

DME DME Assessment Results for QUBEN2 path HAINY__QUBEN

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KJAX STARs\KJAX QUBEN (RNAV) STAR\KJAX QUBEN2 (RNAV) STAR DME 07 FEB 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KJAX STARs\KJAX QUBEN (RNAV) STAR\FOR SUBMITTAL\DME\KJAX [IFPA] QUBEN2 20240207_1007 EST\HAINY__QUBEN\KJAX QUBEN2 RNAV STAR HAINY QUBEN 20240207_1007 EST.pdf
Procedure Name:	QUBEN2
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/07/2024 10:07 EST
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
HAINY__	WP	N28° 59' 05.00", W081° 21' 51.00"	10000	VNAV	200	FLY_BY	TF
MISCL	WP	N29° 16' 27.00", W081° 23' 02.00"	10000	VNAV	200	FLY_BY	TF
MEAAT	WP	N29° 33' 32.00", W081° 24' 11.00"	10000	VNAV	200	FLY_BY	TF
BASSS	WP	N29° 40' 50.20", W081° 32' 44.28"	8000	VNAV	200	FLY_BY	TF
POGIE	WP	N29° 46' 11.03", W081° 38' 54.94"	8000	VNAV	200	FLY_BY	TF
QUBEN	WP	N29° 56' 10.64", W081° 39' 49.00"	8000	VNAV	200	FLY_OVER	TF

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KJAX [IFPA]
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, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	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	CRG	N30° 20' 19.97", W081° 30' 35.74"	3.0 W	130	H	IFPA	NO	Enabled	21.1 %	21.1 %
2	OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	H	IFPA	NO	Enabled	84.8 %	84.8 %
3	GNV	N29° 41' 31.61", W082° 16' 22.70"	4.0 W	40	L	IFPA	NO	Enabled	26.2 %	26.2 %
4	OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	L	IFPA	NO	Enabled	70.7 %	70.7 %
5	SGJ	N29° 57' 24.23", W081° 19' 48.77"	6.0 W	25	T	IFPA	NO	Enabled	35.2 %	35.1 %
6	MLB	N28° 06' 19.12", W080° 38' 06.46"	7.0 W	130	DH	IFPA	NO	Enabled	61 %	61 %
7	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H	IFPA	NO	Enabled	79.1 %	79.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OCF	ORL	OMN	MLB		
38.1	OCF	OMN	ORL			
40.5	OCF	OMN	SGJ	ORL		
44.2	OMN	SGJ	ORL			
46.1	OMN	SGJ	GNV			
49.3	OMN	SGJ	GNV	CRG		
53.0	ORL	GNV	CRG	SGJ		
56.4	GNV	CRG	SGJ			

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

DME DME Assessment Results for QUBEN2 path HAINY__QUBEN

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
HAINY__	MISCL	OMN, MLB, OCF, ORL	
MISCL	MEAAT	OMN, MLB, OCF, ORL	
MEAAT	BASSS	OMN, MLB, OCF, SGJ, ORL	
BASSS	POGIE	OMN, SGJ, ORL, CRG, GNV	
POGIE	QUBEN	OMN, SGJ, ORL, CRG, GNV	

