

DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Andrea J Chaney
Project File:	C:\Users\Andrea J Chaney\Desktop\TERPs\Andrea TERPs Work\DC\DC_DCA_SID_7-16-20\DCA_RSID_WYNGS_5\DC_KDCA_SID_WYNGS FIVE RNAV_DATA\DCA_WYNGS5 RNAV SID\WYNGS-DME.tgs
Output File:	C:\Users\ANDREA~1\AppData\Local\Temp\dmePreview5452213140185992263.pdf
Procedure Name:	WYNGS5
Software: DmeDmePlugin:	6.0.0
Date/Time:	03/16/2020 16:49 EDT
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW01:DER	WP	N38° 51' 40.29", W077° 02' 19.41"	12.1	VNAV	130	FLY_BY	TF
REVGE	WP	N38° 53' 59.46", W077° 04' 14.24"	1500	VNAV	220	FLY_BY	TF
BEBLE	WP	N38° 54' 55.81", W077° 06' 26.92"	1892.9	VNAV	220	FLY_BY	TF
RGIII	WP	N38° 58' 00.54", W077° 08' 48.38"	2609.7	VNAV	220	FLY_BY	TF
MELOE	WP	N38° 59' 37.28", W077° 19' 08.69"	4254	VNAV	220	FLY_BY	TF
WYNGS	WP	N38° 56' 55.04", W077° 51' 07.02"	5000	VNAV	220	FLY_BY	TF
RAMAY	WP	N38° 57' 38.57", W078° 12' 59.01"	8400	VNAV	220	FLY_BY	TF
Climb Gradient: 825.0 ft/NM up to 600.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	825.0 ft/NM up to 600.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 WYNGS5 path KDCA:RW01:DER_RAMAY

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
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	MRB	N39° 23' 08.06", W077° 50' 54.08"	7.0 W	40	L	IFPA	NO	Enabled	79.2 %	80 %
2	OTT	N38° 42' 21.14", W076° 44' 41.09"	10.0 W	40	L	IFPA	NO	Enabled	20.8 %	21 %
3	LDN	N38° 51' 15.81", W078° 12' 20.00"	6.0 W	40	L	IFPA	NO	Enabled	51.5 %	52 %
4	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	34.3 %	34.6 %
5	CSN	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	H	IFPA	NO	Enabled	62.8 %	63.4 %
6	ESL	N39° 13' 31.77", W078° 59' 22.20"	6.0 W	40	L	IFPA	NO	Enabled	1.1 %	1.2 %
7	AML	N38° 56' 04.54", W077° 28' 00.13"	8.0 W	40	L	IFPA	NO	Enabled	70.6 %	71.3 %
8	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	11 %	11 %
9	DCA	N38° 51' 34.03", W077° 02' 11.17"	9.0 W	40	L	IFPA	NO	Enabled	34.3 %	34.7 %
10	EMI	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	H	IFPA	NO	Enabled	28.6 %	28.9 %

DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.7	BAL	ADW				
2.0						
2.3	BAL	ADW				
2.4						
3.3	BAL	DCA				
4.4	BAL	DCA	EMI			
4.5	BAL	EMI				
4.6	BAL	DCA	EMI			
5.0	BAL	DCA	ADW	EMI		
5.2	ADW	EMI	BAL			
5.4	BAL	DCA	EMI			
5.5	BAL	DCA	CSN	ADW	EMI	
5.6	BAL	DCA	ADW	EMI		
5.7	ADW	EMI	BAL			
5.8	BAL	EMI				
5.8	BAL	DCA	EMI			
6.0	ADW	EMI	BAL			
6.2	BAL	DCA	CSN	ADW	EMI	
6.2	BAL	EMI				
6.3	BAL	DCA	EMI			
6.5	BAL	EMI				
6.6	BAL	DCA	EMI			
6.7	BAL	DCA	ADW	EMI		
6.8	BAL	DCA	EMI			
6.9	BAL	EMI				
6.9	BAL	DCA	EMI			
7.2	BAL	DCA	CSN	ADW	EMI	
7.2	BAL	EMI				
7.4	BAL	DCA	EMI			
7.4	BAL	EMI				
7.7	BAL	DCA	EMI			
7.9	BAL	DCA	CSN	ADW	EMI	
8.1	BAL	DCA	AML	EMI		
8.2	BAL	DCA	AML	EMI	ADW	
8.5	BAL	DCA	AML	EMI		
9.2	CSN	DCA	BAL	AML	EMI	
9.5	BAL	DCA	AML	EMI		
9.6	AML	EMI	BAL			
9.7	BAL	DCA	ADW	EMI	AML	
9.7	BAL	DCA	AML	EMI		
10.3	AML	EMI	BAL			
10.3	ADW	EMI	AML	BAL		
10.5	CSN	DCA	OTT	EMI	BAL	AML
10.5	BAL	DCA	EMI	AML		
10.7	OTT	EMI	BAL	AML		
10.8	CSN	DCA	OTT	EMI	BAL	AML
11.3	CSN	DCA	EMI	BAL	AML	
11.3	ADW	EMI	MRB	CSN	OTT	BAL
11.4	MRB	CSN	OTT	EMI	BAL	AML
11.6	OTT	EMI	CSN	BAL	AML	
12.0	CSN	DCA	EMI	BAL	AML	
12.1	ADW	EMI	MRB	CSN	OTT	BAL
12.1	MRB	CSN	EMI	BAL	AML	
15.8	ADW	EMI	DCA	OTT	MRB	CSN
15.9	OTT	EMI	MRB	CSN	AML	BAL

DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
16.2	OTT	EMI	MRB	CSN	BAL	
21.4	MRB	CSN	OTT	BAL	DCA	LDN
22.2	MRB	CSN	OTT	BAL	LDN	
23.4	MRB	CSN	OTT	DCA	LDN	
23.5	MRB	CSN	OTT	LDN		
23.6	MRB	CSN	OTT	DCA	LDN	
23.7	MRB	CSN	OTT	LDN		
23.8	MRB	CSN	DCA	LDN		
23.9	MRB	CSN	LDN			
24.4	MRB	CSN	DCA	LDN		
24.4	MRB	CSN	ADW	LDN	DCA	
24.9	MRB	CSN	ADW	LDN		
24.9	MRB	CSN	LDN			
25.0	MRB	CSN	LDN	ADW		
25.2	MRB	CSN	LDN	ADW	DCA	
25.3	MRB	CSN	LDN	ADW		
25.4	MRB	CSN	LDN			
26.3	MRB	LDN	CSN	ADW		
26.5	MRB	LDN	CSN	ADW	DCA	
26.8	MRB	LDN	CSN			
27.1	MRB	LDN	CSN	DCA		
27.1	MRB	LDN	CSN			
28.1	MRB	LDN	CSN	ADW		
28.2	MRB	LDN	CSN	ADW	DCA	
28.3	MRB	LDN	CSN	ADW		
28.7	MRB	LDN	CSN	ADW	DCA	
28.8	MRB	LDN	CSN	DCA		
29.1	AML	CSN	MRB	LDN	DCA	
29.9	MRB	LDN	AML	CSN		
30.3	MRB	LDN	AML	CSN	ADW	
31.4	MRB	LDN	AML	CSN	DCA	
31.6	MRB	LDN	AML	CSN		
31.8	MRB	LDN	AML	CSN	DCA	
31.9	MRB	LDN	AML	CSN		
32.1	MRB	LDN	AML	CSN	DCA	
33.7	MRB	LDN	AML	CSN		
34.1	MRB	LDN	CSN	DCA	AML	
34.2	MRB	LDN	AML	CSN		
35.1	MRB	LDN	CSN	DCA	AML	
36.5	MRB	LDN	AML	CSN		
36.6	MRB	LDN	CSN	DCA	AML	
36.8	MRB	LDN	AML	CSN		
38.3	CSN	DCA	AML	MRB	LDN	
38.5	AML	CSN	MRB	LDN		
38.8	CSN	DCA	AML	MRB	LDN	
42.7	AML	MRB	CSN	LDN		
47.7	AML	MRB	LDN			
48.1	AML	MRB				
54.9	AML	MRB	LDN			
56.2	AML	MRB				
58.0	AML	LDN	MRB			
58.1	AML	LDN	MRB	ESL		

DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N38° 51' 42.44", W077° 02' 19.62"	N38° 53' 06.72", W077° 03' 17.13"	1.6633
2	N38° 53' 21.79", W077° 03' 33.44"	N38° 53' 34.35", W077° 03' 47.04"	0.2739
3	N38° 53' 39.37", W077° 03' 52.48"	N38° 54' 13.12", W077° 04' 46.40"	0.9143

Available DMEs by Waypoints

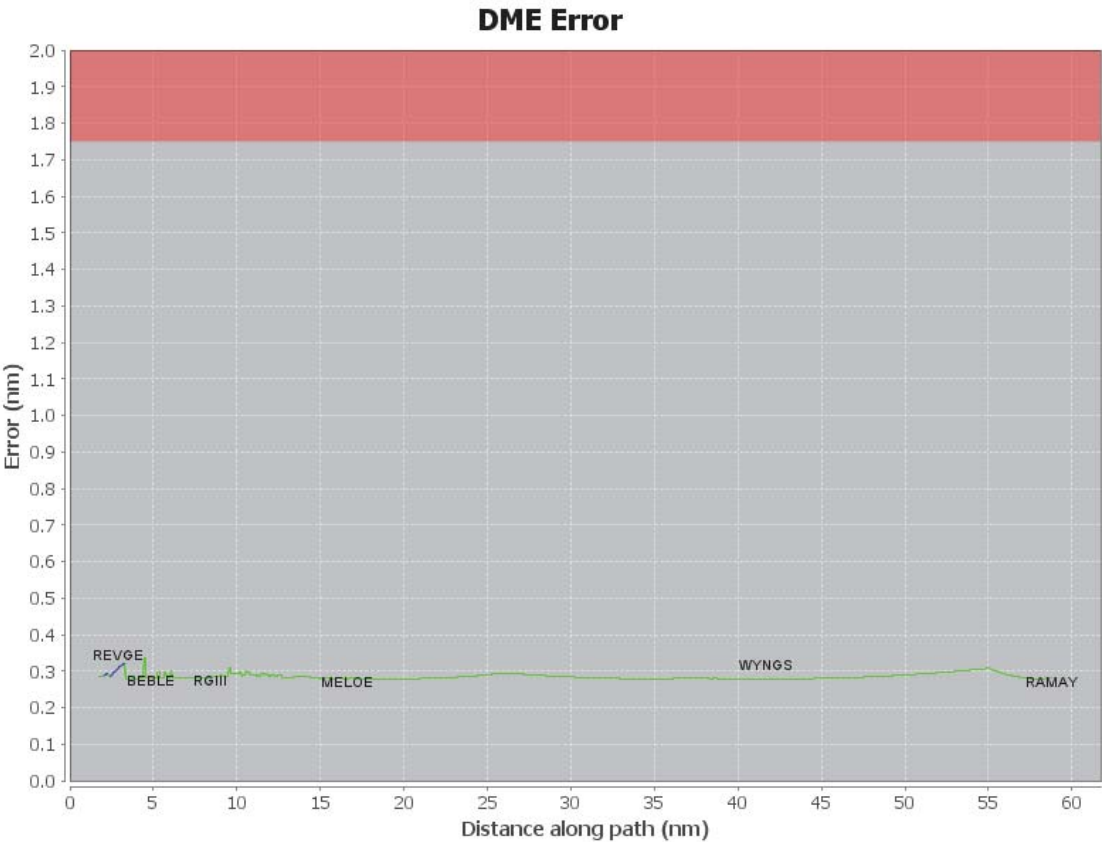
Waypoint Before	Waypoint After	DME List
KDCA:RW01:DER	REVGE	ADW, BAL
REVGE	BEBLE	EMI, DCA, BAL
BEBLE	RGIII	EMI, AML, DCA, ADW, BAL, CSN
RGIII	MELOE	AML, EMI, DCA, ADW, MRB, BAL, OTT, CSN
MELOE	WYNGS	AML, EMI, DCA, ADW, LDN, MRB, BAL, OTT, CSN
WYNGS	RAMAY	AML, DCA, LDN, MRB, CSN, ESL

