

DME DME Assessment Results for TOTTZ1 path HTDSH_ALO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\Downloads\KMSP TOTTZ1 SID 20260608.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP TOTTZ ONE SID 260319\KMSP [IFPA] TOTTZ1 20260608_1226 EDT\HTDSH_ALO\KMSP TOTTZ1 SID HTDSH ALO 20260608_1226 EDT.pdf
Procedure Name:	TOTTZ1
Software: DmeDmePlugin:	8.0.0
Date/Time:	06/08/2026 12:26 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
HTDSH	WP	N44° 33' 00.2016", W093° 01' 03.2956"	3900	VNAV	200	FLY_BY	TF
TOTTZ	WP	N44° 19' 28.5617", W092° 58' 07.6633"	6000	VNAV	200	FLY_BY	TF
CORDY	WP	N44° 07' 25.3800", W092° 49' 47.2100"	6000	VNAV	200	FLY_BY	TF
FOOLS	WP	N43° 46' 58.2000", W092° 35' 44.9300"	8000	VNAV	200	FLY_BY	TF
EXTEE	WP	N42° 49' 58.6655", W092° 26' 33.4316"	10000	VNAV	200	FLY_BY	TF
ALO	WP	N42° 33' 23.3876", W092° 23' 56.1261"	12000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KMSP [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 TOTZ1 path HTDSH_ALO

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	MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	H		NO	Enabled	30.9 %	30.9 %
2	FCM	N44° 49' 31.2603", W093° 26' 33.6793"	1.0 E	40	L		NO	Enabled	13.6 %	13.5 %
3	FNX	N43° 38' 15.9267", W094° 24' 47.5134"	0.0 E	130	DH		NO	Enabled	74.1 %	74.2 %
4	LNR	N43° 17' 39.8500", W090° 07' 59.3257"	0.0 E	130	DH		NO	Enabled	10.4 %	10.6 %
5	FGT	N44° 37' 51.4303", W093° 10' 55.3911"	6.0 E	130	H		NO	Enabled	19.2 %	19.2 %
6	RST	N43° 46' 58.4501", W092° 35' 49.0560"	5.0 E	130	DH		NO	Enabled	86.6 %	86.7 %
7	GEP	N45° 08' 44.4656", W093° 22' 23.4514"	6.0 E	130	H		NO	Enabled		
8	ALO	N42° 33' 23.3876", W092° 23' 56.1261"	0.0 E	40	L		NO	Enabled	28.7 %	28.7 %
9	AEL	N43° 40' 54.2460", W093° 22' 14.7184"	1.0 E	25	T		NO	Enabled	18.5 %	18.5 %
10	MSP	N44° 53' 47.3958", W093° 14' 11.5137"	2.0 E	130	DH		NO	Enabled	56.4 %	56.3 %
11	JWJ	N42° 06' 40.6548", W092° 54' 31.4857"	0.0 E	40	L		NO	Enabled	2.3 %	2.4 %
12	FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	T		NO	Enabled	18.5 %	18.5 %

DME DME Assessment Results for TOTZ1 path HTDSH_ALO

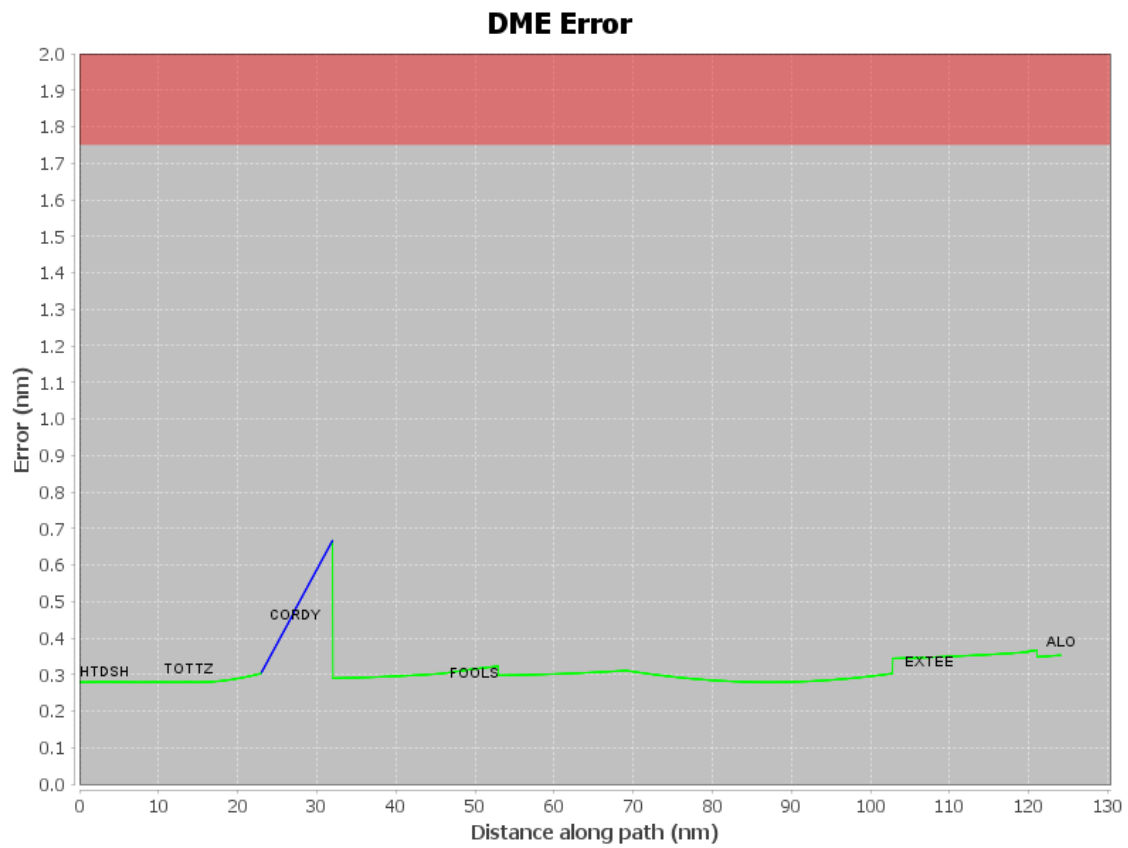
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FOW	FGT	FCM	AEL	MSP	GEP
0.1	FOW	FGT	FCM	AEL	MSP	RST
16.8	FOW	MSP	RST	FGT	AEL	
23.0						
32.0	FNX	MSP	RST	FGT		
33.0	FNX	MSP	RST			
45.6	FNX	MSP				
53.0	FNX	RST	MSP			
54.5	FNX	RST	MSP	MCW		
79.0	MCW	RST	FNX			
84.3	MCW	RST	ALO	FNX		
90.8	ALO	FNX	RST			
100.7	MCW	ALO	RST	LNR	FNX	
102.8	ALO	FNX	RST			
113.0	LNR	RST	ALO	FNX		
119.9	LNR	RST	FNX			
121.1	FNX	JWJ	LNR	RST		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N44° 11' 08.6519", W092° 52' 21.3080"	N44° 03' 02.7777", W092° 46' 46.0560"	9.0405

