

DME DME Assessment Results for Q141 path HOUKY_GNARO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Olivia C-CTR Monroe
Project File:	C:\Users\Olivia C-CTR Monroe\RNAV PROJECTS TGS FILES & DOCS\Current Projects\NEC ACR POST impl\Docket 22.AEA.5 pub date 02.23.2023\Q141\Q141 DME 20220511\Q141 DME 2205011 .tgs
Output File:	C:\Users\Olivia C-CTR Monroe\Desktop\Q141 20220615_0649 EDT\HOUKY_GNARO\Q141 RNAV ROUTE HOUKY GNARO 20220615_0649 EDT.pdf
Procedure Name:	Q141
Software: DmeDmePlugin:	6.5.0
Date/Time:	06/15/2022 06:49 EDT
Databases:	DTED0 MAX

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
HOUKY	WP	N37° 19' 55.98", W077° 07' 57.63"	18000	VNAV	240	FLY_BY	TF
TAPPA	WP	N37° 58' 12.66", W076° 50' 40.62"	18000	VNAV	240	FLY_BY	TF
HYTRA	WP	N38° 17' 31.91", W076° 24' 49.80"	18000	VNAV	240	FLY_BY	TF
BLNTN	WP	N38° 44' 10.33", W075° 59' 02.69"	18000	VNAV	240	FLY_BY	TF
NALES	WP	N38° 53' 35.20", W075° 38' 11.13"	18000	VNAV	240	FLY_BY	TF
GNARO	WP	N39° 05' 20.33", W075° 22' 14.81"	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

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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:	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 (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	RIC	N37° 30' 08.47", W077° 19' 12.97"	9.0 W	130	H	IFPA	NO	Enabled	75 %	75 %
2	FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	H	IFPA	NO	Enabled	63.2 %	63.2 %
3	RBV	N40° 12' 08.65", W074° 29' 42.09"	10.0 W	130	H	IFPA	NO	Enabled	15.2 %	15.2 %
4	CYN	N39° 49' 02.42", W074° 25' 53.85"	10.0 W	130	H	IFPA	NO	Enabled	27.7 %	27.6 %
5	CSN	N38° 38' 28.33", W077° 51' 55.80"	6.0 W	130	H	IFPA	NO	Enabled	82 %	82 %
6	ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	H	IFPA	NO	Enabled	62 %	62 %
7	RDU	N35° 52' 21.08", W078° 47' 00.03"	9.0 W	130	H	IFPA	NO	Enabled	5.1 %	5.1 %
8	GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	H	IFPA	NO	Enabled	58.4 %	58.4 %
9	EMI	N39° 29' 42.03", W076° 58' 42.86"	8.0 W	130	H	IFPA	NO	Enabled	75.8 %	75.8 %
10	SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	H	IFPA	NO	Enabled	57.3 %	57.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	RDU	GVE	RIC	ORF	FAK	CSN
7.1	FAK	CSN	RIC	ORF		
12.9	RIC	CSN	FAK	ORF	GVE	
85.7	EMI	SIE	RIC	FAK	GVE	CSN
86.5	EMI	SIE	RIC	FAK	CSN	
87.3	EMI	SIE	RIC	CSN		
99.9	EMI	SIE	RIC	CYN	CSN	
103.6	EMI	SIE	CYN	CSN		
113.2	CYN	EMI	SIE			
117.0	CYN	EMI	RBV	SIE		