User Data Files

#	File Name
None	

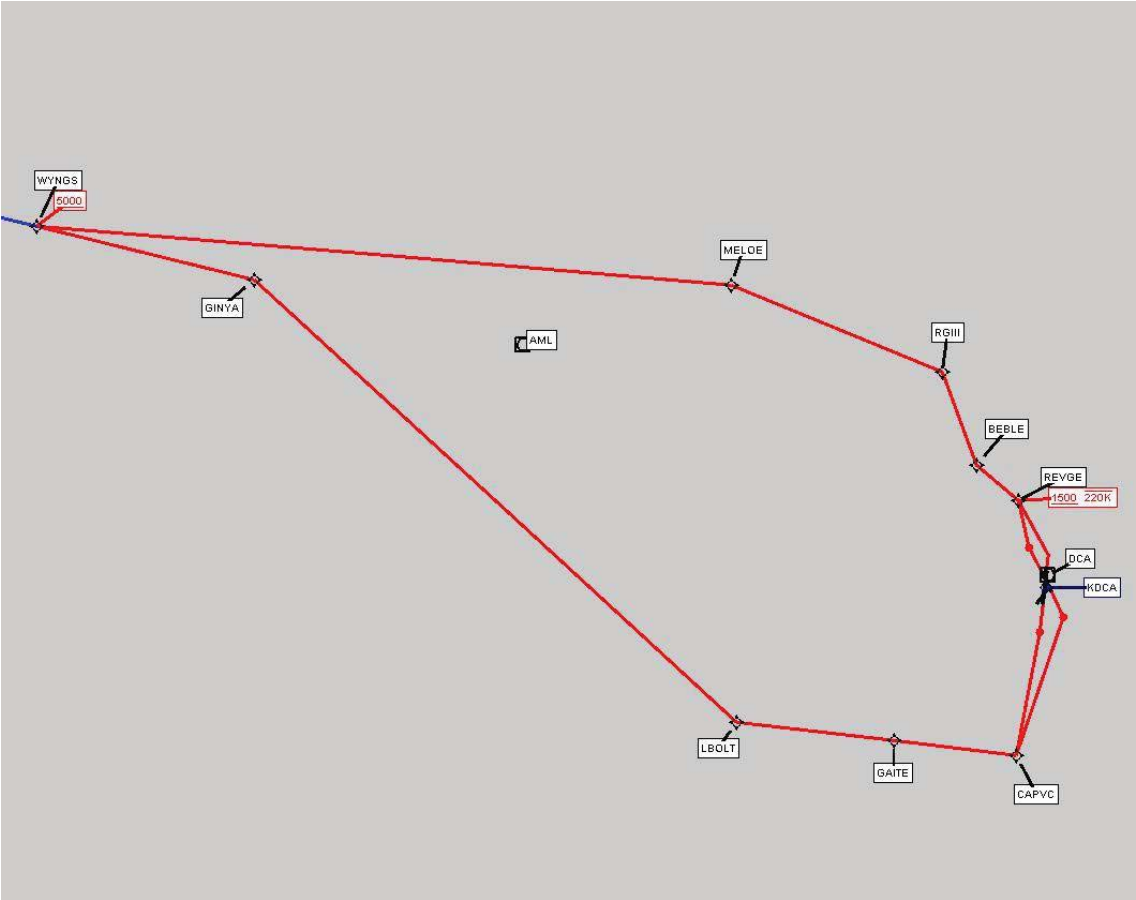
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAK FAA 698146-14 FAK [IFPA]	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-14	
ESV:		Bearing [True]: 309.0° to 3.0° Bearing [Mag]: 315.0° to 9.0°				Arc Distance: Out to 86.0 NM Altitude: 5000.0 to 16000.0 ft		



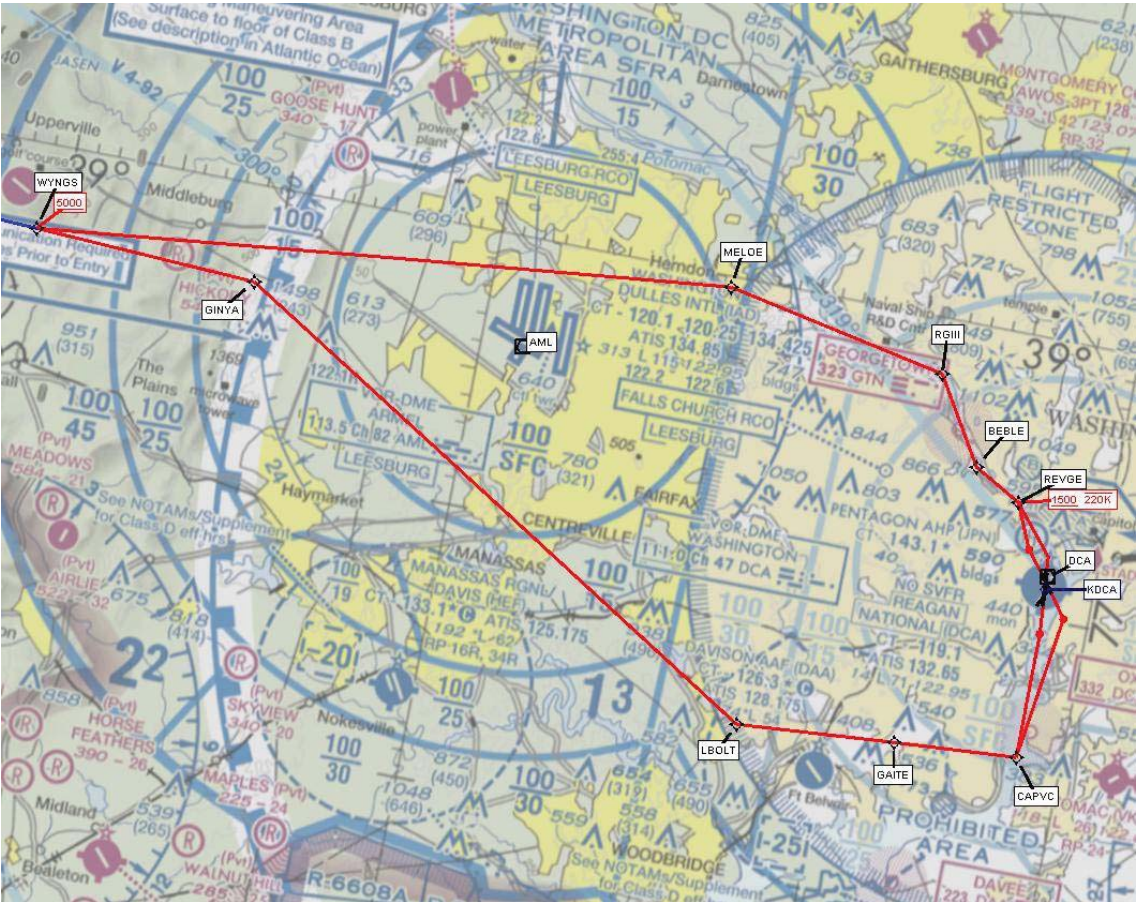
DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Graphic Depiction 1



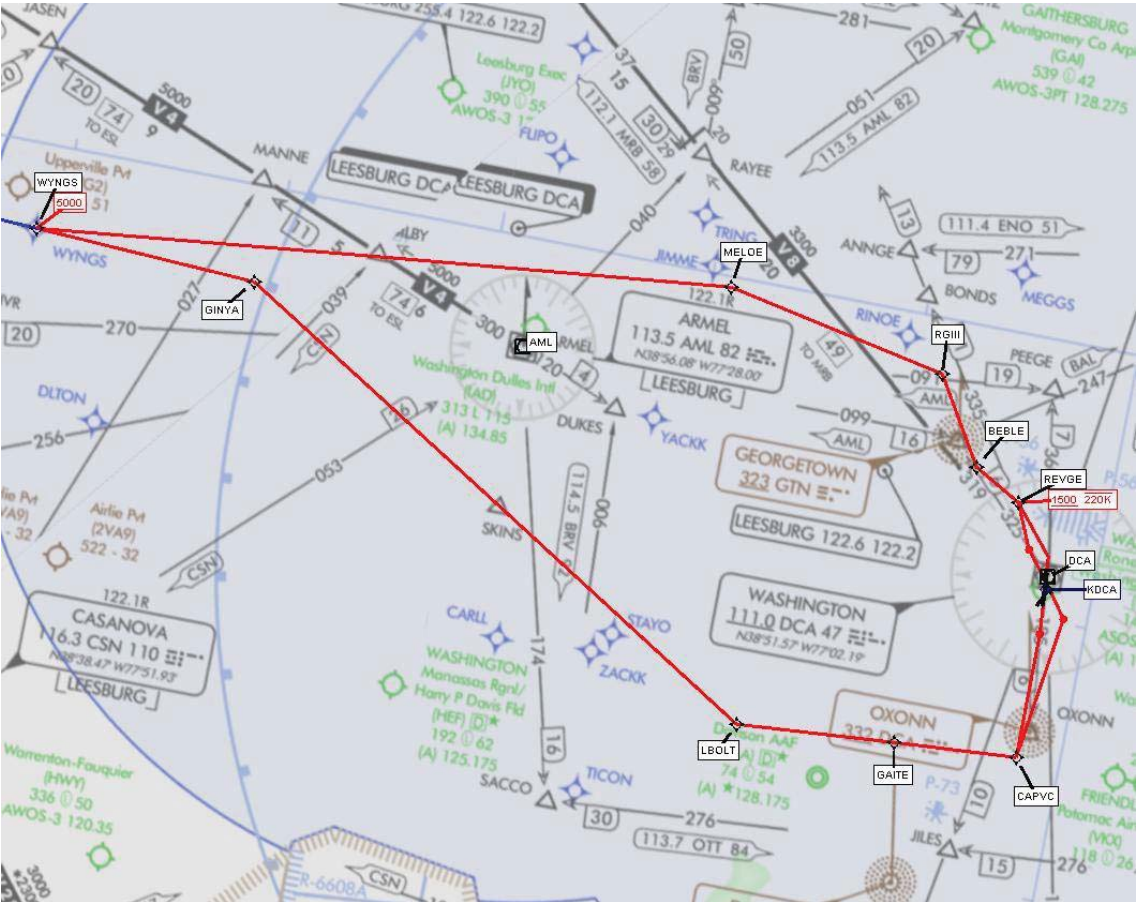
DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Graphic Depiction 2



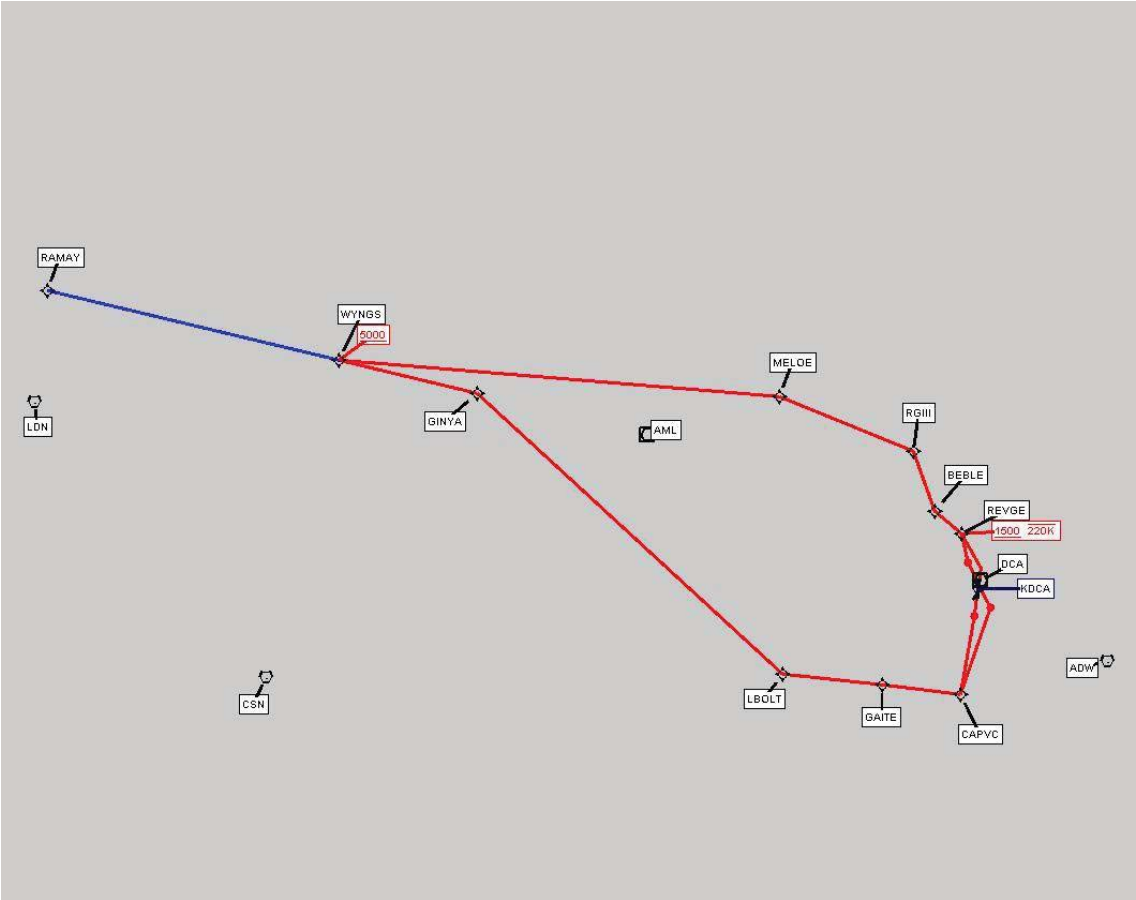
DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Graphic Depiction 3



