

DME DME Assessment Results for Q476 path JHW_NWTON

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Gale A-CTR Shelton
Project File:	C:\Users\Gale A-CTR Shelton\Desktop\Q476 PROJECT\Q476_JHW VDME, NY TO NWTON, NJ_3-21-24\Q476_JHW VDME, NY TO NWTON, NJ_DATA\Q476 NEW.tgs
Output File:	C:\Users\Gale A-CTR Shelton\Desktop\rework\Q476 20230926_0819 CDT\JHW_NWTON\Q476 RNAV ROUTE JHW NWTON 20230926_0819 CDT.pdf
Procedure Name:	Q476
Software: DmeDmePlugin:	7.1.1
Date/Time:	09/26/2023 08:19 CDT
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
JHW	WP	N42° 11' 18.9850", W079° 07' 16.7075"	18000	VNAV	240	FLY_BY	TF
WLKES	WP	N41° 16' 22.5700", W075° 41' 21.6000"	18000	VNAV	240	FLY_BY	TF
NWTON	WP	N40° 59' 45.1900", W074° 52' 09.2100"	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 Q476 path JHW_NWTON

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:	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	SLT	N41° 30' 45.9340", W077° 58' 12.3950"	8.0 W	130	H	IFPA	NO	Enabled	66.6 %	66.6 %
2	HNK	N42° 03' 47.0050", W075° 18' 58.6240"	11.0 W	130	H	IFPA	NO	Enabled	56.2 %	56.2 %
3	HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	H	IFPA	NO	Enabled	45.6 %	45.6 %
4	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled	42.9 %	42.9 %
5	RBV	N40° 12' 08.6475", W074° 29' 42.0940"	10.0 W	130	H	IFPA	NO	Enabled	28.6 %	28.6 %
6	CYN	N39° 49' 02.4165", W074° 25' 53.8526"	10.0 W	130	H	IFPA	NO	Enabled	15.9 %	15.9 %
7	DKK	N42° 29' 25.4400", W079° 16' 26.7700"	-0.0 E	130	H	IFPA	NO	Enabled	42.2 %	42.2 %
8	JHW	N42° 11' 18.9850", W079° 07' 16.7075"	7.0 W	130	H	IFPA	NO	Enabled	47.5 %	47.5 %
9	BUF	N42° 55' 44.3694", W078° 38' 46.8581"	0.0 E	130	H	IFPA	NO	Enabled	44.4 %	44.4 %
10	EWC	N40° 49' 29.7576", W080° 12' 41.5640"	8.0 W	130	H	IFPA	NO	Enabled	7.7 %	7.7 %
11	PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	H	IFPA	NO	Enabled	71.7 %	71.7 %
12	ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	H	IFPA	NO	Enabled	56.9 %	56.9 %
13	CCC	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	H	IFPA	NO	Enabled	2.4 %	2.4 %
14	SYR	N43° 09' 37.8684", W076° 12' 16.4106"	11.0 W	130	H	IFPA	NO	Enabled	2.6 %	2.6 %
15	JFK	N40° 37' 58.3816", W073° 46' 17.0103"	12.0 W	130	H	IFPA	NO	Enabled	22.2 %	22.2 %

DME DME Assessment Results for Q476 path JHW_NWTON

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SLT	BUF	ETG	EWC	PSB	DKK
15.7	JHW	BUF	SLT	DKK	ETG	PSB
16.2	JHW	BUF	SLT	DKK	ETG	
16.8	JHW	BUF	SLT	DKK		
17.0	JHW	BUF	SLT	DKK	PSB	
25.9	JHW	BUF	ETG	PSB	DKK	
86.3	JHW	PSB	BUF	ETG	SLT	HNK
90.9	JHW	PSB	ETG	SLT	HNK	
100.3	SLT	PSB				
110.3						
111.1	HUO	PSB				
111.7	SLT	SYR	HUO	ETG	HNK	PSB
117.1	SAX	PSB	HNK	HUO		
126.9	HNK	SAX	SLT	PSB	HUO	
141.0	HNK	SAX	SLT	HUO	ETG	
150.1	HNK	SAX	RBV	HUO	SLT	PSB
153.3	HNK	SAX	RBV	HUO	SLT	
158.9	HNK	SAX	HUO	JFK	RBV	

