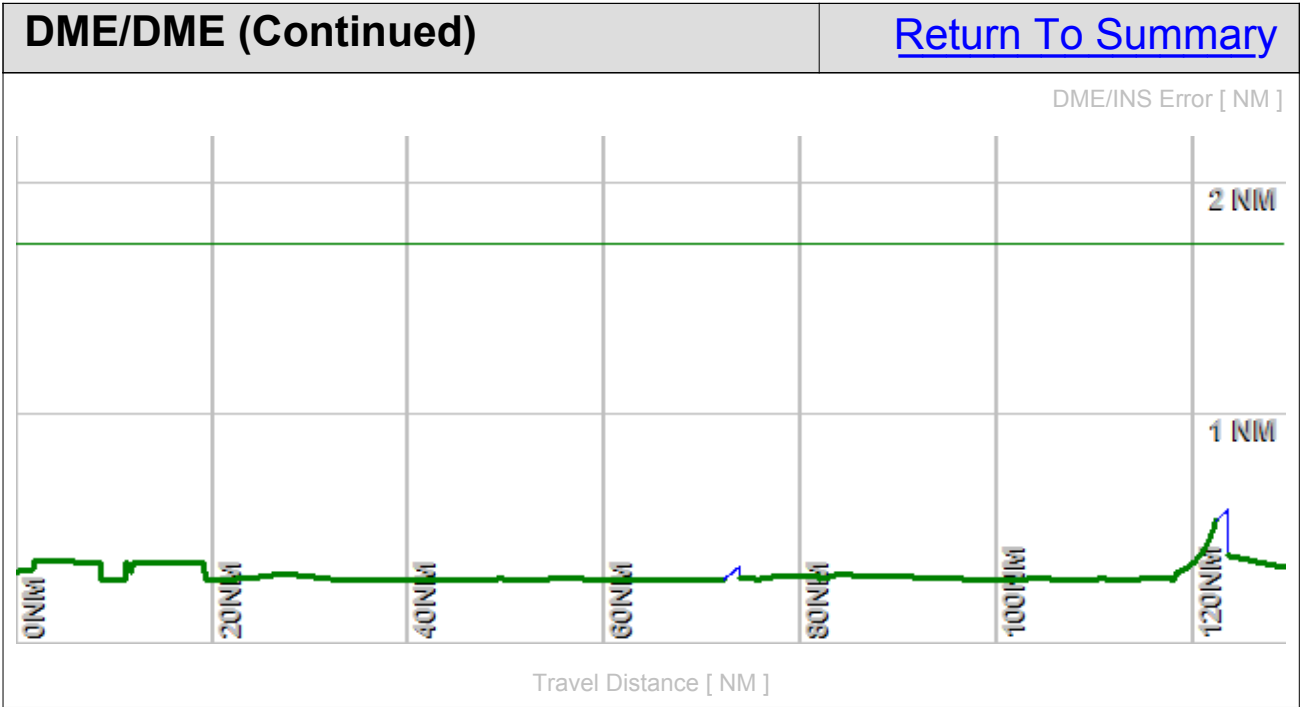




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
PONCT	WP	N 42° 44' 48.83" W 73° 48' 48.07"	17000.0	Step	250.0	Fly By	TF
STOLI	WP	N 42° 44' 26.75" W 73° 6' 52.28"	17000.0	Step	210.0	Fly By	TF
MNSTA	WP	N 42° 41' 3.33" W 72° 37' 48.69"	17000.0	Step	210.0	Fly By	TF
SEETS	WP	N 42° 38' 46.19" W 72° 19' 5.71"	14000.0	Step	280.0	Fly By	TF
DUBLE	WP	N 42° 36' 50.17" W 72° 2' 31.58"	12000.0	Step	210.0	Fly By	TF
BASEZ	WP	N 42° 35' 21.36" W 71° 50' 36.02"	9000.0	Step	180.0	Fly By	TF
JFUND	WP	N 42° 35' 11.34" W 71° 49' 15.93"	9000.0	Step	180.0	Fly By	TF
AUTUM	WP	N 42° 33' 1.17" W 71° 35' 32.36"	9000.0	Step	270.0	Fly By	TF
WINTA	WP	N 42° 30' 12.45" W 71° 21' 59.67"	8000.0	Step	250.0	Fly By	TF
HRRIS	WP	N 42° 27' 40.77" W 71° 9' 21.69"	6000.0	Step	180.0	Fly By	TF
ISLAY	WP	N 42° 29' 46.42" W 71° 3' 39.16"	4000.0	Step	220.0	Fly By	TF
LWLND	WP	N 42° 34' 56.56" W 71° 1' 6.27"	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: 13</p> <p>Maximum DME Error: 0.579 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: PWL, CAM, HUO, PUT, GFL, ALB, CTR, EEN, BOS, PVD, BAF, GDM, ENE, MHT, LWM, PSM</p> <p>Foreign DMEs within range: UTR, VLV, YCF, YJN, YOW, YSC, YUL, YXI, YQI</p>	



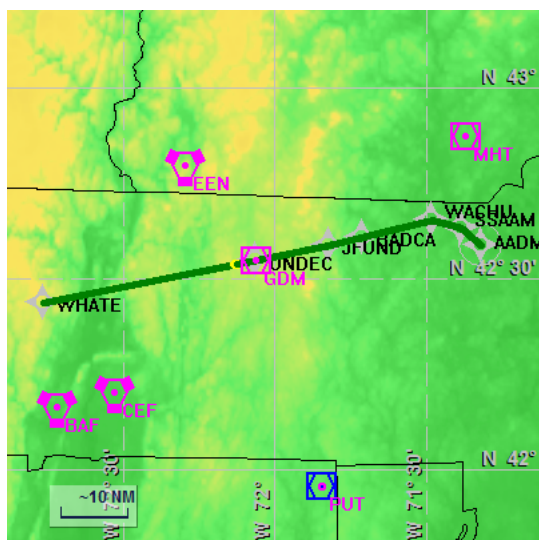
DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L + ESV	User	NO	0.616	Enabled	3.1%	3.3%