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HTDSH	TOTZ	FCM, FGT, RST, GEP, AEL, MSP, FOW	
TOTZ	CORDY	FCM, FGT, RST, AEL, MSP, FOW	
CORDY	FOOLS	FNX, FGT, RST, MSP	
FOOLS	EXTEE	MCW, FNX, LNR, RST, ALO, MSP	
EXTEE	ALO	FNX, LNR, RST, ALO, JWJ	

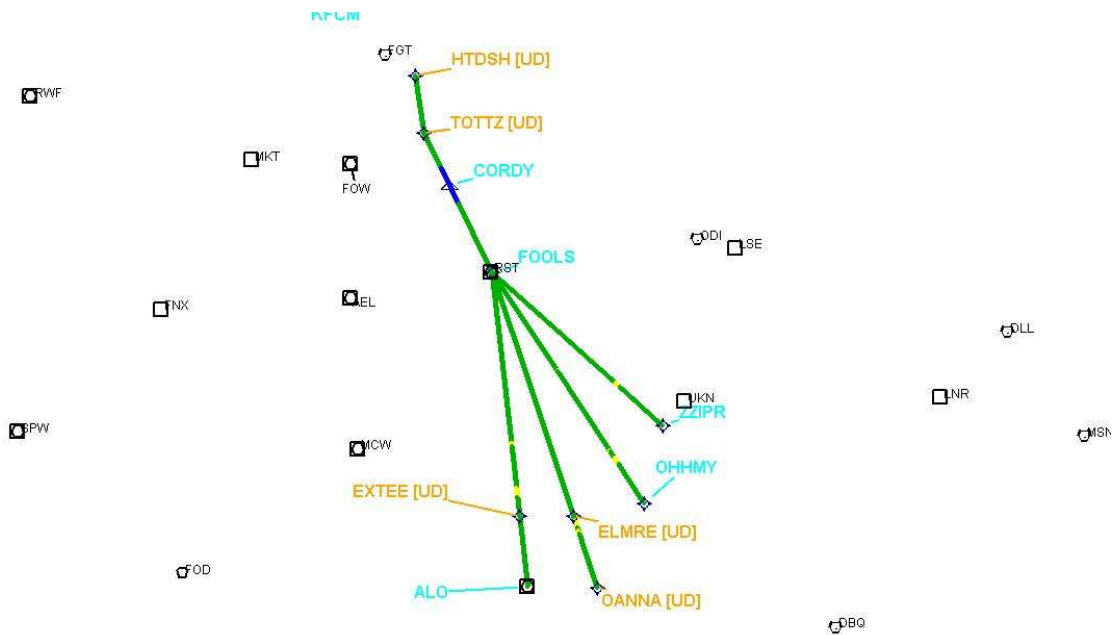
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV FOW [IFPA] FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	1099.1	111.2	ESV FOW [IFPA]	
ESV:		Bearing [True]: 4.0° to 95.0° Bearing [Mag]: 2.0° to 93.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 12200.0 ft		
2	ESV AEL [IFPA] AEL	N43° 40' 54.2460", W093° 22' 14.7184"	1.0 E	25	1251.8	109.8	ESV AEL [IFPA]	
ESV:		Bearing [True]: 12.0° to 38.0° Bearing [Mag]: 11.0° to 37.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 13300.0 ft		
3	ESV MCW [IFPA] MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	1208.6	114.9	ESV MCW [IFPA]	
ESV:		Bearing [True]: 38.0° to 88.0° Bearing [Mag]: 32.0° to 82.0°				Arc Distance: Out to 67.0 NM Altitude: 8000.0 to 15800.0 ft		

DME DME Assessment Results for TOTTZ1 path HTDSH_ALO



DME DME Assessment Results for TOTZ1 path HTDSH_ALO

Graphic Depiction 1



DME DME Assessment Results for TOTTZ1 path FOOLS_OANNA

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\KMSP 260319\SIDS\KMSP TOTTZ ONE SID 260319\KMSP TOTTZ ONE SID DME DME 260325lu.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 260319\SIDS\KMSP TOTTZ ONE SID 260319\KMSP [IFPA] TOTTZ1 20260325_1101 EDT\FOOLS_OANNA\KMSP TOTTZ1 SID FOOLS OANNA 20260325_1101 EDT.pdf
Procedure Name:	TOTTZ1
Software: DmeDmePlugin:	7.6.0
Date/Time:	03/25/2026 11:01 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
FOOLS	WP	N43° 46' 58.2000", W092° 35' 44.9300"	8000	VNAV	200	FLY_BY	TF
ELMRE	WP	N42° 50' 00.0375", W092° 08' 49.8661"	10000	VNAV	200	FLY_BY	TF
OANNA	WP	N42° 33' 21.1183", W092° 01' 07.8124"	12000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KMSP [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 TOTTZ1 path FOOLS_OANNA

