

DME DME Assessment Results for PANGG7 path ASHEN_TACTT

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250403_1504 EDT\ASHEN_TACTT\KMDW PANGG7 RNAV STAR ASHEN TACTT 20250403_1504 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/03/2025 15:04 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
ASHEN	WP	N41° 28' 49.7700", W084° 38' 48.3000"	6000	VNAV	200	FLY_BY	TF
FNLYY	WP	N41° 30' 44.3612", W085° 30' 10.3246"	6000	VNAV	200	FLY_BY	TF
BAGEL	WP	N41° 30' 57.5100", W085° 36' 49.2800"	6000	VNAV	200	FLY_BY	TF
PANGG	WP	N41° 31' 30.0300", W086° 04' 20.3900"	6000	VNAV	200	FLY_BY	TF
MEGGZ	WP	N41° 31' 24.2800", W086° 23' 44.6500"	6000	VNAV	200	FLY_BY	TF
AWSUM	WP	N41° 31' 19.7400", W086° 34' 23.3500"	6000	VNAV	200	FLY_BY	TF
IROCK	WP	N41° 31' 08.7300", W086° 54' 18.7100"	6000	VNAV	200	FLY_BY	TF
HALIE	WP	N41° 30' 57.8500", W087° 09' 31.9500"	6000	VNAV	200	FLY_BY	TF
GERMN	WP	N41° 42' 06.6000", W087° 15' 06.5800"	4000	VNAV	200	FLY_BY	TF
LNANE	WP	N41° 45' 18.3800", W087° 16' 42.9200"	3000	VNAV	200	FLY_BY	TF
BOCAH	WP	N41° 51' 00.7800", W087° 20' 15.4900"	3000	VNAV	200	FLY_BY	TF
TACTT	WP	N41° 51' 00.8200", W087° 26' 16.7700"	3000	VNAV	200	FLY_BY	TF

DME DME Assessment Results for PANGG7 path ASHEN_TACTT

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KMDW
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	
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 Assessment Results for PANGG7 path ASHEN_TACTT

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	L		NO	Enabled	0.7 %	0.7 %
2	JXN	N42° 15' 33.2631", W084° 27' 30.7776"	0.0 E	130	DH		NO	Enabled	37.3 %	37.3 %
3	FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	H		NO	Enabled	33.5 %	33.4 %
4	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	87.7 %	87.7 %
5	CGT	N41° 30' 36.0237", W087° 34' 17.5660"	2.0 E	40	L		NO	Enabled	28.5 %	28.5 %
6	GCO	N41° 59' 38.7200", W087° 54' 08.3800"	0.0 E	40	L		NO	Enabled	13.4 %	13.5 %
7	EON	N41° 16' 10.6765", W087° 47' 27.7925"	2.0 E	40	L		NO	Enabled	18.9 %	19 %
8	AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	L		NO	Enabled	7.4 %	7.4 %
9	GIJ	N41° 46' 07.0005", W086° 19' 06.4268"	0.0 E	130	H		NO	Enabled	50.7 %	50.7 %
10	OBK	N42° 13' 16.9555", W087° 57' 06.0134"	2.0 W	130	DH		NO	Enabled	40 %	40 %
11	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	12.7 %	12.7 %
12	GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	H		NO	Enabled	35.3 %	35.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	AZO	CRL	FWA	JXN		
10.3	CRL	JXN	FWA			
11.1	OXI	JXN	FWA	CRL		
17.8	OXI	FWA	JXN			
22.4	FWA	GSH	OXI	JXN		
23.5	OXI	FWA	JXN			
32.5	OXI	FWA	GSH	JXN		
40.1	OXI	FWA	JXN	GIJ	GSH	
41.8	GIJ	JXN	GSH	OXI		
41.9	ELX	JXN	OXI	GIJ	GSH	
42.4	FWA	JXN	OXI	GIJ	GSH	
47.4	GIJ	JXN	OXI			
52.1	OXI	GIJ				
65.4	ELX	GSH	OXI	GIJ		
65.9	OXI	GIJ				
69.3	OXI	GIJ	GSH			
77.2	GIJ	GSH				
81.5	GIJ	GSH	OXI			
83.6	OXI	OBK	GIJ	GSH		
92.0	CGT	OXI	GSH	GIJ	OBK	
102.3	OXI	GIJ	OBK	CGT		
106.4	GIJ	OBK	EON	OXI	CGT	
110.8	OBK	EON	OXI	CGT		
118.5	OBK	EON	OXI			
120.7	OBK	EON	OXI	GCO		
126.2	OXI	EON	OBK	CGT	GCO	
127.3	CGT	OBK	OXI	GCO		
130.8	CGT	OBK	EON	OXI	GCO	
134.3	CGT	GCO	OBK	OXI		
135.6	CGT	GCO	EON	OBK	OXI	
137.8	CGT	GCO	OBK			

DME DME Assessment Results for PANGG7 path ASHEN_TACTT

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
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Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
ASHEN	FNLYY	JXN, FWA, OXI, AZO, CRL, GSH	
FNLYY	BAGEL	ELX, OXI, FWA, JXN, GIJ, GSH	
BAGEL	PANGG	OXI, FWA, JXN, GIJ, GSH	
PANGG	MEGGZ	ELX, OXI, GIJ, GSH	
MEGGZ	AWSUM	OXI, GIJ, OBK, GSH	
AWSUM	IROCK	OXI, CGT, OBK, GIJ, GSH	
IROCK	HALIE	CGT, OXI, EON, OBK, GIJ, GSH	
HALIE	GERMN	CGT, OXI, GCO, EON, OBK	
GERMN	LNANE	OXI, CGT, GCO, EON, OBK	
LNANE	BOCAH	CGT, OXI, GCO, EON, OBK	
BOCAH	TACTT	CGT, OXI, GCO, EON, OBK	

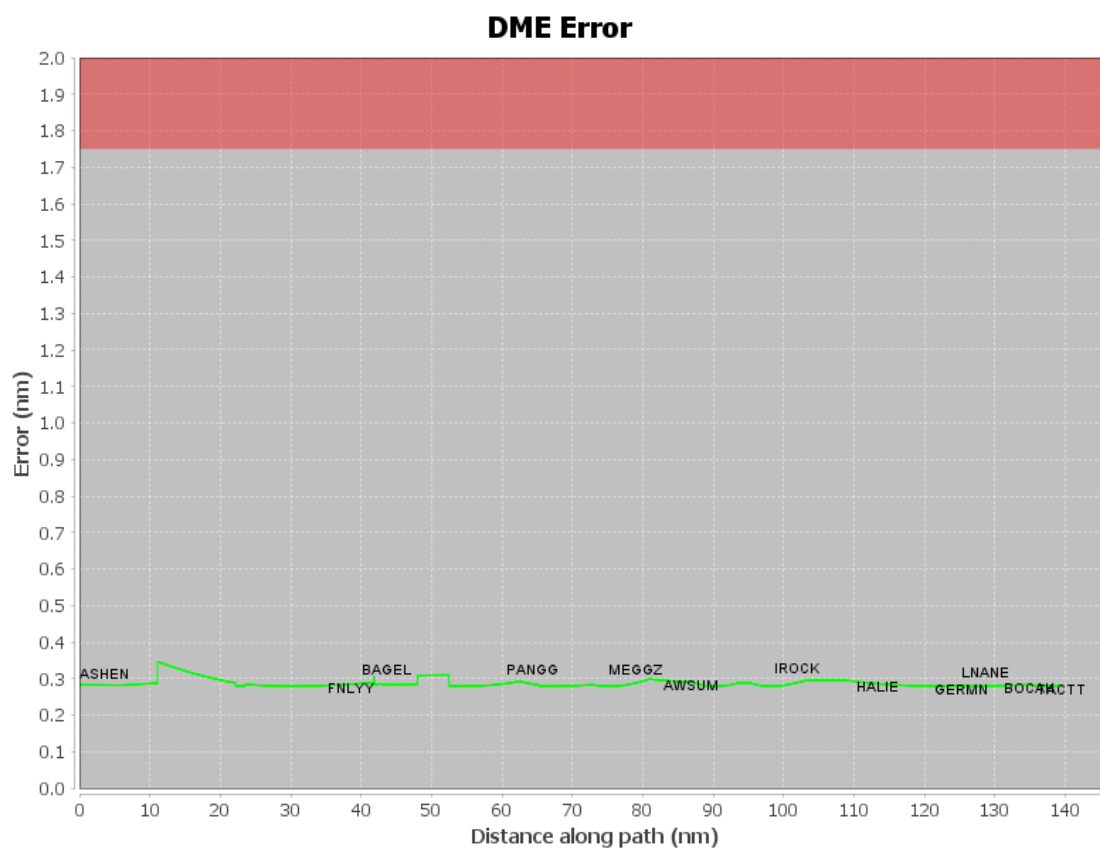
User Data Files

#	File Name
1	New Analysis.udt

User DMEs

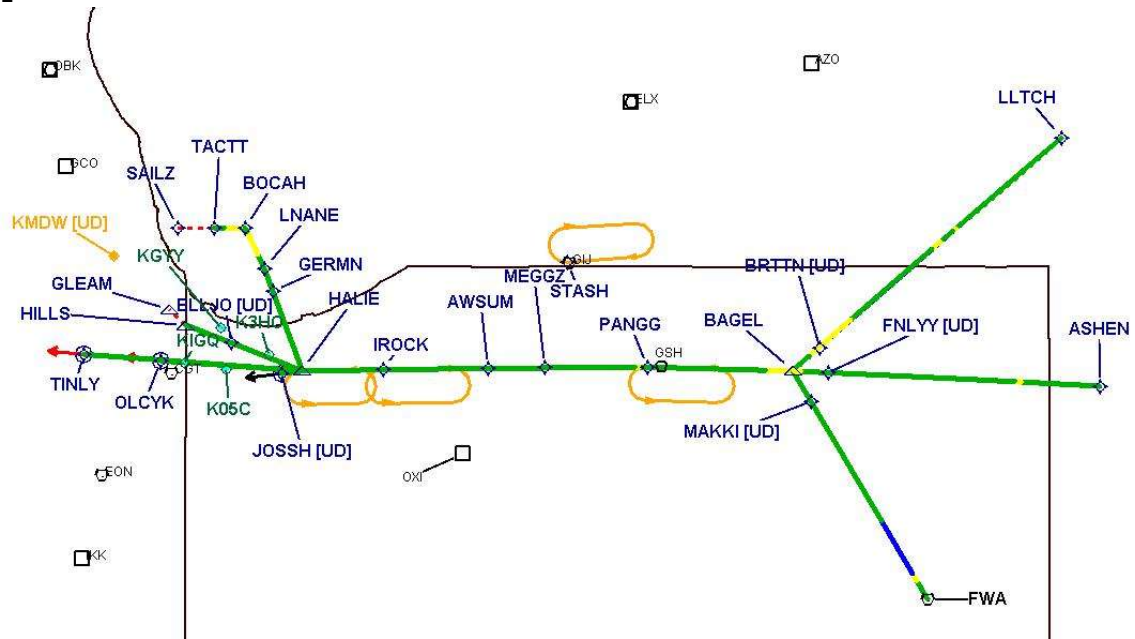
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		

DME DME Assessment Results for PANGG7 path ASHEN_TACTT

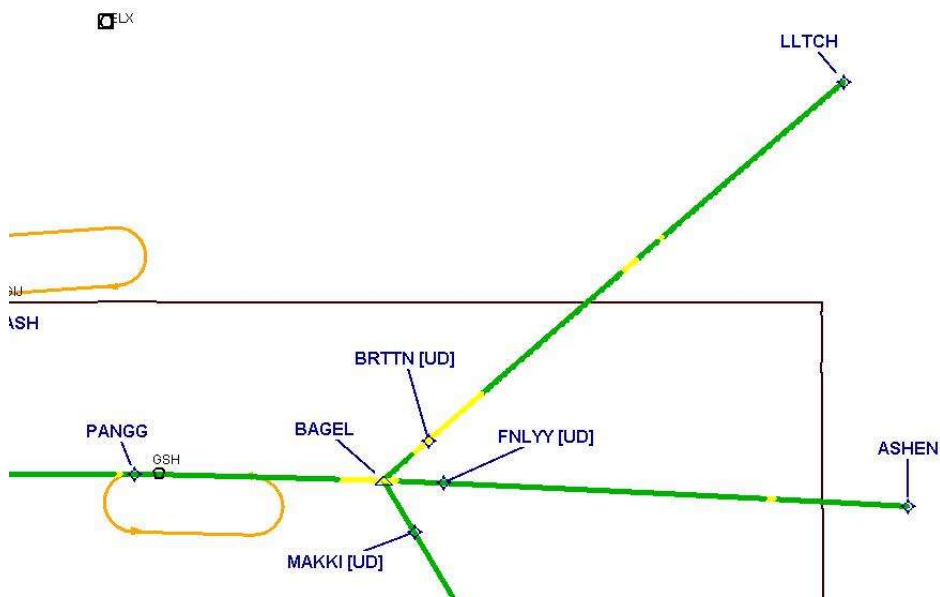


DME DME Assessment Results for PANGG7 path ASHEN_TACTT

Graphic Depiction 1

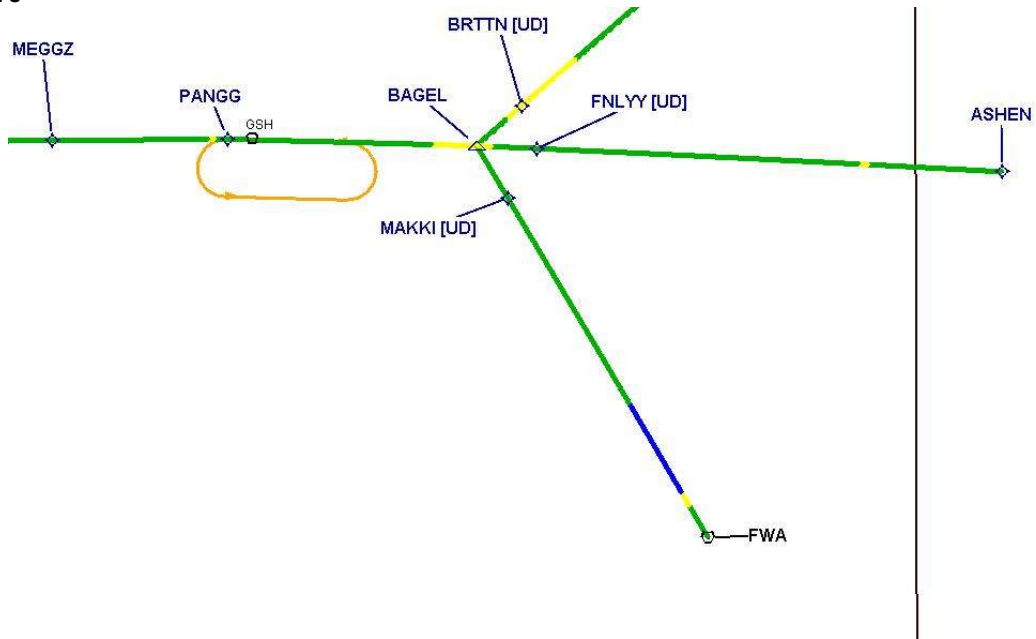


Graphic Depiction 2



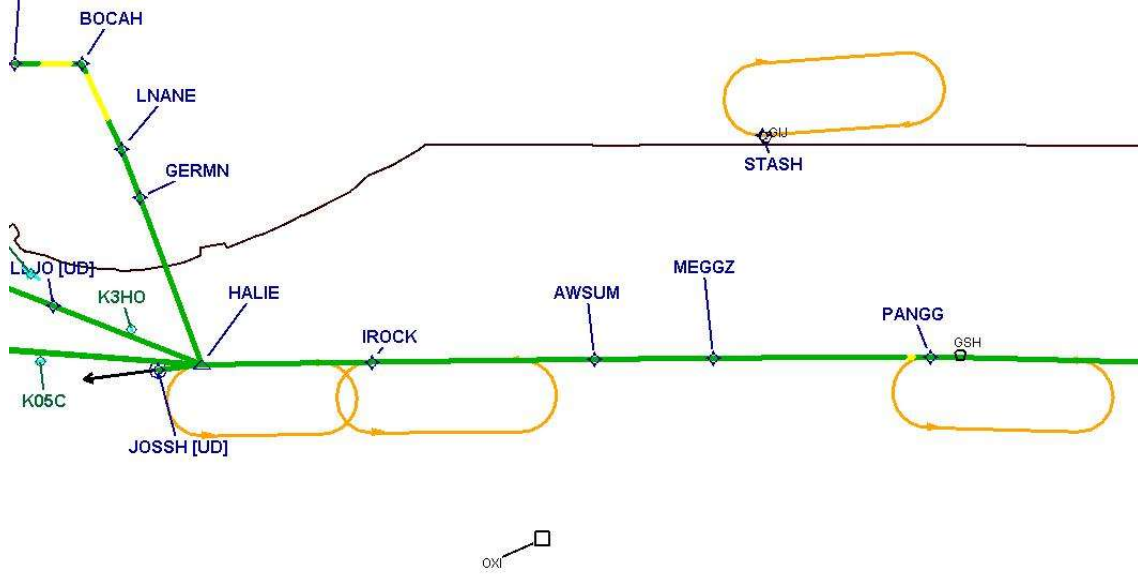
DME DME Assessment Results for PANGG7 path ASHEN_TACTT