2	CAM	N 42° 59' 39.44" W 73° 20' 38.47" 14 W	L	Database	NO	0.583	Enabled	10.7%	11.5%
3	PUT	N 41° 57' 19.65" W 71° 50' 38.76" 14 W	H + ESV	User	NO	0.579	Enabled	10.7%	11.5%
4	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	Database	NO	0.579	Enabled	10.3%	11.1%
5	ALB	N 42° 44' 50.21" W 73° 48' 11.47" 13 W	L	Database	NO	0.585	Enabled	12.0%	12.9%
6	CTR	N 42° 17' 28.75" W 72° 56' 57.82" 13 W	L	Database	NO	0.579	Enabled	16.9%	18.2%
7	EEN	N 42° 47' 39.40" W 72° 17' 30.40" 14 W	L	Database	NO	0.768	Enabled	29.2%	28.4%
8	BAF	N 42° 9' 43.05" W 72° 42' 58.32" 14 W	L	Database	NO	0.579	Enabled	15.5%	16.7%
9	GDM	N 42° 32' 45.32" W 72° 3' 29.48" 14 W	L	Database	NO	0.579	Enabled	24.0%	24.2%
10	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.494	Enabled	13.4%	12.4%
11	MHT	N 42° 52' 6.71" W 71° 22' 10.32" 15 W	L	Database	NO	0.641	Enabled	34.6%	32.0%
12	LWM	N 42° 44' 25.50" W 71° 5' 41.43" 15 W	L	Database	NO	0.524	Enabled	10.0%	8.9%
13	PSM	N 43° 5' 4.06" W 70° 49' 55.15" 16 W	L	Database	NO	0.752	Enabled	5.1%	4.6%
	Total Coverage							97.8%	97.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		PWL	CAM	PUT	HUO	ALB	GFL		
13.1		CTR	CAM	PUT	HUO	ALB	EEN		
30.5		CTR	EEN	BAF	PVD	ALB	PUT		
40.6		CTR	EEN	BAF	GDM	CAM	PUT		
52.6		CTR	BOS	BAF	GDM	CAM	EEN		

DME/DME (Continued)					Return To Summary	
