

DME DME Assessment Results for RACYR1 path TERGE_RACYR

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\DME DME Screening\KIND 20261224\STARS\RACYR1 STAR\KTYQ RACYR1 (RNAV) STAR_DME DME20260715.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\RACYR1 STAR\KTYQ [IFPA] RACYR1 20260804_1023 EDT\TERGE_RACYR\KTYQ RACYR1 RNAV STAR TERGE RACYR 20260804_1023 EDT.pdf
Procedure Name:	RACYR1
Software: DmeDmePlugin:	8.0.3
Date/Time:	08/04/2026 10:23 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
TERGE	WP	N37° 55' 42.4700", W087° 45' 44.1900"	13000	VNAV	240	FLY_BY	TF
RACYR	WP	N39° 06' 42.5700", W086° 53' 50.6400"	7000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KTYQ [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

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DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	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' 52.0000", W086° 25' 24.0000"	0.0 E	130	DH		NO	Enabled	7.3 %	7.3 %
2	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	19.1 %	19.1 %
3	LWV	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	T		NO	Enabled	26.6 %	26.6 %
4	OWB	N37° 44' 36.7983", W087° 09' 57.3722"	4.0 W	40	L		NO	Enabled	31 %	31 %
5	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	130	DH		NO	Enabled	9.1 %	9.1 %
6	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	25.9 %	25.9 %
7	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	15.3 %	15.3 %
8	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	83.5 %	83.5 %
9	PXV	N37° 55' 41.9514", W087° 45' 44.5675"	3.0 E	130	H		NO	Enabled	44.9 %	44.9 %
10	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	19.1 %	19.1 %

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Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	SAM	OWB	EWO	BWG		
3.0	PXV	OWB	SAM	EWO	BWG	
6.0	PXV	OWB	EWO	SAM		
7.5	PXV	OWB	SAM			
25.4	SAM	PXV				
30.7	SAM	PXV	LWV	OWB		
30.8	SAM	PXV				
36.5	SAM	PXV	LWV			
39.8	LWV	SAM				
52.7						
52.8	SHB	LWV				
58.5						
66.2	SAM	TTH	SHB	VHP		
69.3	SAM	TTH	OOM	SHB	VHP	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N38° 41' 31.5357", W087° 12' 28.7209"	N38° 41' 35.0049", W087° 12' 26.1715"	0.0667
2	N38° 46' 29.8272", W087° 08' 49.2218"	N38° 53' 11.9852", W087° 03' 52.3473"	7.7322