Graphic Depiction 3

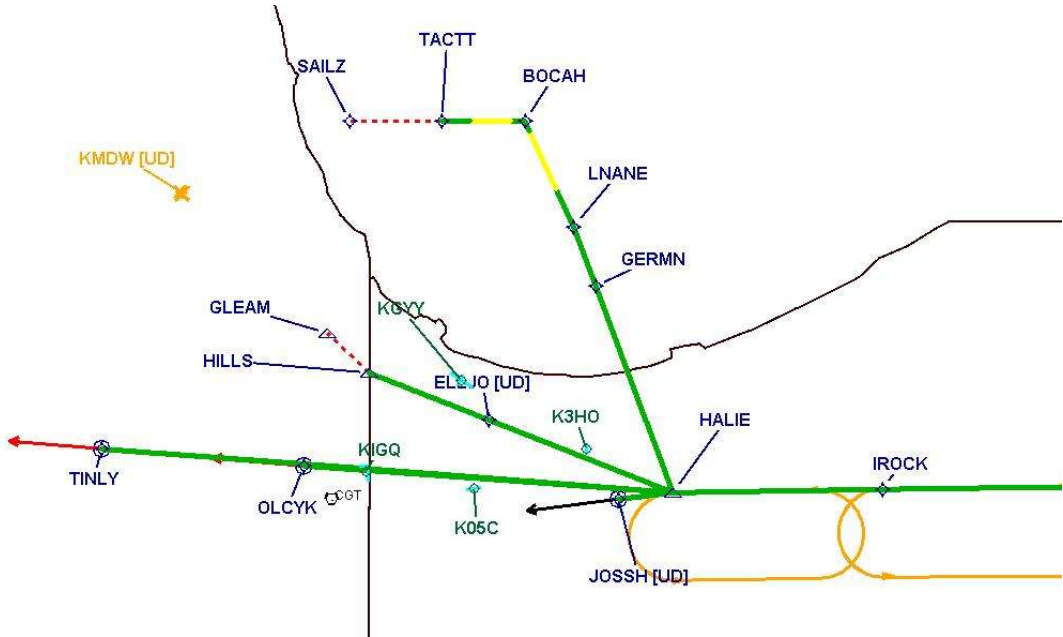


DME DME Assessment Results for PANGG7 path ASHEN_TACTT

Graphic Depiction 4



DME DME Assessment Results for PANGG7 path ASHEN_TACTT



DME DME Assessment Results for PANGG7 path FWA_BAGEL

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250403_1504 EDT\FWA_BAGEL\KMDW PANGG7 RNAV STAR FWA BAGEL 20250403_1504 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/03/2025 15:04 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
FWA	WP	N40° 58' 44.6315", W085° 11' 17.0092"	9000	VNAV	200	FLY_BY	TF
MAKKI	WP	N41° 26' 40.2660", W085° 33' 23.6290"	6000	VNAV	200	FLY_BY	TF
BAGEL	WP	N41° 30' 57.5100", W085° 36' 49.2800"	6000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMDW
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 PANGG7 path FWA_BAGEL

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	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	77.2 %	77.2 %
2	JXN	N42° 15' 33.2631", W084° 27' 30.7776"	0.0 E	130	DH		NO	Enabled	58.1 %	58.1 %
3	FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	H		NO	Enabled	69.1 %	69.1 %
4	GIJ	N41° 46' 07.0005", W086° 19' 06.4268"	0.0 E	130	H		NO	Enabled	8.6 %	8.6 %
5	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	9.6 %	9.6 %
6	MZZ	N40° 29' 35.9904", W085° 40' 45.3000"	3.0 W	40	L		NO	Enabled	3.3 %	3.3 %
7	GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	H		NO	Enabled	54.9 %	54.9 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OXI	JXN	SHB	GSH		
3.0	GSH	MZZ	OXI	JXN	SHB	
3.1	MZZ	OXI	JXN	FWA	SHB	
3.7	MZZ	OXI	JXN	FWA		
4.3						
12.8	OXI	FWA				
19.9	JXN	GSH	FWA	OXI		
34.3	FWA	JXN	GIJ	OXI	GSH	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 02' 25.0578", W085° 14' 10.2567"	N41° 09' 42.8255", W085° 19' 55.4564"	8.4906

DME DME Assessment Results for PANGG7 path FWA_BAGEL

Available DMEs by Waypoints

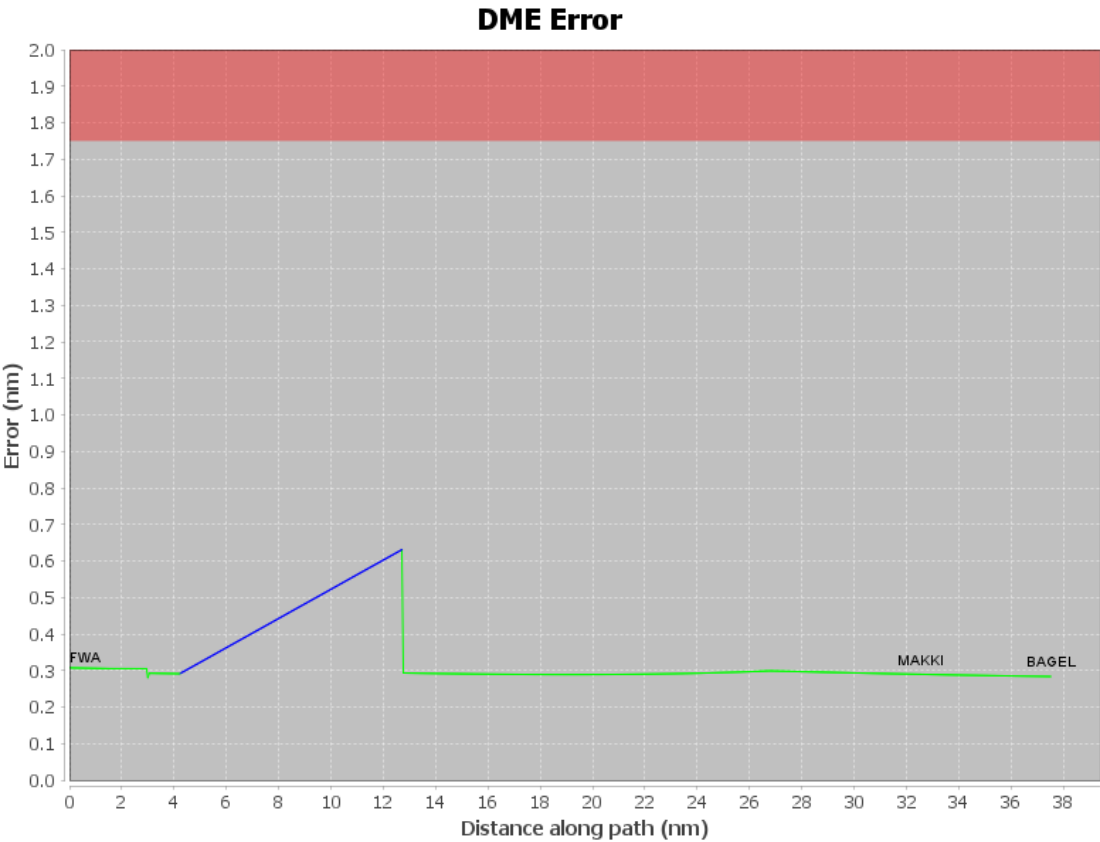
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FWA	MAKKI	OXI, JXN, FWA, SHB, MZZ, GSH	
MAKKI	BAGEL	OXI, FWA, JXN, GIJ, GSH	

User Data Files

#	File Name
1	New Analysis.udt

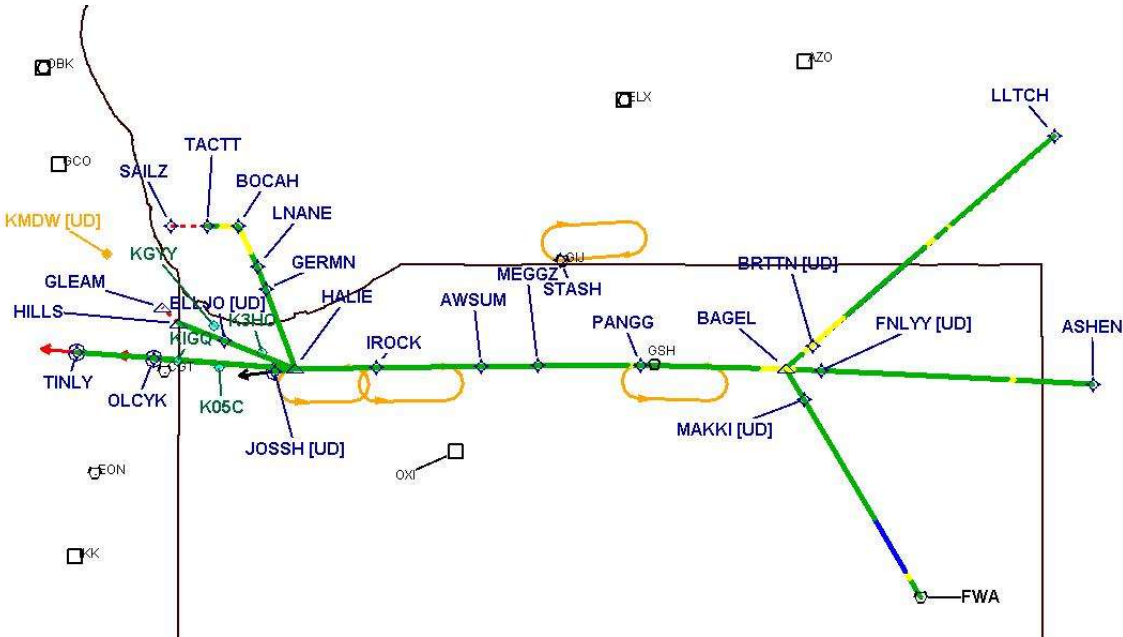
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		

