

DME DME Assessment Results for Q140 path YODAA_DAYYY

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\Q140\Q140 amend 231109ssr.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\Q140\Q140 20240122_0701 EST\YODAA_DAYYY\Q140 RNAV ROUTE YODAA DAYYY 20240122_0701 EST.pdf
Procedure Name:	Q140
Software: DmeDmePlugin:	7.2.1
Date/Time:	01/22/2024 07:01 EST
Databases:	DTED 0

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

Segment RUBKI to RAGIX is Canadian airspace and not to be charted.

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
YODAA	WP	N41° 43' 21.1900", W074° 01' 52.7600"	18000	VNAV	240	FLY_BY	TF
TOTHH	WP	N41° 52' 25.8500", W074° 35' 49.3900"	18000	VNAV	240	FLY_BY	TF
ARRKK	WP	N42° 03' 48.5200", W075° 19' 00.4100"	18000	VNAV	240	FLY_BY	TF
KODEY	WP	N42° 16' 47.5300", W075° 47' 04.0000"	18000	VNAV	240	FLY_BY	TF
MEMMS	WP	N42° 30' 59.7100", W076° 18' 15.4300"	18000	VNAV	240	FLY_BY	TF
EXTOL	WP	N42° 39' 27.6900", W076° 37' 06.1000"	18000	VNAV	240	FLY_BY	TF
BEEPS	WP	N42° 49' 13.2600", W076° 59' 04.8400"	18000	VNAV	240	FLY_BY	TF
HANKK	WP	N42° 53' 41.8200", W077° 09' 15.2100"	18000	VNAV	240	FLY_BY	TF
AHPAH	WP	N43° 18' 19.0000", W078° 07' 35.1100"	18000	VNAV	240	FLY_BY	TF
MEDAV	WP	N43° 29' 19.0000", W078° 45' 46.0000"	18000	VNAV	240	FLY_BY	TF
RAGIX	WP	N43° 32' 26.9500", W078° 56' 47.9400"	18000	VNAV	240	FLY_BY	TF
SIKBO	WP	N43° 39' 13.0000", W079° 20' 57.0000"	18000	VNAV	240	FLY_BY	TF
PEPLA	WP	N43° 47' 50.9800", W080° 00' 53.5600"	18000	VNAV	240	FLY_BY	TF
RUBKI_	WP	N44° 14' 54.8100", W082° 16' 08.0100"	18000	VNAV	240	FLY_BY	TF
DAYYY	WP	N44° 10' 10.0000", W084° 22' 23.0000"	18000	VNAV	240	FLY_BY	TF

DME DME Assessment Results for Q140 path YODAA_DAYYY

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	
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:	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:	Enabled
Disabled DMEs:	None

DME DME Assessment Results for Q140 path YODAA_DAYYY

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	2.7 %	2.7 %
2	HNK	N42° 03' 47.0050", W075° 18' 58.6240"	11.0 W	130	H	IFPA	NO	Enabled	28.6 %	28.7 %
3	SLT	N41° 30' 45.9340", W077° 58' 12.3950"	8.0 W	130	H	IFPA	NO	Enabled	42.4 %	42.4 %
4	HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	H	IFPA	NO	Enabled	22.7 %	22.7 %
5	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH	IFPA	NO	Enabled	0.5 %	0.5 %
6	ECK	N43° 15' 21.1880", W082° 43' 04.5460"	7.0 W	130	H	IFPA	NO	Enabled	33.3 %	33.3 %
7	JXN	N42° 15' 33.2631", W084° 27' 30.7776"	0.0 E	130	DH	IFPA	NO	Enabled	8.9 %	8.9 %
8	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled	19.1 %	19.2 %
9	RBV	N40° 12' 08.6475", W074° 29' 42.0940"	10.0 W	130	H	IFPA	NO	Enabled	2.8 %	2.8 %
10	DKK	N42° 29' 25.4400", W079° 16' 26.7700"	0.0 E	130	DH	IFPA	NO	Enabled	46.6 %	46.6 %
11	JHW	N42° 11' 18.9850", W079° 07' 16.7075"	7.0 W	130	H	IFPA	NO	Enabled	19 %	19 %
12	FNT	N42° 58' 00.3594", W083° 44' 49.1561"	6.0 W	130	H	IFPA	NO	Enabled	32.1 %	32.1 %
13	BUF	N42° 55' 44.3694", W078° 38' 46.8581"	0.0 E	130	H	IFPA	NO	Enabled	31.8 %	31.8 %
14	ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	H	IFPA	NO	Enabled	13.9 %	13.9 %
15	CCC	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	H	IFPA	NO	Enabled	5.6 %	5.6 %
16	SYR	N43° 09' 37.8684", W076° 12' 16.4106"	11.0 W	130	H	IFPA	NO	Enabled	41.3 %	41.3 %
17	JFK	N40° 37' 58.3816", W073° 46' 17.0103"	12.0 W	130	H	IFPA	NO	Enabled	7.7 %	7.7 %
18	VIO	N42° 47' 12.1822", W085° 29' 49.4620"	4.0 W	130	H	IFPA	NO	Enabled	0.1 %	0.1 %
19	HTO	N40° 55' 08.3846", W072° 19' 00.1357"	13.0 W	130	H	IFPA	NO	Enabled	1.7 %	1.7 %
20	ASP	N44° 26' 56.8613", W083° 23' 39.4201"	0.0 E	130	DH	IFPA	NO	Enabled	40.4 %	40.4 %

DME DME Assessment Results for Q140 path YODAA_DAYYY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HNK	SAX	CCC	HUO	JFK	HTO
8.3	HNK	SAX	HUO	CCC	RBV	JFK
13.5	HNK	SAX	HUO	CCC	JFK	
27.1	HUO	HNK	SAX	JFK		
34.6	HNK	SAX	HUO			
42.2	HNK	SAX				
42.5	HNK	SAX	SLT	HUO	JFK	SYR
45.6	HNK	SAX	SLT	HUO	ETG	SYR
47.5	SLT	SAX	HUO	ETG	SYR	
93.1	SLT	SYR	HUO	HNK	ETG	
110.9	HNK	SYR	SLT	ETG		
111.0	HNK	SYR	SLT			
117.0	HNK	SYR	SLT	DKK		
120.7	HNK	SYR	SLT	BUF	DKK	
161.2	SLT	BUF	SYR	DKK	JHW	
221.1	SLT	DKK	JHW			
227.2	SLT	DKK				
247.3	DKK	BUF	SLT			
248.1	DKK	BUF				
249.4	SYR	DKK	JHW	BUF	SLT	
249.8	DKK	BUF				
256.2	SYR	DKK	JHW	BUF	SLT	
256.4	SYR	DKK	JHW	BUF		
277.9						
284.4	ASP	DKK				
309.0	FNT	DKK	BUF	ASP		
314.6	FNT	DKK	ASP			
323.9	ECK	DKK	ASP			
344.8	ECK	DKK	BUF	ASP	FNT	
350.0	ECK	ASP	BUF	FNT		
363.0	ECK	ASP	FNT			
439.1	ECK	FNT				
442.7	ECK	FNT	JXN			
444.2	ECK	FNT	JXN	ASP		
453.4	ECK	ASP	FNT	JXN	CRL	
456.0	ECK	ASP	FNT	JXN		
485.2	FNT	ASP	ECK	VIO	JXN	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N43° 43' 23.4652", W079° 40' 06.3391"	N43° 45' 15.0112", W079° 48' 43.8780"	6.5237

DME DME Assessment Results for Q140 path YODAA_DAYYY

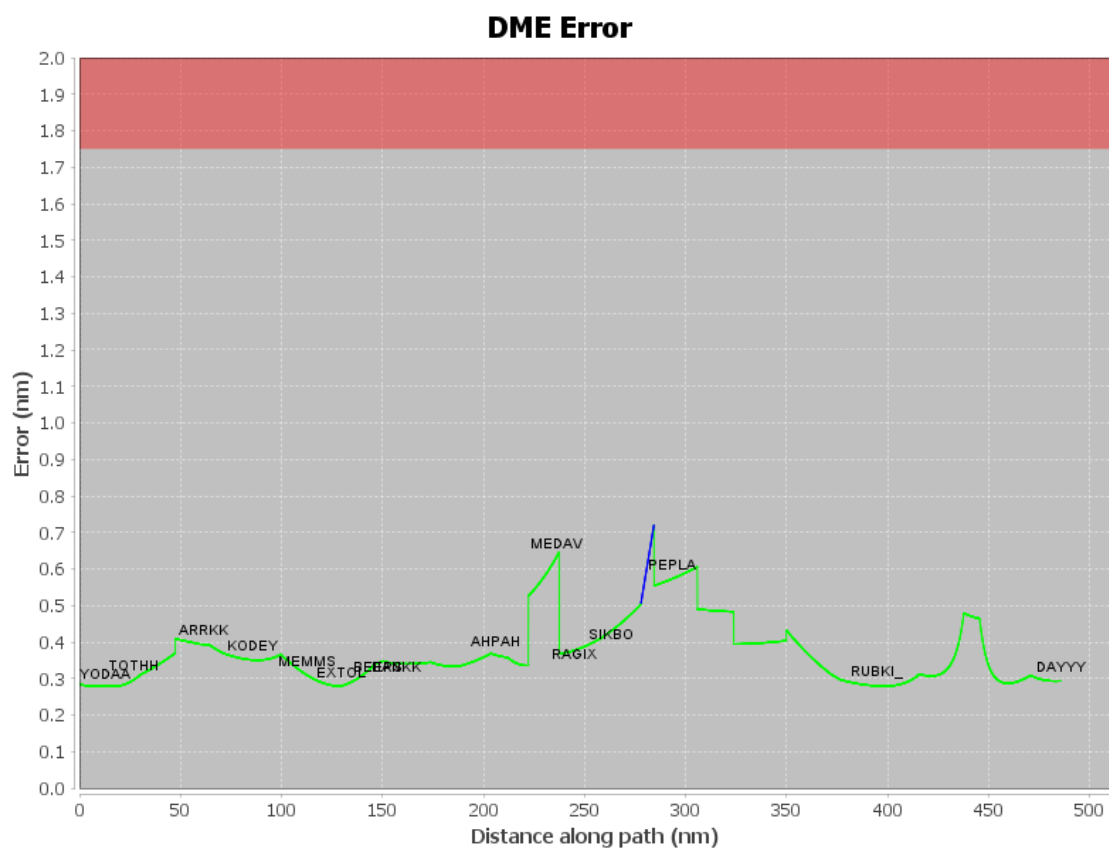
Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
YODAA	TOTHH	HTO, CCC, HUO, HNK, RBV, SAX, JFK, PVD	
TOTHH	ARRKK	CCC, HUO, HNK, ETG, SLT, SAX, SYR, JFK	
ARRKK	KODEY	HUO, HNK, ETG, SLT, SAX, SYR	
KODEY	MEMMS	HUO, HNK, ETG, SLT, SAX, SYR	
MEMMS	EXTOL	BUF, HNK, DKK, SLT, SYR	
EXTOL	BEEPS	BUF, HNK, DKK, SLT, SYR	
BEEPS	HANKK	BUF, HNK, DKK, SLT, SYR	
HANKK	AHPAH	BUF, HNK, DKK, JHW, SLT, SYR	
AHPAH	MEDAV	BUF, DKK, JHW, SLT, SYR	
MEDAV	RAGIX	DKK, SLT	
RAGIX	SIKBO	BUF, DKK, JHW, SLT, SYR	
SIKBO	PEPLA	BUF, DKK, JHW, SYR, ASP	
PEPLA	RUBKI	BUF, DKK, ECK, FNT, ASP	
RUBKI	DAYYY	JXN, ECK, CRL, FNT, VIO, ASP	

