

DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

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\KSRQ\LUBBR4 STAR\KSRQ LUBBR4 (RNAV) STAR DME 05 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KSRQ\LUBBR4 STAR\DME\KSRQ [IFPA] LUBBR4 20241205_1322 EST\KRVUR_MURDO\KSRQ LUBBR4 RNAV STAR KRVUR MURDO 20241205_1322 EST.pdf
Procedure Name:	LUBBR4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/05/2024 13:22 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KRVUR	WP	N30° 44' 32.150097845", W082° 56' 30.390587170"	3000	VNAV	210	FLY_BY	TF
WNWUD	WP	N30° 09' 28.110000000", W082° 15' 10.740000000"	3000	VNAV	210	FLY_BY	TF
SSPAZ	WP	N29° 35' 31.700000000", W082° 10' 48.790000000"	3000	VNAV	210	FLY_BY	TF
BATTN	WP	N29° 10' 18.320000000", W082° 07' 38.490000000"	3000	VNAV	210	FLY_BY	TF
LUBBR	WP	N28° 40' 44.370000000", W082° 07' 01.410000000"	3000	VNAV	210	FLY_BY	TF
ZEBON	WP	N28° 29' 14.360000000", W082° 05' 22.650000000"	3000	VNAV	210	FLY_BY	TF
RUNNE_	WP	N28° 17' 47.999238104", W082° 02' 26.927594981"	3000	VNAV	210	FLY_BY	TF
BREKR_	WP	N28° 07' 09.218179739", W082° 00' 51.097050077"	3000	VNAV	210	FLY_BY	TF
WUDDY	WP	N27° 46' 19.740000000", W082° 13' 33.090000000"	3000	VNAV	210	FLY_BY	TF
LYFIE	WP	N27° 36' 37.180000000", W082° 23' 06.800000000"	3000	VNAV	210	FLY_BY	TF
MURDO	WP	N27° 19' 07.450000000", W082° 19' 45.910000000"	3000	VNAV	200	FLY_OVER	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KSRQ [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

DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

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:	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:	COF,HST,LSF,NRB,SVN,VAD

DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OTK	N30° 46' 49.6057000000", W083° 16' 47.0170000000"	2.0 W	130	H		NO	Enabled	15.8 %	15.7 %
2	ORL	N28° 32' 33.8016000000", W081° 20' 06.0532000000"	0.0 E	130	H		NO	Enabled	12.6 %	12.6 %
3	GEF	N30° 33' 04.8300000000", W083° 46' 59.2780000000"	1.0 E	40	L		NO	Enabled	5.2 %	5.1 %
4	CTY	N29° 35' 56.4025000000", W083° 02' 55.6512000000"	2.0 W	40	L		NO	Enabled	2.5 %	2.5 %
5	TAY	N30° 30' 16.6960000000", W082° 33' 10.4520000000"	3.0 W	130	H		NO	Enabled	24.4 %	24.4 %
6	PIE	N27° 54' 27.9518000000", W082° 41' 03.5131000000"	5.0 W	130	H		NO	Enabled	18.3 %	18.2 %
7	GNV	N29° 41' 31.6129000000", W082° 16' 22.7008000000"	4.0 W	40	L		NO	Enabled	10.6 %	10.6 %
8	OMN	N29° 18' 11.7020000000", W081° 06' 45.7137000000"	0.0 E	130	H		NO	Enabled	18.7 %	18.7 %
9	MCF	N27° 51' 40.1800000000", W082° 30' 48.6400000000"	6.0 W	40	L		NO	Enabled	28.6 %	28.6 %
10	OCF	N29° 10' 38.9177000000", W082° 13' 34.8018000000"	0.0 E	40	L		NO	Enabled	20.5 %	20.5 %
11	SRQ	N27° 24' 25.2558000000", W082° 33' 49.1847000000"	5.0 W	130	DH		NO	Enabled	23.5 %	23.5 %
12	LAL	N27° 59' 10.3098000000", W082° 00' 50.0557000000"	1.0 E	130	H		NO	Enabled	27.8 %	27.8 %
13	SGJ	N29° 57' 24.2276000000", W081° 19' 48.7728000000"	6.0 W	25	T		NO	Enabled	4.7 %	4.7 %
14	CRG	N30° 20' 19.9651000000", W081° 30' 35.7384000000"	3.0 W	130	H		NO	Enabled	18.1 %	18 %
15	AYS	N31° 16' 09.9310000000", W082° 33' 23.2040000000"	0.0 E	40	L		NO	Enabled	16.6 %	16.5 %
16	COF	N28° 14' 15.6600000000", W080° 36' 42.3300000000"	7.0 W	40	L	IFPA	NO	Disabled		
17	HST	N25° 29' 23.9266000000", W080° 22' 45.8881000000"	6.0 W	25	T	IFPA	NO	Disabled		
18	LSF	N32° 19' 56.2600000000", W084° 59' 35.2200000000"	5.0 W	25	T	IFPA	NO	Disabled		

DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
19	NRB	N30° 23' 19.012900000", W081° 25' 23.075300000"	6.0 W	40	L	IFPA	NO	Disabled		
20	SVN	N32° 00' 42.995000000", W081° 08' 27.110000000"	2.0 W	25	T	IFPA	NO	Disabled		
21	VAD	N30° 57' 36.300000000", W083° 11' 36.430000000"	3.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	AYS	TAY	OTK	GEF		
11.8	AYS	OTK	TAY			
21.4	AYS	OTK				
22.6	CRG	AYS	OTK			
27.3	CRG	TAY	AYS	OTK		
35.8	CRG	AYS	TAY			
37.6	CRG	TAY				
54.0	CRG	TAY	GNV			
61.5						
66.5	CTY	GNV				
69.7	CTY	OCF	GNV	CRG		
71.1	CTY	OCF	CRG			
71.5	CTY	OCF	CRG	GNV		
71.9	CTY	OCF				
72.3						
89.3	OMN	OCF	GNV			
90.8	OMN	OCF	SGJ	GNV		
101.2	OMN	OCF	SGJ			
101.5	OMN	OCF				
102.3						
117.1	OMN	OCF				
131.4	OMN	OCF	ORL			
141.0	ORL	LAL	OCF	OMN		
146.5	ORL	LAL	OCF			
148.1	ORL	LAL				
155.9	ORL	LAL	MCF			
158.1	ORL	LAL				
160.0						
161.4	MCF	LAL				
173.6	PIE	LAL	MCF	SRQ		
176.9	SRQ	PIE				
179.8	SRQ	PIE	MCF			
191.0	SRQ	PIE	MCF	LAL		
204.9	MCF	LAL	SRQ			
214.1	SRQ	PIE	MCF	LAL		
217.8	SRQ	MCF	LAL			
218.8	SRQ	MCF	PIE	LAL		
219.7	SRQ	MCF	PIE			
225.4	SRQ	MCF				

DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N29° 57' 58.899303788", W082° 13' 41.748429469"	N29° 52' 59.533720923", W082° 13' 03.201827749"	5.0086
2	N29° 47' 14.906661210", W082° 12' 18.907537768"	N29° 30' 21.366442866", W082° 10' 09.637522472"	16.9846
3	N29° 17' 20.270298227", W082° 08' 31.389012835"	N29° 02' 35.563244141", W082° 07' 28.783071020"	14.7696
4	N28° 19' 50.935557628", W082° 02' 58.354093598"	N28° 18' 32.393211840", W082° 02' 38.273736999"	1.3386

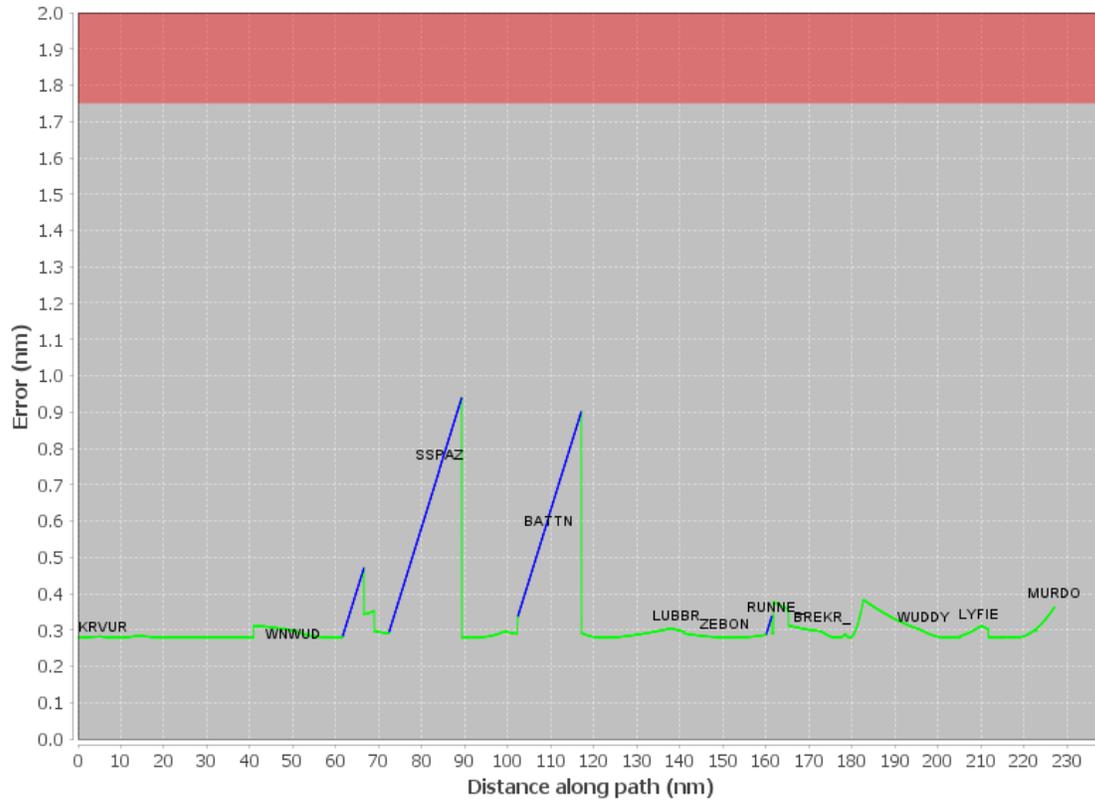
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KRVUR	WNWUD	OTK, GEF, CRG, AYS, TAY	
WNWUD	SSPAZ	OCF, CRG, CTY, TAY, GNV	
SSPAZ	BATTN	OMN, OCF, SGJ, GNV	
BATTN	LUBBR	OMN, OCF, ORL	
LUBBR	ZEBON	OMN, OCF, LAL, ORL	
ZEBON	RUNNE_	MCF, LAL, ORL	
RUNNE_	BREKR_	MCF, LAL	
BREKR_	WUDDY	MCF, SRQ, LAL, PIE	
WUDDY	LYFIE	MCF, SRQ, LAL, PIE	
LYFIE	MURDO	MCF, SRQ, LAL, PIE	

DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRG FAA 698166-35 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-35	
ESV:		Bearing [True]: 237.0° to 300.0° Bearing [Mag]: 240.0° to 303.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		
2	AYS FAA 698108-10 AYS	N31° 16' 09.931000000", W082° 33' 23.204000000"	0.0 E	40	154.8	110.2	AYS FAA 698108-10	
ESV:		Bearing [True]: 148.0° to 215.0° Bearing [Mag]: 148.0° to 215.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18200.0 ft		
3	CTY FAA 704013-62 CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	33.8	112.0	CTY FAA 704013-62	
ESV:		Bearing [True]: 67.0° to 76.0° Bearing [Mag]: 69.0° to 78.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 18100.0 ft		
4	SGJ NG 950056-6 SGJ	N29° 57' 24.227600000", W081° 19' 48.772800000"	6.0 W	25	5.9	109.4	SGJ NG 950056-6	
ESV:		Bearing [True]: 224.0° to 239.0° Bearing [Mag]: 230.0° to 245.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 12100.0 ft		
5	CRG FAA 698166-37 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-37	
ESV:		Bearing [True]: 225.0° to 236.0° Bearing [Mag]: 228.0° to 239.0°				Arc Distance: Out to 52.0 NM Altitude: 2900.0 to 14600.0 ft		
6	GEF FAA 220739-3 GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	220	113.65	GEF FAA 220739-3	
ESV:		Bearing [True]: 71.0° to 90.0° Bearing [Mag]: 70.0° to 89.0°				Arc Distance: Out to 55.0 NM Altitude: 2900.0 to 18300.0 ft		
7	OTK FAA 872007-17 OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	199.3	114.8	OTK FAA 872007-17	
ESV:		Bearing [True]: 111.0° to 128.0° Bearing [Mag]: 113.0° to 130.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 14700.0 ft		
8	ORL FAA 694096-79 ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-79	
ESV:		Bearing [True]: 251.0° to 293.0° Bearing [Mag]: 251.0° to 293.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14700.0 ft		
9	OMN FAA 694106-20 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
10	OMN FAA 694106-65 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-65	
ESV:		Bearing [True]: 269.0° to 284.0° Bearing [Mag]: 269.0° to 284.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		

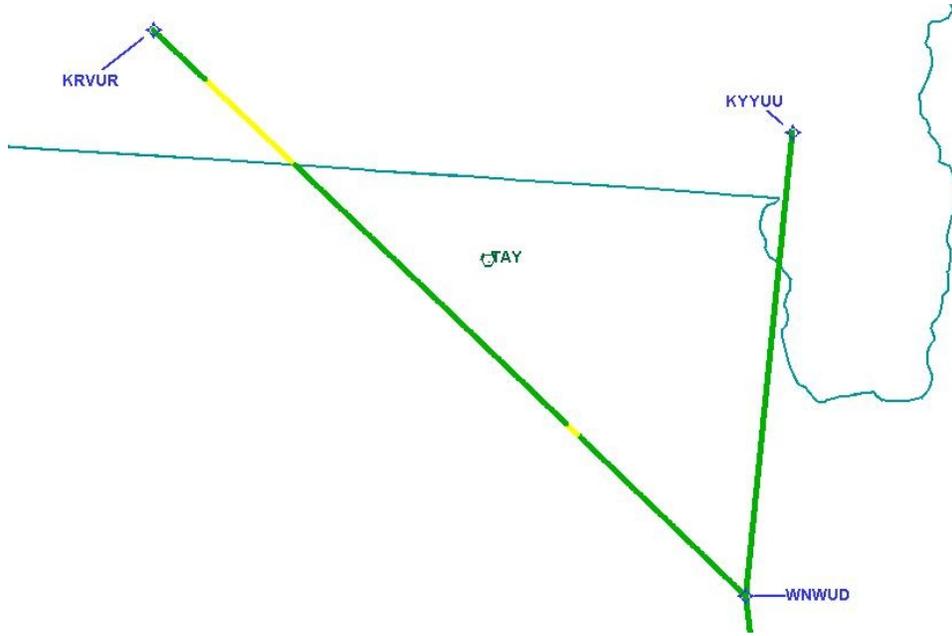
DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

DME Error



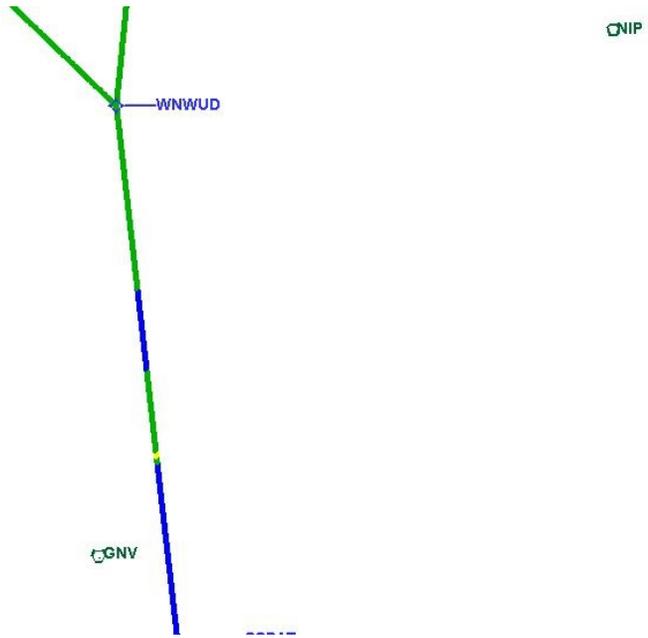
DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Graphic Depiction 2



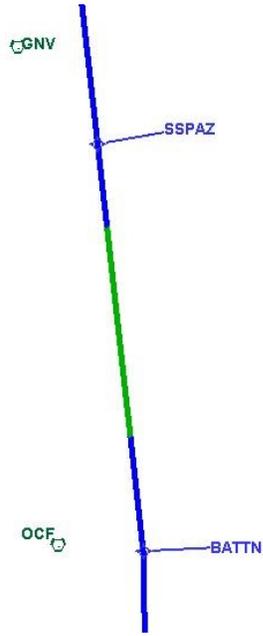
DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Graphic Depiction 3



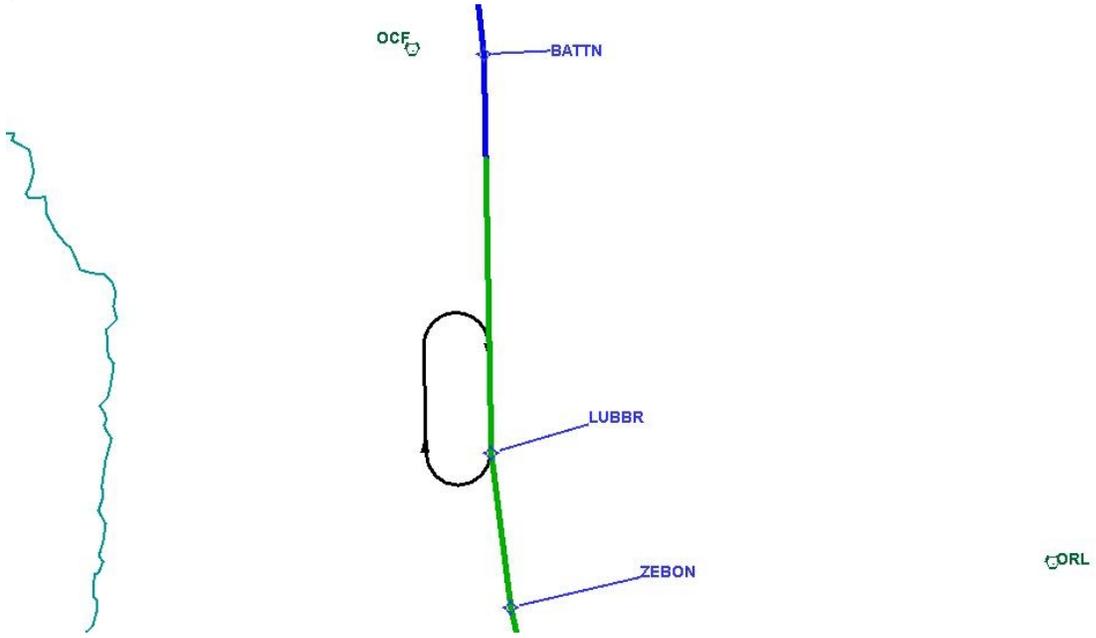
DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Graphic Depiction 4



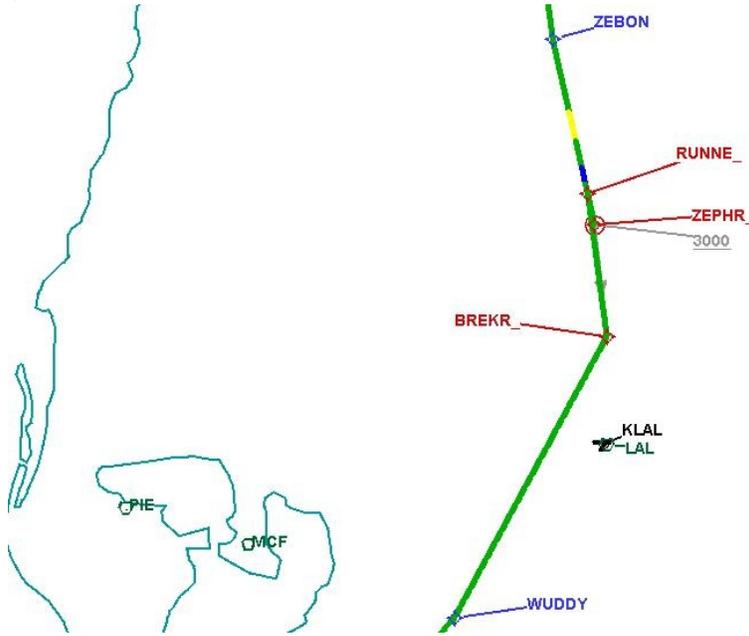
DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Graphic Depiction 5



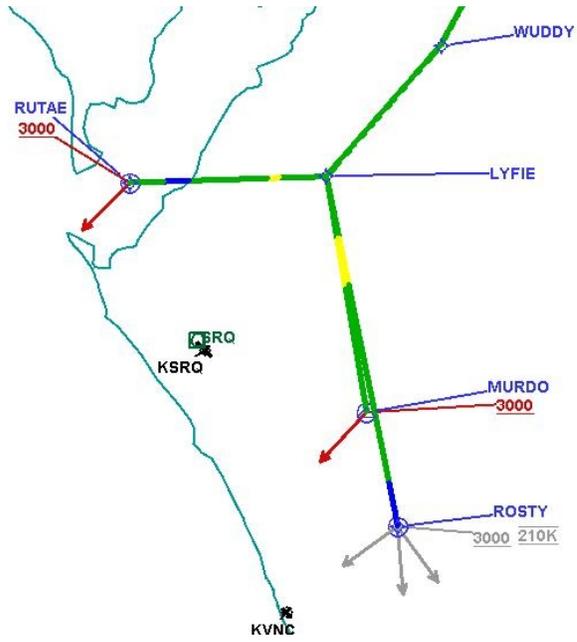
DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Graphic Depiction 6



DME DME Assessment Results for LUBBR4 path KRVUR_MURDO

Graphic Depiction 7



DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

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\KSRQ\LUBBR4 STAR\KSRQ LUBBR4 (RNAV) STAR DME 05 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KSRQ\LUBBR4 STAR\DME\KSRQ [IFPA] LUBBR4 20241205_1322 EST\KYYUU_WNWUD\KSRQ LUBBR4 RNAV STAR KYYUU_WNWUD 20241205_1322 EST.pdf
Procedure Name:	LUBBR4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/05/2024 13:22 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
KYYUU	WP	N30° 38' 13.83000000", W082° 11' 55.76000000"	3000	VNAV	210	FLY_BY	TF
WNWUD	WP	N30° 09' 28.11000000", W082° 15' 10.74000000"	3000	VNAV	210	FLY_BY	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KSRQ [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

DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

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:	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:	COF,HST,LSF,NRB,SVN,VAD

