

DME DME Assessment Results for Q481 path JAMIE_DPK

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\DME-DME WORK\JEFF Q ROUTES\Q481\UPDATE\Q481 AMEND 20240513.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\JEFF Q ROUTES\Q481\UPDATE\Q481 20240513_1617 EDT\JAMIE_DPK\Q481 RNAV ROUTE JAMIE DPK 20240513_1617 EDT.pdf
Procedure Name:	Q481
Software: DmeDmePlugin:	7.2.1
Date/Time:	05/13/2024 16:17 EDT
Databases:	MITRE 3DEP 3 arcsec

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
JAMIE	WP	N37° 36' 20.5800", W075° 57' 48.8100"	18000	VNAV	240	FLY_BY	TF
CONFR	WP	N38° 16' 10.9000", W075° 24' 32.9800"	18000	VNAV	240	FLY_BY	TF
MGERK	WP	N38° 46' 16.0000", W075° 18' 09.0000"	18000	VNAV	240	FLY_BY	TF
SOSBY	WP	N39° 15' 24.7400", W074° 55' 30.5700"	18000	VNAV	240	FLY_BY	TF
YELO	WP	N39° 36' 03.0100", W074° 31' 05.8600"	18000	VNAV	240	FLY_BY	TF
ECOIL	WP	N39° 49' 58.4500", W074° 14' 06.0700"	18000	VNAV	240	FLY_BY	TF
ZIGGI	WP	N40° 03' 07.0100", W074° 00' 49.3400"	18000	VNAV	240	FLY_BY	TF
DPK	WP	N40° 47' 30.2990", W073° 18' 13.1680"	18000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	RNAV_ROUTE
Selected Airport:	
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 Q481 path JAMIE_DPK

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:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Not included
Terminal DMEs:	Not 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	PVD	N41° 43' 27.6334", W071° 25' 46.7078"	14.0 W	130	DH	IFPA	NO	Enabled	12.5 %	12.5 %
2	PUT	N41° 57' 19.6572", W071° 50' 38.7414"	14.0 W	130	H	IFPA	NO	Enabled	1.6 %	1.6 %
3	HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	H	IFPA	NO	Enabled	31.6 %	31.6 %
4	BYT	N41° 55' 50.0220", W072° 41' 59.5420"	0.0 E	130	H	IFPA	NO	Enabled	11.4 %	11.4 %
5	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H	IFPA	NO	Enabled	18.8 %	18.8 %
6	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H	IFPA	NO	Enabled	5.6 %	5.6 %
7	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled	44.7 %	44.7 %
8	RBV	N40° 12' 08.6475", W074° 29' 42.0940"	10.0 W	130	H	IFPA	NO	Enabled	68.5 %	68.5 %
9	CYN	N39° 49' 02.4165", W074° 25' 53.8526"	10.0 W	130	H	IFPA	NO	Enabled	75.2 %	75.2 %
10	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H	IFPA	NO	Enabled	24.3 %	24.3 %
11	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H	IFPA	NO	Enabled	35.1 %	35.2 %
12	CCC	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	H	IFPA	NO	Enabled	34 %	34 %
13	JFK	N40° 37' 58.3816", W073° 46' 17.0103"	12.0 W	130	H	IFPA	NO	Enabled	52.1 %	52.1 %
14	HTO	N40° 55' 08.3846", W072° 19' 00.1357"	13.0 W	130	H	IFPA	NO	Enabled	26.3 %	26.3 %
15	SIE	N39° 05' 43.8324", W074° 48' 01.2382"	9.0 W	130	H	IFPA	NO	Enabled	87.7 %	87.7 %
16	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H	IFPA	NO	Enabled	50.2 %	50.2 %

