

DME DME Assessment Results for Q-143 path WINEN_BROPH

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Martha J-CTR Dunn
Project File:	C:\Users\Martha J-CTR Dunn\Documents\Q-143 NPRM 10-31-2023\Q-143 1-25-2023 (KC Edit).tgs
Output File:	C:\Users\Martha J-CTR Dunn\Documents\Q-143 NPRM 10-31-2023\Q-143 paperwork\Q-143 20231206_1128 EST\WINEN_BROPH\Q-143 RNAV ROUTE WINEN BROPH 20231206_1128 EST.pdf
Procedure Name:	Q-143
Software: DmeDmePlugin:	7.2.1
Date/Time:	12/06/2023 11:28 EST
Databases:	MITRE 3 sec

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
WINEN	WP	N37° 56' 00.0000", W113° 30' 00.0000"	18000	VNAV	240	FLY_BY	TF
LNNKA	WP	N38° 43' 13.6200", W114° 17' 45.8600"	18000	VNAV	240	FLY_BY	TF
TESSA_	WP	N39° 39' 15.0400", W115° 16' 15.9700"	22000	VNAV	240	FLY_BY	TF
RUBII	WP	N40° 27' 03.5800", W115° 16' 15.9700"	22000	VNAV	240	FLY_BY	TF
CLEIN	WP	N41° 53' 37.3600", W114° 52' 51.9600"	22000	VNAV	240	FLY_BY	TF
BROPH	WP	N42° 43' 15.7100", W114° 52' 31.8000"	20000	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:	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 (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CNT	N38° 40' 06.0000", W115° 35' 56.0000"	0.0 E	130	DH	IFPA	NO	Enabled	28.6 %	28.6 %
2	MLD	N42° 11' 59.6410", W112° 27' 04.4460"	17.0 E	130	DH	IFPA	NO	Enabled	26.4 %	26.4 %
3	BOI	N43° 33' 10.1211", W116° 11' 31.6522"	17.0 E	130	H	IFPA	NO	Enabled	14.7 %	14.7 %
4	PIH	N42° 52' 13.3843", W112° 39' 08.0266"	17.0 E	130	H	IFPA	NO	Enabled	2.3 %	2.3 %
5	LCU	N41° 21' 46.6260", W113° 50' 26.2300"	17.0 E	130	H	IFPA	NO	Enabled	34.7 %	34.8 %
6	BVL	N40° 43' 33.9510", W113° 45' 26.7020"	12.0 E	130	H	IFPA	NO	Enabled	40.5 %	40.5 %
7	LWL	N41° 08' 41.2900", W114° 58' 39.0400"	17.0 E	130	DH	IFPA	NO	Enabled	15.7 %	15.7 %
8	BCE	N37° 41' 21.0748", W112° 18' 14.0262"	15.0 E	130	H	IFPA	NO	Enabled	18.7 %	18.7 %
9	TWF	N42° 28' 47.4612", W114° 29' 22.0498"	18.0 E	130	H	IFPA	NO	Enabled	34.8 %	34.8 %
10	ILC	N38° 15' 00.6940", W114° 23' 39.2150"	16.0 E	130	H	IFPA	NO	Enabled	19.5 %	19.5 %
11	EHK	N37° 47' 14.3987", W113° 04' 05.6500"	16.0 E	130	DH	IFPA	NO	Enabled	34.5 %	34.5 %
12	ELY	N39° 17' 53.2532", W114° 50' 53.8972"	14.0 E	130	H	IFPA	NO	Enabled	6.5 %	6.5 %
13	BAM	N40° 34' 08.6902", W116° 55' 20.1226"	13.0 E	130	H	IFPA	NO	Enabled	15.3 %	15.3 %
14	DTA	N39° 18' 08.1438", W112° 30' 20.0138"	16.0 E	130	H	IFPA	NO	Enabled	23.8 %	23.8 %
15	MLF	N38° 21' 37.2800", W113° 00' 47.6380"	16.0 E	130	H	IFPA	NO	Enabled	5.9 %	5.9 %
16	LMX	N37° 21' 44.4230", W115° 11' 35.0100"	0.0 E	130	DH	IFPA	NO	Enabled	10.7 %	10.7 %

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Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	EHK	MLF	BCE	DTA		
10.1	EHK	MLF	DTA	BCE	ILC	
18.9	DTA	EHK	BCE	ILC		
59.5	ILC	EHK	DTA			
66.9	DTA	ILC	EHK	LMX		
72.3	EHK	LMX	DTA			
75.8	EHK	CNT	LMX			
83.6	CNT	ELY	EHK	LMX		
84.3	CNT	ELY	EHK	LWL	LMX	
99.6	EHK	CNT	LWL	LMX		
100.0	EHK	CNT	LWL	LMX	ELY	
100.8	EHK	LMX	ELY	LWL		
100.9	EHK	ELY	LWL			
101.0	EHK	LWL				
106.0	BVL	ELY	LWL	EHK		
106.4	EHK	LWL				
109.8						
117.2	LWL	ELY				
118.5						
121.2	BVL	LWL				
126.4	BVL	ELY	LWL			
128.9	BVL	LWL				
132.2	BVL	LWL	CNT			
132.5						
136.0	BVL	CNT				
157.4	CNT	BAM	BVL			
165.1	BVL	CNT				
165.6	CNT	BAM	BVL			
199.4	BVL	CNT				
201.9						
204.1	LCU	BVL				
207.5	BVL	TWF	LCU			
214.9	BVL	LWL	TWF	LCU		
220.2	BVL	TWF	LCU			
222.6	BVL	TWF	LCU	BAM		
223.9	BVL	TWF	LCU			
224.7	BVL	TWF	LCU	BAM		
226.6	BVL	TWF	LCU	LWL	BAM	
230.7	LCU	LWL	BVL	TWF		
233.7	BVL	TWF	LCU			
234.3	BVL	TWF	LCU	MLD		
252.5	LCU	TWF	BVL	MLD	BOI	
255.7	LCU	TWF	BOI	MLD		
270.8	LCU	TWF	MLD			
273.3	TWF	MLD				
276.8	LCU	TWF	MLD			
289.4	LCU	TWF	BOI	MLD		
310.7	LCU	PIH	BOI	MLD	TWF	

