

DME DME Assessment Results for ROKNN4 path DEVOH_KWENE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\DEVOH_KWENE\KCLE ROKNN4 RNAV STAR DEVOH KWENE 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
DEVOH	WP	N41° 03' 03.7300", W082° 21' 03.4100"	8000	VNAV	280	FLY_BY	TF
KINCS	WP	N41° 06' 08.2900", W082° 17' 23.9100"	7000	VNAV	280	FLY_BY	TF
KWENE	WP	N41° 13' 30.5080", W082° 08' 53.5110"	6000	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCLE [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 ROKNN4 path DEVOH_KWENE

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:	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	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	100 %	100 %
2	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	85.5 %	85.5 %
3	MFD	N40° 52' 07.0036", W082° 35' 27.4614"	3.0 W	40	L		NO	Enabled	100 %	100 %
4	CXR	N41° 31' 00.9405", W081° 09' 47.4692"	5.0 W	130	DH		NO	Enabled	100 %	100 %
5	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	65.4 %	65.4 %
6	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	37.2 %	37.2 %

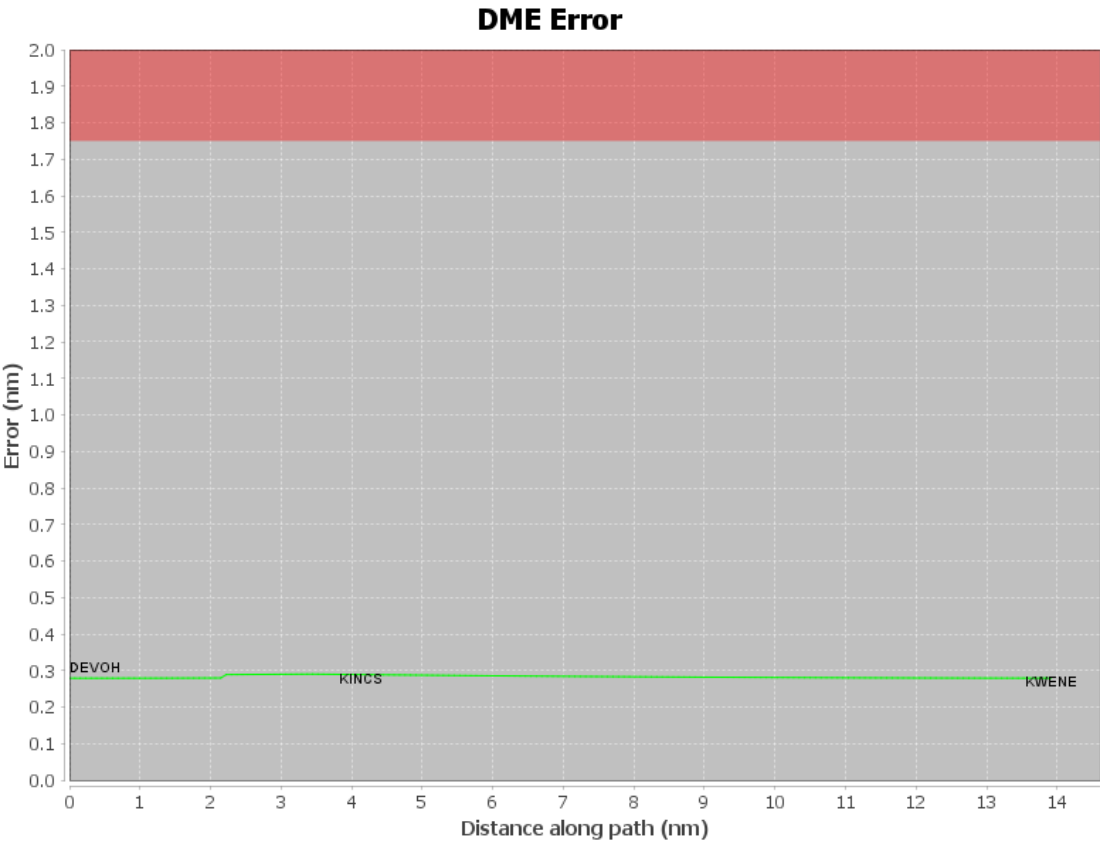
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BSV	DJB	ZZV	CXR	CRL	MFD
2.2	ZZV	CXR	BSV	MFD	CRL	
6.0	BSV	MFD	ZZV	CXR		
7.5	BSV	MFD	DJB	ZZV	CXR	
8.8	BSV	MFD	DJB	CXR		
9.3	BSV	MFD	CRL	ZZV	CXR	
12.5	BSV	MFD	CXR	DJB		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DEVOH	KINCS	BSV, ZZV, MFD, CXR, CRL, DJB	
KINCS	KWENE	BSV, ZZV, MFD, CXR, CRL, DJB	

DME DME Assessment Results for ROKNN4 path DEVOH_KWENE

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

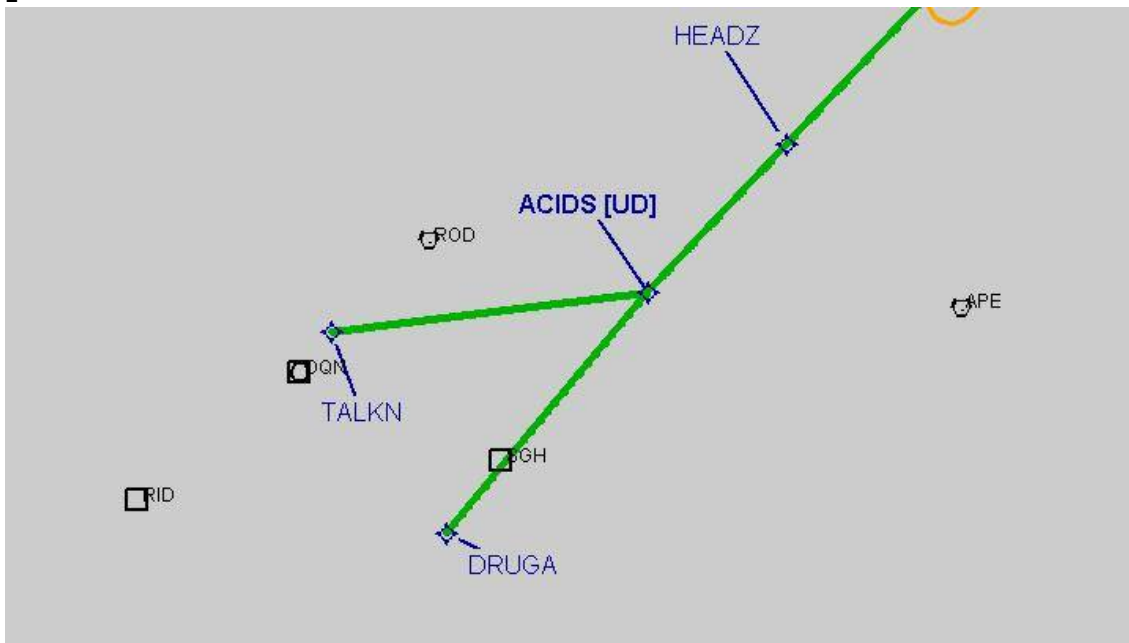


DME DME Assessment Results for ROKNN4 path DEVOH_KWENE

Graphic Depiction 1

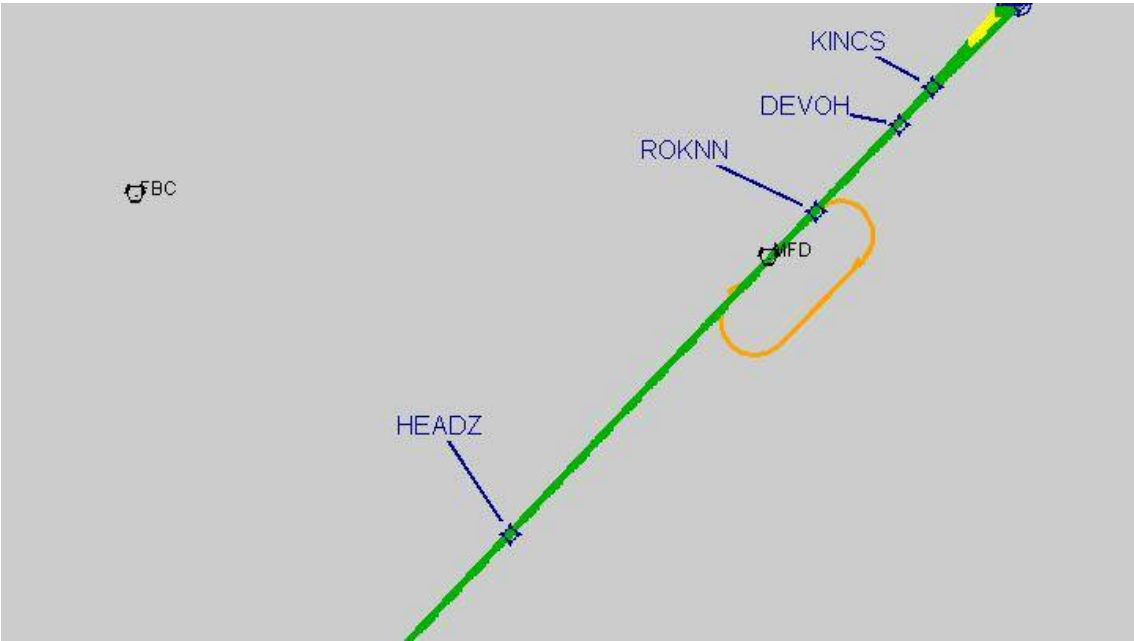


Graphic Depiction 2



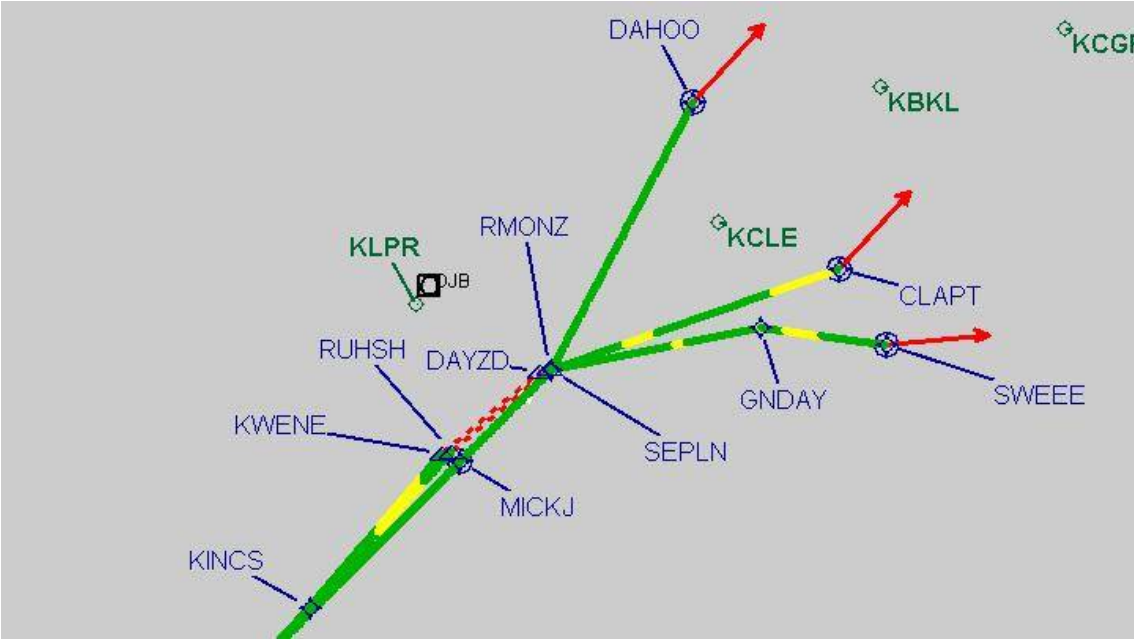
DME DME Assessment Results for ROKNN4 path DEVOH_KWENE

Graphic Depiction 3



DME DME Assessment Results for ROKNN4 path DEVOH_KWENE

Graphic Depiction 4



DME DME Assessment Results for ROKNN4 path DEVOH_MICKJ

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\DEVOH_MICKJ\KCLE ROKNN4 RNAV STAR DEVOH MICKJ 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
DEVOH	WP	N41° 03' 03.7300", W082° 21' 03.4100"	8000	VNAV	280	FLY_BY	TF
MICKJ	WP	N41° 13' 05.7800", W082° 07' 46.9700"	8000	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLE [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 ROKNN4 path DEVOH_MICKJ