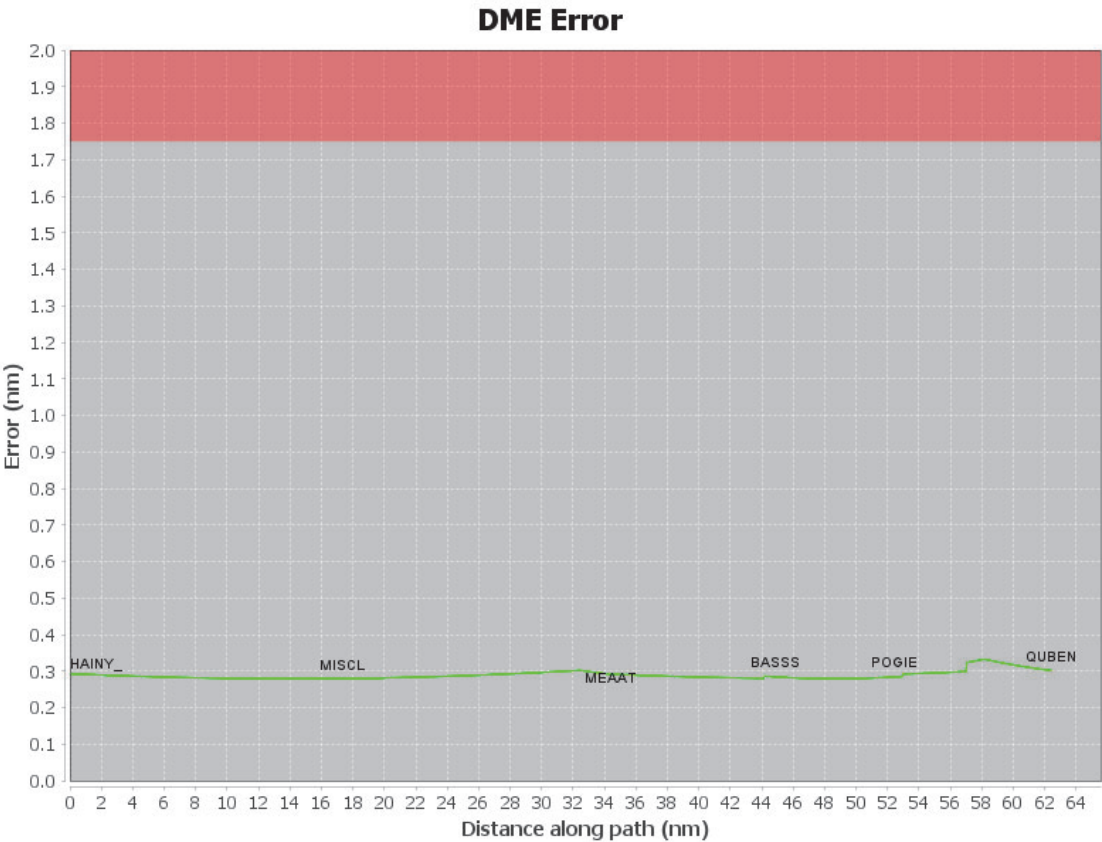
User Data Files

#	File Name
	None

User DMEs

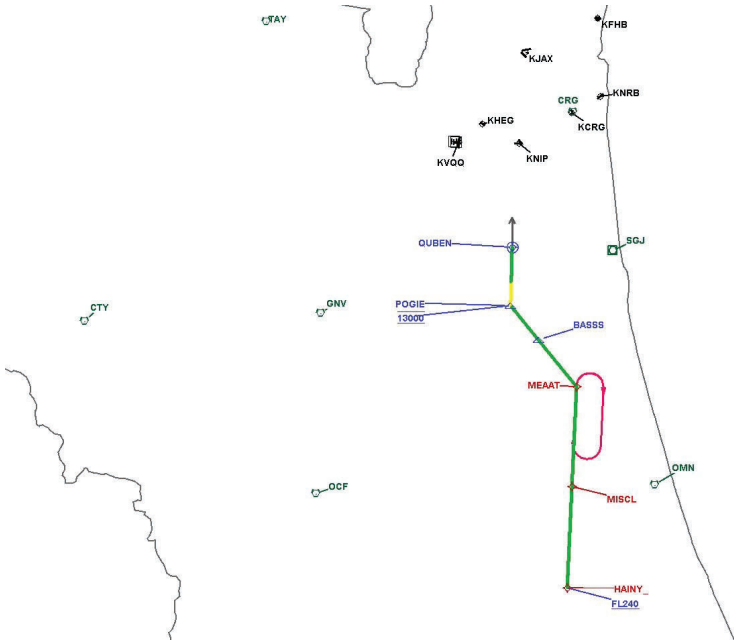
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OCF FAA 714002-32 OCF [IFPA]	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-32	
	ESV:	Bearing [True]: 50.0° to 120.0° Bearing [Mag]: 50.0° to 120.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 18000.0 ft		
2	ORL FAA 694096-50 ORL [IFPA]	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	101.6	112.2	ORL FAA 694096-50	
	ESV:	Bearing [True]: 345.0° to 5.0° Bearing [Mag]: 345.0° to 5.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 14500.0 ft		
3	ORL FAA 694096-49 ORL [IFPA]	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	101.6	112.2	ORL FAA 694096-49	
	ESV:	Bearing [True]: 335.0° to 350.0° Bearing [Mag]: 335.0° to 350.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 14500.0 ft		

