

DME DME Assessment Results for Q232 path NEION_STUBN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Steven S-CTR Rager
Project File:	C:\Group 10\Rework\23-AEA-10 ... (5-16-2024)\Q232\Q232 DME 230927yr.tgs
Output File:	C:\Group 10\Rework\23-AEA-10 ... (5-16-2024)\Q232\Q232 20230927_1326 EDT\NEION_STUBN\Q232 RNAV ROUTE NEION STUBN 20230927_1326 EDT.pdf
Procedure Name:	Q232
Software: DmeDmePlugin:	7.1.1
Date/Time:	09/27/2023 13:26 EDT
Databases:	DTED 0

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
NEION	WP	N41° 13' 41.21", W074° 34' 50.78"	18000	VNAV	240	FLY_BY	TF
HOPCE	WP	N41° 18' 42.65", W074° 43' 00.70"	18000	VNAV	240	FLY_BY	TF
CORDS	WP	N41° 34' 11.04", W075° 08' 23.50"	18000	VNAV	240	FLY_BY	TF
DARBO	WP	N41° 48' 01.16", W075° 57' 03.98"	18000	VNAV	240	FLY_BY	TF
STUBN	WP	N42° 05' 38.58", W077° 01' 28.68"	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 Q232 path NEION_STUBN

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	HNK	N42° 03' 47.01", W075° 18' 58.62"	11.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
2	SLT	N41° 30' 45.93", W077° 58' 12.40"	8.0 W	130	H	IFPA	NO	Enabled	47.2 %	47.2 %
3	HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	H	IFPA	NO	Enabled	86.5 %	86.5 %
4	SAX	N41° 04' 03.15", W074° 32' 17.91"	11.0 W	130	H	IFPA	NO	Enabled	66.5 %	66.5 %
5	RBV	N40° 12' 08.65", W074° 29' 42.09"	10.0 W	130	H	IFPA	NO	Enabled	38.3 %	38.3 %
6	CYN	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	H	IFPA	NO	Enabled	13.8 %	13.8 %
7	JHW	N42° 11' 18.99", W079° 07' 16.71"	7.0 W	130	H	IFPA	NO	Enabled	4.6 %	4.6 %
8	BUF	N42° 55' 44.37", W078° 38' 46.86"	0.0 E	130	H	IFPA	NO	Enabled	9.7 %	9.7 %
9	PSB	N40° 54' 58.53", W077° 59' 33.78"	10.0 W	130	H	IFPA	NO	Enabled	28.6 %	28.6 %
10	ETG	N41° 12' 53.82", W078° 08' 33.92"	10.0 W	130	H	IFPA	NO	Enabled	33.7 %	33.7 %
11	CCC	N40° 55' 46.63", W072° 47' 55.89"	13.0 W	130	H	IFPA	NO	Enabled	14.2 %	14.2 %
12	SYR	N43° 09' 37.87", W076° 12' 16.41"	11.0 W	130	H	IFPA	NO	Enabled	62.3 %	62.3 %
13	JFK	N40° 37' 58.38", W073° 46' 17.01"	12.0 W	130	H	IFPA	NO	Enabled	31.2 %	31.2 %

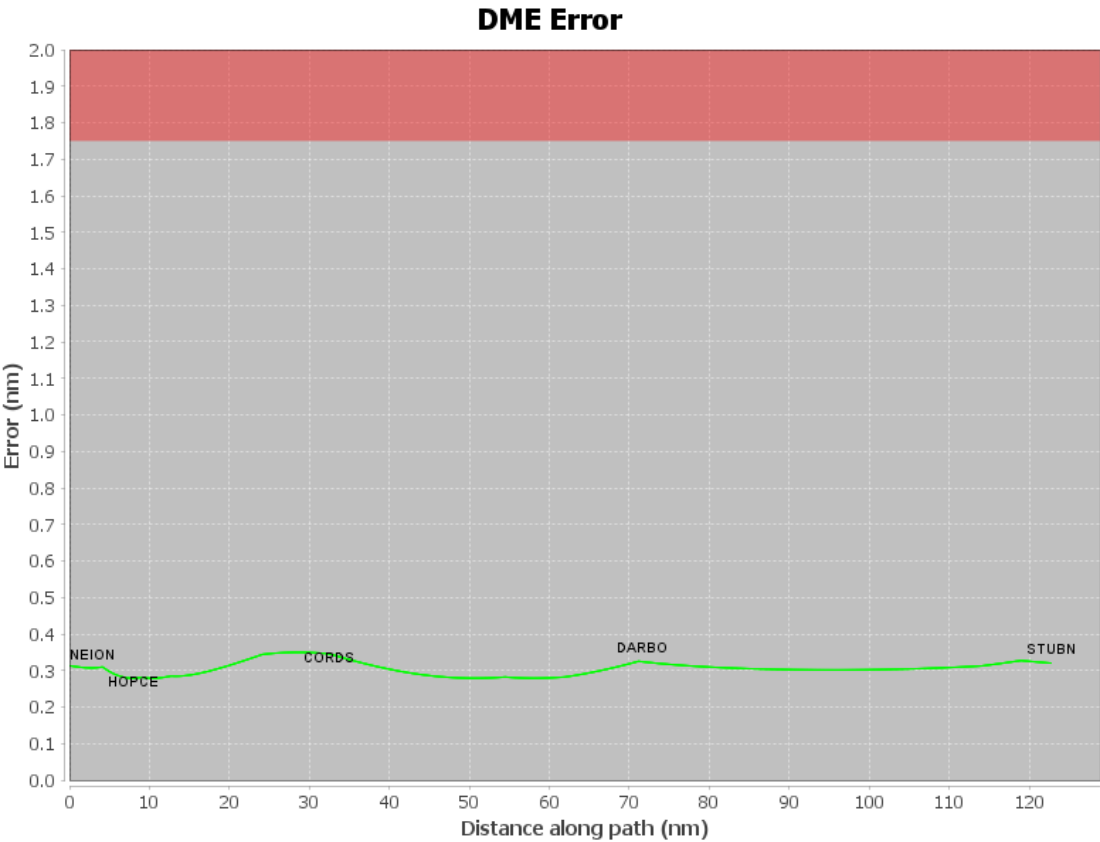
DME DME Assessment Results for Q232 path NEION_STUBN