User Data Files

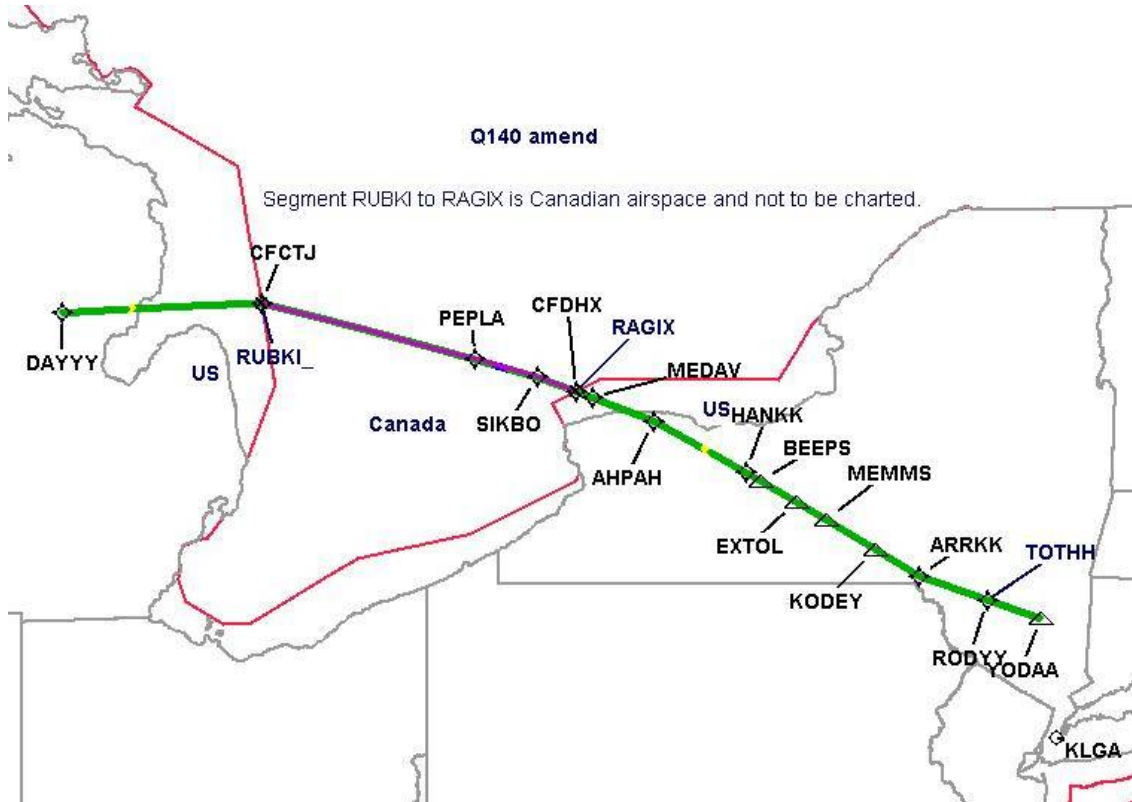
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAA 941132-007 ASP [IFPA]	N44° 26' 56.8613", W083° 23' 39.4201"	0.0 E	130	625.1	null	FAA 941132-007	
ESV:		Bearing [True]: 91.0° to 111.0° Bearing [Mag]: 91.0° to 111.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 45000.0 ft		
2	FAA 702000-009 SLT [IFPA]	N41° 30' 45.9340", W077° 58' 12.3950"	8.0 W	130	2310	113.9	FAA 702000-009	
ESV:		Bearing [True]: 68.0° to 80.0° Bearing [Mag]: 76.0° to 88.0°				Arc Distance: Out to 141.0 NM Altitude: 18000.0 to 45000.0 ft		
3	FAA 702000-006 SLT [IFPA]	N41° 30' 45.9340", W077° 58' 12.3950"	8.0 W	130	2310	113.9	FAA 702000-006	
ESV:		Bearing [True]: 309.0° to 87.0° Bearing [Mag]: 317.0° to 95.0°				Arc Distance: Out to 140.0 NM Altitude: 18000.0 to 45000.0 ft		
4	FAA 703061-014 BUF [IFPA]	N42° 55' 44.3694", W078° 38' 46.8581"	0.0 E	130	730.3	null	FAA 703061-014	
ESV:		Bearing [True]: 298.0° to 304.0° Bearing [Mag]: 298.0° to 304.0°				Arc Distance: Out to 146.0 NM Altitude: 18000.0 to 45000.0 ft		
5	FAA 691869-025 FNT [IFPA]	N42° 58' 00.3594", W083° 44' 49.1561"	6.0 W	130	771.1	116.9	FAA 691869-025	
ESV:		Bearing [True]: 35.0° to 70.0° Bearing [Mag]: 41.0° to 76.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 45000.0 ft		
6	FAA 710315-010 ETG [IFPA]	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	FAA 710315-010	
ESV:		Bearing [True]: 46.0° to 73.0° Bearing [Mag]: 56.0° to 83.0°				Arc Distance: Out to 153.0 NM Altitude: 18000.0 to 45000.0 ft		
7	FAA 704256-006 SYR [IFPA]	N43° 09' 37.8684", W076° 12' 16.4106"	11.0 W	130	453.2	117.0	FAA 704256-006	
ESV:		Bearing [True]: 281.0° to 286.0° Bearing [Mag]: 292.0° to 297.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		

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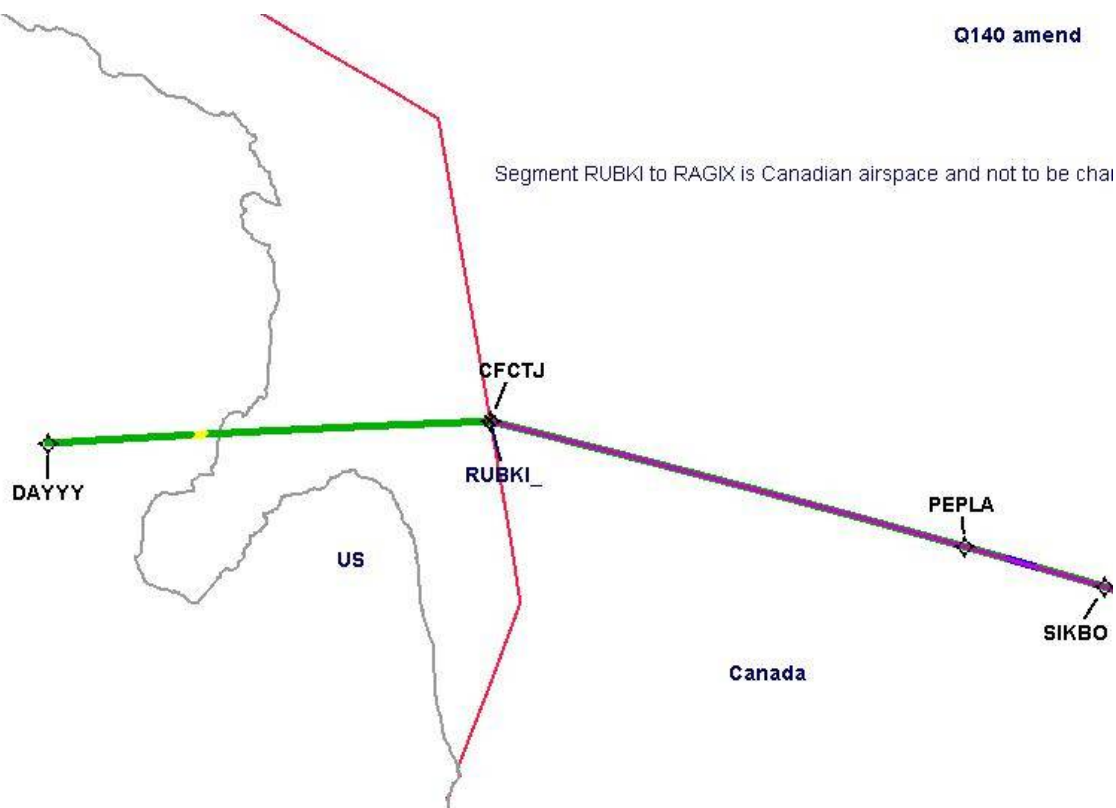
Graphic Depiction 1