DME DME Assessment Results for QUBEN2 path HAINY__QUBEN



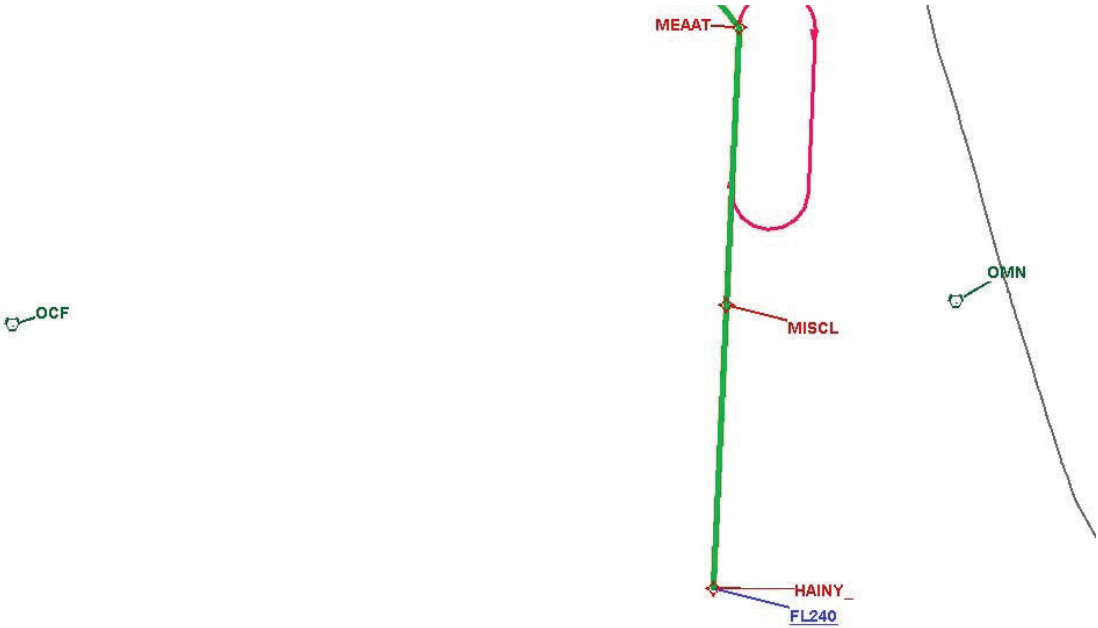
DME DME Assessment Results for QUBEN2 path HAINY__QUBEN

Graphic Depiction 1



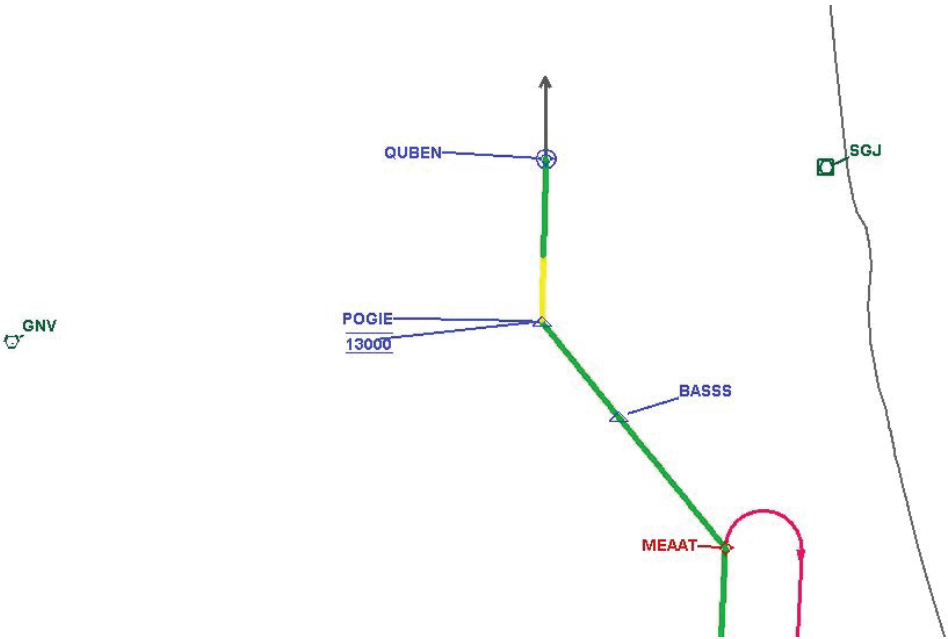
DME DME Assessment Results for QUBEN2 path HAINY__QUBEN