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:	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	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	100 %	100 %
2	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	100 %	100 %
3	MFD	N40° 52' 07.0036", W082° 35' 27.4614"	3.0 W	40	L		NO	Enabled	100 %	100 %
4	CXR	N41° 31' 00.9405", W081° 09' 47.4692"	5.0 W	130	DH		NO	Enabled	100 %	100 %
5	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	100 %	100 %
6	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	39.9 %	39.9 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BSV	DJB	ZZV	CXR	CRL	MFD
2.2	ZZV	CXR	BSV	MFD	CRL	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DEVOH	MICKJ	BSV, ZZV, MFD, CXR, CRL, DJB	

DME DME Assessment Results for ROKNN4 path DEVOH_MICKJ

User Data Files

#	File Name
None	

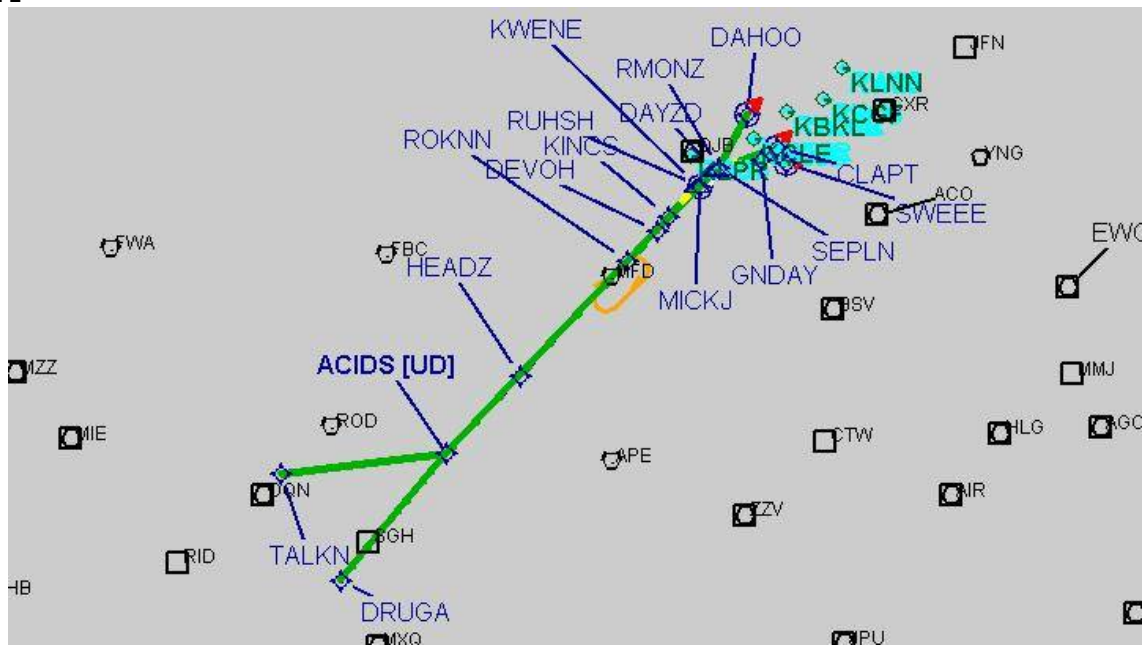
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

DME DME Assessment Results for ROKNN4 path DEVOH_MICKJ

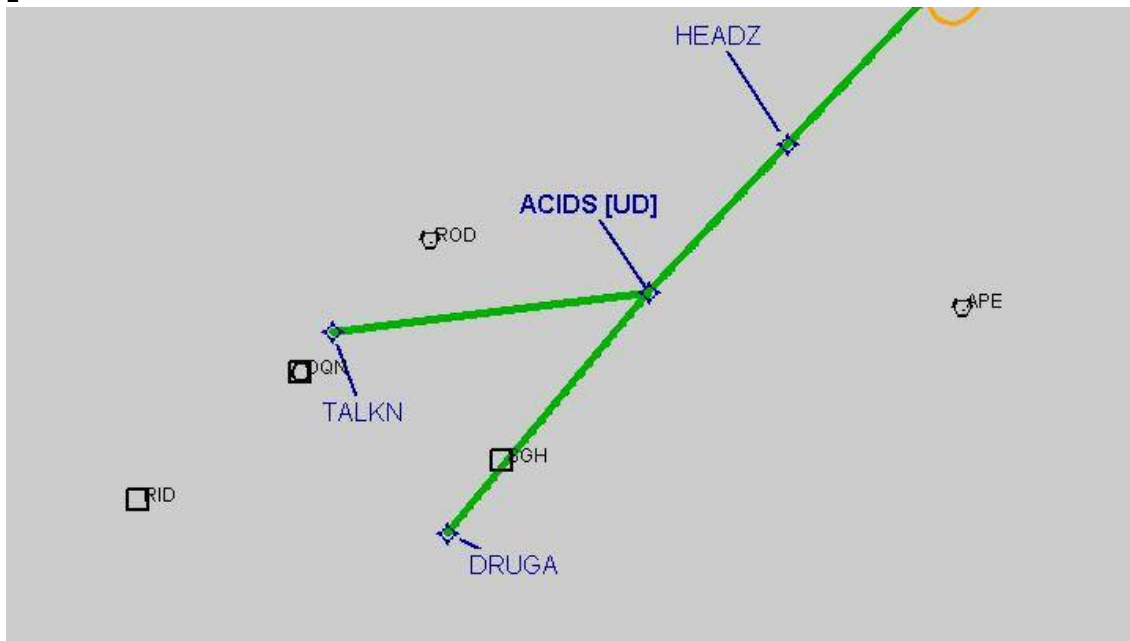


Graphic Depiction 1



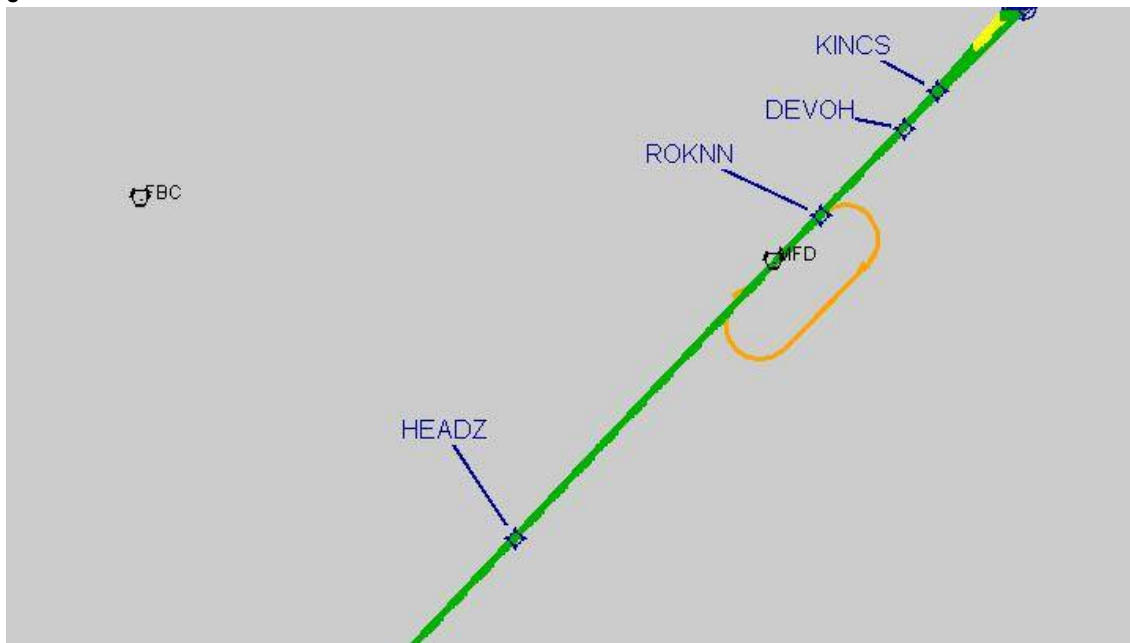
DME DME Assessment Results for ROKNN4 path DEVOH_MICKJ

Graphic Depiction 2



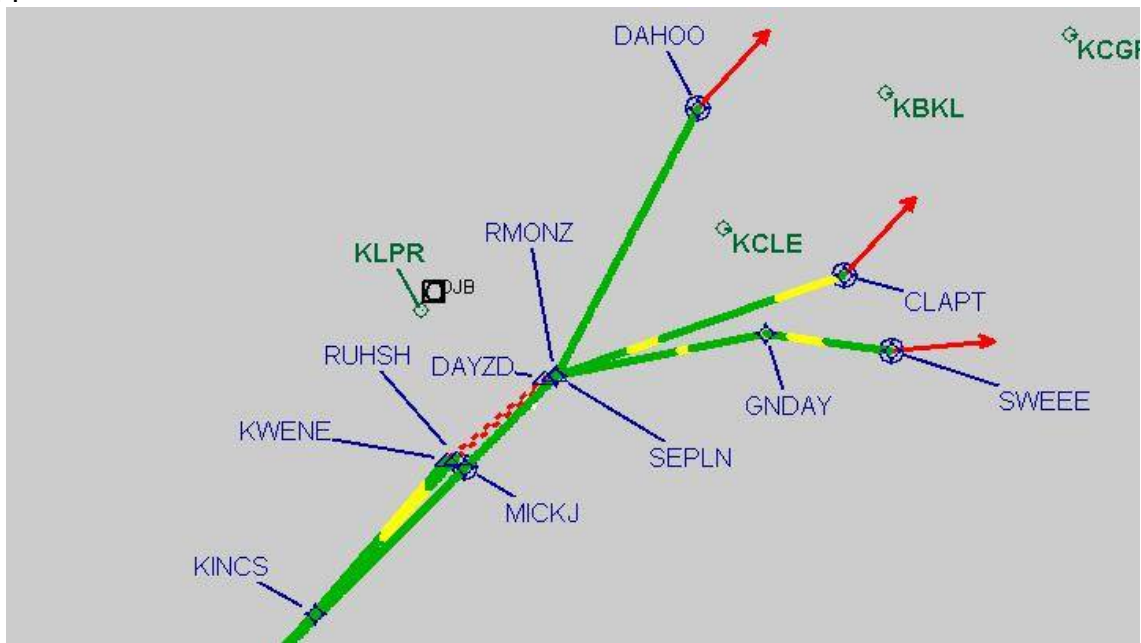
DME DME Assessment Results for ROKNN4 path DEVOH_MICKJ

Graphic Depiction 3



DME DME Assessment Results for ROKNN4 path DEVOH_MICKJ

Graphic Depiction 4



DME DME Assessment Results for ROKNN4 path DRUGA_SWEEE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\DRUGA_SWEEE\KCLE ROKNN4 RNAV STAR DRUGA SWEEE 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
DRUGA	WP	N39° 41' 16.7000", W083° 59' 48.6100"	10000	VNAV	280	FLY_BY	TF
ACIDS	WP	N40° 10' 54.1700", W083° 26' 49.4300"	10000	VNAV	280	FLY_BY	TF
HEADZ	WP	N40° 29' 10.9900", W083° 03' 55.3100"	10000	VNAV	280	FLY_BY	TF
ROKNN	WP	N40° 55' 52.3400", W082° 30' 14.1600"	9000	VNAV	280	FLY_BY	TF
DEVOH	WP	N41° 03' 03.7300", W082° 21' 03.4100"	8000	VNAV	280	FLY_BY	TF
SEPLN	WP	N41° 17' 30.3300", W082° 01' 55.8900"	8000	VNAV	280	FLY_BY	TF
GNDAY	WP	N41° 19' 31.9400", W081° 48' 35.9200"	7000	VNAV	280	FLY_BY	TF
SWEEE	WP	N41° 18' 42.7390", W081° 40' 35.8760"	7000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLE [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 ROKNN4 path DRUGA_SWEEE

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:	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	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	19.4 %	19.4 %
2	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	77.9 %	77.9 %
3	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	30.9 %	30.9 %
4	ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	H		NO	Enabled	35.9 %	35.9 %
5	MXQ	N39° 25' 46.9029", W083° 48' 04.4622"	4.0 W	25	T		NO	Enabled	5.2 %	5.2 %
6	MFD	N40° 52' 07.0036", W082° 35' 27.4614"	3.0 W	40	L		NO	Enabled	47.3 %	47.3 %
7	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	19.2 %	19.2 %
8	SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	T		NO	Enabled	18.6 %	18.6 %
9	APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	H		NO	Enabled	29 %	29 %
10	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	94.6 %	94.6 %
11	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	65.9 %	65.9 %
12	CXR	N41° 31' 00.9405", W081° 09' 47.4692"	5.0 W	130	DH		NO	Enabled	50.4 %	50.4 %
13	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	77.2 %	77.2 %