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	H		NO	Enabled	48.5 %	48.4 %
2	FNX	N43° 38' 15.9267", W094° 24' 47.5134"	0.0 E	130	DH		NO	Enabled	54.7 %	54.6 %
3	LNR	N43° 17' 39.8500", W090° 07' 59.3257"	0.0 E	130	DH		NO	Enabled	54.7 %	54.8 %
4	RST	N43° 46' 58.4501", W092° 35' 49.0560"	5.0 E	130	DH		NO	Enabled	94.8 %	94.8 %
5	ALO	N42° 33' 23.3876", W092° 23' 56.1261"	0.0 E	40	L		NO	Enabled	31.6 %	31.8 %
6	UKN	N43° 16' 48.3077", W091° 32' 14.5026"	0.0 E	40	L		NO	Enabled	36.3 %	36.2 %
7	MSP	N44° 53' 47.3958", W093° 14' 11.5137"	2.0 E	130	DH		NO	Enabled	36.6 %	36.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FNX	MSP				
3.0	FNX	MSP	MCW			
4.1	FNX	RST	MCW	MSP		
28.5	MCW	RST	FNX			
30.6	MCW	RST	UKN	FNX		
35.2	MCW	RST	UKN	LNR	FNX	
40.8	RST	UKN	LNR	FNX		
42.5	RST	UKN	LNR			
53.1	RST	UKN	LNR	ALO		
56.2	LNR	RST	ALO			
61.3	RST	UKN	LNR	ALO		
63.1	LNR	RST	ALO			
63.7	ALO	RST	LNR	UKN		
64.6	ALO	RST	LNR			

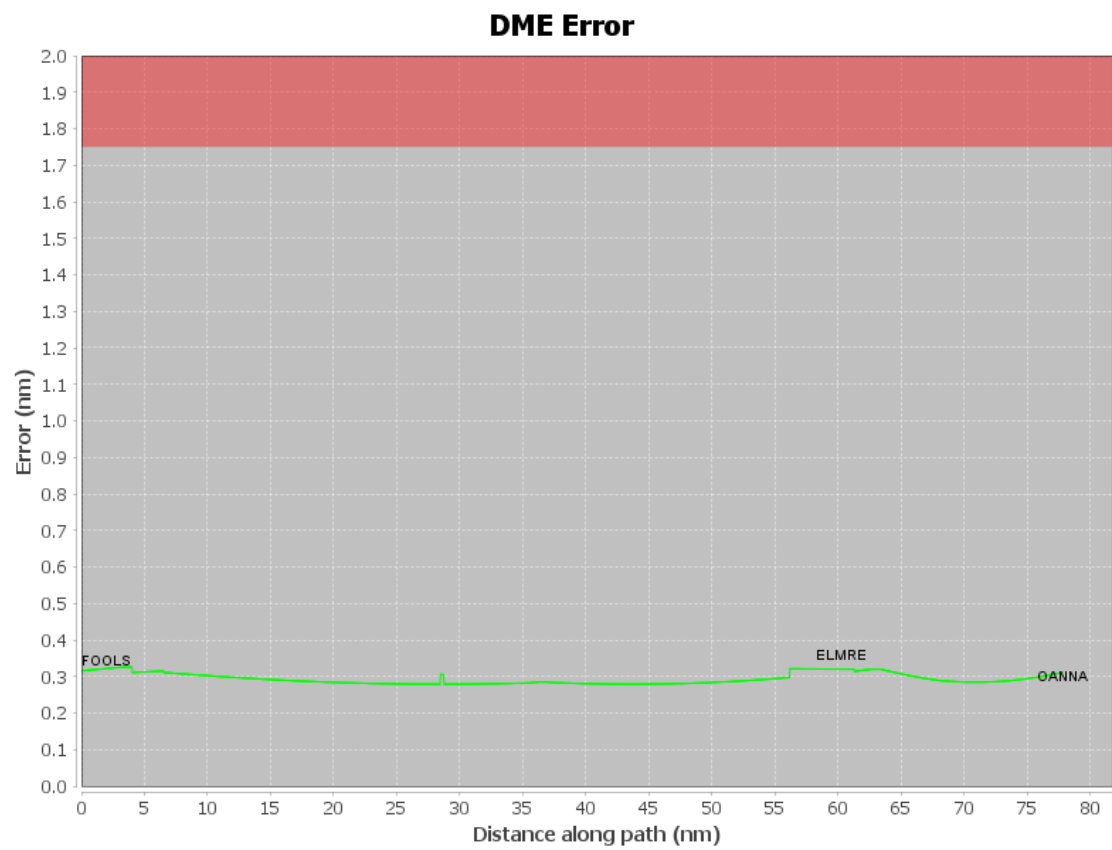
DME DME Assessment Results for TOTTZ1 path FOOLS_OANNA

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FOOLS	ELMRE	MCW, FNX, LNR, RST, ALO, UKN, MSP	
ELMRE	OANNA	LNR, RST, ALO, UKN	

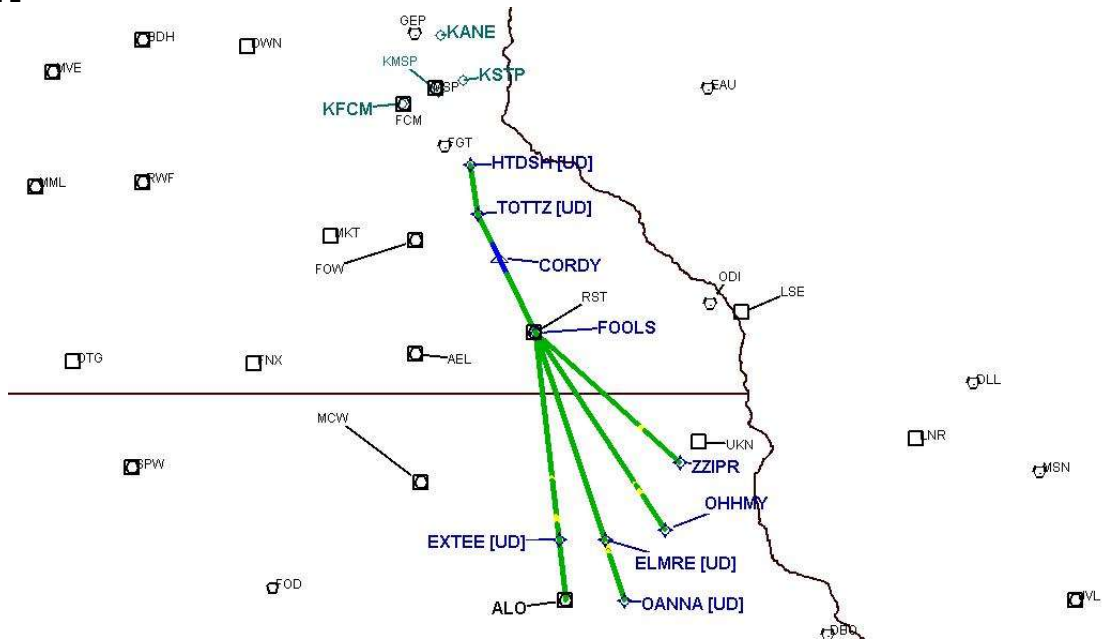
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV MCW [IFPA] MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	1208.6	114.9	ESV MCW [IFPA]	
ESV:		Bearing [True]: 38.0° to 88.0° Bearing [Mag]: 32.0° to 82.0°				Arc Distance: Out to 67.0 NM Altitude: 8000.0 to 15800.0 ft		
2	AEL AEL	N43° 40' 54.2460", W093° 22' 14.7184"	1.0 E	25	1251.8	109.8	AEL	
ESV:		Bearing [True]: 12.0° to 38.0° Bearing [Mag]: 11.0° to 37.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 13300.0 ft		
3	FOW FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	1099.1	111.2	FOW	
ESV:		Bearing [True]: 4.0° to 57.0° Bearing [Mag]: 2.0° to 55.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 12200.0 ft		