Available DMEs by Waypoints

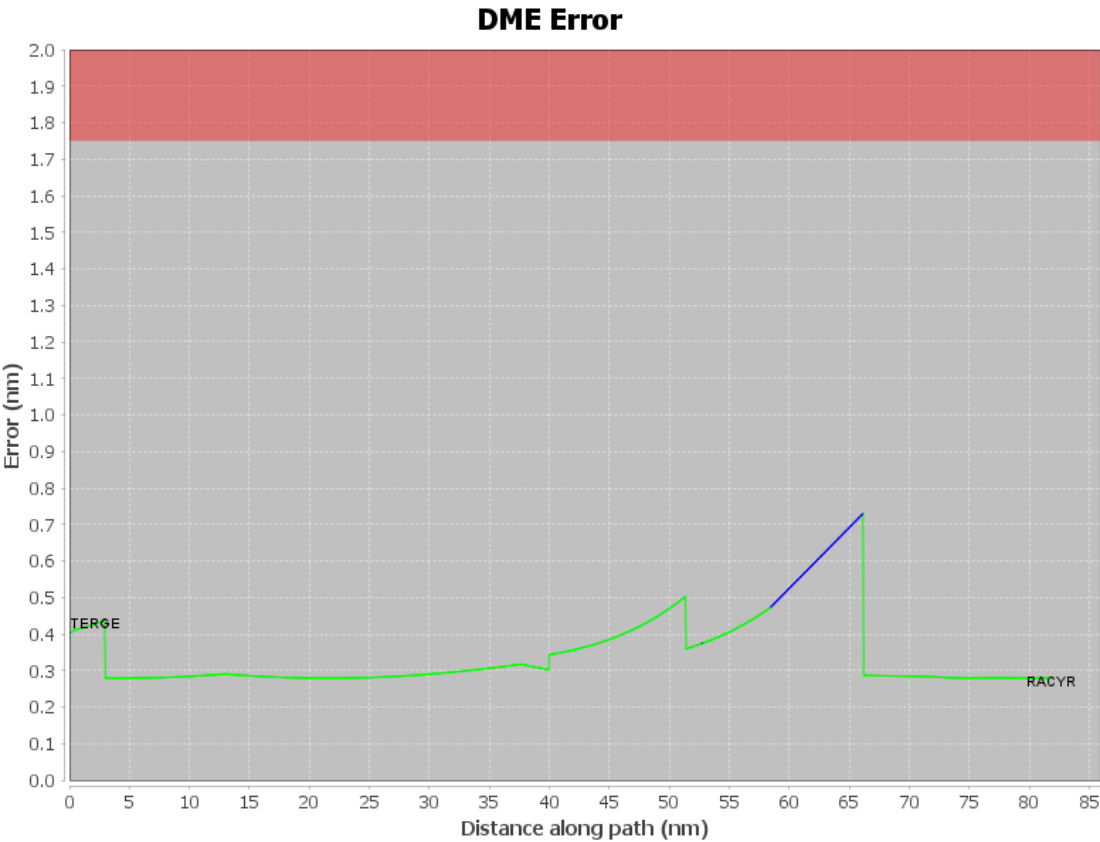
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TERGE	RACYR	BWG, TTH, LWV, OWB, EWO, SHB, OOM, SAM, PXV, VHP	

User Data Files

#	File Name
1	New Analysis.udt

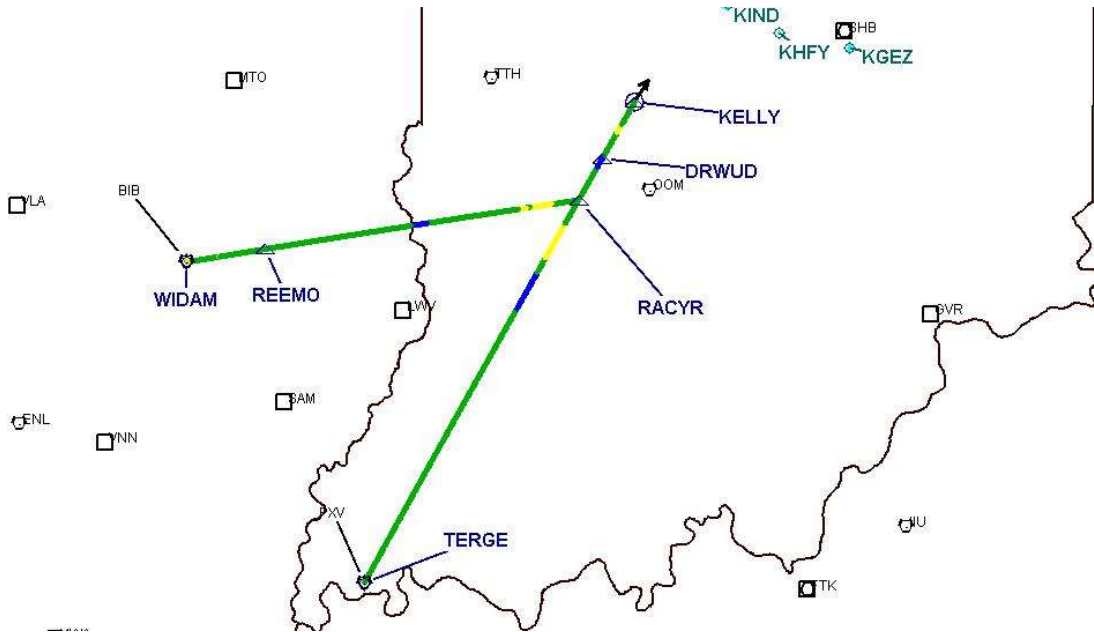
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	VHP FAA 698209-61 VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	871.5	116.3	VHP FAA 698209-61	
ESV:		Bearing [True]: 202.0° to 218.0° Bearing [Mag]: 201.0° to 217.0°				Arc Distance: Out to 69.0 NM Altitude: 4000.0 to 15400.0 ft		