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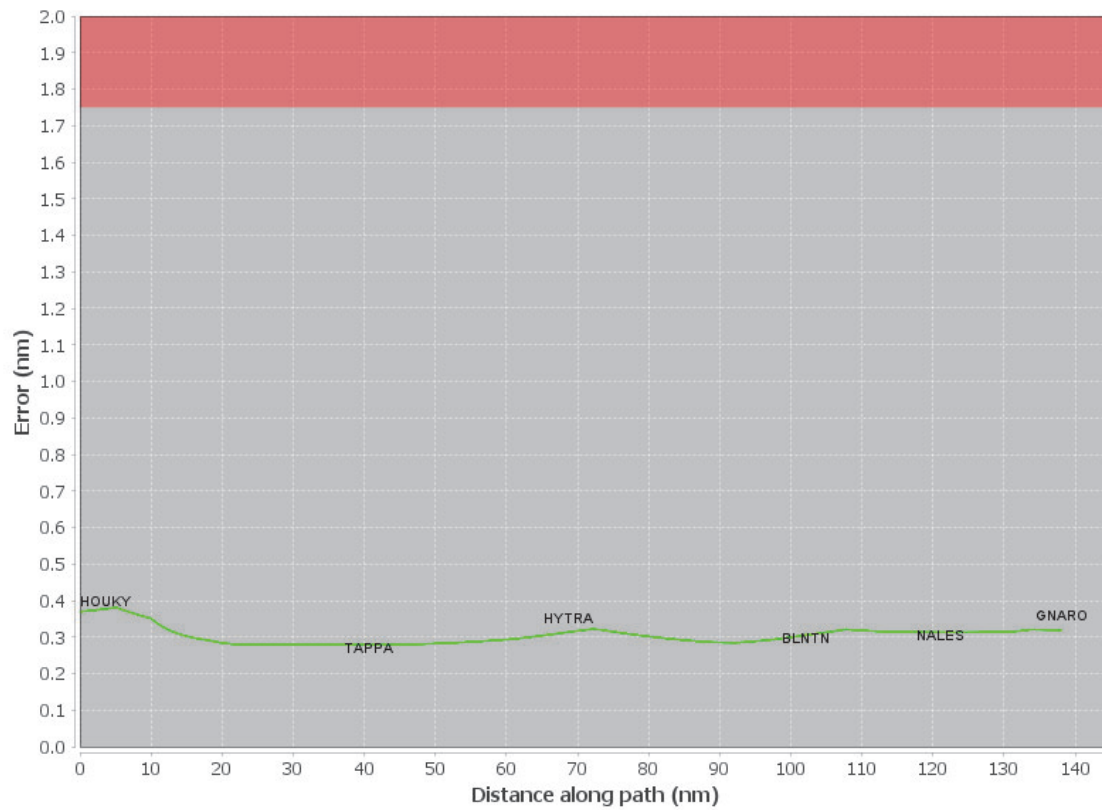
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HOUKY	TAPPA	EMI, FAK, ORF, RDU, GVE, RIC, CSN	
TAPPA	HYTRA	EMI, FAK, ORF, GVE, RIC, SIE, CSN	
HYTRA	BLNTN	EMI, FAK, ORF, GVE, CYN, RIC, SIE, CSN	
BLNTN	NALES	EMI, RBV, CYN, RIC, SIE, CSN	
NALES	GNARO	EMI, RBV, CYN, SIE	

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RDU FAA 694151-028 RDU [IFPA]	N35° 52' 21.08", W078° 47' 00.03"	9.0 W	130	429.2	117.2	RDU FAA 694151-028	
ESV:		Bearing [True]: 26.0 to 226.0 Bearing [Mag]: 35.0 to 235.0				Arc Distance: Out to 150.0 NM Altitude: 18000.0 to 45000.0 ft		

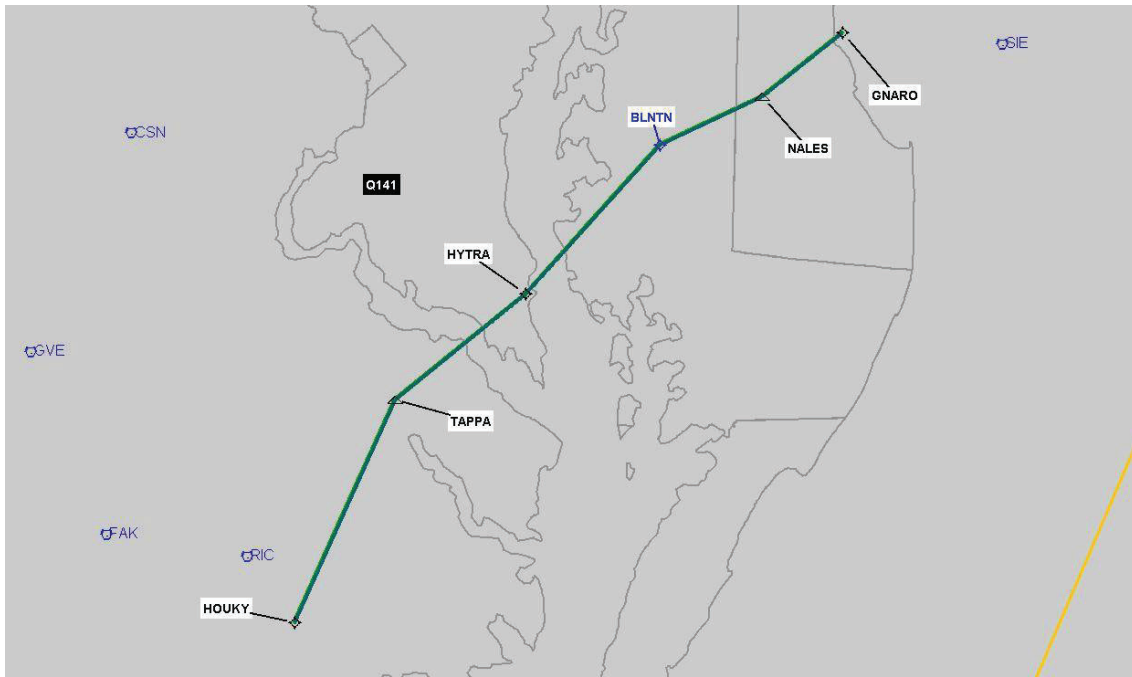
DME DME Assessment Results for Q141 path HOUKY_GNARO