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CRG	N30° 20' 19.9651000000", W081° 30' 35.7384000000"	3.0 W	130	H		NO	Enabled	100 %	100 %
2	AYS	N31° 16' 09.9310000000", W082° 33' 23.2040000000"	0.0 E	40	L		NO	Enabled	66.3 %	66.3 %
3	TAY	N30° 30' 16.6960000000", W082° 33' 10.4520000000"	3.0 W	130	H		NO	Enabled	100 %	100 %
4	COF	N28° 14' 15.6600000000", W080° 36' 42.3300000000"	7.0 W	40	L	IFPA	NO	Disabled		
5	HST	N25° 29' 23.9266000000", W080° 22' 45.8881000000"	6.0 W	25	T	IFPA	NO	Disabled		
6	LSF	N32° 19' 56.2600000000", W084° 59' 35.2200000000"	5.0 W	25	T	IFPA	NO	Disabled		
7	NRB	N30° 23' 19.0129000000", W081° 25' 23.0753000000"	6.0 W	40	L	IFPA	NO	Disabled		
8	SVN	N32° 00' 42.9950000000", W081° 08' 27.1100000000"	2.0 W	25	T	IFPA	NO	Disabled		
9	VAD	N30° 57' 36.3000000000", W083° 11' 36.4300000000"	3.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	AYS	TAY	CRG			
19.2	CRG	TAY				

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

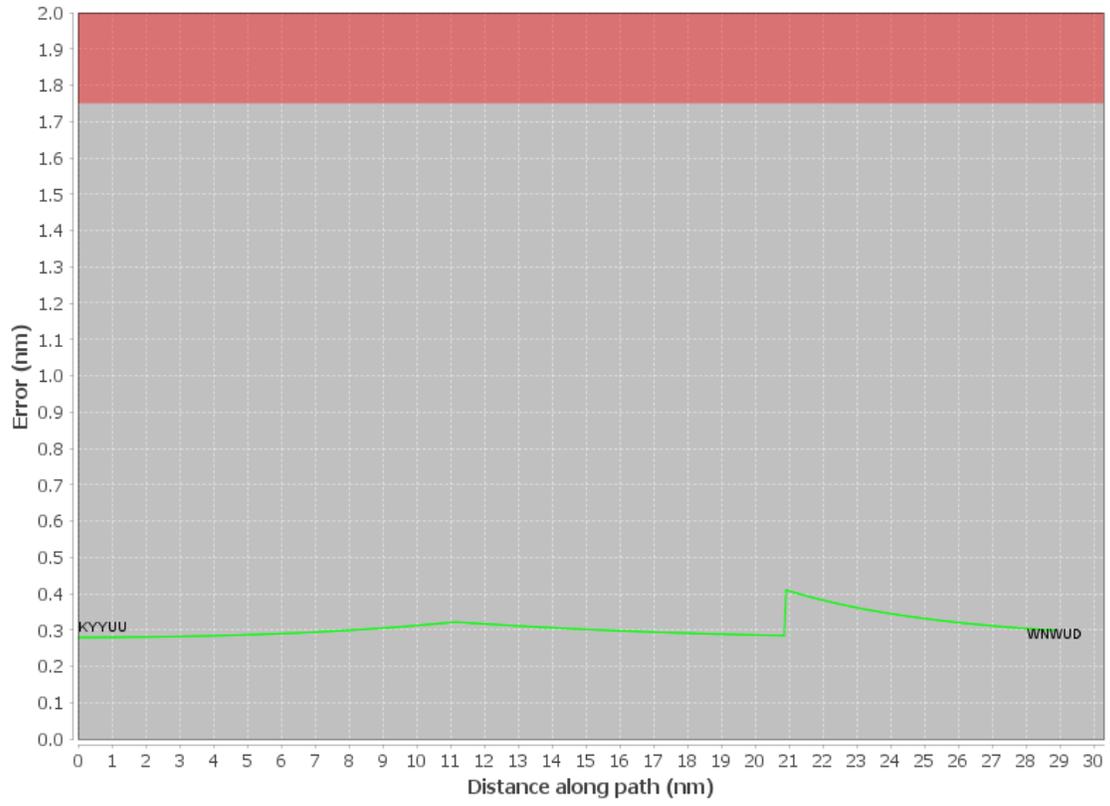
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KYYUU	WNWUD	CRG, AYS, TAY	

DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRG FAA 698166-35 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-35	
ESV:		Bearing [True]: 237.0° to 300.0° Bearing [Mag]: 240.0° to 303.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		
2	AYS FAA 698108-10 AYS	N31° 16' 09.931000000", W082° 33' 23.204000000"	0.0 E	40	154.8	110.2	AYS FAA 698108-10	
ESV:		Bearing [True]: 148.0° to 215.0° Bearing [Mag]: 148.0° to 215.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18200.0 ft		
3	CTY FAA 704013-62 CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	33.8	112.0	CTY FAA 704013-62	
ESV:		Bearing [True]: 67.0° to 76.0° Bearing [Mag]: 69.0° to 78.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 18100.0 ft		
4	SGJ NG 950056-6 SGJ	N29° 57' 24.227600000", W081° 19' 48.772800000"	6.0 W	25	5.9	109.4	SGJ NG 950056-6	
ESV:		Bearing [True]: 224.0° to 239.0° Bearing [Mag]: 230.0° to 245.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 12100.0 ft		
5	CRG FAA 698166-37 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-37	
ESV:		Bearing [True]: 225.0° to 236.0° Bearing [Mag]: 228.0° to 239.0°				Arc Distance: Out to 52.0 NM Altitude: 2900.0 to 14600.0 ft		
6	GEF FAA 220739-3 GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	220	113.65	GEF FAA 220739-3	
ESV:		Bearing [True]: 71.0° to 90.0° Bearing [Mag]: 70.0° to 89.0°				Arc Distance: Out to 55.0 NM Altitude: 2900.0 to 18300.0 ft		
7	OTK FAA 872007-17 OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	199.3	114.8	OTK FAA 872007-17	
ESV:		Bearing [True]: 111.0° to 128.0° Bearing [Mag]: 113.0° to 130.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 14700.0 ft		
8	ORL FAA 694096-79 ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-79	
ESV:		Bearing [True]: 251.0° to 293.0° Bearing [Mag]: 251.0° to 293.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14700.0 ft		
9	OMN FAA 694106-20 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
10	OMN FAA 694106-65 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-65	
ESV:		Bearing [True]: 269.0° to 284.0° Bearing [Mag]: 269.0° to 284.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		

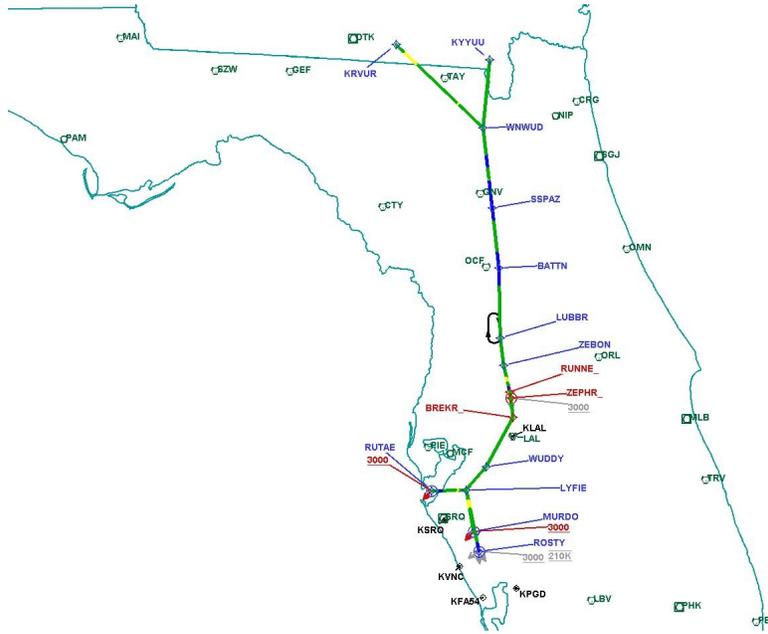
DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

DME Error



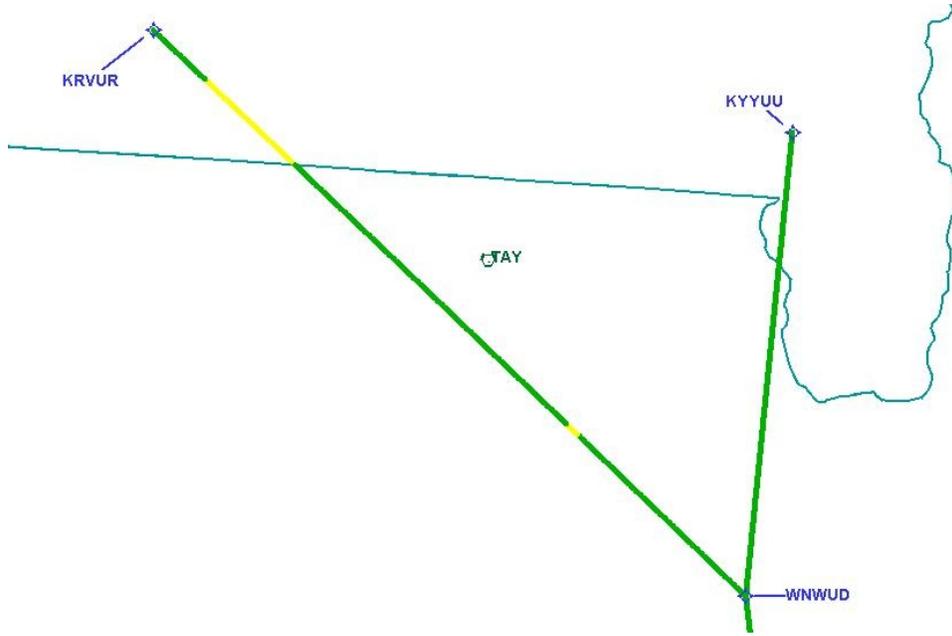
DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Graphic Depiction 1



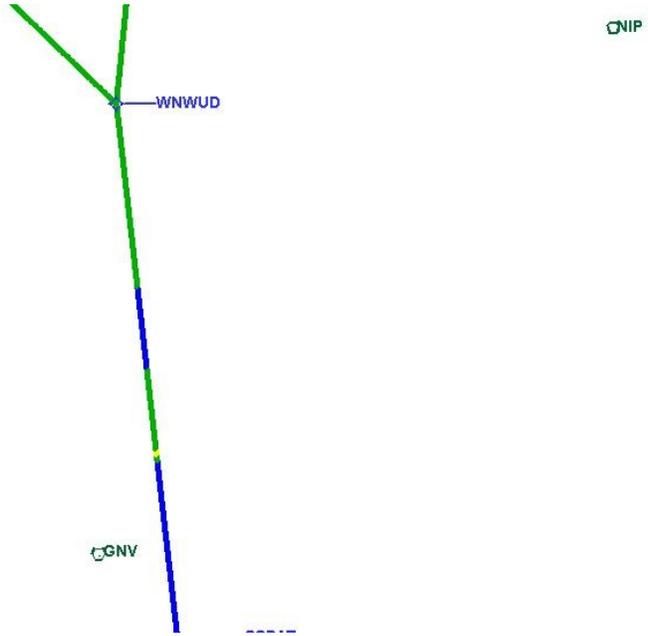
DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Graphic Depiction 2



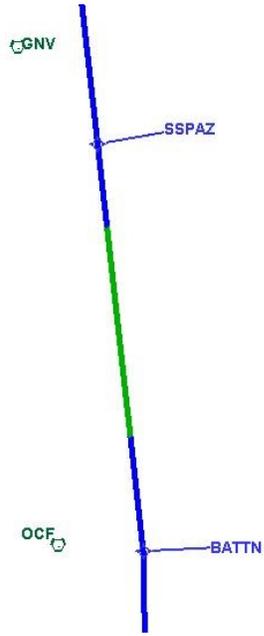
DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Graphic Depiction 3



