

DME DME Assessment Results for JNING1 path JNING_SMSHH

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\KBNA\KBNA SAT STARS\KMQY JNING1 (RNAV) STAR\KMQY JNING1 (RNAV) STAR DME 19 FEB 2026.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT_FILES\KBNA\KBNA SAT STARS\KMQY JNING1 (RNAV) STAR\ARCHIVE\KMQY [IFPA] JNING1 20260219_1129 EST\JNING_SMSHH\KMQY JNING1 RNAV STAR JNING SMSHH 20260219_1129 EST.pdf
Procedure Name:	JNING1
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/19/2026 11:29 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
JNING	WP	N36° 41' 26.16", W086° 12' 11.18"	6000	VNAV	200	FLY_BY	TF
SMSHH	WP	N36° 38' 20.90", W086° 44' 14.43"	3000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KMQY [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 JNING1 path JNING_SMSHH

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	BWG	N36° 57' 52.00", W086° 25' 24.00"	0.0 E	130	DH		NO	Enabled	73.7 %	73.7 %
2	BNA	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	H		NO	Enabled	62.4 %	62.4 %
3	LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	L		NO	Enabled	7.7 %	7.7 %
4	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH		NO	Enabled	77.1 %	77.1 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	LVT	BWG				
2.1						
5.9	BWG	HCH				
6.4	HCH	BNA	BWG			
9.8	BWG	HCH				
12.0	HCH	BNA	BWG			
12.4	BWG	HCH				
13.4	HCH	BNA	BWG			
23.1	HCH	BNA				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 41' 11.83", W086° 14' 43.32"	N36° 40' 44.56", W086° 19' 31.12"	3.8848

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
JNING	SMSHH	BWG, BNA, LVT, HCH	