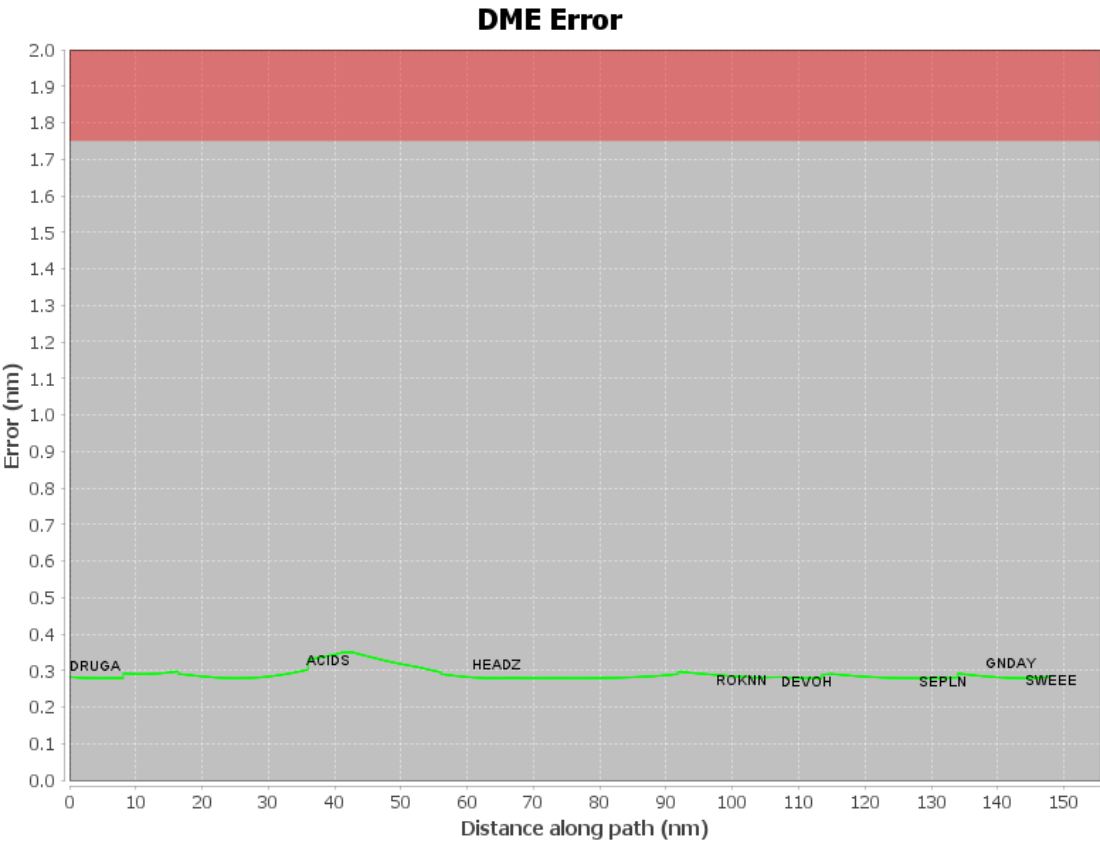
DME DME Assessment Results for ROKNN4 path DRUGA_SWEEE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	DQN	SGH	MXQ	SHB	ROD	FLM
7.8	DQN	SGH	FLM	SHB	ROD	ZZV
8.2	FLM	DQN	SHB	ROD	ZZV	
28.5	ROD	SGH	FLM	DJB	ZZV	DQN
28.7	ROD	SGH	FLM	DJB	ZZV	
36.0	ROD	FLM	DJB	ZZV	BSV	
45.8	ZZV	DJB	APE	ROD	BSV	
53.3	APE	DJB	ZZV	BSV	CRL	
86.4	ZZV	MFD	DJB	CXR	BSV	CRL
91.8	ZZV	CXR	DJB	BSV	CRL	
113.5	ZZV	CXR	BSV	MFD	CRL	
134.0	BSV	CXR	ZZV	DJB	CRL	
138.3	BSV	CXR	CRL	DJB		
141.9	BSV	CXR	ZZV	DJB	CRL	
142.0	BSV	CXR	DJB	CRL		
143.1	BSV	CXR	ZZV	DJB	CRL	
144.9	BSV	CXR	DJB			

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DRUGA	ACIDS	DQN, BSV, SGH, FLM, ROD, MXQ, ZZV, SHB, DJB	
ACIDS	HEADZ	BSV, FLM, ROD, APE, ZZV, MFD, CRL, DJB	
HEADZ	ROKNN	BSV, APE, ZZV, MFD, CRL, CXR, DJB	
ROKNN	DEVOH	BSV, ZZV, MFD, CXR, CRL, DJB	
DEVOH	SEPLN	BSV, ZZV, MFD, CXR, CRL, DJB	
SEPLN	GNDAY	BSV, ZZV, MFD, CRL, CXR, DJB	
GNDAY	SWEEE	BSV, ZZV, CXR, CRL, DJB	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

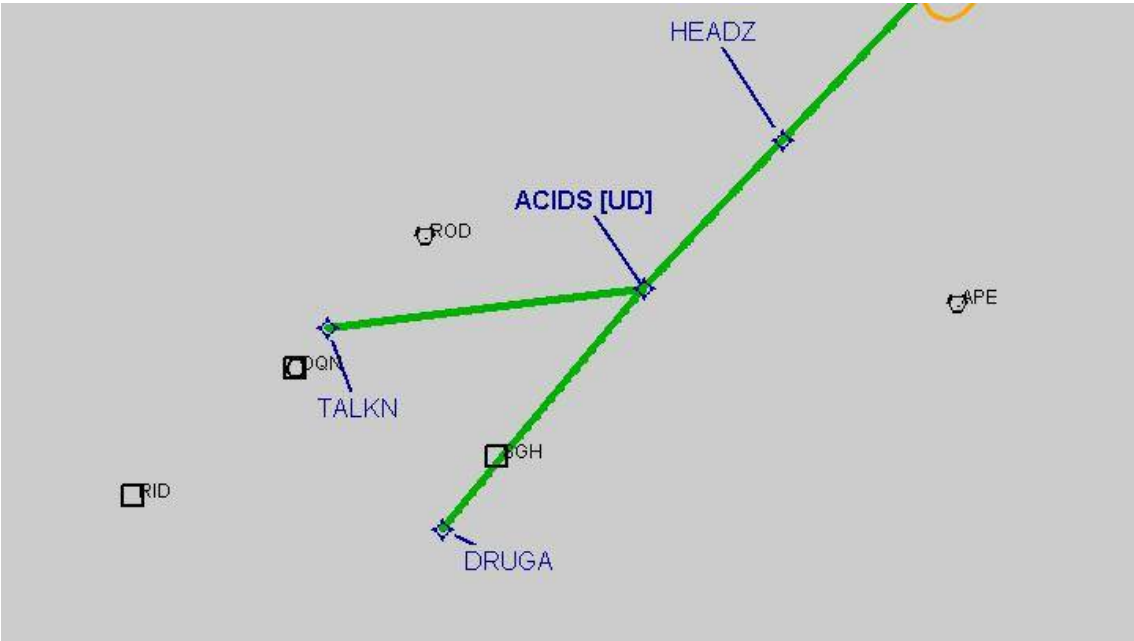


DME DME Assessment Results for ROKNN4 path DRUGA_SWEEE

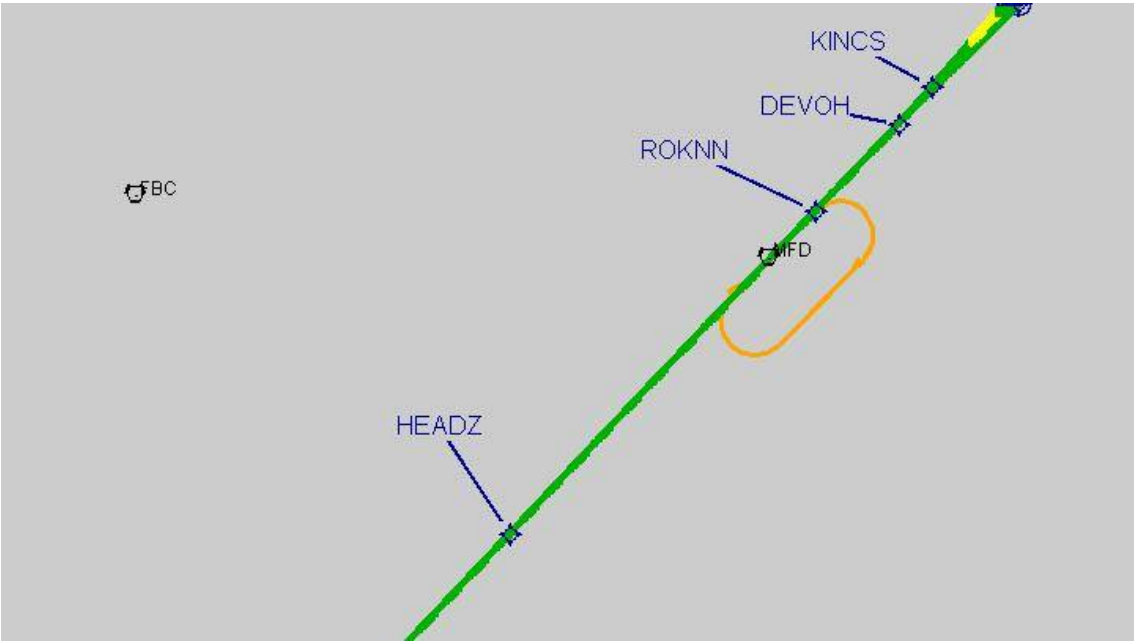
Graphic Depiction 1



Graphic Depiction 2

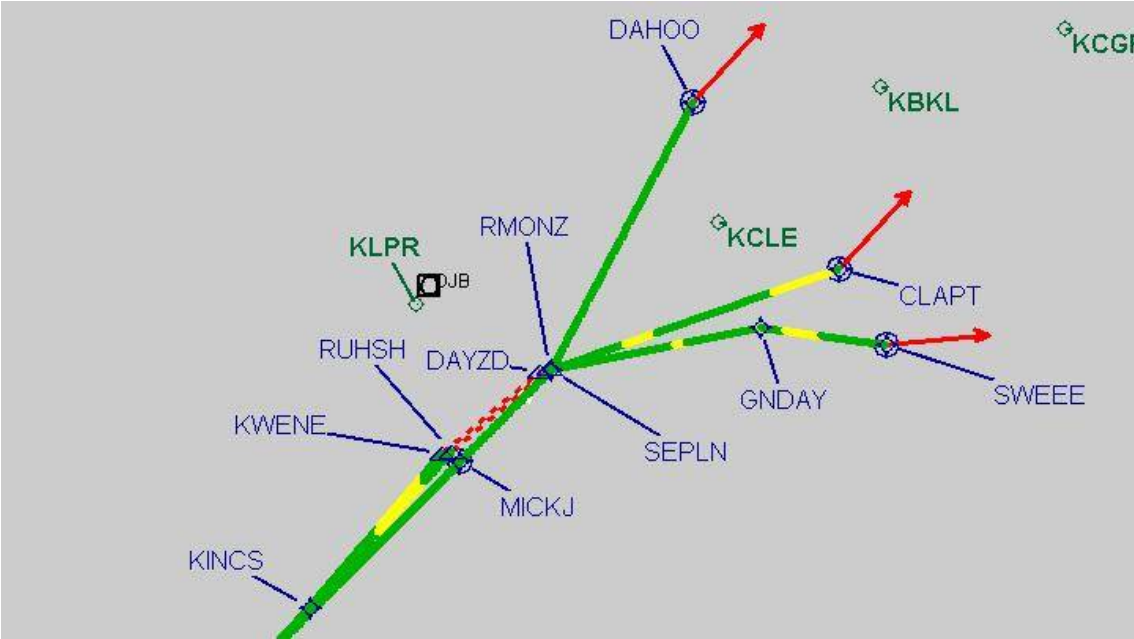


Graphic Depiction 3



DME DME Assessment Results for ROKNN4 path DRUGA_SWEEE

Graphic Depiction 4



DME DME Assessment Results for ROKNN4 path HEADZ_DRUGA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\HEADZ_DRUGA\KCLE ROKNN4 RNAV STAR HEADZ DRUGA 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
HEADZ	WP	N40° 29' 10.9900", W083° 03' 55.3100"	10000	VNAV	280	FLY_BY	TF
ACIDS	WP	N40° 10' 54.1700", W083° 26' 49.4300"	10000	VNAV	280	FLY_BY	TF
DRUGA	WP	N39° 41' 16.7000", W083° 59' 48.6100"	10000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KCLE [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 ROKNN4 path HEADZ_DRUGA