DME DME Assessment Results for RACYR1 path TERGE_RACYR

Graphic Depiction 1



DME DME Assessment Results for RACYR1 path WIDAM_KELLY

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\DME DME Screening\KIND 20261224\STARS\RACYR1 STAR\KTYQ RACYR1 (RNAV) STAR_DME DME20260715.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\RACYR1 STAR\KTYQ [IFPA] RACYR1 20260804_1023 EDT\WIDAM_KELLY\KTYQ RACYR1 RNAV STAR WIDAM KELLY 20260804_1023 EDT.pdf
Procedure Name:	RACYR1
Software: DmeDmePlugin:	8.0.3
Date/Time:	08/04/2026 10:23 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
WIDAM	WP	N38° 55' 13.3400", W088° 28' 53.7500"	7000	VNAV	200	FLY_BY	TF
REEMO	WP	N38° 57' 37.3400", W088° 09' 55.8500"	7000	VNAV	200	FLY_BY	TF
RACYR	WP	N39° 06' 42.5700", W086° 53' 50.6400"	7000	VNAV	200	FLY_BY	TF
DRWUD	WP	N39° 14' 19.8600", W086° 48' 09.4200"	3000	VNAV	200	FLY_BY	TF
KELLY	WP	N39° 24' 49.2400", W086° 40' 16.9400"	3000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KTYQ [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 RACYR1 path WIDAM_KELLY

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	VNN	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	L		NO	Enabled	1 %	1 %
2	MTO	N39° 28' 40.4100", W088° 17' 10.3500"	0.0 E	40	L		NO	Enabled	34.2 %	34.1 %
3	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL		NO	Enabled	0.4 %	0.4 %
4	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	45.4 %	45.4 %
5	VLA	N39° 05' 37.5900", W089° 09' 44.5200"	0.0 E	40	L		NO	Enabled	5.7 %	5.7 %
6	BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	L		NO	Enabled	36.7 %	36.6 %
7	LWV	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	T		NO	Enabled	23.5 %	23.4 %
8	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	43.9 %	43.9 %
9	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	31.3 %	31.3 %
10	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	70.5 %	70.4 %
11	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	27.1 %	27.1 %