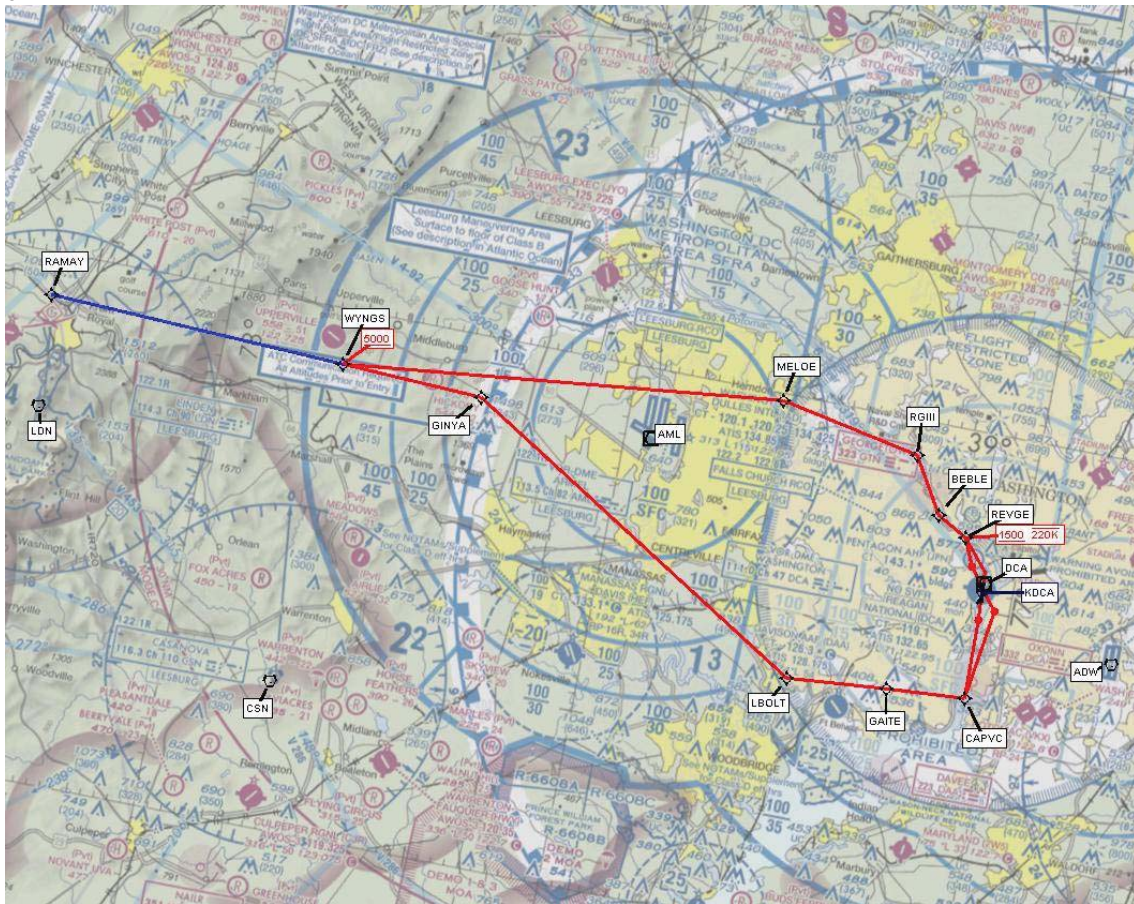
DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Graphic Depiction 4



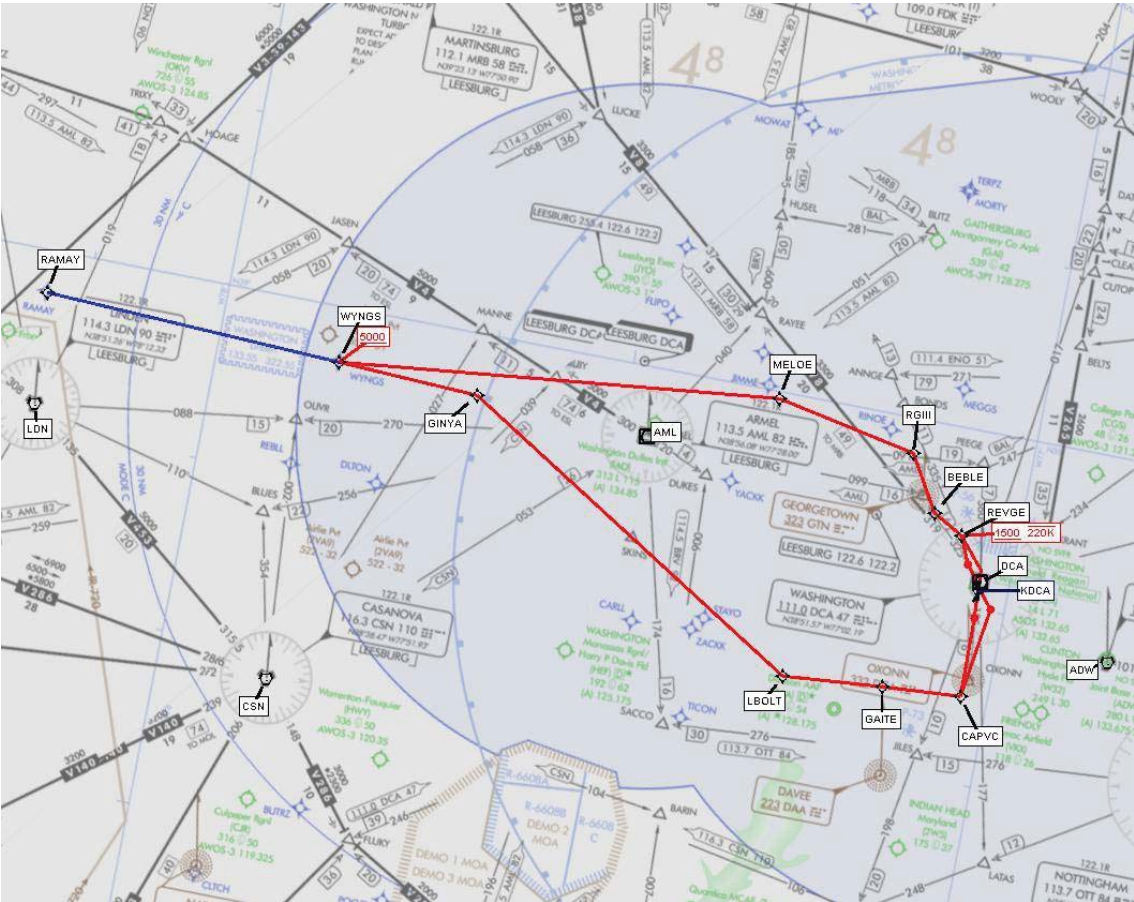
DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Graphic Depiction 5



DME DME Assessment Results for WYNGS5 path KDCA:RW01:DER_RAMAY

Graphic Depiction 6



DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Andrea J Chaney
Project File:	C:\Users\Andrea J Chaney\Desktop\TERPs\Andrea TERPs Work\DC\DC_DCA_SID_7-16-20\DCA_RSID_WYNGS_5\DC_KDCA_SID_WYNGS FIVE RNAV_DATA\DCA_WYNGS5 RNAV SID\WYNGS-DME.tgs
Output File:	C:\Users\ANDREA~1\AppData\Local\Temp\dmePreview7528448051178628731.pdf
Procedure Name:	WYNGS5
Software: DmeDmePlugin:	6.0.0
Date/Time:	03/16/2020 16:46 EDT
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW15:DER	WP	N38° 50' 59.29", W077° 01' 55.95"	10.3	VNAV	130	FLY_OVER	TF
CAPVC	WP	N38° 44' 58.80", W077° 02' 04.96"	1415.9	VNAV	200	FLY_BY	TF
GAITE	WP	N38° 44' 40.12", W077° 07' 44.97"	2304.8	VNAV	200	FLY_BY	TF
LBOLT	WP	N38° 44' 13.13", W077° 15' 01.42"	3446.6	VNAV	200	FLY_BY	TF
GINYA	WP	N38° 56' 33.05", W077° 40' 48.26"	5000	VNAV	200	FLY_BY	TF
WYNGS	WP	N38° 56' 55.04", W077° 51' 07.02"	5000	VNAV	220	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 515.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	500.0 ft/NM up to 515.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 WYNGS5 path KDCA:RW15:DER_WYNGS

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
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	MRB	N39° 23' 08.06", W077° 50' 54.08"	7.0 W	40	L	IFPA	NO	Enabled	41 %	42.7 %
2	OTT	N38° 42' 21.14", W076° 44' 41.09"	10.0 W	40	L	IFPA	NO	Enabled	54.6 %	55.3 %
3	LDN	N38° 51' 15.81", W078° 12' 20.00"	6.0 W	40	L	IFPA	NO	Enabled	47.4 %	49.3 %
4	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	24.4 %	24.4 %
5	BRV	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	L	IFPA	NO	Enabled	70.2 %	71.5 %
6	CSN	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	H	IFPA	NO	Enabled	81.3 %	84.5 %
7	AML	N38° 56' 04.54", W077° 28' 00.13"	8.0 W	40	L	IFPA	NO	Enabled	61 %	63.4 %
8	DCA	N38° 51' 34.03", W077° 02' 11.17"	9.0 W	40	L	IFPA	NO	Enabled	73.9 %	76.5 %
9	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	18.2 %	18.9 %

DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
2.9	OTT	BRV				
3.6	OTT	BRV	BAL			
4.6	OTT	BRV	BAL	DCA		
6.3	OTT	BRV	BAL			
7.4	OTT	DCA	CSN	BRV	BAL	
11.4	CSN	BRV				
11.7	AML	DCA	BAL	BRV	CSN	
15.7	AML	DCA	OTT	BRV	CSN	
21.8	AML	CSN	DCA			
21.9	OTT	BRV	AML	CSN	DCA	
28.4	MRB	CSN	BRV	DCA	LDN	OTT
32.5	LDN	BRV	DCA	MRB	CSN	ADW
37.4	MRB	LDN	BRV	AML	CSN	ADW
37.5	MRB	LDN	AML	CSN	ADW	
39.6	MRB	LDN	AML	CSN		
39.9	MRB	LDN	CSN	DCA	AML	
40.4	MRB	LDN	AML	CSN		
40.6	MRB	LDN	CSN	DCA	AML	
40.9	MRB	LDN	AML	CSN		
43.2	MRB	LDN	CSN	DCA	AML	
43.5	MRB	LDN	AML	CSN		
43.9	MRB	LDN	CSN	DCA	AML	

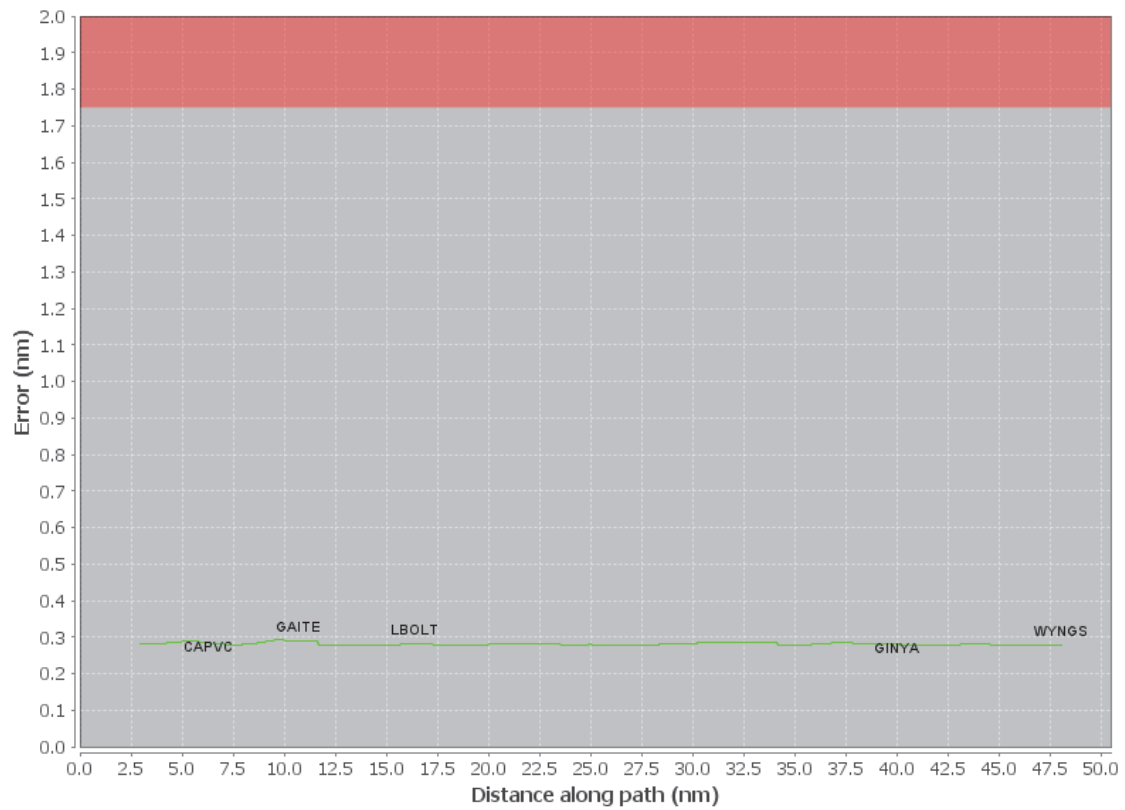
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 50' 57.57", W077° 01' 54.27"	N38° 48' 16.67", W077° 01' 29.47"	2.897