DME DME Assessment Results for Q481 path JAMIE_DPK

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	RIC	ORF	FAK	CSN		
5.1	RIC	ORF	FAK	SIE		
13.1	RIC	ORF	CSN	SIE		
34.7	CSN	SIE	ORF	EMI	RIC	
43.4	EMI	SIE	CSN	ORF		
52.6	EMI	SIE	CYN	ORF	CSN	
56.2	EMI	SIE	CYN	CSN		
72.7	EMI	SIE	CYN	RBV	CSN	
89.2	CYN	EMI	RBV	SIE		
110.6	CYN	SIE	RBV	EMI	JFK	
150.2	EMI	RBV	SAX	JFK	SIE	
150.7	RBV	SIE	JFK	SAX		
152.5	RBV	CCC	SIE	JFK	SAX	
207.9	CCC	JFK	SAX	CYN	HUO	HTO

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
JAMIE	CONFR	EMI, FAK, ORF, RIC, SIE, CSN	
CONFR	MGERK	EMI, ORF, RBV, CYN, SIE, CSN	
MGERK	SOSBY	EMI, RBV, CYN, SIE, JFK, CSN	
SOSBY	YELO	EMI, RBV, CYN, SAX, SIE, JFK	
YELO	ECOIL	EMI, CCC, HUO, RBV, CYN, SAX, JFK, SIE	
ECOIL	ZIGGI	CCC, HTO, HUO, RBV, CYN, SAX, JFK, SIE	
ZIGGI	DPK	CCC, HTO, HUO, RBV, CYN, SAX, BYT, JFK, SIE, PUT, PVD	

User Data Files

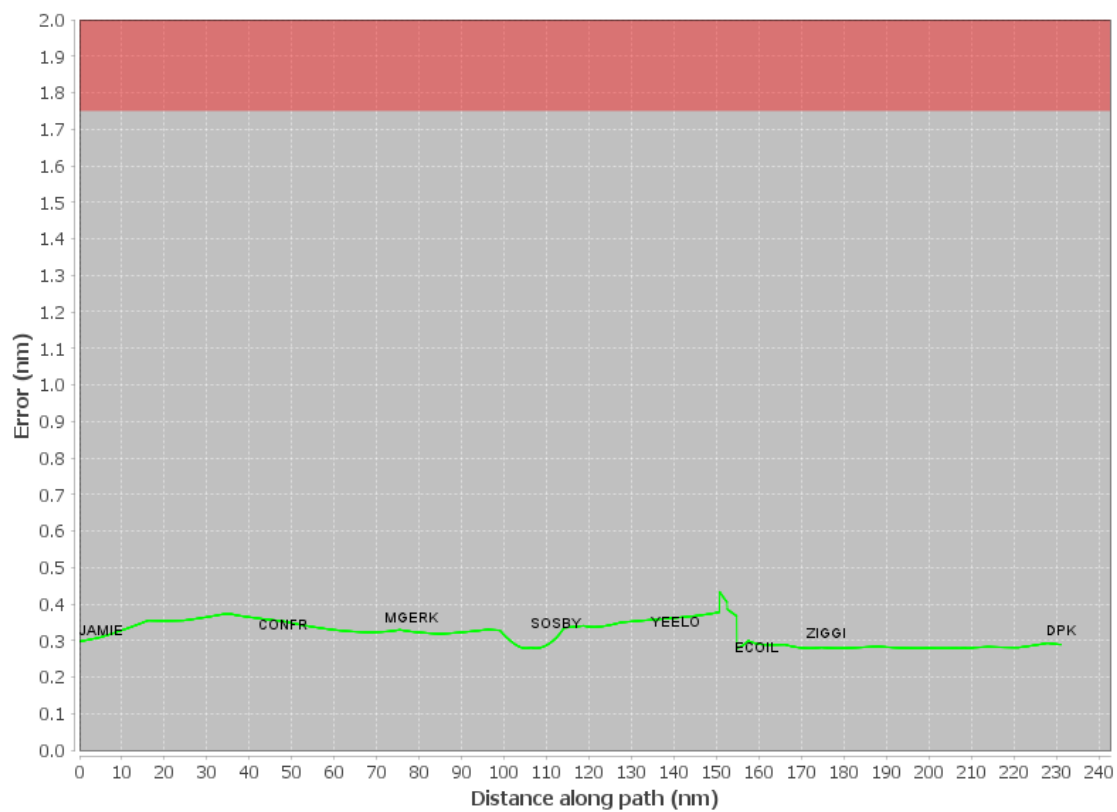
#	File Name
1	Q481 UDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV CSN CSN [IFPA]	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	441.8	116.3	UDT ESV CSN	
ESV:		Bearing [True]: 74.0° to 144.0° Bearing [Mag]: 80.0° to 150.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 45000.0 ft		
2	UDT ESV EMI EMI [IFPA]	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	820	117.9	UDT ESV EMI	
ESV:		Bearing [True]: 77.0° to 142.0° Bearing [Mag]: 85.0° to 150.0°				Arc Distance: Out to 150.0 NM Altitude: 18000.0 to 33000.0 ft		

