

DME DME Assessment Results for LIINN1 path CLRRY_VXV

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Breanne M-CTR Sparac
Project File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT LIINN (RNAV) STAR DME 28 AUG 2025.tgs
Output File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT [IFPA] LIINN1 20250904_1315 EDT\CLRRY_VXV\KCLT LIINN1 RNAV STAR CLRRY VXV 20250904_1315 EDT.pdf
Procedure Name:	LIINN1
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/04/2025 13:15 EDT
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
CLRRY	WP	N35° 40' 27.51", W082° 11' 01.15"	11000	VNAV	200	FLY_BY	TF
VXV	WP	N35° 54' 17.42", W083° 53' 40.99"	11000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 LIINN1 path CLRRY_VXV

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	HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	L		NO	Enabled	17.7 %	17.7 %
2	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L		NO	Enabled	43.1 %	43.1 %
3	CTF	N34° 39' 01.79", W080° 16' 29.70"	3.0 W	130	DH		NO	Enabled	2.6 %	2.6 %
4	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H		NO	Enabled	42.5 %	42.5 %
5	GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	L		NO	Enabled	17 %	17 %
6	VXV	N35° 54' 17.42", W083° 53' 40.99"	3.0 W	130	H		NO	Enabled	42.2 %	42.2 %
7	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	DH		NO	Enabled	80.3 %	80.3 %
8	AHN	N33° 56' 51.34", W083° 19' 29.13"	0.0 E	130	DH		NO	Enabled	29.6 %	29.6 %
9	HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	L		NO	Enabled	4.4 %	4.4 %
10	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L		NO	Enabled	76 %	76 %
11	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH		NO	Enabled	56.4 %	56.4 %

DME DME Assessment Results for LIINN1 path CLRRY_VXV

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SUG	CTF	SPA			
2.2						
3.2	SUG	SOT	SPA			
16.1	AHN	SOT	SUG	LOZ		
17.2	GZG	SOT	SPA	SUG		
17.7	GZG	SOT	SPA	SUG	LOZ	
20.2	AHN	SOT	SUG	LOZ		
36.9	AHN	SOT	SUG	HCH	LOZ	
37.6	GZG	SPA	LOZ	HCH		
41.3	SPA	HMV	GZG	LOZ	HCH	
49.0	SPA	HMV	LOZ	VXV	HCH	
55.6	HMV	LOZ	HCH	VXV	SOT	
56.4	HCH	LOZ	AHN	VXV	SOT	
63.1	HCH	LOZ	VXV	SOT		
79.9	HCH	LOZ	SOT			
80.9	HRS	VXV	SOT	HCH	LOZ	
81.7	HRS	SOT	HCH	LOZ		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 40' 50.41", W082° 13' 42.36"	N35° 41' 00.12", W082° 14' 50.89"	0.9443