DME DME Assessment Results for TOTZ1 path FOOLS_OANNA



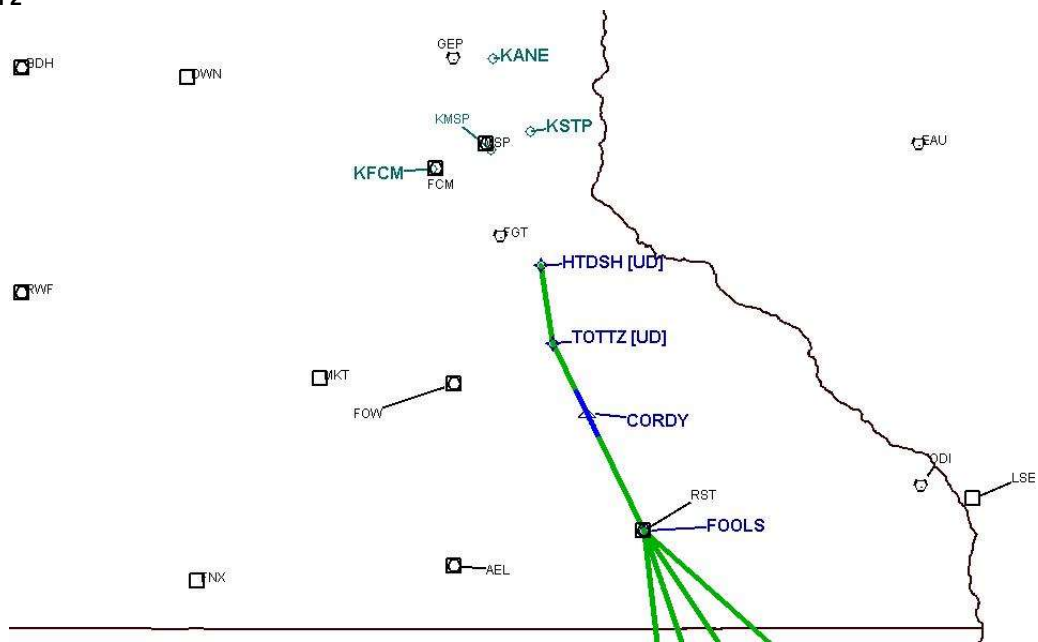
DME DME Assessment Results for TOTTTZ1 path FOOLS_OANNA

Graphic Depiction 1



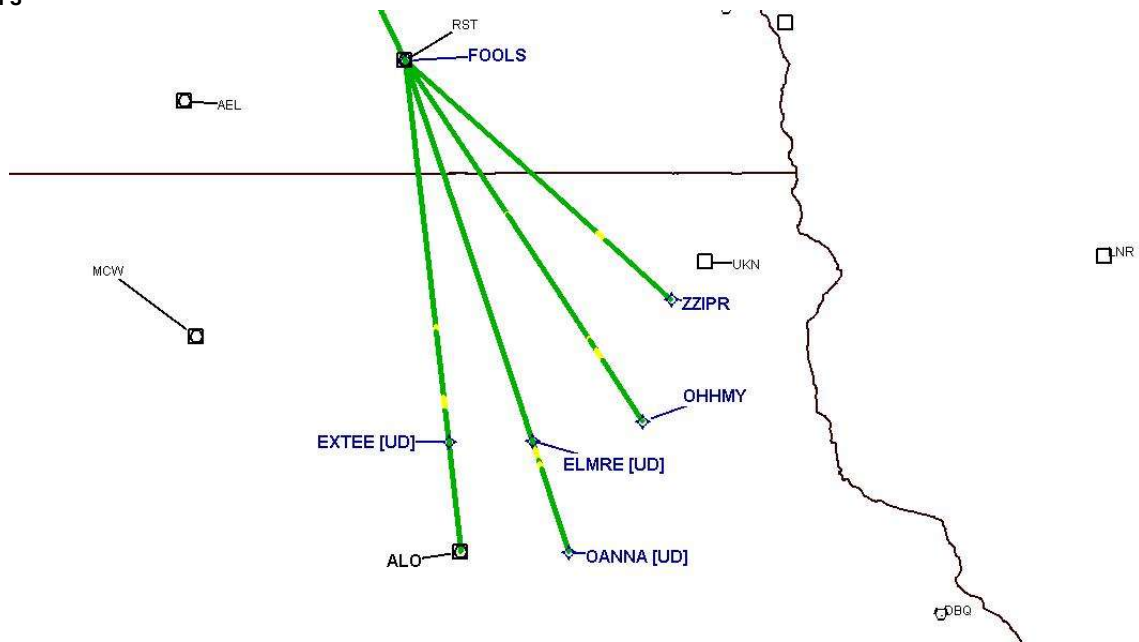
DME DME Assessment Results for TOTTZ1 path FOOLS_OANNA