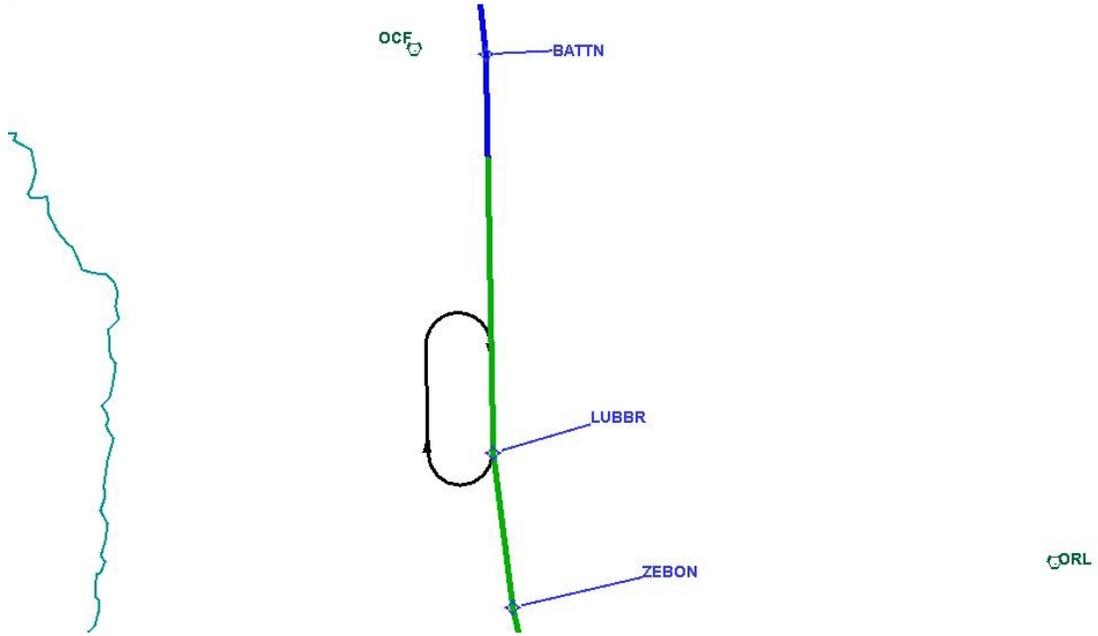
DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Graphic Depiction 4



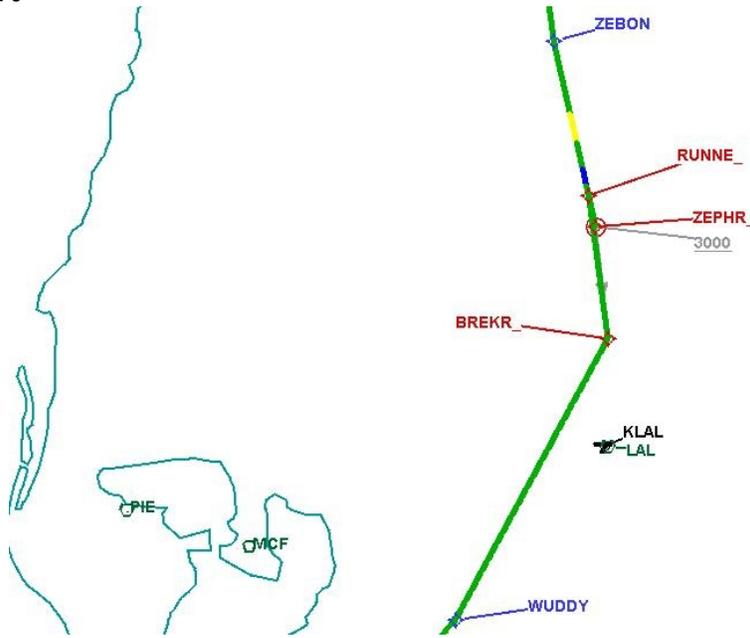
DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Graphic Depiction 5



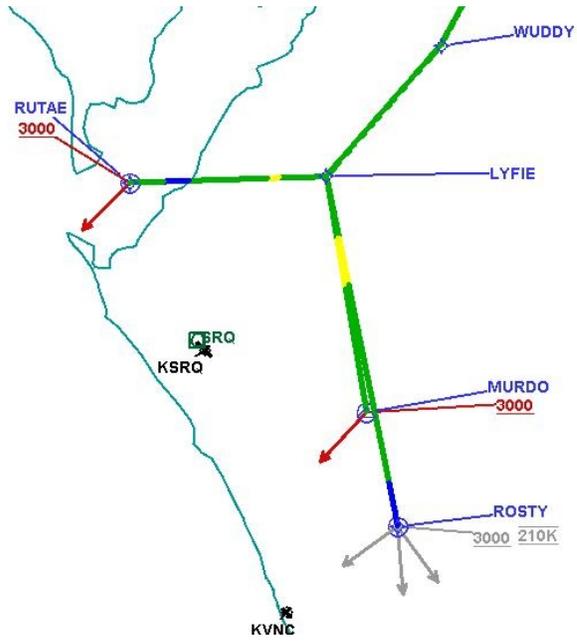
DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Graphic Depiction 6



DME DME Assessment Results for LUBBR4 path KYYUU_WNWUD

Graphic Depiction 7



DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

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\KSRQ\LUBBR4 STAR\KSRQ LUBBR4 (RNAV) STAR DME 05 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KSRQ\LUBBR4 STAR\DME\KSRQ [IFPA] LUBBR4 20241205_1322 EST\LYFIE_ROSTY\KSRQ LUBBR4 RNAV STAR LYFIE ROSTY 20241205_1322 EST.pdf
Procedure Name:	LUBBR4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/05/2024 13:22 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
LYFIE	WP	N27° 36' 37.180000000", W082° 23' 06.800000000"	3000	VNAV	210	FLY_BY	TF
ROSTY	WP	N27° 10' 36.090000000", W082° 17' 08.210000000"	3000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSRQ [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

DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

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:	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:	COF,HST,LSF,NRB,SVN,VAD

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MCF	N27° 51' 40.180000000", W082° 30' 48.640000000"	6.0 W	40	L		NO	Enabled	87 %	87 %
2	SRQ	N27° 24' 25.255800000", W082° 33' 49.184700000"	5.0 W	130	DH		NO	Enabled	87 %	87 %
3	LAL	N27° 59' 10.309800000", W082° 00' 50.055700000"	1.0 E	130	H		NO	Enabled	39.8 %	39.8 %
4	PIE	N27° 54' 27.951800000", W082° 41' 03.513100000"	5.0 W	130	H		NO	Enabled	34.7 %	34.7 %
5	COF	N28° 14' 15.660000000", W080° 36' 42.330000000"	7.0 W	40	L	IFPA	NO	Disabled		
6	HST	N25° 29' 23.926600000", W080° 22' 45.888100000"	6.0 W	25	T	IFPA	NO	Disabled		
7	LSF	N32° 19' 56.260000000", W084° 59' 35.220000000"	5.0 W	25	T	IFPA	NO	Disabled		
8	NRB	N30° 23' 19.012900000", W081° 25' 23.075300000"	6.0 W	40	L	IFPA	NO	Disabled		
9	SVN	N32° 00' 42.995000000", W081° 08' 27.110000000"	2.0 W	25	T	IFPA	NO	Disabled		
10	VAD	N30° 57' 36.300000000", W083° 11' 36.430000000"	3.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MCF	LAL	SRQ			
4.7	SRQ	PIE	MCF	LAL		
8.2	SRQ	MCF	LAL			
10.2	SRQ	MCF	PIE	LAL		
10.6	SRQ	MCF	PIE			
16.0	SRQ	MCF				
23.1						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N27° 13' 55.105670403", W082° 17' 53.765280729"	N27° 10' 36.090000000", W082° 17' 08.210000000"	3.3761

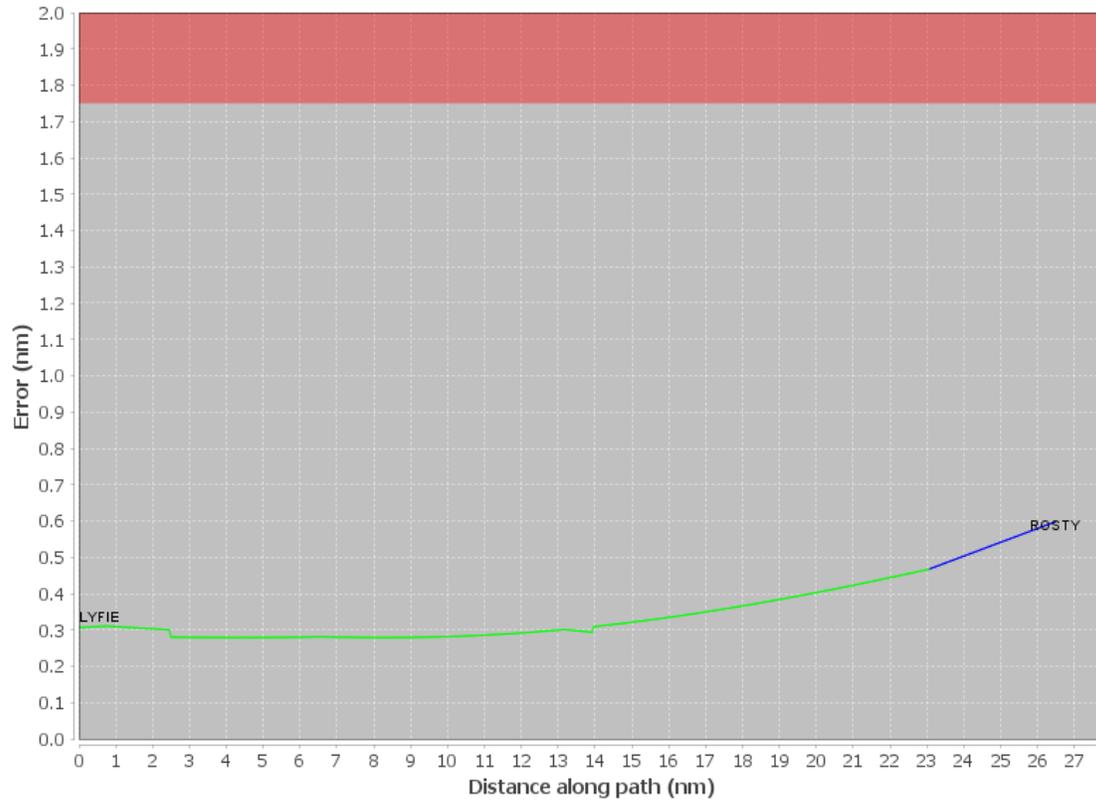
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
LYFIE	ROSTY	MCF, SRQ, LAL, PIE	

DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRG FAA 698166-35 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-35	
ESV:		Bearing [True]: 237.0° to 300.0° Bearing [Mag]: 240.0° to 303.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		
2	AYS FAA 698108-10 AYS	N31° 16' 09.931000000", W082° 33' 23.204000000"	0.0 E	40	154.8	110.2	AYS FAA 698108-10	
ESV:		Bearing [True]: 148.0° to 215.0° Bearing [Mag]: 148.0° to 215.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18200.0 ft		
3	CTY FAA 704013-62 CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	33.8	112.0	CTY FAA 704013-62	
ESV:		Bearing [True]: 67.0° to 76.0° Bearing [Mag]: 69.0° to 78.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 18100.0 ft		
4	SGJ NG 950056-6 SGJ	N29° 57' 24.227600000", W081° 19' 48.772800000"	6.0 W	25	5.9	109.4	SGJ NG 950056-6	
ESV:		Bearing [True]: 224.0° to 239.0° Bearing [Mag]: 230.0° to 245.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 12100.0 ft		
5	CRG FAA 698166-37 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-37	
ESV:		Bearing [True]: 225.0° to 236.0° Bearing [Mag]: 228.0° to 239.0°				Arc Distance: Out to 52.0 NM Altitude: 2900.0 to 14600.0 ft		
6	GEF FAA 220739-3 GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	220	113.65	GEF FAA 220739-3	
ESV:		Bearing [True]: 71.0° to 90.0° Bearing [Mag]: 70.0° to 89.0°				Arc Distance: Out to 55.0 NM Altitude: 2900.0 to 18300.0 ft		
7	OTK FAA 872007-17 OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	199.3	114.8	OTK FAA 872007-17	
ESV:		Bearing [True]: 111.0° to 128.0° Bearing [Mag]: 113.0° to 130.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 14700.0 ft		
8	ORL FAA 694096-79 ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-79	
ESV:		Bearing [True]: 251.0° to 293.0° Bearing [Mag]: 251.0° to 293.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14700.0 ft		
9	OMN FAA 694106-20 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
10	OMN FAA 694106-65 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-65	
ESV:		Bearing [True]: 269.0° to 284.0° Bearing [Mag]: 269.0° to 284.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		