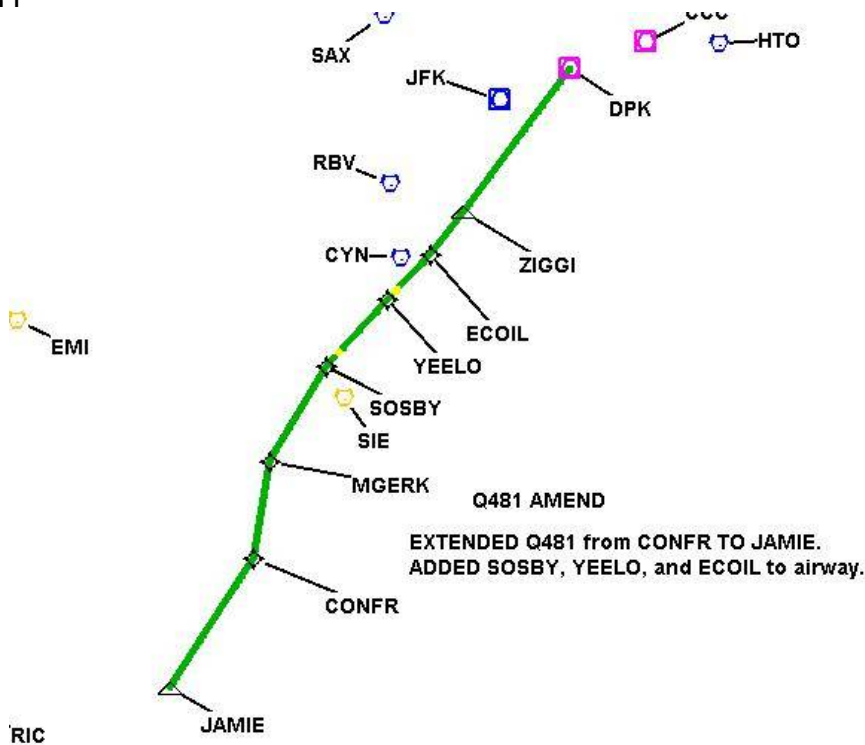
DME DME Assessment Results for Q481 path JAMIE_DPK