DME DME Assessment Results for JNING1 path JNING_SMSHH

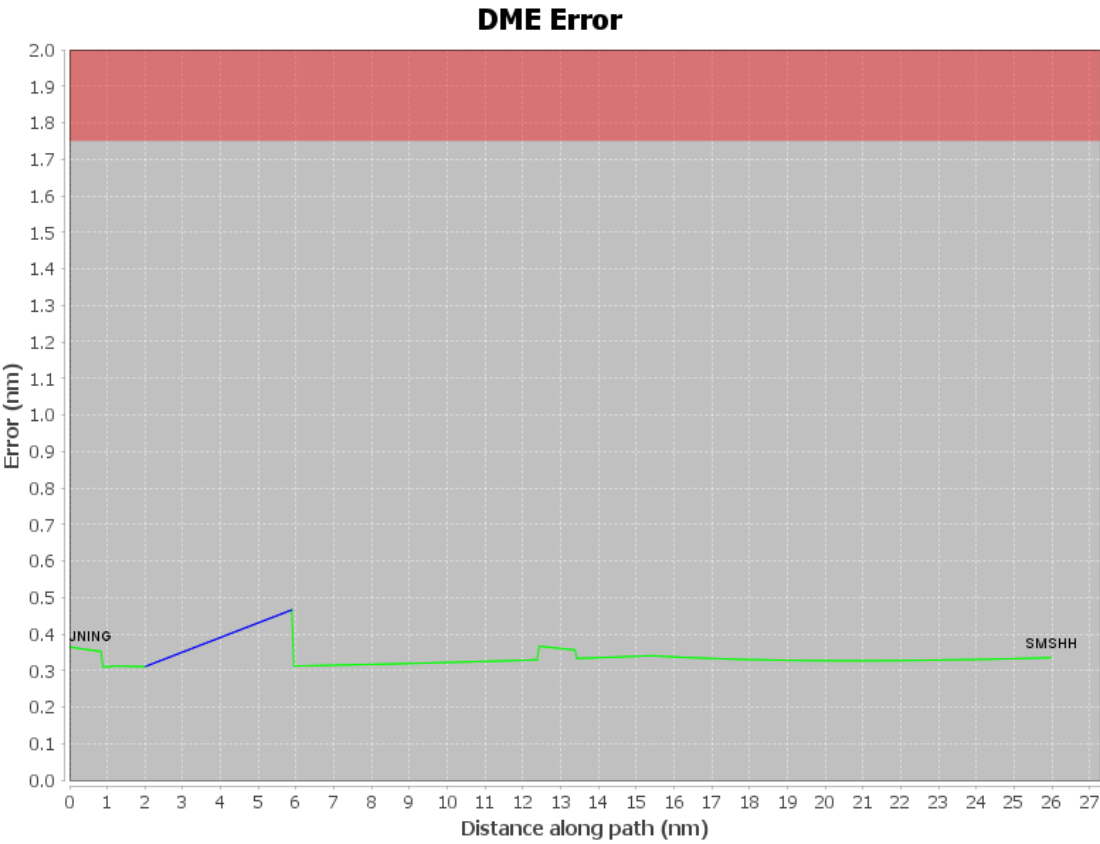
User Data Files

File Name

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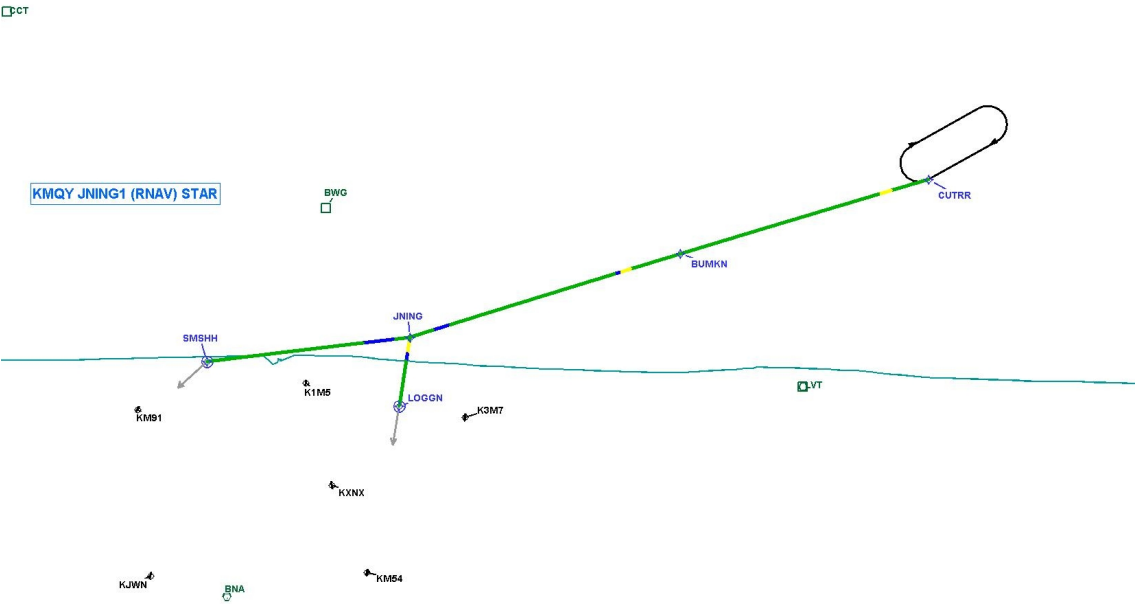
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EWO FAA 200445-6 EWO	N37° 37' 54.52", W085° 40' 33.16"	1.0 E	40	960	113.95	EWO FAA 200445-6	
ESV:		Bearing [True]: 178.0° to 203.0° Bearing [Mag]: 177.0° to 202.0°				Arc Distance: Out to 81.0 NM Altitude: 5000.0 to 24000.0 ft		
2	HYK FAA 680420 - 040 HYK	N37° 57' 58.86", W084° 28' 21.10"	0.0 E	40	1035.1	112.6	HYK FAA 680420 - 040	
ESV:		Bearing [True]: 180.0° to 220.0° Bearing [Mag]: 180.0° to 220.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 15500.0 ft		
3	HCH FAA 700766-29 HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	3040	117.6	HCH FAA 700766-29	
ESV:		Bearing [True]: 284.0° to 351.0° Bearing [Mag]: 286.0° to 353.0°				Arc Distance: Out to 72.0 NM Altitude: 5800.0 to 7500.0 ft		
4	LVT FAA 210523 - 012 LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523 - 012	
ESV:		Bearing [True]: 258.0° to 293.0° Bearing [Mag]: 260.0° to 295.0°				Arc Distance: Out to 60.0 NM Altitude: 5000.0 to 15500.0 ft		