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KDCA:RW15:DER	CAPVC	DCA, BRV, BAL, OTT
CAPVC	GAITE	DCA, BRV, BAL, OTT, CSN
GAITE	LBOLT	AML, DCA, BRV, BAL, OTT, CSN
LBOLT	GINYA	AML, DCA, ADW, BRV, LDN, MRB, BAL, OTT, CSN
GINYA	WYNGS	AML, DCA, ADW, LDN, MRB, CSN

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAK FAA 698146-14 FAK [IFPA]	N37° 31' 42.63" W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-14	
ESV:		Bearing [True]: 309.0° to 3.0° Bearing [Mag]: 315.0° to 9.0°				Arc Distance: Out to 86.0 NM Altitude: 5000.0 to 16000.0 ft		

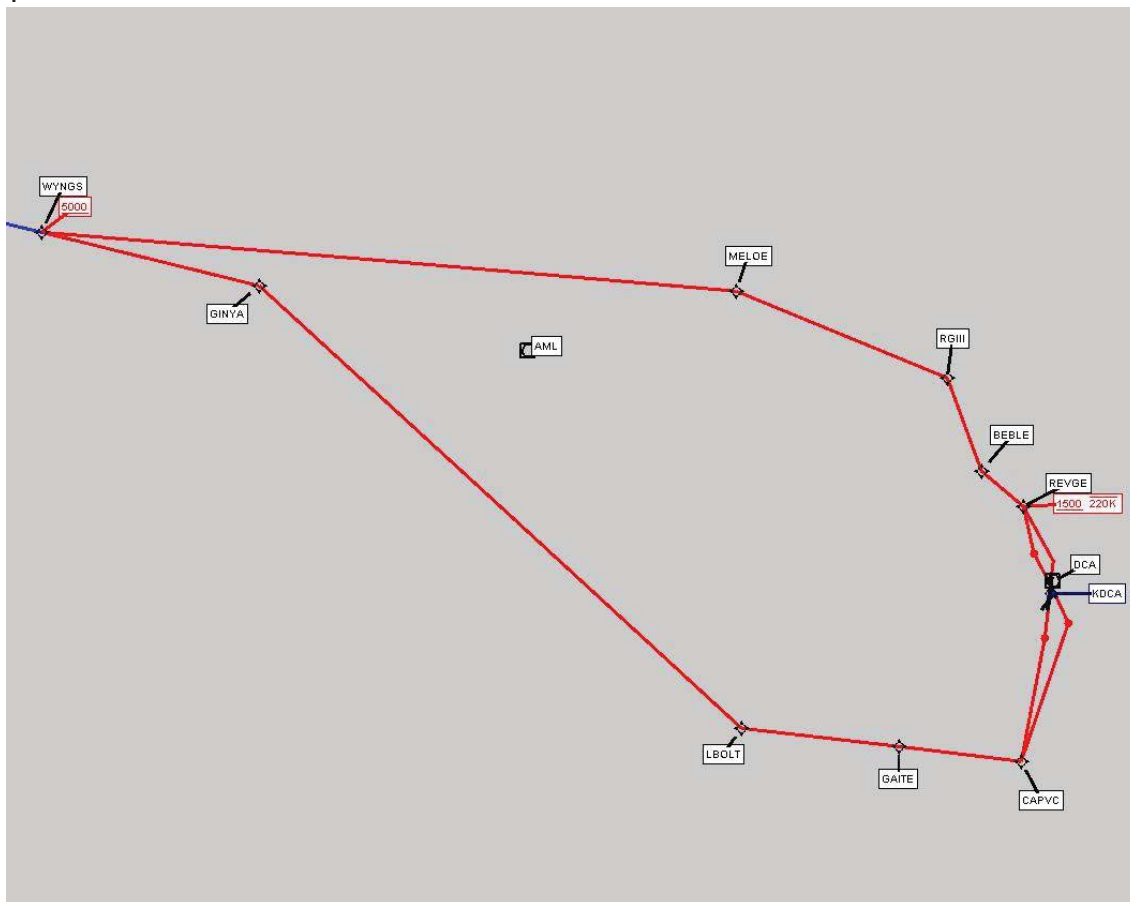
DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

DME Error



DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Graphic Depiction 1



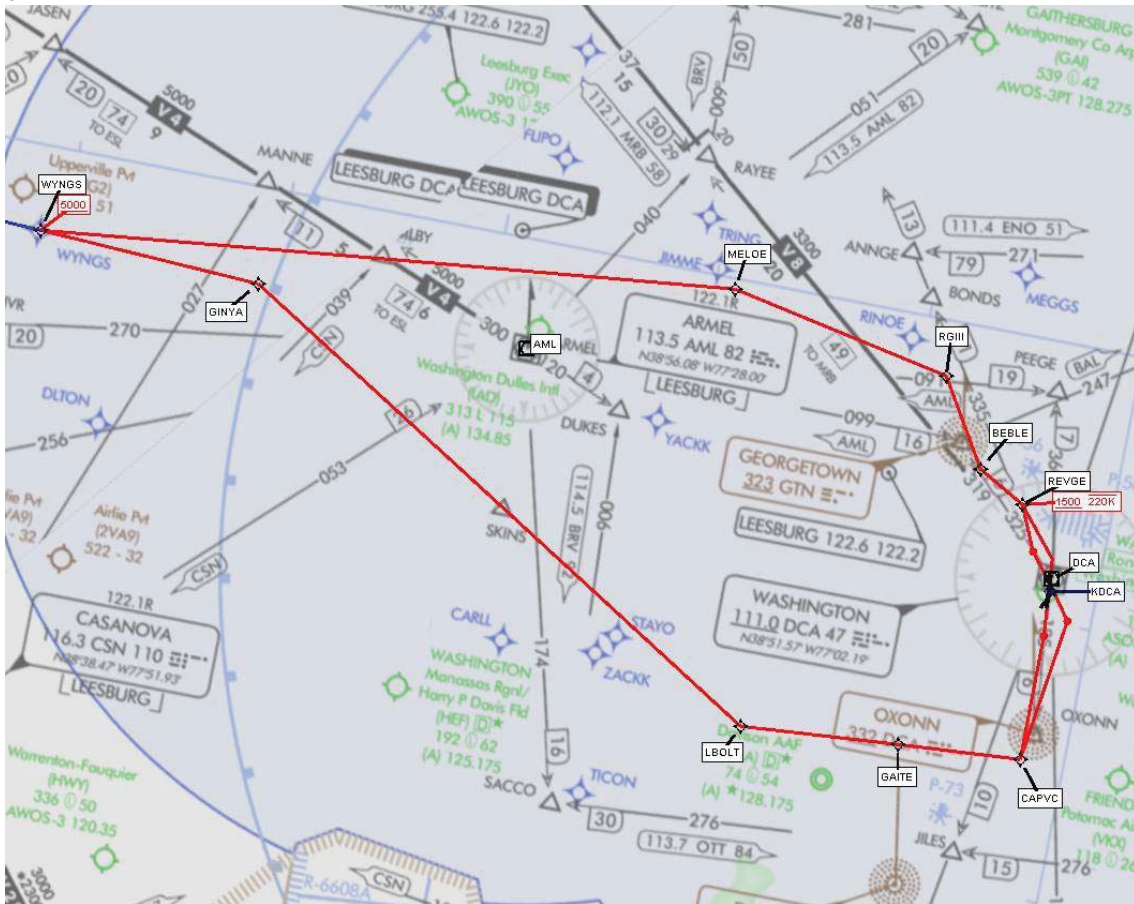
DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Graphic Depiction 2



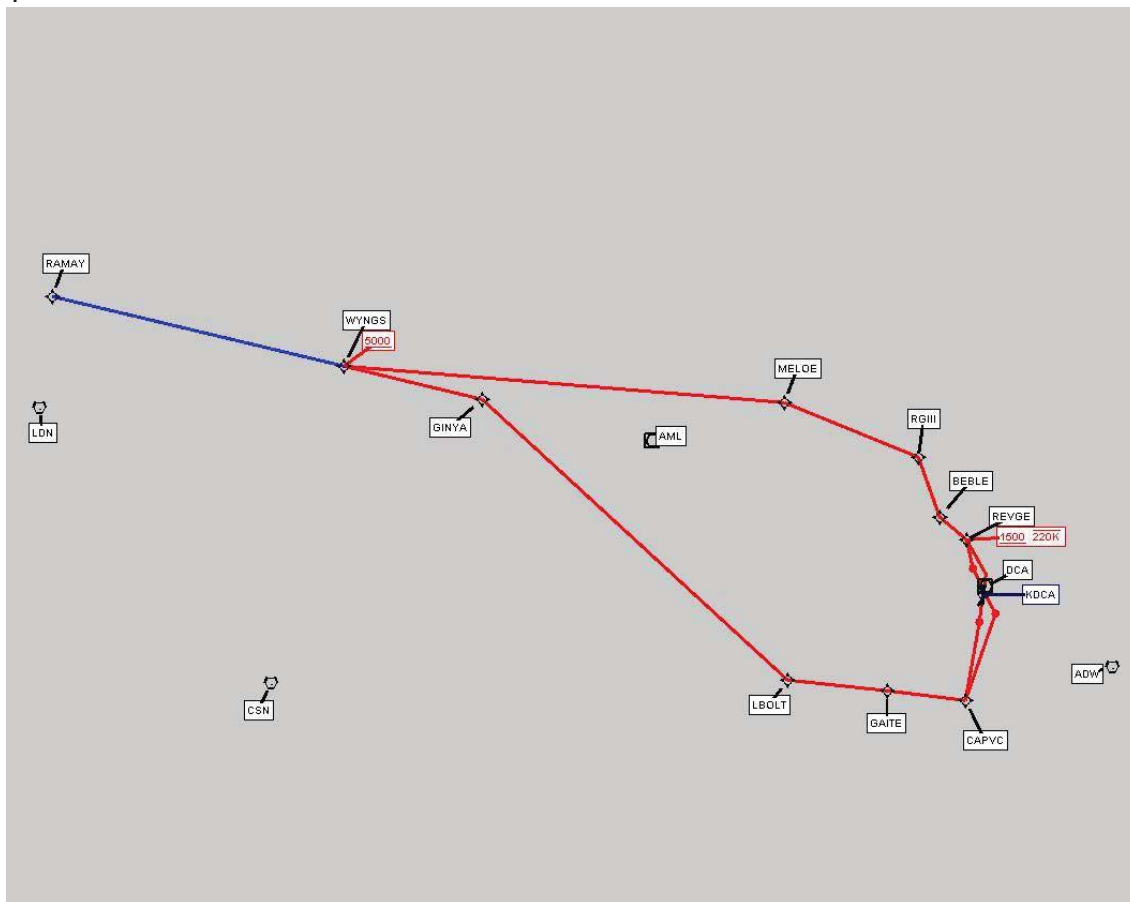
DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Graphic Depiction 3



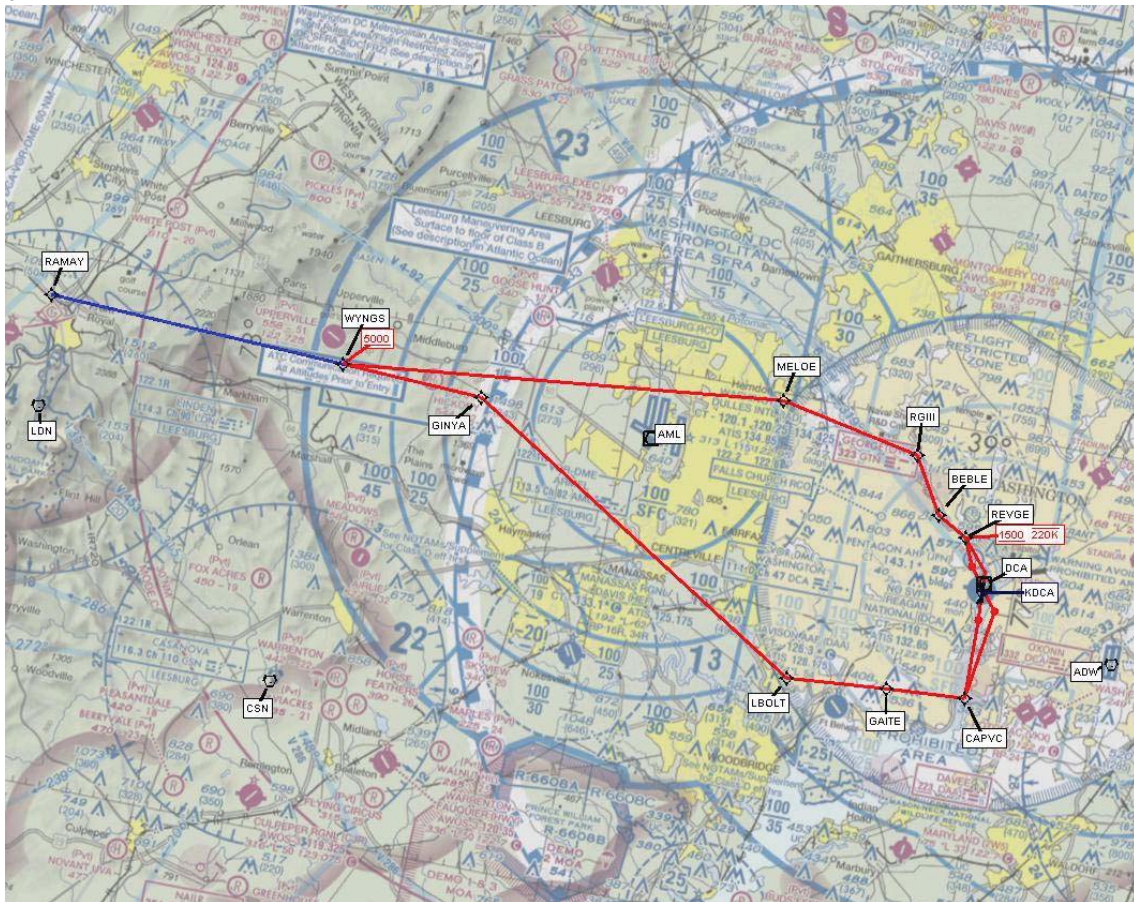
DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Graphic Depiction 4