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
CLRRY	VXV	HMV, SUG, CTF, SPA, GZG, VXV, LOZ, AHN, HRS, SOT, HCH	

DME DME Assessment Results for LIINN1 path CLRRY_VXV

User Data Files

File Name

None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV GZG [IFPA] GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	4199.7	115.55	ESV GZG [IFPA]	
ESV:		Bearing [True]: 198.0° to 223.0° Bearing [Mag]: 200.0° to 225.0°				Arc Distance: Out to 85.0 NM Altitude: 9000.0 to 18500.0 ft		
2	HRS FAA 840974-18 HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	3657.8	null	HRS FAA 840974-18	
ESV:		Bearing [True]: 318.0° to 5.0° Bearing [Mag]: 318.0° to 5.0°				Arc Distance: Out to 67.0 NM Altitude: 10000.0 to 14000.0 ft		
3	ESV SPA [IFPA] SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	ESV SPA [IFPA]	
ESV:		Bearing [True]: 303.0° to 13.0° Bearing [Mag]: 305.0° to 15.0°				Arc Distance: Out to 85.0 NM Altitude: 8000.0 to 18500.0 ft		
4	HMV FAA 702009-29 HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	4321	114.6	HMV FAA 702009-29	
ESV:		Bearing [True]: 226.0° to 246.0° Bearing [Mag]: 230.0° to 250.0°				Arc Distance: Out to 71.0 NM Altitude: 9000.0 to 24000.0 ft		
5	SOT FAA 720168-7 SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	SOT FAA 720168-7	
ESV:		Bearing [True]: 251.0° to 287.0° Bearing [Mag]: 255.0° to 291.0°				Arc Distance: Out to 58.0 NM Altitude: 8000.0 to 23000.0 ft		
6	ESV SOT [IFPA] SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	ESV SOT [IFPA]	
ESV:		Bearing [True]: 41.0° to 86.0° Bearing [Mag]: 45.0° to 90.0°				Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 18500.0 ft		
7	ESV XKD [IFPA] XKD	N34° 46' 58.82", W081° 11' 53.91"	-0.0 E	40	635	116.35	ESV XKD [IFPA]	
ESV:		Bearing [True]: 330.0° to 25.0° Bearing [Mag]: 330.0° to 25.0°				Arc Distance: Out to 50.0 NM Altitude: 2500.0 to 9500.0 ft		
8	ESV BZM [IFPA] BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	1880	113.75	ESV BZM [IFPA]	
ESV:		Bearing [True]: 299.0° to 314.0° Bearing [Mag]: 305.0° to 320.0°				Arc Distance: Out to 60.0 NM Altitude: 7000.0 to 18500.0 ft		

DME DME Assessment Results for LIINN1 path EMKAY_CEDOX

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Breanne M-CTR Sparac
Project File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT LIINN (RNAV) STAR DME 28 AUG 2025.tgs
Output File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT [IFPA] LIINN1 20250904_1315 EDT\EMKAY_CEDOX\KCLT LIINN1 RNAV STAR EMKAY CEDOX 20250904_1315 EDT.pdf
Procedure Name:	LIINN1
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/04/2025 13:15 EDT
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
EMKAY	WP	N36° 24' 08.99", W082° 07' 20.73"	10000	VNAV	200	FLY_BY	TF
LOOIE	WP	N35° 45' 40.12", W081° 56' 34.99"	10000	VNAV	200	FLY_BY	TF
JALIT	WP	N35° 33' 35.53", W081° 53' 17.26"	7000	VNAV	200	FLY_BY	TF
LIINN	WP	N35° 29' 16.72", W081° 42' 13.87"	5100	VNAV	200	FLY_BY	TF
CEDOX	WP	N35° 15' 53.64", W081° 04' 22.20"	3000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 LIINN1 path EMKAY_CEDOX

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	HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	L		NO	Enabled	35.5 %	35.6 %
2	XKD	N34° 46' 58.82", W081° 11' 53.91"	-0.0 E	40	L		NO	Enabled	28.2 %	28.2 %
3	BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	H		NO	Enabled	57.4 %	57.4 %
4	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L		NO	Enabled	38.9 %	38.9 %
5	CTF	N34° 39' 01.79", W080° 16' 29.70"	3.0 W	130	DH		NO	Enabled	2.3 %	2.3 %
6	GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	L		NO	Enabled	14.6 %	14.6 %
7	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H		NO	Enabled	76.2 %	76.2 %
8	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L		NO	Enabled	35 %	35.1 %
9	CLT	N35° 11' 25.70", W080° 57' 07.18"	5.0 W	40	L		NO	Enabled	12.5 %	12.5 %