Flight Check DME Selection (Continued)						
Distance [NM]	Selected DMEs					Alternate
66.5	CTR	EEN	BAF	GDM	MHT	
78.9	EEN	LWM	GDM	MHT		
87.9	EEN	LWM	GDM	MHT		
88.7	BOS	EEN	LWM	GDM	MHT	
99.1	BOS	EEN	LWM	GDM	MHT	
109.6	BOS	LWM	GDM	MHT		
118.7	BOS	LWM	MHT			
123.4	BOS	LWM	MHT	PSM		
Inertial Drift Segments						
#	Start Location		End Location		Length [NM]	
1	N 42° 37' 53.74" W 72° 11' 34.40"		N 42° 37' 39.39" W 72° 9' 31.30"		1.5	
VOR: CTR		Available from N 42° 37' 53.74" W 72° 11' 34.40" to N 42° 37' 45.63" W 72° 10' 24.82"				
VOR: BAF		Available from N 42° 37' 53.74" W 72° 11' 34.40" to N 42° 37' 39.39" W 72° 9' 31.30"				
VOR: CEF		Available from N 42° 37' 53.74" W 72° 11' 34.40" to N 42° 37' 39.39" W 72° 9' 31.30"				
VOR: EEN		Available from N 42° 37' 53.74" W 72° 11' 34.40" to N 42° 37' 39.39" W 72° 9' 31.30"				
VOR: GDM		Available from N 42° 37' 53.74" W 72° 11' 34.40" to N 42° 37' 39.39" W 72° 9' 31.30"				
VOR: MHT		Available from N 42° 37' 53.74" W 72° 11' 34.40" to N 42° 37' 39.39" W 72° 9' 31.30"				

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
2	N 42° 29' 3.36" W 71° 5' 36.26"	N 42° 29' 33.22" W 71° 4' 15.69"	1.1
	VOR: PSM	Available from N 42° 29' 3.36" W 71° 5' 36.26" to N 42° 29' 33.22" W 71° 4' 15.69"	
	VOR: BOS	Available from N 42° 29' 3.36" W 71° 5' 36.26" to N 42° 29' 33.22" W 71° 4' 15.69"	