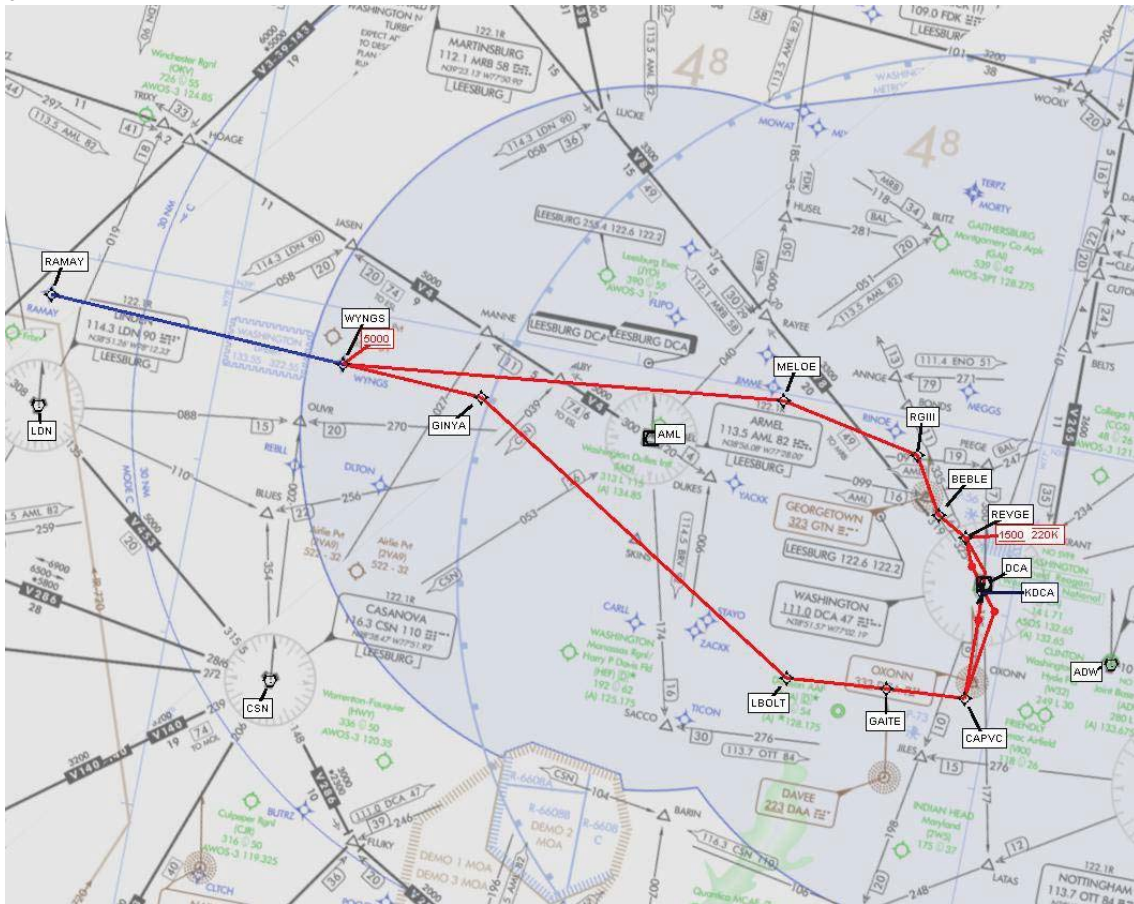
DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Graphic Depiction 5



DME DME Assessment Results for WYNGS5 path KDCA:RW15:DER_WYNGS

Graphic Depiction 6



DME DME Assessment Results for WYNGS5 path KDCA:RW19:DER_CAPVC

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Andrea J Chaney
Project File:	C:\Users\Andrea J Chaney\Desktop\TERPs\Andrea TERPs Work\DC\DC_DCA_SID_7-16-20\DCA_RSID_WYNGS_5\DC_KDCA_SID_WYNGS FIVE RNAV_DATA\DCA_WYNGS5 RNAV SID\WYNGS-DME.tgs
Output File:	C:\Users\ANDREA~1\AppData\Local\Temp\dmePreview3901929027344239832.pdf
Procedure Name:	WYNGS5
Software: DmeDmePlugin:	6.0.0
Date/Time:	03/16/2020 16:48 EDT
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW19:DER	WP	N38° 50' 29.65", W077° 02' 12.29"	11.4	VNAV	130	FLY_OVER	TF
CAPVC	WP	N38° 44' 58.80", W077° 02' 04.96"	1415.9	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 515.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	500.0 ft/NM up to 515.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 WYNGS5 path KDCA:RW19:DER_CAPVC

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
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	48 %	52.5 %	
2	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	44.9 %	49.6 %	
3	BRV	N38° 20' 10.53", W077° 21' 10.32"	9.0 W	40	L	IFPA	NO	Enabled	48 %	52.5 %	
4	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	2.3 %	2.2 %	
5	DCA	N38° 51' 34.03", W077° 02' 11.17"	9.0 W	40	L	IFPA	NO	Enabled	21.7 %	25.5 %	

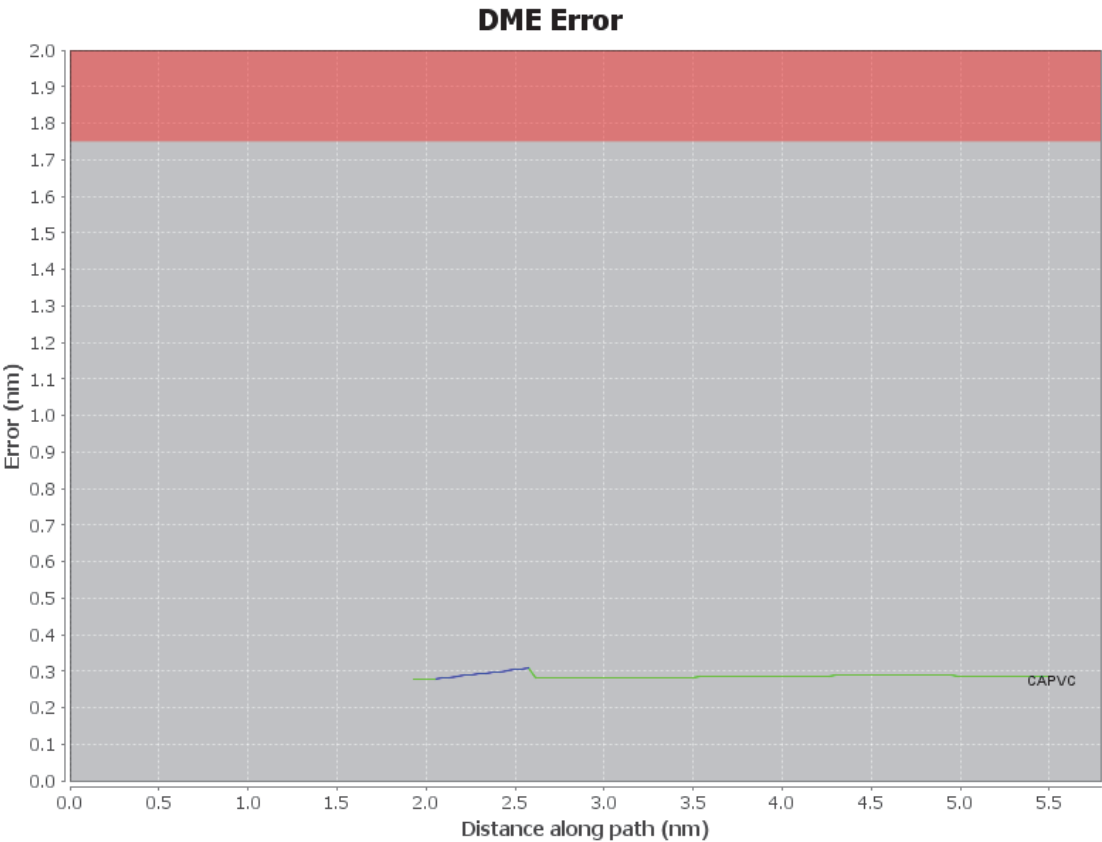
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.9	ADW	DCA				
2.1						
2.6	OTT	BRV				
2.8	OTT	BRV	BAL			
4.2	OTT	BRV	DCA	BAL		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 50' 27.49", W077° 02' 12.08"	N38° 48' 33.78", W077° 02' 05.97"	1.8973
2	N38° 48' 24.12", W077° 02' 05.92"	N38° 47' 52.72", W077° 02' 05.77"	0.5229

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KDCA:RW19:DER	CAPVC	DCA, ADW, BRV, BAL, OTT

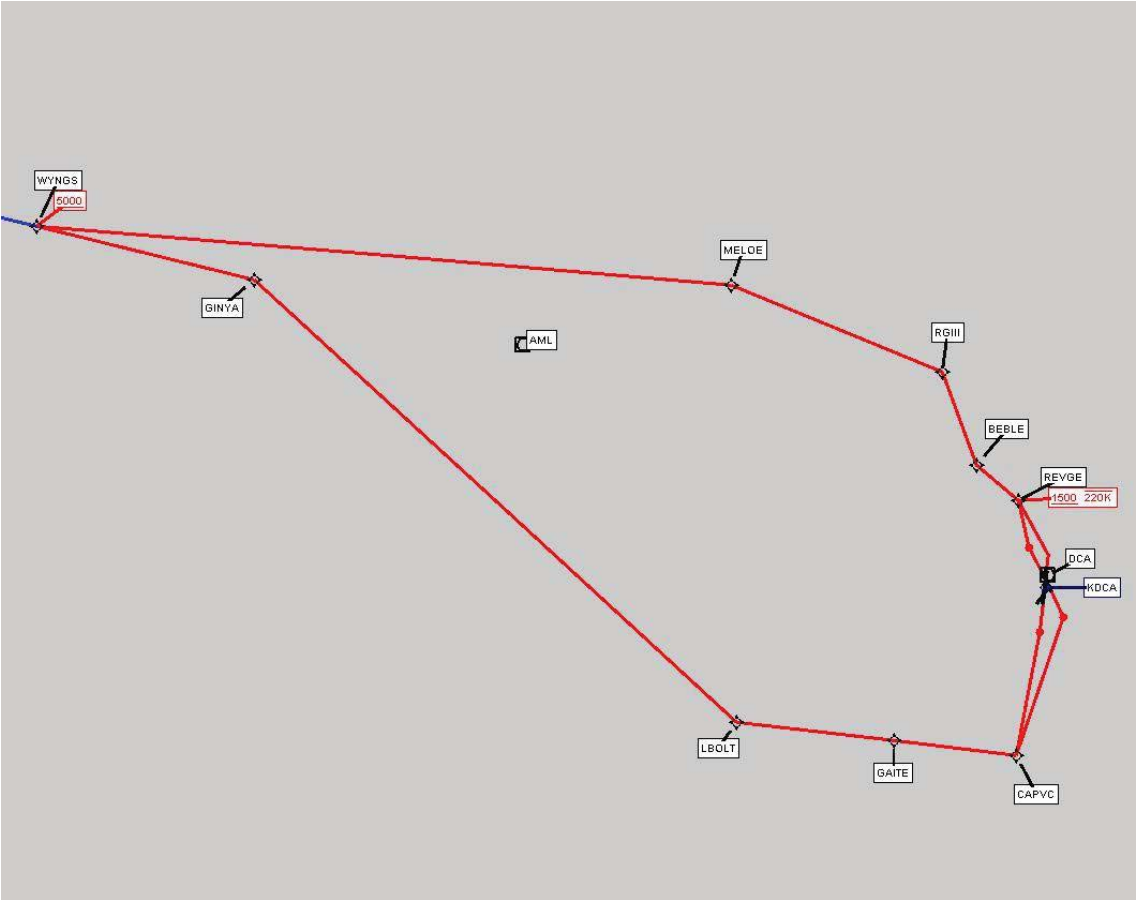
DME DME Assessment Results for WYNGS5 path KDCA:RW19:DER_CAPVC

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAK FAA 698146-14 FAK [IFPA]	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-14	
ESV:		Bearing [True]: 309.0° to 3.0° Bearing [Mag]: 315.0° to 9.0°				Arc Distance: Out to 86.0 NM Altitude: 5000.0 to 16000.0 ft		