DME Error



DME DME Assessment Results for Q141 path HOUKY_GNARO

Graphic Depiction 1



DME DME Assessment Results for Q141 path GNARO_HOUKY

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Distance [NM]	Selected DMEs					Alternate
0.0	CYN	EMI	RBV	SIE		
3.9	CYN	EMI	RBV	SIE		
7.7	CYN	EMI	SIE			
17.4	EMI	SIE	CYN	CSN		
18.8	EMI	SIE	CYN	RIC	CSN	
21.1	EMI	SIE	RIC	CYN	CSN	
33.7	EMI	SIE	RIC	CSN		
34.5	EMI	SIE	RIC	FAK	CSN	
35.3	EMI	SIE	RIC	FAK	GVE	CSN
52.3	RIC	CSN	GVE	EMI	FAK	ORF
80.3	RIC	CSN	FAK	ORF	GVE	EMI
108.0	RIC	CSN	FAK	ORF	GVE	
113.8	FAK	CSN	RIC	ORF		
121.0	RDU	GVE	RIC	ORF	FAK	CSN

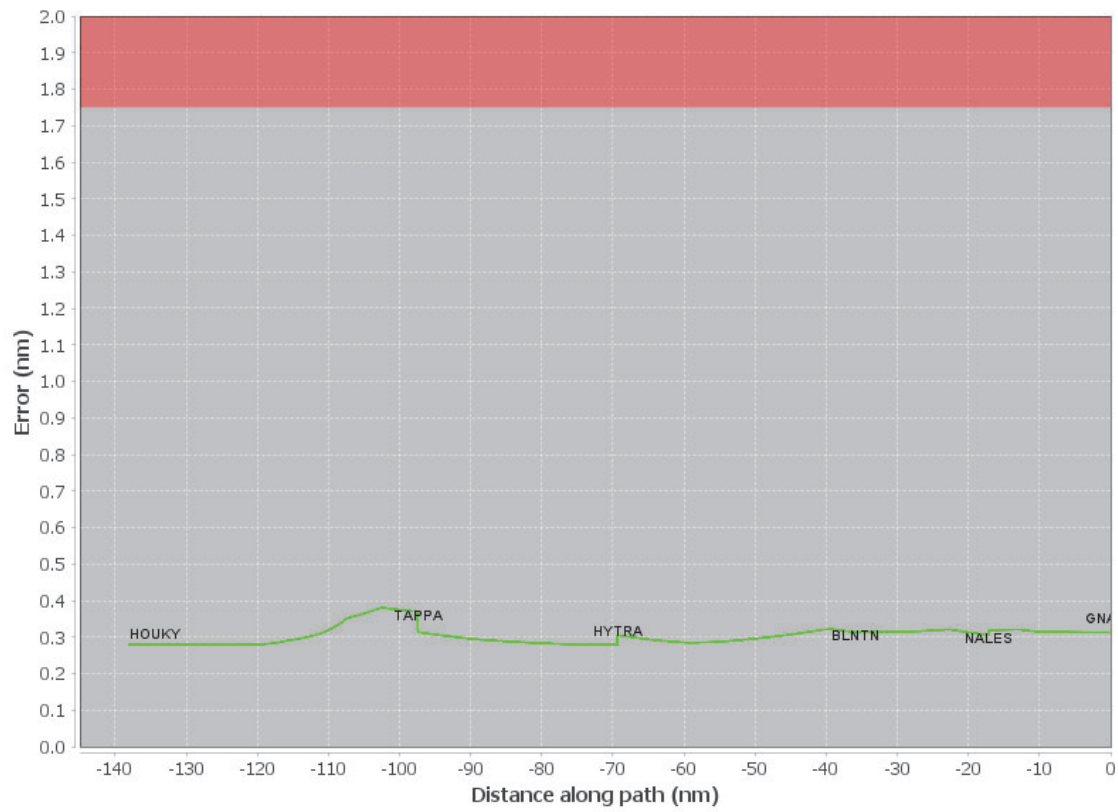
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BLNTN	HYTRA	EMI, FAK, ORF, GVE, CYN, RIC, SIE, CSN	
HYTRA	TAPPA	EMI, FAK, ORF, GVE, RIC, SIE, CSN	
TAPPA	HOUKY	EMI, FAK, ORF, RDU, GVE, RIC, CSN	

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DME Error



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Graphic Depiction 1