DME DME Assessment Results for LIINN1 path EMKAY_CEDOX

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SOT	BZM	GZG	SPA		
3.7	SOT	BZM	HMV	GZG	SPA	
6.4	SOT	HMV	SPA	GZG		
14.0	SOT	HMV	SPA			
24.9	SOT	HMV	SPA	SUG		
30.7	SPA	SOT	HMV	BZM	SUG	
33.5	SPA	BZM	HMV	SUG		
34.7	HMV	BZM	SUG			
37.7	SUG	CTF	BZM			
40.0	SPA	BZM	SUG			
43.4						
44.3	SPA	BZM	SUG			
50.2	SPA	SUG				
51.8	SPA	SUG	BZM			
59.4	SPA	SUG				
62.9						
67.7	XKD	BZM	SPA			
68.1						
68.3	XKD	SPA	BZM			
68.4						
68.5	XKD	SPA	BZM			
69.3						
69.4	XKD	SPA	BZM			
69.6						
69.7	XKD	SPA	BZM			
76.6	XKD	SPA				
76.7	XKD	SPA	BZM			
83.5	SPA	XKD	CLT	BZM		
84.6	CLT	BZM	XKD			
91.0	CLT	XKD				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 41' 42.93", W081° 55' 30.15"	N35° 40' 54.20", W081° 55' 16.84"	0.831
2	N35° 28' 49.14", W081° 40' 55.07"	N35° 26' 56.02", W081° 35' 32.52"	4.7777
3	N35° 26' 46.80", W081° 35' 06.28"	N35° 26' 42.85", W081° 34' 55.03"	0.1667
4	N35° 26' 40.22", W081° 34' 47.53"	N35° 26' 36.27", W081° 34' 36.29"	0.1667
5	N35° 26' 19.14", W081° 33' 47.56"	N35° 26' 15.19", W081° 33' 36.31"	0.1667
6	N35° 26' 11.23", W081° 33' 25.07"	N35° 26' 08.60", W081° 33' 17.57"	0.1111

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
EMKAY	LOOIE	HMV, BZM, SUG, CTF, GZG, SPA, SOT	
LOOIE	JALIT	SUG, BZM, CTF, SPA	
JALIT	LIINN	SUG, BZM, SPA	
LIINN	CEDOX	XKD, SUG, BZM, SPA, CLT	

DME DME Assessment Results for LIINN1 path EMKAY_CEDOX

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV GZG [IFPA] GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	4199.7	115.55	ESV GZG [IFPA]	
ESV:		Bearing [True]: 198.0° to 223.0° Bearing [Mag]: 200.0° to 225.0°				Arc Distance: Out to 85.0 NM Altitude: 9000.0 to 18500.0 ft		
2	HRS FAA 840974-18 HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	3657.8	null	HRS FAA 840974-18	
ESV:		Bearing [True]: 318.0° to 5.0° Bearing [Mag]: 318.0° to 5.0°				Arc Distance: Out to 67.0 NM Altitude: 10000.0 to 14000.0 ft		
3	ESV SPA [IFPA] SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	ESV SPA [IFPA]	
ESV:		Bearing [True]: 303.0° to 13.0° Bearing [Mag]: 305.0° to 15.0°				Arc Distance: Out to 85.0 NM Altitude: 8000.0 to 18500.0 ft		
4	HMV FAA 702009-29 HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	4321	114.6	HMV FAA 702009-29	
ESV:		Bearing [True]: 226.0° to 246.0° Bearing [Mag]: 230.0° to 250.0°				Arc Distance: Out to 71.0 NM Altitude: 9000.0 to 24000.0 ft		
5	SOT FAA 720168-7 SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	SOT FAA 720168-7	
ESV:		Bearing [True]: 251.0° to 287.0° Bearing [Mag]: 255.0° to 291.0°				Arc Distance: Out to 58.0 NM Altitude: 8000.0 to 23000.0 ft		
6	ESV SOT [IFPA] SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	ESV SOT [IFPA]	
ESV:		Bearing [True]: 41.0° to 86.0° Bearing [Mag]: 45.0° to 90.0°				Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 18500.0 ft		
7	ESV XKD [IFPA] XKD	N34° 46' 58.82", W081° 11' 53.91"	-0.0 E	40	635	116.35	ESV XKD [IFPA]	
ESV:		Bearing [True]: 330.0° to 25.0° Bearing [Mag]: 330.0° to 25.0°				Arc Distance: Out to 50.0 NM Altitude: 2500.0 to 9500.0 ft		
8	ESV BZM [IFPA] BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	1880	113.75	ESV BZM [IFPA]	
ESV:		Bearing [True]: 299.0° to 314.0° Bearing [Mag]: 305.0° to 320.0°				Arc Distance: Out to 60.0 NM Altitude: 7000.0 to 18500.0 ft		