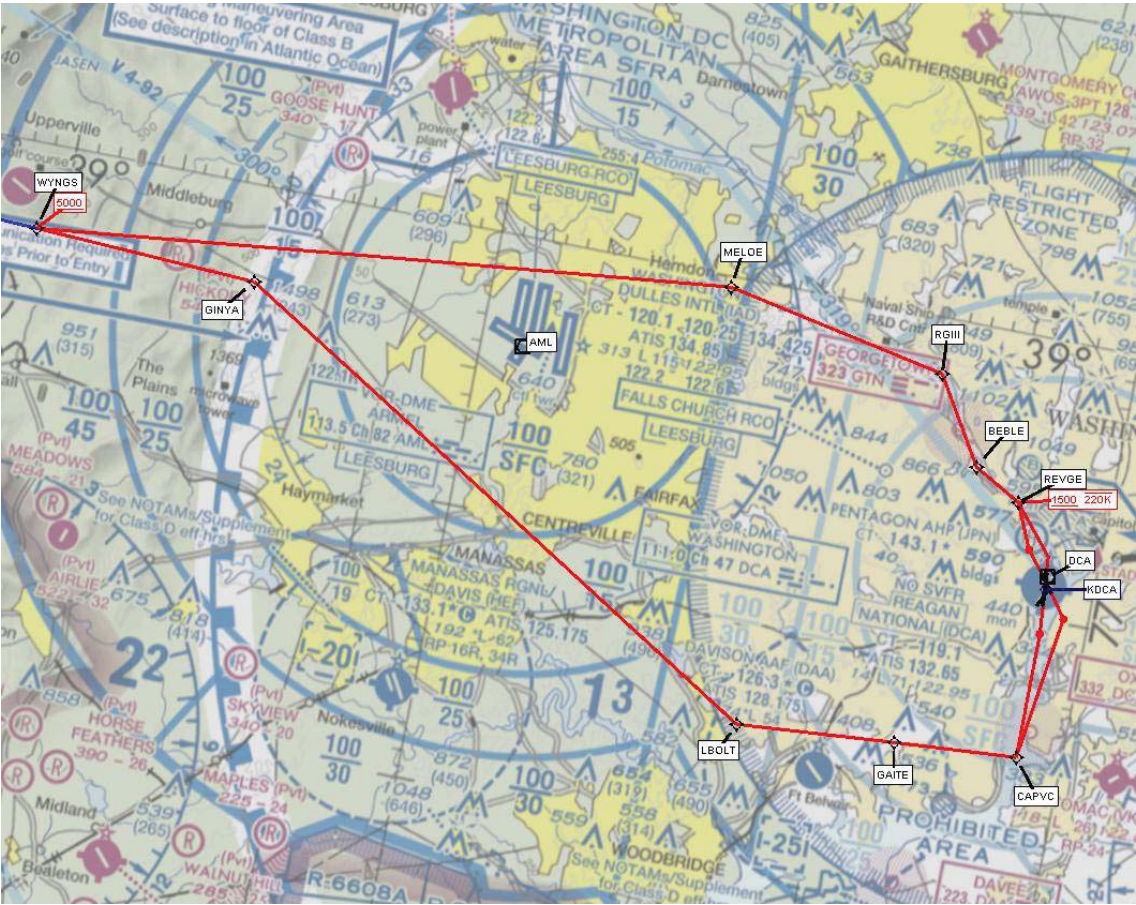
DME DME Assessment Results for WYNGS5 path KDCA:RW19:DER_CAPVC

Graphic Depiction 1



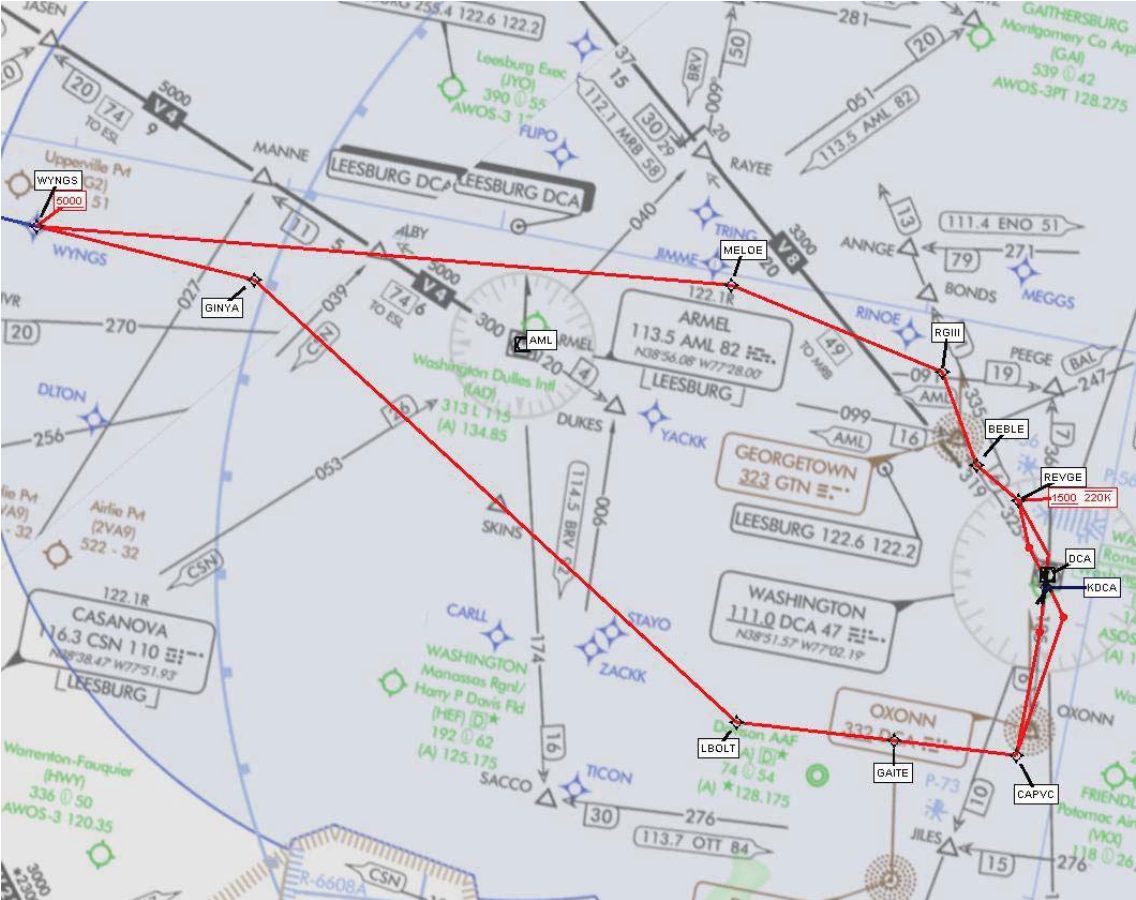
DME DME Assessment Results for WYNGS5 path KDCA:RW19:DER_CAPVC

Graphic Depiction 2



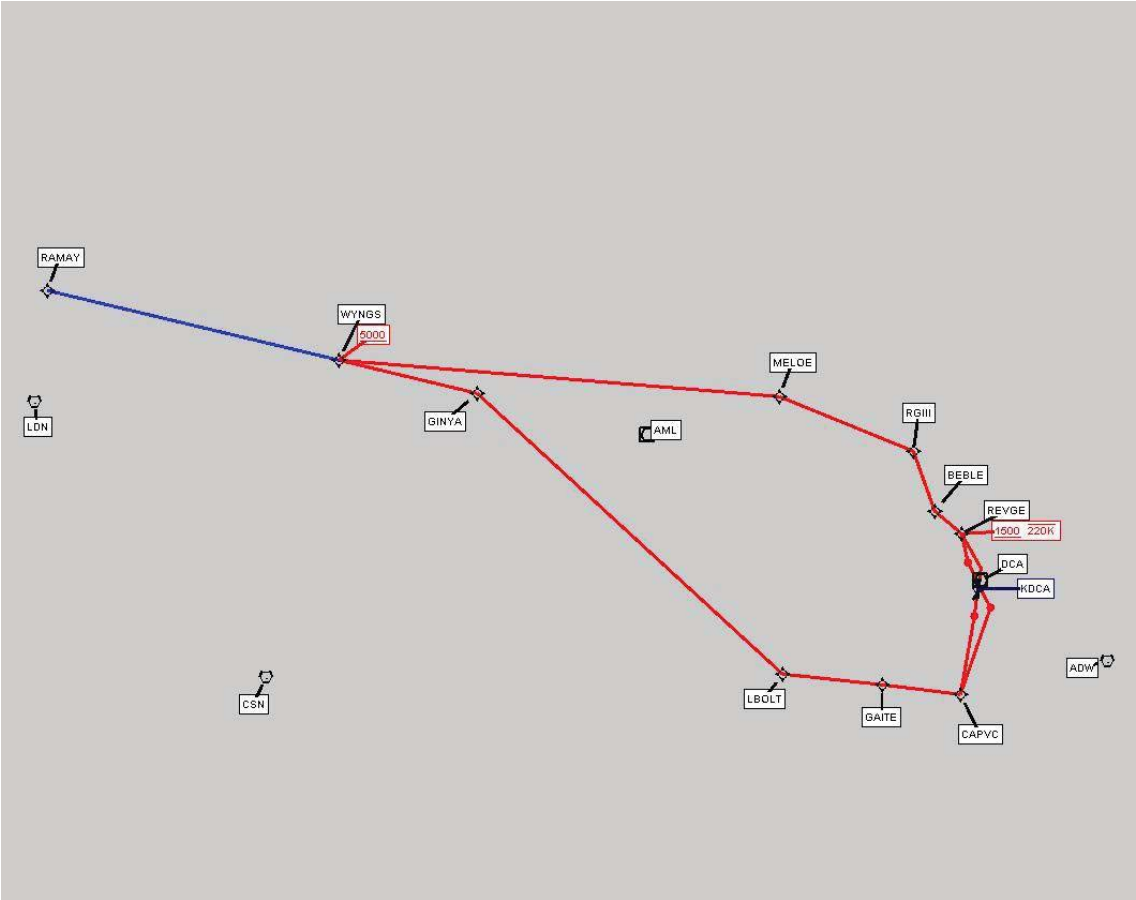
DME DME Assessment Results for WYNGS5 path KDCA:RW19:DER_CAPVC

Graphic Depiction 3



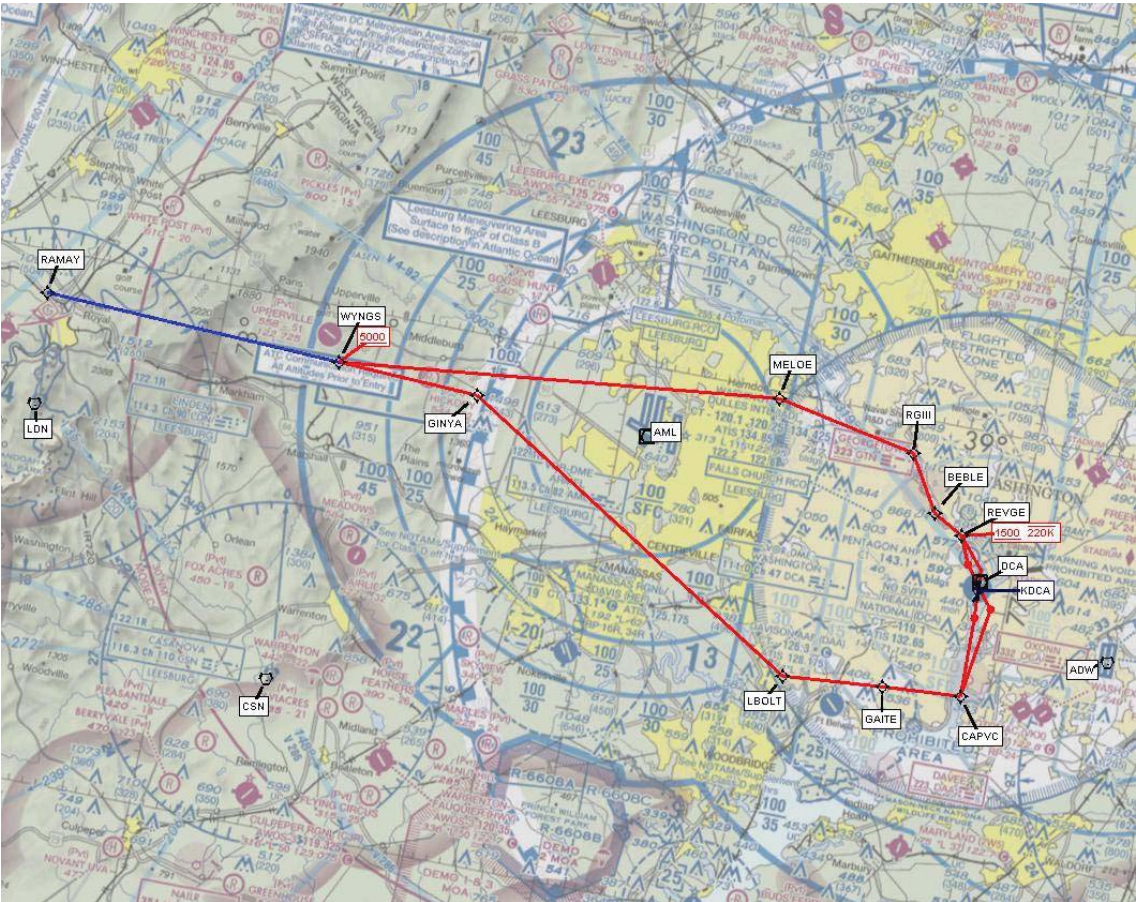
DME DME Assessment Results for WYNGS5 path KDCA:RW19:DER_CAPVC