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:	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	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	44.6 %	44.6 %
2	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	49.1 %	49.1 %
3	SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	T		NO	Enabled	42.9 %	42.9 %
4	APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	H		NO	Enabled	32.5 %	32.5 %
5	ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	H		NO	Enabled	82.7 %	82.7 %
6	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	71.1 %	71.1 %
7	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	100 %	100 %
8	MXQ	N39° 25' 46.9029", W083° 48' 04.4622"	4.0 W	25	T		NO	Enabled	12 %	12 %
9	MFD	N40° 52' 07.0036", W082° 35' 27.4614"	3.0 W	40	L		NO	Enabled	12.8 %	12.8 %
10	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	26.6 %	26.6 %
11	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	44.2 %	44.2 %
12	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	65 %	65 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MFD	APE	DJB	ZZV	BSV	CRL
8.3	APE	DJB	ZZV	BSV	CRL	
17.2	ZZV	DJB	APE	ROD	BSV	
21.0	ZZV	DJB	FLM	ROD	BSV	
31.7	ROD	SGH	FLM	DJB	ZZV	
41.8	ROD	SGH	FLM	DQN	ZZV	SHB
47.9	FLM	DQN	SHB	ROD	ZZV	

DME DME Assessment Results for ROKNN4 path HEADZ_DRUGA

Inertial Drift Segments

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

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
HEADZ	ACIDS	BSV, APE, ROD, FLM, ZZV, MFD, CRL, DJB	
ACIDS	DRUGA	DQN, BSV, SGH, FLM, ROD, ZZV, MXQ, SHB, DJB	

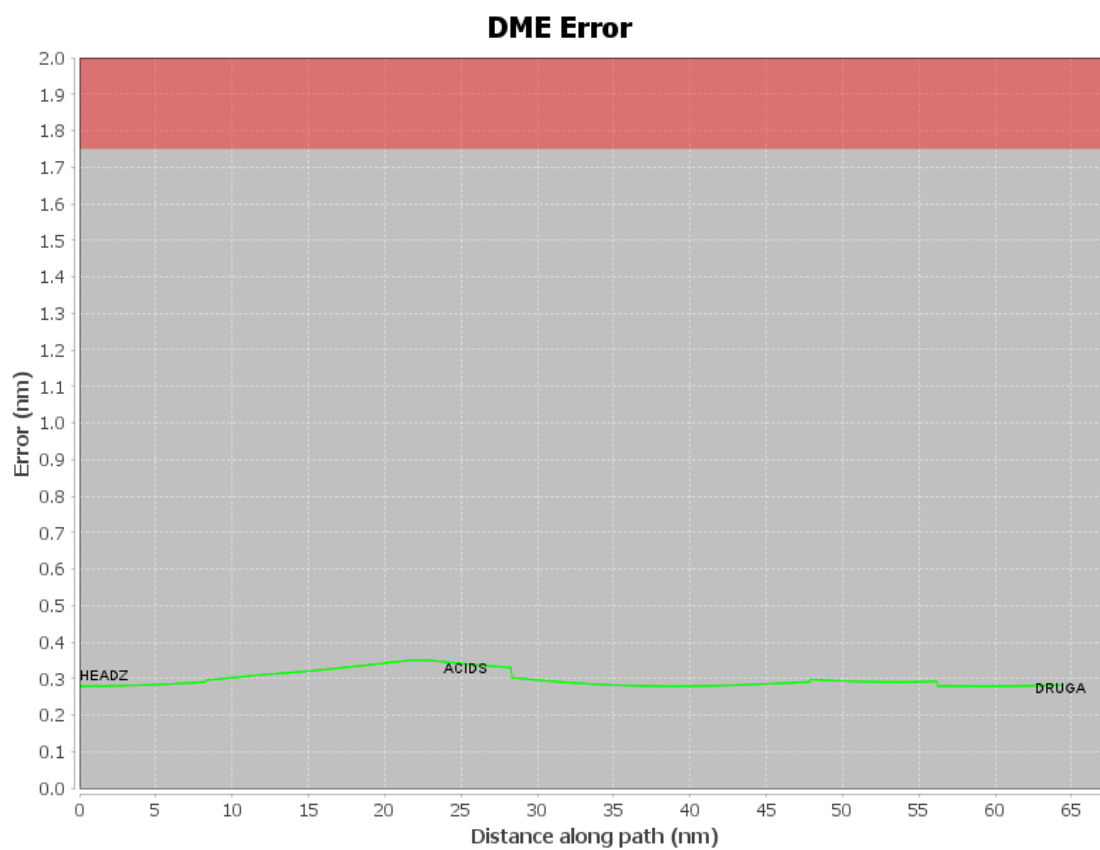
User Data Files

#	File Name
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User DMEs

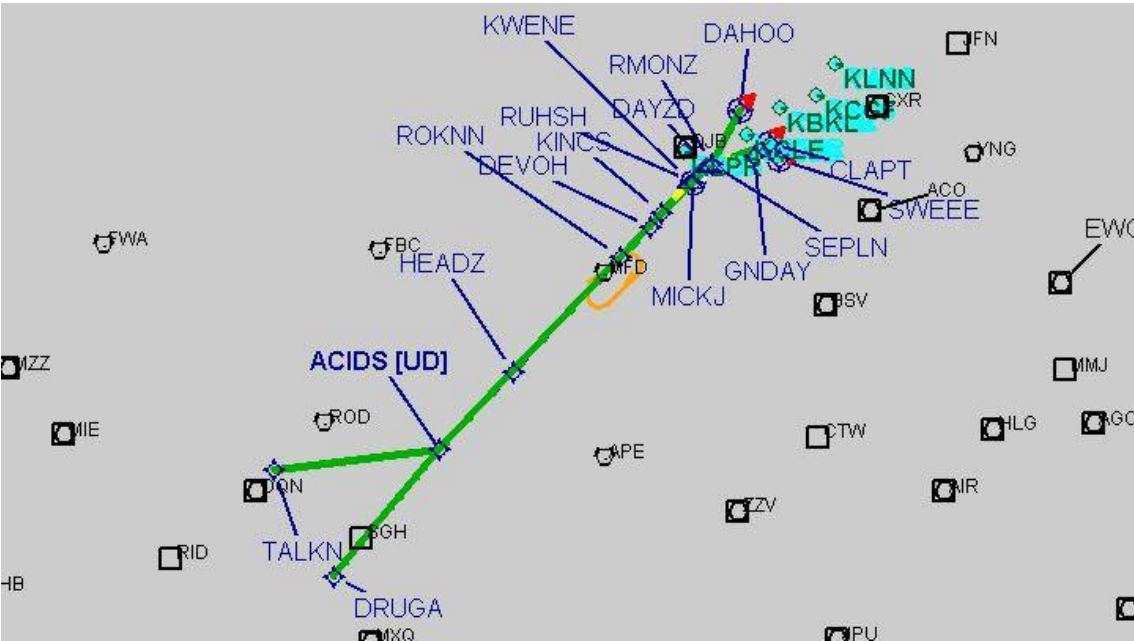
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

DME DME Assessment Results for ROKNN4 path HEADZ_DRUGA



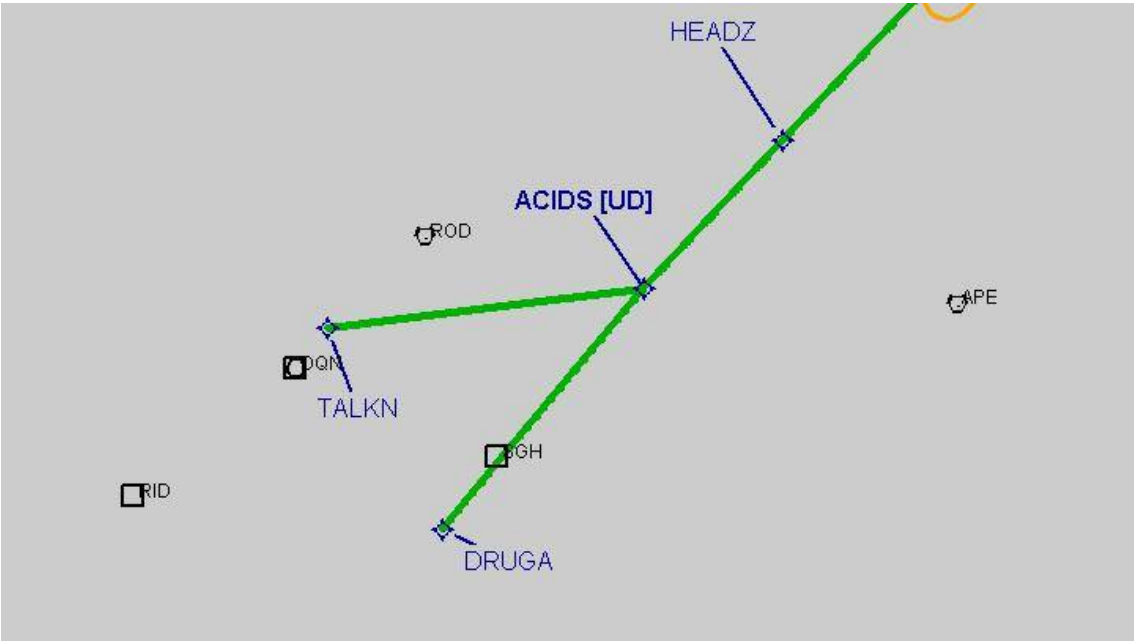
DME DME Assessment Results for ROKNN4 path HEADZ_DRUGA

Graphic Depiction 1



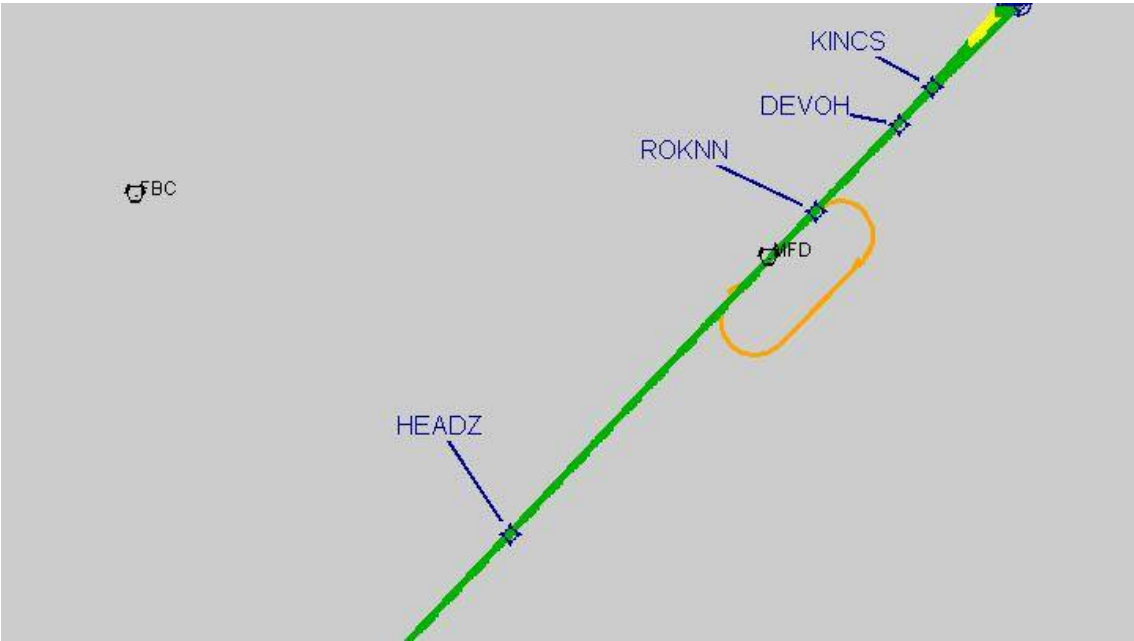
DME DME Assessment Results for ROKNN4 path HEADZ_DRUGA