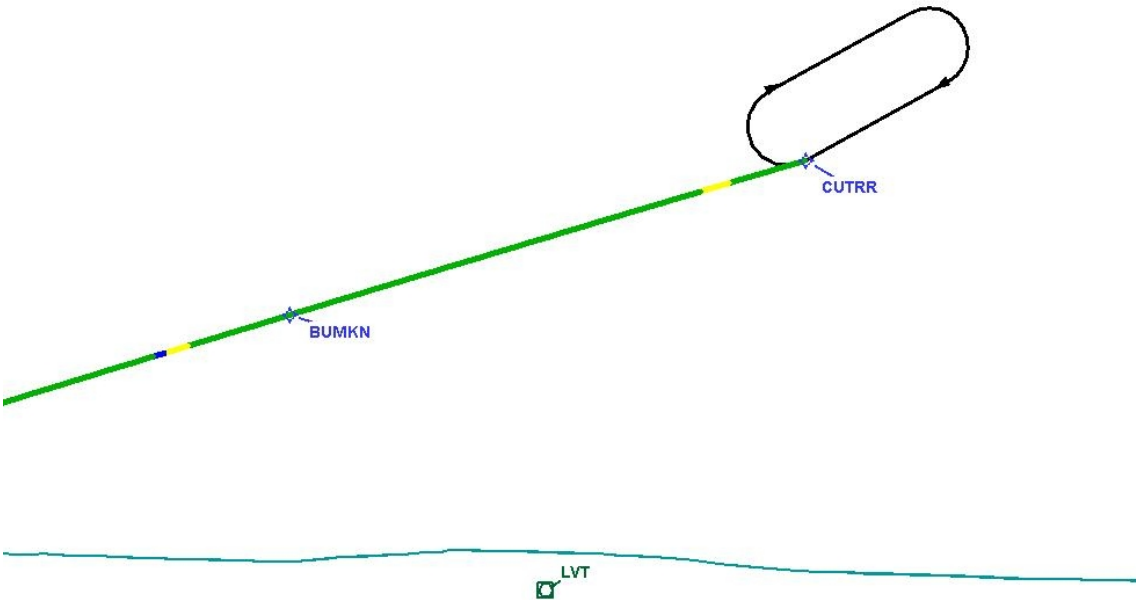


DME DME Assessment Results for JNING1 path JNING_SMSHH

Graphic Depiction 1

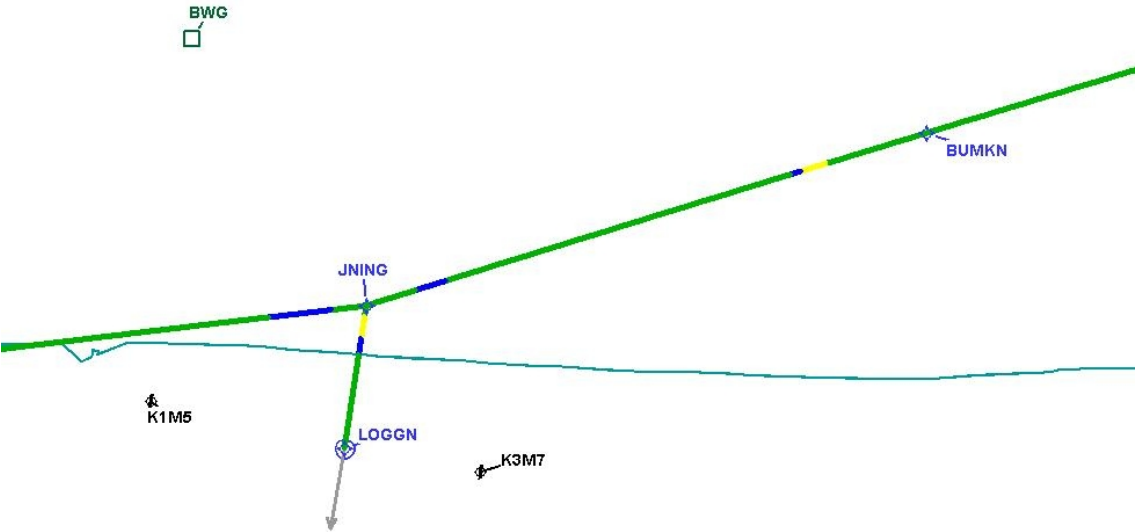


Graphic Depiction 2



DME DME Assessment Results for JNING1 path JNING_SMSHH

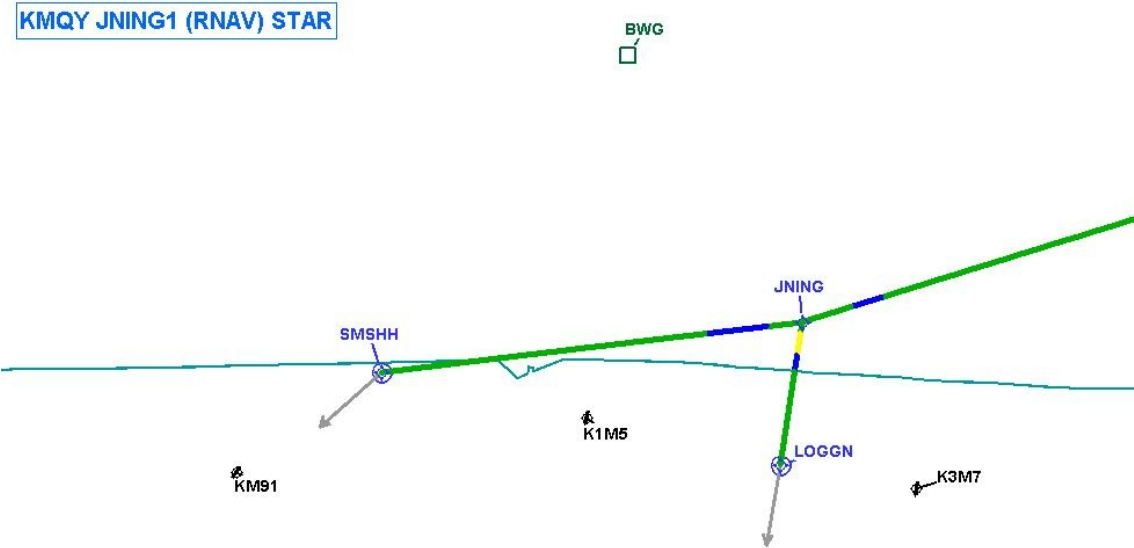
Graphic Depiction 3



DME DME Assessment Results for JNING1 path JNING_SMSHH

Graphic Depiction 4

KMQY JNING1 (RNAV) STAR



DME DME Assessment Results for JNING1 path CUTRR_LOGGN

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\KBNA\KBNA SAT STARS\KMQY JNING1 (RNAV) STAR\KMQY JNING1 (RNAV) STAR DME 19 FEB 2026.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT_FILES\KBNA\KBNA SAT STARS\KMQY JNING1 (RNAV) STAR\ARCHIVE\KMQY [IFPA] JNING1 20260219_1129 EST\CUTRR_LOGGN\KMQY JNING1 RNAV STAR CUTRR LOGGN 20260219_1129 EST.pdf
Procedure Name:	JNING1
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/19/2026 11:29 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
CUTRR	WP	N37° 01' 35.69", W084° 50' 12.77"	8000	VNAV	200	FLY_BY	TF
BUMKN	WP	N36° 52' 04.74", W085° 29' 28.55"	8000	VNAV	200	FLY_BY	TF
JNING	WP	N36° 41' 26.16", W086° 12' 11.18"	6000	VNAV	200	FLY_BY	TF
LOGGN	WP	N36° 32' 37.80", W086° 13' 51.63"	3000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMQY [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 JNING1 path CUTRR_LOGGN

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	BWG	N36° 57' 52.00", W086° 25' 24.00"	0.0 E	130	DH		NO	Enabled	87.7 %	87.7 %
2	BNA	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	H		NO	Enabled	9.3 %	9.3 %
3	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	DH		NO	Enabled	52.6 %	52.6 %
4	LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	L		NO	Enabled	87.7 %	87.7 %
5	HYK	N37° 57' 58.86", W084° 28' 21.10"	0.0 E	40	L		NO	Enabled	6.1 %	6.1 %
6	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH		NO	Enabled	42.7 %	42.6 %
7	EWO	N37° 37' 54.52", W085° 40' 33.16"	1.0 E	40	L		NO	Enabled	28.9 %	28.9 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HYK	LOZ	BWG	LVT		
4.8	HCH	LOZ	BWG	LVT		
33.5	LVT	LOZ				
39.4	HCH	LOZ	BWG	LVT		
40.4	EWO	BWG	LOZ	HCH	LVT	
40.9						
41.5	EWO	BWG	LVT			
63.6						
65.6	LVT	BWG				
69.5	BWG	BNA	LVT			
70.8						
71.8	BWG	BNA				
74.7	HCH	BNA	BWG			