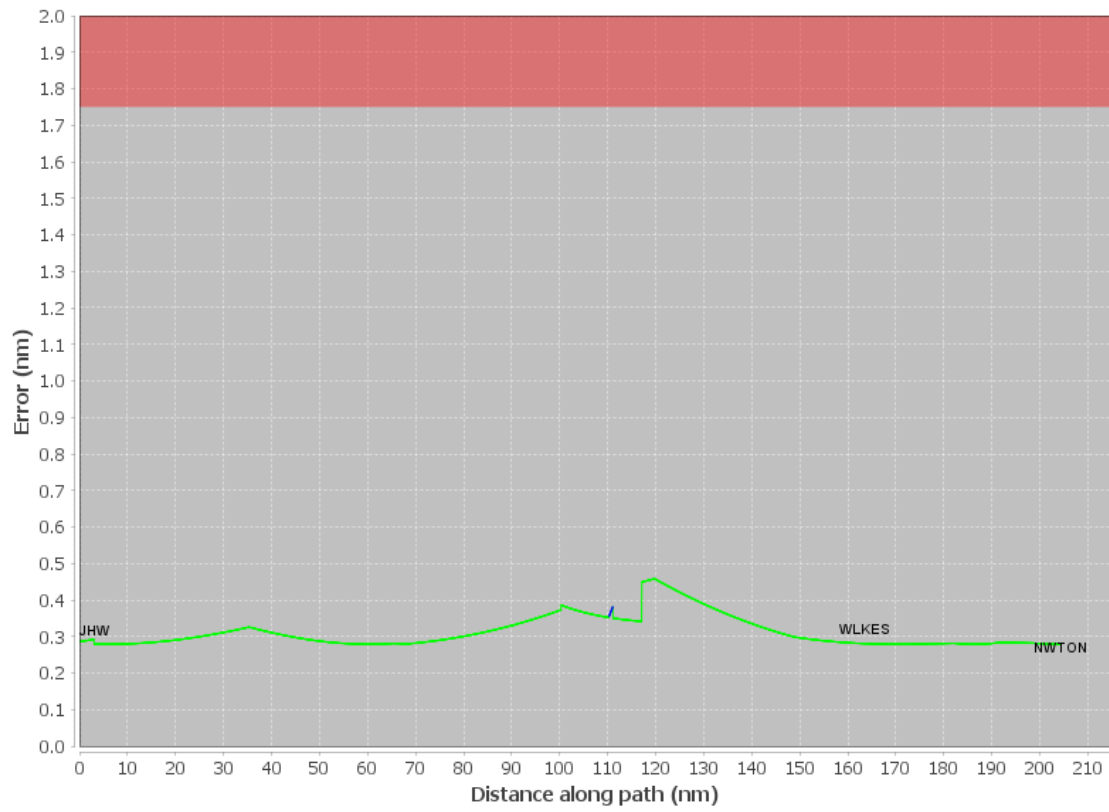
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 34' 58.5796", W076° 47' 54.0433"	N41° 34' 40.7758", W076° 46' 48.9446"	0.8666

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
JHW	WLKES	HUO, HNK, DKK, RBV, SAX, SYR, JFK, EWC, BUF, JHW, ETG, SLT, PSB	
WLKES	NWTON	CCC, HUO, HNK, RBV, CYN, SAX, JFK	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for Q476 path JHW_NWTON

DME Error



DME DME Assessment Results for Q476 path NWTON_JHW

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DME/DME:	Completed - No Critical DMEs
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Failures

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Warnings

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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
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Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for Q476 path NWTN_JHW

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
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7	DKK	N42° 29' 25.4400", W079° 16' 26.7700"	-0.0 E	130	H	IFPA	NO	Enabled	42.2 %	42.2 %
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11	PSB	N40° 54' 58.5320", W077° 59' 33.7810"	10.0 W	130	H	IFPA	NO	Enabled	71.7 %	71.7 %
12	ETG	N41° 12' 53.8190", W078° 08' 33.9230"	10.0 W	130	H	IFPA	NO	Enabled	56.9 %	56.9 %
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14	SYR	N43° 09' 37.8684", W076° 12' 16.4106"	11.0 W	130	H	IFPA	NO	Enabled	2.6 %	2.6 %
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DME DME Assessment Results for Q476 path NWTN_JHW