Graphic Depiction 4

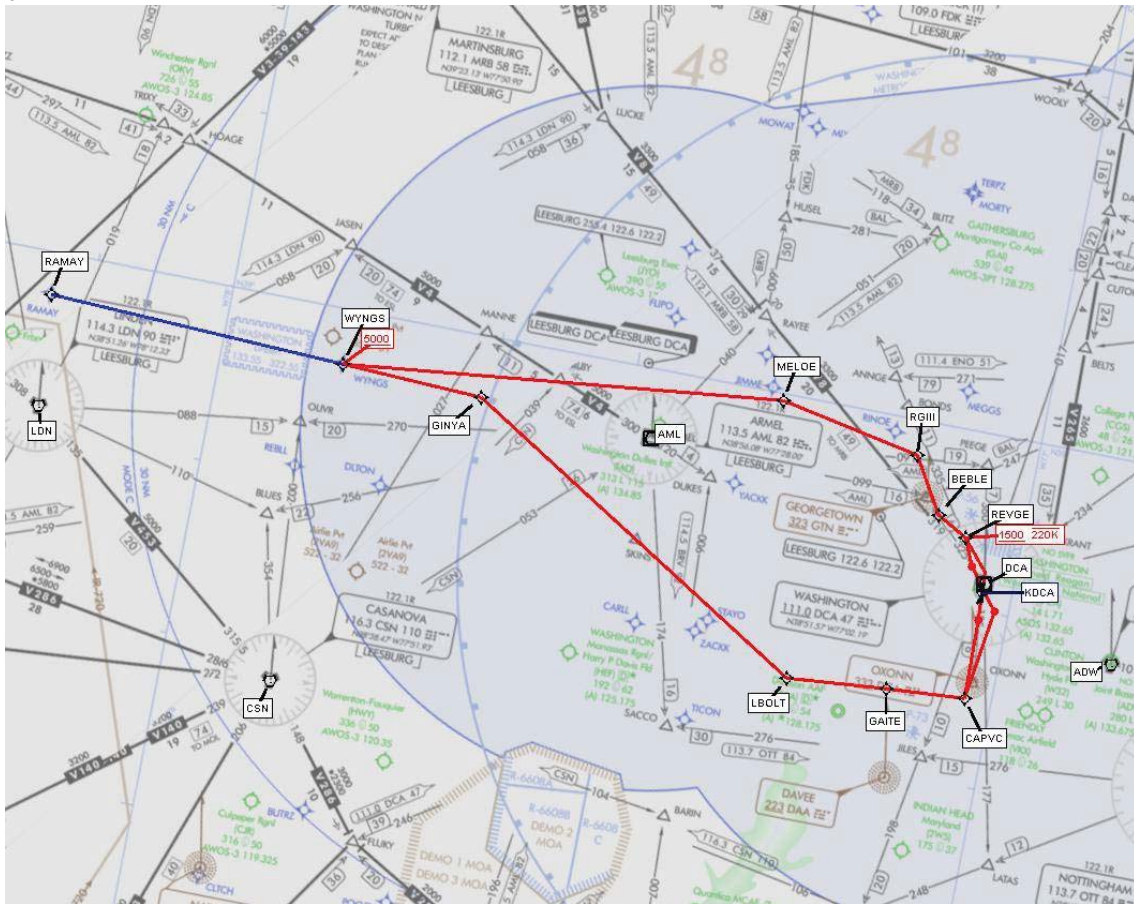


DME DME Assessment Results for WYNGS5 path KDCA:RW19:DER_CAPVC

Graphic Depiction 5



Graphic Depiction 6



DME DME Assessment Results for WYNGS5 path KDCA:RW33:DER_REVGE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Andrea J Chaney
Project File:	C:\Users\Andrea J Chaney\Desktop\TERPs\Andrea TERPs Work\DC\DC_DCA_SID_7-16-20\DCA_RSID_WYNGS_5\DC_KDCA_SID_WYNGS FIVE RNAV_DATA\DCA_WYNGS5 RNAV SID\WYNGS-DME.tgs
Output File:	C:\Users\ANDREA~1\AppData\Local\Temp\dmePreview8873811424159773261.pdf
Procedure Name:	WYNGS5
Software: DmeDmePlugin:	6.0.0
Date/Time:	03/16/2020 16:51 EDT
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW33:DER	WP	N38° 51' 40.18", W077° 02' 35.87"	14	VNAV	130	FLY_OVER	TF
REVGE	WP	N38° 53' 59.46", W077° 04' 14.24"	1500	VNAV	220	FLY_BY	TF
Climb Gradient: 540.0 ft/NM up to 640.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	540.0 ft/NM up to 640.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 WYNGS5 path KDCA:RW33:DER_REVGE

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
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

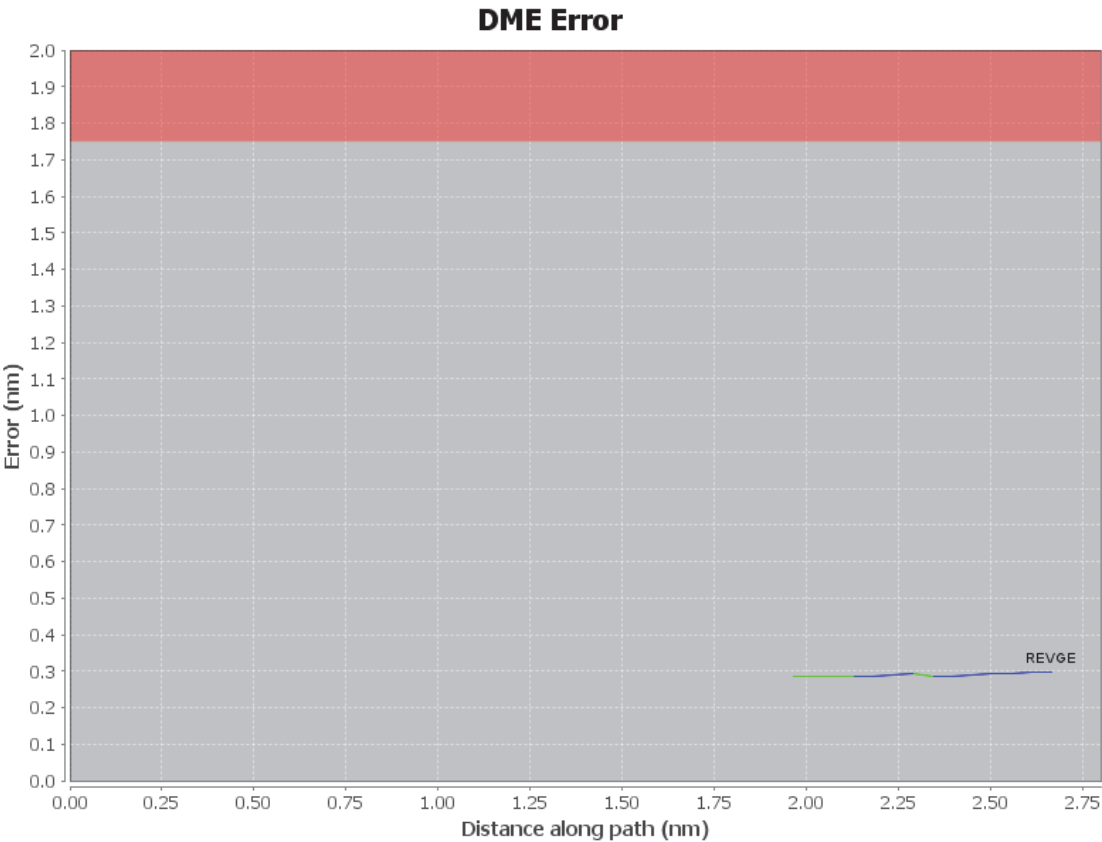
DME/DME (Continued)											
DMEs Used											
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance	
1	BAL	N39° 10' 15.83", W076° 39' 40.52"	11.0 W	40	L	IFPA	NO	Enabled	5 %	6.1 %	
2	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L	IFPA	NO	Enabled	5 %	6.1 %	

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	BAL	ADW				
2.2						
2.3	BAL	ADW				
2.4						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 51' 41.88", W077° 02' 37.53"	N38° 53' 21.24", W077° 03' 52.06"	1.9297
2	N38° 53' 33.00", W077° 03' 58.88"	N38° 53' 41.82", W077° 04' 04.00"	0.1613

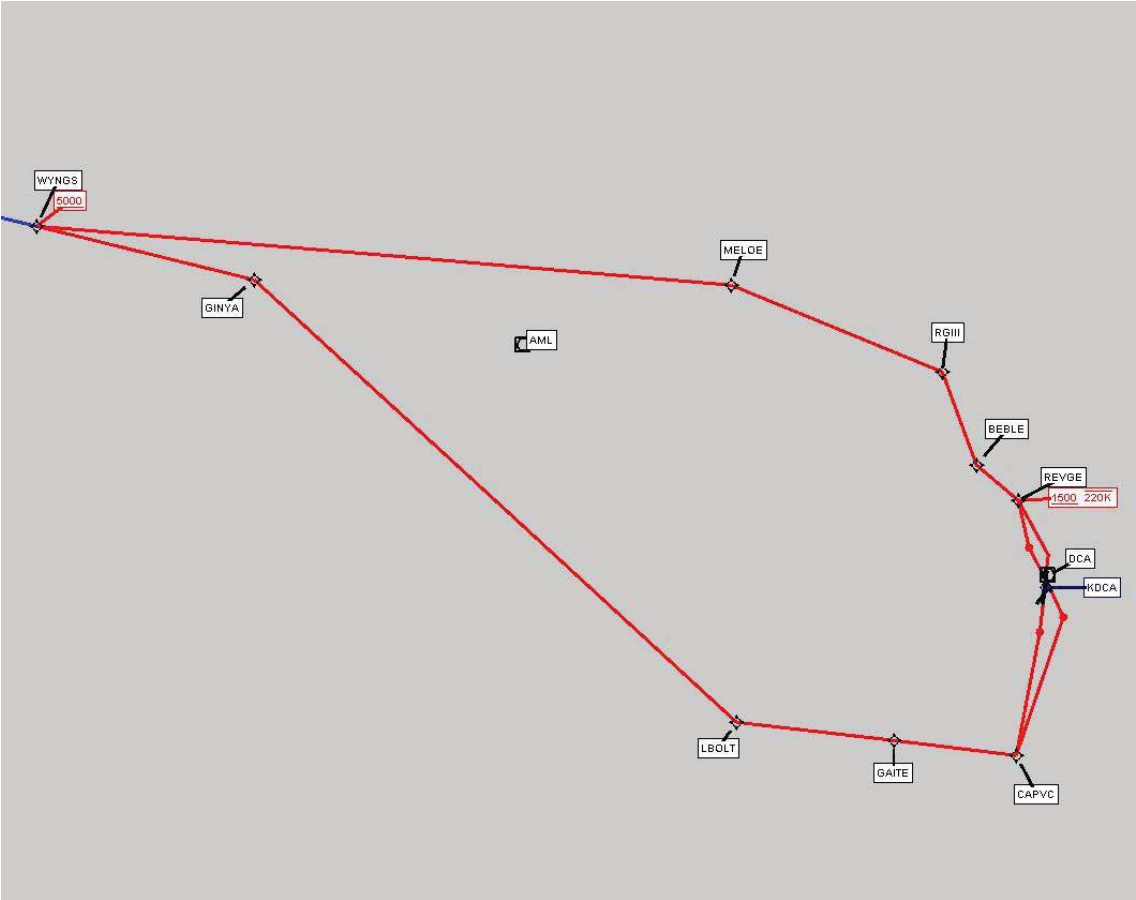
Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KDCA:RW33:DER	REVGE	ADW, BAL

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAK FAA 698146-14 FAK [IFPA]	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-14	
ESV:		Bearing [True]: 309.0° to 3.0° Bearing [Mag]: 315.0° to 9.0°				Arc Distance: Out to 86.0 NM Altitude: 5000.0 to 16000.0 ft		