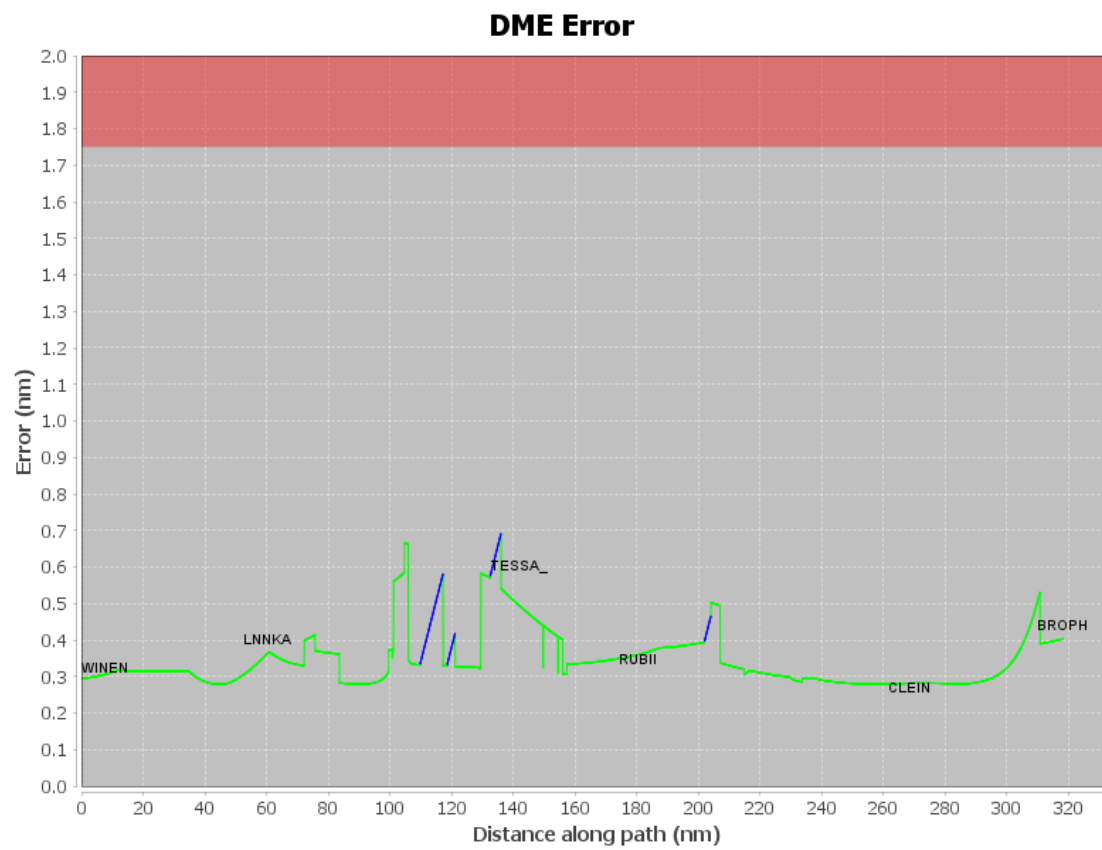
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Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 21' 42.0058", W114° 57' 42.9375"	N39° 27' 29.2201", W115° 03' 48.5535"	7.4656
2	N39° 28' 28.0902", W115° 04' 50.6778"	N39° 30' 31.9967", W115° 07' 01.5607"	2.6663
3	N39° 39' 15.0400", W115° 16' 15.9700"	N39° 42' 51.0944", W115° 16' 15.9700"	3.5979
4	N40° 48' 22.0043", W115° 10' 36.1997"	N40° 50' 27.4745", W115° 10' 02.6531"	2.1325

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
WINEN	LNNKA	DTA, ILC, BCE, MLF, EHK	
LNNKA	TESSA_	DTA, LWL, ILC, ELY, LMX, CNT, EHK, BVL	
TESSA_	RUBII	CNT, BVL, BAM	
RUBII	CLEIN	LWL, TWF, MLD, CNT, BVL, BOI, BAM, LCU	
CLEIN	BROPH	TWF, MLD, BOI, PIH, LCU	

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PIH PIH [IFPA]	N42° 52' 13.3843", W112° 39' 08.0266"	17.0 E	130	4433.4	112.6	PIH	
ESV:		Bearing [True]: 262.0° to 267.0° Bearing [Mag]: 245.0° to 250.0°				Arc Distance: Out to 104.0 NM Altitude: 19900.0 to 22500.0 ft		
2	DTA DTA [IFPA]	N39° 18' 08.1438", W112° 30' 20.0138"	16.0 E	130	4604.3	116.1	DTA	
ESV:		Bearing [True]: 208.0° to 259.0° Bearing [Mag]: 192.0° to 243.0°				Arc Distance: Out to 100.0 NM Altitude: 18000.0 to 19200.0 ft		
3	BCE BCE [IFPA]	N37° 41' 21.0748", W112° 18' 14.0262"	15.0 E	130	9039.3	112.8	BCE	
ESV:		Bearing [True]: 280.0° to 307.0° Bearing [Mag]: 265.0° to 292.0°				Arc Distance: Out to 113.0 NM Altitude: 18000.0 to 27100.0 ft		

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Graphic Depiction 1