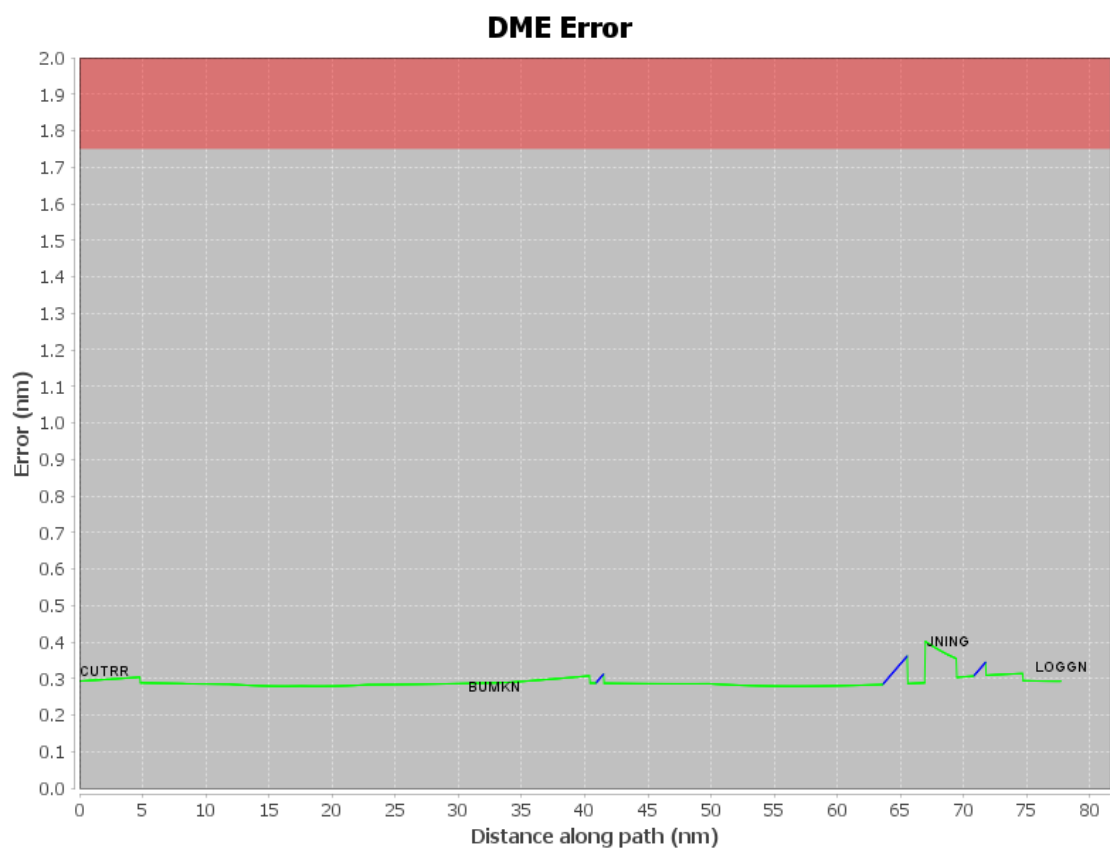
DME DME Assessment Results for JNING1 path CUTRR_LOGGN

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 49' 42.96", W085° 39' 03.89"	N36° 49' 32.18", W085° 39' 47.51"	0.6107
2	N36° 42' 58.89", W086° 06' 03.55"	N36° 42' 24.03", W086° 08' 21.94"	1.9431
3	N36° 39' 24.74", W086° 12' 34.30"	N36° 38' 28.95", W086° 12' 44.91"	0.9394

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
CUTRR	BUMKN	BWG, LOZ, LVT, HYK, HCH	
BUMKN	JNING	BWG, LOZ, LVT, HCH, EWO	
JNING	LOGGN	BWG, BNA, LVT, HCH	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EWO FAA 200445-6 EWO	N37° 37' 54.52", W085° 40' 33.16"	1.0 E	40	960	113.95	EWO FAA 200445-6	
ESV:		Bearing [True]: 178.0° to 203.0° Bearing [Mag]: 177.0° to 202.0°				Arc Distance: Out to 81.0 NM Altitude: 5000.0 to 24000.0 ft		
2	HYK FAA 680420 - 040 HYK	N37° 57' 58.86", W084° 28' 21.10"	0.0 E	40	1035.1	112.6	HYK FAA 680420 - 040	
ESV:		Bearing [True]: 180.0° to 220.0° Bearing [Mag]: 180.0° to 220.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 15500.0 ft		
3	HCH FAA 700766-29 HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	3040	117.6	HCH FAA 700766-29	
ESV:		Bearing [True]: 284.0° to 351.0° Bearing [Mag]: 286.0° to 353.0°				Arc Distance: Out to 72.0 NM Altitude: 5800.0 to 7500.0 ft		
4	LVT FAA 210523 - 012 LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523 - 012	
ESV:		Bearing [True]: 258.0° to 293.0° Bearing [Mag]: 260.0° to 295.0°				Arc Distance: Out to 60.0 NM Altitude: 5000.0 to 15500.0 ft		

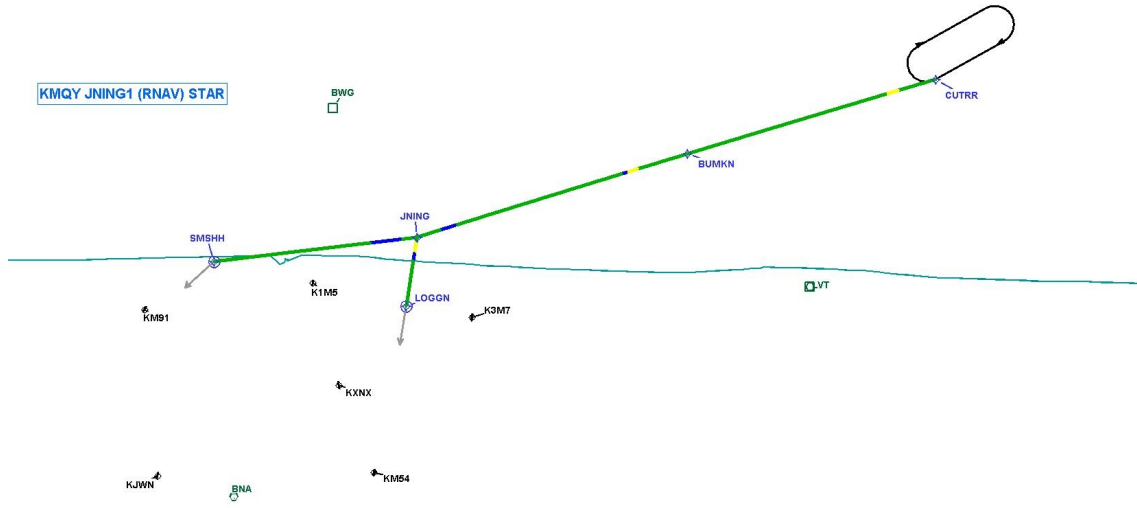
DME DME Assessment Results for JNING1 path CUTRR_LOGGN