Graphic Depiction 2



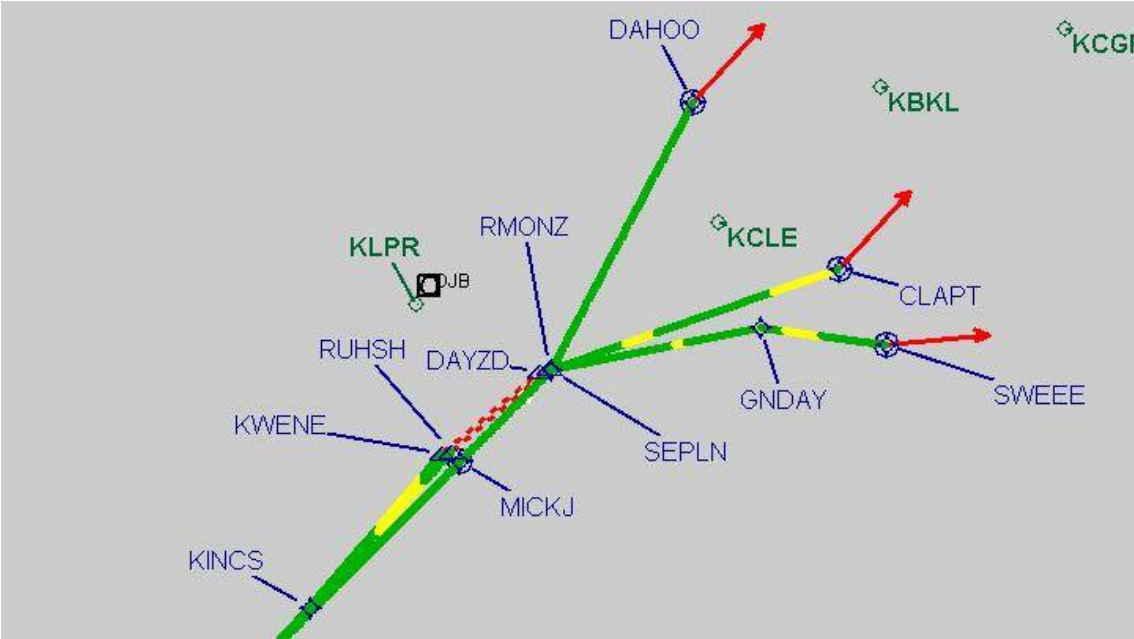
DME DME Assessment Results for ROKNN4 path HEADZ_DRUGA

Graphic Depiction 3



DME DME Assessment Results for ROKNN4 path HEADZ_DRUGA

Graphic Depiction 4



DME DME Assessment Results for ROKNN4 path KINCS_RUHS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\KINCS_RUHS\KCLE ROKNN4 RNAV STAR KINCS RUHS 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
KINCS	WP	N41° 06' 08.2900", W082° 17' 23.9100"	7000	VNAV	280	FLY_BY	TF
RUHS	WP	N41° 13' 35.2200", W082° 08' 20.7800"	6000	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLE [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 ROKNN4 path KINCS_RUHS

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:	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	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	100 %	100 %
2	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	77.7 %	77.7 %
3	MFD	N40° 52' 07.0036", W082° 35' 27.4614"	3.0 W	40	L		NO	Enabled	100 %	100 %
4	CXR	N41° 31' 00.9405", W081° 09' 47.4692"	5.0 W	130	DH		NO	Enabled	100 %	100 %
5	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	49.2 %	49.2 %
6	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	33.1 %	33.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BSV	MFD	ZZV	CXR	CRL	
1.9	BSV	MFD	ZZV	CXR		
3.4	BSV	MFD	DJB	ZZV	CXR	
4.7	BSV	MFD	DJB	CXR		
4.9	BSV	MFD	CRL	ZZV	CXR	
8.2	BSV	MFD	CXR	DJB		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KINCS	RUHS	BSV, ZZV, MFD, CXR, CRL, DJB	

DME DME Assessment Results for ROKNN4 path KINCS_RUHSB

User Data Files

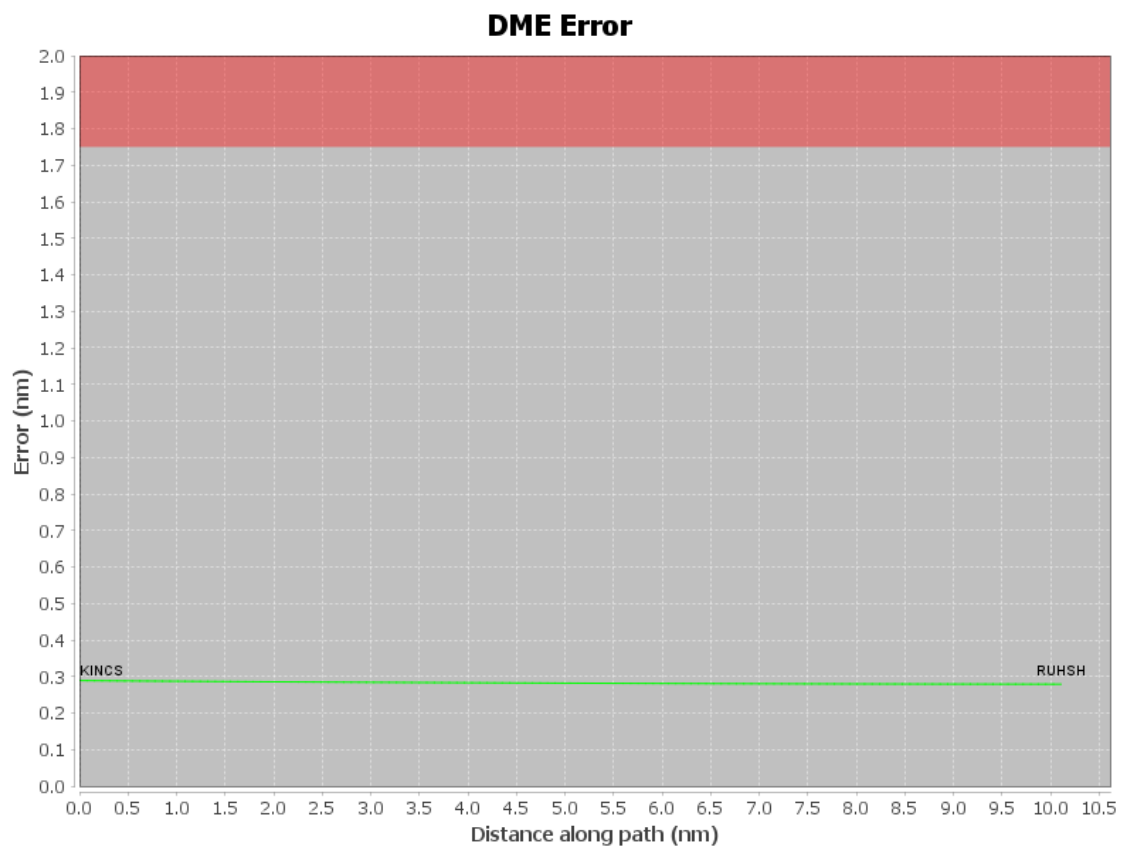
File Name

None

User DMEs

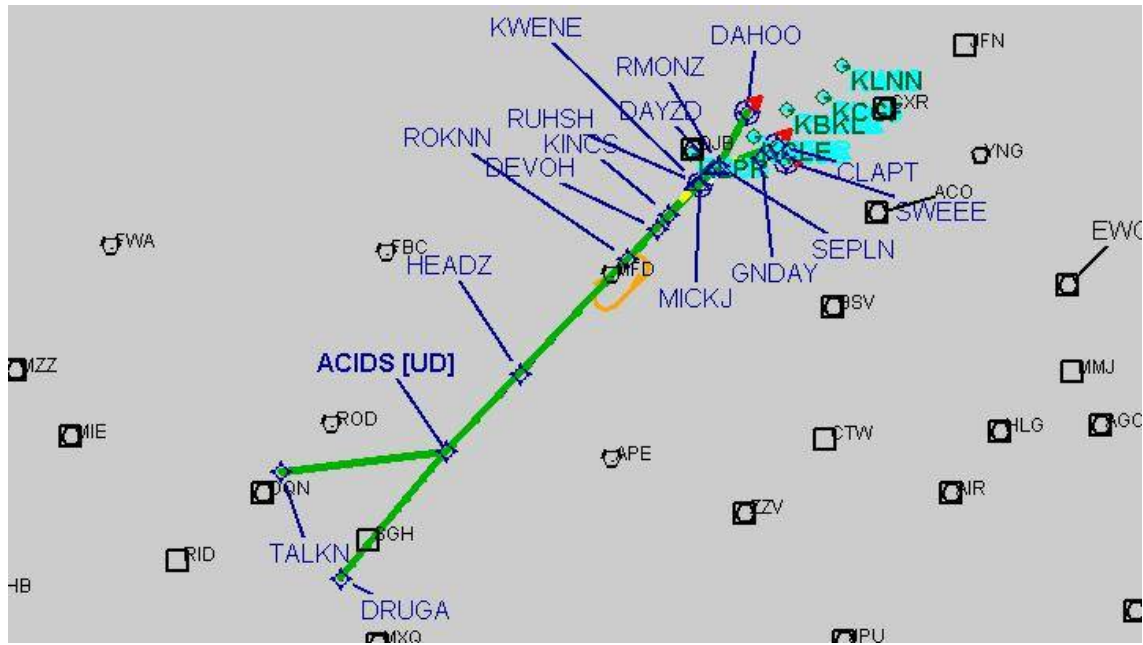
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

DME DME Assessment Results for ROKNN4 path KINCS_RUHS



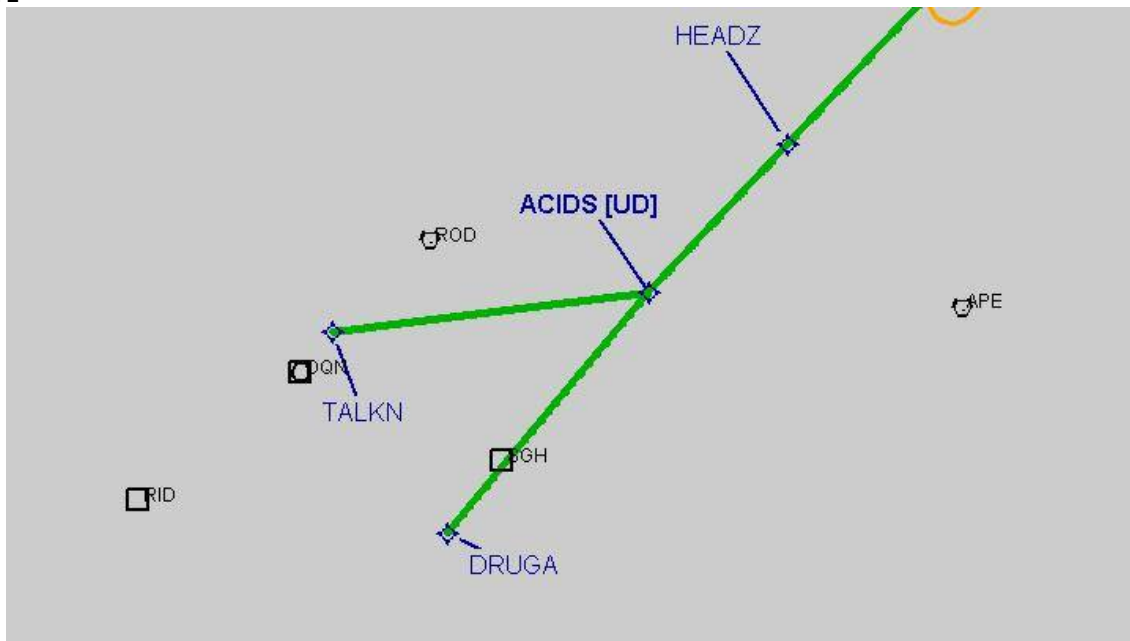
DME DME Assessment Results for ROKNN4 path KINCS_RUHS