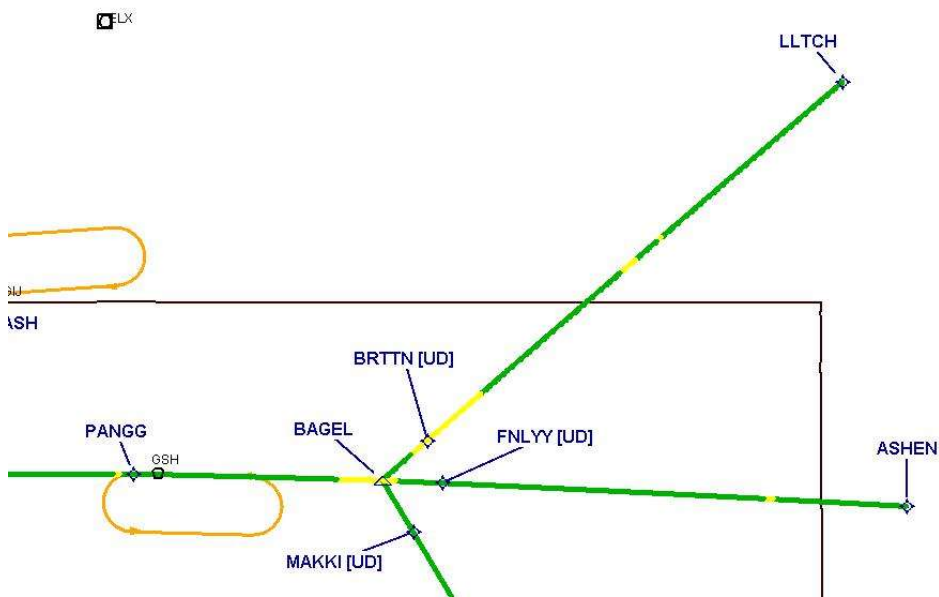


DME DME Assessment Results for PANGG7 path FWA_BAGEL

Graphic Depiction 1

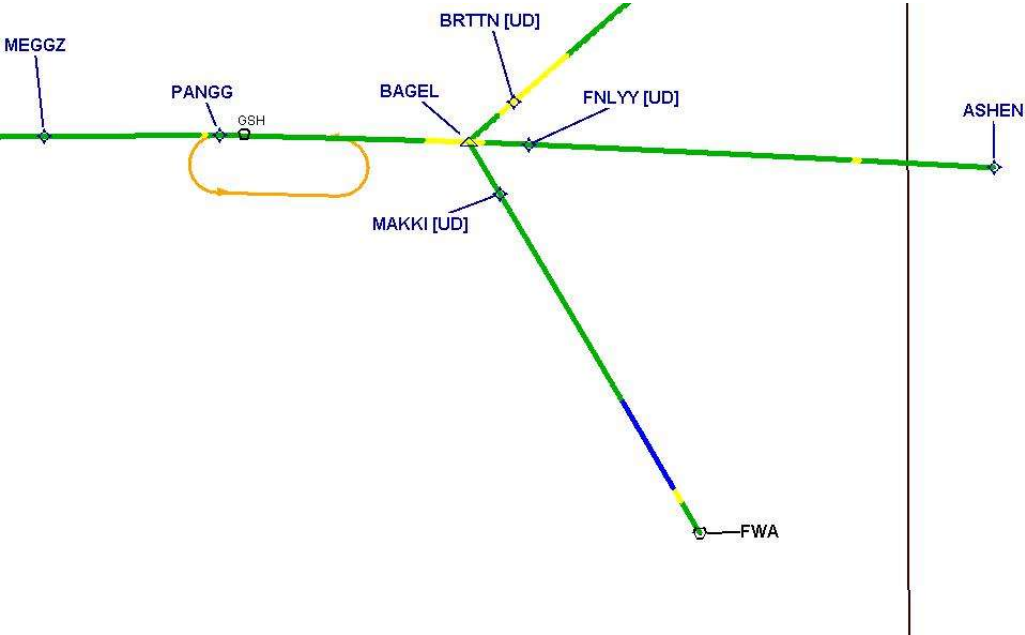


Graphic Depiction 2



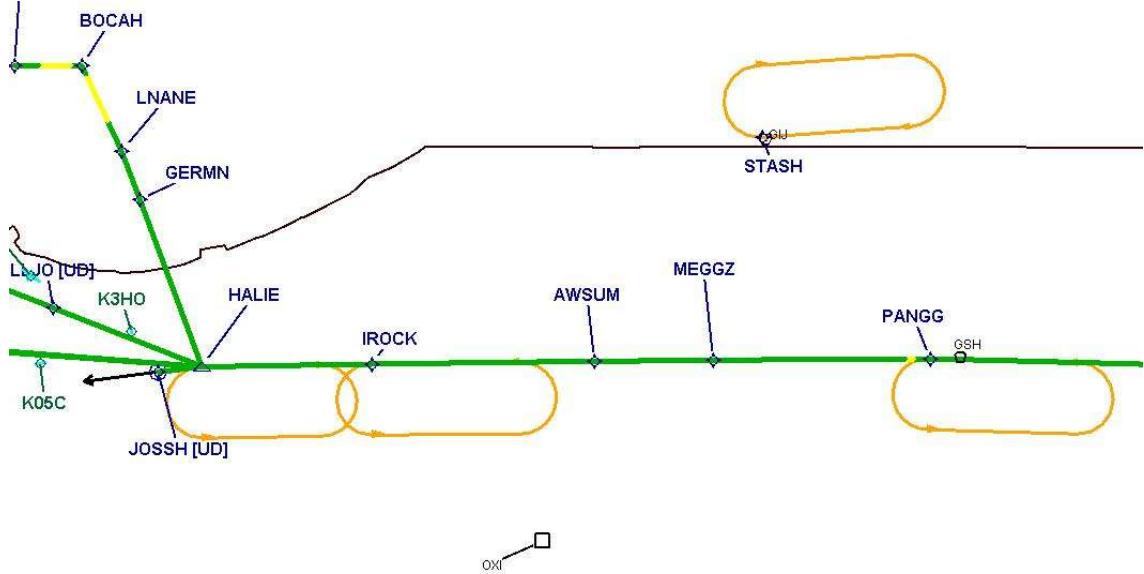
DME DME Assessment Results for PANGG7 path FWA_BAGEL

Graphic Depiction 3



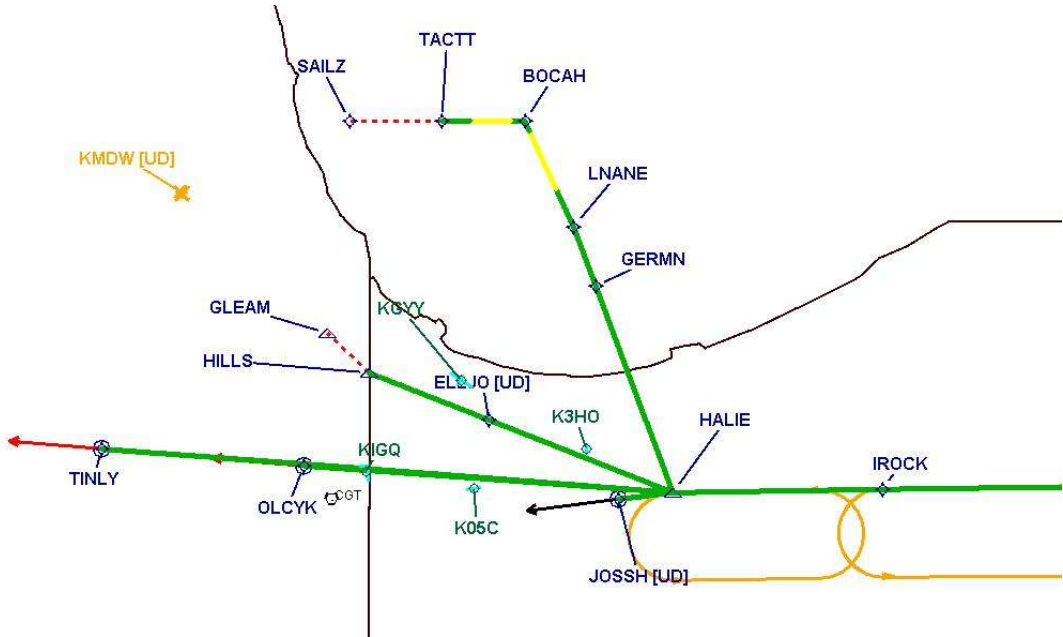
DME DME Assessment Results for PANGG7 path FWA_BAGEL

Graphic Depiction 4



DME DME Assessment Results for PANGG7 path FWA_BAGEL

Graphic Depiction 5



DME DME Assessment Results for PANGG7 path HALIE_HILLS

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250403_1504 EDT\HALIE_HILLS\KMDW PANGG7 RNAV STAR HALIE HILLS 20250403_1504 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/03/2025 15:04 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
HALIE	WP	N41° 30' 57.8500", W087° 09' 31.9500"	6000	VNAV	200	FLY_BY	TF
ELLJO	WP	N41° 34' 53.0300", W087° 22' 52.4600"	6000	VNAV	240	FLY_BY	TF
HILLS	WP	N41° 37' 25.4000", W087° 31' 34.1800"	5000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMDW
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 PANGG7 path HALIE_HILLS

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	CGT	N41° 30' 36.0237", W087° 34' 17.5660"	2.0 E	40	L		NO	Enabled	100 %	100 %
2	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	100 %	100 %
3	GCO	N41° 59' 38.7200", W087° 54' 08.3800"	0.0 E	40	L		NO	Enabled	62.9 %	65.7 %
4	EON	N41° 16' 10.6765", W087° 47' 27.7925"	2.0 E	40	L		NO	Enabled	100 %	100 %
5	OBK	N42° 13' 16.9555", W087° 57' 06.0134"	2.0 W	130	DH		NO	Enabled	100 %	100 %
6	JOT	N41° 32' 47.1067", W088° 19' 06.2780"	2.0 E	130	H		NO	Enabled	12.5 %	13.9 %

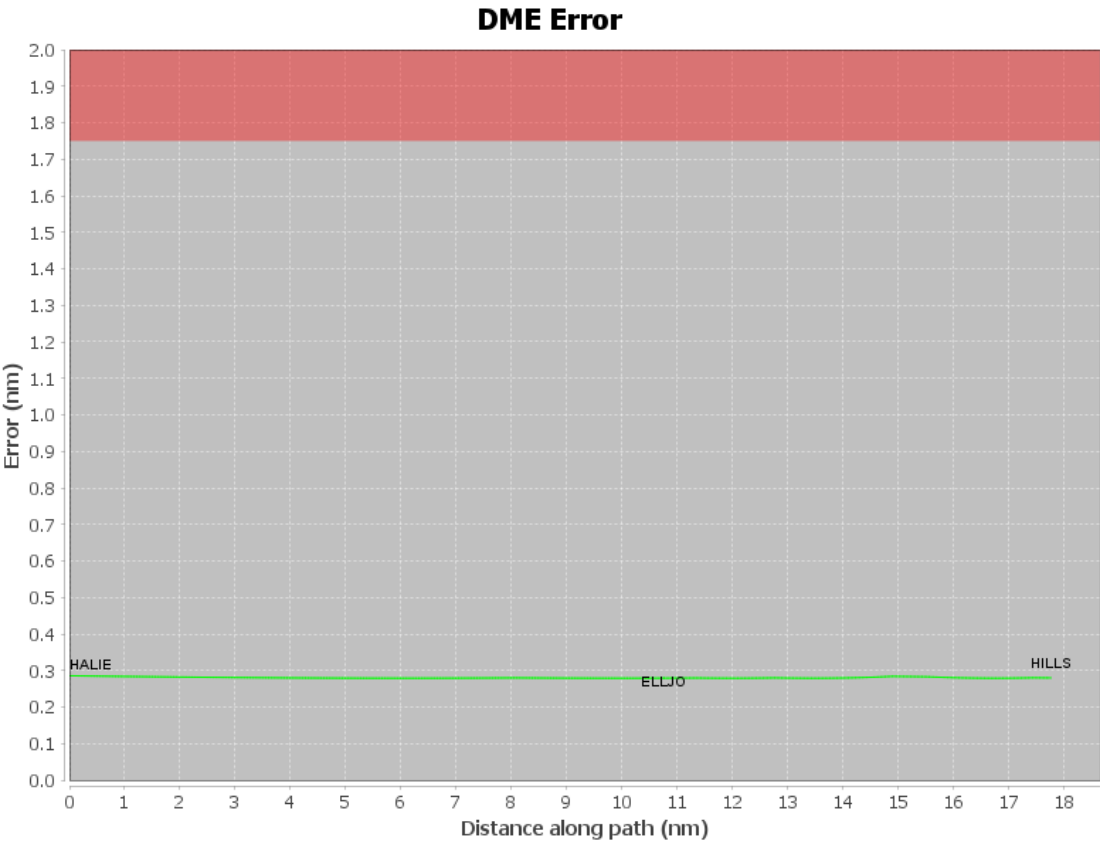
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OBK	EON	OXI	CGT		
6.1	OBK	EON	GCO	CGT	OXI	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HALIE	ELLJO	CGT, OXI, GCO, EON, OBK	
ELLJO	HILLS	CGT, OXI, GCO, EON, OBK, JOT	

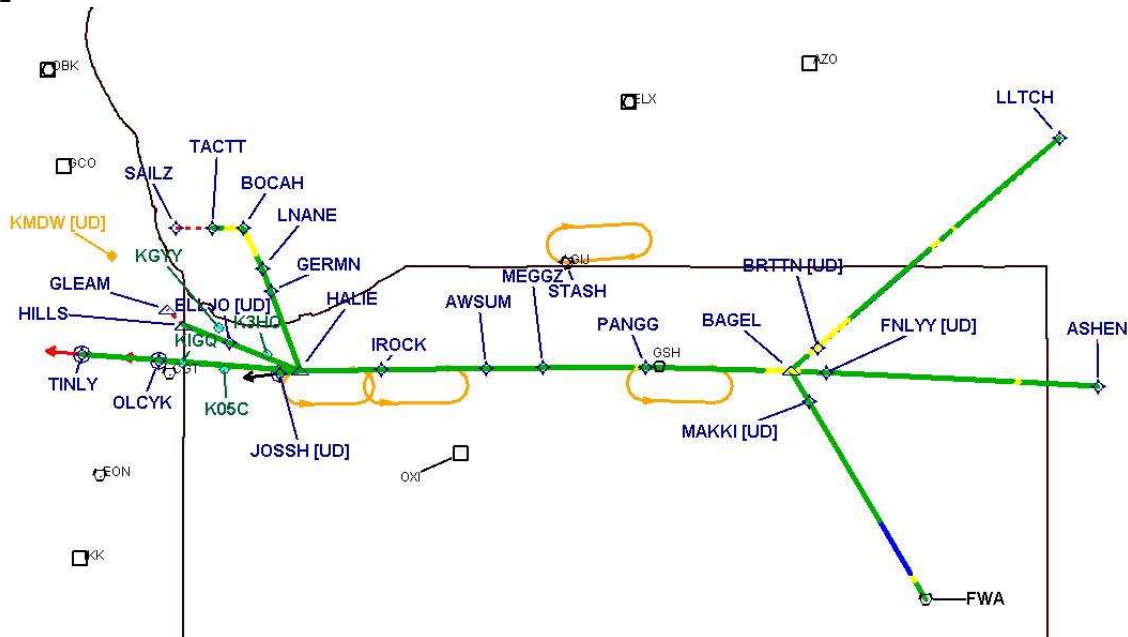
DME DME Assessment Results for PANGG7 path HALIE_HILLS