DME DME Assessment Results for LIINN1 path LOOIE_EMKAY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Breanne M-CTR Sparac
Project File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT LIINN (RNAV) STAR DME 28 AUG 2025.tgs
Output File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT [IFPA] LIINN1 20250904_1315 EDT\LOOIE_EMKAY\KCLT LIINN1 RNAV STAR LOOIE EMKAY 20250904_1315 EDT.pdf
Procedure Name:	LIINN1
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/04/2025 13:15 EDT
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
LOOIE	WP	N35° 45' 40.12", W081° 56' 34.99"	10000	VNAV	200	FLY_BY	TF
EMKAY	WP	N36° 24' 08.99", W082° 07' 20.73"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 LIINN1 path LOOIE_EMKAY

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	HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	L		NO	Enabled	86.1 %	86.1 %
2	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L		NO	Enabled	36.9 %	36.9 %
3	BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	H		NO	Enabled	38.2 %	38.2 %
4	CTF	N34° 39' 01.79", W080° 16' 29.70"	3.0 W	130	DH		NO	Enabled	4.4 %	4.4 %
5	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H		NO	Enabled	88 %	88 %
6	GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	L		NO	Enabled	35.4 %	35.4 %
7	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L		NO	Enabled	84.9 %	84.9 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SUG	CTF	BZM			
1.8	HMV	BZM	SUG			
4.7	SPA	BZM	HMV	SUG		
5.9	SPA	BZM	SOT	HMV	SUG	
8.8	SPA	SOT	HMV	SUG		
14.6	SOT	HMV	SPA			
25.5	SOT	HMV	SPA	GZG		
33.1	SOT	HMV	BZM	GZG	SPA	
35.7	SOT	BZM	GZG	SPA		

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

DME DME Assessment Results for LIINN1 path LOOIE_EMKAY

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
LOOIE	EMKAY	HMV, SUG, BZM, CTF, SPA, GZG, SOT	

User Data Files

#	File Name
	None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV GZG [IFPA] GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	4199.7	115.55	ESV GZG [IFPA]	
	ESV:	Bearing [True]: 198.0° to 223.0° Bearing [Mag]: 200.0° to 225.0°				Arc Distance: Out to 85.0 NM Altitude: 9000.0 to 18500.0 ft		
2	HRS FAA 840974-18 HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	3657.8	null	HRS FAA 840974-18	
	ESV:	Bearing [True]: 318.0° to 5.0° Bearing [Mag]: 318.0° to 5.0°				Arc Distance: Out to 67.0 NM Altitude: 10000.0 to 14000.0 ft		
3	ESV SPA [IFPA] SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	ESV SPA [IFPA]	
	ESV:	Bearing [True]: 303.0° to 13.0° Bearing [Mag]: 305.0° to 15.0°				Arc Distance: Out to 85.0 NM Altitude: 8000.0 to 18500.0 ft		
4	HMV FAA 702009-29 HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	4321	114.6	HMV FAA 702009-29	
	ESV:	Bearing [True]: 226.0° to 246.0° Bearing [Mag]: 230.0° to 250.0°				Arc Distance: Out to 71.0 NM Altitude: 9000.0 to 24000.0 ft		
5	SOT FAA 720168-7 SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	SOT FAA 720168-7	
	ESV:	Bearing [True]: 251.0° to 287.0° Bearing [Mag]: 255.0° to 291.0°				Arc Distance: Out to 58.0 NM Altitude: 8000.0 to 23000.0 ft		
6	ESV SOT [IFPA] SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	ESV SOT [IFPA]	
	ESV:	Bearing [True]: 41.0° to 86.0° Bearing [Mag]: 45.0° to 90.0°				Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 18500.0 ft		
7	ESV XKD [IFPA] XKD	N34° 46' 58.82", W081° 11' 53.91"	-0.0 E	40	635	116.35	ESV XKD [IFPA]	
	ESV:	Bearing [True]: 330.0° to 25.0° Bearing [Mag]: 330.0° to 25.0°				Arc Distance: Out to 50.0 NM Altitude: 2500.0 to 9500.0 ft		
8	ESV BZM [IFPA] BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	1880	113.75	ESV BZM [IFPA]	
	ESV:	Bearing [True]: 299.0° to 314.0° Bearing [Mag]: 305.0° to 320.0°				Arc Distance: Out to 60.0 NM Altitude: 7000.0 to 18500.0 ft		