Graphic Depiction 1



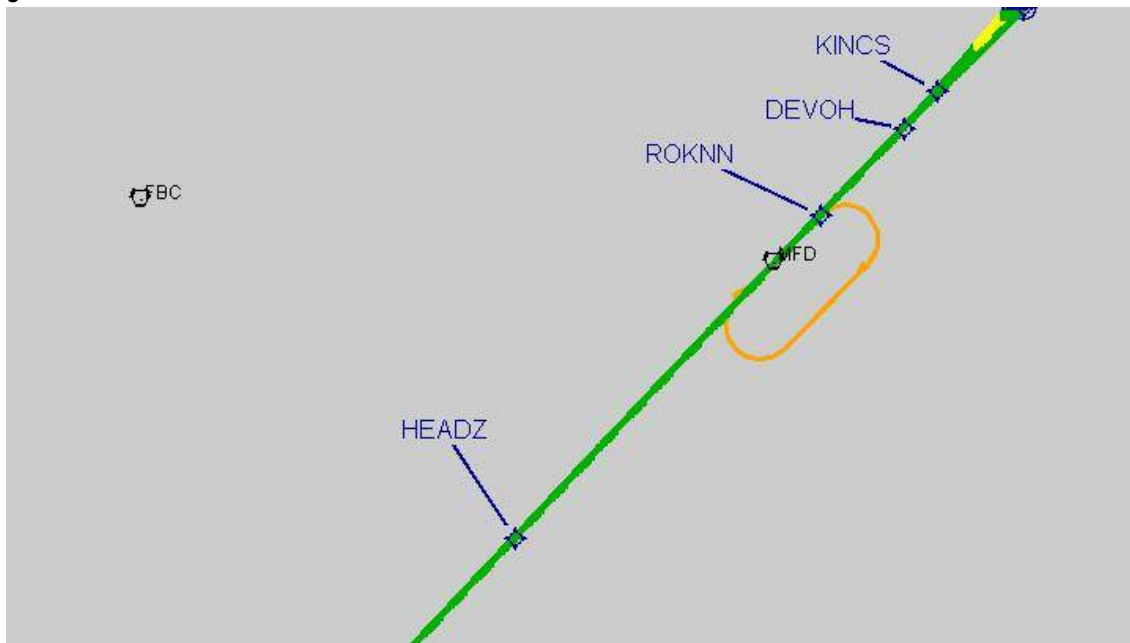
DME DME Assessment Results for ROKNN4 path KINCS_RUHS

Graphic Depiction 2



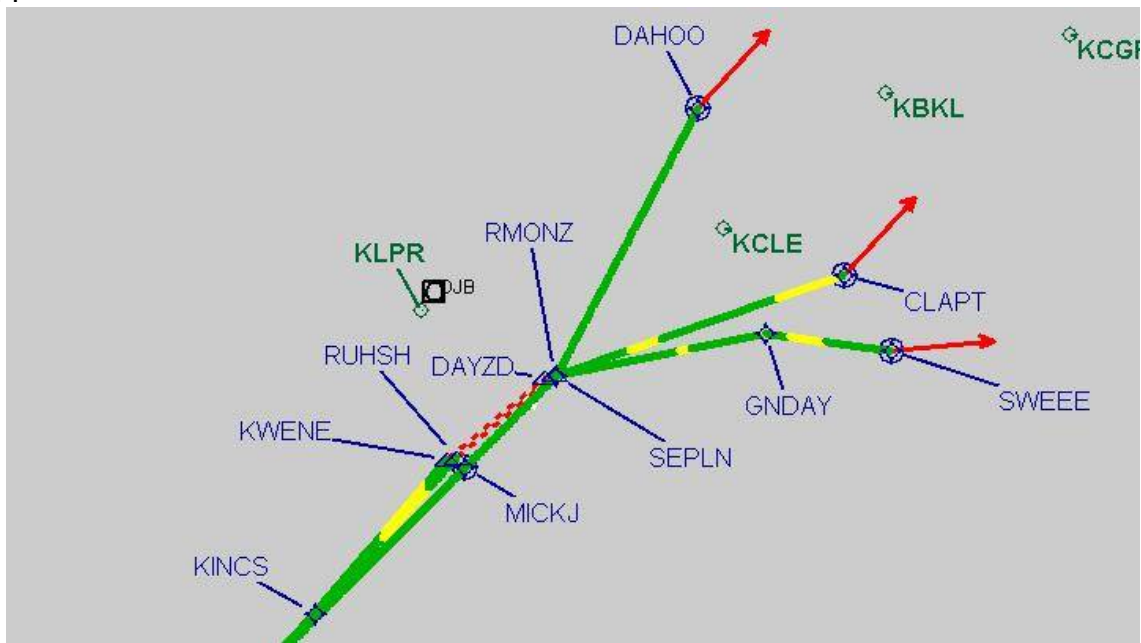
DME DME Assessment Results for ROKNN4 path KINCS_RUHS

Graphic Depiction 3



DME DME Assessment Results for ROKNN4 path KINCS_RUHSH

Graphic Depiction 4



DME DME Assessment Results for ROKNN4 path SEPLN_CLAPT

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\SEPLN_CLAPT\KCLE ROKNN4 RNAV STAR SEPLN CLAPT 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
SEPLN	WP	N41° 17' 30.3300", W082° 01' 55.8900"	8000	VNAV	280	FLY_BY	TF
CLAPT	WP	N41° 22' 20.6310", W081° 43' 32.2150"	7000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLE [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 ROKNN4 path SEPLN_CLAPT

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:	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	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	100 %	100 %
2	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	57.7 %	57.7 %
3	MFD	N40° 52' 07.0036", W082° 35' 27.4614"	3.0 W	40	L		NO	Enabled	23.3 %	23.3 %
4	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	98.4 %	98.4 %
5	CXR	N41° 31' 00.9405", W081° 09' 47.4692"	5.0 W	130	DH		NO	Enabled	100 %	100 %
6	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BSV	MFD	DJB	CXR	CRL	ZZV
2.6	BSV	CXR	ZZV	DJB	CRL	
5.4	BSV	CXR	CRL	DJB		
11.3	BSV	CXR	ZZV	DJB	CRL	
14.5	BSV	CXR	DJB			

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SEPLN	CLAPT	BSV, ZZV, MFD, CRL, CXR, DJB	

DME DME Assessment Results for ROKNN4 path SEPLN_CLAPT

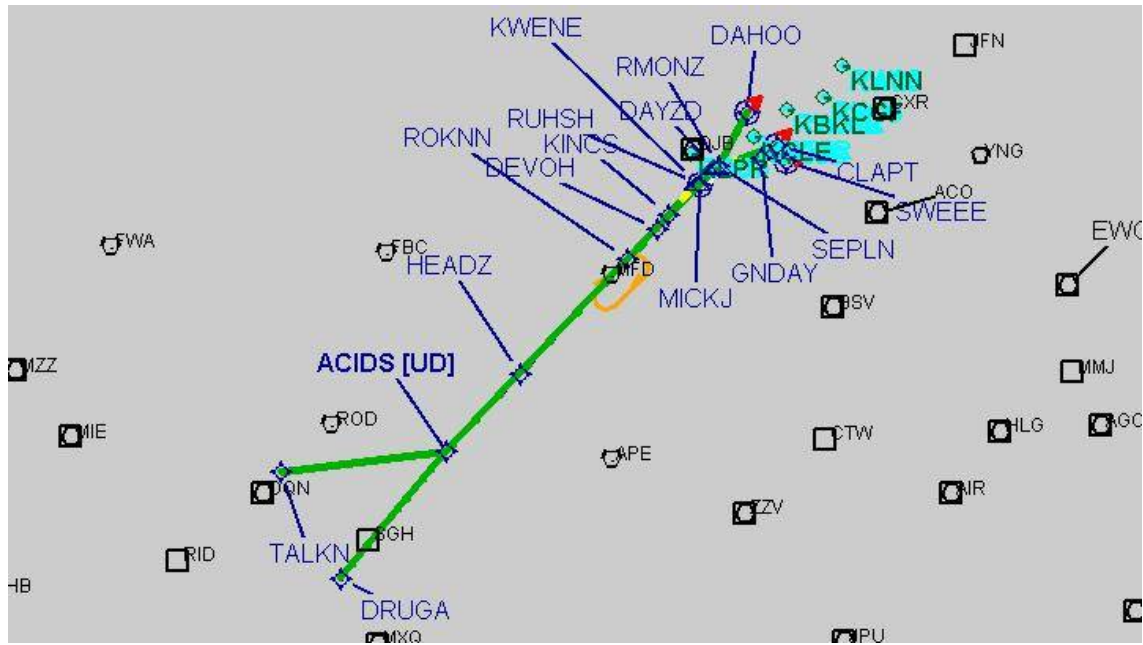
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

DME DME Assessment Results for ROKNN4 path SEPLN_CLAPT



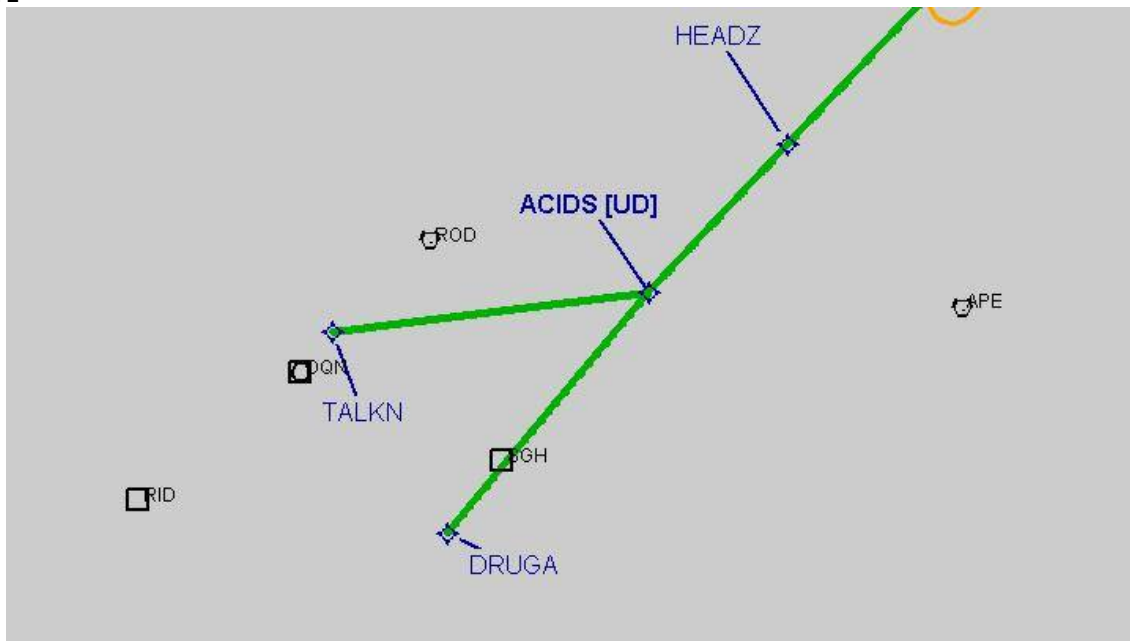
DME DME Assessment Results for ROKNN4 path SEPLN_CLAPT

Graphic Depiction 1



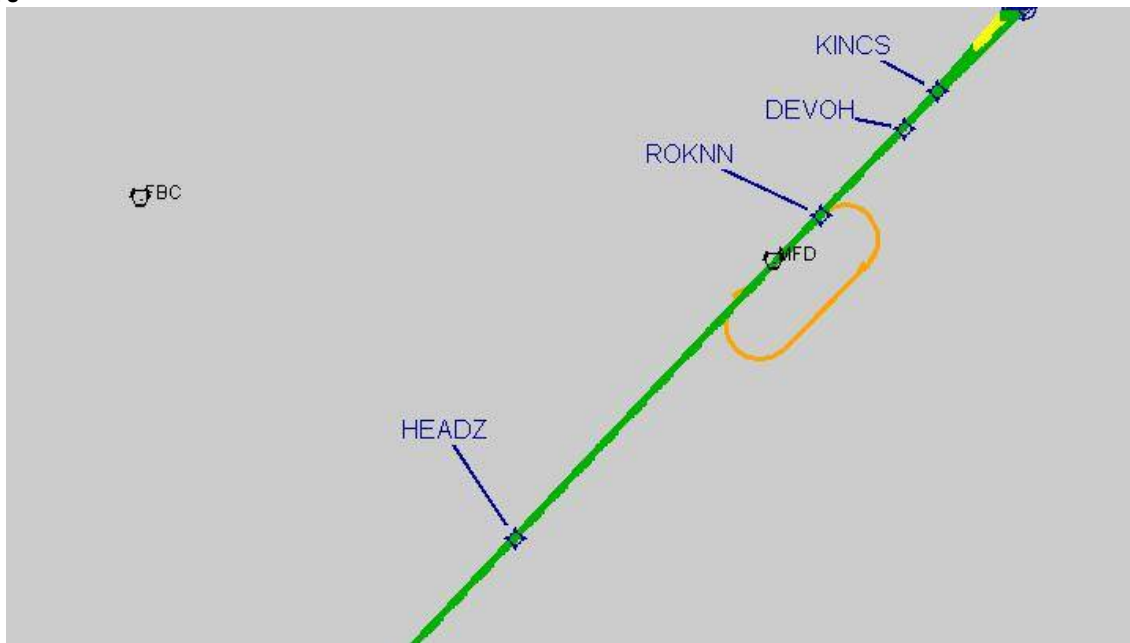
DME DME Assessment Results for ROKNN4 path SEPLN_CLAPT