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		

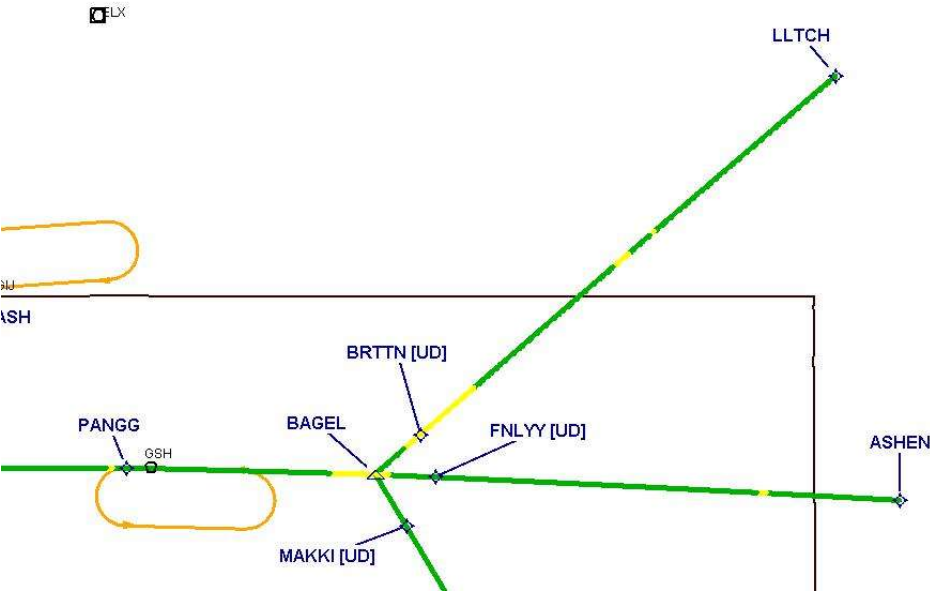


DME DME Assessment Results for PANGG7 path HALIE_HILLS

Graphic Depiction 1

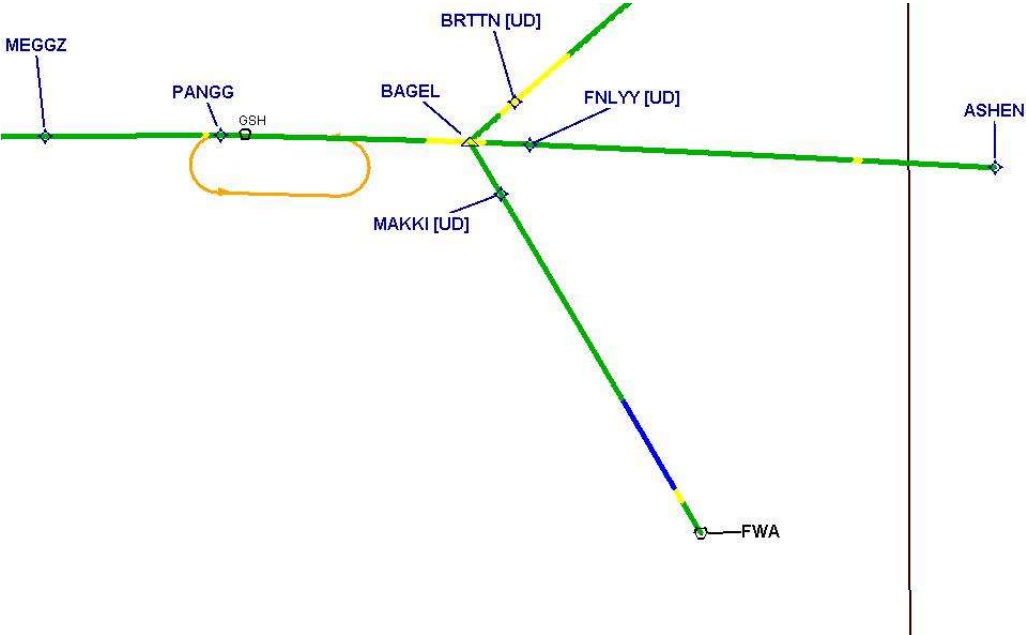


Graphic Depiction 2



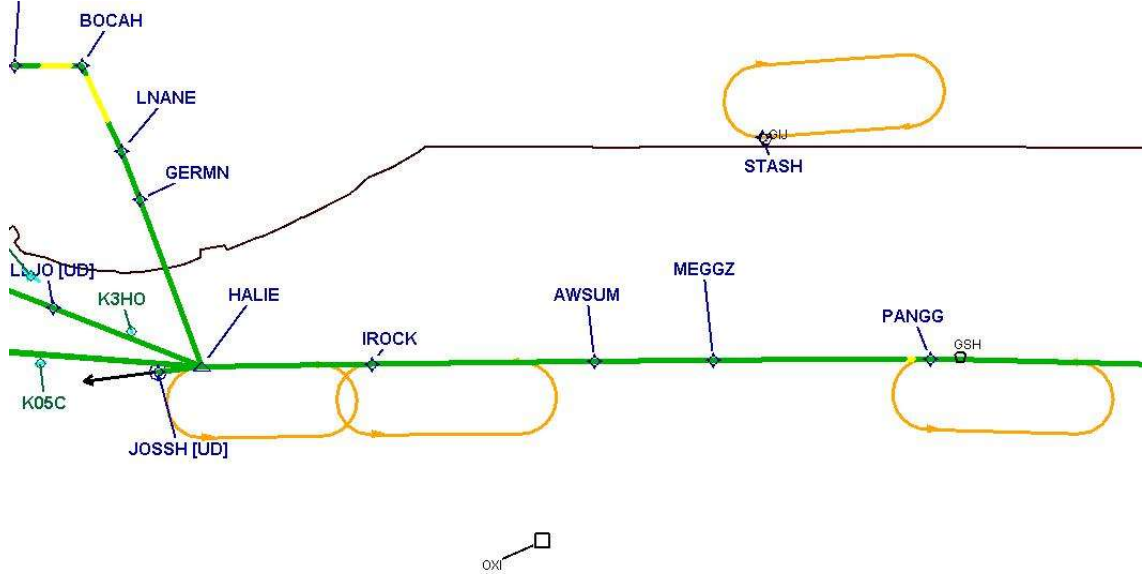
DME DME Assessment Results for PANGG7 path HALIE_HILLS

Graphic Depiction 3



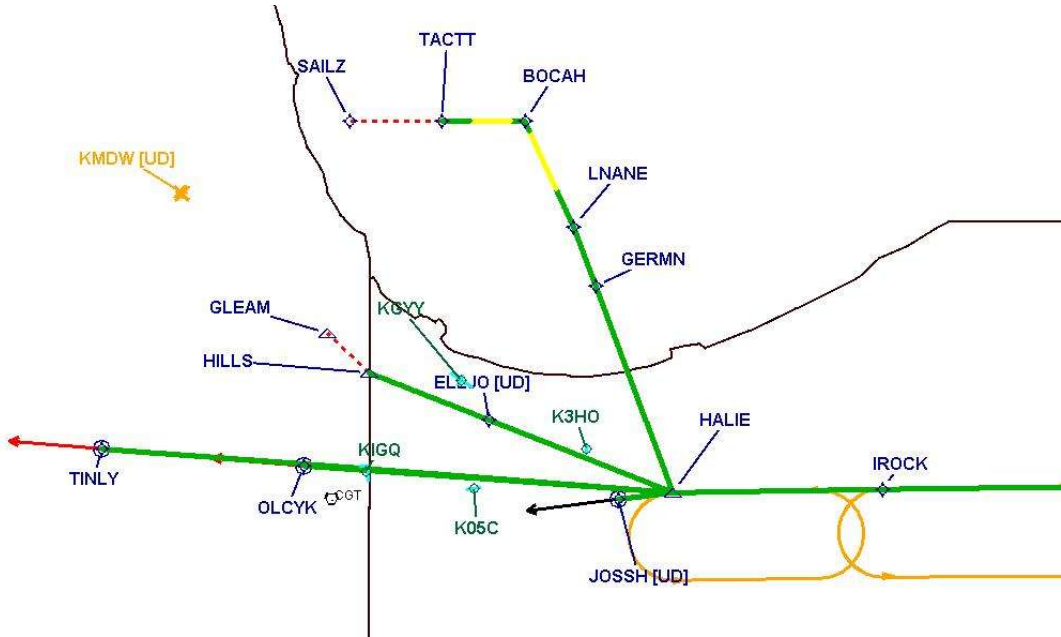
DME DME Assessment Results for PANGG7 path HALIE_HILLS

Graphic Depiction 4



DME DME Assessment Results for PANGG7 path HALIE_HILLS

Graphic Depiction 5



DME DME Assessment Results for PANGG7 path HALIE_JOSSH

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250403_1504 EDT\HALIE_JOSSH\KMDW PANGG7 RNAV STAR HALIE JOSSH 20250403_1504 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/03/2025 15:04 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
HALIE	WP	N41° 30' 57.8500", W087° 09' 31.9500"	6000	VNAV	200	FLY_BY	TF
JOSSH	WP	N41° 30' 35.8341", W087° 13' 29.7520"	6000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KMDW
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 PANGG7 path HALIE_JOSSH

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	CGT	N41° 30' 36.0237", W087° 34' 17.5660"	2.0 E	40	L		NO	Enabled	100 %	100 %
2	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	100 %	100 %
3	EON	N41° 16' 10.6765", W087° 47' 27.7925"	2.0 E	40	L		NO	Enabled	100 %	100 %
4	OBK	N42° 13' 16.9555", W087° 57' 06.0134"	2.0 W	130	DH		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OBK	EON	OXI	CGT		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HALIE	JOSSH	CGT, OXI, EON, OBK	

DME DME Assessment Results for PANGG7 path HALIE_JOSSH

User Data Files

#	File Name
1	New Analysis.udt

User DMEs

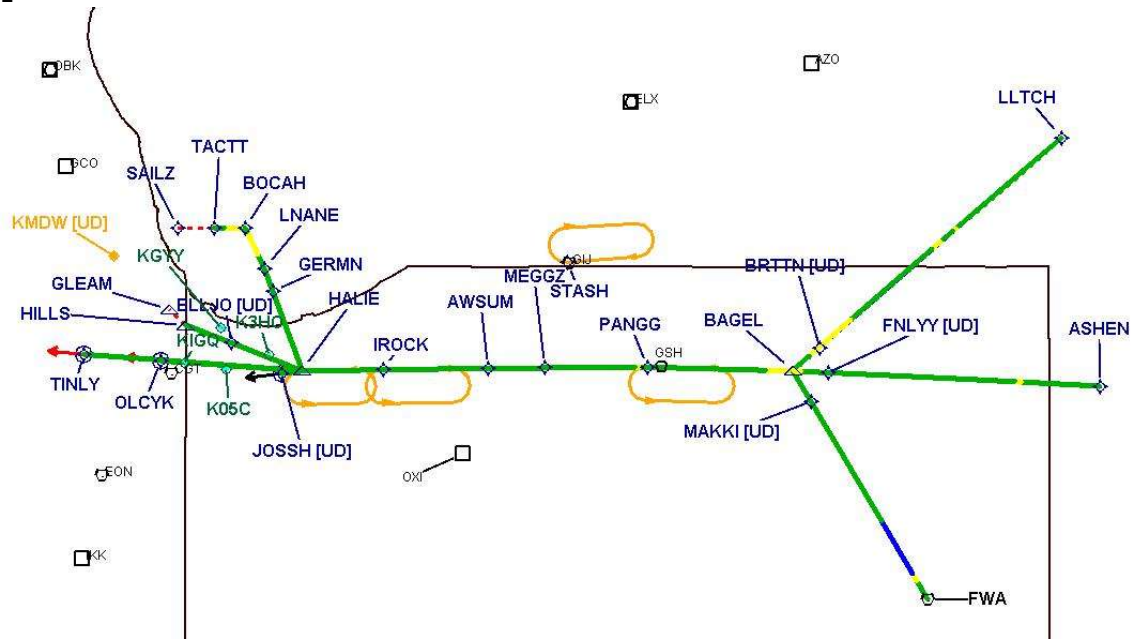
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		

DME DME Assessment Results for PANGG7 path HALIE_JOSSH



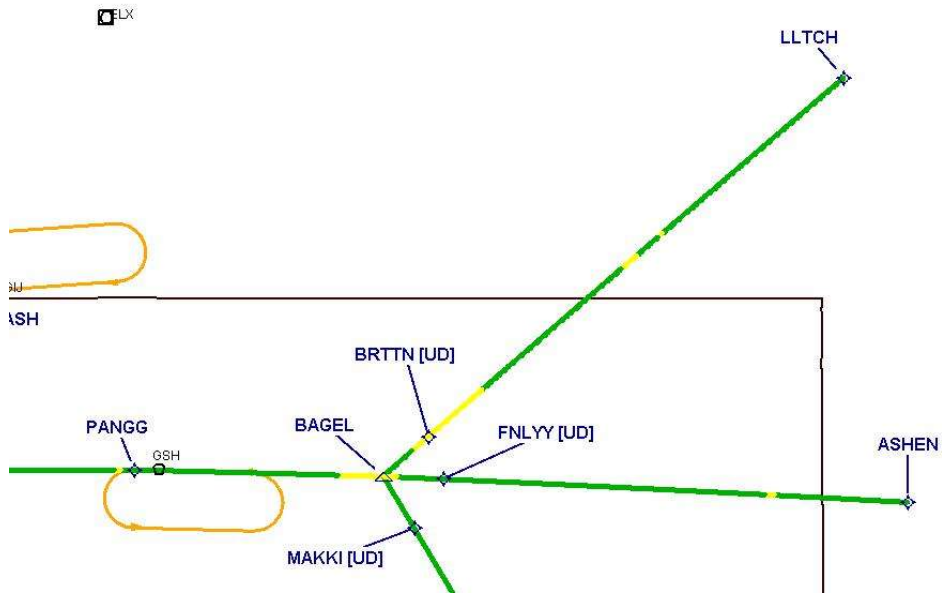
DME DME Assessment Results for PANGG7 path HALIE_JOSSH

Graphic Depiction 1



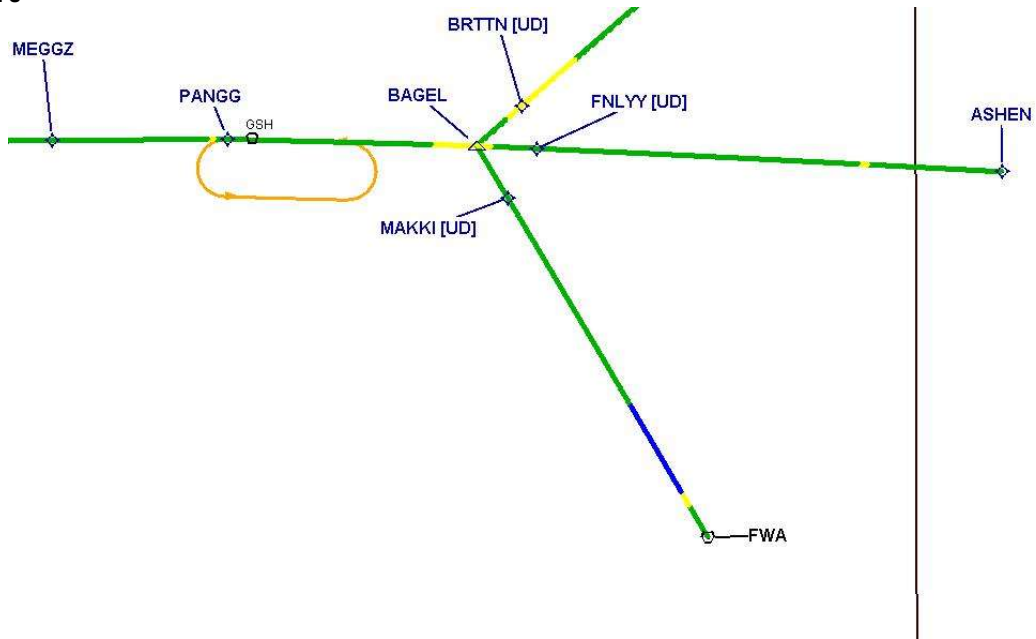
DME DME Assessment Results for PANGG7 path HALIE_JOSSH

Graphic Depiction 2



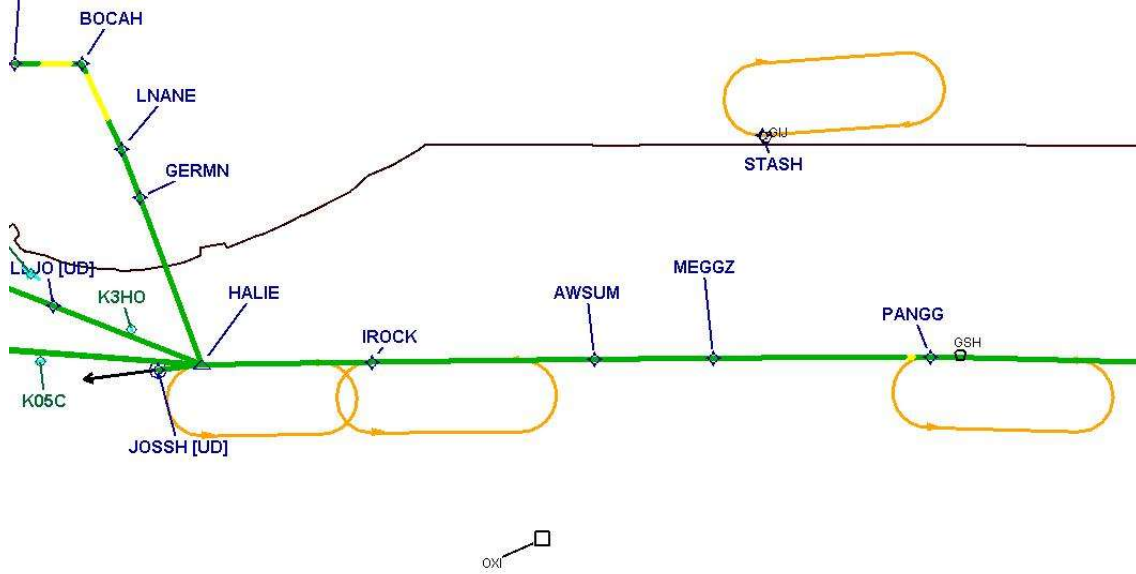
DME DME Assessment Results for PANGG7 path HALIE_JOSSH