DME DME Assessment Results for JNING1 path CUTRR_LOGGN

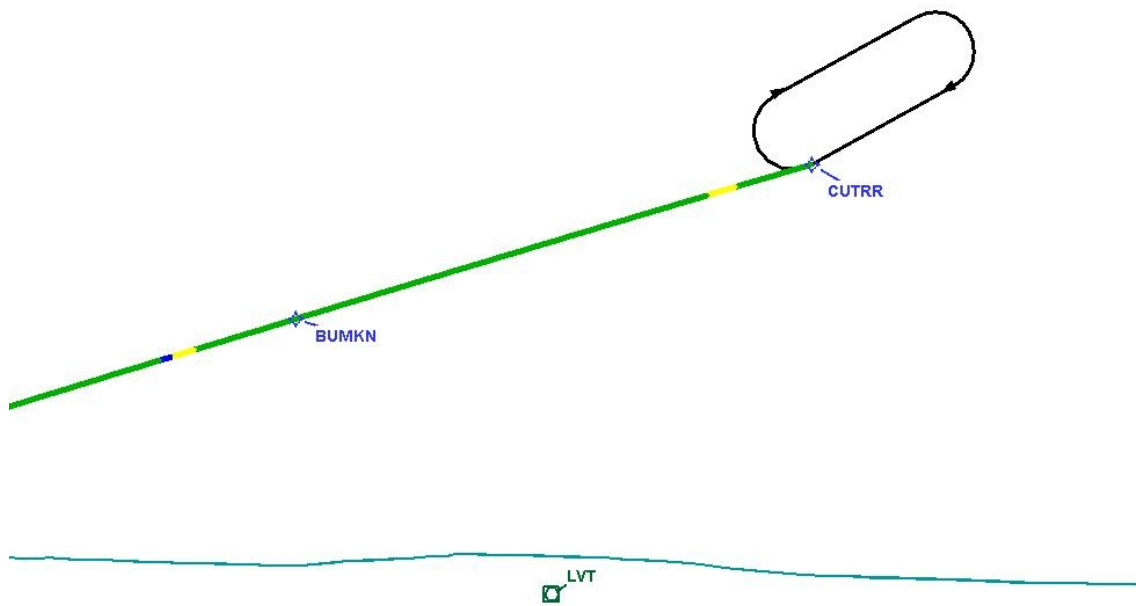
Graphic Depiction 1

□PCT



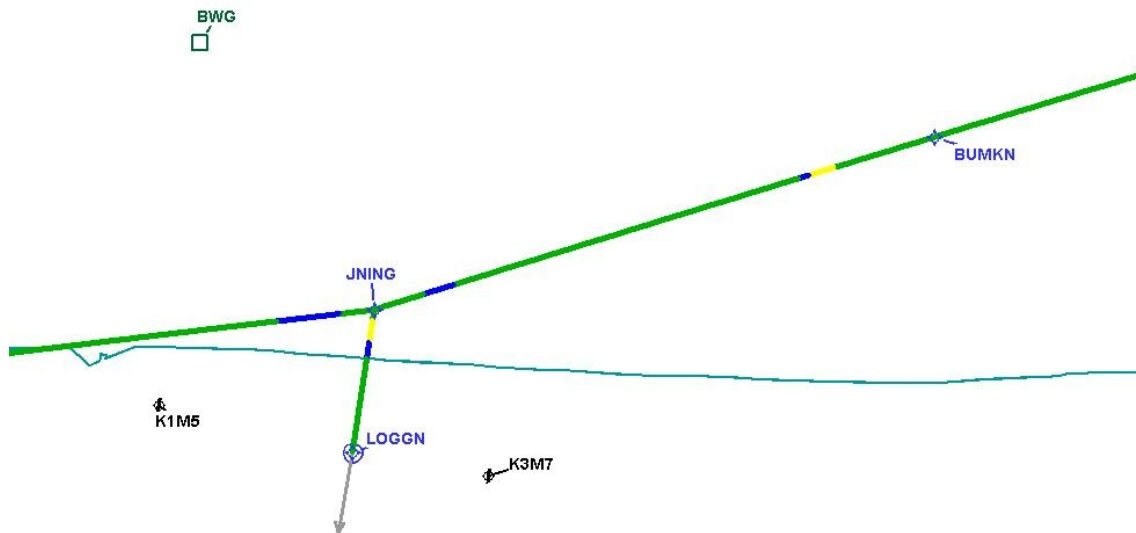
DME DME Assessment Results for JNING1 path CUTRR_LOGGN

