

DME DME Assessment Results for APPLE2 path DQO_SHLBK

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA APPLE2 STAR DME-DME.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA [IFPA] APPLE2 20230131_1056 EST\DQO_SHLBK\KLGA APPLE2 RNAV STAR DQO SHLBK 20230131_1056 EST.pdf
Procedure Name:	APPLE2
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/31/2023 10:56 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DQO	WP	N39° 40' 41.30", W075° 36' 25.51"	10000	VNAV	200	FLY_BY	TF
ODESA	WP	N39° 29' 29.00", W075° 49' 44.37"	10000	VNAV	200	FLY_BY	TF
BACKY	WP	N39° 00' 57.71", W076° 05' 04.92"	10000	VNAV	200	FLY_BY	TF
LOUIE	WP	N38° 36' 44.33", W076° 18' 04.37"	10000	VNAV	200	FLY_BY	TF
SHLBK	WP	N38° 20' 16.21", W076° 26' 10.51"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KLGA [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for APPLE2 path DQO_SHLBK

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PTW	N40° 13' 20.03", W075° 33' 36.90"	9.0 W	40	L	IFPA	NO	Enabled	6.8 %	6.8 %
2	CYN	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	H	IFPA	NO	Enabled	12 %	12 %
3	CSN	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	H	IFPA	NO	Enabled	43.7 %	43.7 %
4	DQO	N39° 40' 41.30", W075° 36' 25.51"	10.0 W	40	L	IFPA	NO	Enabled	26 %	26 %
5	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	45.6 %	45.6 %
6	DOV	N39° 07' 56.64", W075° 28' 02.67"	12.0 W	25	T	IFPA	NO	Enabled	6.4 %	6.4 %
7	OTT	N38° 42' 21.14", W076° 44' 41.09"	10.0 W	40	L	IFPA	NO	Enabled	50.9 %	50.9 %
8	VCN	N39° 32' 15.62", W074° 58' 01.72"	10.0 W	40	L	IFPA	NO	Enabled	12 %	12 %
9	ENO	N39° 13' 53.93", W075° 30' 57.49"	9.0 W	40	L	IFPA	NO	Enabled	62.6 %	62.6 %
10	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	34.7 %	34.7 %
11	PXT	N38° 17' 16.28", W076° 24' 00.83"	10.0 W	40	L	IFPA	NO	Enabled	40.8 %	40.8 %
12	BRV	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	L	IFPA	NO	Enabled	20.7 %	20.7 %
13	OOD	N39° 38' 09.88", W075° 18' 11.00"	10.0 W	40	L	IFPA	NO	Enabled	36.5 %	36.5 %
14	MXE	N39° 55' 04.98", W075° 40' 14.96"	9.0 W	40	L	IFPA	NO	Enabled	31.8 %	31.8 %
15	SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	H	IFPA	NO	Enabled	17.6 %	17.6 %
16	EMI	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	H	IFPA	NO	Enabled	59 %	59 %

DME DME Assessment Results for APPLE2 path DQO_SHLBK

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OOD	PTW	VCN	ENO	MXE	
6.2	MXE	VCN	OOD	ENO		
6.9	MXE	VCN	OOD	ENO	DQO	
10.9	ENO	DQO	OOD	MXE		
18.7	ENO	MXE	OOD			
24.3	ENO	MXE	BAL	OOD		
28.2	DOV	MXE	ENO	DQO	BAL	OOD
28.7	DOV	DQO	ENO	OOD	BAL	
32.9	EMI	DQO	DOV	SIE	ENO	BAL
34.0	EMI	DQO	SIE	BAL	ENO	CSN
39.9	CYN	EMI	ENO	CSN	BAL	SIE
39.9	CYN	EMI	ENO	CSN	BAL	
45.1	EMI	OTT	ENO	BAL	CSN	SIE
46.3	EMI	OTT	ENO	BAL	SIE	
50.9	EMI	ENO	OTT	BAL	ADW	
52.0	EMI	ENO	OTT	ADW		
52.8	EMI	ENO	PXT	OTT	ADW	
56.4	ADW	PXT	EMI	OTT		
60.2	ADW	PXT	EMI	OTT	CSN	
67.7	ADW	PXT	OTT	BAL		
71.3	OTT	PXT	ADW	BRV	EMI	CSN
89.5	BRV	EMI	OTT	ADW	CSN	
89.7	BRV	OTT	ADW	CSN		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

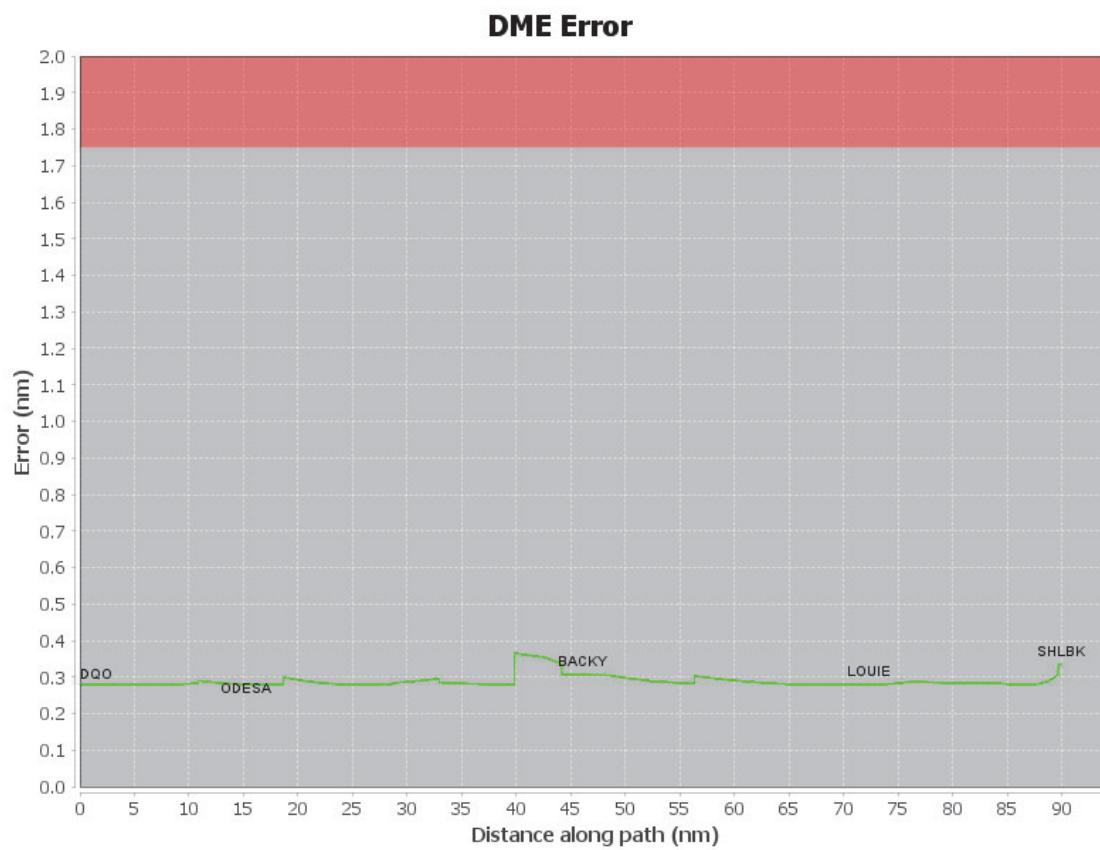
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DQO	ODESA	VCN, PTW, DQO, OOD, ENO, MXE	
ODESA	BACKY	EMI, DQO, OOD, ENO, CYN, DOV, MXE, BAL, SIE, OTT, CSN	
BACKY	LOUIE	EMI, ADW, ENO, BRV, BAL, PXT, OTT, SIE, CSN	
LOUIE	SHLBK	EMI, ADW, BRV, PXT, OTT, CSN	

DME DME Assessment Results for APPLE2 path DQO_SHLBK

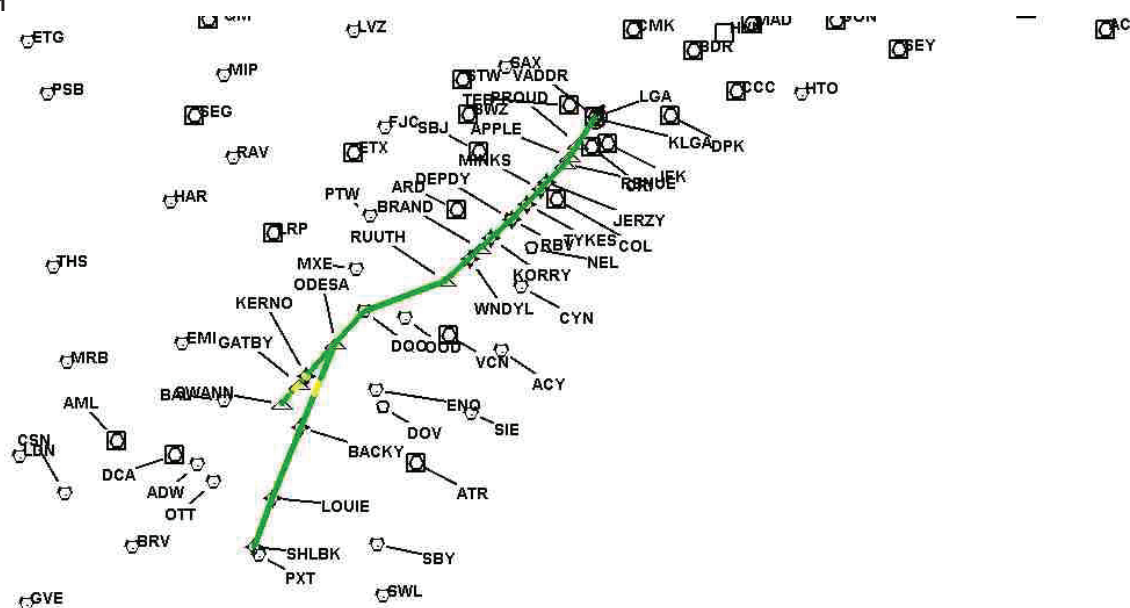
User Data Files

#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SIE FAA 698170-26 SIE [IFPA]	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-26	
ESV:		Bearing [True]: 260.0° to 288.0° Bearing [Mag]: 269.0° to 297.0°				Arc Distance: Out to 85.0 NM Altitude: 6900.0 to 16000.0 ft		
2	CYN FAA 704137-11 CYN [IFPA]	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	203.4	113.4	CYN FAA 704137-11	
ESV:		Bearing [True]: 230.0° to 245.0° Bearing [Mag]: 240.0° to 255.0°				Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 18000.0 ft		
3	CSN FAA 682017-18 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-18	
ESV:		Bearing [True]: 59.0° to 76.0° Bearing [Mag]: 65.0° to 82.0°				Arc Distance: Out to 97.0 NM Altitude: 10000.0 to 16000.0 ft		
4	BRV FAA 872079-16 BRV [IFPA]	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	144.5	114.5	BRV FAA 872079-16	
ESV:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 75.0° to 105.0°				Arc Distance: Out to 70.0 NM Altitude: 7000.0 to 23000.0 ft		
5	CSN FAA 682017-21 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-21	
ESV:		Bearing [True]: 44.0° to 154.0° Bearing [Mag]: 50.0° to 160.0°				Arc Distance: Out to 82.0 NM Altitude: 7000.0 to 16000.0 ft		
6	EMI FAA 701388-10 EMI [IFPA]	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	820	117.9	EMI FAA 701388-10	
ESV:		Bearing [True]: 102.0° to 162.0° Bearing [Mag]: 110.0° to 170.0°				Arc Distance: Out to 115.0 NM Altitude: 9900.0 to 19000.0 ft		