DME Error



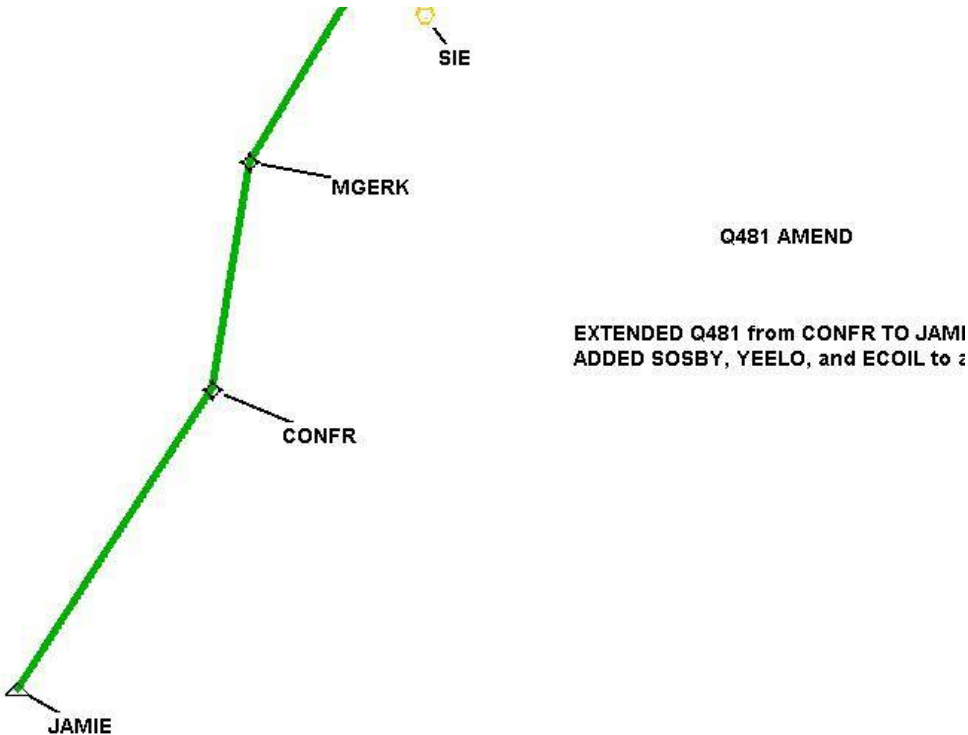
DME DME Assessment Results for Q481 path JAMIE_DPK

Graphic Depiction 1



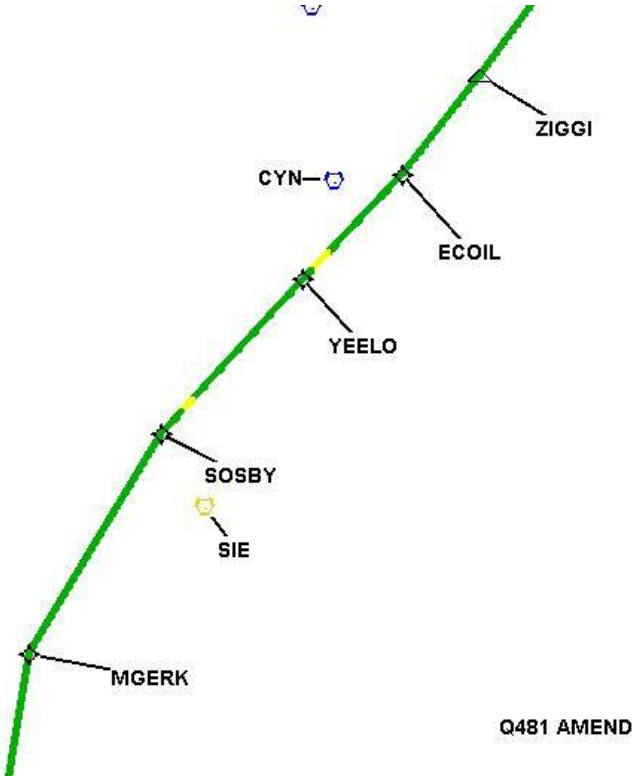
DME DME Assessment Results for Q481 path JAMIE_DPK