DME DME Assessment Results for LIINN1 path SOT_JALIT

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Breanne M-CTR Sparac
Project File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT LIINN (RNAV) STAR DME 28 AUG 2025.tgs
Output File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT [IFPA] LIINN1 20250904_1315 EDT\SOT_JALIT\KCLT LIINN1 RNAV STAR SOT JALIT 20250904_1315 EDT.pdf
Procedure Name:	LIINN1
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/04/2025 13:15 EDT
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
SOT	WP	N35° 47' 24.36", W083° 03' 08.53"	9000	VNAV	200	FLY_BY	TF
WUUTN	WP	N35° 37' 19.85", W082° 11' 48.49"	9000	VNAV	200	FLY_BY	TF
JALIT	WP	N35° 33' 35.53", W081° 53' 17.26"	7000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 LIINN1 path SOT_JALIT

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	HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	L		NO	Enabled	2.8 %	2.8 %
2	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L		NO	Enabled	77.1 %	77.1 %
3	BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	H		NO	Enabled	1.2 %	1.2 %
4	GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	L		NO	Enabled	44.1 %	44.1 %
5	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H		NO	Enabled	90.6 %	90.6 %
6	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	DH		NO	Enabled	12.2 %	12.2 %
7	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L		NO	Enabled	54 %	54 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SPA	HMV	GZG	LOZ		
1.7	GZG	SPA	LOZ			
5.1	GZG	SPA	SOT	LOZ		
6.6	GZG	SUG	SPA	SOT	LOZ	
7.2	GZG	SUG	SPA	SOT		
25.9						
29.1	SPA	SOT				
30.3	SUG	SOT	SPA			
39.9						
42.0	SPA	SUG				
45.0						
45.2	SPA	SUG				
57.8	SPA	SUG	BZM			

DME DME Assessment Results for LIINN1 path SOT_JALIT

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 41' 23.03", W082° 32' 12.59"	N35° 40' 38.28", W082° 28' 25.90"	3.1667
2	N35° 38' 03.53", W082° 15' 26.93"	N35° 37' 34.16", W082° 12' 59.97"	2.0556
3	N35° 36' 50.48", W082° 09' 22.07"	N35° 36' 48.89", W082° 09' 14.16"	0.1107