Graphic Depiction 3

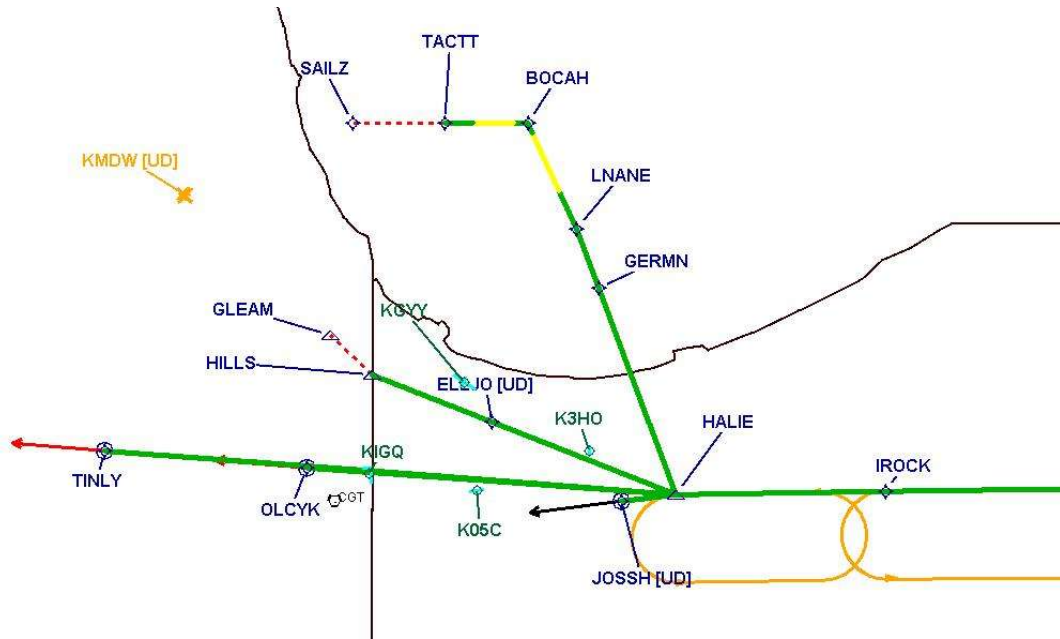


DME DME Assessment Results for PANGG7 path HALIE_JOSSH

Graphic Depiction 4



DME DME Assessment Results for PANGG7 path HALIE_JOSSH



DME DME Assessment Results for PANGG7 path HALIE_OLCYK

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250403_1504 EDT\HALIE_OLCYK\KMDW PANGG7 RNAV STAR HALIE OLCYK 20250403_1504 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/03/2025 15:04 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
HALIE	WP	N41° 30' 57.8500", W087° 09' 31.9500"	6000	VNAV	200	FLY_BY	TF
OLCYK	WP	N41° 32' 24.6900", W087° 36' 16.0600"	4000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KMDW
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 PANGG7 path HALIE_OLCYK

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	CGT	N41° 30' 36.0237", W087° 34' 17.5660"	2.0 E	40	L		NO	Enabled	74.9 %	74.9 %
2	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	100 %	100 %
3	GCO	N41° 59' 38.7200", W087° 54' 08.3800"	0.0 E	40	L		NO	Enabled	54.5 %	54.5 %
4	EON	N41° 16' 10.6765", W087° 47' 27.7925"	2.0 E	40	L		NO	Enabled	100 %	100 %
5	IKK	N41° 04' 27.7626", W087° 51' 00.5883"	0.0 E	40	L		NO	Enabled	69.4 %	69.4 %
6	OBK	N42° 13' 16.9555", W087° 57' 06.0134"	2.0 W	130	DH		NO	Enabled	100 %	100 %
7	JOT	N41° 32' 47.1067", W088° 19' 06.2780"	2.0 E	130	H		NO	Enabled	37.5 %	37.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OBK	EON	OXI	CGT		
6.2	OBK	EON	IKK	OXI	CGT	
14.8	IKK	OXI	EON	GCO	OBK	JOT

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

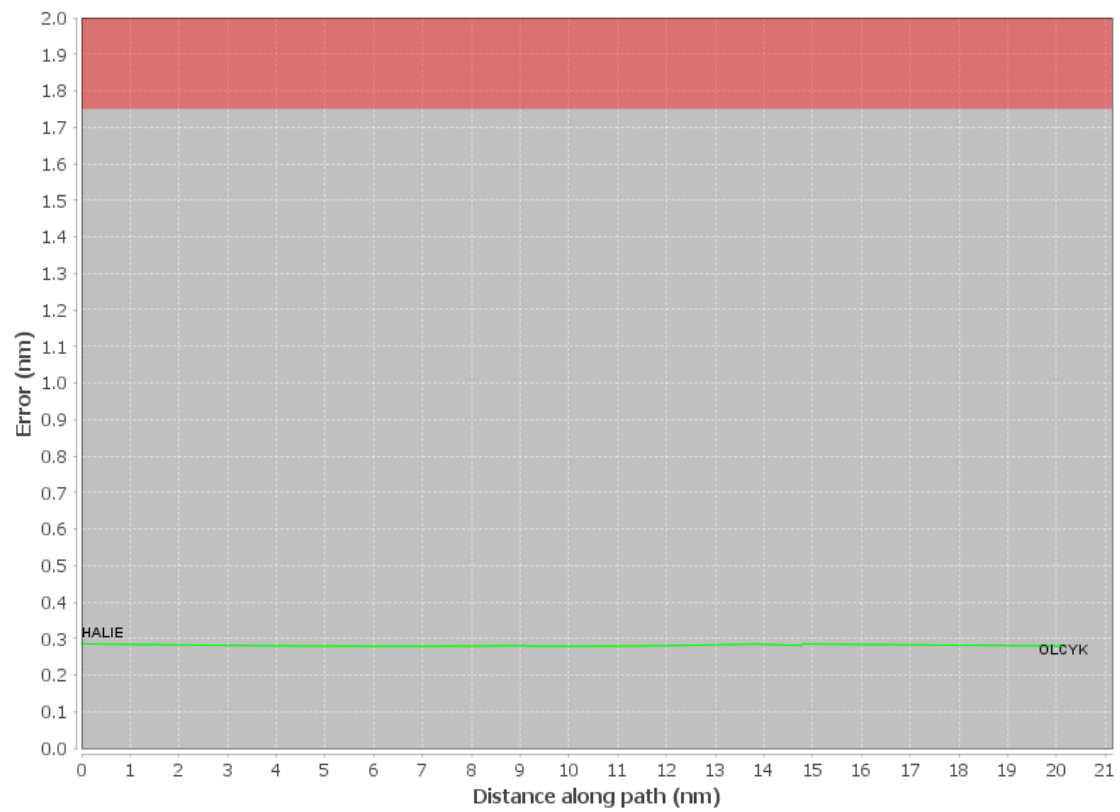
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HALIE	OLCYK	CGT, OXI, GCO, EON, IKK, OBK, JOT	

DME DME Assessment Results for PANGG7 path HALIE_OLCYK

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		

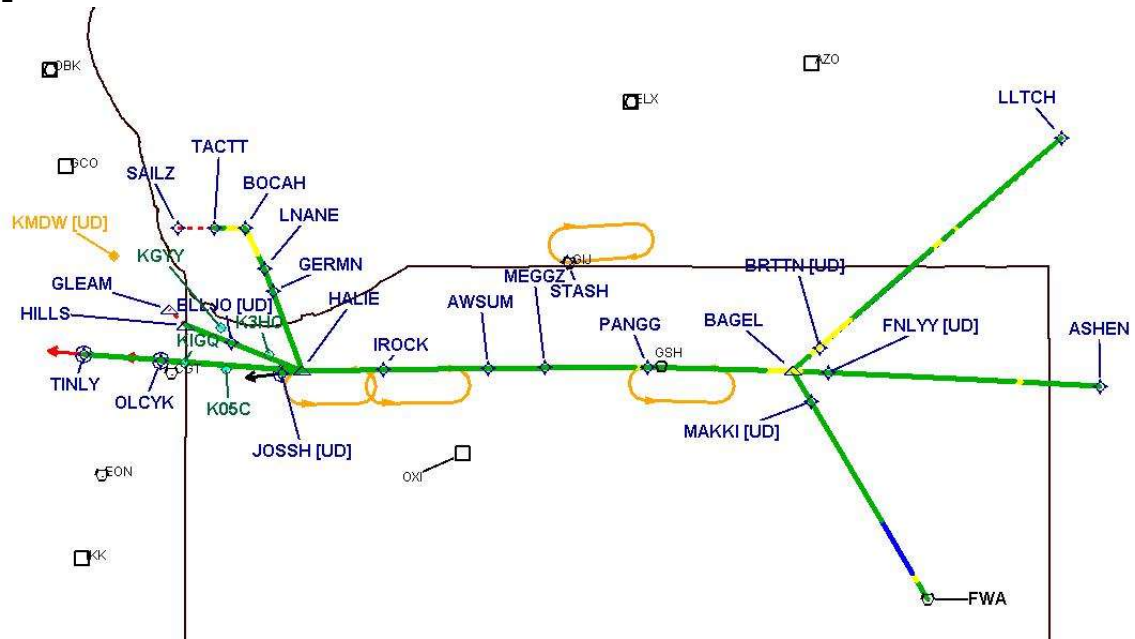
DME DME Assessment Results for PANGG7 path HALIE_OLCYK

DME Error



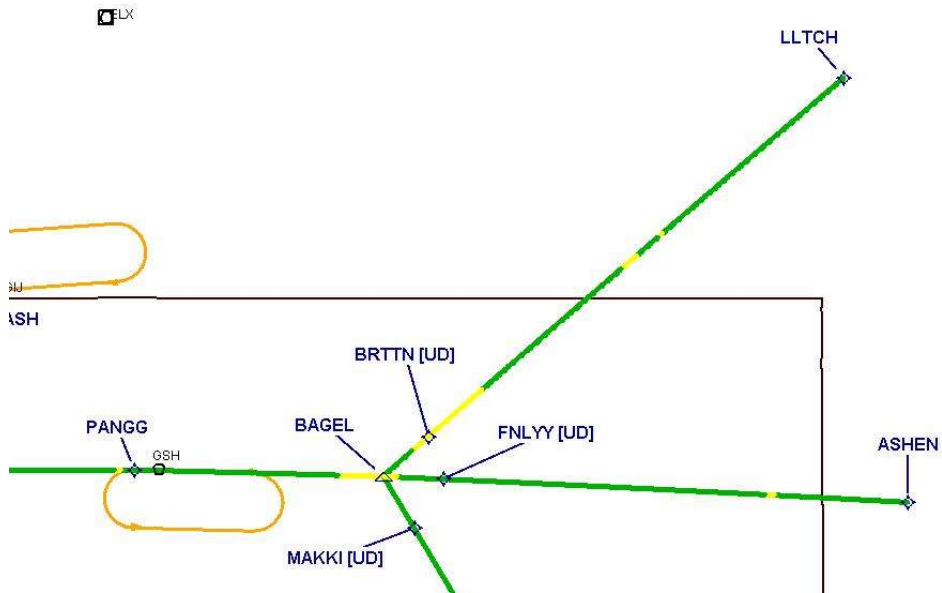
DME DME Assessment Results for PANGG7 path HALIE_OLCYK

Graphic Depiction 1



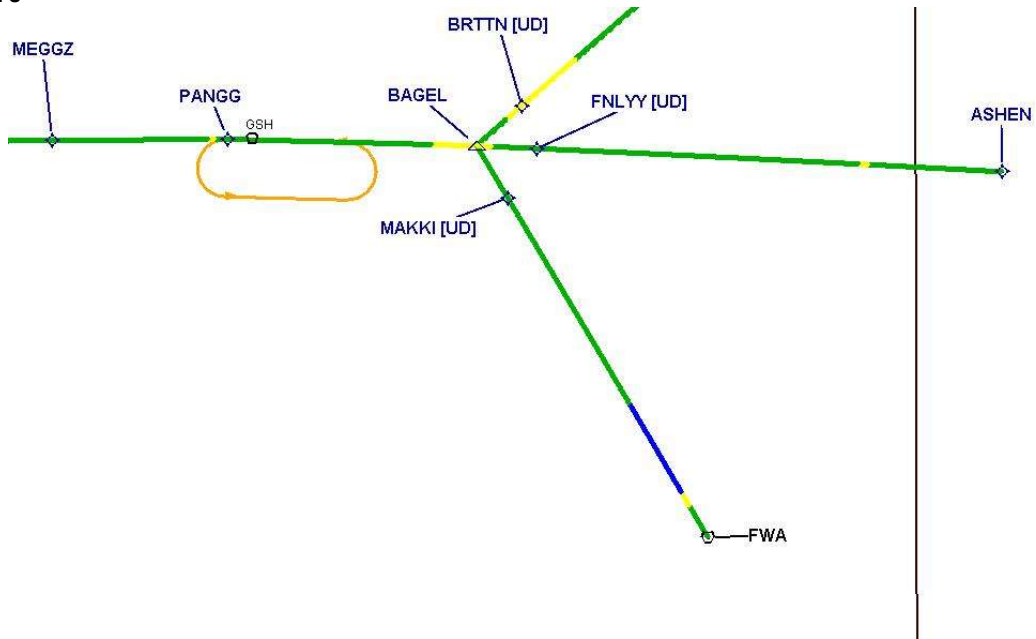
DME DME Assessment Results for PANGG7 path HALIE_OLCYK

Graphic Depiction 2



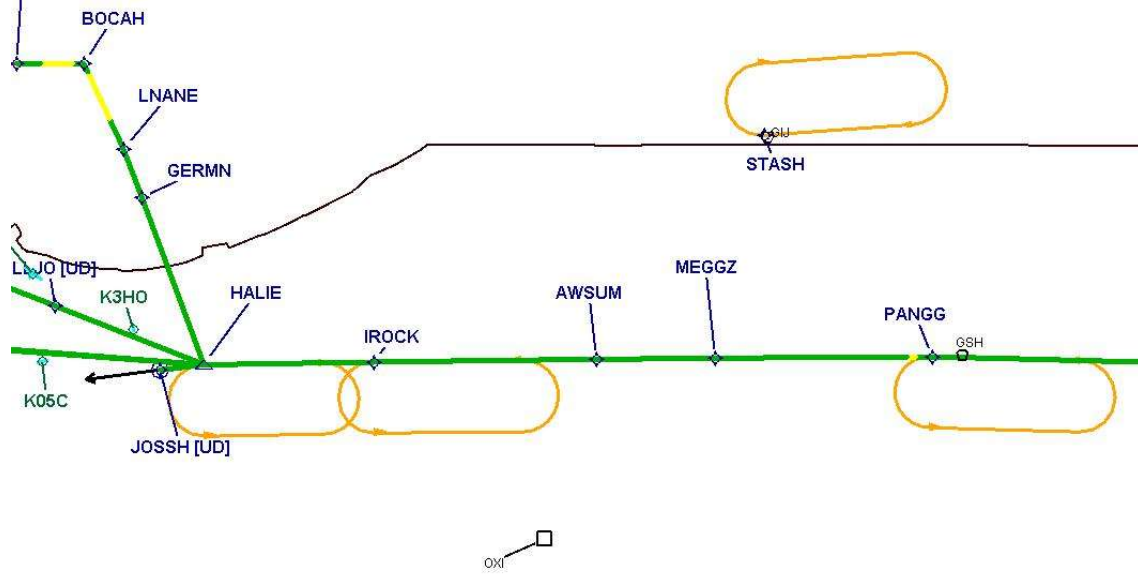
DME DME Assessment Results for PANGG7 path HALIE_OLCYK