DME DME Assessment Results for APPLE2 path DQO_SHLBK

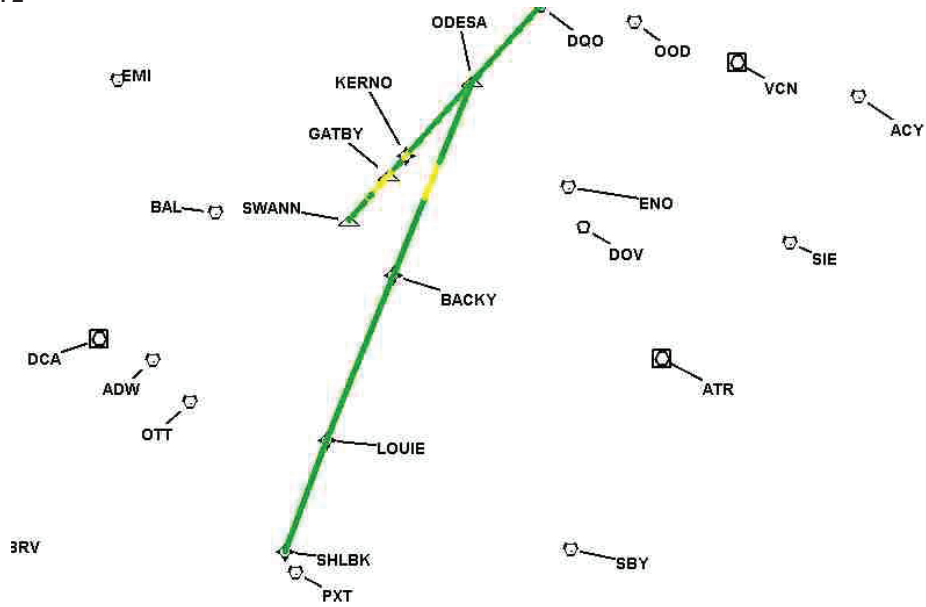


Graphic Depiction 1



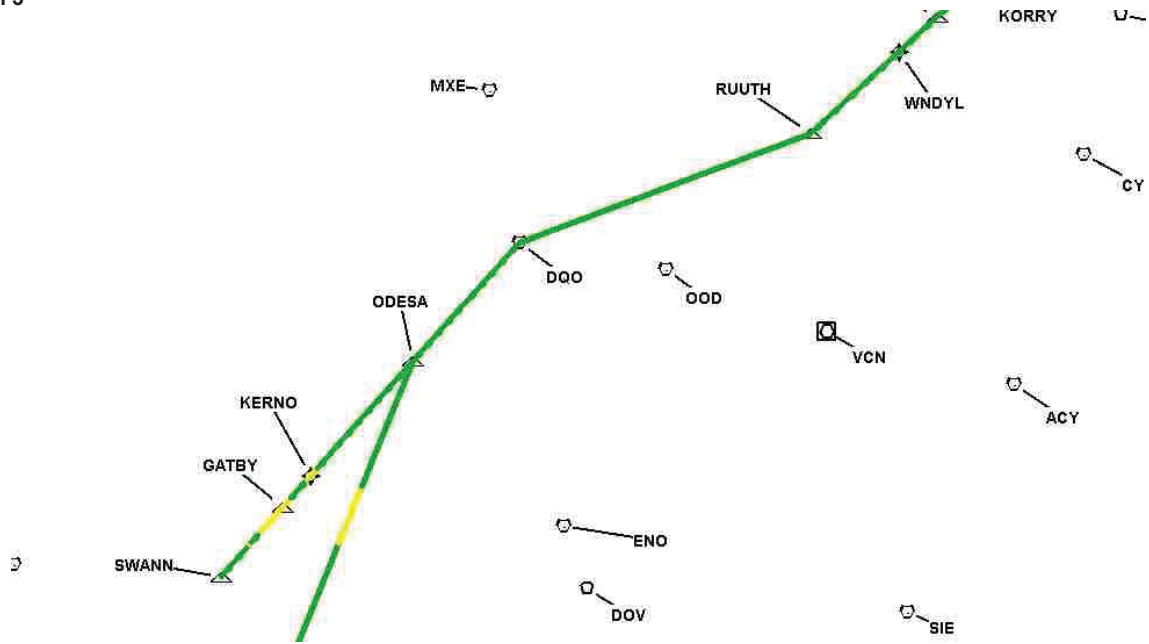
DME DME Assessment Results for APPLE2 path DQO_SHLBK

Graphic Depiction 2



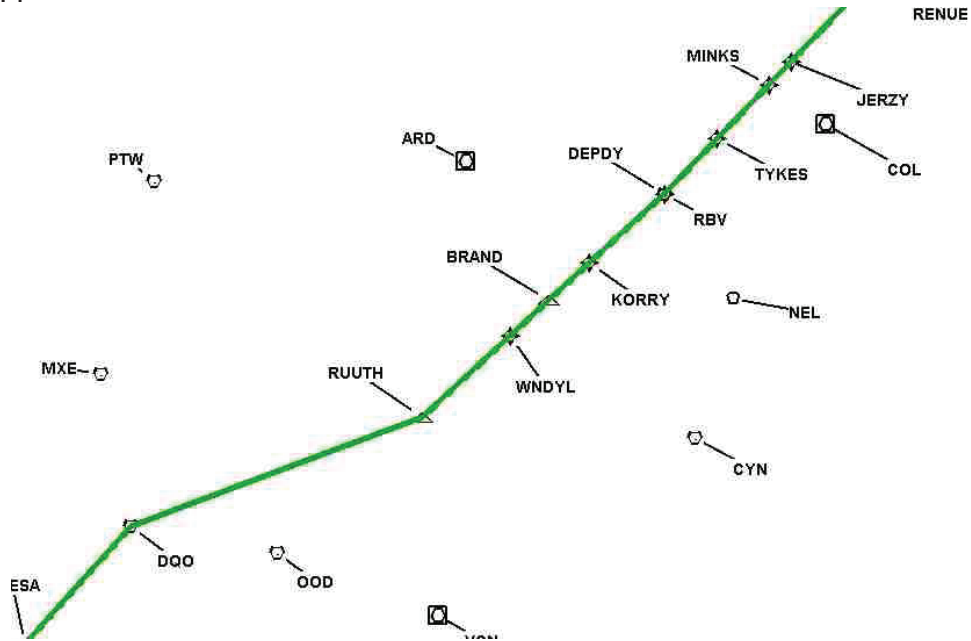
DME DME Assessment Results for APPLE2 path DQO_SHLBK

Graphic Depiction 3



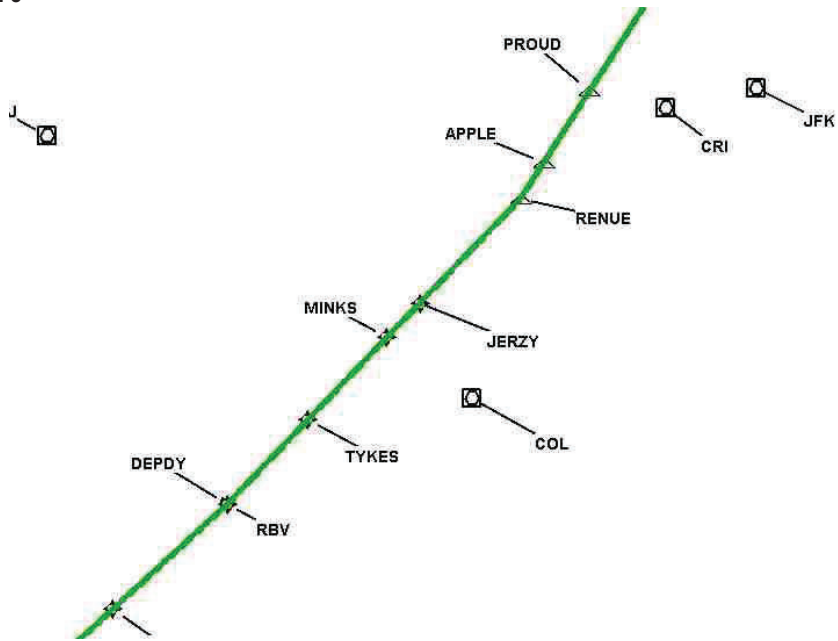
DME DME Assessment Results for APPLE2 path DQO_SHLBK

Graphic Depiction 4



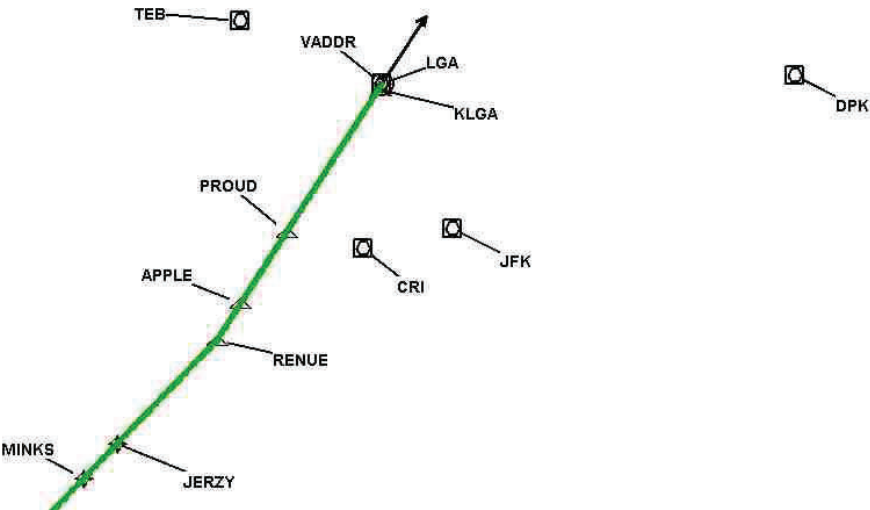
DME DME Assessment Results for APPLE2 path DQO_SHLBK

Graphic Depiction 5



DME DME Assessment Results for APPLE2 path DQO_SHLBK

Graphic Depiction 6



DME DME Assessment Results for APPLE2 path DQO_SWANN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA APPLE2 STAR DME-DME.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA [IFPA] APPLE2 20230131_1056 EST\DQO_SWANN\KLGA APPLE2 RNAV STAR DQO SWANN 20230131_1056 EST.pdf
Procedure Name:	APPLE2
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/31/2023 10:56 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DQO	WP	N39° 40' 41.30", W075° 36' 25.51"	10000	VNAV	200	FLY_BY	TF
ODESA	WP	N39° 29' 29.00", W075° 49' 44.37"	10000	VNAV	200	FLY_BY	TF
KERNO	WP	N39° 18' 36.25", W076° 02' 34.92"	10000	VNAV	200	FLY_BY	TF
GATBY	WP	N39° 15' 40.02", W076° 06' 01.84"	10000	VNAV	200	FLY_BY	TF
SWANN	WP	N39° 09' 05.28", W076° 13' 43.94"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KLGA [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for APPLE2 path DQO_SWANN

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OTT	N38° 42' 21.14", W076° 44' 41.09"	10.0 W	40	L	IFPA	NO	Enabled	9.3 %	9.3 %
2	VCN	N39° 32' 15.62", W074° 58' 01.72"	10.0 W	40	L	IFPA	NO	Enabled	25.3 %	25.3 %
3	PTW	N40° 13' 20.03", W075° 33' 36.90"	9.0 W	40	L	IFPA	NO	Enabled	14.3 %	14.3 %
4	ENO	N39° 13' 53.93", W075° 30' 57.49"	9.0 W	40	L	IFPA	NO	Enabled	78.6 %	78.6 %
5	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	40.8 %	40.8 %
6	CSN	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	H	IFPA	NO	Enabled	29.3 %	29.3 %
7	MXE	N39° 55' 04.98", W075° 40' 14.96"	9.0 W	40	L	IFPA	NO	Enabled	66.7 %	66.7 %
8	DQO	N39° 40' 41.30", W075° 36' 25.51"	10.0 W	40	L	IFPA	NO	Enabled	29.5 %	29.5 %
9	OOD	N39° 38' 09.88", W075° 18' 11.00"	10.0 W	40	L	IFPA	NO	Enabled	71.2 %	71.2 %
10	SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	H	IFPA	NO	Enabled	26.8 %	26.8 %
11	EMI	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	H	IFPA	NO	Enabled	28 %	28 %
12	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	6.7 %	6.7 %

DME DME Assessment Results for APPLE2 path DQO_SWANN

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
-9.1	PTW	VCN	MXE	OOD	ENO	
-8.3	MXE	VCN	OOD	ENO		
-4.4	MXE	VCN	ENO	DQO	OOD	
0.0	ENO	DQO	OOD	MXE		
0.0	ENO	DQO	OOD	MXE		
4.4	ENO	MXE	OOD			
5.4	ENO	MXE	OOD	BAL		
12.9	ENO	OOD	SIE			
13.2	ENO	OOD	SIE	CSN		
13.9	ENO	MXE	BAL	OOD		
14.4	EMI	OOD	SIE	ENO	CSN	BAL
15.3	CSN	EMI	SIE			
17.6	CSN	EMI	BAL	SIE	ENO	
17.7	CSN	EMI	BAL	SIE		
22.3	CSN	EMI				
23.6	EMI	OTT	SIE	ENO	BAL	CSN
23.7	OTT	ENO	BAL	ADW		
23.8	EMI	OTT	SIE	ENO	BAL	CSN
24.8	OTT	BAL	ENO	ADW		
25.8	EMI	OTT	ADW	SIE	BAL	CSN

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DQO	ODESA	VCN, PTW, DQO, OOD, ENO, MXE	
ODESA	KERNO	EMI, DQO, OOD, ENO, MXE, BAL, SIE, CSN	
KERNO	GATBY	EMI, OOD, ENO, BAL, SIE, CSN	
GATBY	SWANN	EMI, ADW, ENO, BAL, SIE, OTT, CSN	