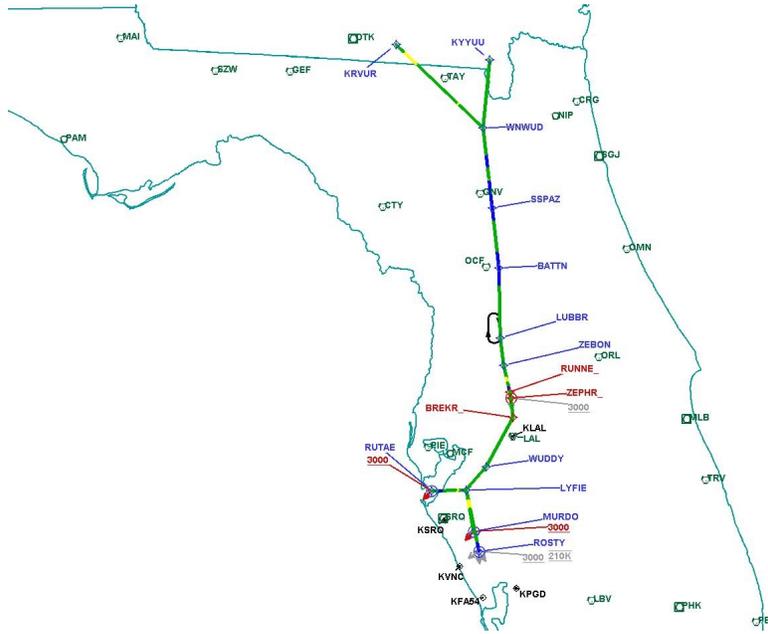
DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

DME Error



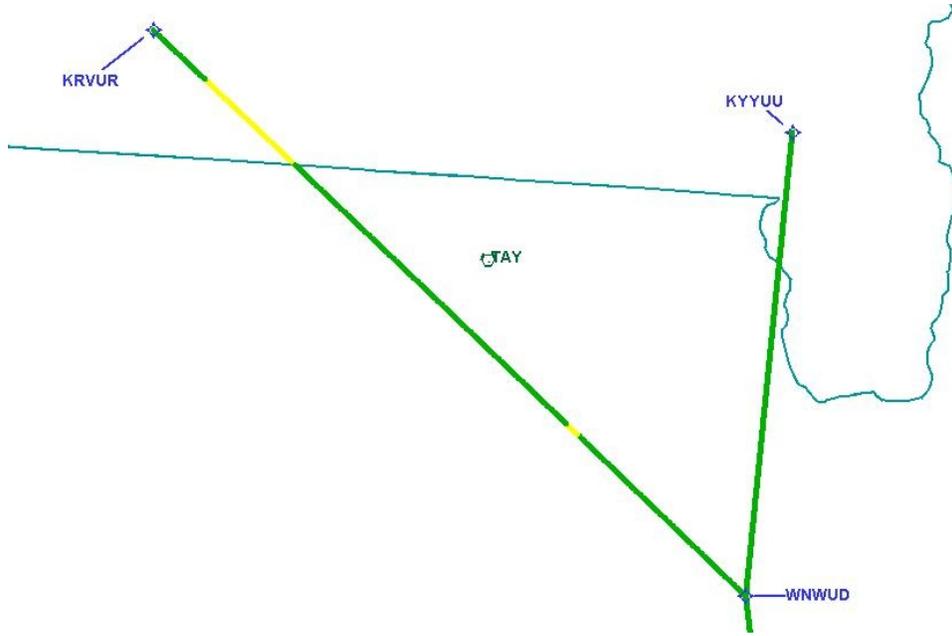
DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Graphic Depiction 1



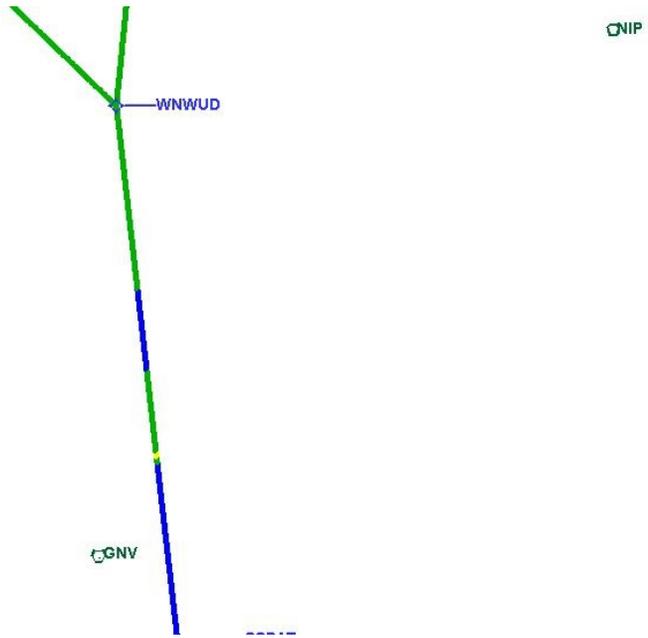
DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Graphic Depiction 2



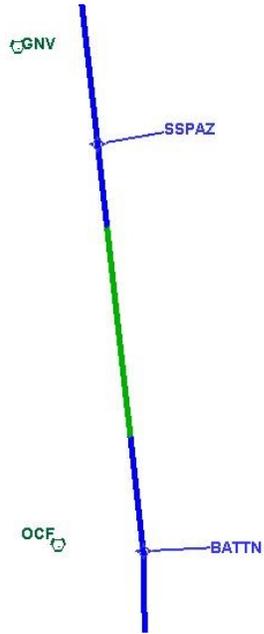
DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Graphic Depiction 3



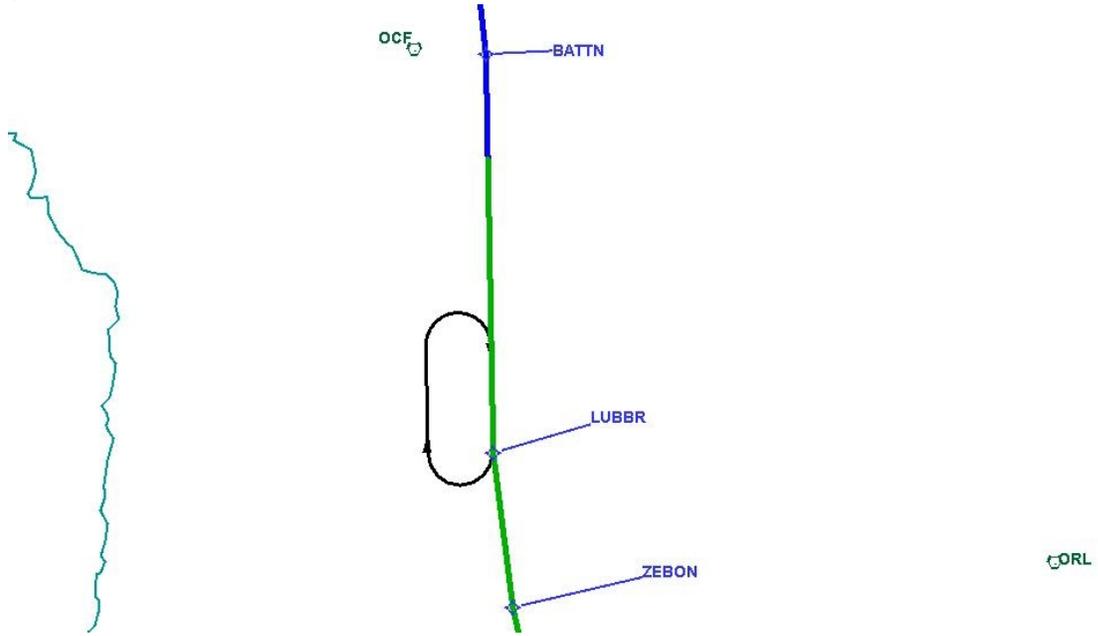
DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Graphic Depiction 4



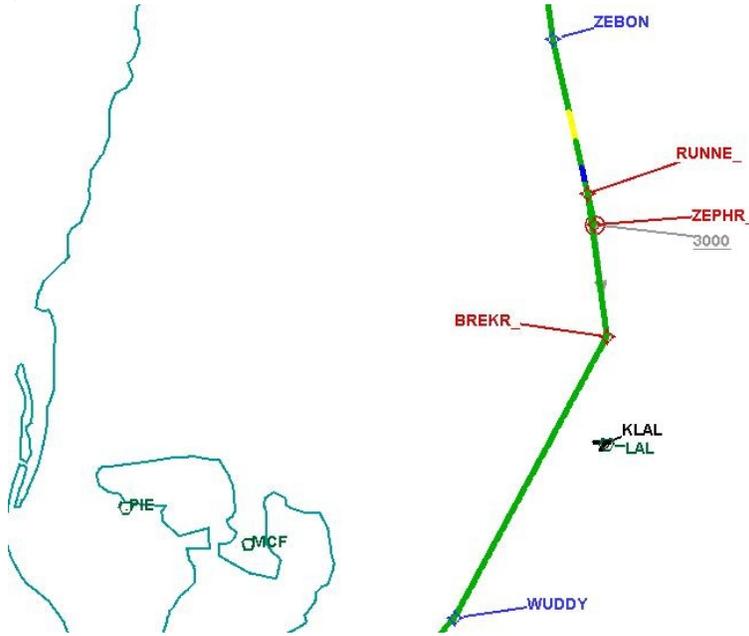
DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Graphic Depiction 5



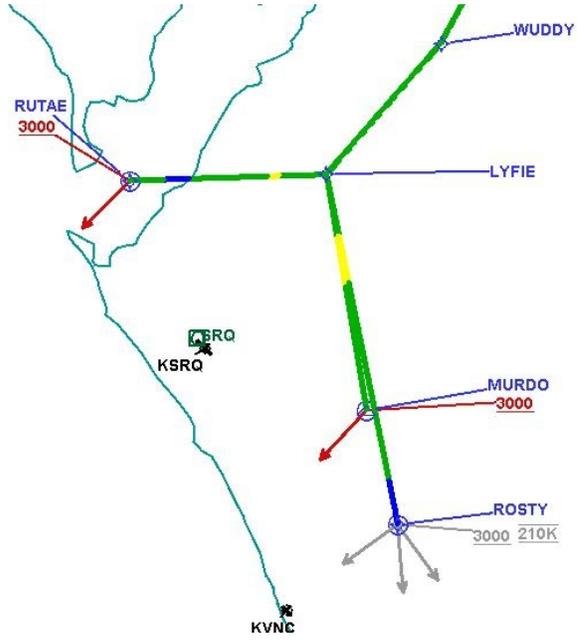
DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Graphic Depiction 6