Graphic Depiction 2



DME DME Assessment Results for QUBEN2 path HAINY__QUBEN

Graphic Depiction 3



DME DME Assessment Results for QUBEN2 path MEAAT_HAINY_

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Procedure Name:	QUBEN2
Software: DmeDmePlugin:	7.2.1
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Warnings
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Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
MEAAT	WP	N29° 33' 32.00", W081° 24' 11.00"	10000	VNAV	200	FLY_BY	TF
MISCL	WP	N29° 16' 27.00", W081° 23' 02.00"	10000	VNAV	200	FLY_BY	TF
HAINY_	WP	N28° 59' 05.00", W081° 21' 51.00"	10000	VNAV	200	FLY_BY	TF

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KJAX [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
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	260 Ground Speed to 24000 FT
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Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for QUBEN2 path MEAAT_HAINY_

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:	Included
Terminal DMEs:	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	OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
2	OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
3	MLB	N28° 06' 19.12", W080° 38' 06.46"	7.0 W	130	DH	IFPA	NO	Enabled	100 %	100 %
4	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OCF	OMN	ORL	MLB		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MEAAT	MISCL	OMN, MLB, OCF, ORL	
MISCL	HAINY_	OMN, MLB, OCF, ORL	

DME DME Assessment Results for QUBEN2 path MEAAT_HAINY_

User Data Files

File Name

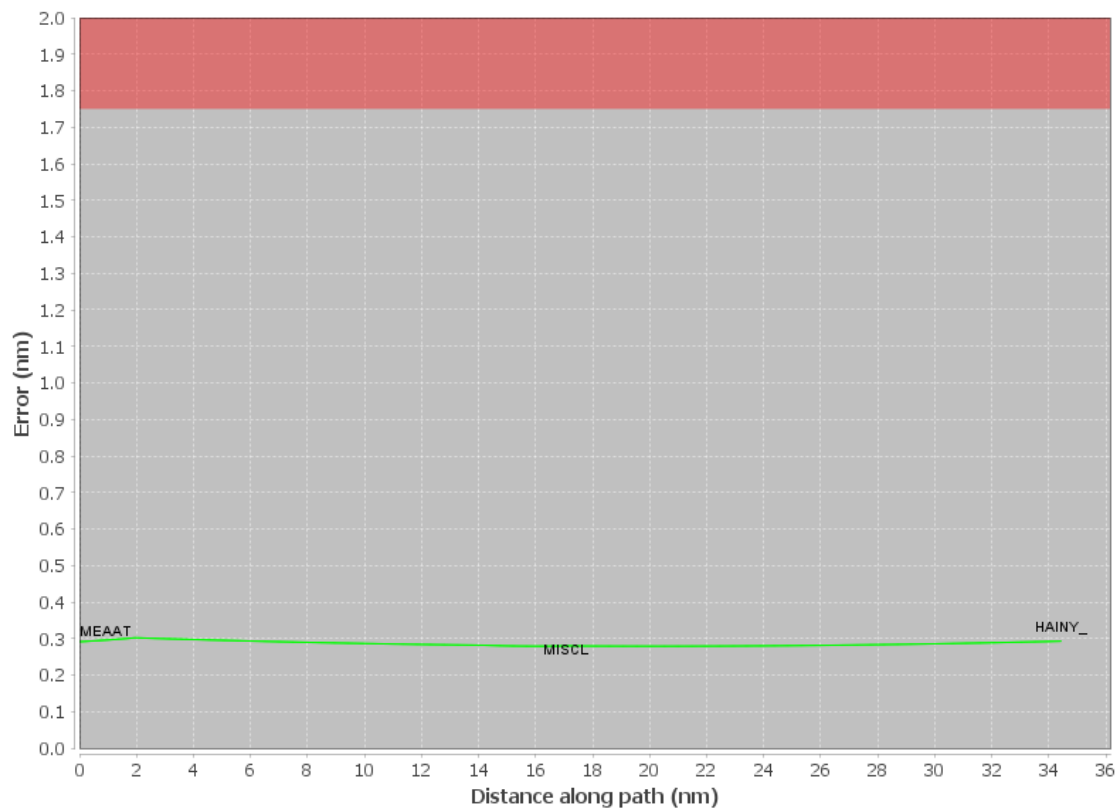
None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OCF FAA 714002-32 OCF [IFPA]	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-32	
ESV:		Bearing [True]: 50.0° to 120.0° Bearing [Mag]: 50.0° to 120.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 18000.0 ft		
2	ORL FAA 694096-50 ORL [IFPA]	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	101.6	112.2	ORL FAA 694096-50	
ESV:		Bearing [True]: 345.0° to 5.0° Bearing [Mag]: 345.0° to 5.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 14500.0 ft		
3	ORL FAA 694096-49 ORL [IFPA]	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	101.6	112.2	ORL FAA 694096-49	
ESV:		Bearing [True]: 335.0° to 350.0° Bearing [Mag]: 335.0° to 350.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 14500.0 ft		