DME DME Assessment Results for APPLE2 path DQO_SWANN

User Data Files

File Name

None

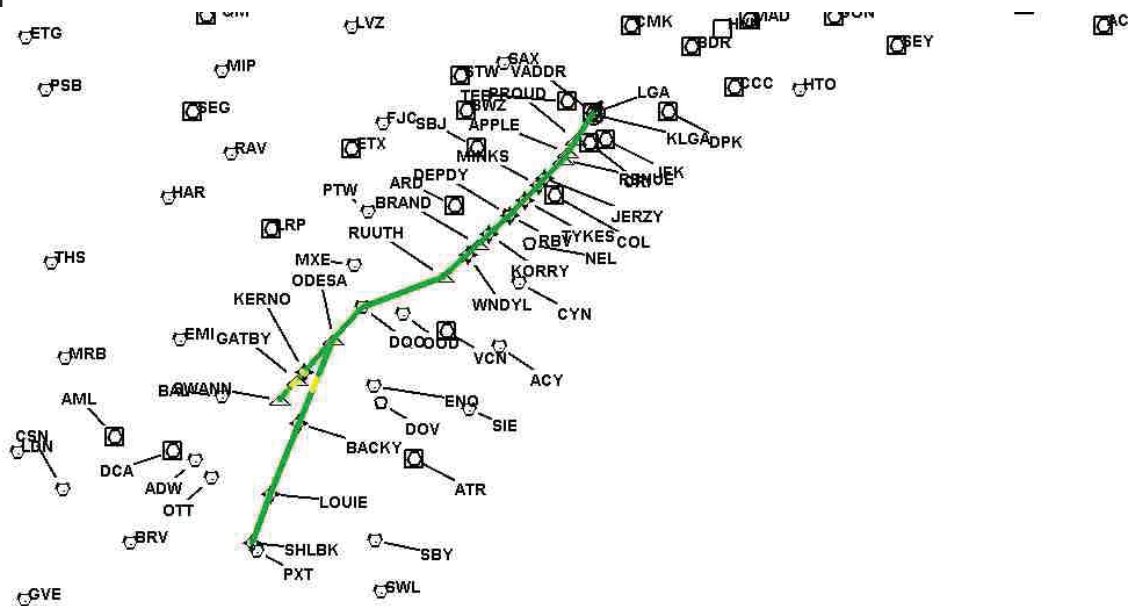
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SIE FAA 698170-26 SIE [IFPA]	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-26	
ESV:		Bearing [True]: 260.0° to 288.0° Bearing [Mag]: 269.0° to 297.0°				Arc Distance: Out to 85.0 NM Altitude: 6900.0 to 16000.0 ft		
2	CYN FAA 704137-11 CYN [IFPA]	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	203.4	113.4	CYN FAA 704137-11	
ESV:		Bearing [True]: 230.0° to 245.0° Bearing [Mag]: 240.0° to 255.0°				Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 18000.0 ft		
3	CSN FAA 682017-18 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-18	
ESV:		Bearing [True]: 59.0° to 76.0° Bearing [Mag]: 65.0° to 82.0°				Arc Distance: Out to 97.0 NM Altitude: 10000.0 to 16000.0 ft		
4	BRV FAA 872079-16 BRV [IFPA]	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	144.5	114.5	BRV FAA 872079-16	
ESV:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 75.0° to 105.0°				Arc Distance: Out to 70.0 NM Altitude: 7000.0 to 23000.0 ft		
5	CSN FAA 682017-21 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-21	
ESV:		Bearing [True]: 44.0° to 154.0° Bearing [Mag]: 50.0° to 160.0°				Arc Distance: Out to 82.0 NM Altitude: 7000.0 to 16000.0 ft		
6	EMI FAA 701388-10 EMI [IFPA]	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	820	117.9	EMI FAA 701388-10	
ESV:		Bearing [True]: 102.0° to 162.0° Bearing [Mag]: 110.0° to 170.0°				Arc Distance: Out to 115.0 NM Altitude: 9900.0 to 19000.0 ft		



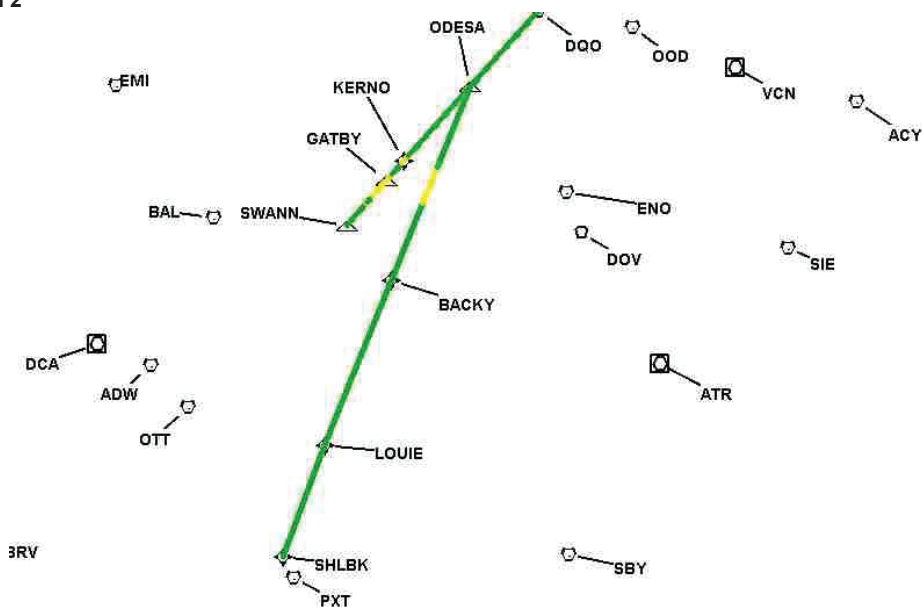
DME DME Assessment Results for APPLE2 path DQO_SWANN

Graphic Depiction 1



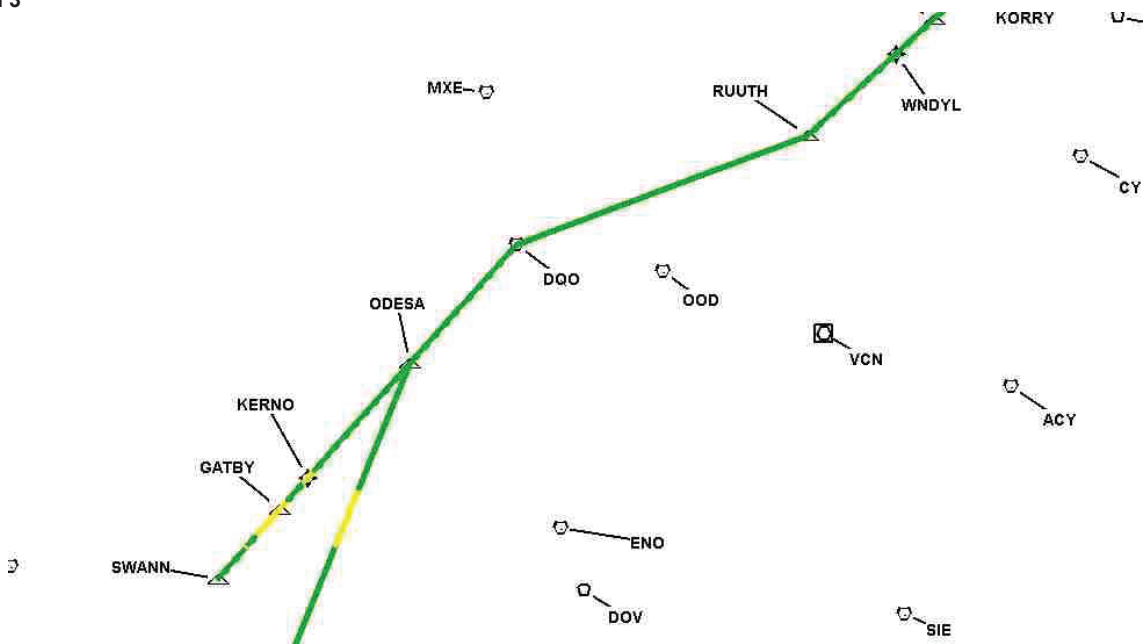
DME DME Assessment Results for APPLE2 path DQO_SWANN

Graphic Depiction 2



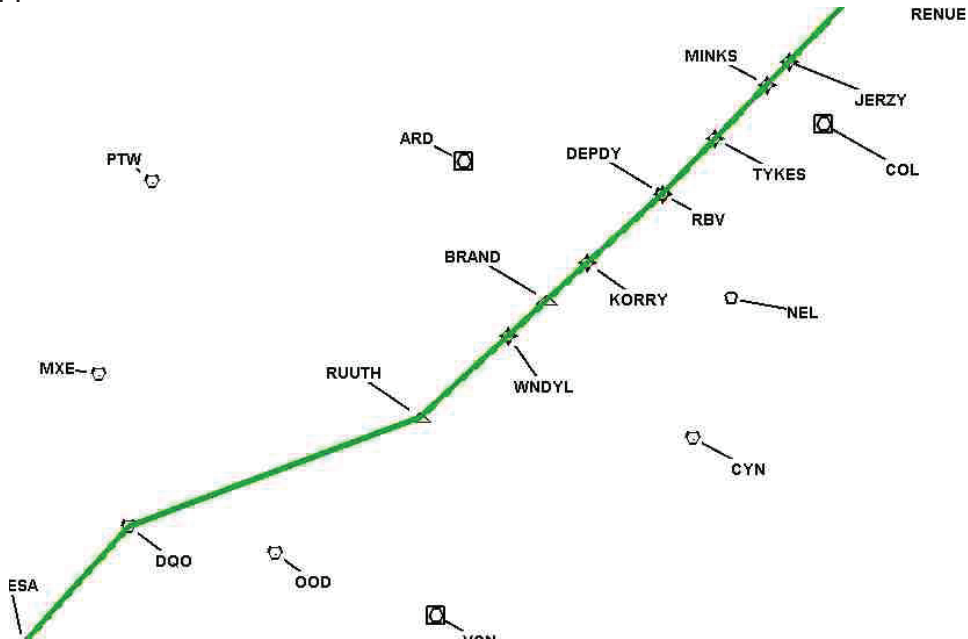
DME DME Assessment Results for APPLE2 path DQO_SWANN

Graphic Depiction 3



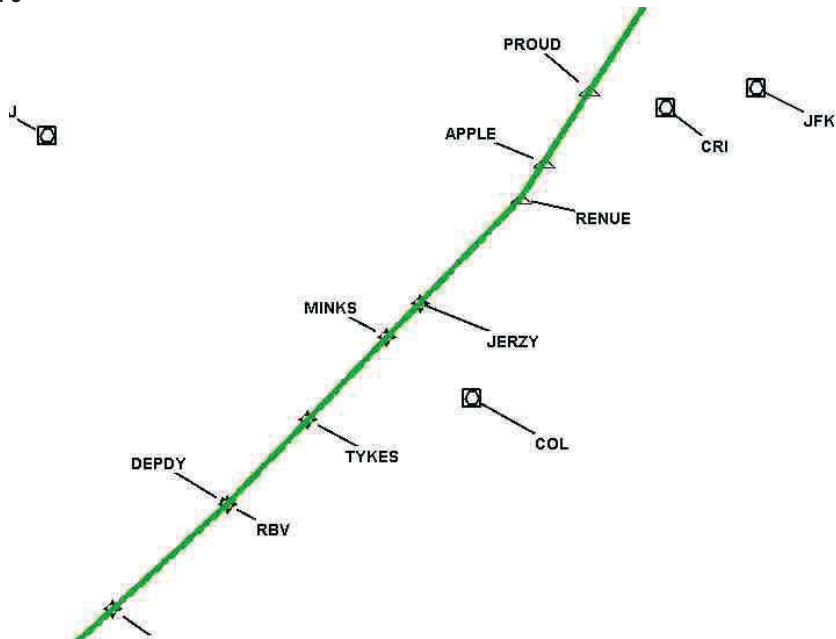
DME DME Assessment Results for APPLE2 path DQO_SWANN

Graphic Depiction 4

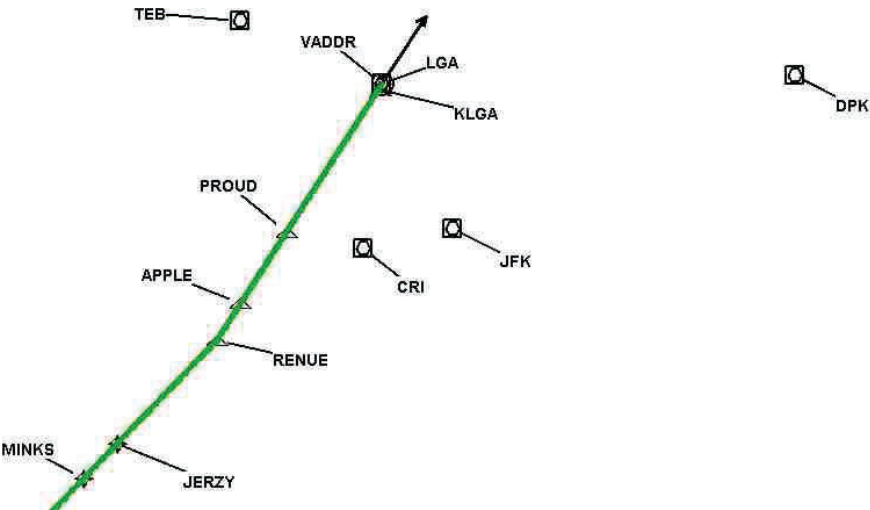


DME DME Assessment Results for APPLE2 path DQO_SWANN

Graphic Depiction 5



Graphic Depiction 6



DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA APPLE2 STAR DME-DME.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA [IFPA] APPLE2 20230131_1056 EST\SHLBK_VADDR\KLGA APPLE2 RNAV STAR SHLBK VADDR 20230131_1056 EST.pdf
Procedure Name:	APPLE2
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/31/2023 10:56 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SHLBK	WP	N38° 20' 16.21", W076° 26' 10.51"	10000	VNAV	200	FLY_BY	TF
LOUIE	WP	N38° 36' 44.33", W076° 18' 04.37"	10000	VNAV	200	FLY_BY	TF
BACKY	WP	N39° 00' 57.71", W076° 05' 04.92"	10000	VNAV	200	FLY_BY	TF
ODESA	WP	N39° 29' 29.00", W075° 49' 44.37"	10000	VNAV	200	FLY_BY	TF
DQO	WP	N39° 40' 41.30", W075° 36' 25.51"	10000	VNAV	200	FLY_BY	TF
RUUTH	WP	N39° 51' 01.24", W074° 59' 59.17"	6000	VNAV	200	FLY_BY	TF
WNDYL	WP	N39° 58' 44.47", W074° 48' 58.56"	6000	VNAV	200	FLY_BY	TF
BRAND	WP	N40° 02' 06.28", W074° 44' 09.50"	6000	VNAV	200	FLY_BY	TF
KORRY	WP	N40° 05' 37.83", W074° 39' 05.56"	6000	VNAV	200	FLY_BY	TF
DEPDY	WP	N40° 12' 08.25", W074° 29' 42.67"	6000	VNAV	200	FLY_BY	TF
TYKES	WP	N40° 17' 22.38", W074° 23' 06.13"	6000	VNAV	200	FLY_BY	TF
MINKS	WP	N40° 22' 29.54", W074° 16' 37.10"	6000	VNAV	200	FLY_BY	TF
JERZY	WP	N40° 24' 38.34", W074° 13' 53.52"	6000	VNAV	200	FLY_BY	TF
RENUE	WP	N40° 31' 06.72", W074° 05' 38.72"	6000	VNAV	200	FLY_BY	TF
APPLE	WP	N40° 33' 22.09", W074° 03' 44.11"	6000	VNAV	200	FLY_BY	TF
PROUD	WP	N40° 37' 47.25", W073° 59' 59.12"	6000	VNAV	200	FLY_BY	TF
VADDR	WP	N40° 47' 00.20", W073° 52' 07.00"	6000	VNAV	200	FLY_OVER	TF

DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KLGA [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME DME Assessment Results for APPLE2 path SHLBK_VADDR

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DPK	N40° 47' 30.02", W073° 18' 14.43"	12.0 W	40	L	IFPA	NO	Enabled	5.1 %	5.1 %
2	RBV	N40° 12' 08.65", W074° 29' 42.09"	10.0 W	130	H	IFPA	NO	Enabled	36.4 %	36.4 %
3	CYN	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	H	IFPA	NO	Enabled	37.7 %	37.7 %
4	DQO	N39° 40' 41.30", W075° 36' 25.51"	10.0 W	40	L	IFPA	NO	Enabled	30.3 %	30.3 %
5	CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	L	IFPA	NO	Enabled	3.4 %	3.4 %
6	ACY	N39° 27' 21.15", W074° 34' 34.73"	10.0 W	40	L	IFPA	NO	Enabled	15.7 %	15.7 %
7	DOV	N39° 07' 56.64", W075° 28' 02.67"	12.0 W	25	T	IFPA	NO	Enabled	2.9 %	2.9 %
8	JFK	N40° 37' 58.40", W073° 46' 17.00"	12.0 W	130	H	IFPA	NO	Enabled	21 %	21 %
9	BRV	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	L	IFPA	NO	Enabled	9.5 %	9.5 %
10	OOD	N39° 38' 09.88", W075° 18' 11.00"	10.0 W	40	L	IFPA	NO	Enabled	42.5 %	42.5 %
11	SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	H	IFPA	NO	Enabled	8 %	8.1 %
12	LGA	N40° 47' 01.38", W073° 52' 06.96"	12.0 W	40	L	IFPA	NO	Enabled	18.6 %	18.6 %
13	PTW	N40° 13' 20.03", W075° 33' 36.90"	9.0 W	40	L	IFPA	NO	Enabled	22.9 %	22.9 %
14	SAX	N41° 04' 03.15", W074° 32' 17.91"	11.0 W	130	H	IFPA	NO	Enabled	6.1 %	6.1 %
15	CRI	N40° 36' 44.90", W073° 53' 40.00"	11.0 W	25	T	IFPA	NO	Enabled	12.7 %	12.7 %
16	CSN	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	H	IFPA	NO	Enabled	20 %	20 %
17	TEB	N40° 50' 55.39", W074° 03' 44.07"	11.0 W	25	T	IFPA	NO	Enabled	11.3 %	11.3 %
18	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	20.9 %	20.9 %
19	OTT	N38° 42' 21.14", W076° 44' 41.09"	10.0 W	40	L	IFPA	NO	Enabled	23.3 %	23.3 %
20	COL	N40° 18' 41.88", W074° 09' 35.02"	11.0 W	40	L	IFPA	NO	Enabled	33.1 %	33.1 %
21	VCN	N39° 32' 15.62", W074° 58' 01.72"	10.0 W	40	L	IFPA	NO	Enabled	32.8 %	32.7 %
22	ENO	N39° 13' 53.93", W075° 30' 57.49"	9.0 W	40	L	IFPA	NO	Enabled	39 %	39 %
23	ARD	N40° 15' 12.03", W074° 54' 27.40"	10.0 W	40	L	IFPA	NO	Enabled	37.7 %	37.6 %
24	SBJ	N40° 34' 58.96", W074° 44' 30.45"	10.0 W	40	L	IFPA	NO	Enabled	25.7 %	25.7 %
25	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	15.9 %	15.9 %
26	PXT	N38° 17' 16.28", W076° 24' 00.83"	10.0 W	40	L	IFPA	NO	Enabled	18.6 %	18.7 %
27	MXE	N39° 55' 04.98", W075° 40' 14.96"	9.0 W	40	L	IFPA	NO	Enabled	34.2 %	34.2 %
28	NEL	N40° 02' 13.10", W074° 21' 11.32"	11.0 W	25	T	IFPA	NO	Enabled	19.4 %	19.4 %
29	EMI	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	H	IFPA	NO	Enabled	27 %	27 %
30	BWZ	N40° 47' 54.36", W074° 49' 18.60"	11.0 W	40	L	IFPA	NO	Enabled	6.3 %	6.3 %

DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BRV	OTT	ADW	CSN		
0.3	BRV	EMI	OTT	ADW	CSN	
18.7	OTT	PXT	ADW	BAL		
22.3	ADW	PXT	OTT	CSN	EMI	
29.8	ADW	PXT	EMI	OTT		
33.7	EMI	ENO	ADW	PXT	OTT	
37.2	EMI	ENO	OTT	ADW		
38.1	EMI	ENO	OTT	BAL	ADW	
41.1	EMI	ENO	OTT	BAL	SIE	
45.8	EMI	ENO	CYN	CSN	BAL	SIE
48.1	CYN	EMI	ENO	CSN	BAL	
54.8	EMI	DQO	SIE	BAL	ENO	CSN
57.1	DOV	DQO	ENO	BAL	OOD	
61.9	ENO	MXE	BAL	OOD		
65.8	ENO	MXE	OOD			
71.3	ENO	DQO	MXE	OOD		
79.2	MXE	VCN	ENO	DQO	OOD	
83.1	MXE	VCN	OOD	ENO		
83.9	PTW	VCN	MXE	OOD	ENO	
110.5	MXE	ARD	ACY	OOD	DQO	PTW
128.7	DQO	ACY	COL	CYN	VCN	PTW
129.0	DQO	ACY	COL	CYN	VCN	ARD
129.3	CYN	VCN	ACY	COL	RBV	OOD
138.4	RBV	CYN	OOD	ARD	COL	NEL
140.7	CYN	COL	RBV	ARD	NEL	VCN
143.7	CYN	COL	RBV	ARD	SBJ	NEL
148.3	SBJ	COL	CYN	NEL	ARD	
165.1	RBV	BWZ	CRI	LGA	SBJ	JFK
173.1	SBJ	COL	ARD	LGA	RBV	CRI
173.9	SBJ	COL	LGA	ARD	RBV	
175.3	TEB	SBJ	COL	LGA	RBV	JFK
190.4	RBV	SAX	CMK	JFK	COL	LGA
190.8	CMK	JFK	LGA	COL	SAX	TEB
193.7	SAX	CMK	COL	TEB	JFK	CRI

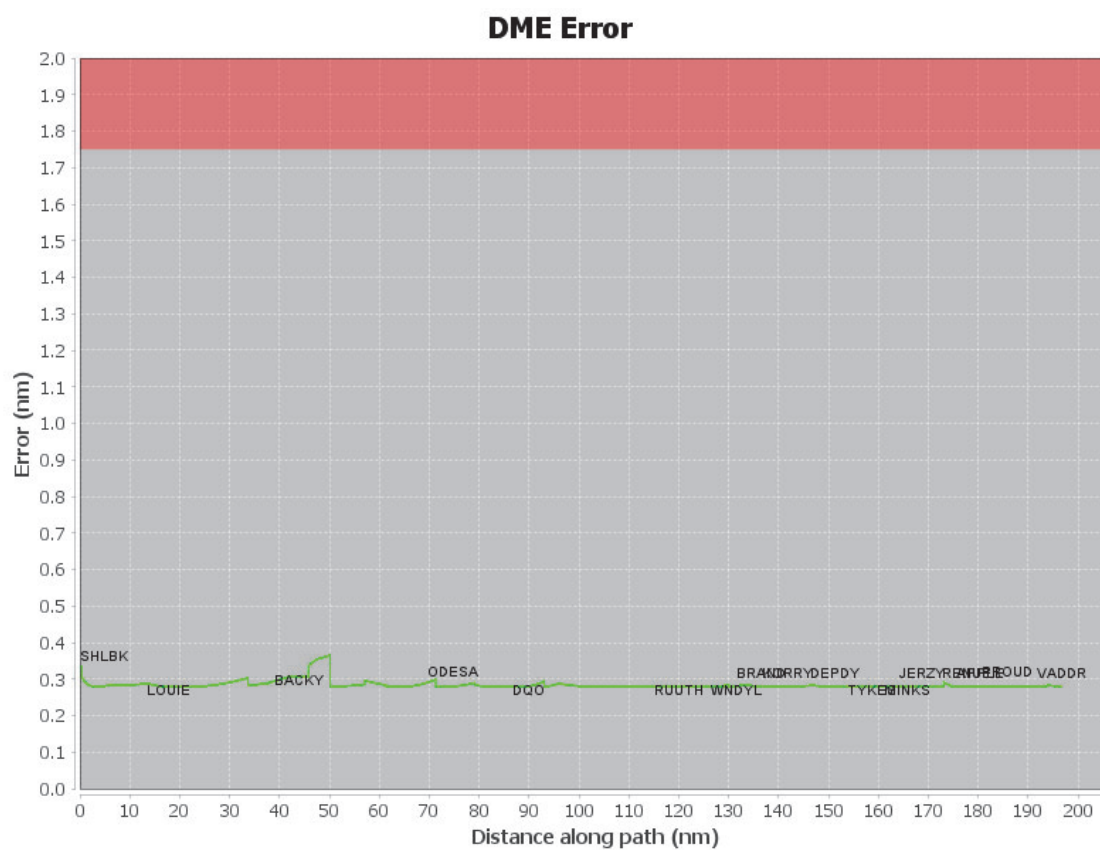
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SHLBK	LOUIE	EMI, ADW, BRV, PXT, OTT, CSN	
LOUIE	BACKY	EMI, ADW, BRV, ENO, PXT, BAL, OTT, SIE, CSN	
BACKY	ODESA	EMI, DQO, OOD, ENO, CYN, DOV, MXE, BAL, OTT, SIE, CSN	
ODESA	DQO	VCN, PTW, DQO, OOD, ENO, MXE	
DQO	RUUTH	VCN, PTW, DQO, ARD, OOD, ENO, ACY, RBV, CYN, MXE	
RUUTH	WNDYL	VCN, COL, PTW, ARD, DQO, NEL, OOD, RBV, ACY, CYN, MXE	
WNDYL	BRAND	VCN, COL, ARD, NEL, OOD, RBV, ACY, CYN	
BRAND	KORRY	VCN, COL, ARD, NEL, OOD, RBV, ACY, CYN, SBJ	
KORRY	DEPDY	VCN, COL, ARD, NEL, RBV, CYN, SBJ	
DEPDY	TYKES	COL, ARD, NEL, RBV, LGA, CYN, SBJ, JFK	
TYKES	MINKS	COL, ARD, NEL, BWZ, RBV, LGA, CYN, SBJ, CRI, JFK	
MINKS	JERZY	COL, ARD, BWZ, NEL, RBV, LGA, CYN, SBJ, CRI, JFK	
JERZY	RENUE	TEB, COL, ARD, BWZ, RBV, LGA, CYN, SBJ, CRI, JFK	
RENUE	APPLE	TEB, COL, RBV, LGA, SBJ, CRI, JFK, DPK	
APPLE	PROUD	TEB, COL, RBV, LGA, SBJ, CRI, SAX, JFK, DPK	
PROUD	VADDR	TEB, CMK, COL, RBV, LGA, SBJ, SAX, CRI, JFK, DPK	