Graphic Depiction 2



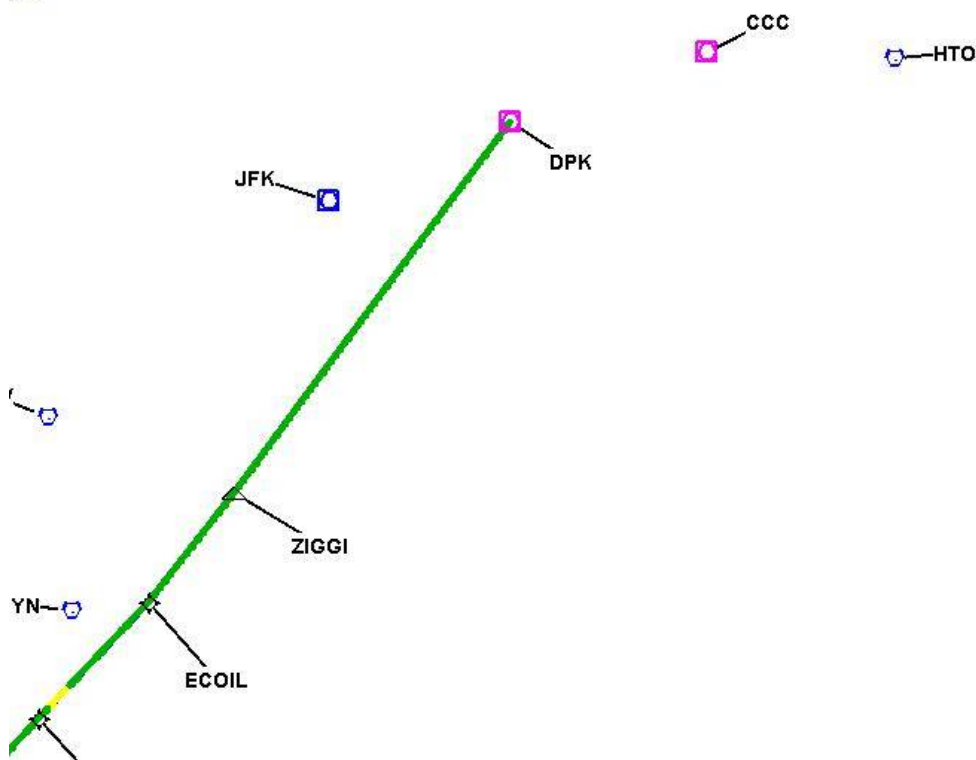
DME DME Assessment Results for Q481 path JAMIE_DPK

Graphic Depiction 3



DME DME Assessment Results for Q481 path JAMIE_DPK

Graphic Depiction 4



DME DME Assessment Results for Q481 path DPK_JAMIE

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Date/Time:	05/13/2024 16:17 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures

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Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

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Flight Plan

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DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
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DME/DME (Continued)										
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5	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H	IFPA	NO	Enabled	18.8 %	18.8 %
6	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled	44.7 %	44.7 %
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11	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H	IFPA	NO	Enabled	24.3 %	24.3 %
12	CCC	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	H	IFPA	NO	Enabled	34 %	34 %
13	JFK	N40° 37' 58.3816", W073° 46' 17.0103"	12.0 W	130	H	IFPA	NO	Enabled	52.1 %	52.1 %
14	HTO	N40° 55' 08.3846", W072° 19' 00.1357"	13.0 W	130	H	IFPA	NO	Enabled	26.3 %	26.3 %
15	SIE	N39° 05' 43.8324", W074° 48' 01.2382"	9.0 W	130	H	IFPA	NO	Enabled	87.7 %	87.7 %
16	EMI	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	H	IFPA	NO	Enabled	50.2 %	50.2 %