	VOR: LWM	Available from N 42° 29' 3.36" W 71° 5' 36.26" to N 42° 29' 33.22" W 71° 4' 15.69"	
	VOR: MHT	Available from N 42° 29' 3.36" W 71° 5' 36.26" to N 42° 29' 33.22" W 71° 4' 15.69"	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
PONCT	STOLI	PWL, PUT, ALB, CAM, CTR, HUO, BOS*, EEN*, GFL*, and PVD*
STOLI	MNSTA	ALB, BAF, CAM, CTR, EEN, GDM, PVD, PUT*, and BOS*
MNSTA	SEETS	BAF, BOS, CAM, CTR, GDM, PUT*, EEN*, ENE*, and PVD*
SEETS	DUBLE	BAF, CTR, EEN, GDM, and MHT
DUBLE	BASEZ	EEN, GDM, LWM, and MHT
BASEZ	JFUND	EEN, GDM, LWM, and MHT
JFUND	AUTUM	BOS, EEN, GDM, LWM, and MHT
AUTUM	WINTA	BOS, EEN, GDM, LWM, and MHT
WINTA	HRRIS	BOS, GDM, LWM, and MHT
HRRIS	ISLAY	BOS, LWM, and MHT
ISLAY	LWLND	BOS, LWM, MHT, and PSM

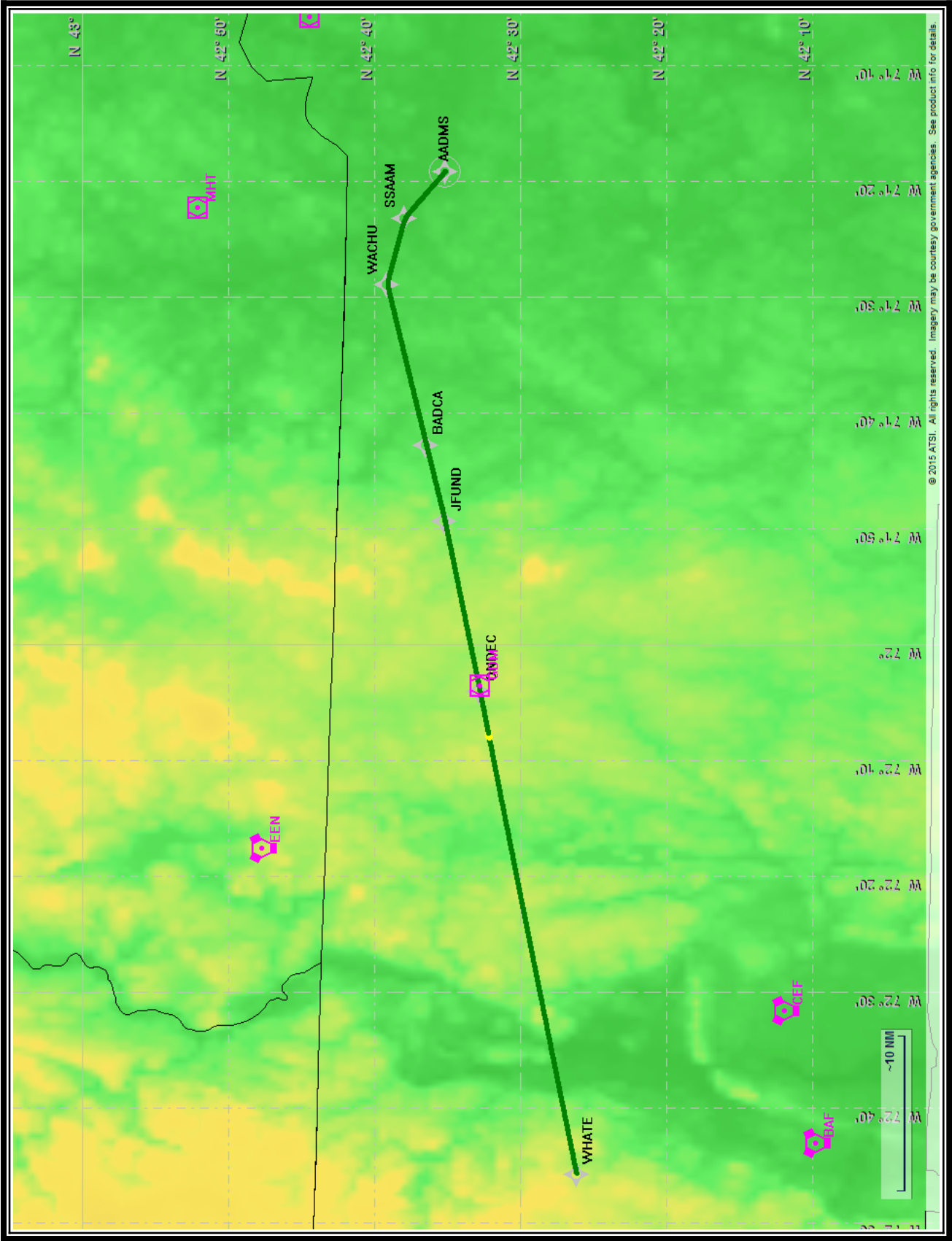
User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KBOS JFUND1 STAR PONCT AADMS 20151019_1059.udt						
2	UserDMEs_KBOS OOSHN4 STAR FEXXX LINZI 20150824_2248.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MVY	N 41° 23' 46.36" W 70° 36' 45.80" 15 W	L	59.1	114.50	MVY	Not 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	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Used
		ESV:	Bearing [True]: 344.0° to 3.0° Bearing [Mag]: 356.0° to 15.0°		Arc Distance: Out to 66.0 NM Altitude: 15000.0 to 19000.0 Ft.		