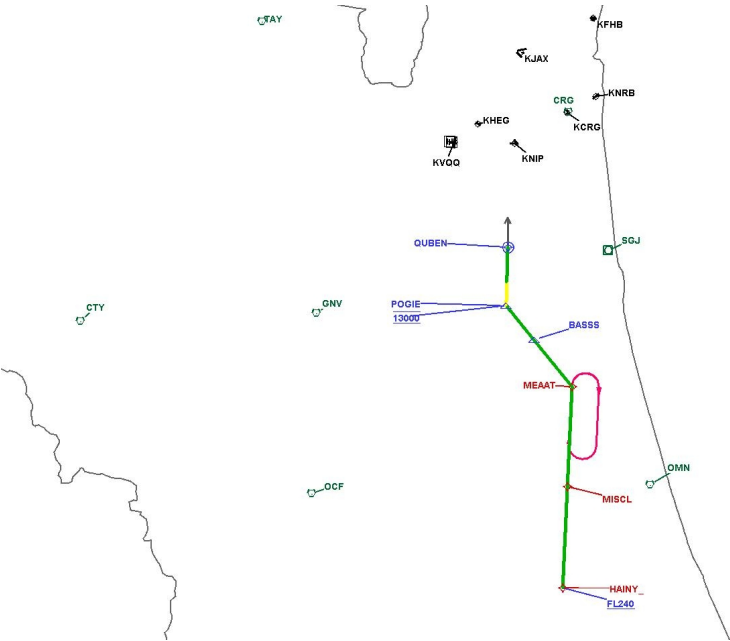
DME DME Assessment Results for QUBEN2 path MEAAT_HAINY_