DME DME Assessment Results for LUBBR4 path LYFIE_ROSTY

Graphic Depiction 7



DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

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\KSRQ\LUBBR4 STAR\KSRQ LUBBR4 (RNAV) STAR DME 05 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KSRQ\LUBBR4 STAR\DME\KSRQ [IFPA] LUBBR4 20241205_1322 EST\LUBBR_KRVUR\KSRQ LUBBR4 RNAV STAR LUBBR KRVUR 20241205_1322 EST.pdf
Procedure Name:	LUBBR4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/05/2024 13:22 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
LUBBR	WP	N28° 40' 44.370000000", W082° 07' 01.410000000"	3000	VNAV	210	FLY_BY	TF
BATTN	WP	N29° 10' 18.320000000", W082° 07' 38.490000000"	3000	VNAV	210	FLY_BY	TF
SSPAZ	WP	N29° 35' 31.700000000", W082° 10' 48.790000000"	3000	VNAV	210	FLY_BY	TF
WNWUD	WP	N30° 09' 28.110000000", W082° 15' 10.740000000"	3000	VNAV	210	FLY_BY	TF
KRVUR	WP	N30° 44' 32.150097845", W082° 56' 30.390587170"	3000	VNAV	210	FLY_BY	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KSRQ [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

DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

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:	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:	COF,HST,LSF,NRB,SVN,VAD

DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	H		NO	Enabled	25.1 %	25.1 %
2	OCF	N29° 10' 38.917700000", W082° 13' 34.801800000"	0.0 E	40	L		NO	Enabled	26.9 %	26.9 %
3	SGJ	N29° 57' 24.227600000", W081° 19' 48.772800000"	6.0 W	25	T		NO	Enabled	7.6 %	7.7 %
4	OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	H		NO	Enabled	25.8 %	25.7 %
5	ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	H		NO	Enabled	5.4 %	5.4 %
6	CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	L		NO	Enabled	4.1 %	4.1 %
7	CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	H		NO	Enabled	29.5 %	29.5 %
8	GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	L		NO	Enabled	8.4 %	8.4 %
9	AYS	N31° 16' 09.931000000", W082° 33' 23.204000000"	0.0 E	40	L		NO	Enabled	27.1 %	27 %
10	TAY	N30° 30' 16.696000000", W082° 33' 10.452000000"	3.0 W	130	H		NO	Enabled	39.9 %	39.9 %
11	GNV	N29° 41' 31.612900000", W082° 16' 22.700800000"	4.0 W	40	L		NO	Enabled	17.4 %	17.4 %
12	COF	N28° 14' 15.660000000", W080° 36' 42.330000000"	7.0 W	40	L	IFPA	NO	Disabled		
13	HST	N25° 29' 23.926600000", W080° 22' 45.888100000"	6.0 W	25	T	IFPA	NO	Disabled		
14	LSF	N32° 19' 56.260000000", W084° 59' 35.220000000"	5.0 W	25	T	IFPA	NO	Disabled		
15	NRB	N30° 23' 19.012900000", W081° 25' 23.075300000"	6.0 W	40	L	IFPA	NO	Disabled		
16	SVN	N32° 00' 42.995000000", W081° 08' 27.110000000"	2.0 W	25	T	IFPA	NO	Disabled		
17	VAD	N30° 57' 36.300000000", W083° 11' 36.430000000"	3.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Flight Check DME Selection					
Distance [NM]	Selected DMEs				Alternate
0.0	ORL	OCF	OMN		
7.5	OMN	OCF			
21.9					
36.6	OMN	OCF			
37.5	OMN	OCF	SGJ		
37.7	OMN	GNV	SGJ	OCF	
48.2	OMN	OCF	GNV		
49.7					
66.6	CTY	OCF			
67.0	CTY	OCF	CRG	GNV	
67.4	CTY	OCF	CRG		
67.9	CTY	OCF	GNV	CRG	
69.3	CTY	GNV			
72.4					
77.4	CRG	TAY	GNV		
84.9	CRG	TAY			
101.3	CRG	AYS	TAY		
103.1	CRG	AYS	TAY	OTK	
111.6	CRG	AYS	OTK		
116.3	AYS	OTK			
117.5	AYS	TAY	OTK		
127.2	AYS	OTK	TAY	GEF	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N29° 02' 39.069011224", W082° 07' 28.856517783"	N29° 17' 23.757435694", W082° 08' 31.826697366"	14.7717
2	N29° 30' 24.853376930", W082° 10' 10.077069144"	N29° 47' 18.387788214", W082° 12' 19.354532973"	16.968
3	N29° 53' 03.014755755", W082° 13' 03.649676122"	N29° 58' 02.380258279", W082° 13' 42.197022979"	5.0086

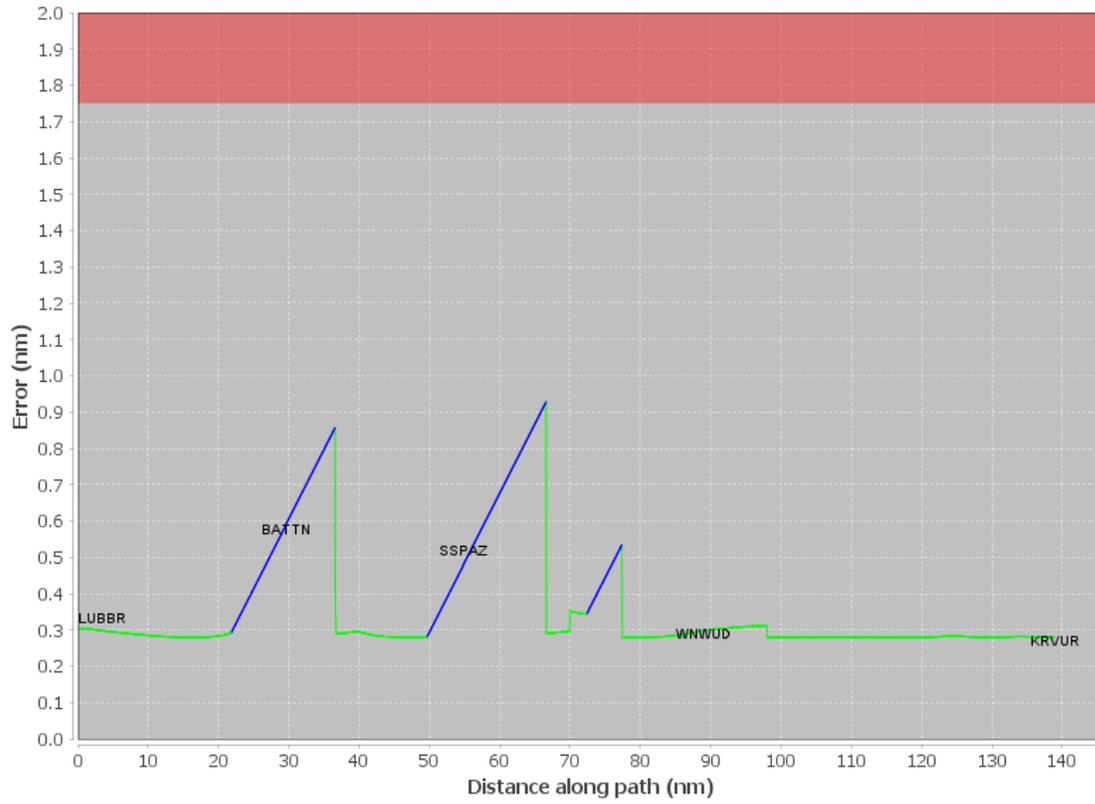
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
LUBBR	BATTN	OMN, OCF, ORL	
BATTN	SSPAZ	OMN, OCF, SGJ, GNV	
SSPAZ	WNVUD	OCF, CTY, CRG, TAY, GNV	
WNVUD	KRVUR	OTK, CRG, GEF, AYS, TAY	

DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRG FAA 698166-35 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-35	
ESV:		Bearing [True]: 237.0° to 300.0° Bearing [Mag]: 240.0° to 303.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		
2	AYS FAA 698108-10 AYS	N31° 16' 09.931000000", W082° 33' 23.204000000"	0.0 E	40	154.8	110.2	AYS FAA 698108-10	
ESV:		Bearing [True]: 148.0° to 215.0° Bearing [Mag]: 148.0° to 215.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18200.0 ft		
3	CTY FAA 704013-62 CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	33.8	112.0	CTY FAA 704013-62	
ESV:		Bearing [True]: 67.0° to 76.0° Bearing [Mag]: 69.0° to 78.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 18100.0 ft		
4	SGJ NG 950056-6 SGJ	N29° 57' 24.227600000", W081° 19' 48.772800000"	6.0 W	25	5.9	109.4	SGJ NG 950056-6	
ESV:		Bearing [True]: 224.0° to 239.0° Bearing [Mag]: 230.0° to 245.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 12100.0 ft		
5	CRG FAA 698166-37 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-37	
ESV:		Bearing [True]: 225.0° to 236.0° Bearing [Mag]: 228.0° to 239.0°				Arc Distance: Out to 52.0 NM Altitude: 2900.0 to 14600.0 ft		
6	GEF FAA 220739-3 GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	220	113.65	GEF FAA 220739-3	
ESV:		Bearing [True]: 71.0° to 90.0° Bearing [Mag]: 70.0° to 89.0°				Arc Distance: Out to 55.0 NM Altitude: 2900.0 to 18300.0 ft		
7	OTK FAA 872007-17 OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	199.3	114.8	OTK FAA 872007-17	
ESV:		Bearing [True]: 111.0° to 128.0° Bearing [Mag]: 113.0° to 130.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 14700.0 ft		
8	ORL FAA 694096-79 ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-79	
ESV:		Bearing [True]: 251.0° to 293.0° Bearing [Mag]: 251.0° to 293.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14700.0 ft		
9	OMN FAA 694106-20 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
10	OMN FAA 694106-65 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-65	
ESV:		Bearing [True]: 269.0° to 284.0° Bearing [Mag]: 269.0° to 284.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		

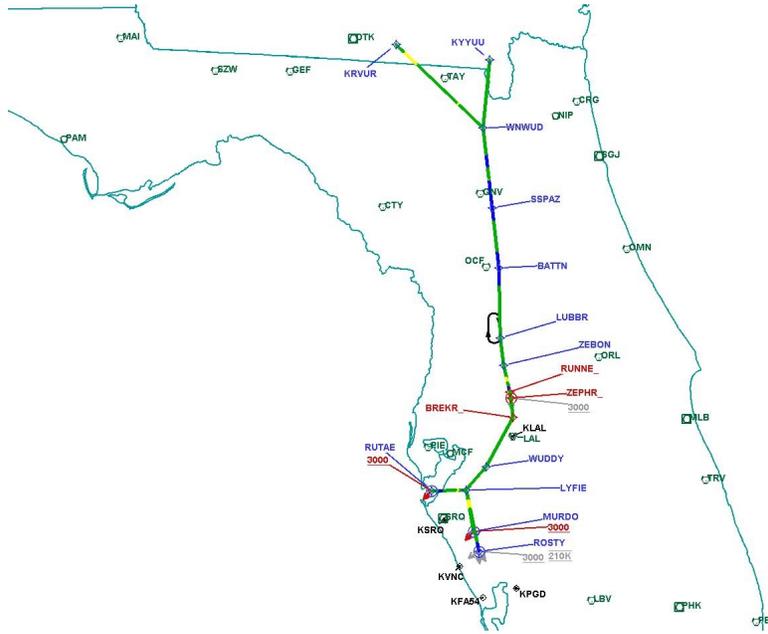
DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