Graphic Depiction 2



DME DME Assessment Results for TOTZ1 path FOOLS_OANNA

Graphic Depiction 3



DME DME Assessment Results for TOTTZ1 path FOOLS_OHHMY

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\KMSP 260319\SIDS\KMSP TOTTZ ONE SID 260319\KMSP TOTTZ ONE SID DME DME 260325lu.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 260319\SIDS\KMSP TOTTZ ONE SID 260319\KMSP [IFPA] TOTTZ1 20260325_1101 EDT\FOOLS_OHHMY\KMSP TOTTZ1 SID FOOLS OHHMY 20260325_1101 EDT.pdf
Procedure Name:	TOTTZ1
Software: DmeDmePlugin:	7.6.0
Date/Time:	03/25/2026 11:01 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
FOOLS	WP	N43° 46' 58.2000", W092° 35' 44.9300"	8000	VNAV	200	FLY_BY	TF
OHHMY	WP	N42° 52' 53.0000", W091° 45' 30.0000"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KMSP [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 TOTTZ1 path FOOLS_OHMY

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	H		NO	Enabled	54.3 %	54.3 %
2	FNX	N43° 38' 15.9267", W094° 24' 47.5134"	0.0 E	130	DH		NO	Enabled	38.8 %	38.8 %
3	LNR	N43° 17' 39.8500", W090° 07' 59.3257"	0.0 E	130	DH		NO	Enabled	62.3 %	62.3 %
4	RST	N43° 46' 58.4501", W092° 35' 49.0560"	5.0 E	130	DH		NO	Enabled	94 %	94 %
5	ALO	N42° 33' 23.3876", W092° 23' 56.1261"	0.0 E	40	L		NO	Enabled	20.3 %	20.3 %
6	UKN	N43° 16' 48.3077", W091° 32' 14.5026"	0.0 E	40	L		NO	Enabled	68.2 %	68.2 %
7	MSP	N44° 53' 47.3958", W093° 14' 11.5137"	2.0 E	130	DH		NO	Enabled	42.7 %	42.7 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FNX	MSP				
1.7	FNX	MSP	MCW			
3.9	MCW	RST	MSP	FNX		
19.8	FNX	MSP	RST	UKN		
24.6	LNR	RST	MSP	FNX	UKN	
25.3	LNR	RST	MSP	UKN		
27.8	LNR	RST	UKN	MSP	FNX	
28.0	MCW	RST	LNR			
28.9	MCW	RST	LNR	UKN		
45.4	RST	UKN	LNR			
50.2	RST	UKN	ALO	LNR		
50.6	RST	UKN	LNR			
52.4	RST	UKN	ALO	LNR		

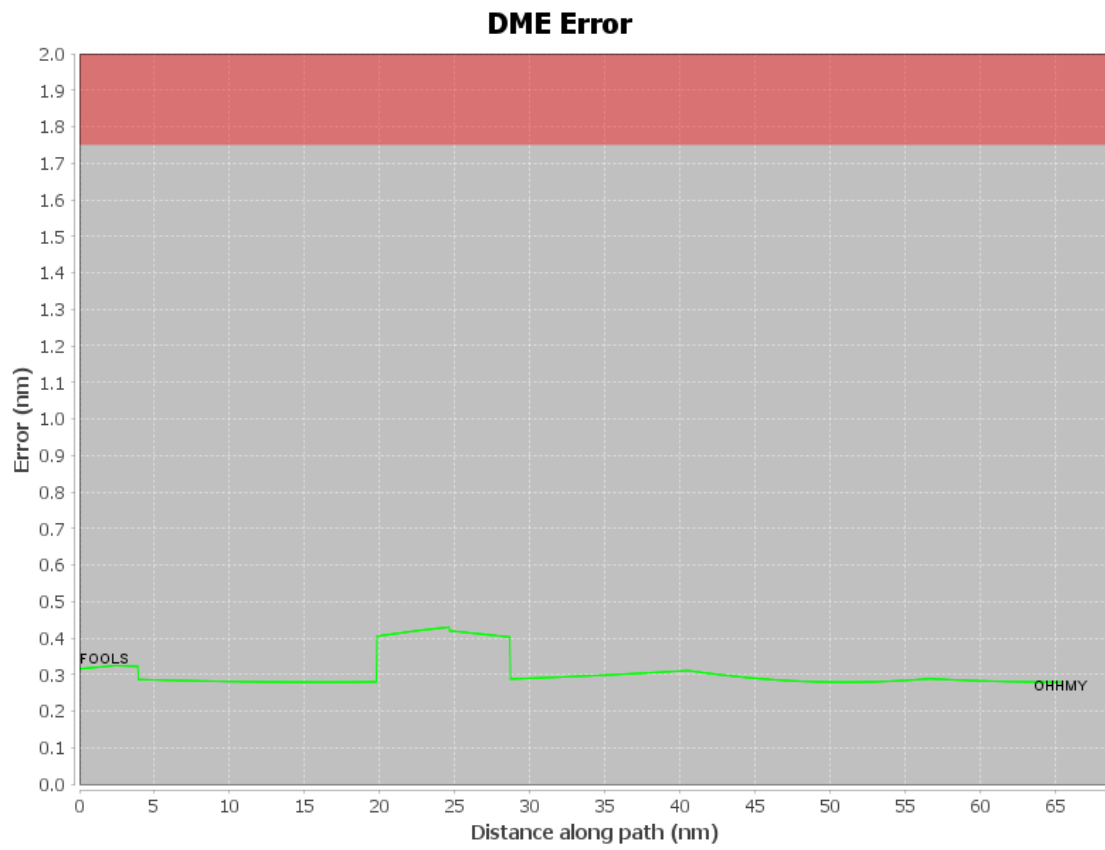
DME DME Assessment Results for TOTZ1 path FOOLS_OHHMY

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FOOLS	OHHMY	MCW, FNX, LNR, RST, ALO, UKN, MSP	