4	HNK	N 42° 3' 47.01" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Not Used
		ESV:	Bearing [True]: 52.0° to 67.0° Bearing [Mag]: 63.0° to 78.0°		Arc Distance: Out to 88.0 NM Altitude: 15000.0 to 19000.0 Ft.		



Name: DENNIS OSTERHAGE
Project Name: KBOX JFUND1 STAR
Output File: KBOS JFUND1 STAR
 WHATE AADMS
 20151104_1201
Procedure Name: JFUND1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 11/4/2015 12:02:06 PM
Input File: [KBOS JFUND1 STAR
 WHATE AADMS
 20151104_1138.txt](#)
Databases: AIRNAV Date: 10/14/2015
 CIFP Date: 9/18/2015
 DTED® (MAX) Date: 2002

Results Summary:

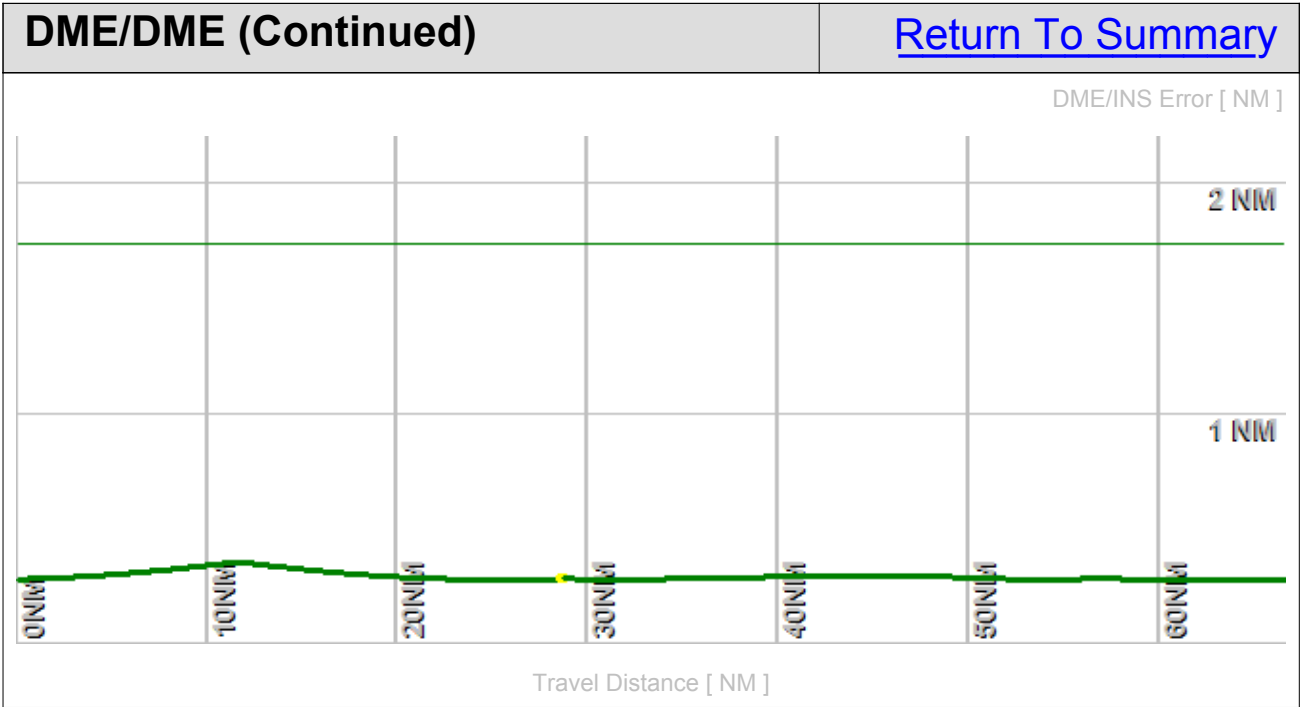
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
WHATE	WP	N 42° 26' 10.03" W 72° 45' 41.96"	11000.0	Step	250.0	Fly By	TF
ONDEC	WP	N 42° 32' 47.83" W 72° 3' 56.71"	11000.0	Step	210.0	Fly By	TF
JFUND	WP	N 42° 35' 11.34" W 71° 49' 15.93"	9000.0	Step	180.0	Fly By	TF
BADCA	WP	N 42° 36' 27.95" W 71° 42' 43.21"	9000.0	Step	250.0	Fly By	TF
WACHU	WP	N 42° 39' 8.71" W 71° 28' 51.95"	6000.0	Step	210.0	Fly By	TF
SSAAM	WP	N 42° 37' 55.51" W 71° 23' 9.86"	5000.0	Step	180.0	Fly By	TF
AADMS	WP	N 42° 35' 7.53" W 71° 19' 8.13"	4000.0	Step	180.0	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: 0.355 NM.		