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HUO	CCC	RBV	SAX	CYN	JFK
17.0	HUO	RBV	HNK	SAX	CCC	JFK
17.5	HUO	RBV	HNK	SAX	JFK	
24.7	HNK	HUO	RBV	SAX		
25.5	HNK	HUO	RBV			
34.9	HNK	HUO	RBV	JFK		
37.8	HNK	HUO	RBV	SAX	JFK	
47.1	HNK	HUO	SAX	JFK	SYR	
48.6	HNK	HUO	SAX	SYR		
64.8	HNK	SAX	HUO	SYR	SLT	
94.0	HNK	SYR	HUO	SLT	PSB	ETG
106.2	HNK	SYR	SLT	PSB	ETG	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
NEION	HOPCE	CCC, HUO, HNK, RBV, CYN, SAX, JFK	
HOPCE	CORDS	CCC, HUO, HNK, RBV, CYN, SAX, JFK	
CORDS	DARBO	HUO, HNK, RBV, SLT, SAX, SYR, JFK	
DARBO	STUBN	BUF, HUO, HNK, JHW, ETG, SLT, SAX, SYR, 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 Q232 path NEION_STUBN

Graphic Depiction 1



DME DME Assessment Results for Q232 path STUBN_NEION

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Steven S-CTR Rager
Project File:	C:\Group 10\Rework\23-AEA-10 ... (5-16-2024)\Q232\Q232 DME 230927yr.tgs
Output File:	C:\Group 10\Rework\23-AEA-10 ... (5-16-2024)\Q232\Q232 20230927_1326 EDT\STUBN_NEION\Q232 RNAV ROUTE STUBN NEION 20230927_1326 EDT.pdf
Procedure Name:	Q232
Software: DmeDmePlugin:	7.1.1
Date/Time:	09/27/2023 13:26 EDT
Databases:	DTED 0

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
STUBN	WP	N42° 05' 38.58", W077° 01' 28.68"	18000	VNAV	240	FLY_BY	TF
DARBO	WP	N41° 48' 01.16", W075° 57' 03.98"	18000	VNAV	240	FLY_BY	TF
CORDS	WP	N41° 34' 11.04", W075° 08' 23.50"	18000	VNAV	240	FLY_BY	TF
HOPCE	WP	N41° 18' 42.65", W074° 43' 00.70"	18000	VNAV	240	FLY_BY	TF
NEION	WP	N41° 13' 41.21", W074° 34' 50.78"	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 Q232 path STUBN_NEION

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	HNK	N42° 03' 47.01", W075° 18' 58.62"	11.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
2	SLT	N41° 30' 45.93", W077° 58' 12.40"	8.0 W	130	H	IFPA	NO	Enabled	47.2 %	47.2 %
3	HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	H	IFPA	NO	Enabled	86.5 %	86.5 %
4	SAX	N41° 04' 03.15", W074° 32' 17.91"	11.0 W	130	H	IFPA	NO	Enabled	66.5 %	66.5 %
5	RBV	N40° 12' 08.65", W074° 29' 42.09"	10.0 W	130	H	IFPA	NO	Enabled	38.3 %	38.3 %
6	CYN	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	H	IFPA	NO	Enabled	13.8 %	13.8 %
7	JHW	N42° 11' 18.99", W079° 07' 16.71"	7.0 W	130	H	IFPA	NO	Enabled	4.6 %	4.6 %
8	BUF	N42° 55' 44.37", W078° 38' 46.86"	0.0 E	130	H	IFPA	NO	Enabled	9.7 %	9.7 %
9	PSB	N40° 54' 58.53", W077° 59' 33.78"	10.0 W	130	H	IFPA	NO	Enabled	28.6 %	28.6 %
10	ETG	N41° 12' 53.82", W078° 08' 33.92"	10.0 W	130	H	IFPA	NO	Enabled	33.7 %	33.7 %
11	CCC	N40° 55' 46.63", W072° 47' 55.89"	13.0 W	130	H	IFPA	NO	Enabled	14.2 %	14.2 %
12	SYR	N43° 09' 37.87", W076° 12' 16.41"	11.0 W	130	H	IFPA	NO	Enabled	62.3 %	62.3 %
13	JFK	N40° 37' 58.38", W073° 46' 17.01"	12.0 W	130	H	IFPA	NO	Enabled	31.2 %	31.2 %