Graphic Depiction 2



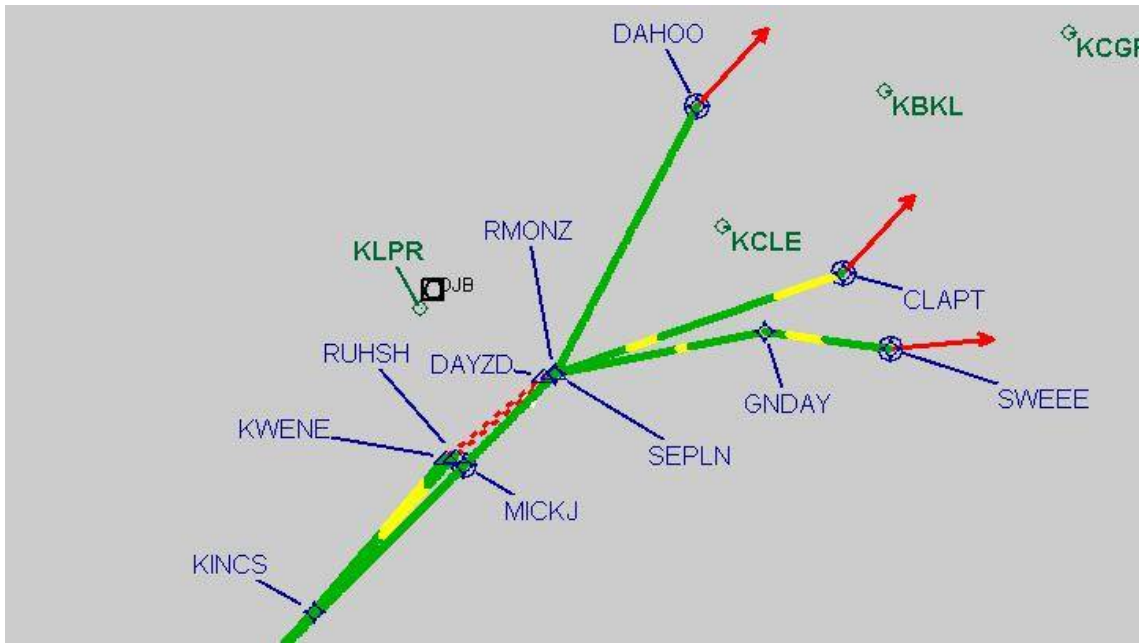
DME DME Assessment Results for ROKNN4 path SEPLN_CLAPT

Graphic Depiction 3



DME DME Assessment Results for ROKNN4 path SEPLN_CLAPT

Graphic Depiction 4



DME DME Assessment Results for ROKNN4 path SEPLN_DAHOO

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\SEPLN_DAHOO\KCLE ROKNN4 RNAV STAR SEPLN DAHOO 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
SEPLN	WP	N41° 17' 30.3300", W082° 01' 55.8900"	8000	VNAV	280	FLY_BY	TF
DAHOO	WP	N41° 30' 18.2870", W081° 52' 53.1350"	7000	VNAV	210	FLY_OVER	TF

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KCLE [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 ROKNN4 path SEPLN_DAHOO

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:	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	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	100 %	100 %
2	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	21.9 %	21.9 %
3	MFD	N40° 52' 07.0036", W082° 35' 27.4614"	3.0 W	40	L		NO	Enabled	20.9 %	20.9 %
4	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	100 %	100 %
5	CXR	N41° 31' 00.9405", W081° 09' 47.4692"	5.0 W	130	DH		NO	Enabled	100 %	100 %
6	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	46 %	46 %

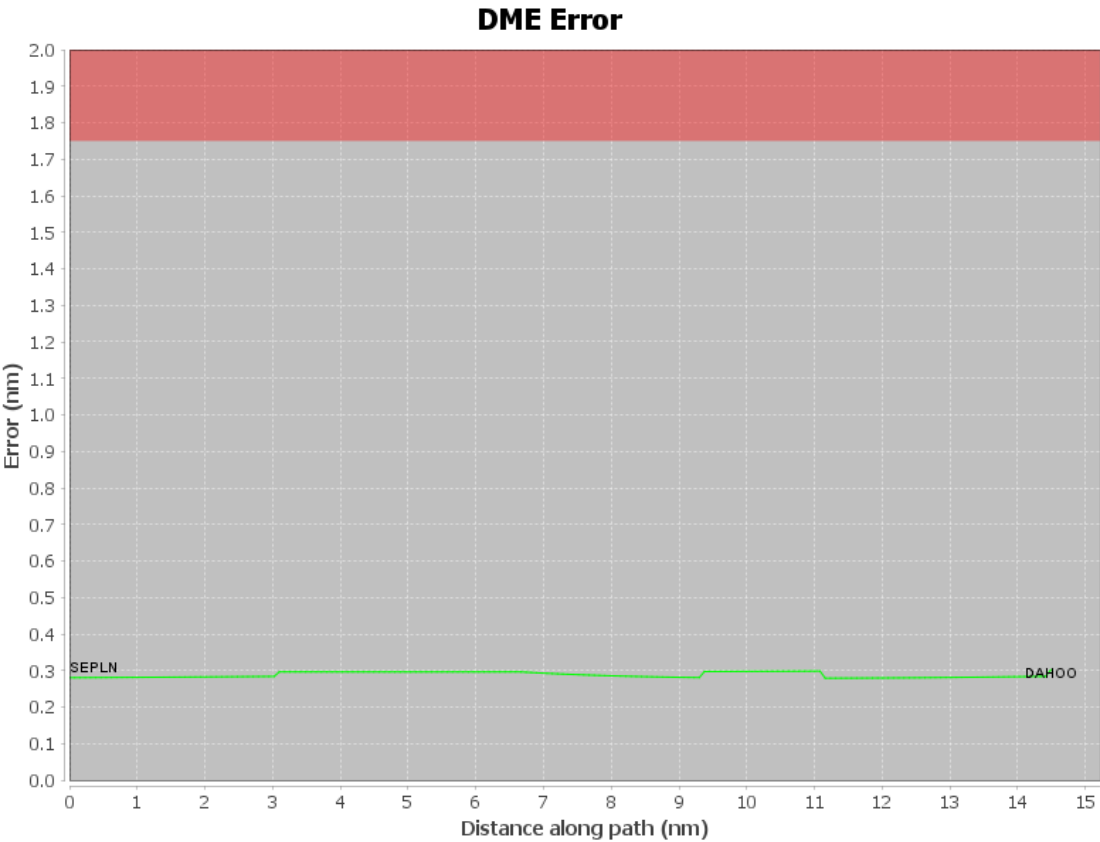
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BSV	MFD	DJB	CXR	CRL	ZZV
3.1	BSV	CXR	ZZV	DJB	CRL	
3.3	BSV	CXR	DJB	CRL		
6.7	BSV	CXR	CRL			

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SEPLN	DAHOO	BSV, ZZV, MFD, CRL, CXR, DJB	

DME DME Assessment Results for ROKNN4 path SEPLN_DAHOO

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

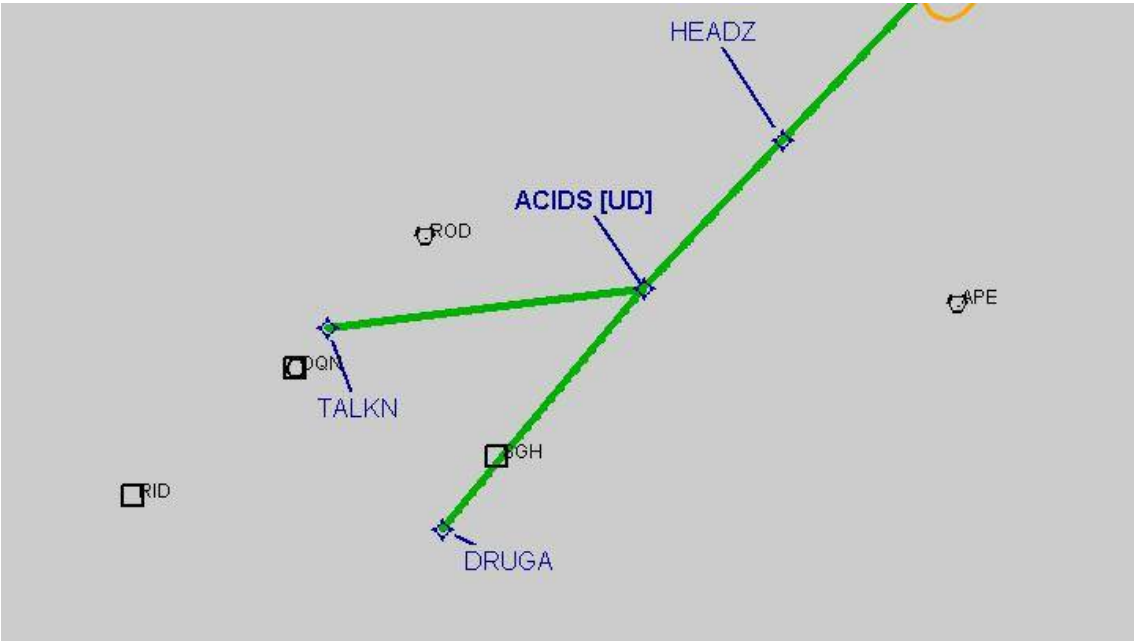


Graphic Depiction 1



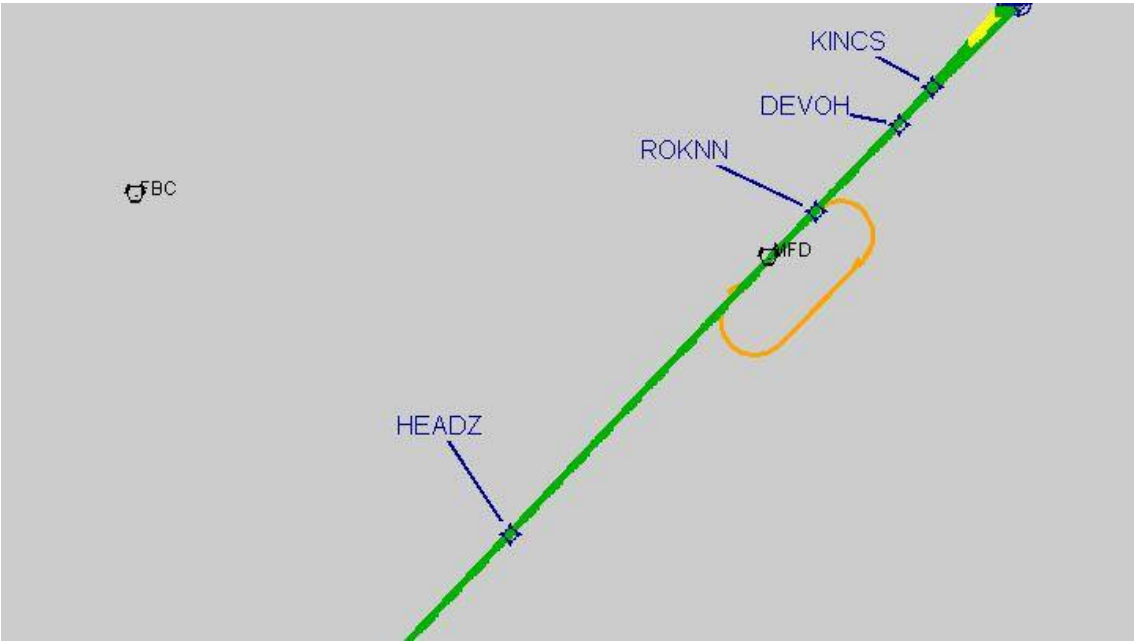
DME DME Assessment Results for ROKNN4 path SEPLN_DAHOO