DME Error



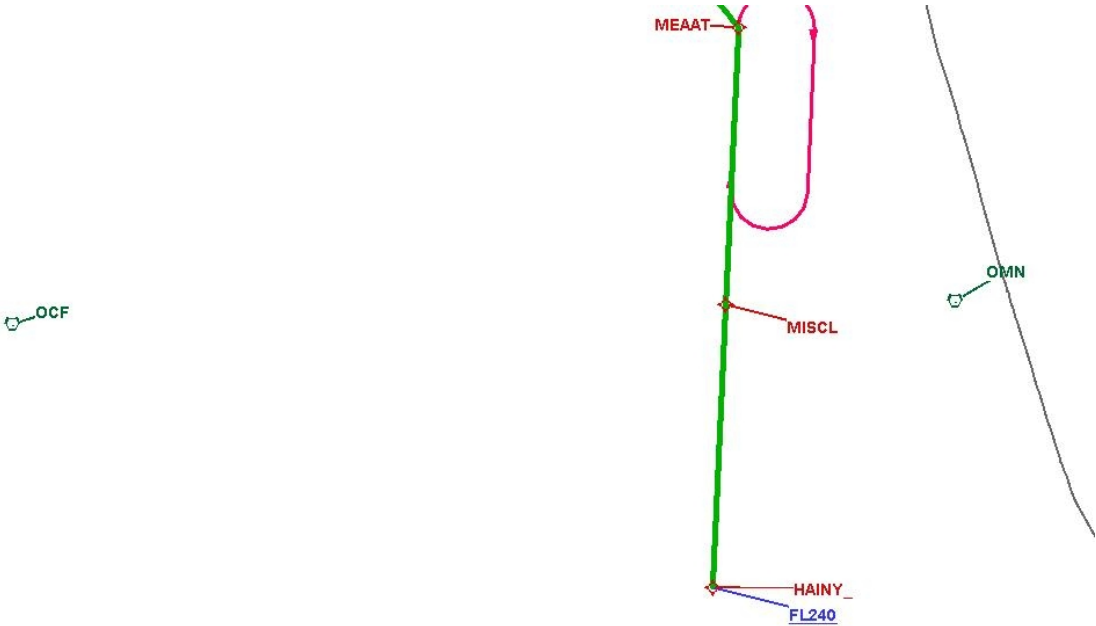
DME DME Assessment Results for QUBEN2 path MEAAT_HAINY_

Graphic Depiction 1



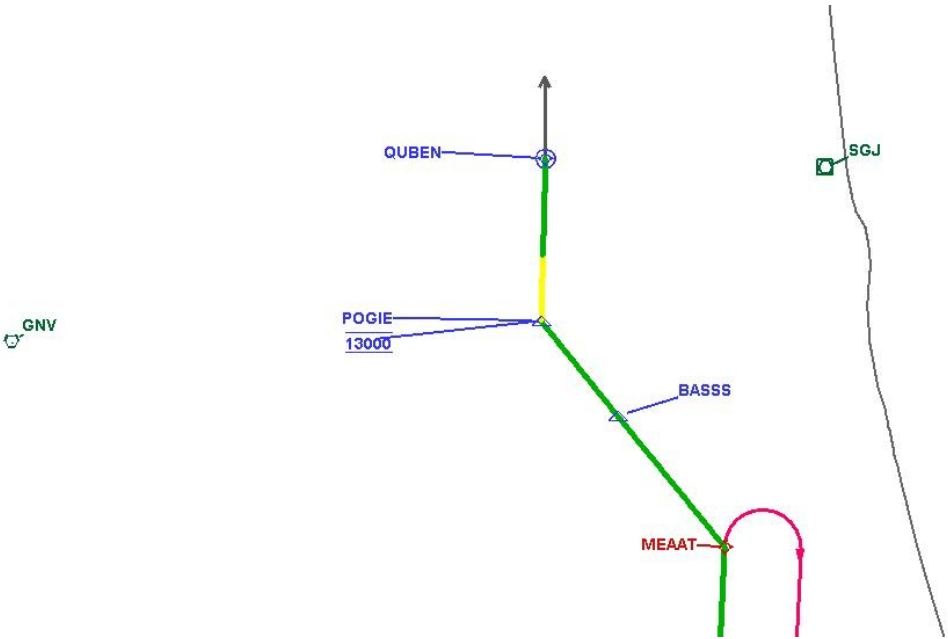
DME DME Assessment Results for QUBEN2 path MEAAT_HAINY_

Graphic Depiction 2



DME DME Assessment Results for QUBEN2 path MEAAT_HAINY_

Graphic Depiction 3



DME ESVs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OCF FAA 714002-32 OCF [IFPA]	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-32	
ESV:		Bearing [True]: 50.0° to 120.0° Bearing [Mag]: 50.0° to 120.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 18000.0 ft		
2	ORL FAA 694096-49 ORL [IFPA]	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	101.6	112.2	ORL FAA 694096-49	
ESV:		Bearing [True]: 335.0° to 350.0° Bearing [Mag]: 335.0° to 350.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 14500.0 ft		
3	ORL FAA 694096-50 ORL [IFPA]	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	101.6	112.2	ORL FAA 694096-50	
ESV:		Bearing [True]: 345.0° to 5.0° Bearing [Mag]: 345.0° to 5.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 14500.0 ft		