DME DME Assessment Results for Q140 path YODAA_DAYYY

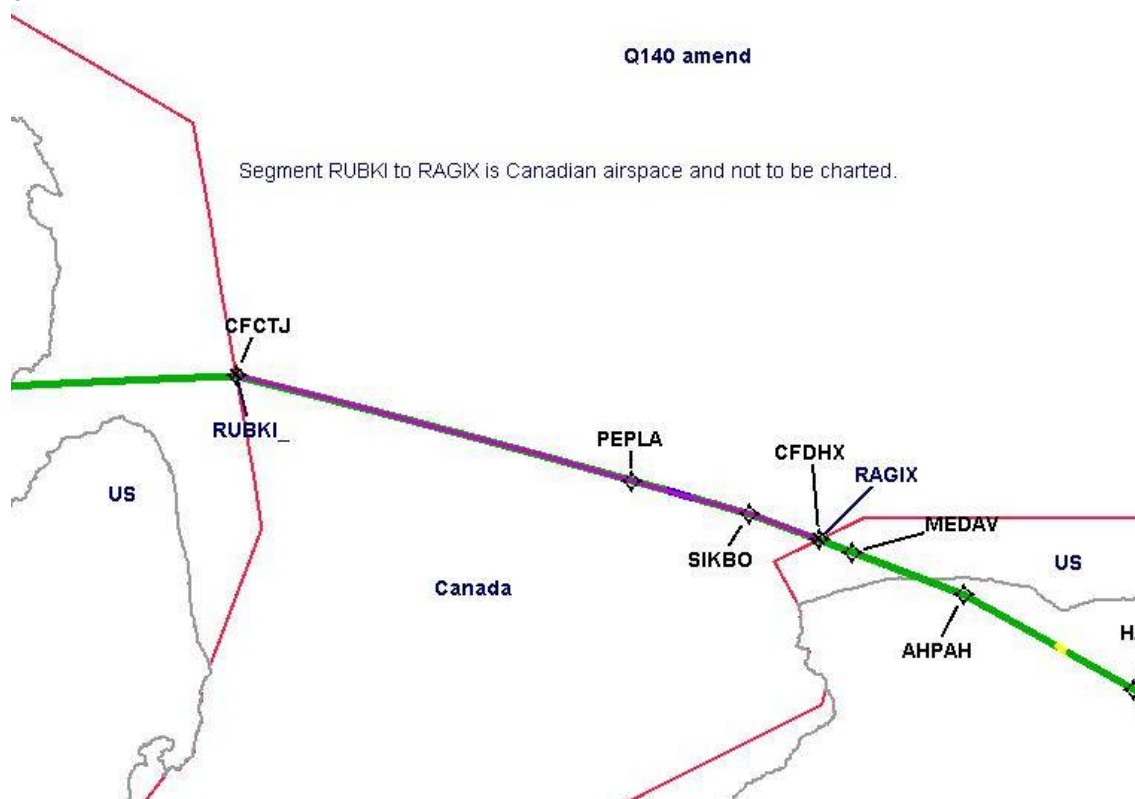
Graphic Depiction 2

Q140 amend



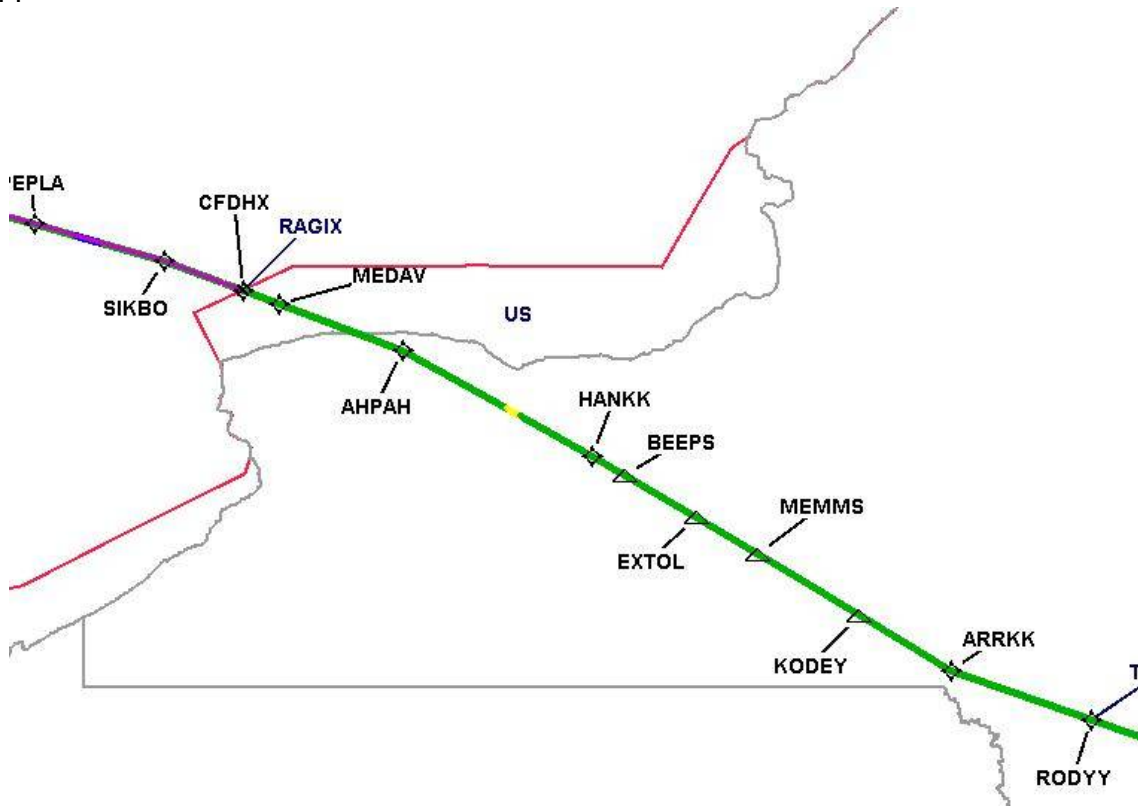
DME DME Assessment Results for Q140 path YODAA_DAYYY

Graphic Depiction 3



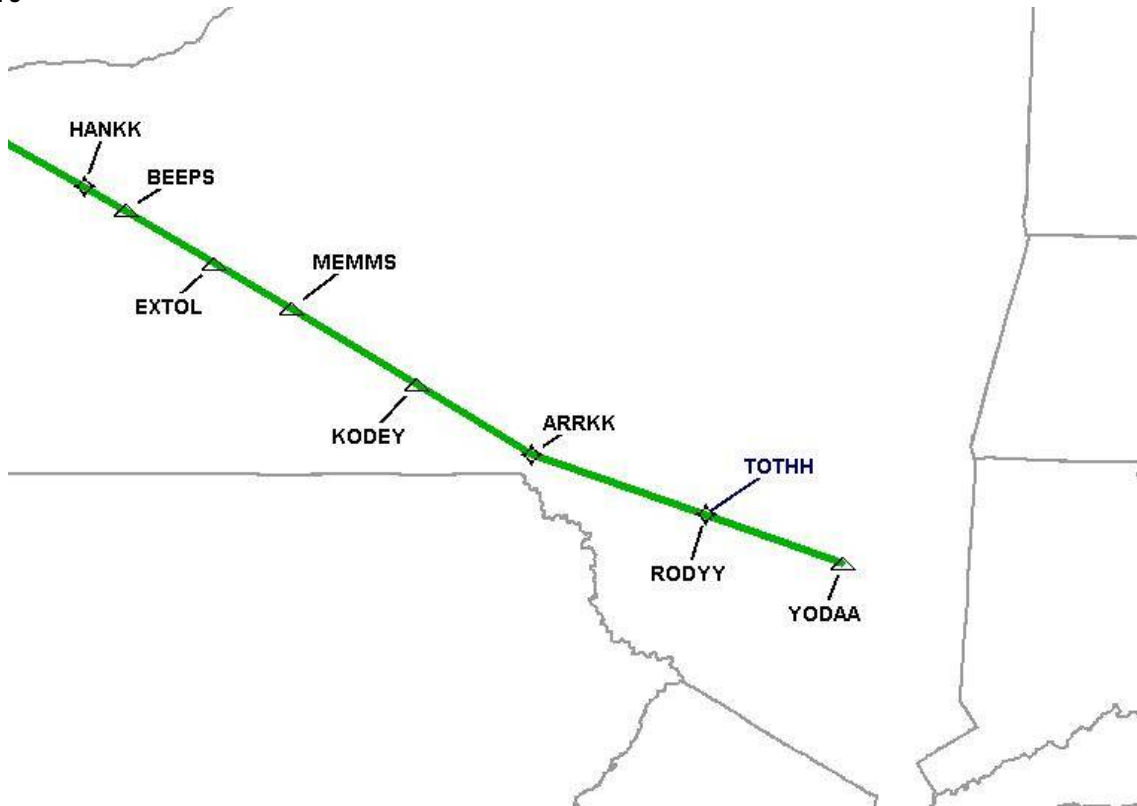
DME DME Assessment Results for Q140 path YODAA_DAYYY

Graphic Depiction 4



DME DME Assessment Results for Q140 path YODAA_DAYYY

Graphic Depiction 5



1 Q140	Q	West	Q140				
2 YODAA	DAYYY						
3 YODAA	414321.2	-740153	TOTHH	415225.9	-743549		
4	1	27	415225.9	-743549	0	414321.2	-740153
5 HUO		0	0				
5 HNK		0	0				
5 SAX		0	0				
5 CCC		0	0				
5 JFK		0	0				
3 TOTHH	415225.9	-743549	ARRKK	420348.5	-751900		
4	1	34.2	420348.5	-751900	16.2	415752.6	-745620
5 SLT		0	0				
5 SAX		0	0				
5 SYR		0	0				
5 ETG		0	0				
5 HUO		0	0				
4	2	16.2	415752.6	-745620	15.5	415737.9	-745524
5 HNK		0	0				
5 SAX		0	0				
5 SLT		0	0				
5 HUO		0	0				
5 JFK		0	0				
4	3	15.5	415737.9	-745524	15.2	415731.3	-745459
5 HNK		0	0				
5 SAX		0	0				
4	4	15.2	415731.3	-745459	7.5	415457.6	-744519
5 HNK		0	0				
5 SAX		0	0				
5 HUO		0	0				
4	5	7.5	415457.6	-744519	0.1	415227.2	-743554
5 HNK		0	0				
5 SAX		0	0				
5 HUO		0	0				
5 JFK		0	0				
4	6	0.1	415227.2	-743554	0	415225.9	-743549
5 HUO		0	0				
5 HNK		0	0				
5 SAX		0	0				
5 CCC		0	0				
5 JFK		0	0				
3 ARRKK	420348.5	-751900	KODEY	421647.5	-754704		
4	1	24.6	421647.5	-754704	8.2	420809	-752820
5 SLT		0	0				
5 SYR		0	0				
5 HUO		0	0				
5 ETG		0	0				
5 SAX		0	0				