DME Error



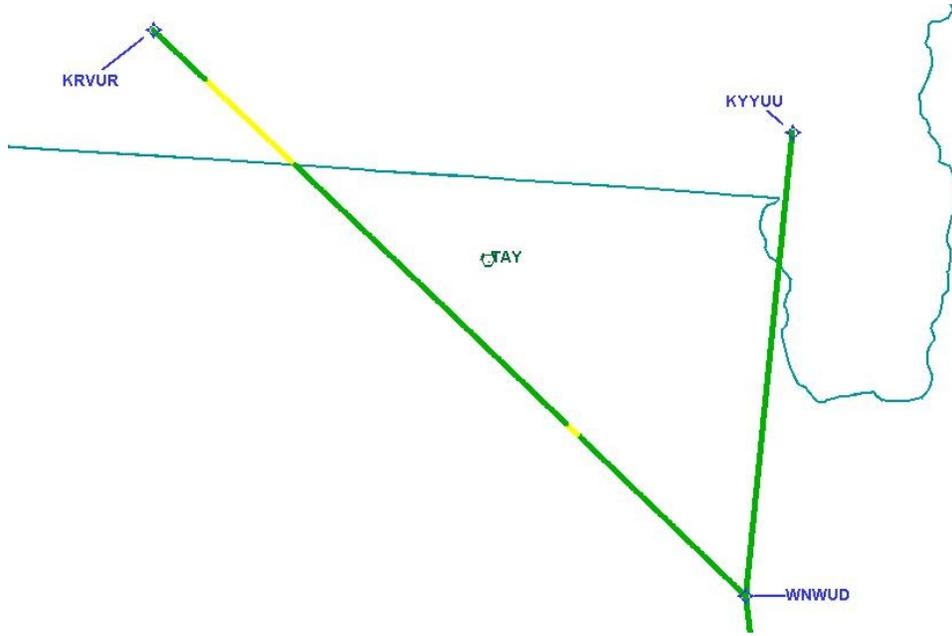
DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Graphic Depiction 1



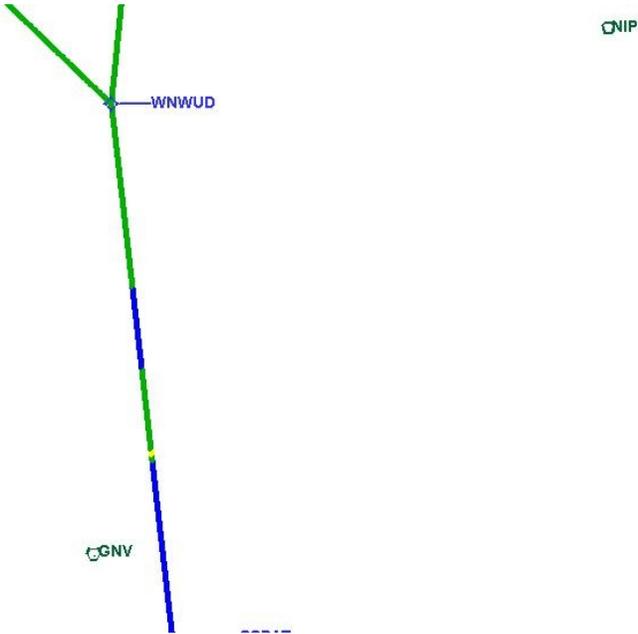
DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Graphic Depiction 2



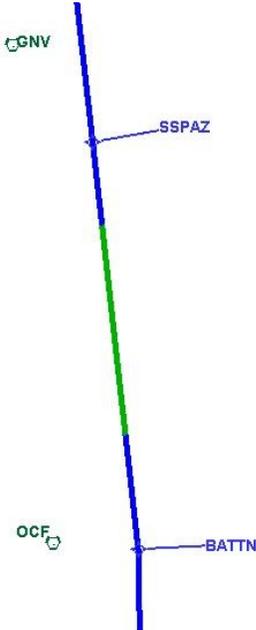
DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Graphic Depiction 3



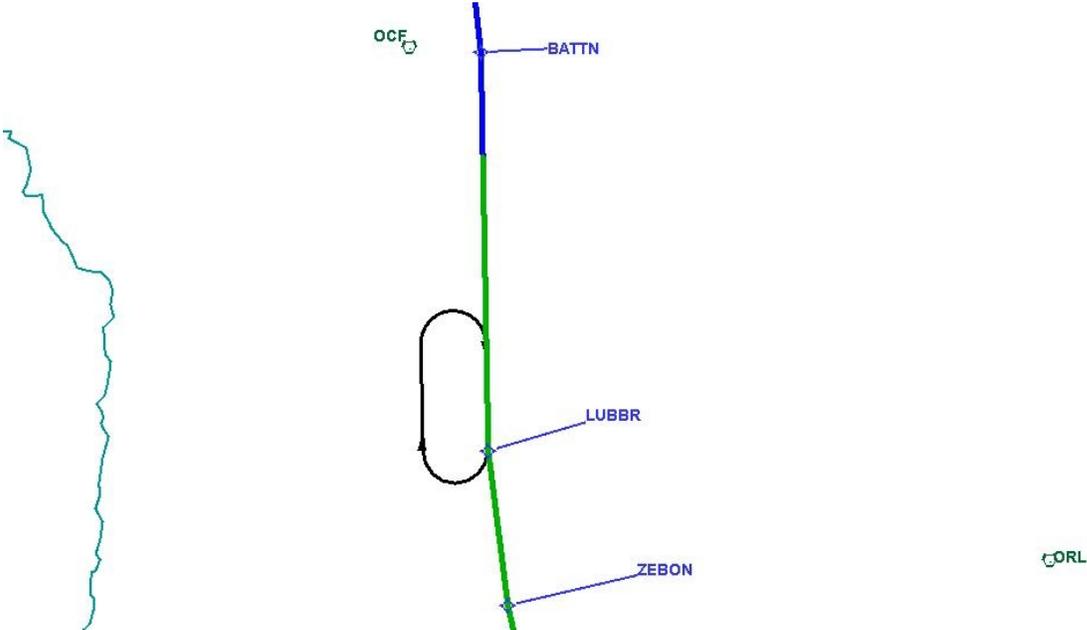
DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Graphic Depiction 4



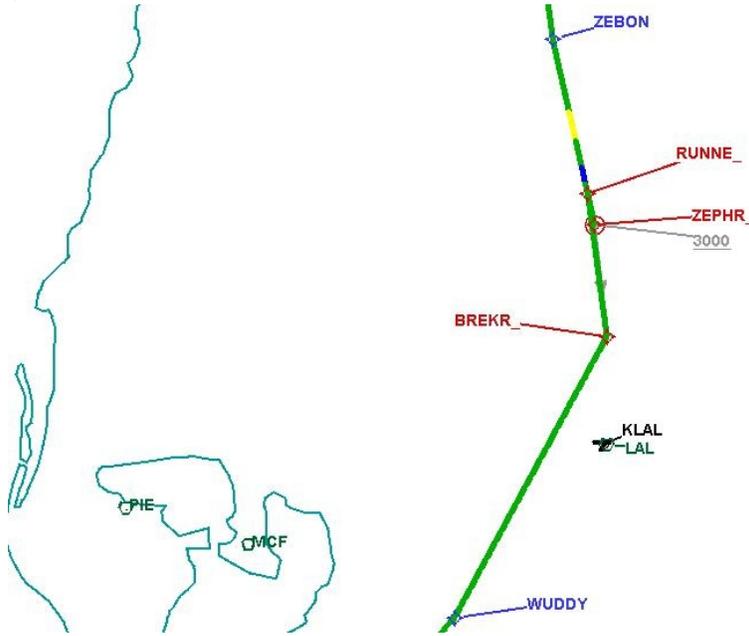
DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Graphic Depiction 5



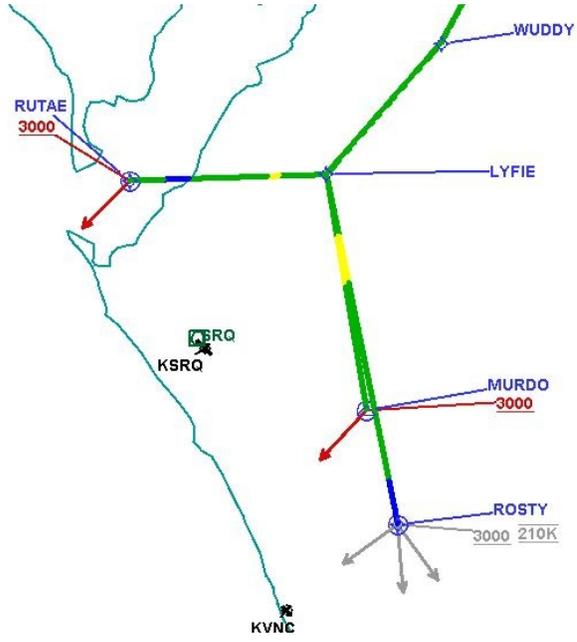
DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Graphic Depiction 6



DME DME Assessment Results for LUBBR4 path LUBBR_KRVUR

Graphic Depiction 7



DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

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\KSRQ\LUBBR4 STAR\KSRQ LUBBR4 (RNAV) STAR DME 05 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KSRQ\LUBBR4 STAR\DME\KSRQ [IFPA] LUBBR4 20241205_1322 ESTZEBON_ZEPHR_\KSRQ LUBBR4 RNAV STAR ZEBON ZEPHR_ 20241205_1322 EST.pdf
Procedure Name:	LUBBR4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/05/2024 13:22 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
ZEBON	WP	N28° 29' 14.360000000", W082° 05' 22.650000000"	3000	VNAV	210	FLY_BY	TF
ZEPHR_	WP	N28° 15' 27.705322294", W082° 01' 51.089253963"	3000	VNAV	200	FLY_OVER	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KSRQ [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

DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

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:	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:	COF,HST,LSF,NRB,SVN,VAD

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MCF	N27° 51' 40.180000000", W082° 30' 48.640000000"	6.0 W	40	L		NO	Enabled	37.6 %	37.6 %
2	LAL	N27° 59' 10.309800000", W082° 00' 50.055700000"	1.0 E	130	H		NO	Enabled	90.1 %	90.1 %
3	ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	H		NO	Enabled	67.8 %	67.8 %
4	COF	N28° 14' 15.660000000", W080° 36' 42.330000000"	7.0 W	40	L	IFPA	NO	Disabled		
5	HST	N25° 29' 23.926600000", W080° 22' 45.888100000"	6.0 W	25	T	IFPA	NO	Disabled		
6	LSF	N32° 19' 56.260000000", W084° 59' 35.220000000"	5.0 W	25	T	IFPA	NO	Disabled		
7	NRB	N30° 23' 19.012900000", W081° 25' 23.075300000"	6.0 W	40	L	IFPA	NO	Disabled		
8	SVN	N32° 00' 42.995000000", W081° 08' 27.110000000"	2.0 W	25	T	IFPA	NO	Disabled		
9	VAD	N30° 57' 36.300000000", W083° 11' 36.430000000"	3.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ORL	LAL				
5.5	ORL	LAL	MCF			
7.7	ORL	LAL				
9.6						
10.9	MCF	LAL				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 19' 50.744716447", W082° 02' 58.305292336"	N28° 18' 32.175765588", W082° 02' 38.218155838"	1.339