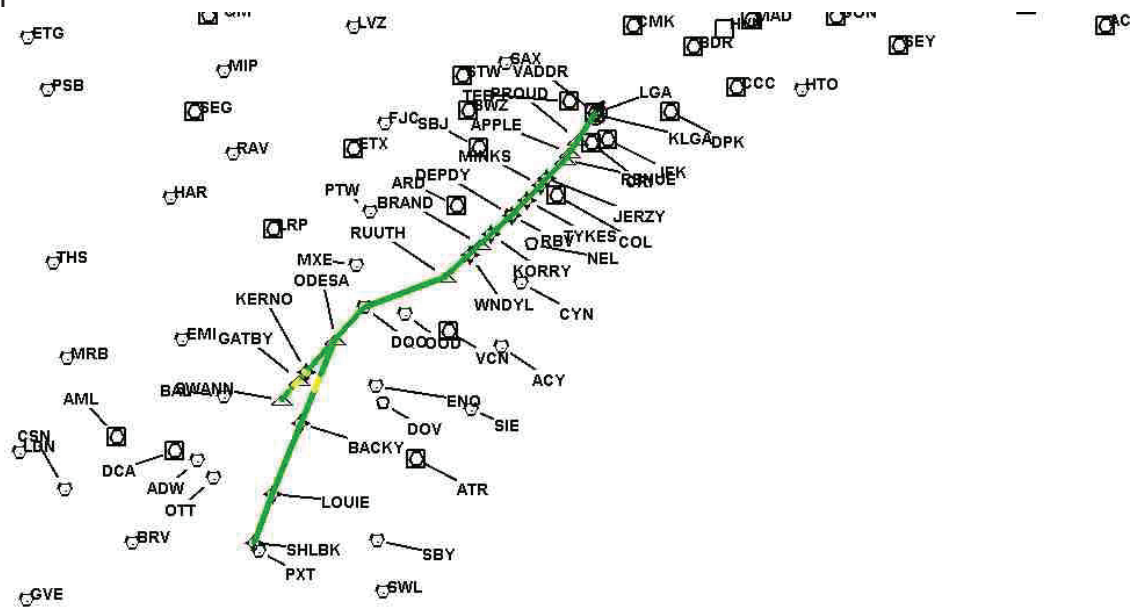
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SIE FAA 698170-26 SIE [IFPA]	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-26	
ESV:		Bearing [True]: 260.0° to 288.0° Bearing [Mag]: 269.0° to 297.0°				Arc Distance: Out to 85.0 NM Altitude: 6900.0 to 16000.0 ft		
2	CYN FAA 704137-11 CYN [IFPA]	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	203.4	113.4	CYN FAA 704137-11	
ESV:		Bearing [True]: 230.0° to 245.0° Bearing [Mag]: 240.0° to 255.0°				Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 18000.0 ft		
3	CSN FAA 682017-18 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-18	
ESV:		Bearing [True]: 59.0° to 76.0° Bearing [Mag]: 65.0° to 82.0°				Arc Distance: Out to 97.0 NM Altitude: 10000.0 to 16000.0 ft		
4	BRV FAA 872079-16 BRV [IFPA]	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	144.5	114.5	BRV FAA 872079-16	
ESV:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 75.0° to 105.0°				Arc Distance: Out to 70.0 NM Altitude: 7000.0 to 23000.0 ft		
5	CSN FAA 682017-21 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-21	
ESV:		Bearing [True]: 44.0° to 154.0° Bearing [Mag]: 50.0° to 160.0°				Arc Distance: Out to 82.0 NM Altitude: 7000.0 to 16000.0 ft		
6	EMI FAA 701388-10 EMI [IFPA]	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	820	117.9	EMI FAA 701388-10	
ESV:		Bearing [True]: 102.0° to 162.0° Bearing [Mag]: 110.0° to 170.0°				Arc Distance: Out to 115.0 NM Altitude: 9900.0 to 19000.0 ft		

DME DME Assessment Results for APPLE2 path SHLBK_VADDR



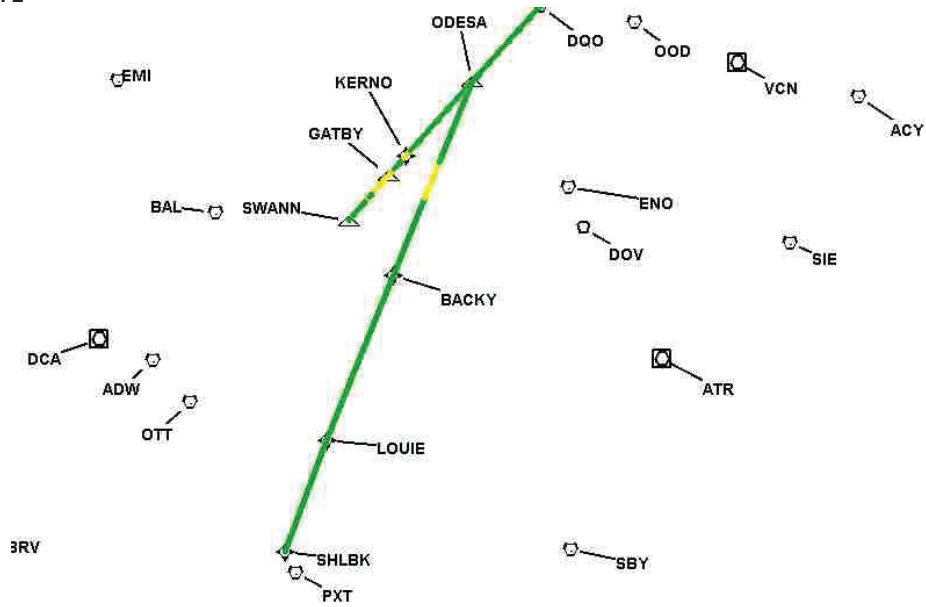
DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Graphic Depiction 1



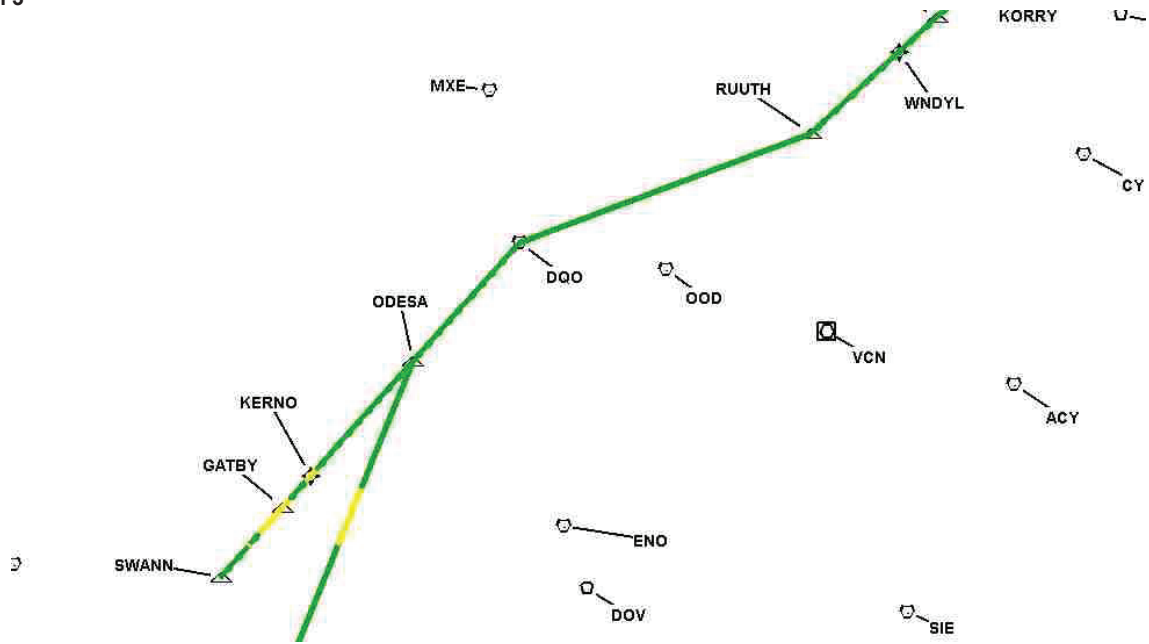
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Graphic Depiction 2



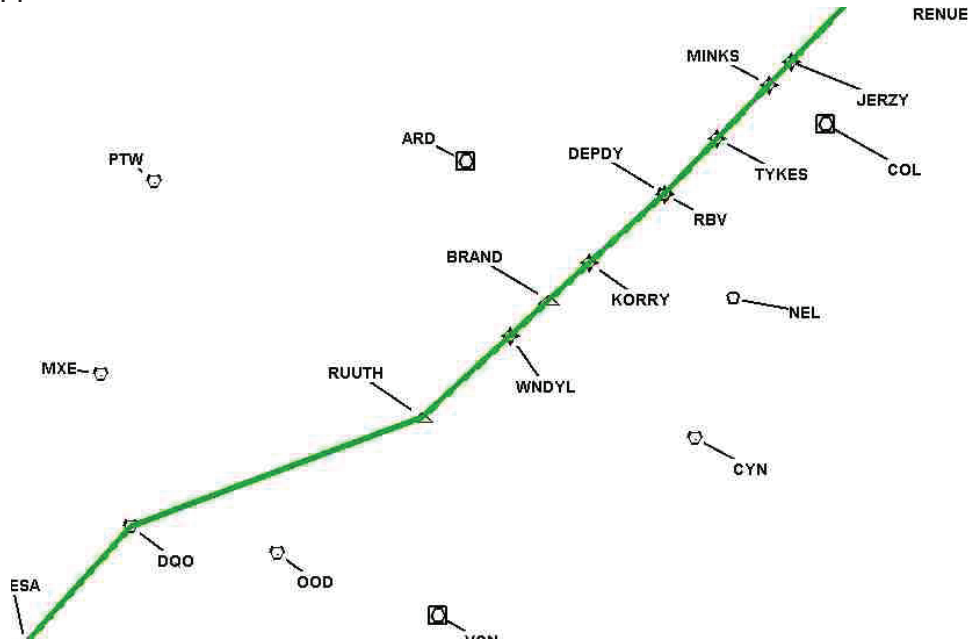
Graphic Depiction 3

DME DME Assessment Results for APPLE2 path SHLBK_VADDR



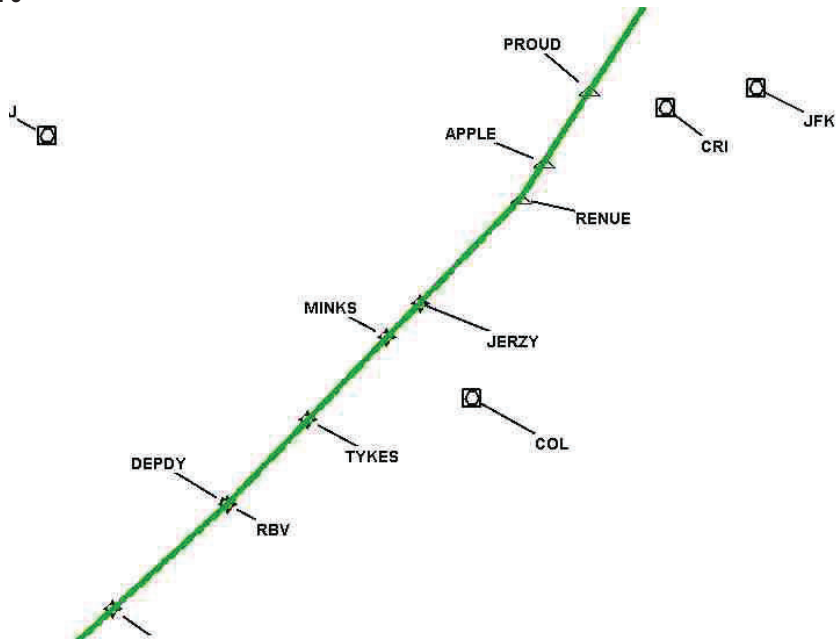
DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Graphic Depiction 4



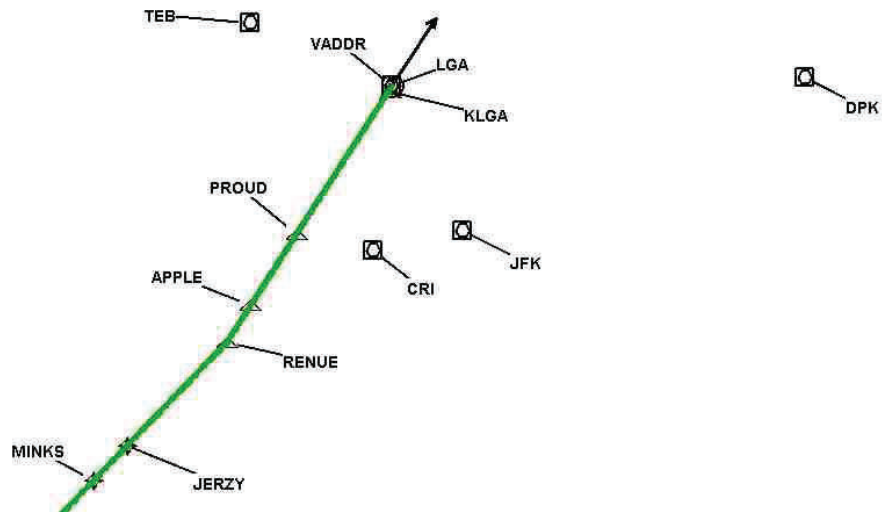
DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Graphic Depiction 5