Graphic Depiction 3



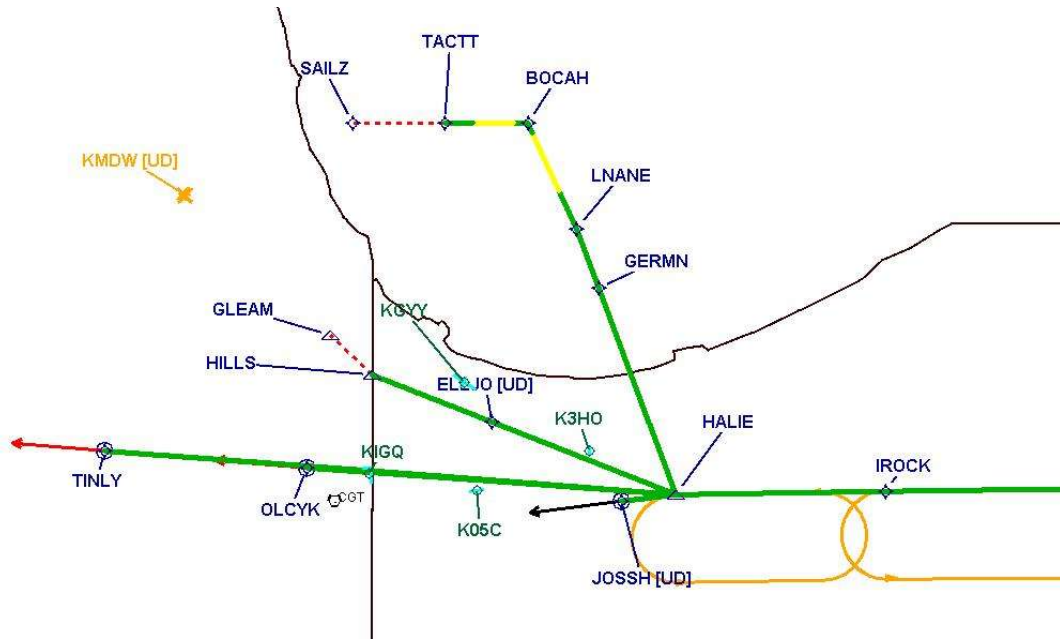
DME DME Assessment Results for PANGG7 path HALIE_OLCYK

Graphic Depiction 4



Graphic Depiction 5

DME DME Assessment Results for PANGG7 path HALIE_OLCYK



DME DME Assessment Results for PANGG7 path HALIE_TINLY

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250403_1504 EDT\HALIE_TINLY\KMDW PANGG7 RNAV STAR HALIE TINLY 20250403_1504 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/03/2025 15:04 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
HALIE	WP	N41° 30' 57.8500", W087° 09' 31.9500"	6000	VNAV	200	FLY_BY	TF
TINLY	WP	N41° 33' 19.0800", W087° 50' 57.5600"	4000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KMDW
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 PANGG7 path HALIE_TINLY

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	CGT	N41° 30' 36.0237", W087° 34' 17.5660"	2.0 E	40	L		NO	Enabled	81.7 %	81.7 %
2	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	100 %	100 %
3	GCO	N41° 59' 38.7200", W087° 54' 08.3800"	0.0 E	40	L		NO	Enabled	71 %	71 %
4	DPA	N41° 53' 25.3373", W088° 21' 00.6389"	2.0 E	40	L		NO	Enabled	29.9 %	29.9 %
5	EON	N41° 16' 10.6765", W087° 47' 27.7925"	2.0 E	40	L		NO	Enabled	100 %	100 %
6	IKK	N41° 04' 27.7626", W087° 51' 00.5883"	0.0 E	40	L		NO	Enabled	80.1 %	80.1 %
7	OBK	N42° 13' 16.9555", W087° 57' 06.0134"	2.0 W	130	DH		NO	Enabled	100 %	100 %
8	JOT	N41° 32' 47.1067", W088° 19' 06.2780"	2.0 E	130	H		NO	Enabled	59.6 %	59.6 %

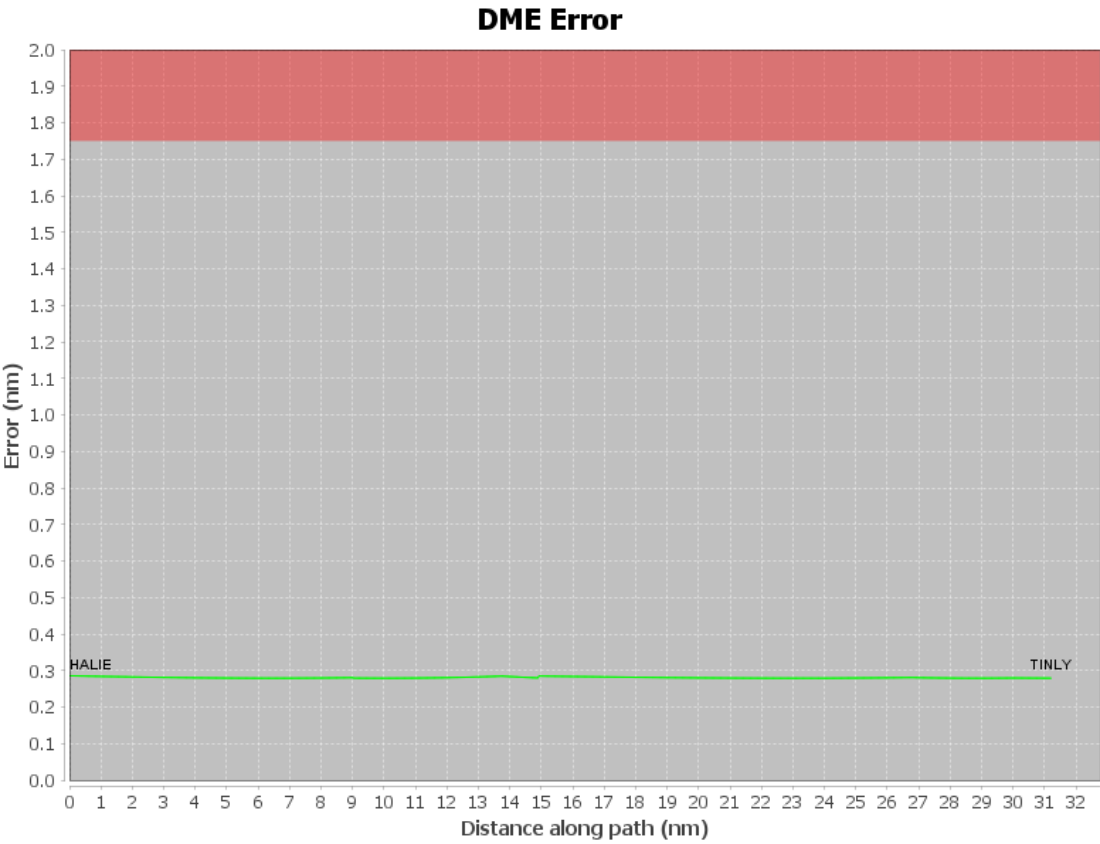
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OBK	EON	OXI	CGT		
6.2	OBK	EON	IKK	OXI	CGT	
14.9	IKK	OXI	EON	GCO	OBK	JOT

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HALIE	TINLY	CGT, OXI, GCO, DPA, EON, IKK, OBK, JOT	

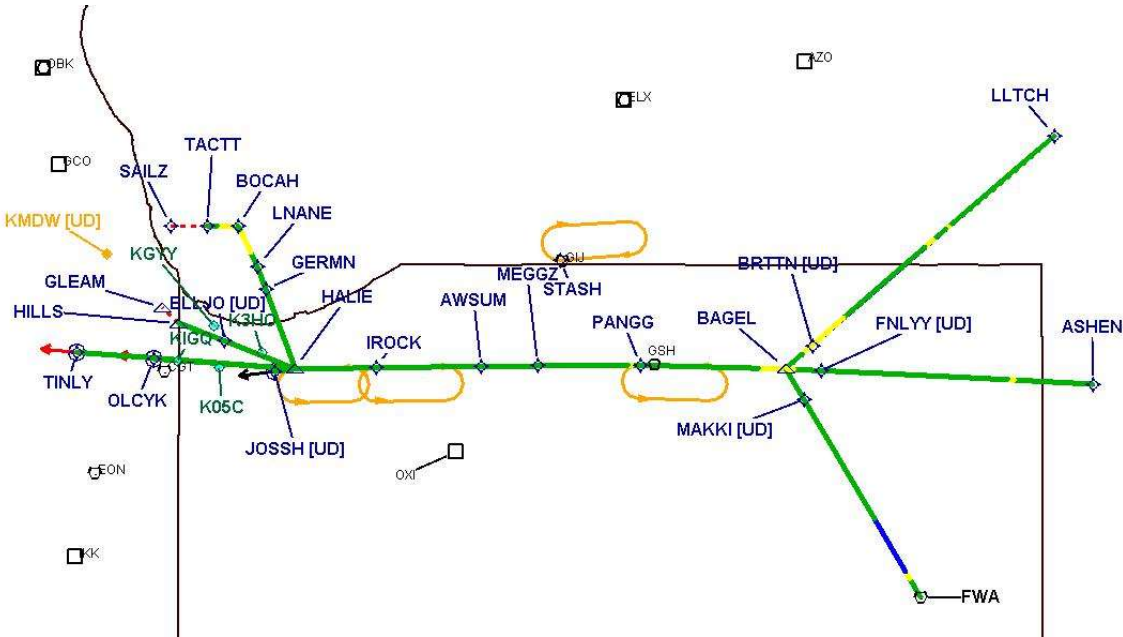
DME DME Assessment Results for PANGG7 path HALIE_TINLY

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		

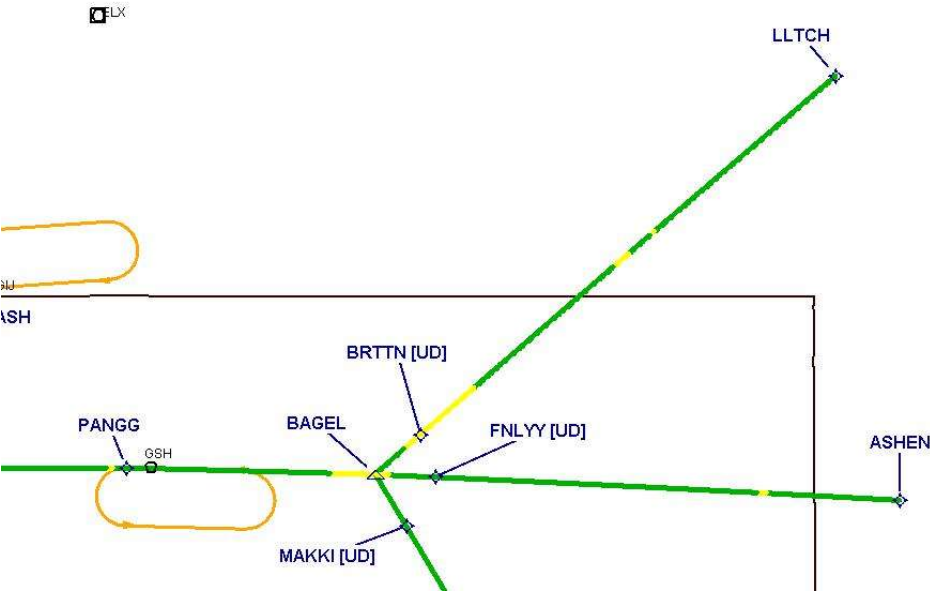


DME DME Assessment Results for PANGG7 path HALIE_TINLY

Graphic Depiction 1

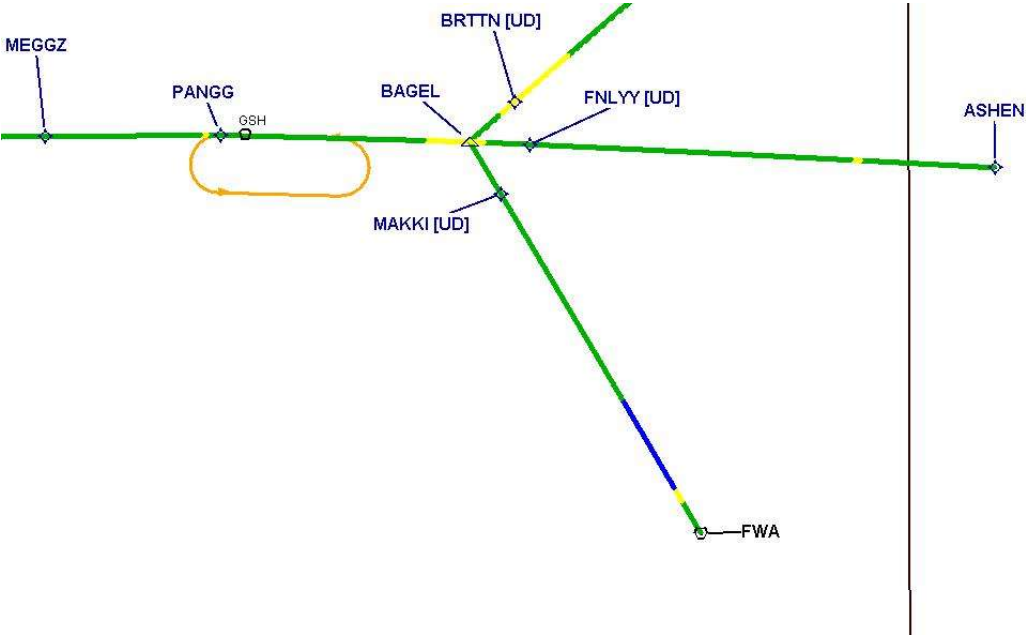


Graphic Depiction 2



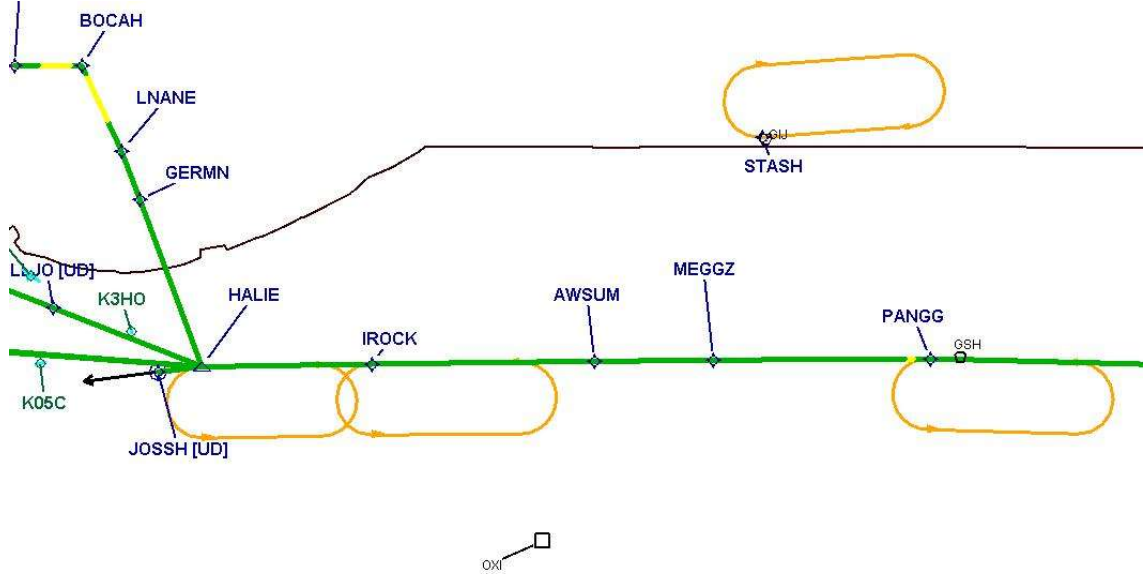
DME DME Assessment Results for PANGG7 path HALIE_TINLY