Graphic Depiction 2



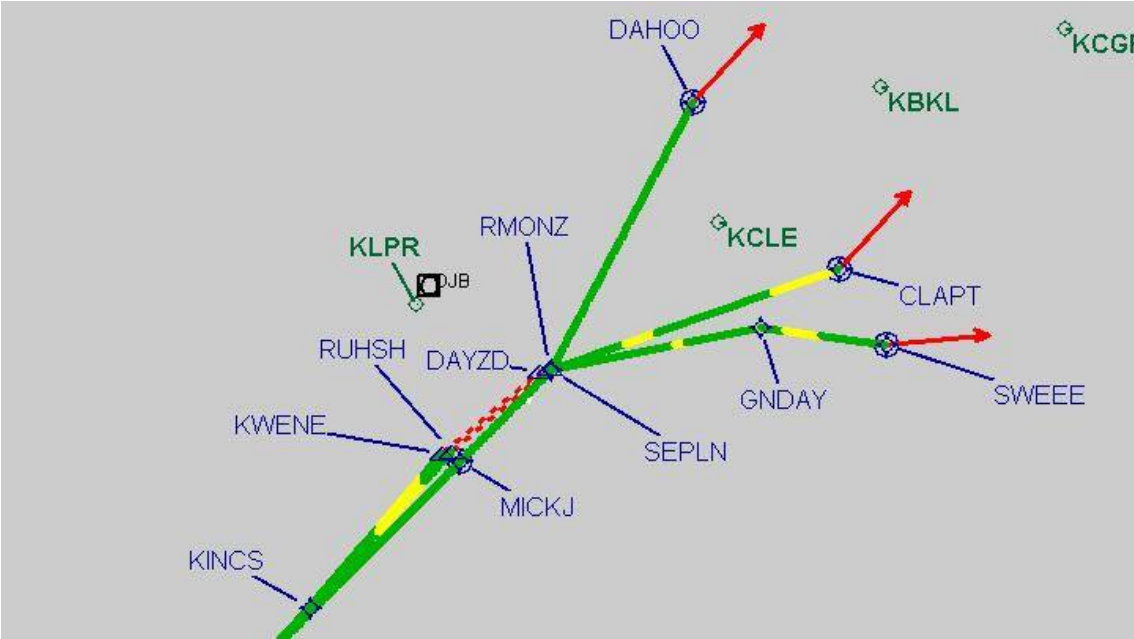
DME DME Assessment Results for ROKNN4 path SEPLN_DAHOO

Graphic Depiction 3



DME DME Assessment Results for ROKNN4 path SEPLN_DAHOO

Graphic Depiction 4



DME DME Assessment Results for ROKNN4 path TALKN_ACIDS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\CLE STAR ROKNN 4 20241226.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\KCLE ROKNN FOUR\DME\KCLE [IFPA] ROKNN4 20241227_0548 EST\TALKN_ACIDS\KCLE ROKNN4 RNAV STAR TALKN ACIDS 20241227_0548 EST.pdf
Procedure Name:	ROKNN4
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/27/2024 05:48 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
TALKN	WP	N40° 06' 04.4900", W084° 18' 33.1300"	10000	VNAV	280	FLY_BY	TF
ACIDS	WP	N40° 10' 54.1700", W083° 26' 49.4300"	10000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLE [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 ROKNN4 path TALKN_ACIDS

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:	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	DQN	N40° 00' 59.1995", W084° 23' 48.8332"	1.0 W	40	L		NO	Enabled	80.9 %	80.9 %
2	BSV	N40° 44' 26.5430", W081° 25' 55.6216"	4.0 W	130	DL		NO	Enabled	16.5 %	16.5 %
3	SGH	N39° 50' 11.5473", W083° 50' 41.8397"	-0.0 E	25	T		NO	Enabled	55.6 %	55.6 %
4	FLM	N38° 38' 57.9891", W084° 18' 38.1660"	-0.0 E	130	DH		NO	Enabled	100 %	100 %
5	ROD	N40° 17' 16.0830", W084° 02' 35.1471"	5.0 W	130	H		NO	Enabled	100 %	100 %
6	APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	H		NO	Enabled	12.5 %	12.5 %
7	ZZV	N39° 56' 27.0911", W081° 53' 33.3687"	6.0 W	130	DH		NO	Enabled	87.4 %	87.4 %
8	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	82.1 %	82.1 %
9	RID	N39° 45' 18.0289", W084° 50' 19.7836"	-0.0 E	40	L		NO	Enabled	17.3 %	17.3 %
10	DJB	N41° 21' 29.0339", W082° 09' 43.0873"	5.0 W	130	DH		NO	Enabled	46.7 %	46.7 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	APE	FLM	SHB	RID	ROD	
5.1	SHB	FLM	ZZV	DQN	ROD	RID
7.0	ZZV	ROD	SHB	FLM	DQN	
32.9	ROD	FLM	ZZV	DJB	DQN	
34.6	ROD	FLM	ZZV	DJB	BSV	

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

DME DME Assessment Results for ROKNN4 path TALKN_ACIDS

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
TALKN	ACIDS	DQN, BSV, SGH, FLM, ROD, APE, ZZV, SHB, RID, DJB	

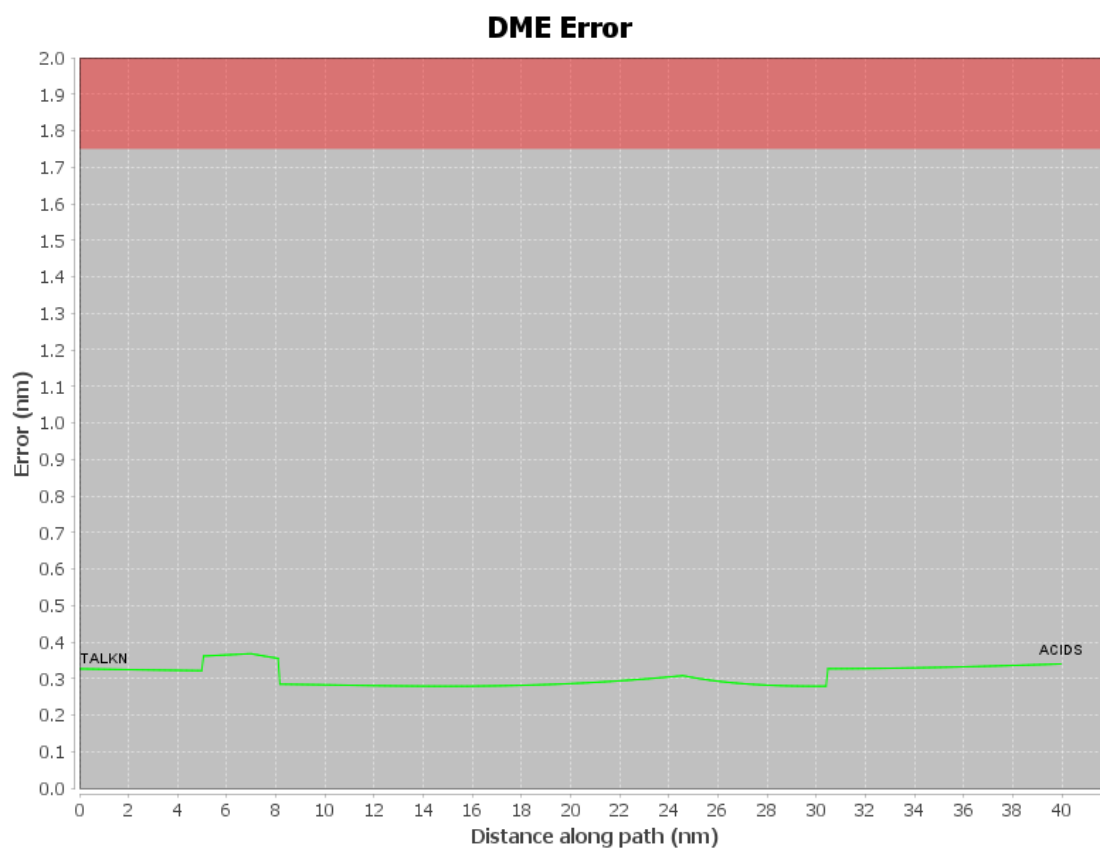
User Data Files

#	File Name
None	

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	APE FAA 704247-36 APE	N40° 09' 03.8258", W082° 35' 17.8849"	6.0 W	130	1353.7	116.7	APE FAA 704247-36	
ESV:		Bearing [True]: 260.0° to 280.0° Bearing [Mag]: 266.0° to 286.0°				Arc Distance: Out to 94.0 NM Altitude: 10000.0 to 15900.0 ft		

DME DME Assessment Results for ROKNN4 path TALKN_ACIDS



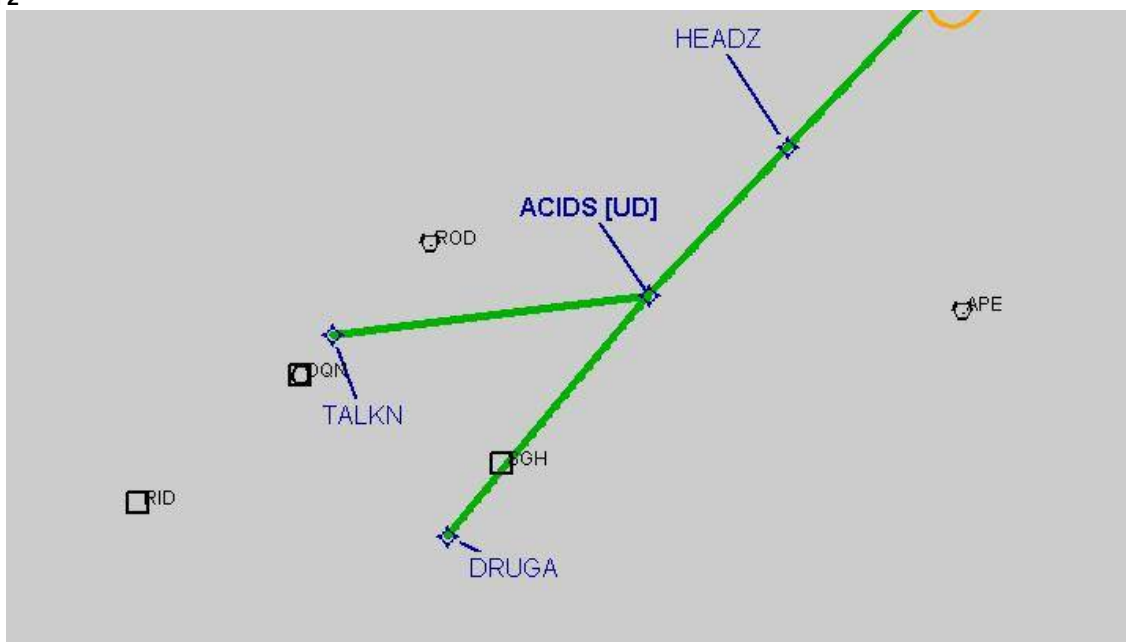
DME DME Assessment Results for ROKNN4 path TALKN_ACIDS

Graphic Depiction 1



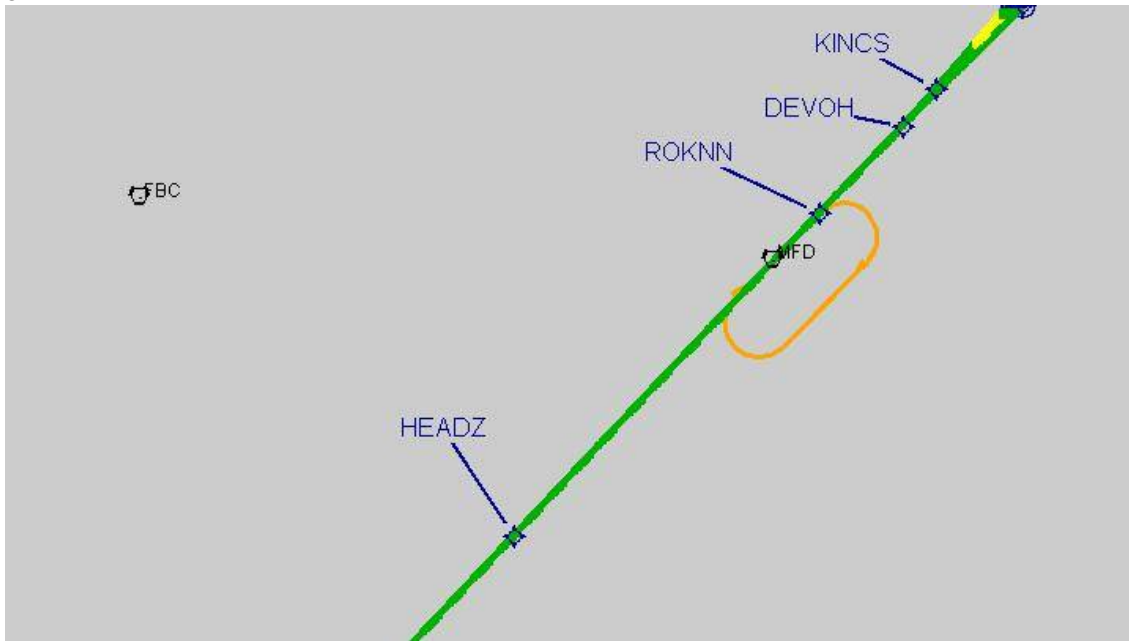
DME DME Assessment Results for ROKNN4 path TALKN_ACIDS

Graphic Depiction 2



DME DME Assessment Results for ROKNN4 path TALKN_ACIDS

Graphic Depiction 3



Graphic Depiction 4