No Critical DMEs were found.		
Available DMEs: BAF, CTR, EEN, GDM, MHT, LWM, BOS, CON		
Foreign DMEs within range: UTR, VLV, YJN, YOW, YSC, YUL, YQB, YQI		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BAF	N 42° 9' 43.05" W 72° 42' 58.32" 14 W	L	Database	NO	0.500	Enabled	17.7%	19.3%
2	GDM	N 42° 32' 45.32" W 72° 3' 29.48" 14 W	L	Database	NO	0.550	Enabled	52.6%	55.0%
3	EEN	N 42° 47' 39.40" W 72° 17' 30.40" 14 W	L	Database	NO	1.185	Enabled	52.5%	53.4%
4	CTR	N 42° 17' 28.75" W 72° 56' 57.82" 13 W	L	Database	NO	0.355	Enabled	3.1%	3.4%
5	MHT	N 42° 52' 6.71" W 71° 22' 10.32" 15 W	L	Database	NO	0.428	Enabled	46.9%	43.8%
6	BOS	N 42° 21' 26.82" W 70° 59' 22.37" 16 W	H	Database	NO	0.488	Enabled	15.1%	13.9%
7	CON	N 43° 13' 11.23" W 71° 34' 31.63" 15 W	L	Database	NO	0.355	Enabled	12.1%	11.2%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		BAF	GDM	CTR	EEN	MHT			
31.5		BAF	GDM	LWM	EEN	MHT			
42.6		BOS	GDM	LWM	EEN	MHT			
47.7		BOS	GDM	LWM	CON	MHT	EEN		
57.7		BOS	GDM	LWM	CON	MHT			
62.1		BOS	GDM	LWM	CON	MHT			

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
WHATE	ONDEC	BAF, CTR, EEN, GDM, and MHT
ONDEC	JFUND	BAF, EEN, GDM, LWM, and MHT
JFUND	BADCA	BOS, EEN, GDM, LWM, and MHT
BADCA	WACHU	BOS, CON, GDM, LWM, MHT, and EEN*
WACHU	SSAAM	BOS, CON, GDM, LWM, and MHT
SSAAM	AADMS	BOS, CON, GDM, LWM, and MHT

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KBOS JFUND1 STAR PONCT AADMS 20151019_1059.udt						
2	UserDMEs_KBOS OOSHN4 STAR FEXXX LINZI 20150824_2248.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	Not 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	Not 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	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Not Used
ESV:		Bearing [True]: 344.0° to 3.0° Bearing [Mag]: 356.0° to 15.0°			Arc Distance: Out to 66.0 NM Altitude: 15000.0 to 19000.0 Ft.		
4	HNK	N 42° 3' 47.01" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Not Used
ESV:		Bearing [True]: 52.0° to 67.0° Bearing [Mag]: 63.0° to 78.0°			Arc Distance: Out to 88.0 NM Altitude: 15000.0 to 19000.0 Ft.		