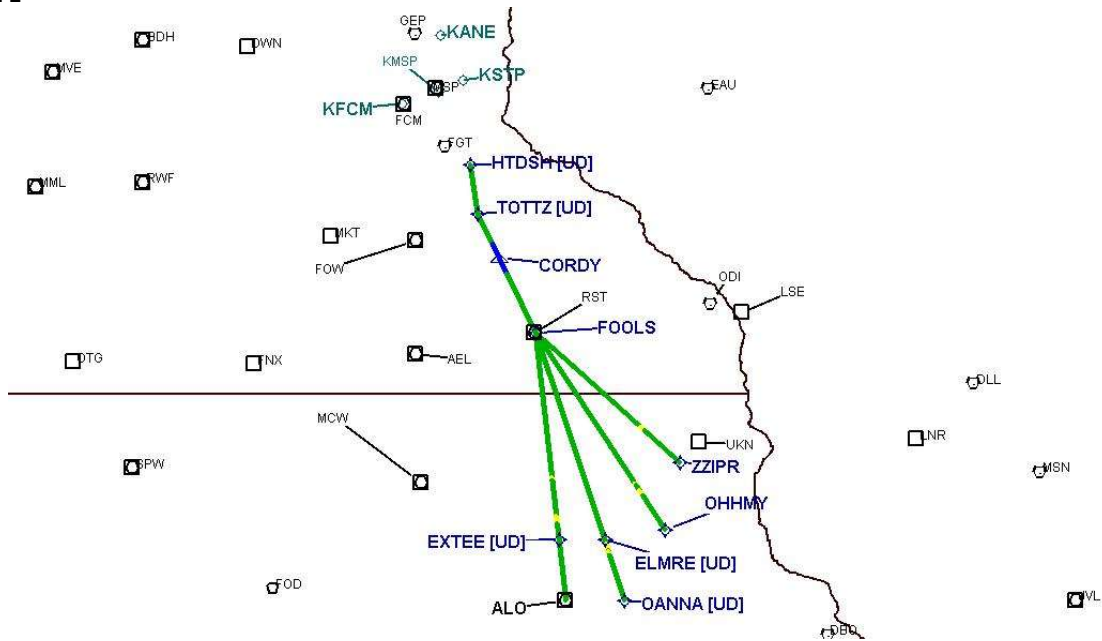
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV MCW [IFPA] MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	1208.6	114.9	ESV MCW [IFPA]	
ESV:		Bearing [True]: 38.0° to 88.0° Bearing [Mag]: 32.0° to 82.0°				Arc Distance: Out to 67.0 NM Altitude: 8000.0 to 15800.0 ft		
2	AEL AEL	N43° 40' 54.2460", W093° 22' 14.7184"	1.0 E	25	1251.8	109.8	AEL	
ESV:		Bearing [True]: 12.0° to 38.0° Bearing [Mag]: 11.0° to 37.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 13300.0 ft		
3	FOW FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	1099.1	111.2	FOW	
ESV:		Bearing [True]: 4.0° to 57.0° Bearing [Mag]: 2.0° to 55.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 12200.0 ft		

DME DME Assessment Results for TOTZ1 path FOOLS_OHHMY



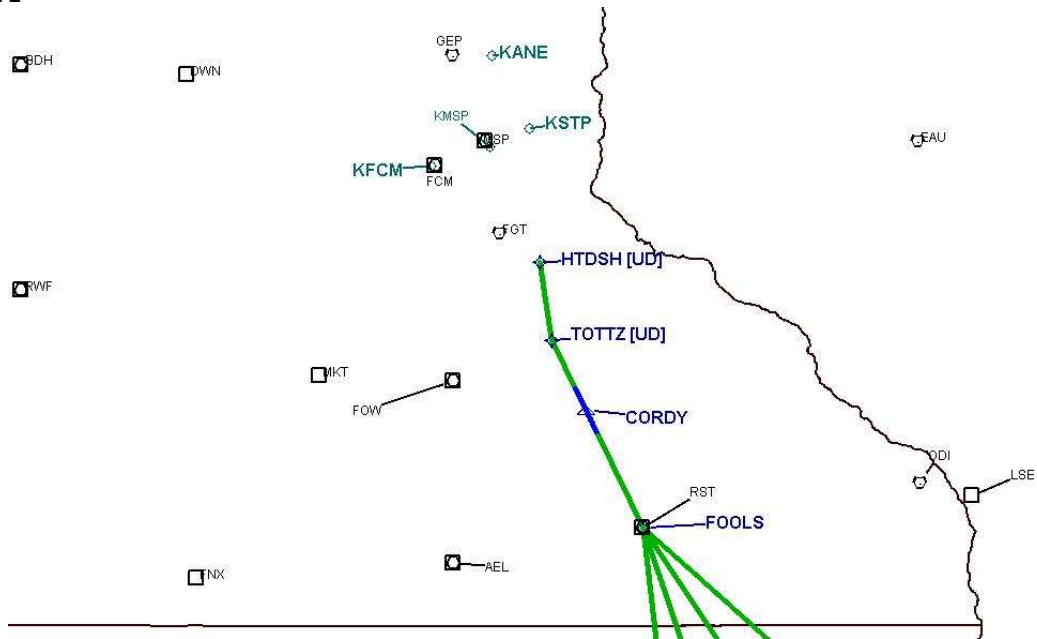
DME DME Assessment Results for TOTZ1 path FOOLS_OHHMY

Graphic Depiction 1



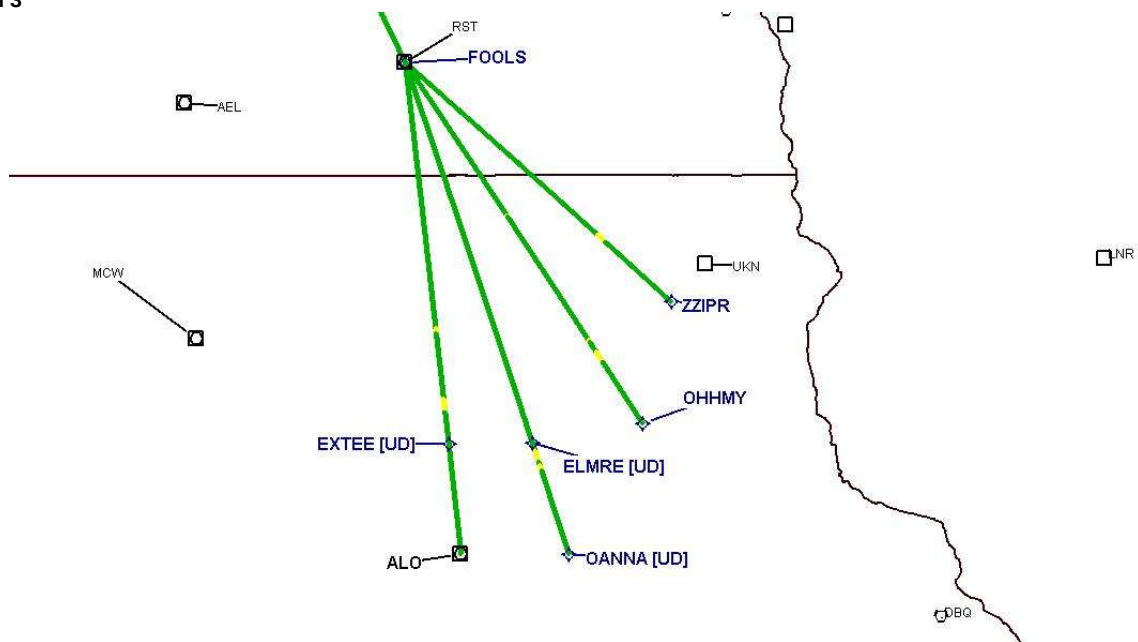
DME DME Assessment Results for TOTZ1 path FOOLS_OHMY