Graphic Depiction 2



DME DME Assessment Results for JNING1 path CUTRR_LOGGN

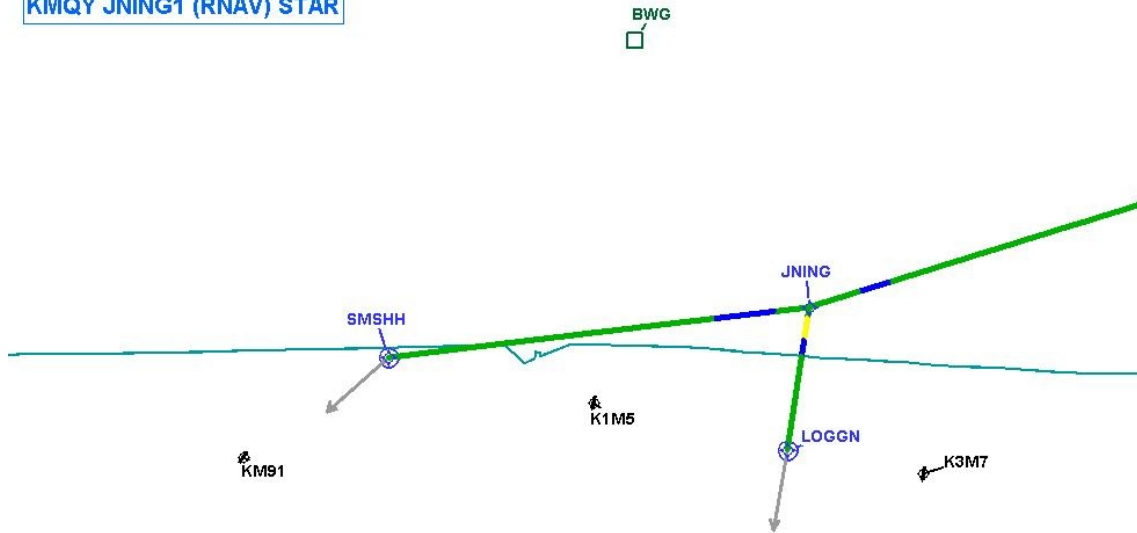
Graphic Depiction 3



DME DME Assessment Results for JNING1 path CUTRR_LOGGN

Graphic Depiction 4

KMQY JNING1 (RNAV) STAR



DME DME Assessment Results for JNING1 path BUMKN_CUTRR

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\KBNA\KBNA SAT STARS\KMQY JNING1 (RNAV) STAR\KMQY JNING1 (RNAV) STAR DME 19 FEB 2026.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT_FILES\KBNA\KBNA SAT STARS\KMQY JNING1 (RNAV) STAR\ARCHIVE\KMQY [IFPA] JNING1 20260219_1129 EST\BUMKN_CUTRR\KMQY JNING1 RNAV STAR BUMKN CUTRR 20260219_1129 EST.pdf
Procedure Name:	JNING1
Software: DmeDmePlugin:	7.6.0
Date/Time:	02/19/2026 11:29 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
BUMKN	WP	N36° 52' 04.74", W085° 29' 28.55"	8000	VNAV	200	FLY_BY	TF
CUTRR	WP	N37° 01' 35.69", W084° 50' 12.77"	8000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KMQY [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 JNING1 path BUMKN_CUTRR

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	BWG	N36° 57' 52.00", W086° 25' 24.00"	0.0 E	130	DH		NO	Enabled	100 %	100 %
2	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	DH		NO	Enabled	100 %	100 %
3	LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	L		NO	Enabled	100 %	100 %
4	HYK	N37° 57' 58.86", W084° 28' 21.10"	0.0 E	40	L		NO	Enabled	14.5 %	14.5 %
5	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH		NO	Enabled	85.3 %	85.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HCH	LOZ	BWG	LVT		
28.1	HYK	LOZ	BWG	LVT		

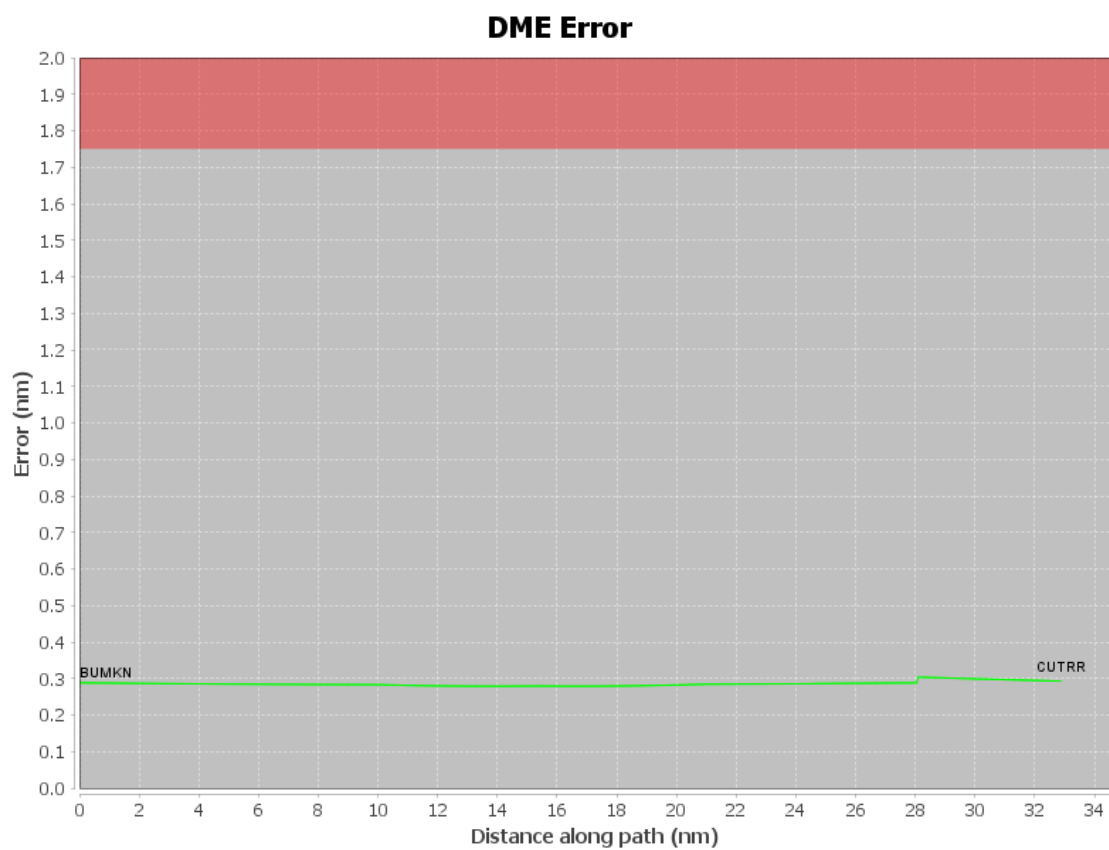
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BUMKN	CUTRR	BWG, LOZ, LVT, HYK, HCH	