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SOT	WUUTN	HMV, SUG, GZG, SPA, LOZ, SOT	
WUUTN	JALIT	SUG, BZM, SPA	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV GZG [IFPA] GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	4199.7	115.55	ESV GZG [IFPA]	
ESV:		Bearing [True]: 198.0° to 223.0° Bearing [Mag]: 200.0° to 225.0°				Arc Distance: Out to 85.0 NM Altitude: 9000.0 to 18500.0 ft		
2	HRS FAA 840974-18 HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	3657.8	null	HRS FAA 840974-18	
ESV:		Bearing [True]: 318.0° to 5.0° Bearing [Mag]: 318.0° to 5.0°				Arc Distance: Out to 67.0 NM Altitude: 10000.0 to 14000.0 ft		
3	ESV SPA [IFPA] SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	ESV SPA [IFPA]	
ESV:		Bearing [True]: 303.0° to 13.0° Bearing [Mag]: 305.0° to 15.0°				Arc Distance: Out to 85.0 NM Altitude: 8000.0 to 18500.0 ft		
4	HMV FAA 702009-29 HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	4321	114.6	HMV FAA 702009-29	
ESV:		Bearing [True]: 226.0° to 246.0° Bearing [Mag]: 230.0° to 250.0°				Arc Distance: Out to 71.0 NM Altitude: 9000.0 to 24000.0 ft		
5	SOT FAA 720168-7 SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	SOT FAA 720168-7	
ESV:		Bearing [True]: 251.0° to 287.0° Bearing [Mag]: 255.0° to 291.0°				Arc Distance: Out to 58.0 NM Altitude: 8000.0 to 23000.0 ft		
6	ESV SOT [IFPA] SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	ESV SOT [IFPA]	
ESV:		Bearing [True]: 41.0° to 86.0° Bearing [Mag]: 45.0° to 90.0°				Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 18500.0 ft		
7	ESV XKD [IFPA] XKD	N34° 46' 58.82", W081° 11' 53.91"	-0.0 E	40	635	116.35	ESV XKD [IFPA]	
ESV:		Bearing [True]: 330.0° to 25.0° Bearing [Mag]: 330.0° to 25.0°				Arc Distance: Out to 50.0 NM Altitude: 2500.0 to 9500.0 ft		
8	ESV BZM [IFPA] BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	1880	113.75	ESV BZM [IFPA]	
ESV:		Bearing [True]: 299.0° to 314.0° Bearing [Mag]: 305.0° to 320.0°				Arc Distance: Out to 60.0 NM Altitude: 7000.0 to 18500.0 ft		

DME DME Assessment Results for LIINN1 path VXV_JALIT

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Breanne M-CTR Sparac
Project File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT LIINN (RNAV) STAR DME 28 AUG 2025.tgs
Output File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT [IFPA] LIINN1 20250904_1315 EDT\VXV_JALIT\KCLT LIINN1 RNAV STAR VXV JALIT 20250904_1315 EDT.pdf
Procedure Name:	LIINN1
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/04/2025 13:15 EDT
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
VXV	WP	N35° 54' 17.42", W083° 53' 40.99"	11000	VNAV	200	FLY_BY	TF
CLRRY	WP	N35° 40' 27.51", W082° 11' 01.15"	11000	VNAV	200	FLY_BY	TF
JALIT	WP	N35° 33' 35.53", W081° 53' 17.26"	7000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 LIINN1 path VXV_JALIT

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	HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	L		NO	Enabled	14.9 %	14.9 %
2	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L		NO	Enabled	52.2 %	52.2 %
3	CTF	N34° 39' 01.79", W080° 16' 29.70"	3.0 W	130	DH		NO	Enabled	3.6 %	3.6 %
4	BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	H		NO	Enabled		
5	VXV	N35° 54' 17.42", W083° 53' 40.99"	3.0 W	130	H		NO	Enabled	35.5 %	35.5 %
6	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H		NO	Enabled	51.6 %	51.6 %
7	GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	L		NO	Enabled	14.3 %	14.3 %
8	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	DH		NO	Enabled	67.5 %	67.5 %
9	AHN	N33° 56' 51.34", W083° 19' 29.13"	0.0 E	130	DH		NO	Enabled	24.9 %	24.9 %
10	HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	L		NO	Enabled	3.7 %	3.7 %
11	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L		NO	Enabled	63.9 %	63.9 %
12	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH		NO	Enabled	47.5 %	47.5 %

DME DME Assessment Results for LIINN1 path VXV_JALIT

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HCH	LOZ	HRS	SOT		
3.1	HRS	VXV	SOT	HCH	LOZ	
3.8	HCH	LOZ	SOT			
4.8	HCH	LOZ	VXV	SOT		
21.6	HCH	LOZ	VXV	SOT	AHN	
28.3	HMV	LOZ	HCH	VXV	SOT	
30.1	HMV	LOZ	SPA	HCH	VXV	
39.9	SPA	HMV	GZG	LOZ	HCH	
43.4	GZG	SPA	LOZ	HCH		
47.2	AHN	SOT	SUG	HCH	LOZ	
47.8	AHN	SOT	SUG	LOZ		
64.5	GZG	SOT	SUG	SPA	LOZ	
67.0	GZG	SOT	SPA	SUG		
67.5	AHN	SOT	SUG	LOZ		
68.7	SUG	SOT	SPA			
81.5						
82.5	SUG	CTF	SPA			
86.2	SPA	SUG				
100.7	SPA	SUG	BZM			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 40' 59.55", W082° 14' 46.86"	N35° 40' 49.84", W082° 13' 38.33"	0.9443