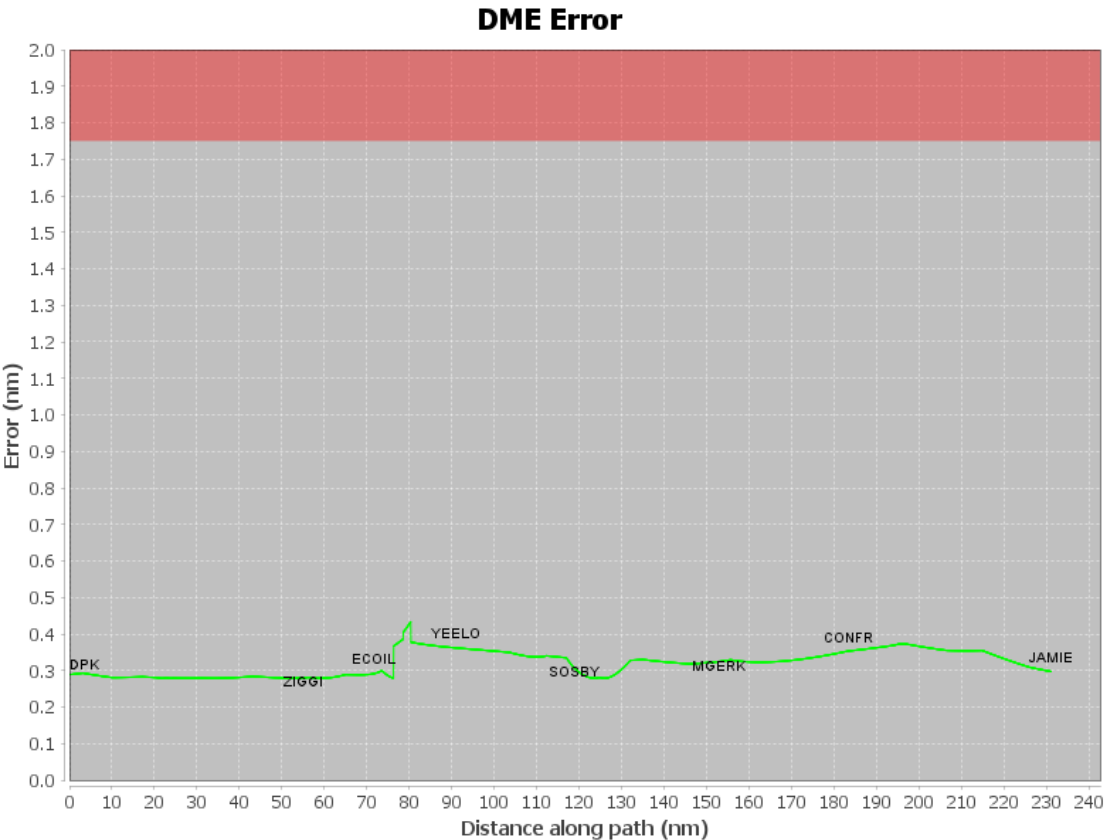
DME DME Assessment Results for Q481 path DPK_JAMIE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BYT	SAX	HUO	CYN	RBV	PUT
3.7	HUO	CYN	BYT	SAX	RBV	CCC
26.3	JFK	HTO	SAX	CYN	RBV	CCC
60.8	RBV	SIE	SAX	CYN	JFK	CCC
76.3	RBV	CCC	SIE	JFK	SAX	
78.6	RBV	SIE	JFK	SAX		
80.4	EMI	RBV	SAX	JFK	SIE	
103.3	EMI	RBV	SIE	CYN	JFK	
120.5	CYN	SIE	RBV	EMI		
141.8	CYN	EMI	RBV	SIE	CSN	
158.3	EMI	SIE	CYN	CSN		
174.9	EMI	SIE	CYN	ORF	CSN	
178.4	EMI	SIE	ORF	CSN		
187.6	EMI	SIE	CSN	ORF	RIC	
196.3	CSN	SIE	ORF	RIC		
218.0	RIC	ORF	FAK	SIE		
225.9	RIC	ORF	FAK	CSN		