Graphic Depiction 2



DME DME Assessment Results for TOTZ1 path FOOLS_OHHMY

Graphic Depiction 3



DME DME Assessment Results for TOTTTZ1 path FOOLS_ZZIPR

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\KMSP 260319\SIDS\KMSP TOTTTZ ONE SID 260319\KMSP TOTTTZ ONE SID DME DME 260325lu.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 260319\SIDS\KMSP TOTTTZ ONE SID 260319\KMSP [IFPA] TOTTTZ1 20260325_1101 EDT\FOOLS_ZZIPR\KMSP TOTTTZ1 SID FOOLS ZZIPR 20260325_1101 EDT.pdf
Procedure Name:	TOTTTZ1
Software: DmeDmePlugin:	7.6.0
Date/Time:	03/25/2026 11:01 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
FOOLS	WP	N43° 46' 58.2000", W092° 35' 44.9300"	8000	VNAV	200	FLY_BY	TF
ZZIPR	WP	N43° 11' 09.0000", W091° 39' 33.0000"	12000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KMSP [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 TOTZ1 path FOOLS_ZZIPR

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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	H		NO	Enabled	71.4 %	71.2 %
2	FNX	N43° 38' 15.9267", W094° 24' 47.5134"	0.0 E	130	DH		NO	Enabled	70.1 %	69.9 %
3	LNR	N43° 17' 39.8500", W090° 07' 59.3257"	0.0 E	130	DH		NO	Enabled	71.7 %	71.8 %
4	RST	N43° 46' 58.4501", W092° 35' 49.0560"	5.0 E	130	DH		NO	Enabled	94.5 %	94.5 %
5	ODI	N43° 54' 44.3850", W091° 28' 03.0582"	1.0 E	130	H		NO	Enabled	2.8 %	2.8 %
6	UKN	N43° 16' 48.3077", W091° 32' 14.5026"	0.0 E	40	L		NO	Enabled	52.6 %	52.7 %
7	MSP	N44° 53' 47.3958", W093° 14' 11.5137"	2.0 E	130	DH		NO	Enabled	85.5 %	85.2 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FNX	MSP				
0.6	FNX	MSP	MCW			
3.0	MCW	RST	MSP	FNX		
15.3	MCW	RST	MSP	FNX	LNR	
36.5	MCW	RST	MSP	LNR		
39.3	ODI	RST	UKN	LNR	FNX	MSP
40.9	LNR	MSP	RST	UKN		
46.4	LNR	RST				
49.3	RST	UKN	LNR			

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

DME DME Assessment Results for TOTZ1 path FOOLS_ZZIPR

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
FOOLS	ZZIPR	MCW, FNX, LNR, RST, ODI, UKN, MSP	