DME DME Assessment Results for APPLE2 path SHLBK_VADDR

Graphic Depiction 6



DME DME Assessment Results for APPLE2 path SWANN_DQO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA APPLE2 STAR DME-DME.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA [IFPA] APPLE2 20230131_1056 EST\SWANN_DQO\KLGA APPLE2 RNAV STAR SWANN DQO 20230131_1056 EST.pdf
Procedure Name:	APPLE2
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/31/2023 10:56 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SWANN	WP	N39° 09' 05.28", W076° 13' 43.94"	10000	VNAV	200	FLY_BY	TF
GATBY	WP	N39° 15' 40.02", W076° 06' 01.84"	10000	VNAV	200	FLY_BY	TF
KERNO	WP	N39° 18' 36.25", W076° 02' 34.92"	10000	VNAV	200	FLY_BY	TF
ODESA	WP	N39° 29' 29.00", W075° 49' 44.37"	10000	VNAV	200	FLY_BY	TF
DQO	WP	N39° 40' 41.30", W075° 36' 25.51"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KLGA [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for APPLE2 path SWANN_DQO

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OTT	N38° 42' 21.14", W076° 44' 41.09"	10.0 W	40	L	IFPA	NO	Enabled	9.3 %	9.3 %
2	VCN	N39° 32' 15.62", W074° 58' 01.72"	10.0 W	40	L	IFPA	NO	Enabled	25.3 %	25.3 %
3	PTW	N40° 13' 20.03", W075° 33' 36.90"	9.0 W	40	L	IFPA	NO	Enabled	14.3 %	14.3 %
4	ENO	N39° 13' 53.93", W075° 30' 57.49"	9.0 W	40	L	IFPA	NO	Enabled	78.6 %	78.6 %
5	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	40.8 %	40.8 %
6	CSN	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	H	IFPA	NO	Enabled	29.3 %	29.3 %
7	OOD	N39° 38' 09.88", W075° 18' 11.00"	10.0 W	40	L	IFPA	NO	Enabled	71.2 %	71.2 %
8	MXE	N39° 55' 04.98", W075° 40' 14.96"	9.0 W	40	L	IFPA	NO	Enabled	66.7 %	66.7 %
9	DQO	N39° 40' 41.30", W075° 36' 25.51"	10.0 W	40	L	IFPA	NO	Enabled	29.5 %	29.5 %
10	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	6.7 %	6.7 %
11	SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	H	IFPA	NO	Enabled	26.8 %	26.8 %
12	EMI	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	H	IFPA	NO	Enabled	28 %	28 %

DME DME Assessment Results for APPLE2 path SWANN_DQO

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	EMI	OTT	ADW	BAL	SIE	CSN
1.9	OTT	BAL	ENO	ADW		
2.9	EMI	OTT	SIE	BAL	CSN	ENO
3.8	OTT	ENO	BAL	ADW		
3.9	EMI	OTT	SIE	ENO	BAL	CSN
4.0	CSN	EMI				
5.4	CSN	EMI	BAL	SIE		
9.9	CSN	EMI	BAL	SIE	ENO	
10.0	CSN	EMI	SIE			
12.3	EMI	OOD	SIE	ENO	CSN	BAL
13.3	ENO	MXE	BAL	OOD		
13.8	SIE	OOD	ENO	CSN		
14.4	ENO	OOD	SIE			
14.7	ENO	MXE	BAL	OOD		
22.2	ENO	MXE	OOD			
23.2	ENO	DQO	MXE	OOD		
32.0	MXE	VCN	ENO	DQO	OOD	
35.9	MXE	VCN	OOD	ENO		
36.7	PTW	VCN	MXE	OOD	ENO	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
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Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
SWANN	GATBY	EMI, ADW, ENO, BAL, OTT, SIE, CSN	
GATBY	KERNO	EMI, OOD, ENO, BAL, SIE, CSN	
KERNO	ODESA	EMI, DQO, OOD, ENO, MXE, BAL, SIE, CSN	
ODESA	DQO	VCN, PTW, DQO, OOD, ENO, MXE	

User Data Files

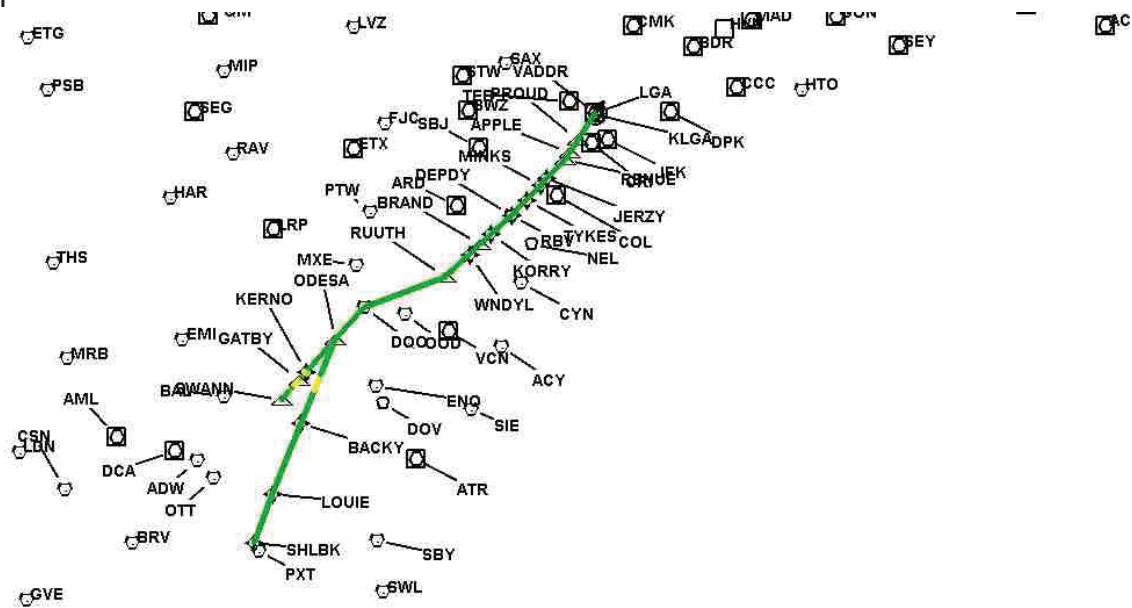
#	File Name
None	

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SIE FAA 698170-26 SIE [IFPA]	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-26	
ESV:		Bearing [True]: 260.0° to 288.0° Bearing [Mag]: 269.0° to 297.0°				Arc Distance: Out to 85.0 NM Altitude: 6900.0 to 16000.0 ft		
2	CYN FAA 704137-11 CYN [IFPA]	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	203.4	113.4	CYN FAA 704137-11	
ESV:		Bearing [True]: 230.0° to 245.0° Bearing [Mag]: 240.0° to 255.0°				Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 18000.0 ft		
3	CSN FAA 682017-18 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-18	
ESV:		Bearing [True]: 59.0° to 76.0° Bearing [Mag]: 65.0° to 82.0°				Arc Distance: Out to 97.0 NM Altitude: 10000.0 to 16000.0 ft		
4	BRV FAA 872079-16 BRV [IFPA]	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	144.5	114.5	BRV FAA 872079-16	
ESV:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 75.0° to 105.0°				Arc Distance: Out to 70.0 NM Altitude: 7000.0 to 23000.0 ft		
5	CSN FAA 682017-21 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-21	
ESV:		Bearing [True]: 44.0° to 154.0° Bearing [Mag]: 50.0° to 160.0°				Arc Distance: Out to 82.0 NM Altitude: 7000.0 to 16000.0 ft		
6	EMI FAA 701388-10 EMI [IFPA]	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	820	117.9	EMI FAA 701388-10	
ESV:		Bearing [True]: 102.0° to 162.0° Bearing [Mag]: 110.0° to 170.0°				Arc Distance: Out to 115.0 NM Altitude: 9900.0 to 19000.0 ft		

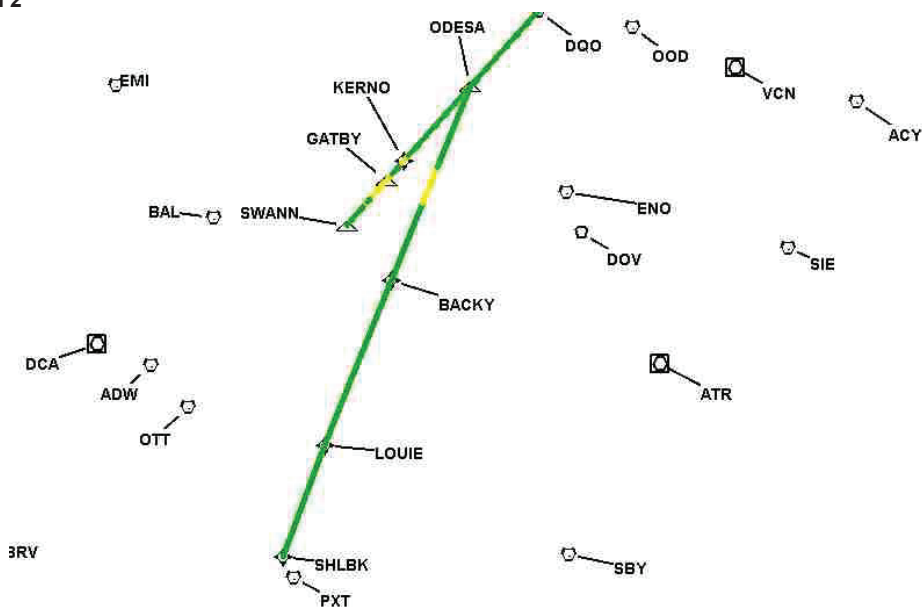


Graphic Depiction 1



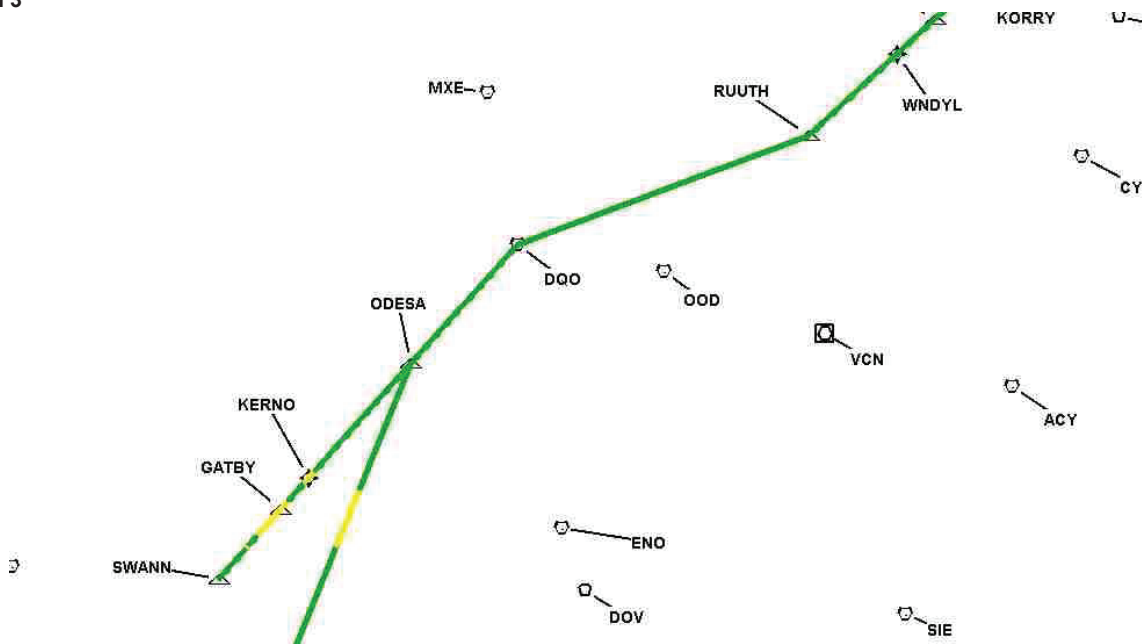
DME DME Assessment Results for APPLE2 path SWANN_DQO

Graphic Depiction 2



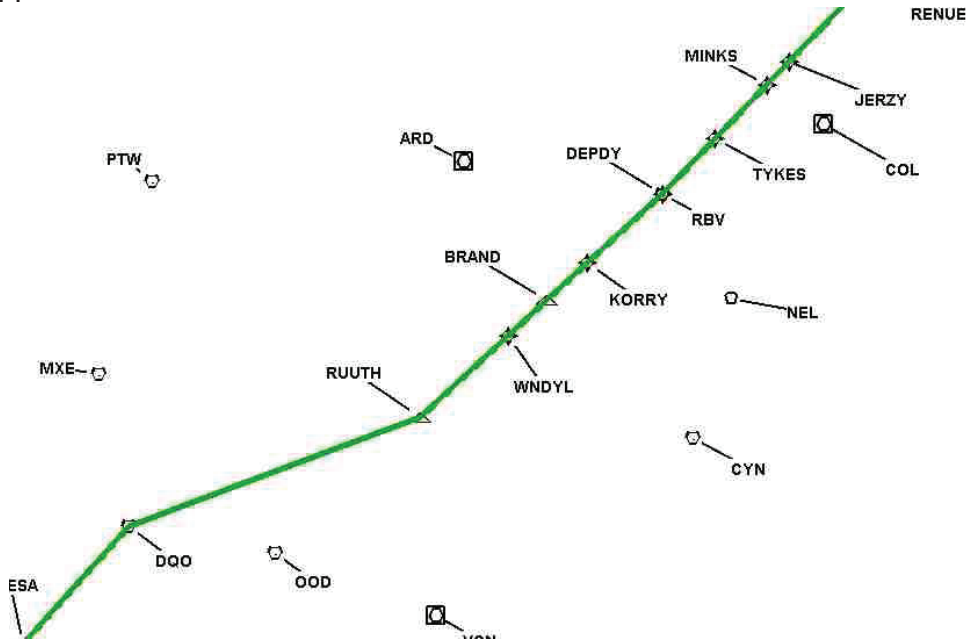
DME DME Assessment Results for APPLE2 path SWANN_DQO