4	2	8.2	420809	-752820	0	420348.5	-751900
5 SLT		0	0				
5 SYR		0	0				
5 SAX		0	0				
5 ETG		0	0				
5 HUO		0	0				
3 KODEY		421647.5	-754704	MEMMS	423059.7	-761815	
4	1	27.1	423059.7	-761815	25.3	423001.4	-761606
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
4	2	25.3	423001.4	-761606	25.1	422957.2	-761557
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 ETG		0	0				
4	3	25.1	422957.2	-761557	0	421647.5	-754704
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 ETG		0	0				
5 HUO		0	0				
3 MEMMS		423059.7	-761815	EXTOL	423927.7	-763706	
4	1	16.3	423927.7	-763706	7.8	423504.8	-762719
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 BUF		0	0				
5 DKK		0	0				
4	2	7.8	423504.8	-762719	4.1	423308.6	-762301
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 DKK		0	0				
4	3	4.1	423308.6	-762301	0	423059.7	-761815
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
3 EXTOL		423927.7	-763706	BEEPS	424913.3	-765905	
4	1	18.9	424913.3	-765905	0	423927.7	-763706
5 SLT		0	0				
5 HNK		0	0				
5 SYR		0	0				
5 BUF		0	0				
5 DKK		0	0				
3 BEEPS		424913.3	-765905	HANKK	425341.8	-770915	
4	1	8.7	425341.8	-770915	0	424913.3	-765905

5 SLT		0	0				
5 BUF		0	0				
5 HNK		0	0				
5 SYR		0	0				
5 DKK		0	0				
3 HANKK		425341.8	-770915	AHPAH	431819	-780735	
4	1	49.3	431819	-780735	0.1	425343.8	-770920
5 JHW		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 BUF		0	0				
5 DKK		0	0				
4	2	0.1	425343.8	-770920	0	425341.8	-770915
5 SLT		0	0				
5 BUF		0	0				
5 HNK		0	0				
5 SYR		0	0				
5 DKK		0	0				
3 AHPAH		431819	-780735	MEDAV	432919	-784546	
4	1	29.9	432919	-784546	21.1	432604.8	-783426
5 SLT		0	0				
5 DKK		0	0				
4	2	21.1	432604.8	-783426	15	432351.3	-782641
5 SLT		0	0				
5 DKK		0	0				
5 JHW		0	0				
4	3	15	432351.3	-782641	0	431819	-780735
5 BUF		0	0				
5 SYR		0	0				
5 JHW		0	0				
5 DKK		0	0				
5 SLT		0	0				
3 MEDAV		432919	-784546	RAGIX	433227	-785648	
4	1	8.6	433227	-785648	0	432919	-784546
5 SLT		0	0				
5 DKK		0	0				
3 RAGIX		433227	-785648	SIKBO	433913	-792057	
4	1	18.8	433913	-792057	11.7	433640.1	-791148
5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				
4	2	11.7	433640.1	-791148	11.5	433635.8	-791133
5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				

5 SLT		0	0				
4	3	11.5	433635.8	-791133	5.1	433417.9	-790322
5 DKK		0	0				
5 BUF		0	0				
4	4	5.1	433417.9	-790322	4.7	433409.3	-790251
5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				
5 SLT		0	0				
4	5	4.7	433409.3	-790251	3.5	433341.9	-790114
5 DKK		0	0				
5 BUF		0	0				
4	6	3.5	433341.9	-790114	2.7	433324.7	-790012
5 DKK		0	0				
5 BUF		0	0				
5 SLT		0	0				
4	7	2.7	433324.7	-790012	0	433227	-785648
5 SLT		0	0				
5 DKK		0	0				
3 SIKBO		433913	-792057	PEPLA	434751	-800054	
4	1	30.2	434751	-800054	21	434513.9	-794839
5 ASP		0	0				
5 DKK		0	0				
4	2	21	434513.9	-794839	14.4	434322.3	-794001
4	3	14.4	434322.3	-794001	0	433913	-792057
5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				
3 PEPLA		434751	-800054	RUBKI_	441454.8	-821608	
4	1	101.3	441454.8	-821608	69.3	440639	-813311
5 ECK		0	0				
5 ASP		0	0				
5 FNT		0	0				
4	2	69.3	440639	-813311	56.3	440313	-811547
5 ECK		0	0				
5 ASP		0	0				
5 BUF		0	0				
5 FNT		0	0				
4	3	56.3	440313	-811547	51.1	440149.9	-810850
5 ECK		0	0				
5 DKK		0	0				
5 ASP		0	0				
5 BUF		0	0				
5 FNT		0	0				
4	4	51.1	440149.9	-810850	30.2	435612	-804101

5 ECK		0	0				
5 DKK		0	0				
5 ASP		0	0				
4	5	30.2	435612	-804101	20.9	435338.7	-802835
5 FNT		0	0				
5 DKK		0	0				
5 ASP		0	0				
4	6	20.9	435338.7	-802835	15.3	435207.1	-802114
5 FNT		0	0				
5 DKK		0	0				
5 BUF		0	0				
5 ASP		0	0				
4	7	15.3	435207.1	-802114	0	434751	-800054
5 ASP		0	0				
5 DKK		0	0				
3 RUBKI_		441454.8	-821608	DAYYY	441010	-842223	
4	1	90.9	441010	-842223	90.3	441012.6	-842128
5 FNT		0	0				
5 ASP		0	0				
5 ECK		0	0				
5 VIO		0	0				
5 JXN		0	0				
4	2	90.3	441012.6	-842128	61	441159.2	-834052
5 FNT		0	0				
5 ASP		0	0				
5 ECK		0	0				
5 JXN		0	0				
4	3	61	441159.2	-834052	58.4	441207.9	-833715
5 ECK		0	0				
5 ASP		0	0				
5 FNT		0	0				
5 JXN		0	0				
5 CRL		0	0				
4	4	58.4	441207.9	-833715	49.2	441238	-832429
5 ECK		0	0				
5 ASP		0	0				
5 FNT		0	0				
5 JXN		0	0				
4	5	49.2	441238	-832429	47.7	441242.7	-832227
5 ECK		0	0				
5 FNT		0	0				
5 JXN		0	0				
4	6	47.7	441242.7	-832227	44.1	441254	-831727
5 ECK		0	0				
5 FNT		0	0				
4	7	44.1	441254	-831727	0	441454.8	-821608
5 ECK		0	0				

5 FNT	0	0
5 ASP	0	0

<< ALTS_ON_GRADIENT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15														
YODAA	WP	N 41:43:21.19	W 74:01:52.76						N 41:43.353	W 74:01.879	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
TOTHH	WP	N 41:52:25.85	W 74:35:49.39						N 41:52.431	W 74:35.823	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
ARRKK	WP	N 42:03:48.52	W 75:19:00.41						N 42:03.809	W 75:19.007	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
KODEY	WP	N 42:16:47.53	W 75:47:04.00						N 42:16.792	W 75:47.067	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
MEMMS	WP	N 42:30:59.71	W 76:18:15.43						N 42:30.995	W 76:18.257	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
EXTOL	WP	N 42:39:27.69	W 76:37:06.10						N 42:39.461	W 76:37.102	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
BEEPS	WP	N 42:49:13.26	W 76:59:04.84						N 42:49.221	W 76:59.081	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
HANKK	WP	N 42:53:41.82	W 77:09:15.21						N 42:53.697	W 77:09.253	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
AHPAH	WP	N 43:18:19.00	W 78:07:35.11						N 43:18.317	W 78:07.585	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
MEDAV	WP	N 43:29:19.00	W 78:45:46.00						N 43:29.317	W 78:45.767	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
RAGIX	WP	N 43:32:26.95	W 78:56:47.94						N 43:32.449	W 78:56.799	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
SIKBO	WP	N 43:39:13.00	W 79:20:57.00						N 43:39.217	W 79:20.950	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
PEPLA	WP	N 43:47:50.98	W 80:00:53.56						N 43:47.850	W 80:00.893	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
RUBKI	WP	N 44:14:54.81	W 82:16:08.01						N 44:14.914	W 82:16.133	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
DAYYY	WP	N 44:10:10.00	W 84:22:23.00						N 44:10.167	W 84:22.383	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										

// YODAA: CCC HTO HUO HNK RBV SAX JFK PVD
 // TOTHH: CCC HUO HNK ETG SLT SAX SYR JFK
 // ARRKK: HUO HNK ETG SLT SAX SYR
 // KODEY: HUO HNK ETG SLT SAX SYR
 // MEMMS: BUF HNK DKK SLT SYR
 // EXTOL: BUF HNK DKK SLT SYR
 // BEEPS: BUF HNK DKK SLT SYR
 // HANKK: BUF HNK DKK JHW SLT SYR
 // AHPAH: BUF DKK JHW SLT SYR
 // MEDAV: DKK SLT
 // RAGIX: BUF DKK JHW SLT SYR
 // SIKBO: BUF DKK JHW SYR ASP
 // PEPLA: BUF DKK ECK FNT ASP
 // RUBKI : JXN ECK CRL VIO FNT ASP
 // DAYYY:

DME DME Assessment Results for Q140 path DAYYY_YODAA

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\Q140\Q140 amend 231109ssr.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\Q140\Q140 20240122_0701 EST\DAYYY_YODAA\Q140 RNAV ROUTE DAYYY YODAA 20240122_0701 EST.pdf
Procedure Name:	Q140
Software: DmeDmePlugin:	7.2.1
Date/Time:	01/22/2024 07:01 EST
Databases:	DTED 0

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

Segment RUBKI to RAGIX is Canadian airspace and not to be charted.