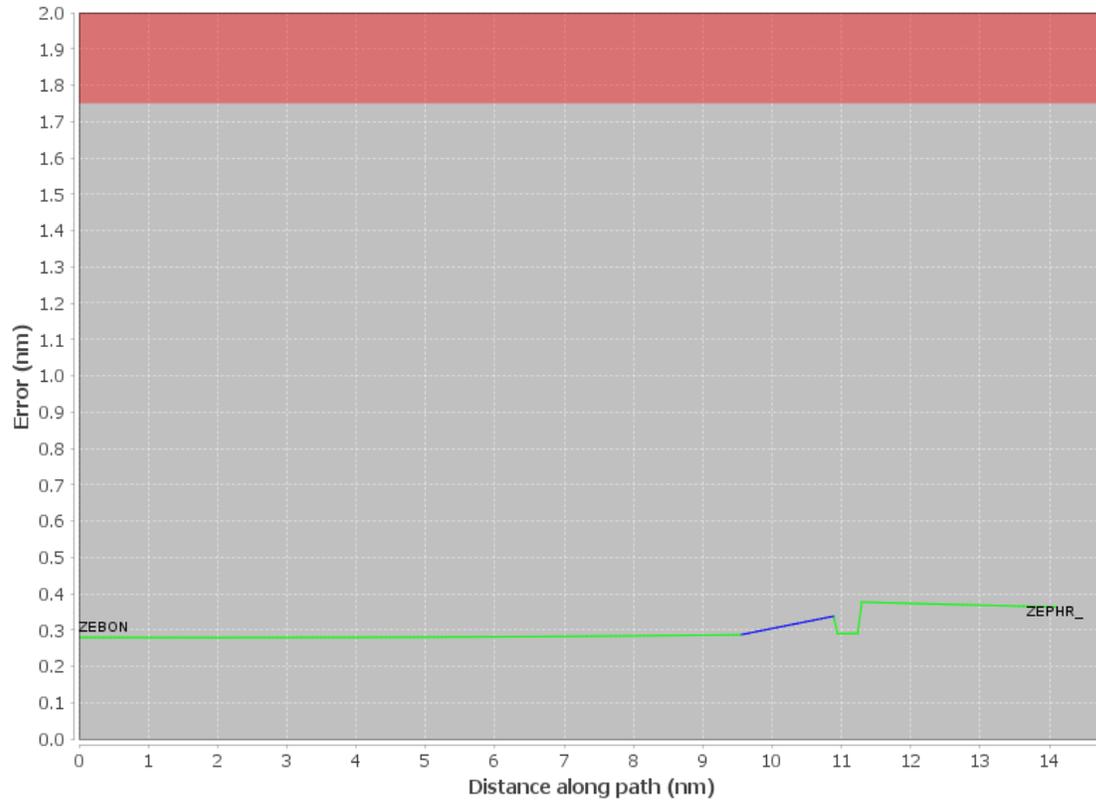
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ZEBON	ZEPHR_	MCF, LAL, ORL	

DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRG FAA 698166-35 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-35	
ESV:		Bearing [True]: 237.0° to 300.0° Bearing [Mag]: 240.0° to 303.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		
2	AYS FAA 698108-10 AYS	N31° 16' 09.931000000", W082° 33' 23.204000000"	0.0 E	40	154.8	110.2	AYS FAA 698108-10	
ESV:		Bearing [True]: 148.0° to 215.0° Bearing [Mag]: 148.0° to 215.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18200.0 ft		
3	CTY FAA 704013-62 CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	33.8	112.0	CTY FAA 704013-62	
ESV:		Bearing [True]: 67.0° to 76.0° Bearing [Mag]: 69.0° to 78.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 18100.0 ft		
4	SGJ NG 950056-6 SGJ	N29° 57' 24.227600000", W081° 19' 48.772800000"	6.0 W	25	5.9	109.4	SGJ NG 950056-6	
ESV:		Bearing [True]: 224.0° to 239.0° Bearing [Mag]: 230.0° to 245.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 12100.0 ft		
5	CRG FAA 698166-37 CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-37	
ESV:		Bearing [True]: 225.0° to 236.0° Bearing [Mag]: 228.0° to 239.0°				Arc Distance: Out to 52.0 NM Altitude: 2900.0 to 14600.0 ft		
6	GEF FAA 220739-3 GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	220	113.65	GEF FAA 220739-3	
ESV:		Bearing [True]: 71.0° to 90.0° Bearing [Mag]: 70.0° to 89.0°				Arc Distance: Out to 55.0 NM Altitude: 2900.0 to 18300.0 ft		
7	OTK FAA 872007-17 OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	199.3	114.8	OTK FAA 872007-17	
ESV:		Bearing [True]: 111.0° to 128.0° Bearing [Mag]: 113.0° to 130.0°				Arc Distance: Out to 51.0 NM Altitude: 2900.0 to 14700.0 ft		
8	ORL FAA 694096-79 ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-79	
ESV:		Bearing [True]: 251.0° to 293.0° Bearing [Mag]: 251.0° to 293.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14700.0 ft		
9	OMN FAA 694106-20 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
10	OMN FAA 694106-65 OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-65	
ESV:		Bearing [True]: 269.0° to 284.0° Bearing [Mag]: 269.0° to 284.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		

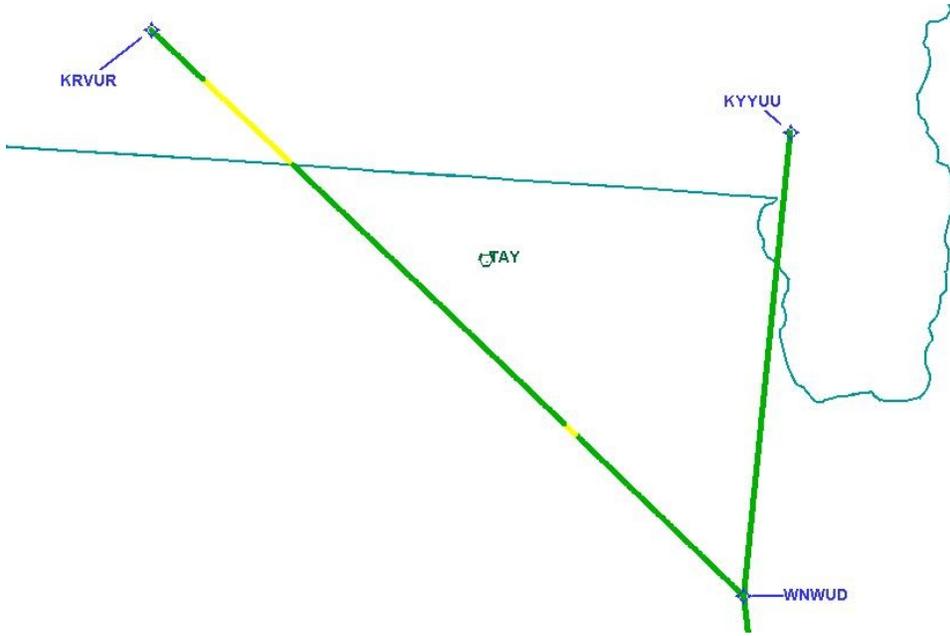
DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

DME Error



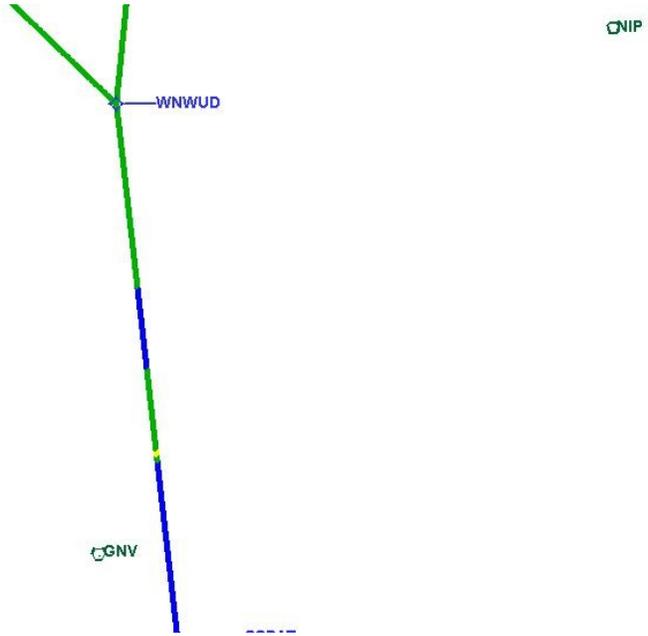
DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

Graphic Depiction 2



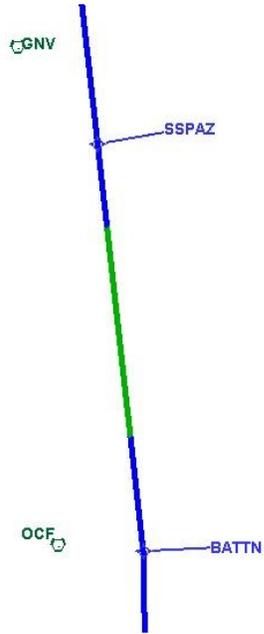
DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

Graphic Depiction 3



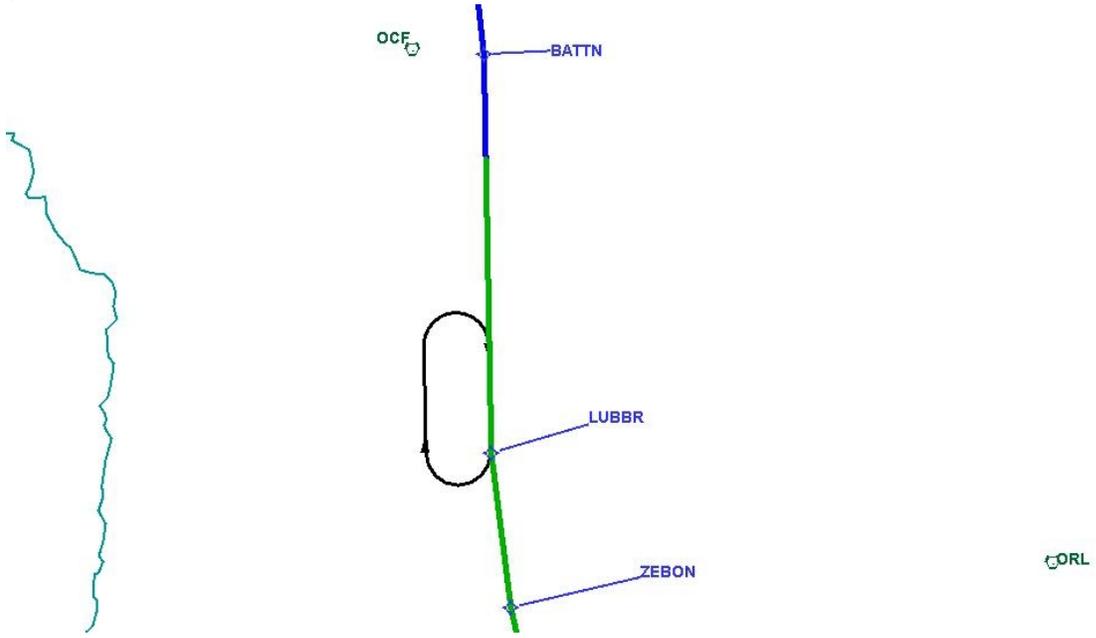
DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

Graphic Depiction 4



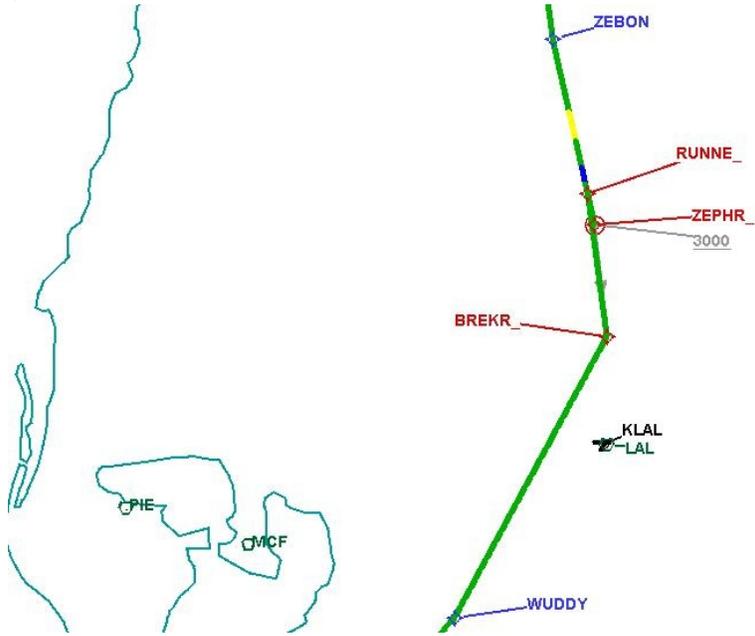
DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

Graphic Depiction 5



DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

Graphic Depiction 6



DME DME Assessment Results for LUBBR4 path ZEBON_ZEPHR_

Graphic Depiction 7