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HNK	SAX	HUO	JFK	RBV	
4.7	HNK	SAX	HUO	JFK	RBV	
10.3	HNK	SAX	RBV	HUO	SLT	
13.6	HNK	SAX	RBV	HUO	SLT	PSB
22.7	HNK	SAX	SLT	HUO	ETG	
36.8	HNK	SAX	SLT	PSB	HUO	
46.5	SAX	PSB	HNK	HUO		
52.0	SLT	SYR	HUO	ETG	HNK	PSB
52.5	HUO	PSB				
53.4						
63.4	SLT	PSB				
72.8	JHW	PSB	ETG	SLT	HNK	
77.4	JHW	PSB	BUF	ETG	SLT	HNK
137.7	JHW	BUF	ETG	PSB	DKK	
146.7	JHW	BUF	SLT	DKK	PSB	
146.9	JHW	BUF	SLT	DKK		
147.5	JHW	BUF	SLT	DKK	ETG	
147.9	JHW	BUF	SLT	DKK	ETG	PSB
163.7	SLT	BUF	ETG	EWC	PSB	DKK

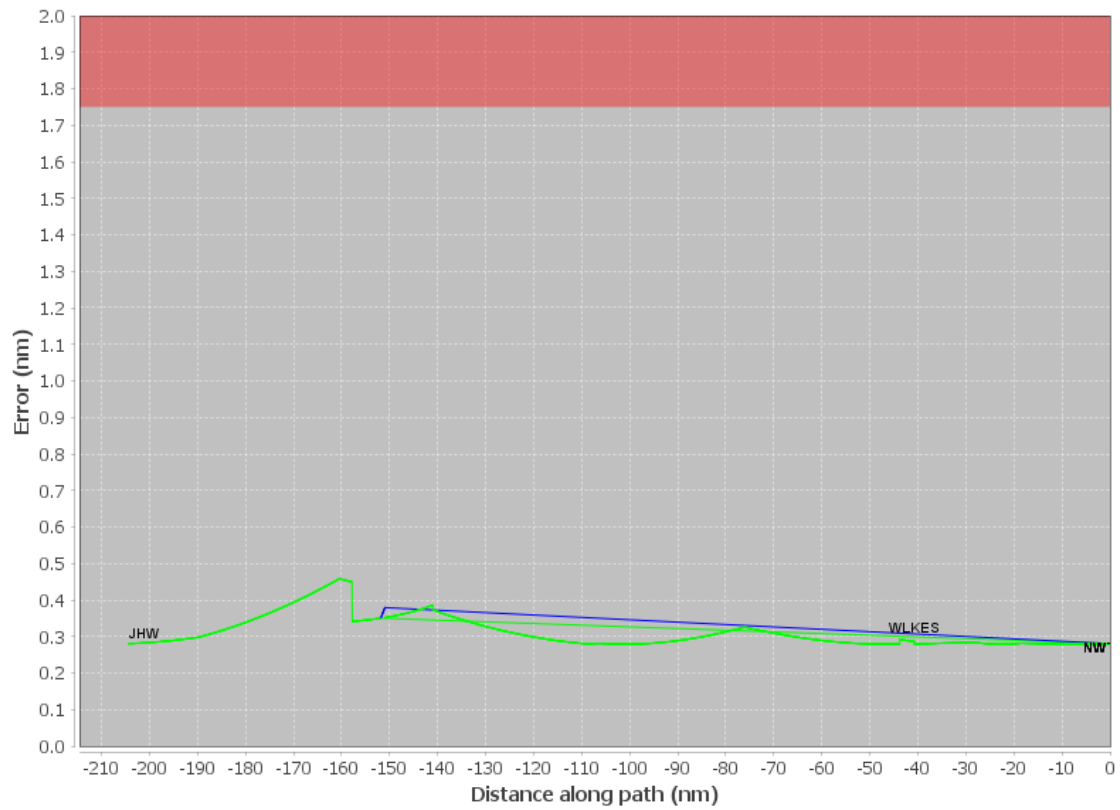
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
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Waypoint Before	Waypoint After	DME List	Suggested DMEs
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WLKES	JHW	HUO, HNK, DKK, RBV, SAX, SYR, JFK, EWC, BUF, JHW, ETG, SLT, PSB	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for Q476 path NWTON_JHW

DME Error



DME ESVs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								