DME DME Assessment Results for Q232 path STUBN_NEION

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	BUF	SYR	ETG	SLT	PSB	HNK
11.9	HNK	SYR	PSB	SLT	ETG	
35.2	HNK	SYR	SLT	HUO	ETG	SAX
41.5	HNK	SYR	SLT	HUO	SAX	
58.0	HNK	SAX	HUO	SYR		
74.2	HNK	HUO	SAX	JFK	SYR	
76.5	HNK	HUO	SAX	JFK	RBV	
85.0	HNK	HUO	RBV	JFK		
87.9	HNK	HUO	RBV			
97.3	HNK	HUO	RBV	SAX		
98.1	HNK	HUO	RBV	SAX	JFK	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
---	----------------	--------------	-------------

Available DMEs by Waypoints

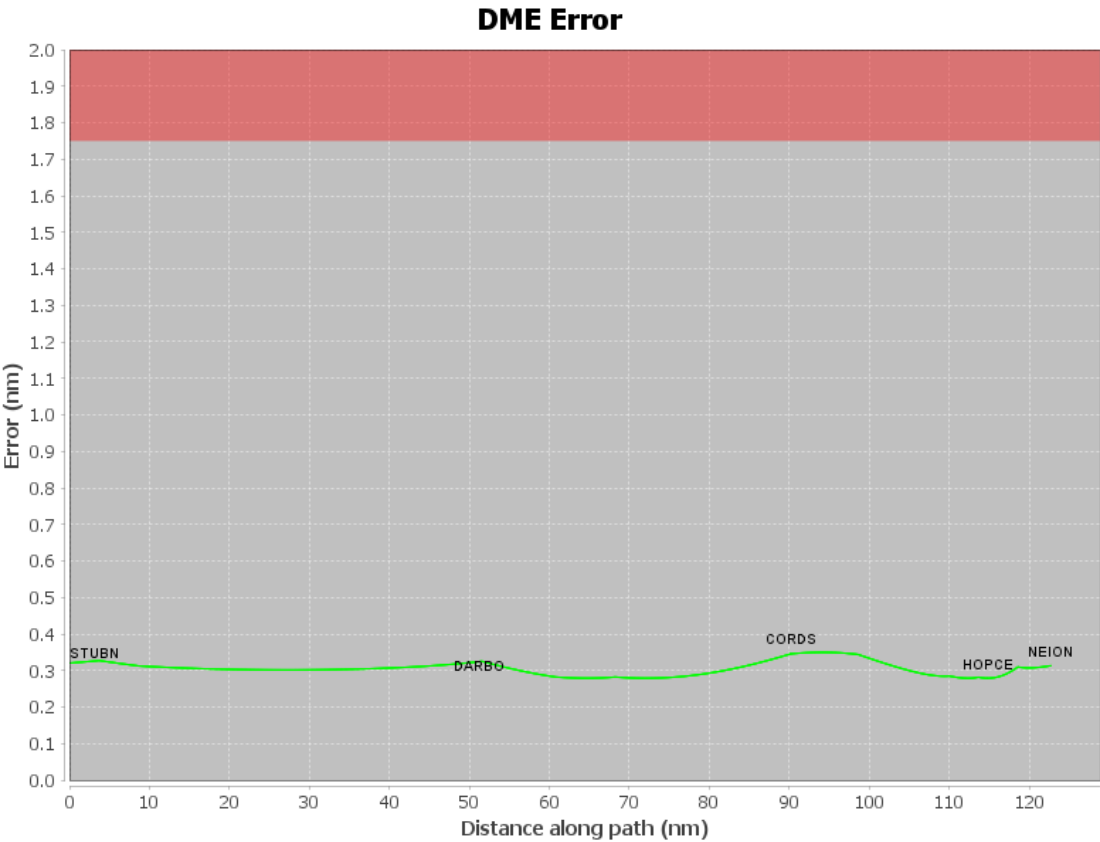
Waypoint Before	Waypoint After	DME List	Suggested DMEs
STUBN	DARBO	BUF, HUO, HNK, JHW, ETG, SLT, SAX, SYR, PSB	
DARBO	CORDS	HUO, HNK, RBV, SLT, SAX, SYR, JFK	
CORDS	HOPCE	CCC, HUO, HNK, RBV, CYN, SAX, JFK	
HOPCE	NEION	CCC, HUO, HNK, RBV, CYN, SAX, JFK	

User Data Files

#	File Name
None	

User DMEs

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



DME DME Assessment Results for Q232 path STUBN_NEION

Graphic Depiction 1