Graphic Depiction 3



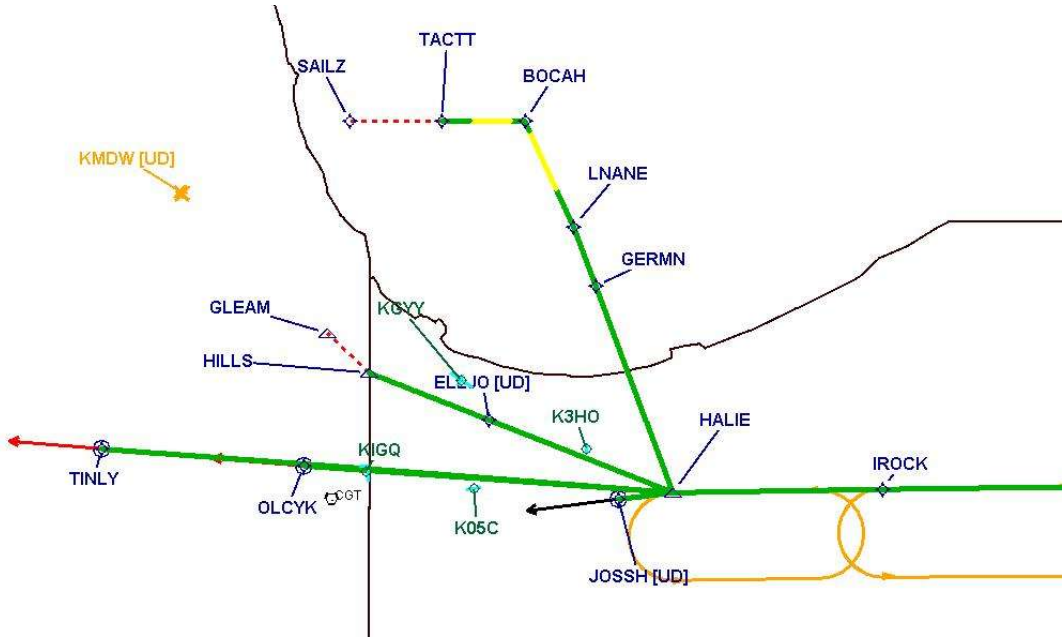
DME DME Assessment Results for PANGG7 path HALIE_TINLY

Graphic Depiction 4



DME DME Assessment Results for PANGG7 path HALIE_TINLY

Graphic Depiction 5



DME DME Assessment Results for PANGG7 path LLTCH_BAGEL

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL250403.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250407_1523 EDT\LLTCH_BAGEL\KMDW PANGG7 RNAV STAR LLTCH BAGEL 20250407_1523 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/07/2025 15:23 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
LLTCH	WP	N42° 03' 44.1814", W084° 45' 55.7063"	6000	VNAV	200	FLY_BY	TF
BRTTN	WP	N41° 34' 14.3032", W085° 31' 47.6176"	6000	VNAV	200	FLY_BY	TF
BAGEL	WP	N41° 30' 57.5100", W085° 36' 49.2800"	6000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMDW
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 PANGG7 path LLTCH_BAGEL

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	ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	L		NO	Enabled	49.3 %	49.3 %
2	JXN	N42° 15' 33.2631", W084° 27' 30.7776"	0.0 E	130	DH		NO	Enabled	100 %	100 %
3	FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	H		NO	Enabled	37.9 %	37.9 %
4	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	67.7 %	67.7 %
5	AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	L		NO	Enabled	90 %	90 %
6	GIJ	N41° 46' 07.0005", W086° 19' 06.4268"	0.0 E	130	H		NO	Enabled	19.8 %	19.8 %
7	CRL	N42° 02' 52.8956", W083° 27' 27.2625"	3.0 W	130	DH		NO	Enabled	48.3 %	48.3 %
8	GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	H		NO	Enabled	30.6 %	30.6 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	AZO	FWA	CRL	JXN		
9.4	AZO	JXN	CRL			
12.0	AZO	JXN	FWA	CRL		
16.2	AZO	JXN	OXI	CRL		
18.6	AZO	JXN	OXI	ELX	CRL	
24.3	AZO	JXN	OXI	ELX		
27.5	AZO	GSH	OXI	JXN	ELX	
31.6	AZO	OXI	ELX	JXN		
39.0	ELX	JXN	AZO	GSH	OXI	
40.3	AZO	GSH	OXI	GIJ	JXN	
45.3	OXI	FWA	GSH	JXN	GIJ	
47.0	ELX	JXN	OXI	GIJ	GSH	

DME DME Assessment Results for PANGG7 path LLTCH_BAGEL

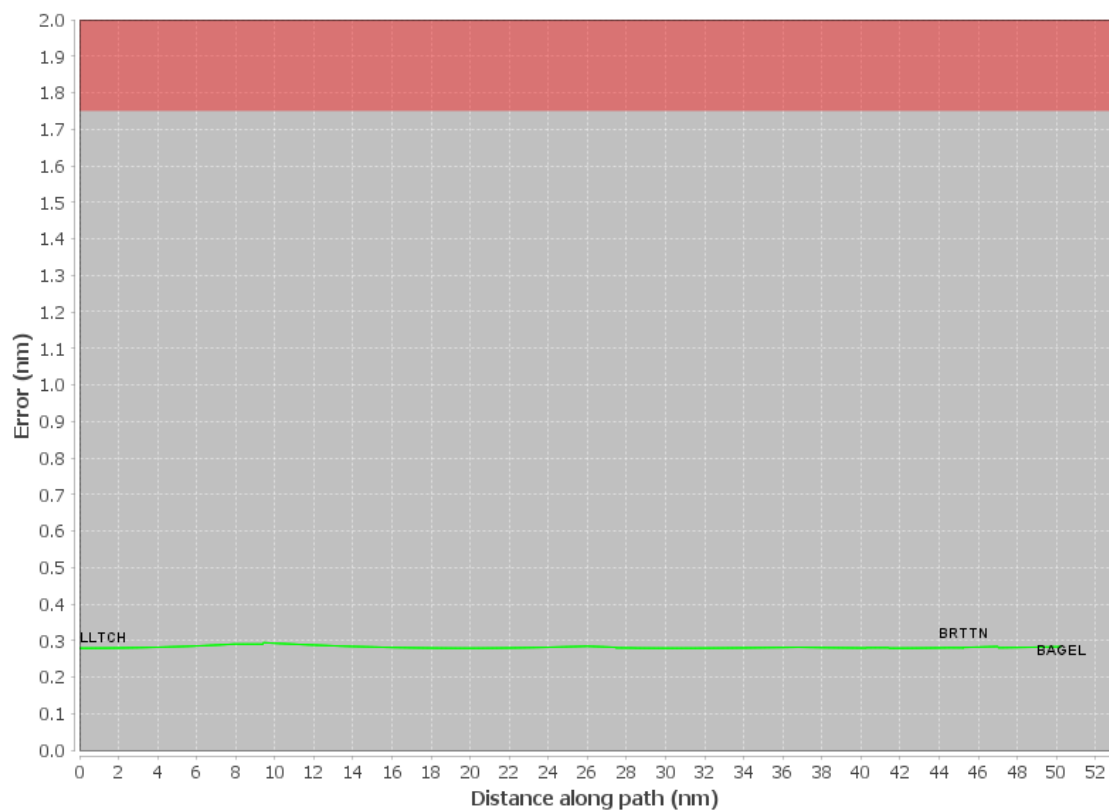
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
LLTCH	BRTTN	ELX, JXN, FWA, OXI, AZO, GIJ, CRL, GSH	
BRTTN	BAGEL	ELX, OXI, JXN, FWA, AZO, GIJ, GSH	

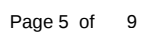
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		

DME DME Assessment Results for PANGG7 path LLTCH_BAGEL

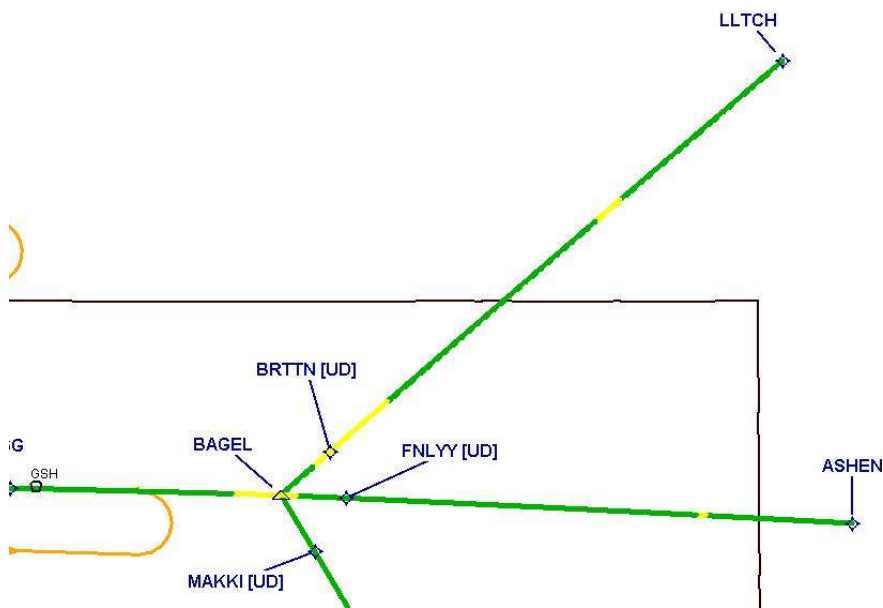
DME Error



Graphic Depiction 1

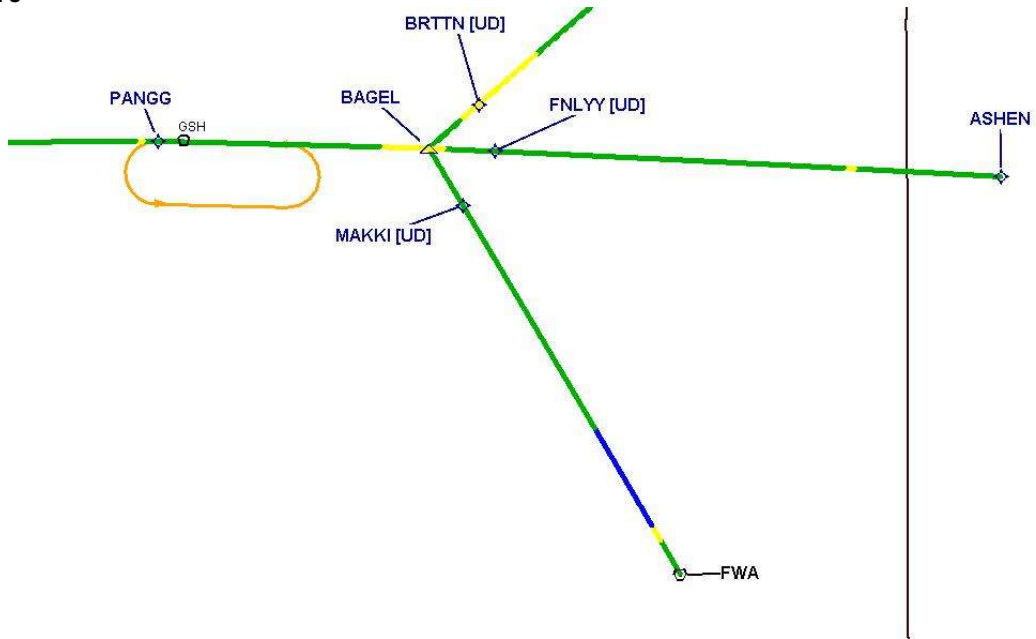


Graphic Depiction 2



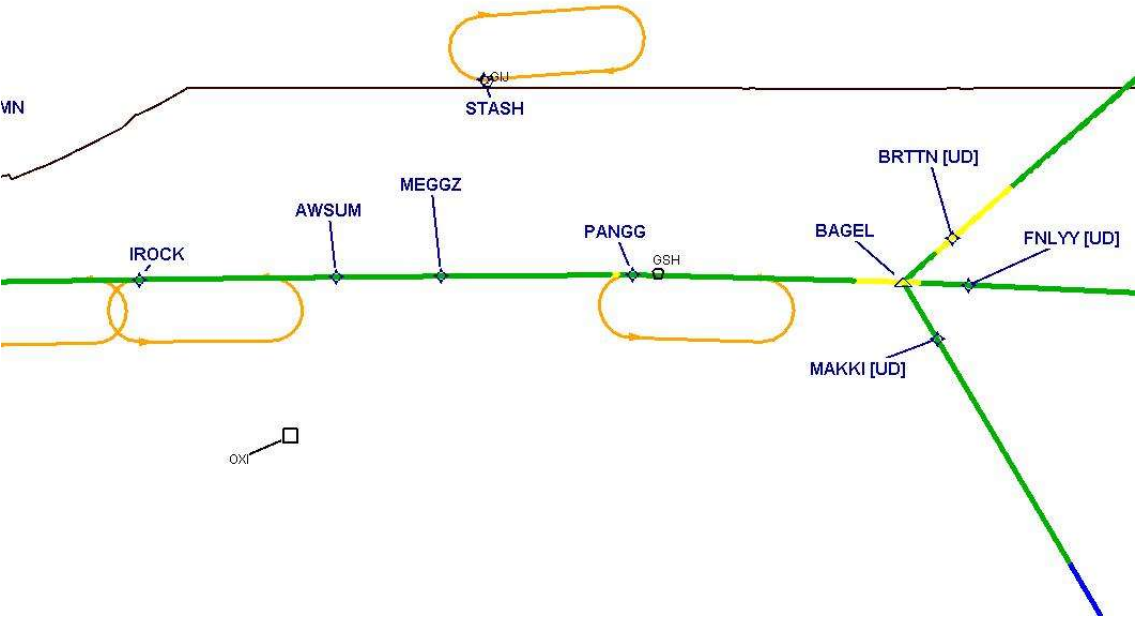
DME DME Assessment Results for PANGG7 path LLTCH_BAGEL