Graphic Depiction 3



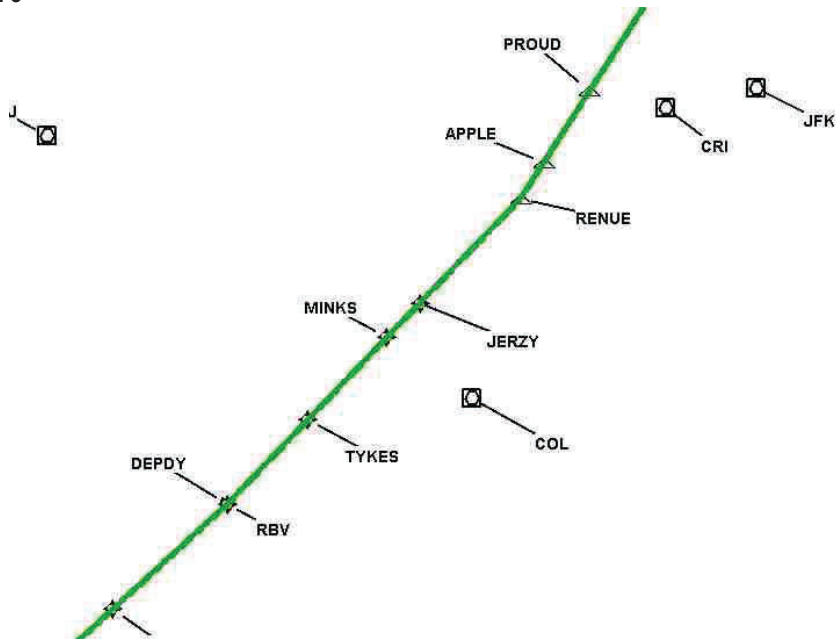
DME DME Assessment Results for APPLE2 path SWANN_DQO

Graphic Depiction 4



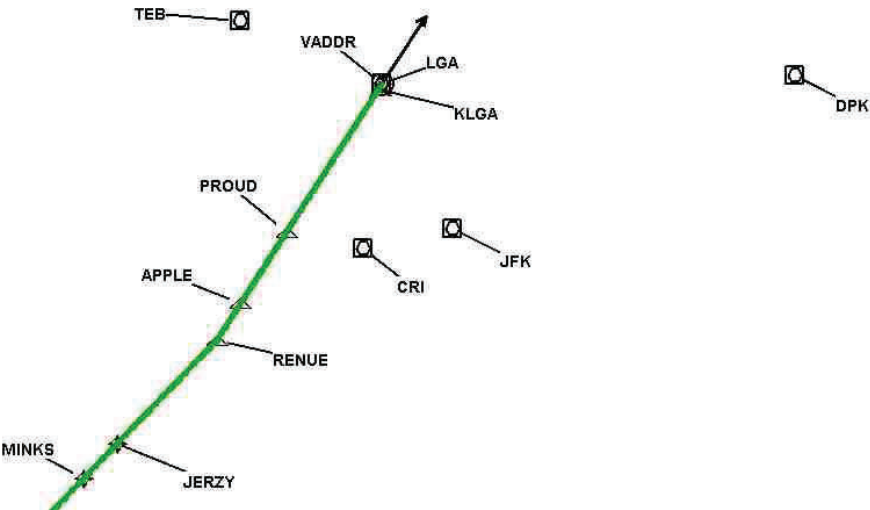
DME DME Assessment Results for APPLE2 path SWANN_DQO

Graphic Depiction 5



DME DME Assessment Results for APPLE2 path SWANN_DQO

Graphic Depiction 6



DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA APPLE2 STAR DME-DME.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KLGA\APPLE2\KLGA [IFPA] APPLE2 20230131_1056 EST\VADDR_RUUTH\KLGA APPLE2 RNAV STAR VADDR RUUTH 20230131_1056 EST.pdf
Procedure Name:	APPLE2
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/31/2023 10:56 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
VADDR	WP	N40° 47' 00.20", W073° 52' 07.00"	6000	VNAV	200	FLY_OVER	TF
PROUD	WP	N40° 37' 47.25", W073° 59' 59.12"	6000	VNAV	200	FLY_BY	TF
APPLE	WP	N40° 33' 22.09", W074° 03' 44.11"	6000	VNAV	200	FLY_BY	TF
RENUE	WP	N40° 31' 06.72", W074° 05' 38.72"	6000	VNAV	200	FLY_BY	TF
JERZY	WP	N40° 24' 38.34", W074° 13' 53.52"	6000	VNAV	200	FLY_BY	TF
MINKS	WP	N40° 22' 29.54", W074° 16' 37.10"	6000	VNAV	200	FLY_BY	TF
TYKES	WP	N40° 17' 22.38", W074° 23' 06.13"	6000	VNAV	200	FLY_BY	TF
DEPDY	WP	N40° 12' 08.25", W074° 29' 42.67"	6000	VNAV	200	FLY_BY	TF
KORRY	WP	N40° 05' 37.83", W074° 39' 05.56"	6000	VNAV	200	FLY_BY	TF
BRAND	WP	N40° 02' 06.28", W074° 44' 09.50"	6000	VNAV	200	FLY_BY	TF
WNDYL	WP	N39° 58' 44.47", W074° 48' 58.56"	6000	VNAV	200	FLY_BY	TF
RUUTH	WP	N39° 51' 01.24", W074° 59' 59.17"	6000	VNAV	200	FLY_BY	TF

DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KLGA [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME DME Assessment Results for APPLE2 path VADDR_RUUTH

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LGA	N40° 47' 01.38", W073° 52' 06.96"	12.0 W	40	L	IFPA	NO	Enabled	47.7 %	47.7 %
2	PTW	N40° 13' 20.03", W075° 33' 36.90"	9.0 W	40	L	IFPA	NO	Enabled	11.8 %	11.8 %
3	DPK	N40° 47' 30.02", W073° 18' 14.43"	12.0 W	40	L	IFPA	NO	Enabled	13.1 %	13.1 %
4	SAX	N41° 04' 03.15", W074° 32' 17.91"	11.0 W	130	H	IFPA	NO	Enabled	15.5 %	15.5 %
5	RBV	N40° 12' 08.65", W074° 29' 42.09"	10.0 W	130	H	IFPA	NO	Enabled	83.3 %	83.3 %
6	CYN	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	H	IFPA	NO	Enabled	65.2 %	65.2 %
7	CRI	N40° 36' 44.90", W073° 53' 40.00"	11.0 W	25	T	IFPA	NO	Enabled	32.4 %	32.4 %
8	TEB	N40° 50' 55.39", W074° 03' 44.07"	11.0 W	25	T	IFPA	NO	Enabled	28.9 %	28.9 %
9	DQO	N39° 40' 41.30", W075° 36' 25.51"	10.0 W	40	L	IFPA	NO	Enabled	12.1 %	12.1 %
10	CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	L	IFPA	NO	Enabled	8.8 %	8.8 %
11	ACY	N39° 27' 21.15", W074° 34' 34.73"	10.0 W	40	L	IFPA	NO	Enabled	24 %	24 %
12	COL	N40° 18' 41.88", W074° 09' 35.02"	11.0 W	40	L	IFPA	NO	Enabled	84.8 %	84.8 %
13	VCN	N39° 32' 15.62", W074° 58' 01.72"	10.0 W	40	L	IFPA	NO	Enabled	30.9 %	30.9 %
14	ARD	N40° 15' 12.03", W074° 54' 27.40"	10.0 W	40	L	IFPA	NO	Enabled	72.1 %	72.1 %
15	SBJ	N40° 34' 58.96", W074° 44' 30.45"	10.0 W	40	L	IFPA	NO	Enabled	65.9 %	65.9 %
16	JFK	N40° 37' 58.40", W073° 46' 17.00"	12.0 W	130	H	IFPA	NO	Enabled	53.7 %	53.7 %
17	NEL	N40° 02' 13.10", W074° 21' 11.32"	11.0 W	25	T	IFPA	NO	Enabled	49.7 %	49.7 %
18	OOD	N39° 38' 09.88", W075° 18' 11.00"	10.0 W	40	L	IFPA	NO	Enabled	27.1 %	27.1 %
19	MXE	N39° 55' 04.98", W075° 40' 14.96"	9.0 W	40	L	IFPA	NO	Enabled	11.3 %	11.3 %
20	BWZ	N40° 47' 54.36", W074° 49' 18.60"	11.0 W	40	L	IFPA	NO	Enabled	16.1 %	16.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	TEB	CMK	COL	SAX	CRI	JFK
5.1	LGA	JFK	SAX	CMK	COL	TEB
6.8	RBV	SAX	JFK	COL	LGA	TEB
12.0	TEB	JFK	SBJ	DPK	COL	LGA
16.7	TEB	SBJ	COL	JFK	CRI	LGA
22.2	SBJ	COL	LGA	ARD	RBV	
28.3	RBV	BWZ	LGA	CRI	SBJ	CYN
32.7	LGA	SBJ	RBV	BWZ	JFK	CYN
36.1	NEL	COL	RBV	SBJ	LGA	CYN
39.7	NEL	COL	SBJ	JFK	CYN	ARD
42.6	NEL	COL	CYN	ARD	SBJ	
56.9	OOD	ARD	RBV	CYN	COL	NEL
66.7	CYN	VCN	ACY	COL	RBV	OOD
68.5	DQO	ACY	MXE	ARD	CYN	VCN

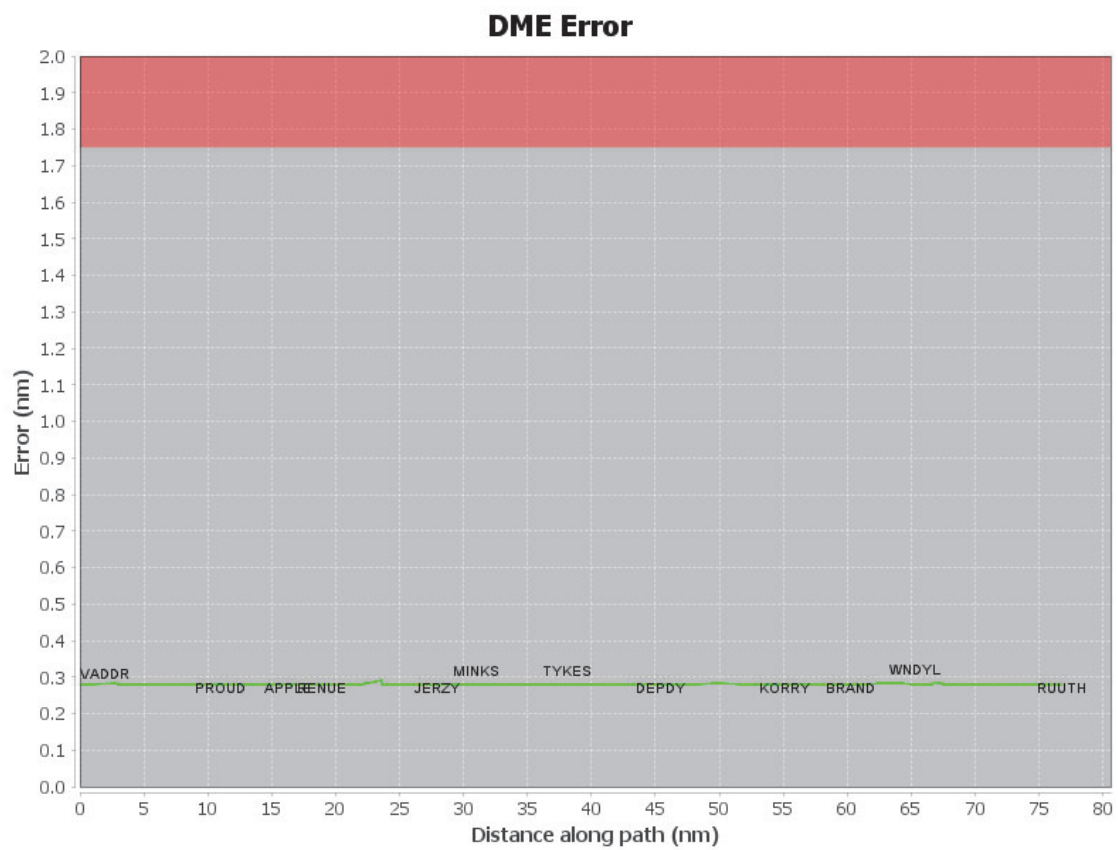
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
VADDR	PROUD	CMK, TEB, COL, LGA, RBV, SBJ, SAX, CRI, JFK, DPK	
PROUD	APPLE	TEB, COL, RBV, LGA, SBJ, SAX, CRI, JFK, DPK	
APPLE	RENUE	TEB, COL, RBV, LGA, SBJ, CRI, JFK, DPK	
RENUE	JERZY	TEB, COL, ARD, BWZ, RBV, LGA, CYN, SBJ, CRI, JFK	
JERZY	MINKS	COL, ARD, BWZ, NEL, RBV, LGA, CYN, SBJ, CRI, JFK	
MINKS	TYKES	COL, ARD, BWZ, NEL, RBV, LGA, CYN, SBJ, CRI, JFK	
TYKES	DEPDY	COL, ARD, NEL, RBV, LGA, CYN, SBJ, JFK	
DEPDY	KORRY	VCN, COL, ARD, NEL, RBV, CYN, SBJ	
KORRY	BRAND	VCN, COL, ARD, NEL, OOD, RBV, ACY, CYN, SBJ	
BRAND	WNDYL	VCN, COL, ARD, NEL, OOD, RBV, ACY, CYN	
WNDYL	RUUTH	VCN, COL, PTW, ARD, DQO, NEL, OOD, RBV, ACY, CYN, MXE	