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

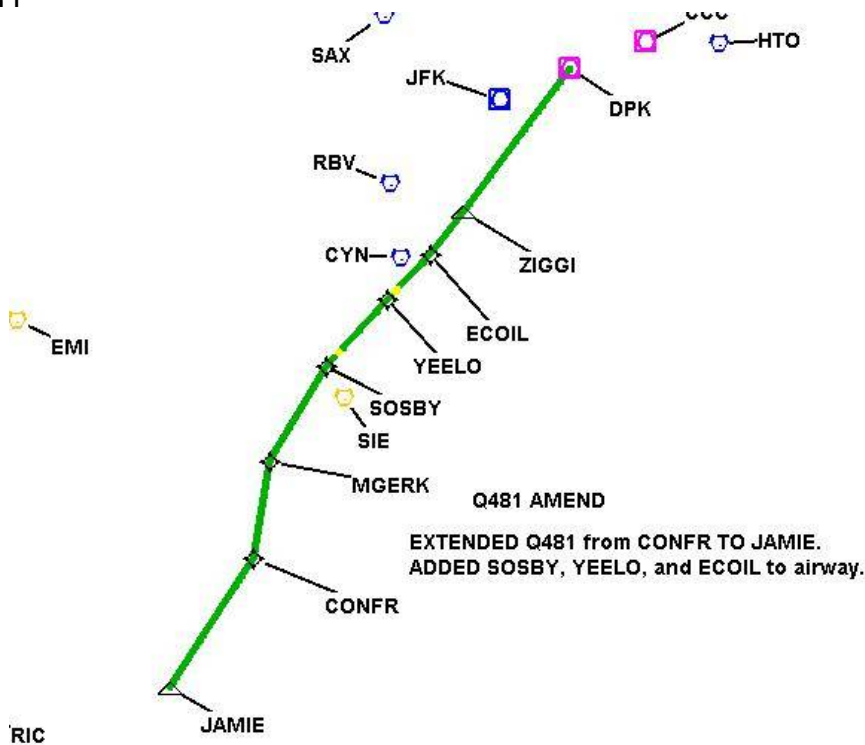
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DPK	ZIGGI	HTO, CCC, HUO, RBV, CYN, SAX, BYT, PUT, JFK, SIE, PVD	
ZIGGI	ECOIL	CCC, HTO, HUO, RBV, CYN, SAX, JFK, SIE	
ECOIL	YEEL0	EMI, CCC, HUO, RBV, CYN, SAX, JFK, SIE	
YEEL0	SOSBY	EMI, RBV, CYN, SAX, JFK, SIE	
SOSBY	MGERK	EMI, RBV, CYN, SIE, JFK, CSN	
MGERK	CONFR	EMI, ORF, RBV, CYN, SIE, CSN	
CONFR	JAMIE	EMI, FAK, ORF, RIC, SIE, CSN	

User Data Files								
#	File Name							
1	Q481 UDT.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV CSN CSN [IFPA]	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	441.8	116.3	UDT ESV CSN	
ESV:		Bearing [True]: 74.0° to 144.0° Bearing [Mag]: 80.0° to 150.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 45000.0 ft		
2	UDT ESV EMI EMI [IFPA]	N39° 29' 42.0266", W076° 58' 42.8591"	8.0 W	130	820	117.9	UDT ESV EMI	
ESV:		Bearing [True]: 77.0° to 142.0° Bearing [Mag]: 85.0° to 150.0°				Arc Distance: Out to 150.0 NM Altitude: 18000.0 to 33000.0 ft		