DME DME Assessment Results for RACYR1 path WIDAM_KELLY

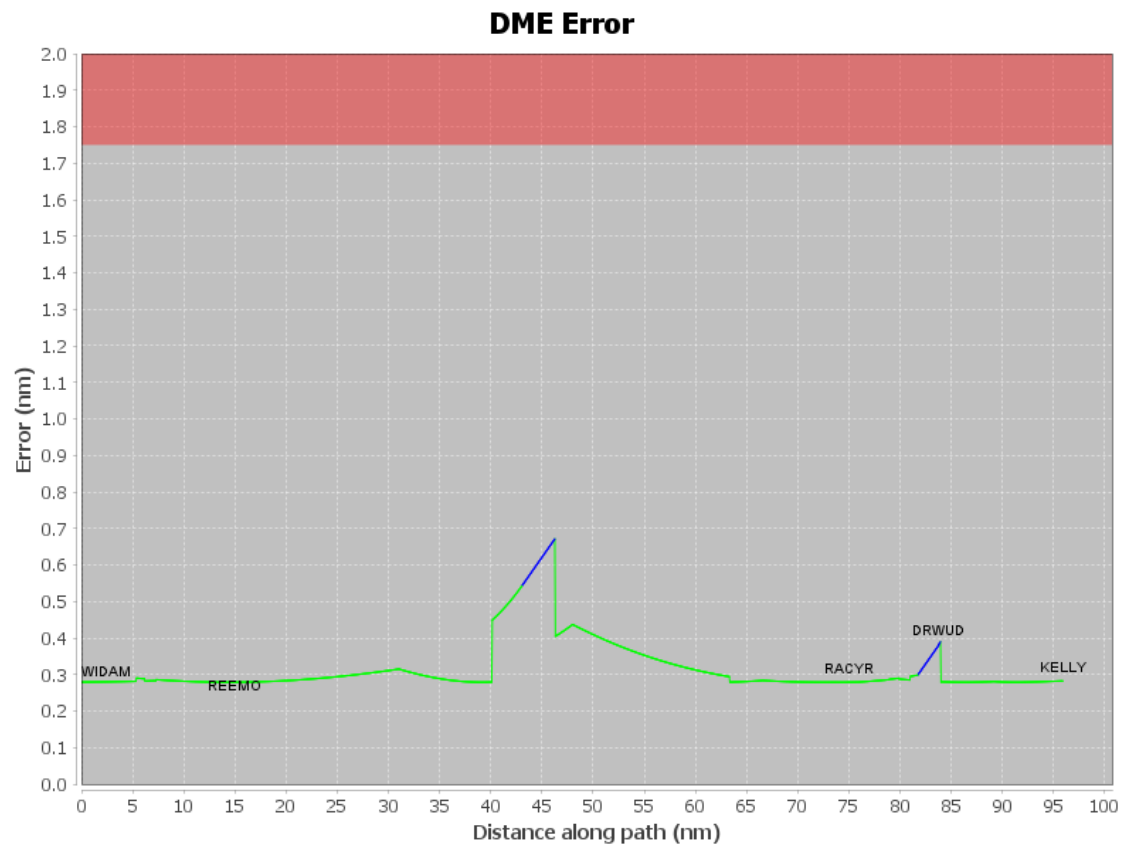
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MTO	VLA	CSX	SAM		
0.1	MTO	VLA	VNN	SAM	CSX	
0.4	MTO	VLA	VNN	SAM		
1.1	MTO	VLA	SAM			
4.7	MTO	VLA	BIB	SAM		
5.4	MTO	BIB	SAM			
6.2	MTO	VLA	BIB	SAM		
6.4	MTO	BIB	SAM			
22.3	MTO	BIB	SAM	LWV		
22.4	MTO	BIB	SAM			
23.4	MTO	BIB	SAM	LWV		
32.8	LWV	BIB	SAM			
34.3	LWV	BIB	TTH	SAM		
39.9	LWV	TTH	SAM			
40.6	LWV	SAM				
43.1						
46.3	SHB	LWV	TTH			
49.2	SHB	TTH				
54.4	SHB	TTH	SAM			
63.6	TTH	OOM	SHB	SAM		
65.8	TTH	OOM	SHB	SAM	VHP	
78.9	SAM	TTH	SHB	OOM		
79.0	SHB	TTH	OOM			
79.9	VHP	TTH	SHB	OOM		
81.0	SHB	TTH	OOM			
81.8						
84.0	VHP	OOM				
89.3	SHB	OOM	TTH	VHP		
91.1	SHB	OOM	VHP			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 01' 58.9709", W087° 34' 19.3933"	N39° 02' 28.2652", W087° 30' 14.2260"	3.2209
2	N39° 12' 36.3478", W086° 49' 26.7850"	N39° 14' 31.3605", W086° 48' 00.8113"	2.2153

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
WIDAM	REEMO	VNN, MTO, CSX, VLA, BIB, SAM	
REEMO	RACYR	MTO, TTH, BIB, LWV, SHB, OOM, SAM, VHP	
RACYR	DRWUD	TTH, SHB, OOM, SAM, VHP	
DRWUD	KELLY	TTH, OOM, SHB, VHP	

User Data Files									
#	File Name								
1	New Analysis.udt								
User DMEs									
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status	
1	VHP FAA 698209-61 VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	871.5	116.3	VHP FAA 698209-61		
ESV:						Bearing [True]: 202.0° to 218.0° Bearing [Mag]: 201.0° to 217.0°			Arc Distance: Out to 69.0 NM Altitude: 4000.0 to 15400.0 ft

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Graphic Depiction 1