DME DME Assessment Results for JNING1 path BUMKN_CUTRR

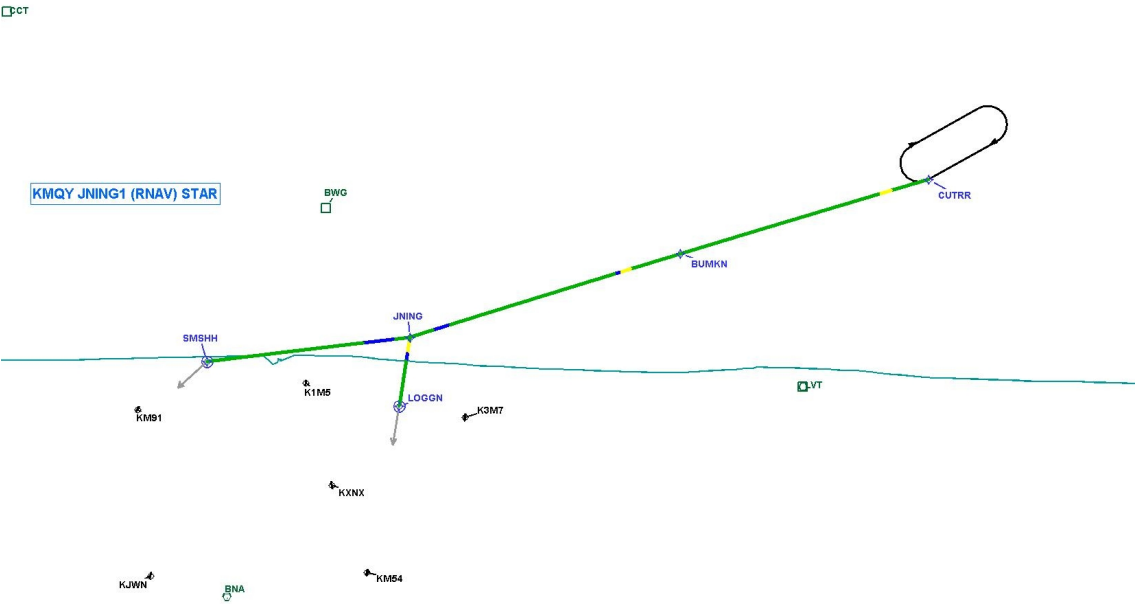
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EWO FAA 200445-6 EWO	N37° 37' 54.52", W085° 40' 33.16"	1.0 E	40	960	113.95	EWO FAA 200445-6	
ESV:		Bearing [True]: 178.0° to 203.0° Bearing [Mag]: 177.0° to 202.0°				Arc Distance: Out to 81.0 NM Altitude: 5000.0 to 24000.0 ft		
2	HYK FAA 680420 - 040 HYK	N37° 57' 58.86", W084° 28' 21.10"	0.0 E	40	1035.1	112.6	HYK FAA 680420 - 040	
ESV:		Bearing [True]: 180.0° to 220.0° Bearing [Mag]: 180.0° to 220.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 15500.0 ft		
3	HCH FAA 700766-29 HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	3040	117.6	HCH FAA 700766-29	
ESV:		Bearing [True]: 284.0° to 351.0° Bearing [Mag]: 286.0° to 353.0°				Arc Distance: Out to 72.0 NM Altitude: 5800.0 to 7500.0 ft		
4	LVT FAA 210523 - 012 LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523 - 012	
ESV:		Bearing [True]: 258.0° to 293.0° Bearing [Mag]: 260.0° to 295.0°				Arc Distance: Out to 60.0 NM Altitude: 5000.0 to 15500.0 ft		

DME DME Assessment Results for JNING1 path BUMKN_CUTRR



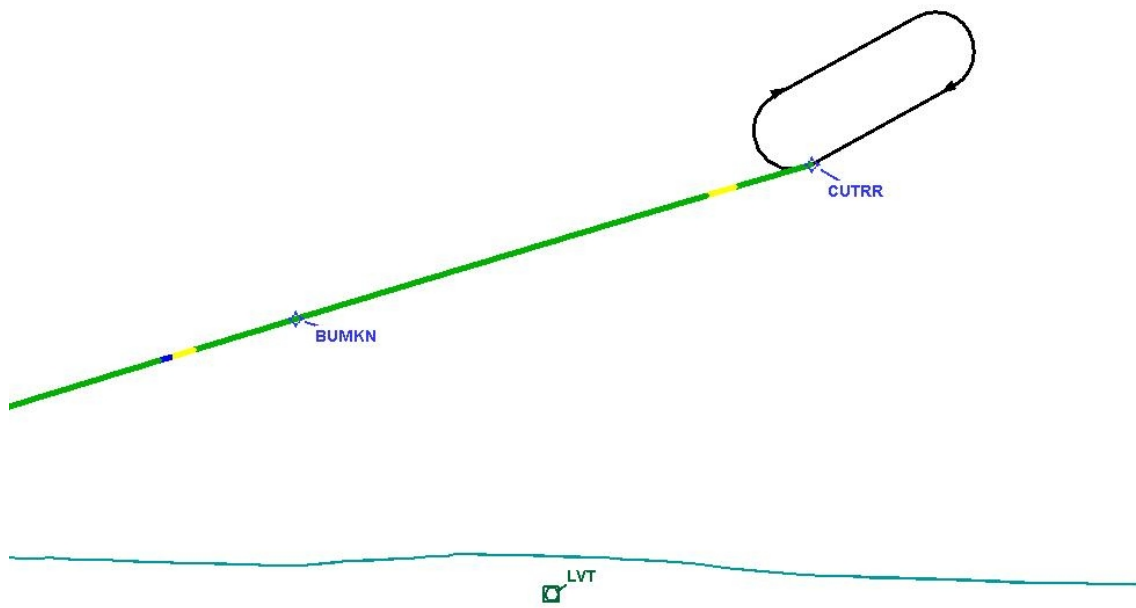
DME DME Assessment Results for JNING1 path BUMKN_CUTRR