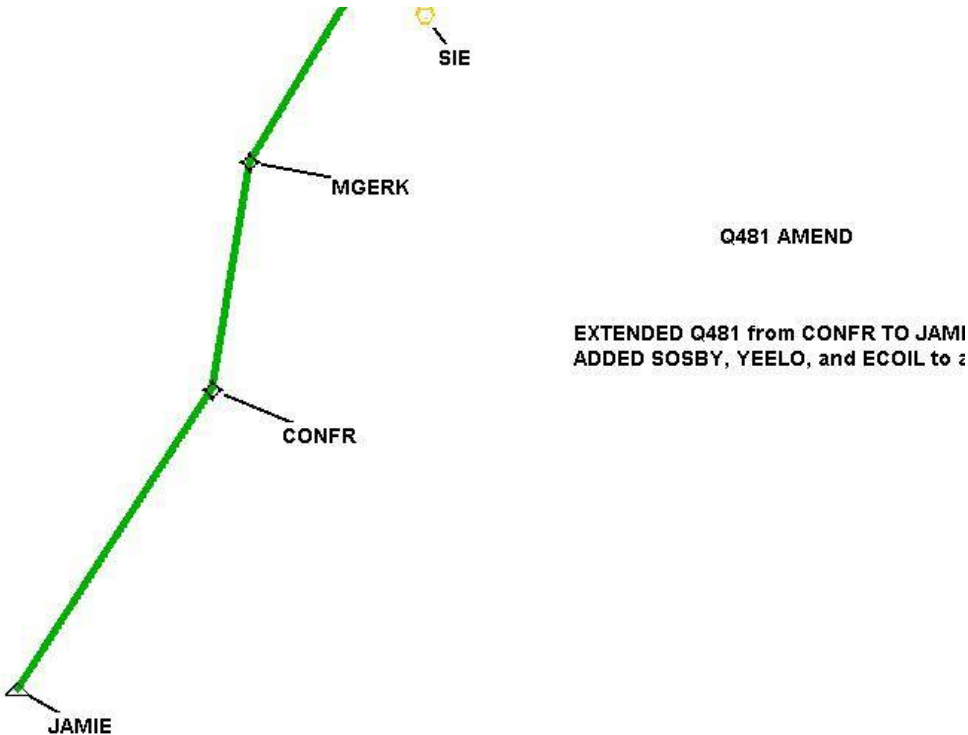
DME DME Assessment Results for Q481 path DPK_JAMIE

Graphic Depiction 1



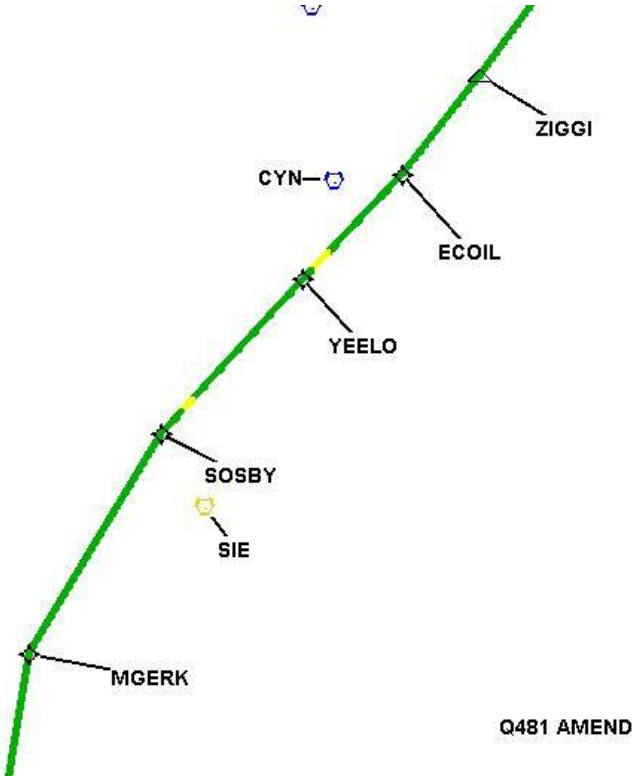
DME DME Assessment Results for Q481 path DPK_JAMIE

Graphic Depiction 2



DME DME Assessment Results for Q481 path DPK_JAMIE

Graphic Depiction 3



DME DME Assessment Results for Q481 path DPK_JAMIE

Graphic Depiction 4