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DAYYY	WP	N44° 10' 10.0000", W084° 22' 23.0000"	18000	VNAV	240	FLY_BY	TF
RUBKI_	WP	N44° 14' 54.8100", W082° 16' 08.0100"	18000	VNAV	240	FLY_BY	TF
PEPLA	WP	N43° 47' 50.9800", W080° 00' 53.5600"	18000	VNAV	240	FLY_BY	TF
SIKBO	WP	N43° 39' 13.0000", W079° 20' 57.0000"	18000	VNAV	240	FLY_BY	TF
RAGIX	WP	N43° 32' 26.9500", W078° 56' 47.9400"	18000	VNAV	240	FLY_BY	TF
MEDAV	WP	N43° 29' 19.0000", W078° 45' 46.0000"	18000	VNAV	240	FLY_BY	TF
AHPAH	WP	N43° 18' 19.0000", W078° 07' 35.1100"	18000	VNAV	240	FLY_BY	TF
HANKK	WP	N42° 53' 41.8200", W077° 09' 15.2100"	18000	VNAV	240	FLY_BY	TF
BEEPS	WP	N42° 49' 13.2600", W076° 59' 04.8400"	18000	VNAV	240	FLY_BY	TF
EXTOL	WP	N42° 39' 27.6900", W076° 37' 06.1000"	18000	VNAV	240	FLY_BY	TF
MEMMS	WP	N42° 30' 59.7100", W076° 18' 15.4300"	18000	VNAV	240	FLY_BY	TF
KODEY	WP	N42° 16' 47.5300", W075° 47' 04.0000"	18000	VNAV	240	FLY_BY	TF
ARRKK	WP	N42° 03' 48.5200", W075° 19' 00.4100"	18000	VNAV	240	FLY_BY	TF
TOTHH	WP	N41° 52' 25.8500", W074° 35' 49.3900"	18000	VNAV	240	FLY_BY	TF
YODAA	WP	N41° 43' 21.1900", W074° 01' 52.7600"	18000	VNAV	240	FLY_BY	TF

DME DME Assessment Results for Q140 path DAYYY_YODAA

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	
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:	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:	Enabled
Disabled DMEs:	None

DME DME Assessment Results for Q140 path DAYYY_YODAA

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SLT	N41° 30' 45.9340", W077° 58' 12.3950"	8.0 W	130	H	IFPA	NO	Enabled	42.4 %	42.4 %
2	HNK	N42° 03' 47.0050", W075° 18' 58.6240"	11.0 W	130	H	IFPA	NO	Enabled	28.6 %	28.7 %
3	PVD	N41° 43' 27.6334", W071° 25' 46.7078"	14.0 W	130	DH	IFPA	NO	Enabled	2.7 %	2.7 %
4	HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	H	IFPA	NO	Enabled	22.7 %	22.7 %
5	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH	IFPA	NO	Enabled	0.5 %	0.5 %
6	ECK	N43° 15' 21.1880", W082° 43' 04.5460"	7.0 W	130	H	IFPA	NO	Enabled	33.3 %	33.3 %
7	JXN	N42° 15' 33.2631", W084° 27' 30.7776"	0.0 E	130	DH	IFPA	NO	Enabled	8.9 %	8.9 %
8	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled	19.1 %	19.2 %
9	RBV	N40° 12' 08.6475", W074° 29' 42.0940"	10.0 W	130	H	IFPA	NO	Enabled	2.8 %	2.8 %
10	DKK	N42° 29' 25.4400", W079° 16' 26.7700"	0.0 E	130	DH	IFPA	NO	Enabled	46.6 %	46.6 %
11	JHW	N42° 11' 18.9850", W079° 07' 16.7075"	7.0 W	130	H	IFPA	NO	Enabled	19 %	19 %
12	FNT	N42° 58' 00.3594", W083° 44' 49.1561"	6.0 W	130	H	IFPA	NO	Enabled	32.1 %	32.1 %
13	BUF	N42° 55' 44.3694", W078° 38' 46.8581"	0.0 E	130	H	IFPA	NO	Enabled	31.8 %	31.8 %
14	ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	H	IFPA	NO	Enabled	13.9 %	13.9 %
15	CCC	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	H	IFPA	NO	Enabled	5.6 %	5.6 %
16	SYR	N43° 09' 37.8684", W076° 12' 16.4106"	11.0 W	130	H	IFPA	NO	Enabled	41.3 %	41.3 %
17	VIO	N42° 47' 12.1822", W085° 29' 49.4620"	4.0 W	130	H	IFPA	NO	Enabled	0.1 %	0.1 %
18	JFK	N40° 37' 58.3816", W073° 46' 17.0103"	12.0 W	130	H	IFPA	NO	Enabled	7.7 %	7.7 %
19	HTO	N40° 55' 08.3846", W072° 19' 00.1357"	13.0 W	130	H	IFPA	NO	Enabled	1.7 %	1.7 %
20	ASP	N44° 26' 56.8613", W083° 23' 39.4201"	0.0 E	130	DH	IFPA	NO	Enabled	40.4 %	40.4 %

DME DME Assessment Results for Q140 path DAYYY_YODAA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FNT	ASP	ECK	VIO	JXN	
0.7	FNT	ASP	ECK	JXN		
29.9	ECK	ASP	FNT	JXN	CRL	
32.5	ECK	ASP	FNT	JXN		
41.7	ECK	FNT	JXN			
43.2	ECK	FNT				
46.8	ECK	FNT	ASP			
122.9	ECK	ASP	BUF	FNT		
135.9	ECK	DKK	ASP	BUF	FNT	
141.1	ECK	DKK	ASP			
162.0	FNT	DKK	ASP			
171.3	FNT	DKK	BUF	ASP		
176.9	ASP	DKK				
201.4						
208.0	SYR	DKK	JHW	BUF		
229.5	SYR	DKK	JHW	BUF	SLT	
229.7	DKK	BUF				
236.1	SYR	DKK	JHW	BUF	SLT	
236.5	DKK	BUF				
237.8	DKK	BUF	SLT			
238.6	SLT	DKK				
258.7	SLT	DKK	JHW			
264.8	BUF	SYR	JHW	DKK	SLT	
329.0	SLT	BUF	HNK	SYR	DKK	
365.2	HNK	SYR	SLT	DKK		
368.9	HNK	SYR	SLT			
374.9	HNK	SYR	SLT	ETG		
375.0	HNK	SYR	SLT	ETG	HUO	
416.5	SLT	SYR	SAX	ETG	HUO	
442.6	HNK	SAX	SLT	HUO	JFK	SYR
443.3	HNK	SAX				
443.7	HNK	SAX	HUO			
451.3	HNK	SAX	HUO	JFK		
458.8	HUO	HNK	SAX	CCC	JFK	

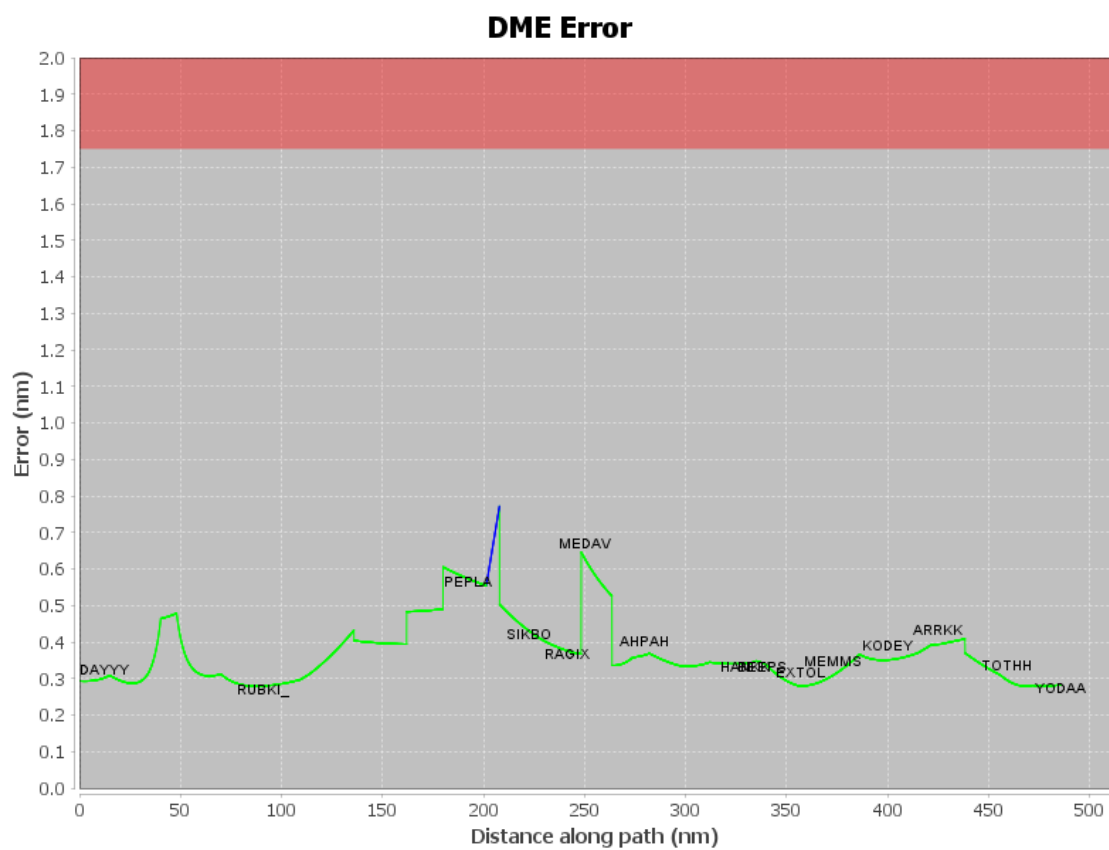
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N43° 45' 13.8763", W079° 48' 38.5943"	N43° 43' 22.3236", W079° 40' 01.0609"	6.5237