Graphic Depiction 3



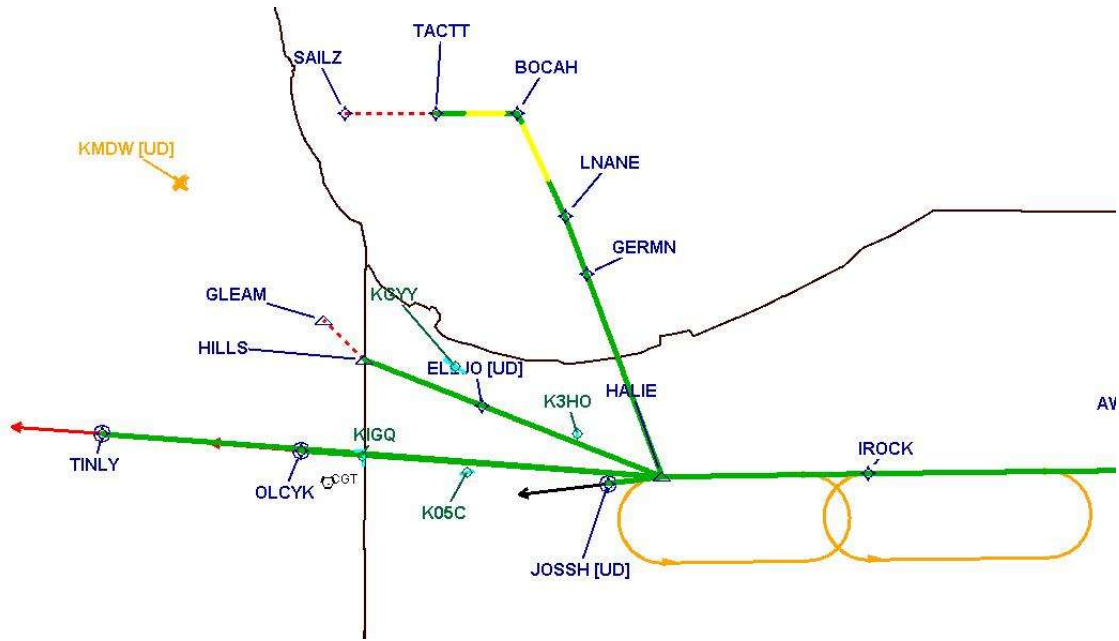
DME DME Assessment Results for PANGG7 path LLTCH_BAGEL

Graphic Depiction 4



DME DME Assessment Results for PANGG7 path LLTCH_BAGEL

Graphic Depiction 5



DME DME Assessment Results for PANGG7 path MEGGZ_IROCK

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\KMDW\PANGG 7 STAR\KMDW STAR PANGG SEVEN DME FINAL.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMDW\PANGG 7 STAR\KMDW PANGG7 20250403_1504 EDT\MEGGZ_IROCK\KMDW PANGG7 RNAV STAR MEGGZ IROCK 20250403_1504 EDT.pdf
Procedure Name:	PANGG7
Software: DmeDmePlugin:	7.4.1
Date/Time:	04/03/2025 15:04 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
MEGGZ	WP	N41° 31' 24.2800", W086° 23' 44.6500"	6000	VNAV	200	FLY_BY	TF
IROCK	WP	N41° 31' 08.7300", W086° 54' 18.7100"	6000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KMDW
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 PANGG7 path MEGGZ_IROCK

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	OXI	N41° 19' 19.4116", W086° 38' 57.4387"	0.0 E	130	DH		NO	Enabled	88.6 %	88.6 %
2	CGT	N41° 30' 36.0237", W087° 34' 17.5660"	2.0 E	40	L		NO	Enabled	43 %	43 %
3	GIJ	N41° 46' 07.0005", W086° 19' 06.4268"	0.0 E	130	H		NO	Enabled	100 %	100 %
4	OBK	N42° 13' 16.9555", W087° 57' 06.0134"	2.0 W	130	DH		NO	Enabled	79.5 %	79.5 %
5	GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GIJ	GSH				
2.6	GIJ	GSH	OXI			
4.7	OXI	OBK	GIJ	GSH		
13.1	CGT	OXI	GSH	GIJ	OBK	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MEGGZ	IROCK	OXI, CGT, GIJ, OBK, GSH	

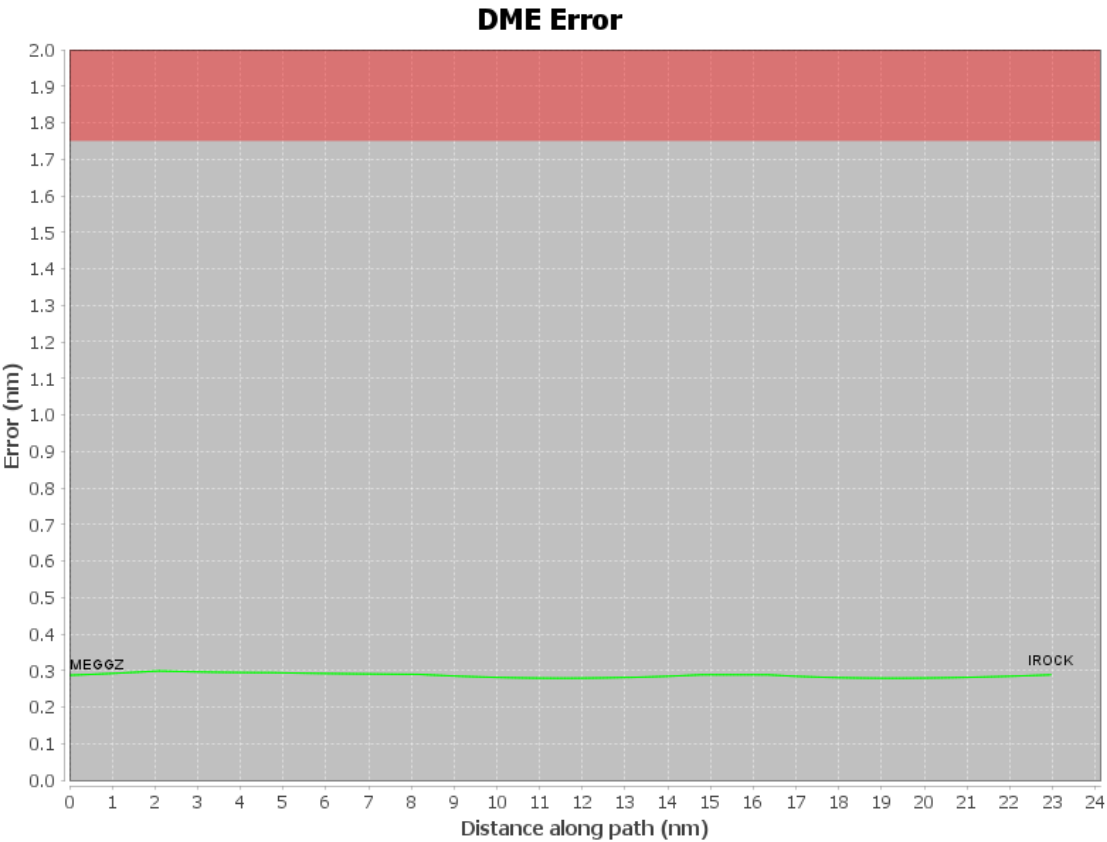
DME DME Assessment Results for PANGG7 path MEGGZ_IROCK

User Data Files

#	File Name
1	New Analysis.udt

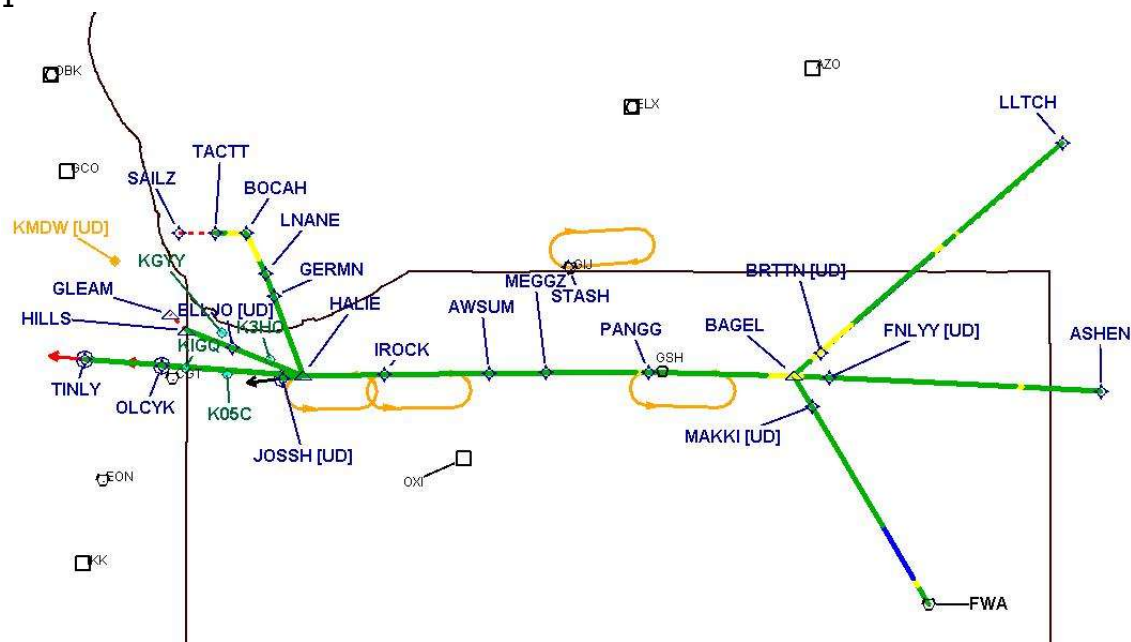
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ELX FAA 830645-5 ELX	N42° 08' 39.8845", W086° 07' 21.7408"	0.0 E	40	793.7	116.6	ELX FAA 830645-5	
ESV:		Bearing [True]: 100.0° to 150.0° Bearing [Mag]: 100.0° to 150.0°				Arc Distance: Out to 53.0 NM Altitude: 3400.0 to 20000.0 ft		
2	GSH FAA 793617-17 GSH	N41° 31' 30.5586", W086° 01' 40.6316"	0.0 E	130	851.8	113.7	GSH FAA 793617-17	
ESV:		Bearing [True]: 119.0° to 136.0° Bearing [Mag]: 119.0° to 136.0°				Arc Distance: Out to 52.0 NM Altitude: 3300.0 to 15400.0 ft		
3	AZO FAA 830743-3 AZO	N42° 14' 13.1493", W085° 33' 11.3463"	0.0 E	40	868.8	109.0	AZO FAA 830743-3	
ESV:		Bearing [True]: 95.0° to 148.0° Bearing [Mag]: 95.0° to 148.0°				Arc Distance: Out to 65.0 NM Altitude: 3900.0 to 15000.0 ft		
4	FWA FAA 698241-33 FWA	N40° 58' 44.6315", W085° 11' 17.0092"	6.0 W	130	792.6	117.8	FWA FAA 698241-33	
ESV:		Bearing [True]: 4.0° to 49.0° Bearing [Mag]: 10.0° to 55.0°				Arc Distance: Out to 73.0 NM Altitude: 4200.0 to 15300.0 ft		



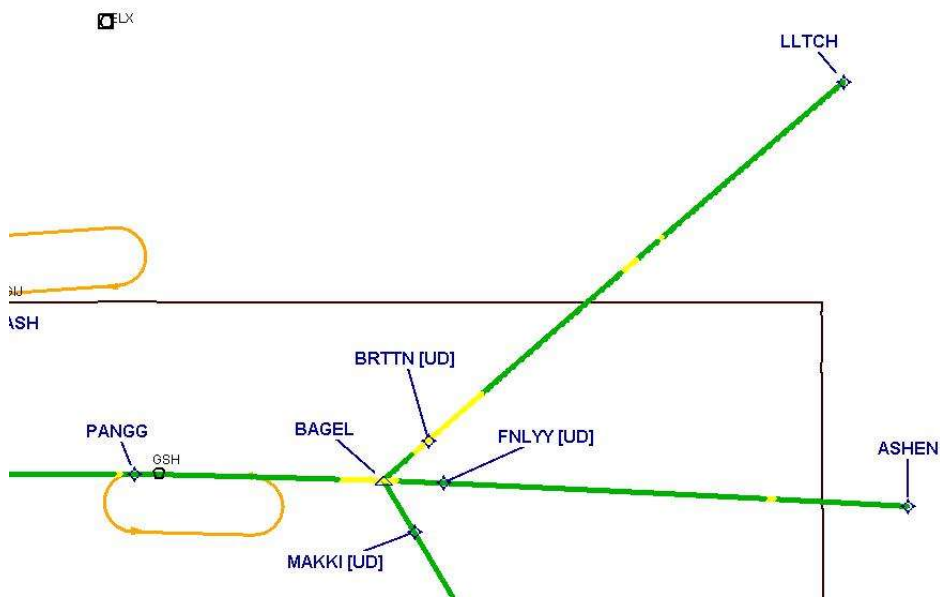
DME DME Assessment Results for PANGG7 path MEGGZ_IROCK

Graphic Depiction 1



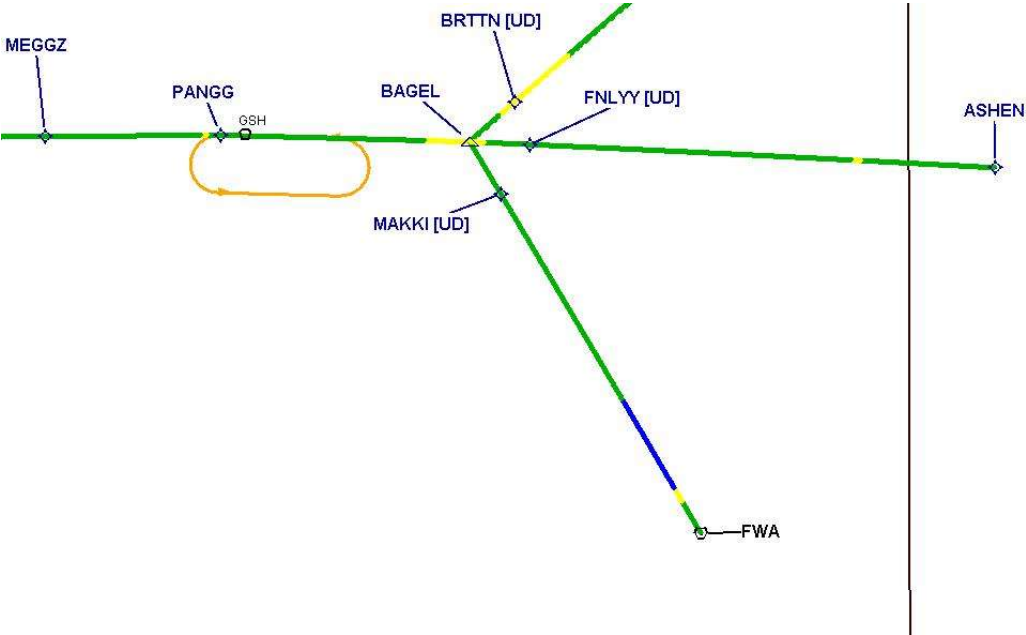
DME DME Assessment Results for PANGG7 path MEGGZ_IROCK

Graphic Depiction 2

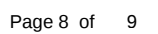


DME DME Assessment Results for PANGG7 path MEGGZ_IROCK

Graphic Depiction 3



Graphic Depiction 4



Graphic Depiction 5