Graphic Depiction 1



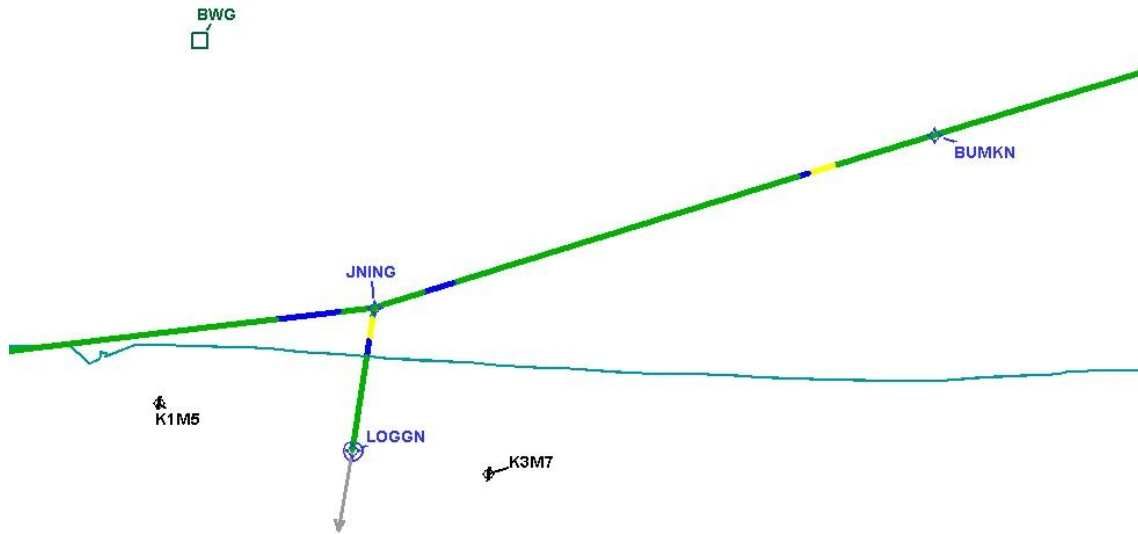
DME DME Assessment Results for JNING1 path BUMKN_CUTRR

Graphic Depiction 2



DME DME Assessment Results for JNING1 path BUMKN_CUTRR

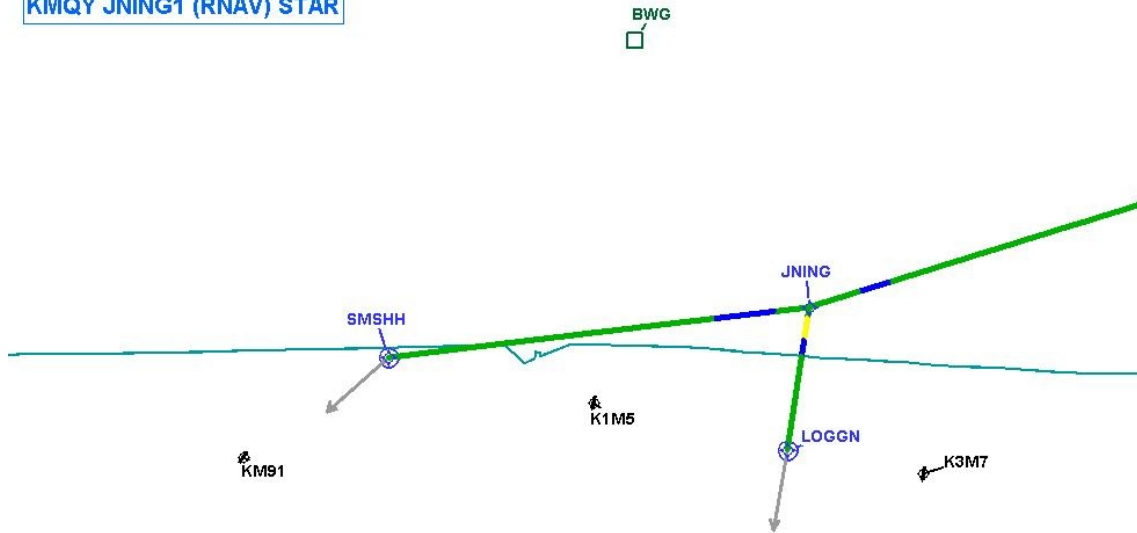
Graphic Depiction 3



DME DME Assessment Results for JNING1 path BUMKN_CUTRR

Graphic Depiction 4

KMQY JNING1 (RNAV) STAR



DME ESVs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EWO FAA 200445-6 EWO	N37° 37' 54.52", W085° 40' 33.16"	1.0 E	40	960	113.95	EWO FAA 200445-6	
ESV:		Bearing [True]: 178.0° to 203.0° Bearing [Mag]: 177.0° to 202.0°				Arc Distance: Out to 81.0 NM Altitude: 5000.0 to 24000.0 ft		
2	HCH FAA 700766-29 HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	3040	117.6	HCH FAA 700766-29	
ESV:		Bearing [True]: 284.0° to 351.0° Bearing [Mag]: 286.0° to 353.0°				Arc Distance: Out to 72.0 NM Altitude: 5800.0 to 7500.0 ft		
3	HYK FAA 680420 - 040 HYK	N37° 57' 58.86", W084° 28' 21.10"	0.0 E	40	1035.1	112.6	HYK FAA 680420 - 040	
ESV:		Bearing [True]: 180.0° to 220.0° Bearing [Mag]: 180.0° to 220.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 15500.0 ft		
4	LVT FAA 210523 - 012 LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523 - 012	
Restriction:		Bearing [True]: 32.0° to 54.0° Bearing [Mag]: 34.0° to 56.0°				Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 258.0° to 293.0° Bearing [Mag]: 260.0° to 295.0°				Arc Distance: Out to 60.0 NM Altitude: 5000.0 to 15500.0 ft		