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DAYYY	RUBKI	JXN, ECK, CRL, VIO, FNT, ASP	
RUBKI	PEPLA	BUF, DKK, ECK, FNT, ASP	
PEPLA	SIKBO	BUF, DKK, JHW, SYR, ASP	
SIKBO	RAGIX	BUF, DKK, JHW, SLT, SYR	
RAGIX	MEDAV	DKK, SLT	
MEDAV	AHPAH	BUF, DKK, JHW, SLT, SYR	
AHPAH	HANKK	BUF, HNK, DKK, JHW, SLT, SYR	
HANKK	BEEPS	BUF, HNK, DKK, SLT, SYR	
BEEPS	EXTOL	BUF, HNK, DKK, SLT, SYR	
EXTOL	MEMMS	BUF, HNK, DKK, SLT, SYR	
MEMMS	KODEY	HUO, HNK, ETG, SLT, SAX, SYR	
KODEY	ARRKK	HUO, HNK, ETG, SLT, SAX, SYR	
ARRKK	TOTHH	CCC, HUO, HNK, ETG, SLT, SAX, SYR, JFK	
TOTHH	YODAA	CCC, HTO, HUO, HNK, RBV, SAX, JFK, PVD	

DME DME Assessment Results for Q140 path DAYYY_YODAA

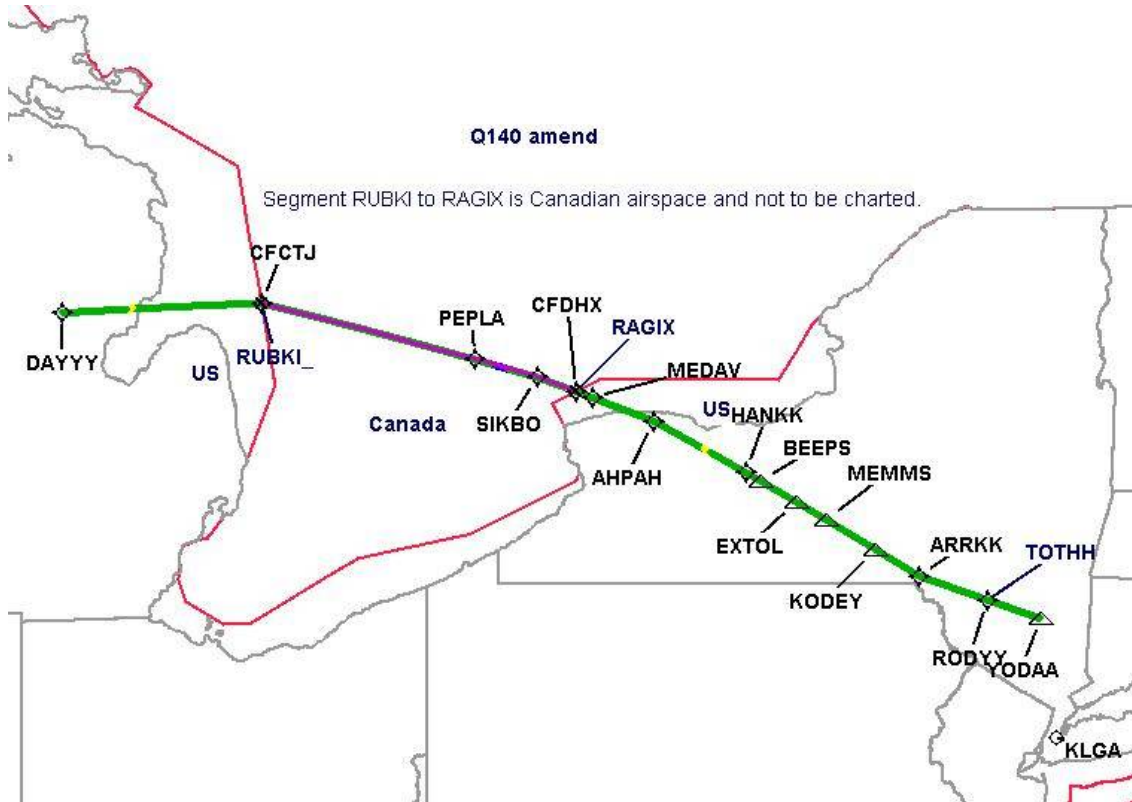
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAA 941132-007 ASP [IFPA]	N44° 26' 56.8613", W083° 23' 39.4201"	0.0 E	130	625.1	null	FAA 941132-007	
ESV:		Bearing [True]: 91.0° to 111.0° Bearing [Mag]: 91.0° to 111.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 45000.0 ft		
2	FAA 702000-009 SLT [IFPA]	N41° 30' 45.9340", W077° 58' 12.3950"	8.0 W	130	2310	113.9	FAA 702000-009	
ESV:		Bearing [True]: 68.0° to 80.0° Bearing [Mag]: 76.0° to 88.0°				Arc Distance: Out to 141.0 NM Altitude: 18000.0 to 45000.0 ft		
3	FAA 702000-006 SLT [IFPA]	N41° 30' 45.9340", W077° 58' 12.3950"	8.0 W	130	2310	113.9	FAA 702000-006	
ESV:		Bearing [True]: 309.0° to 87.0° Bearing [Mag]: 317.0° to 95.0°				Arc Distance: Out to 140.0 NM Altitude: 18000.0 to 45000.0 ft		
4	FAA 703061-014 BUF [IFPA]	N42° 55' 44.3694", W078° 38' 46.8581"	0.0 E	130	730.3	null	FAA 703061-014	
ESV:		Bearing [True]: 298.0° to 304.0° Bearing [Mag]: 298.0° to 304.0°				Arc Distance: Out to 146.0 NM Altitude: 18000.0 to 45000.0 ft		
5	FAA 691869-025 FNT [IFPA]	N42° 58' 00.3594", W083° 44' 49.1561"	6.0 W	130	771.1	116.9	FAA 691869-025	
ESV:		Bearing [True]: 35.0° to 70.0° Bearing [Mag]: 41.0° to 76.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 45000.0 ft		
6	FAA 710315-010 ETG [IFPA]	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	2250	116.0	FAA 710315-010	
ESV:		Bearing [True]: 46.0° to 73.0° Bearing [Mag]: 56.0° to 83.0°				Arc Distance: Out to 153.0 NM Altitude: 18000.0 to 45000.0 ft		
7	FAA 704256-006 SYR [IFPA]	N43° 09' 37.8684", W076° 12' 16.4106"	11.0 W	130	453.2	117.0	FAA 704256-006	
ESV:		Bearing [True]: 281.0° to 286.0° Bearing [Mag]: 292.0° to 297.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		

DME DME Assessment Results for Q140 path DAYYY_YODAA



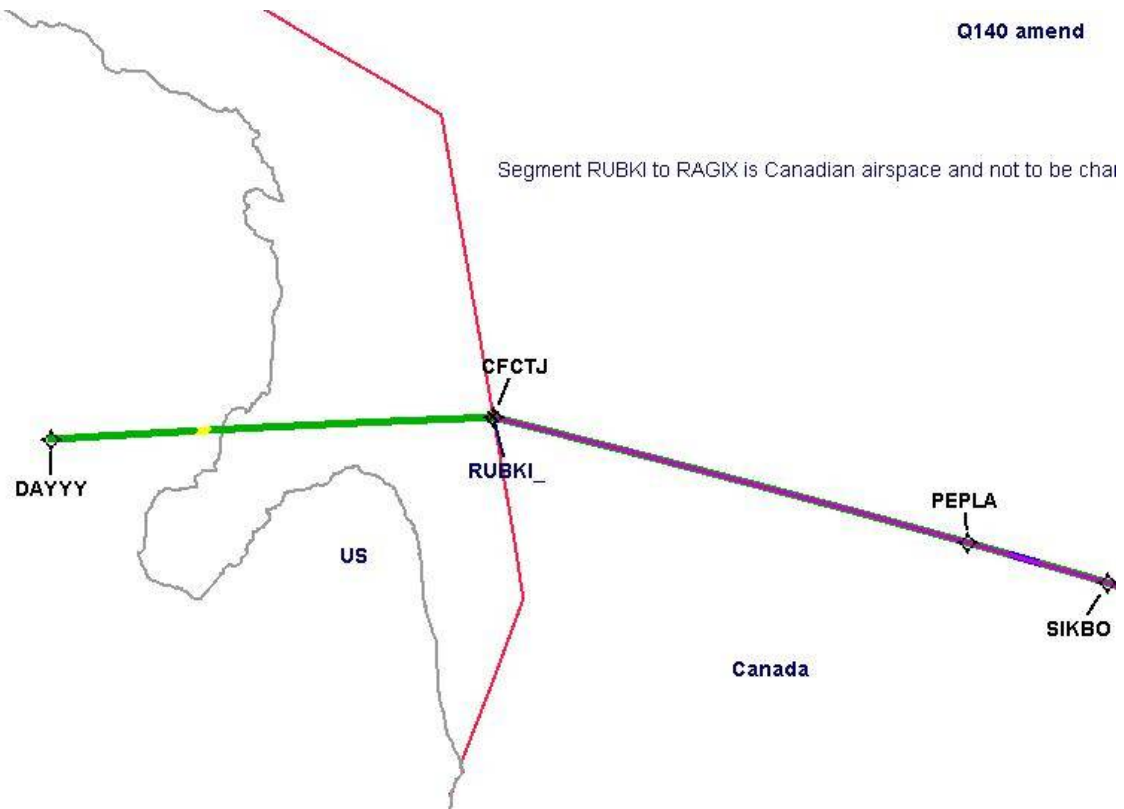
DME DME Assessment Results for Q140 path DAYYY_YODAA