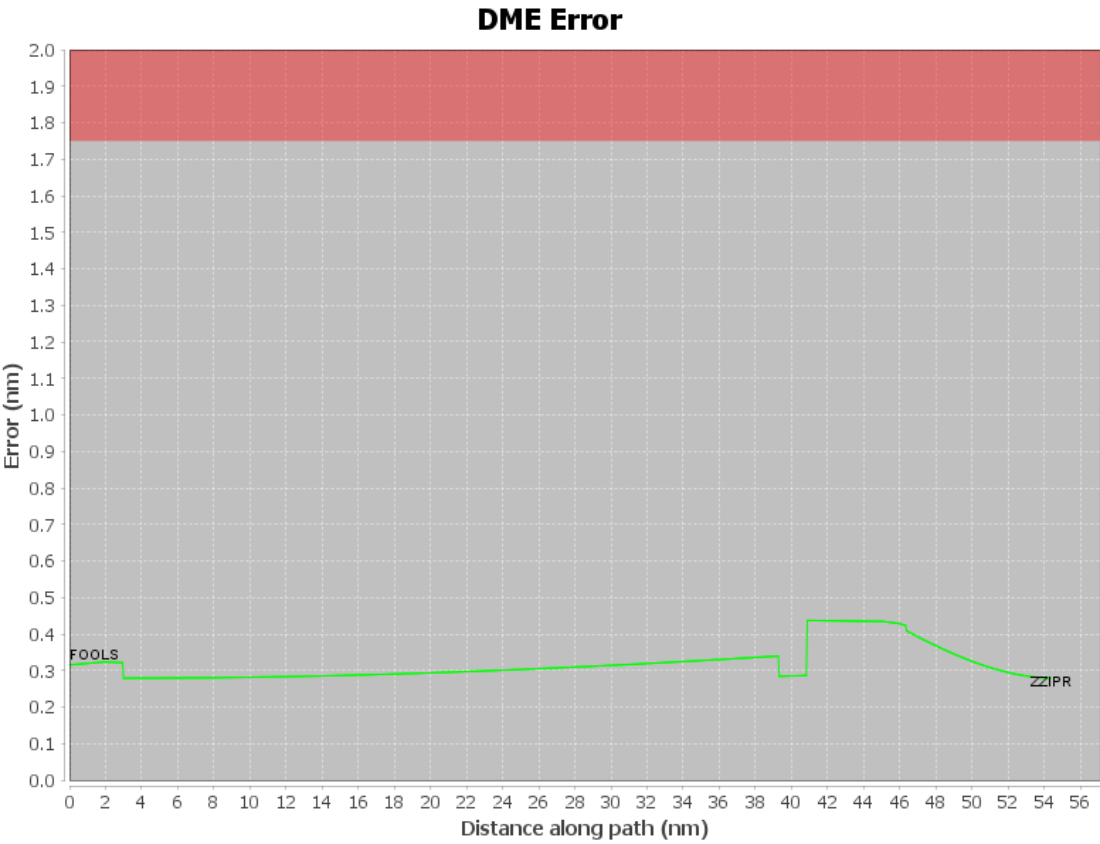
User Data Files

#	File Name
1	New Analysis.udt

User DMEs

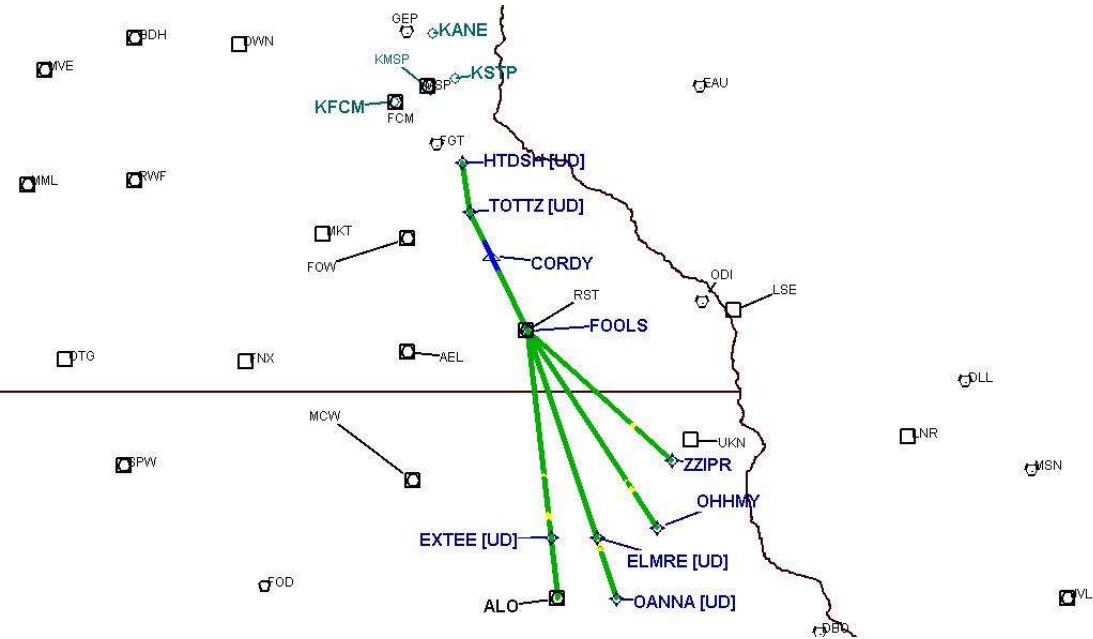
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV MCW [IFPA] MCW	N43° 05' 41.1255", W093° 19' 47.5405"	6.0 E	130	1208.6	114.9	ESV MCW [IFPA]	
	ESV:	Bearing [True]: 38.0° to 88.0° Bearing [Mag]: 32.0° to 82.0°				Arc Distance: Out to 67.0 NM Altitude: 8000.0 to 15800.0 ft		
2	AEL AEL	N43° 40' 54.2460", W093° 22' 14.7184"	1.0 E	25	1251.8	109.8	AEL	
	ESV:	Bearing [True]: 12.0° to 38.0° Bearing [Mag]: 11.0° to 37.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 13300.0 ft		
3	FOW FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	1099.1	111.2	FOW	
	ESV:	Bearing [True]: 4.0° to 57.0° Bearing [Mag]: 2.0° to 55.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 12200.0 ft		

DME DME Assessment Results for TOTZ1 path FOOLS_ZZIPR



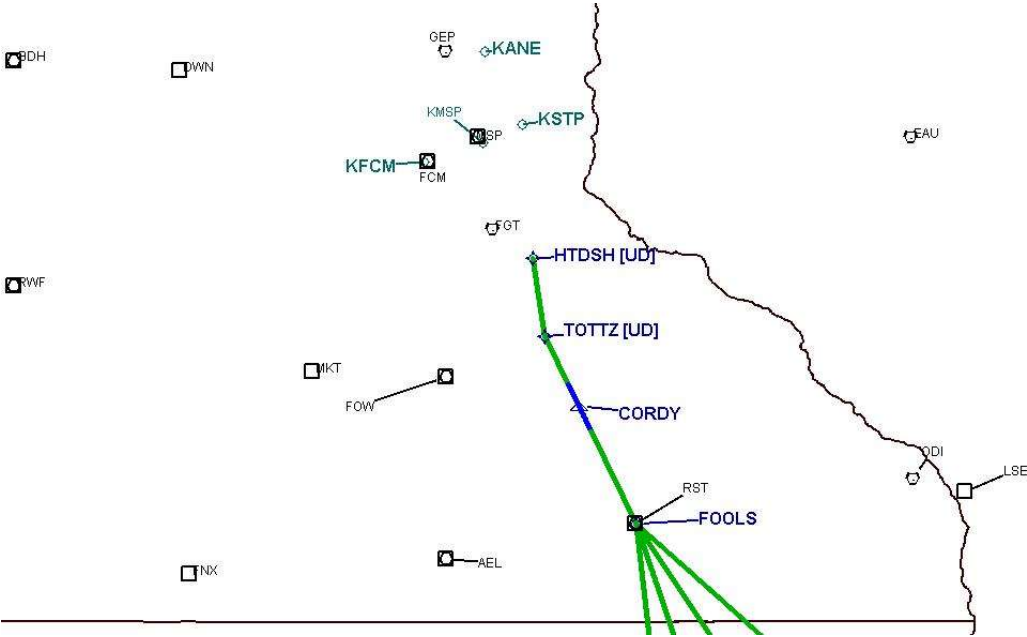
DME DME Assessment Results for TOTTZ1 path FOOLS_ZZIPR

Graphic Depiction 1



DME DME Assessment Results for TOTTZ1 path FOOLS_ZZIPR

Graphic Depiction 2



DME DME Assessment Results for TOTTZ1 path FOOLS_ZZIPR

Graphic Depiction 3