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
VXV	CLRRY	HMV, SUG, CTF, VXV, SPA, GZG, LOZ, AHN, HRS, SOT, HCH	
CLRRY	JALIT	SUG, CTF, BZM, SPA	

DME DME Assessment Results for LIINN1 path VXV_JALIT

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV GZG [IFPA] GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	4199.7	115.55	ESV GZG [IFPA]	
ESV:		Bearing [True]: 198.0° to 223.0° Bearing [Mag]: 200.0° to 225.0°				Arc Distance: Out to 85.0 NM Altitude: 9000.0 to 18500.0 ft		
2	HRS FAA 840974-18 HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	3657.8	null	HRS FAA 840974-18	
ESV:		Bearing [True]: 318.0° to 5.0° Bearing [Mag]: 318.0° to 5.0°				Arc Distance: Out to 67.0 NM Altitude: 10000.0 to 14000.0 ft		
3	ESV SPA [IFPA] SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	ESV SPA [IFPA]	
ESV:		Bearing [True]: 303.0° to 13.0° Bearing [Mag]: 305.0° to 15.0°				Arc Distance: Out to 85.0 NM Altitude: 8000.0 to 18500.0 ft		
4	HMV FAA 702009-29 HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	4321	114.6	HMV FAA 702009-29	
ESV:		Bearing [True]: 226.0° to 246.0° Bearing [Mag]: 230.0° to 250.0°				Arc Distance: Out to 71.0 NM Altitude: 9000.0 to 24000.0 ft		
5	SOT FAA 720168-7 SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	SOT FAA 720168-7	
ESV:		Bearing [True]: 251.0° to 287.0° Bearing [Mag]: 255.0° to 291.0°				Arc Distance: Out to 58.0 NM Altitude: 8000.0 to 23000.0 ft		
6	ESV SOT [IFPA] SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	ESV SOT [IFPA]	
ESV:		Bearing [True]: 41.0° to 86.0° Bearing [Mag]: 45.0° to 90.0°				Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 18500.0 ft		
7	ESV XKD [IFPA] XKD	N34° 46' 58.82", W081° 11' 53.91"	-0.0 E	40	635	116.35	ESV XKD [IFPA]	
ESV:		Bearing [True]: 330.0° to 25.0° Bearing [Mag]: 330.0° to 25.0°				Arc Distance: Out to 50.0 NM Altitude: 2500.0 to 9500.0 ft		
8	ESV BZM [IFPA] BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	1880	113.75	ESV BZM [IFPA]	
ESV:		Bearing [True]: 299.0° to 314.0° Bearing [Mag]: 305.0° to 320.0°				Arc Distance: Out to 60.0 NM Altitude: 7000.0 to 18500.0 ft		

DME DME Assessment Results for LIINN1 path WUUTN_SOT

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Breanne M-CTR Sparac
Project File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT LIINN (RNAV) STAR DME 28 AUG 2025.tgs
Output File:	C:\Users\Breanne M-CTR Sparac\OneDrive - Federal Aviation Administration\Documents\RNAV PROJECTS\CLT RUNWAY PROJECT\NEW RNAV PROCEDURES\9.3.2026\LIINN1 STAR\DME\KCLT [IFPA] LIINN1 20250904_1315 EDT\WUUTN_SOT\KCLT LIINN1 RNAV STAR WUUTN SOT 20250904_1315 EDT.pdf
Procedure Name:	LIINN1
Software: DmeDmePlugin:	7.5.1
Date/Time:	09/04/2025 13:15 EDT
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
WUUTN	WP	N35° 37' 19.85", W082° 11' 48.49"	9000	VNAV	200	FLY_BY	TF
SOT	WP	N35° 47' 24.36", W083° 03' 08.53"	9000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 LIINN1 path WUUTN_SOT