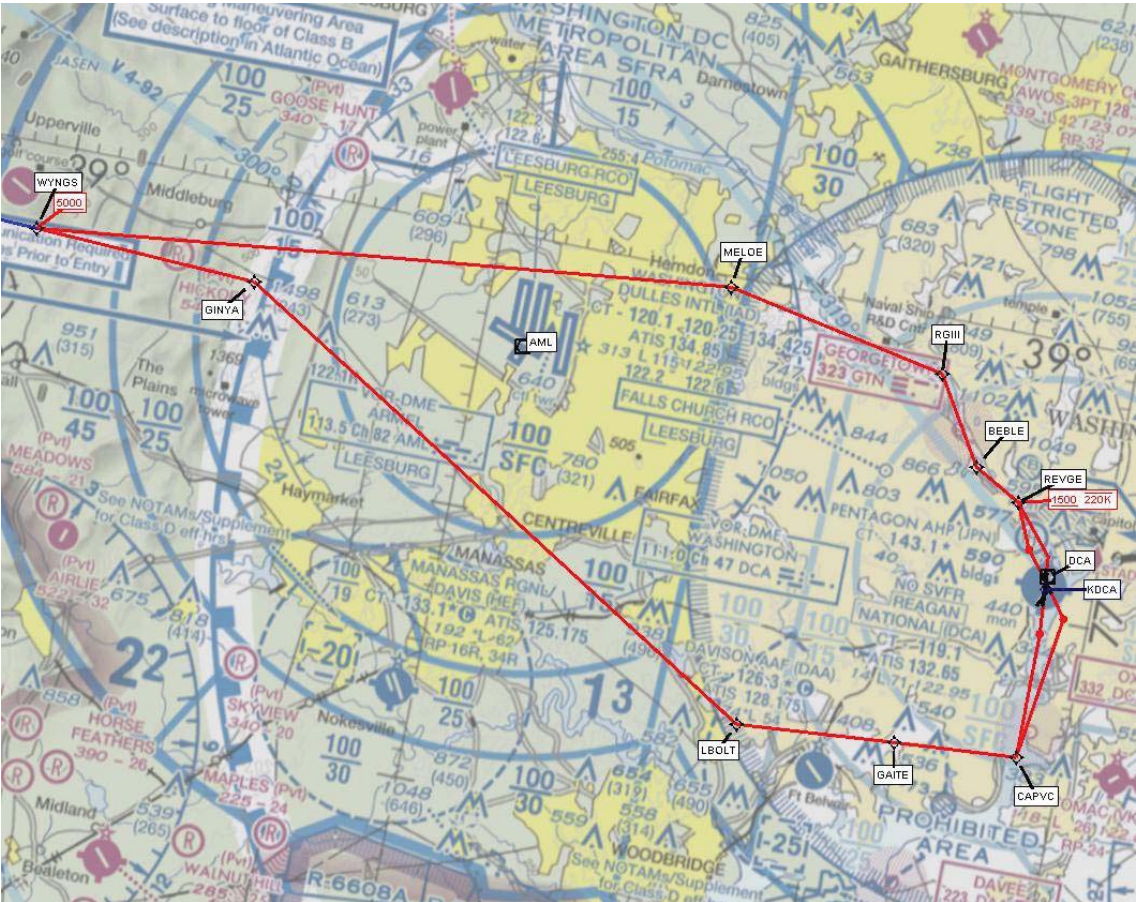
DME DME Assessment Results for WYNGS5 path KDCA:RW33:DER_REVGE

Graphic Depiction 1



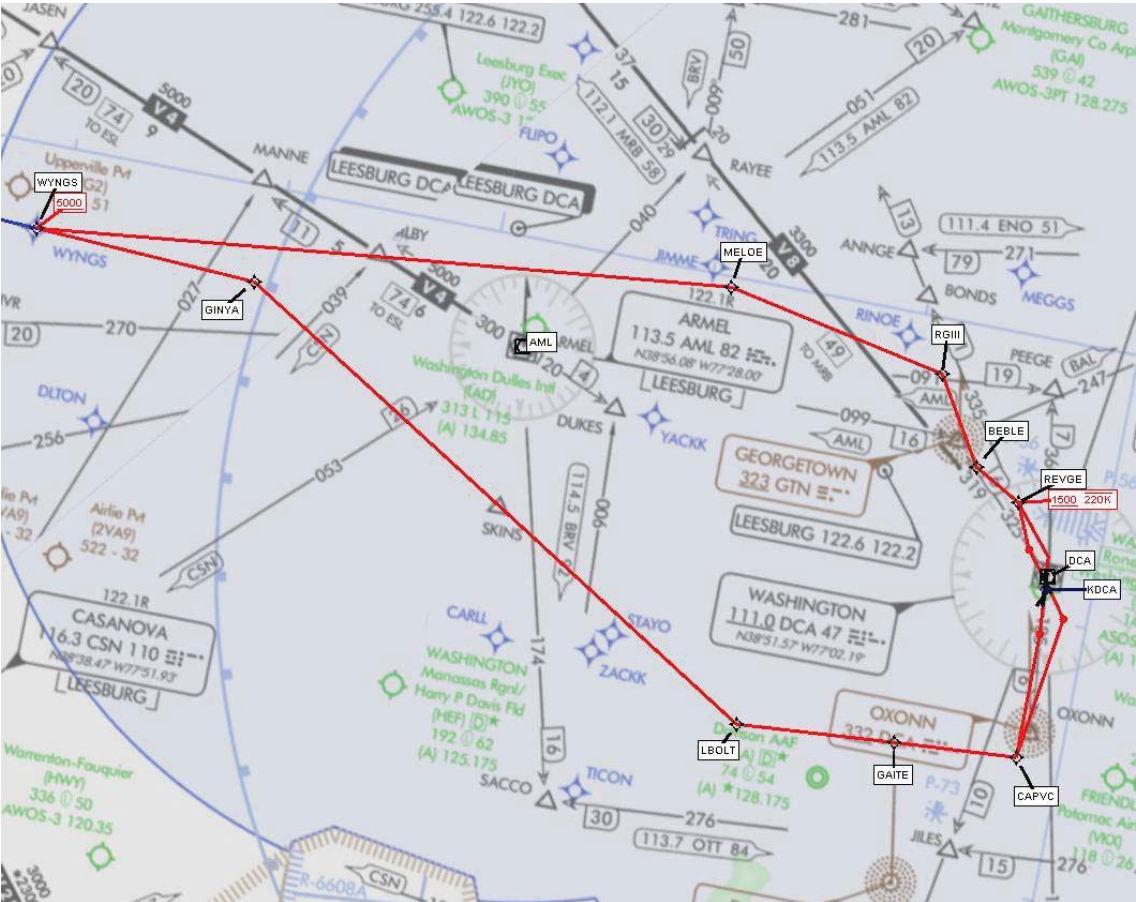
DME DME Assessment Results for WYNGS5 path KDCA:RW33:DER_REVGE

Graphic Depiction 2



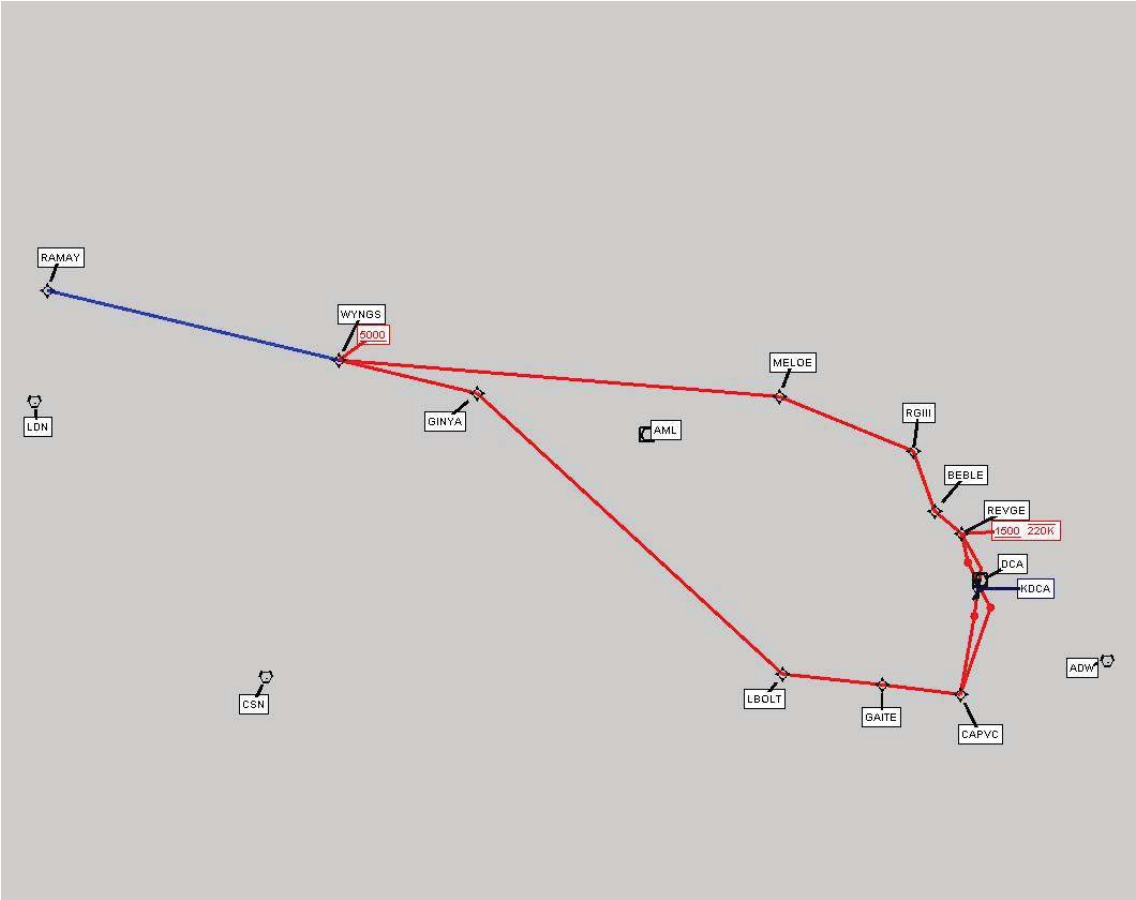
DME DME Assessment Results for WYNGS5 path KDCA:RW33:DER_REVGE

Graphic Depiction 3



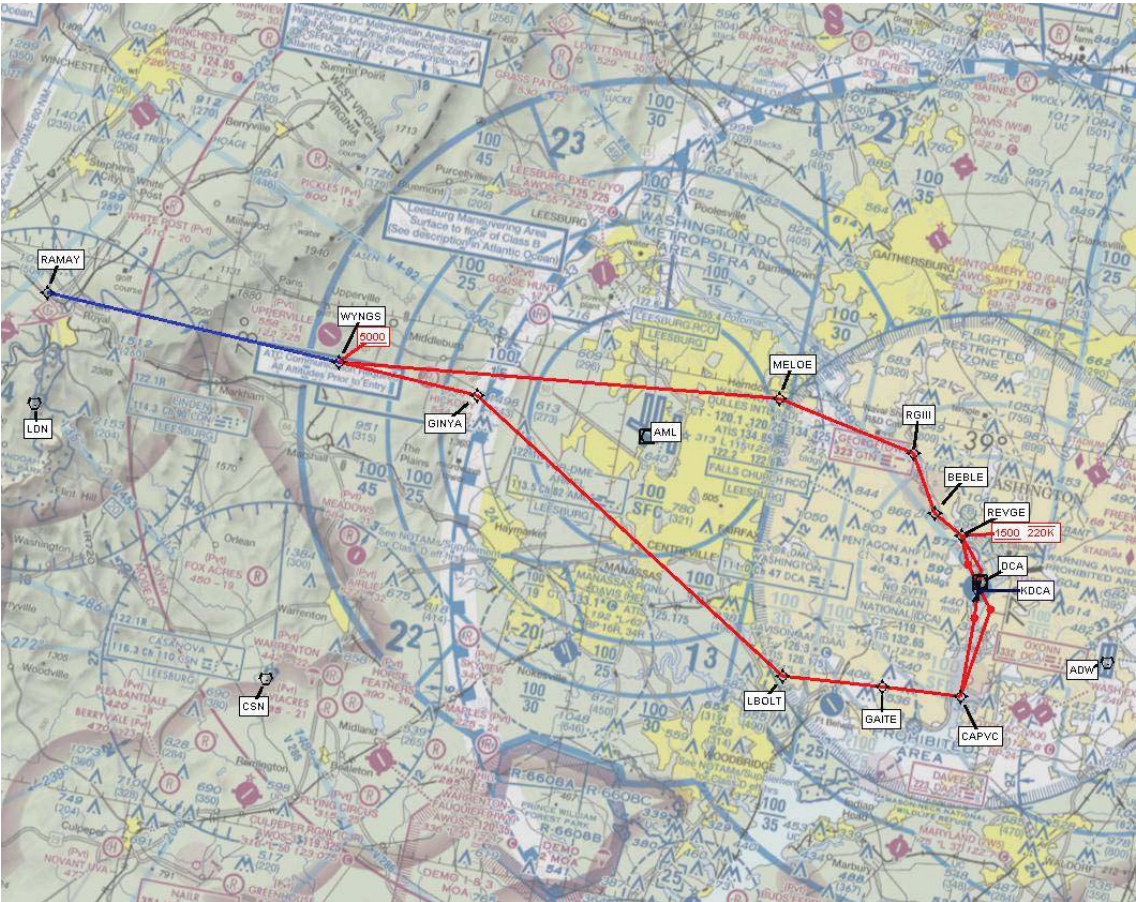
DME DME Assessment Results for WYNGS5 path KDCA:RW33:DER_REVGE

Graphic Depiction 4



DME DME Assessment Results for WYNGS5 path KDCA:RW33:DER_REVGE

Graphic Depiction 5



Graphic Depiction 6