Graphic Depiction 1



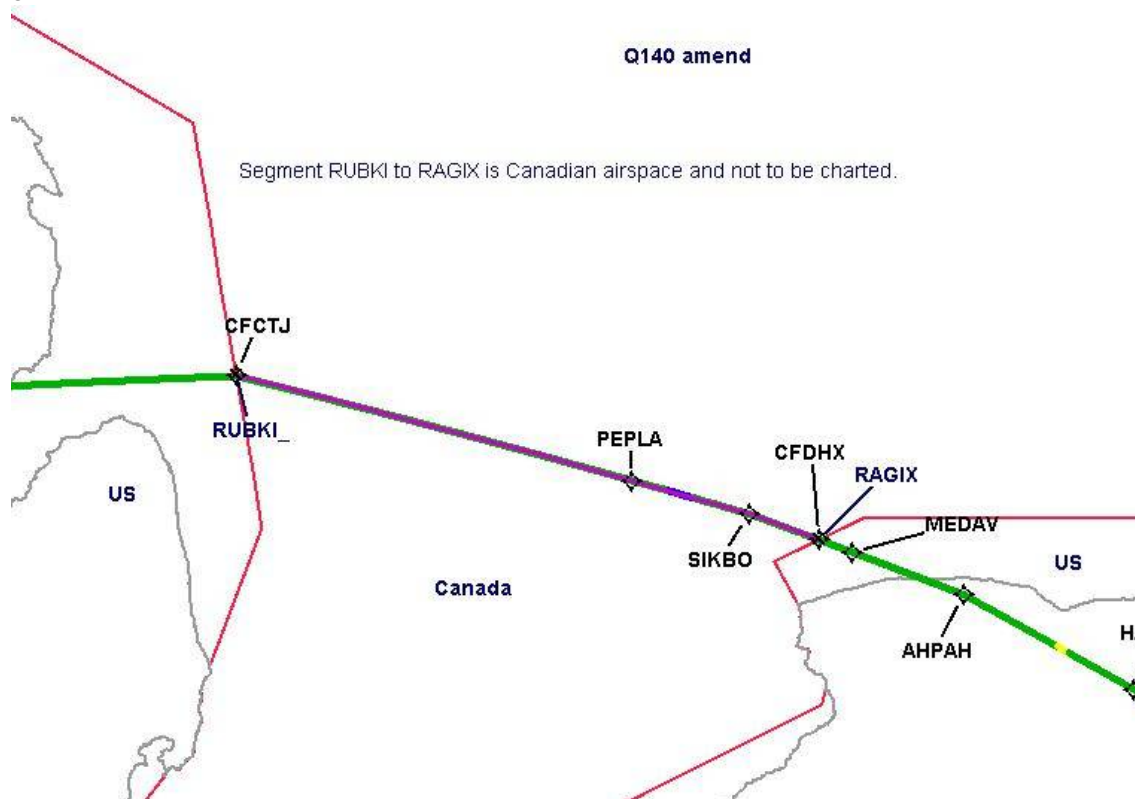
DME DME Assessment Results for Q140 path DAYYY_YODAA

Graphic Depiction 2



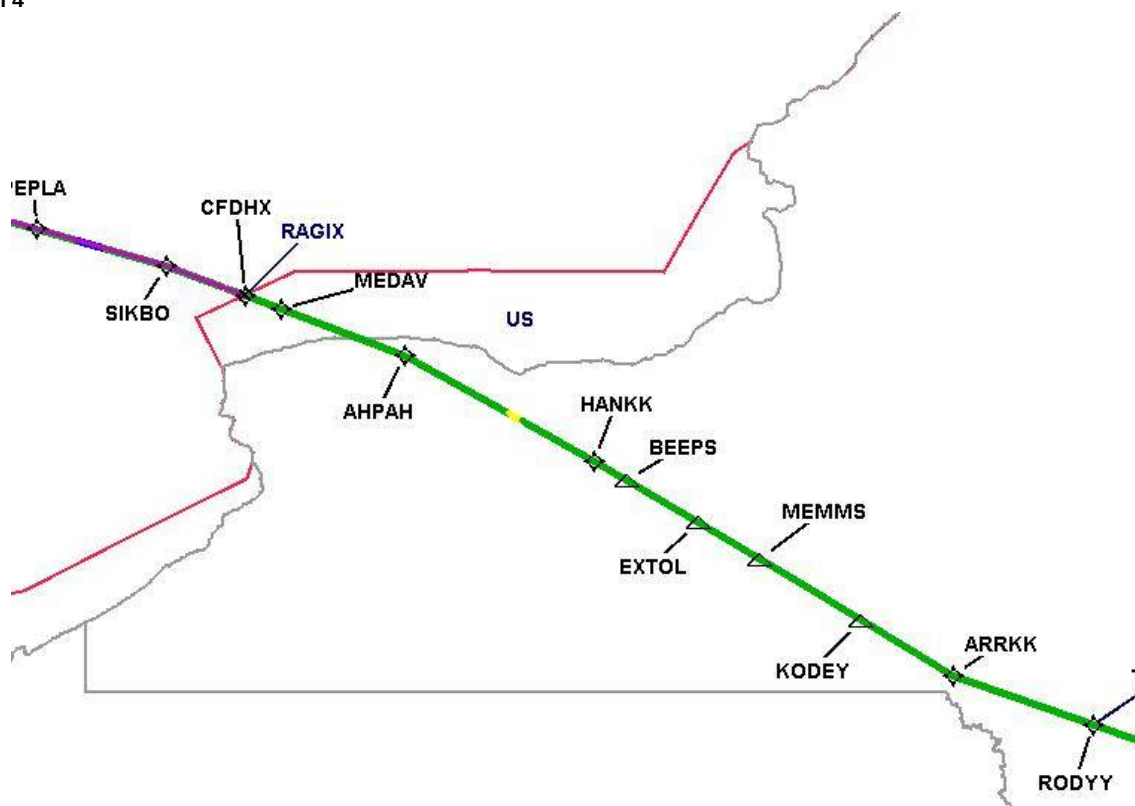
DME DME Assessment Results for Q140 path DAYYY_YODAA

Graphic Depiction 3



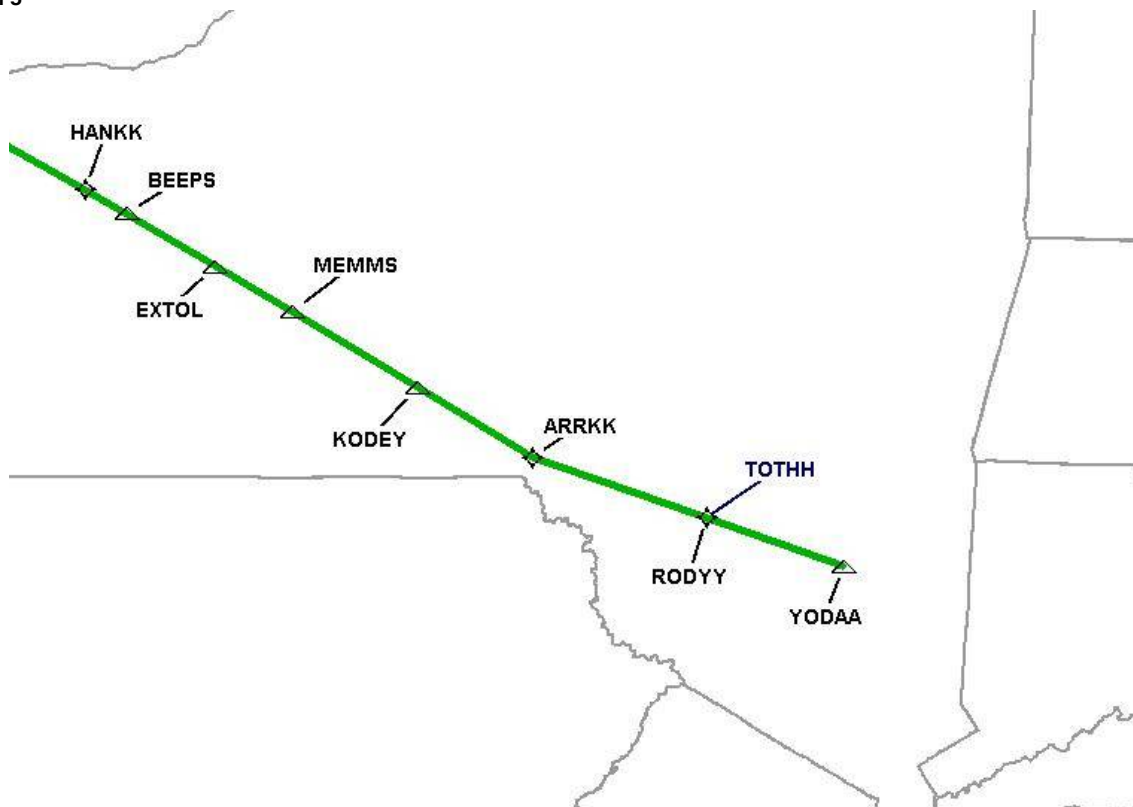
DME DME Assessment Results for Q140 path DAYYY_YODAA

Graphic Depiction 4



DME DME Assessment Results for Q140 path DAYYY_YODAA

Graphic Depiction 5



1 Q140	Q	East	Q140				
2 DAYYY	YODAA						
3 DAYYY		441010	-842223 RUBKI_	441454.8	-821608		
4	1	90.9	441010 -842223	90.3	441012.6	-842128	
5 FNT		0	0				
5 ASP		0	0				
5 ECK		0	0				
5 VIO		0	0				
5 JXN		0	0				
4	2	90.3	441012.6 -842128	61	441159.2	-834052	
5 FNT		0	0				
5 ASP		0	0				
5 ECK		0	0				
5 JXN		0	0				
4	3	61	441159.2 -834052	58.4	441207.9	-833715	
5 ECK		0	0				
5 ASP		0	0				
5 FNT		0	0				
5 JXN		0	0				
5 CRL		0	0				
4	4	58.4	441207.9 -833715	49.2	441238	-832429	
5 ECK		0	0				
5 ASP		0	0				
5 FNT		0	0				
5 JXN		0	0				
4	5	49.2	441238 -832429	47.7	441242.7	-832227	
5 ECK		0	0				
5 FNT		0	0				
5 JXN		0	0				
4	6	47.7	441242.7 -832227	44.1	441254	-831727	
5 ECK		0	0				
5 FNT		0	0				
4	7	44.1	441254 -831727	0	441454.8	-821608	
5 ECK		0	0				
5 FNT		0	0				
5 ASP		0	0				
3 RUBKI_		441454.8	-821608 PEPLA	434751	-800054		
4	1	101.3	441454.8 -821608	69.3	440639	-813311	
5 ECK		0	0				
5 ASP		0	0				
5 FNT		0	0				
4	2	69.3	440639 -813311	56.3	440313	-811547	
5 ECK		0	0				
5 ASP		0	0				
5 BUF		0	0				
5 FNT		0	0				
4	3	56.3	440313 -811547	51.1	440149.9	-810850	