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	HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	L		NO	Enabled	3.9 %	3.9 %
2	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L		NO	Enabled	69.3 %	69.3 %
3	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H		NO	Enabled	87.6 %	87.6 %
4	GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	L		NO	Enabled	60.1 %	60.1 %
5	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	DH		NO	Enabled	16.7 %	16.7 %
6	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L		NO	Enabled	73.5 %	73.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SPA	SUG				
1.1						
3.1	SUG	SOT	SPA			
12.7	SPA	SOT				
14.0						
17.2	GZG	SOT	SUG	SPA		
35.8	GZG	SUG	SPA	SOT	LOZ	
36.4	GZG	SPA	SOT	LOZ		
38.0	GZG	SPA	LOZ			
41.3	SPA	HMV	GZG	LOZ		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 37' 34.95", W082° 13' 03.94"	N35° 38' 04.32", W082° 15' 30.90"	2.0556
2	N35° 40' 39.07", W082° 28' 29.87"	N35° 41' 23.81", W082° 32' 16.57"	3.1667

DME DME Assessment Results for LIINN1 path WUUTN_SOT

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
WUUTN	SOT	HMV, SUG, SPA, GZG, LOZ, SOT	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV GZG [IFPA] GZG	N36° 49' 30.36", W082° 04' 44.31"	2.0 W	40	4199.7	115.55	ESV GZG [IFPA]	
ESV:		Bearing [True]: 198.0° to 223.0° Bearing [Mag]: 200.0° to 225.0°				Arc Distance: Out to 85.0 NM Altitude: 9000.0 to 18500.0 ft		
2	HRS FAA 840974-18 HRS	N34° 56' 34.79", W083° 54' 56.43"	0.0 E	40	3657.8	null	HRS FAA 840974-18	
ESV:		Bearing [True]: 318.0° to 5.0° Bearing [Mag]: 318.0° to 5.0°				Arc Distance: Out to 67.0 NM Altitude: 10000.0 to 14000.0 ft		
3	ESV SPA [IFPA] SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	ESV SPA [IFPA]	
ESV:		Bearing [True]: 303.0° to 13.0° Bearing [Mag]: 305.0° to 15.0°				Arc Distance: Out to 85.0 NM Altitude: 8000.0 to 18500.0 ft		
4	HMV FAA 702009-29 HMV	N36° 26' 13.40", W082° 07' 46.56"	4.0 W	40	4321	114.6	HMV FAA 702009-29	
ESV:		Bearing [True]: 226.0° to 246.0° Bearing [Mag]: 230.0° to 250.0°				Arc Distance: Out to 71.0 NM Altitude: 9000.0 to 24000.0 ft		
5	SOT FAA 720168-7 SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	SOT FAA 720168-7	
ESV:		Bearing [True]: 251.0° to 287.0° Bearing [Mag]: 255.0° to 291.0°				Arc Distance: Out to 58.0 NM Altitude: 8000.0 to 23000.0 ft		
6	ESV SOT [IFPA] SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	4239	108.8	ESV SOT [IFPA]	
ESV:		Bearing [True]: 41.0° to 86.0° Bearing [Mag]: 45.0° to 90.0°				Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 18500.0 ft		
7	ESV XKD [IFPA] XKD	N34° 46' 58.82", W081° 11' 53.91"	-0.0 E	40	635	116.35	ESV XKD [IFPA]	
ESV:		Bearing [True]: 330.0° to 25.0° Bearing [Mag]: 330.0° to 25.0°				Arc Distance: Out to 50.0 NM Altitude: 2500.0 to 9500.0 ft		
8	ESV BZM [IFPA] BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	1880	113.75	ESV BZM [IFPA]	
ESV:		Bearing [True]: 299.0° to 314.0° Bearing [Mag]: 305.0° to 320.0°				Arc Distance: Out to 60.0 NM Altitude: 7000.0 to 18500.0 ft		