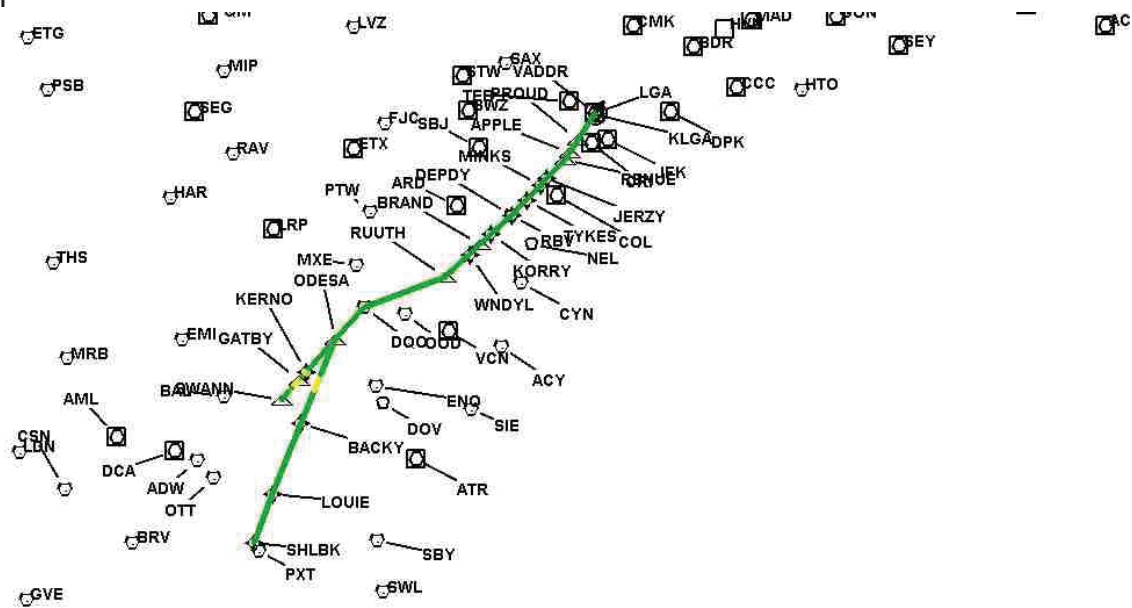
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SIE FAA 698170-26 SIE [IFPA]	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-26	
ESV:		Bearing [True]: 260.0° to 288.0° Bearing [Mag]: 269.0° to 297.0°				Arc Distance: Out to 85.0 NM Altitude: 6900.0 to 16000.0 ft		
2	CYN FAA 704137-11 CYN [IFPA]	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	203.4	113.4	CYN FAA 704137-11	
ESV:		Bearing [True]: 230.0° to 245.0° Bearing [Mag]: 240.0° to 255.0°				Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 18000.0 ft		
3	CSN FAA 682017-18 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-18	
ESV:		Bearing [True]: 59.0° to 76.0° Bearing [Mag]: 65.0° to 82.0°				Arc Distance: Out to 97.0 NM Altitude: 10000.0 to 16000.0 ft		
4	BRV FAA 872079-16 BRV [IFPA]	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	144.5	114.5	BRV FAA 872079-16	
ESV:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 75.0° to 105.0°				Arc Distance: Out to 70.0 NM Altitude: 7000.0 to 23000.0 ft		
5	CSN FAA 682017-21 CSN [IFPA]	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	441.8	116.3	CSN FAA 682017-21	
ESV:		Bearing [True]: 44.0° to 154.0° Bearing [Mag]: 50.0° to 160.0°				Arc Distance: Out to 82.0 NM Altitude: 7000.0 to 16000.0 ft		
6	EMI FAA 701388-10 EMI [IFPA]	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	820	117.9	EMI FAA 701388-10	
ESV:		Bearing [True]: 102.0° to 162.0° Bearing [Mag]: 110.0° to 170.0°				Arc Distance: Out to 115.0 NM Altitude: 9900.0 to 19000.0 ft		

DME DME Assessment Results for APPLE2 path VADDR_RUUTH



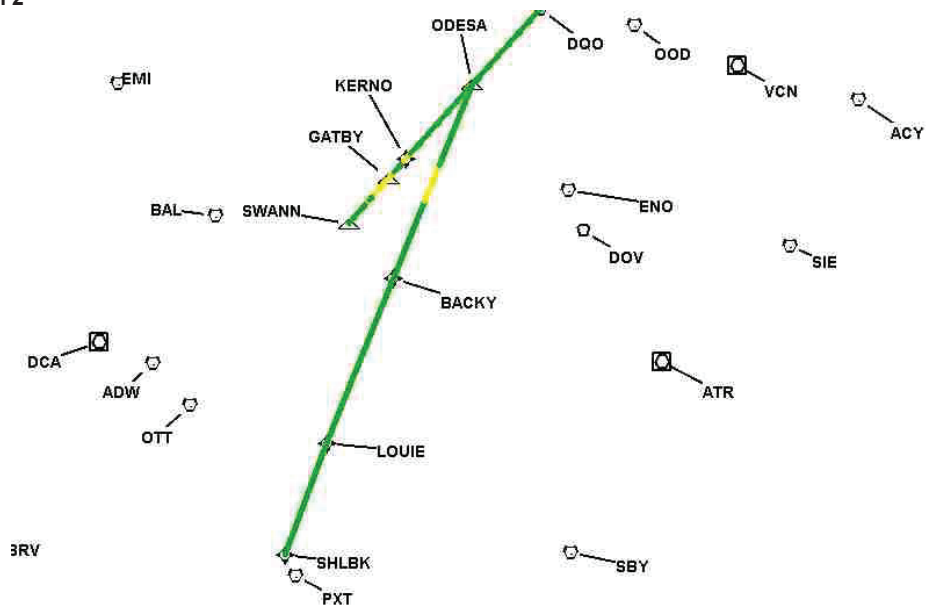
DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Graphic Depiction 1



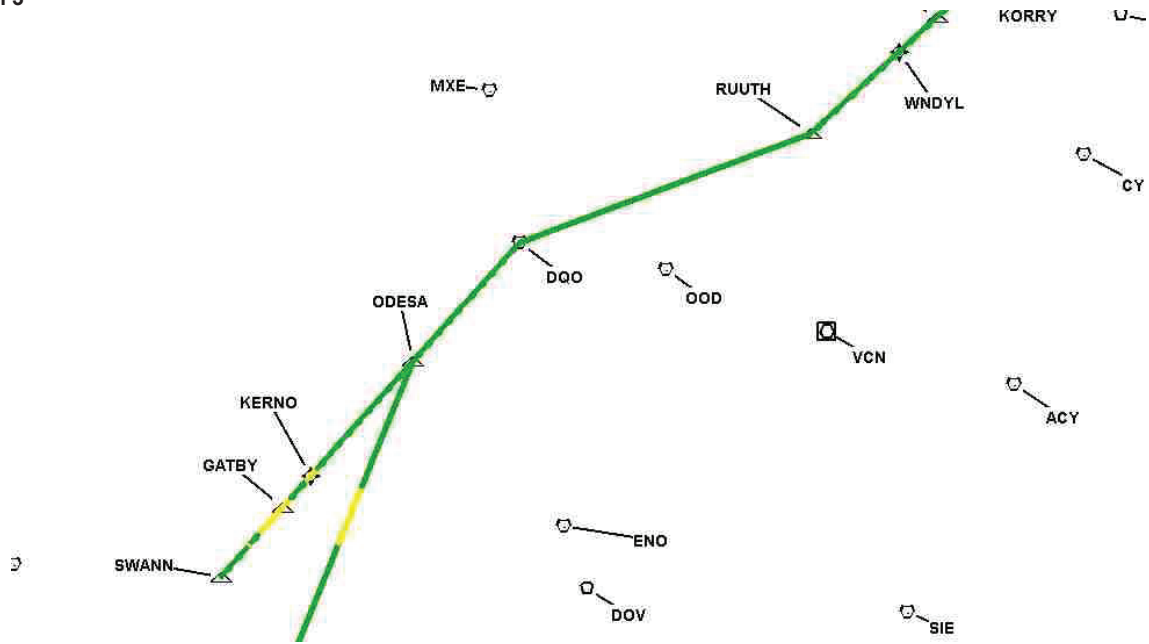
DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Graphic Depiction 2



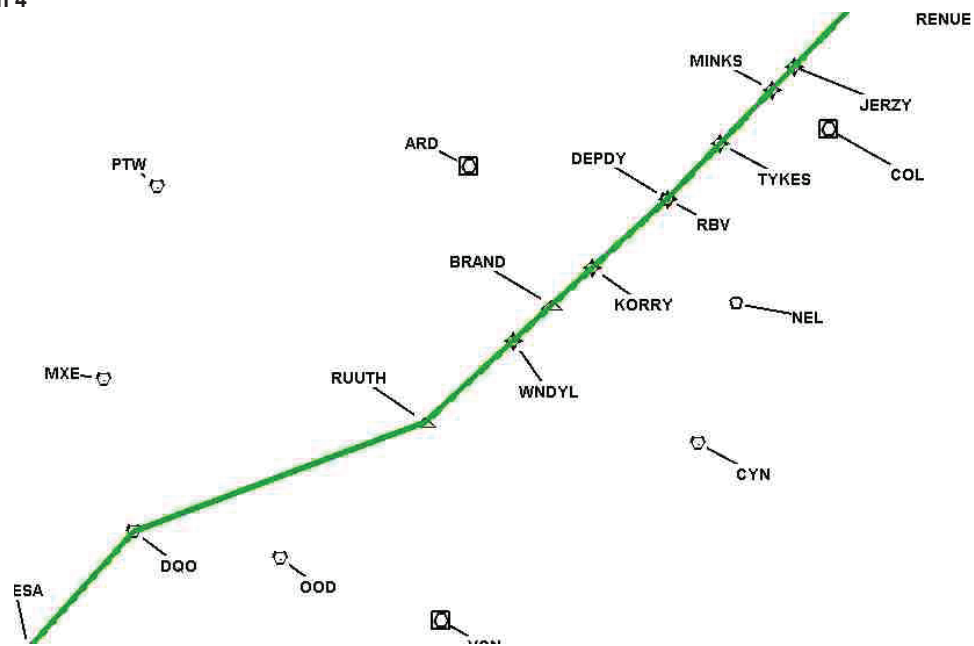
Graphic Depiction 3

DME DME Assessment Results for APPLE2 path VADDR_RUUTH



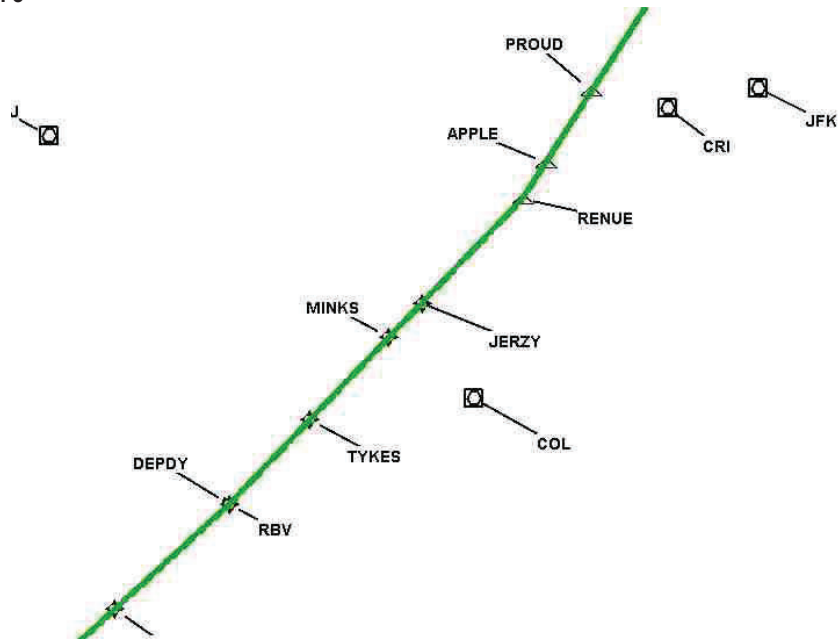
DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Graphic Depiction 4



DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Graphic Depiction 5



DME DME Assessment Results for APPLE2 path VADDR_RUUTH

Graphic Depiction 6