5 ECK		0	0				
5 DKK		0	0				
5 ASP		0	0				
5 BUF		0	0				
5 FNT		0	0				
4	4	51.1	440149.9	-810850	30.2	435612	-804101
5 ECK		0	0				
5 DKK		0	0				
5 ASP		0	0				
4	5	30.2	435612	-804101	20.9	435338.7	-802835
5 FNT		0	0				
5 DKK		0	0				
5 ASP		0	0				
4	6	20.9	435338.7	-802835	15.3	435207.1	-802114
5 FNT		0	0				
5 DKK		0	0				
5 BUF		0	0				
5 ASP		0	0				
4	7	15.3	435207.1	-802114	0	434751	-800054
5 ASP		0	0				
5 DKK		0	0				
3 PEPLA		434751	-800054	SIKBO	433913	-792057	
4	1	30.2	434751	-800054	21	434513.9	-794839
5 ASP		0	0				
5 DKK		0	0				
4	2	21	434513.9	-794839	14.4	434322.3	-794001
4	3	14.4	434322.3	-794001	0	433913	-792057
5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				
3 SIKBO		433913	-792057	RAGIX	433227	-785648	
4	1	18.8	433913	-792057	11.7	433640.1	-791148
5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				
4	2	11.7	433640.1	-791148	11.5	433635.8	-791133
5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				
5 SLT		0	0				
4	3	11.5	433635.8	-791133	5.1	433417.9	-790322
5 DKK		0	0				
5 BUF		0	0				
4	4	5.1	433417.9	-790322	4.7	433409.3	-790251

5 SYR		0	0				
5 DKK		0	0				
5 JHW		0	0				
5 BUF		0	0				
5 SLT		0	0				
4	5	4.7	433409.3	-790251	3.5	433341.9	-790114
5 DKK		0	0				
5 BUF		0	0				
4	6	3.5	433341.9	-790114	2.7	433324.7	-790012
5 DKK		0	0				
5 BUF		0	0				
5 SLT		0	0				
4	7	2.7	433324.7	-790012	0	433227	-785648
5 SLT		0	0				
5 DKK		0	0				
3 RAGIX		433227	-785648	MEDAV	432919	-784546	
4	1	8.6	433227	-785648	0	432919	-784546
5 SLT		0	0				
5 DKK		0	0				
3 MEDAV		432919	-784546	AHPAH	431819	-780735	
4	1	29.9	432919	-784546	21.1	432604.8	-783426
5 SLT		0	0				
5 DKK		0	0				
4	2	21.1	432604.8	-783426	15	432351.3	-782641
5 SLT		0	0				
5 DKK		0	0				
5 JHW		0	0				
4	3	15	432351.3	-782641	0	431819	-780735
5 BUF		0	0				
5 SYR		0	0				
5 JHW		0	0				
5 DKK		0	0				
5 SLT		0	0				
3 AHPAH		431819	-780735	HANKK	425341.8	-770915	
4	1	49.3	431819	-780735	0.1	425343.8	-770920
5 JHW		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 BUF		0	0				
5 DKK		0	0				
4	2	0.1	425343.8	-770920	0	425341.8	-770915
5 SLT		0	0				
5 BUF		0	0				
5 HNK		0	0				
5 SYR		0	0				
5 DKK		0	0				
3 HANKK		425341.8	-770915	BEEPS	424913.3	-765905	

4	1	8.7	425341.8	-770915	0	424913.3	-765905
5 SLT		0	0				
5 BUF		0	0				
5 HNK		0	0				
5 SYR		0	0				
5 DKK		0	0				
3 BEEPS		424913.3	-765905	EXTOL	423927.7	-763706	
4	1	18.9	424913.3	-765905	0	423927.7	-763706
5 SLT		0	0				
5 HNK		0	0				
5 SYR		0	0				
5 BUF		0	0				
5 DKK		0	0				
3 EXTOL		423927.7	-763706	MEMMS	423059.7	-761815	
4	1	16.3	423927.7	-763706	7.8	423504.8	-762719
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 BUF		0	0				
5 DKK		0	0				
4	2	7.8	423504.8	-762719	4.1	423308.6	-762301
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 DKK		0	0				
4	3	4.1	423308.6	-762301	0	423059.7	-761815
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
3 MEMMS		423059.7	-761815	KODEY	421647.5	-754704	
4	1	27.1	423059.7	-761815	25.3	423001.4	-761606
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
4	2	25.3	423001.4	-761606	25.1	422957.2	-761557
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 ETG		0	0				
4	3	25.1	422957.2	-761557	0	421647.5	-754704
5 HNK		0	0				
5 SYR		0	0				
5 SLT		0	0				
5 ETG		0	0				
5 HUO		0	0				
3 KODEY		421647.5	-754704	ARRKK	420348.5	-751900	
4	1	24.6	421647.5	-754704	8.2	420809	-752820

5 SLT		0	0				
5 SYR		0	0				
5 HUO		0	0				
5 ETG		0	0				
5 SAX		0	0				
4	2	8.2	420809	-752820	0	420348.5	-751900
5 SLT		0	0				
5 SYR		0	0				
5 SAX		0	0				
5 ETG		0	0				
5 HUO		0	0				
3 ARRKK		420348.5	-751900	TOTHH	415225.9	-743549	
4	1	34.2	420348.5	-751900	16.2	415752.6	-745620
5 SLT		0	0				
5 SAX		0	0				
5 SYR		0	0				
5 ETG		0	0				
5 HUO		0	0				
4	2	16.2	415752.6	-745620	15.5	415737.9	-745524
5 HNK		0	0				
5 SAX		0	0				
5 SLT		0	0				
5 HUO		0	0				
5 JFK		0	0				
4	3	15.5	415737.9	-745524	15.2	415731.3	-745459
5 HNK		0	0				
5 SAX		0	0				
4	4	15.2	415731.3	-745459	7.5	415457.6	-744519
5 HNK		0	0				
5 SAX		0	0				
5 HUO		0	0				
4	5	7.5	415457.6	-744519	0.1	415227.2	-743554
5 HNK		0	0				
5 SAX		0	0				
5 HUO		0	0				
5 JFK		0	0				
4	6	0.1	415227.2	-743554	0	415225.9	-743549
5 HUO		0	0				
5 HNK		0	0				
5 SAX		0	0				
5 CCC		0	0				
5 JFK		0	0				
3 TOTHH		415225.9	-743549	YODAA	414321.2	-740153	
4	1	27	415225.9	-743549	0	414321.2	-740153
5 HUO		0	0				
5 HNK		0	0				
5 SAX		0	0				

5 CCC	0	0
5 JFK	0	0

<< ALTS_ON_GRADIENT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15														
YODAA	WP	N 41:43:21.19	W 74:01:52.76						N 41:43.353	W 74:01.879	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
TOTHH	WP	N 41:52:25.85	W 74:35:49.39						N 41:52.431	W 74:35.823	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
ARRKK	WP	N 42:03:48.52	W 75:19:00.41						N 42:03.809	W 75:19.007	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
KODEY	WP	N 42:16:47.53	W 75:47:04.00						N 42:16.792	W 75:47.067	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
MEMMS	WP	N 42:30:59.71	W 76:18:15.43						N 42:30.995	W 76:18.257	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
EXTOL	WP	N 42:39:27.69	W 76:37:06.10						N 42:39.461	W 76:37.102	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
BEEPS	WP	N 42:49:13.26	W 76:59:04.84						N 42:49.221	W 76:59.081	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
HANKK	WP	N 42:53:41.82	W 77:09:15.21						N 42:53.697	W 77:09.253	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
AHPAH	WP	N 43:18:19.00	W 78:07:35.11						N 43:18.317	W 78:07.585	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
MEDAV	WP	N 43:29:19.00	W 78:45:46.00						N 43:29.317	W 78:45.767	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
RAGIX	WP	N 43:32:26.95	W 78:56:47.94						N 43:32.449	W 78:56.799	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
SIKBO	WP	N 43:39:13.00	W 79:20:57.00						N 43:39.217	W 79:20.950	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
PEPLA	WP	N 43:47:50.98	W 80:00:53.56						N 43:47.850	W 80:00.893	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
RUBKI	WP	N 44:14:54.81	W 82:16:08.01						N 44:14.914	W 82:16.133	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										
DAYYY	WP	N 44:10:10.00	W 84:22:23.00						N 44:10.167	W 84:22.383	18000.00	VNAV	240.00	
FLY_BY	DECIDE	TF	-999.00	RNP 2										

// YODAA: CCC HTO HUO HNK RBV SAX JFK PVD
// TOTHH: CCC HUO HNK ETG SLT SAX SYR JFK
// ARRKK: HUO HNK ETG SLT SAX SYR
// KODEY: HUO HNK ETG SLT SAX SYR
// MEMMS: BUF HNK DKK SLT SYR
// EXTOL: BUF HNK DKK SLT SYR
// BEEPS: BUF HNK DKK SLT SYR
// HANKK: BUF HNK DKK JHW SLT SYR
// AHPAH: BUF DKK JHW SLT SYR
// MEDAV: DKK SLT
// RAGIX: BUF DKK JHW SLT SYR
// SIKBO: BUF DKK JHW SYR ASP
// PEPLA: BUF DKK ECK FNT ASP
// RUBKI : JXN ECK CRL VIO FNT ASP
// DAYYY: