

DME DME Assessment Results for DUHCK1 path DDOWN_STIER

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\SIDS\KMSP DUHCK ONE SID\KMSP SID DUHCK ONE DME 20241202 (email).tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP\SIDS\KMSP DUHCK ONE SID\KFCM [IFPA] DUHCK1 20241204_1147 EST\DDOWN_STIER\KFCM DUHCK1 SID DDOWN STIER 20241204_1147 EST.pdf
Procedure Name:	DUHCK1
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/04/2024 11:47 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
DDOWN	WP	N43° 25' 15.2231", W095° 43' 10.8369"	10000	VNAV	200	FLY_BY	TF
STIER	WP	N42° 47' 35.0991", W096° 04' 27.1612"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KFCM [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 DUHCK1 path DDOWN_STIER

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	RWF	N44° 28' 02.1854", W095° 07' 41.6276"	7.0 E	130	DH		NO	Enabled	94.4 %	94.4 %
2	FNX	N43° 38' 15.9200", W094° 24' 47.5100"	0.0 E	130	DH		NO	Enabled	94.4 %	94.4 %
3	OTG	N43° 38' 48.3921", W095° 34' 54.6016"	0.0 E	40	L		NO	Enabled	61.2 %	61.2 %
4	FSD	N43° 38' 58.1657", W096° 46' 52.0501"	9.0 E	130	H		NO	Enabled	15.9 %	15.9 %
5	SUX	N42° 20' 40.2559", W096° 19' 25.1185"	9.0 E	40	L		NO	Enabled	5.9 %	5.9 %
6	SPW	N43° 09' 43.8365", W095° 12' 03.5706"	5.0 E	40	L		NO	Enabled	76 %	76 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OTG	SPW	RWF	FNX		
25.0	FSD	FNX	SPW	RWF		
30.1	SPW	SUX	RWF	FNX		
31.0	FSD	FNX	SUX	RWF		
32.5	FNX	RWF				
38.5						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N42° 49' 38.3743", W096° 03' 18.2748"	N42° 47' 35.0991", W096° 04' 27.1612"	2.2211

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DDOWN	STIER	RWF, FNX, OTG, FSD, SUX, SPW	

DME DME Assessment Results for DUHCK1 path DDOWN_STIER

User Data Files

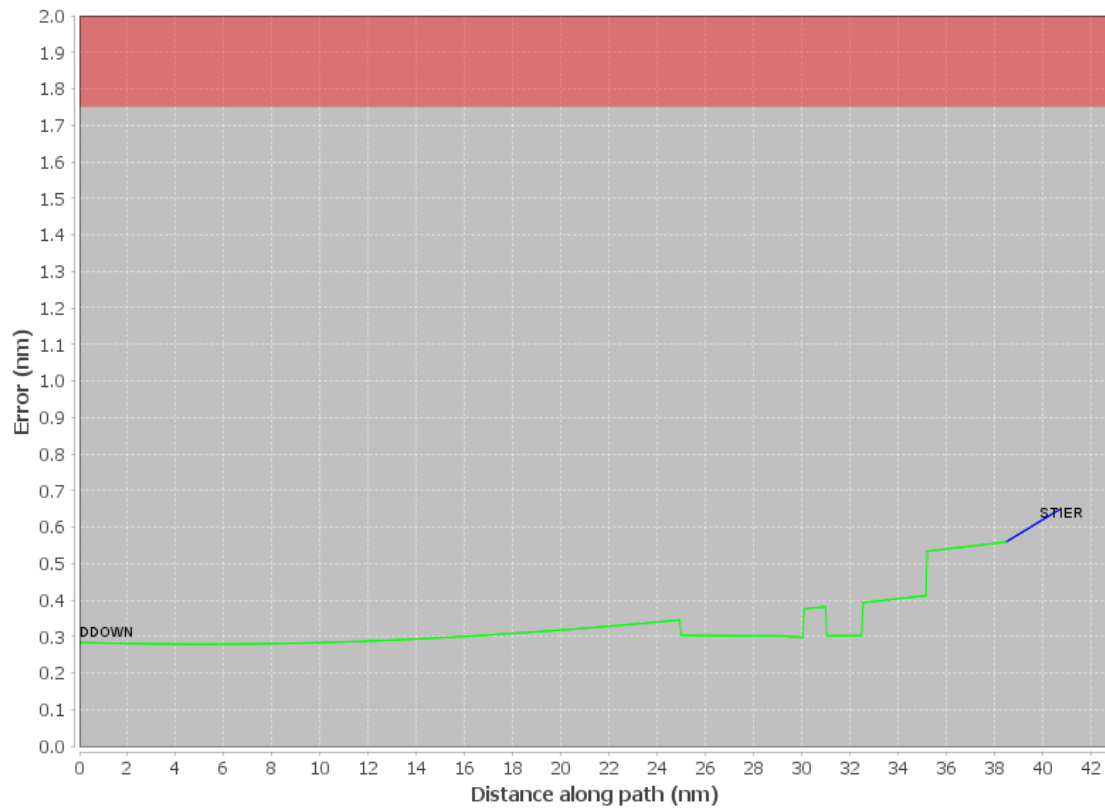
#	File Name
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User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV DWN [IFPA] DWN	N45° 05' 14.8650", W094° 27' 13.8590"	0.0 E	40	1130	109.0	ESV DWN [IFPA]	
ESV:		Bearing [True]: 115.0° to 133.0° Bearing [Mag]: 115.0° to 133.0°				Arc Distance: Out to 54.0 NM Altitude: 3500.0 to 8000.0 ft		
2	ESV OFK [IFPA] OFK	N41° 59' 16.5423", W097° 26' 04.4497"	8.0 E	40	1538.9	114.35	ESV OFK [IFPA]	
ESV:		Bearing [True]: 284.0° to 21.0° Bearing [Mag]: 276.0° to 13.0°				Arc Distance: Out to 72.0 NM Altitude: 8000.0 to 18000.0 ft		
3	ESV FSD [IFPA] FSD	N43° 38' 58.1657", W096° 46' 52.0501"	9.0 E	130	1570.5	115.0	ESV FSD [IFPA]	
ESV:		Bearing [True]: 101.0° to 144.0° Bearing [Mag]: 92.0° to 135.0°				Arc Distance: Out to 103.0 NM Altitude: 10000.0 to 18000.0 ft		

DME DME Assessment Results for DUHCK1 path DDOWN_STIER

DME Error



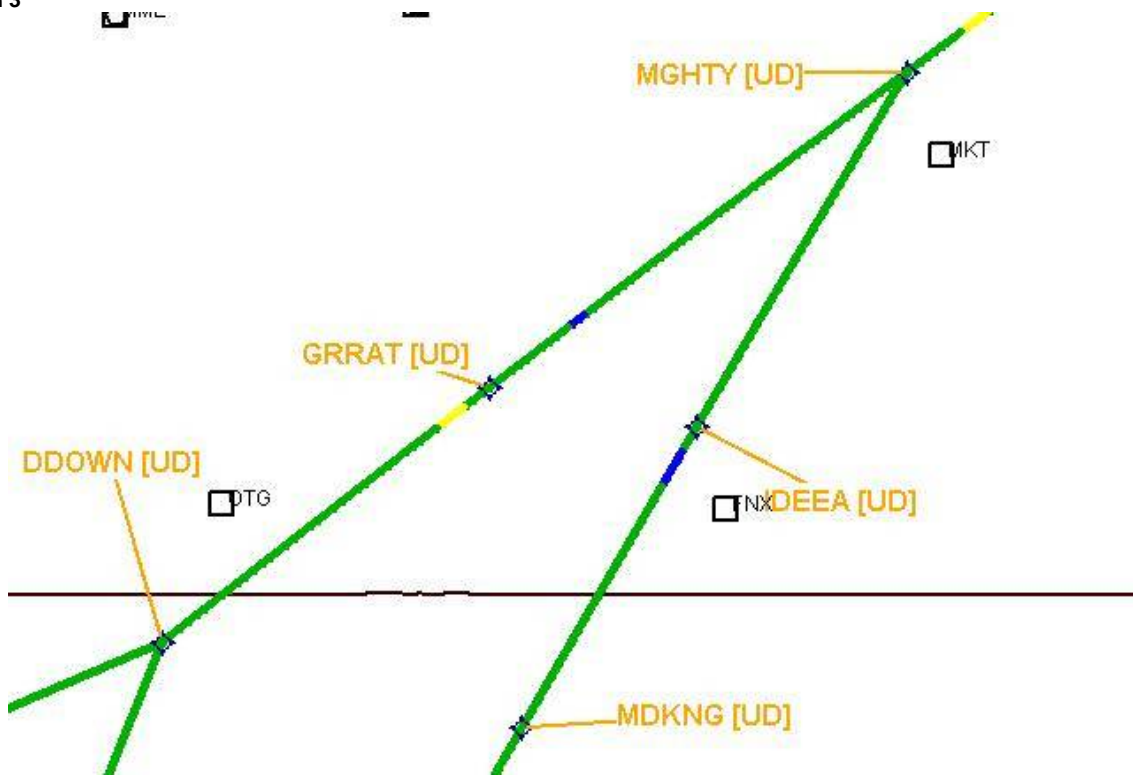
DME DME Assessment Results for DUHCK1 path DDOWN_STIER

Graphic Depiction 2



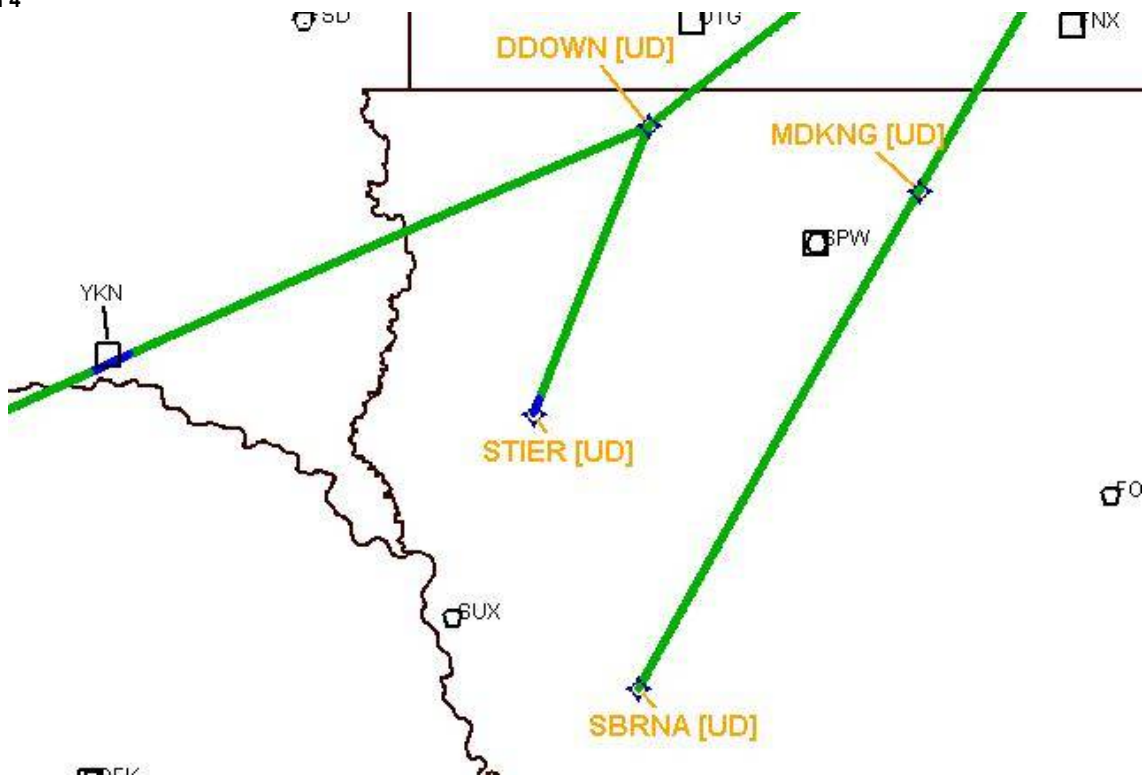
DME DME Assessment Results for DUHCK1 path DDOWN_STIER

Graphic Depiction 3



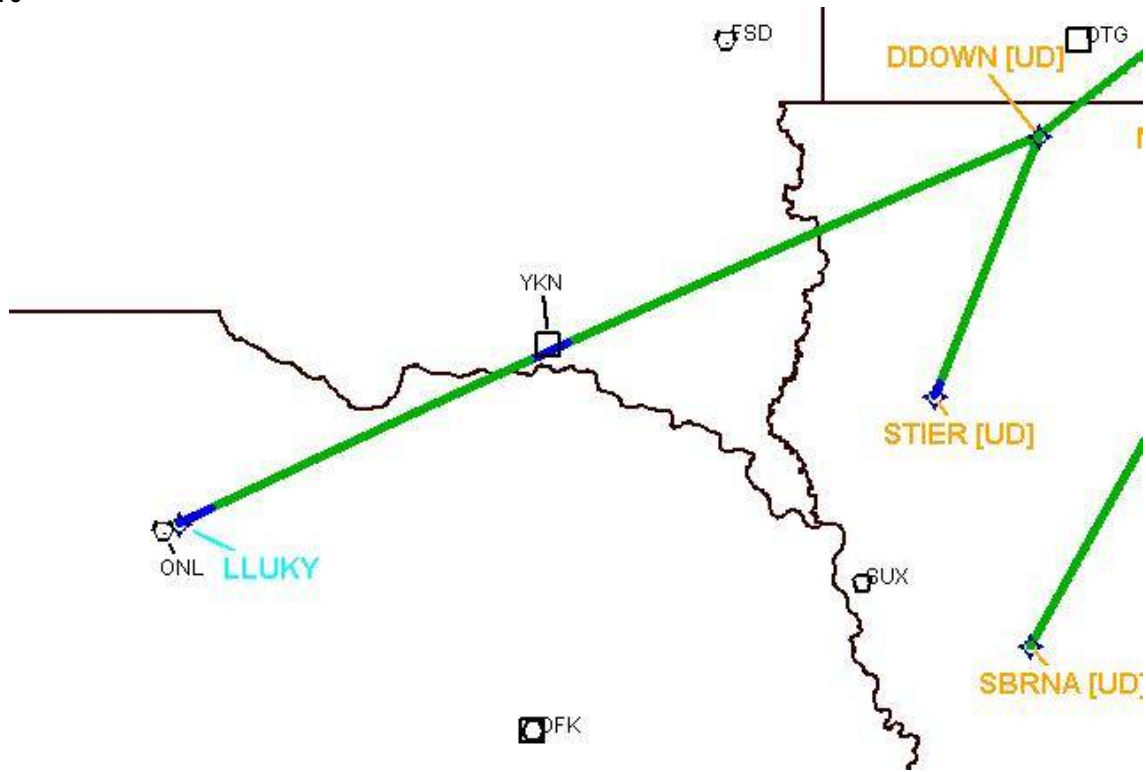
DME DME Assessment Results for DUHCK1 path DDOWN_STIER

Graphic Depiction 4



DME DME Assessment Results for DUHCK1 path DDOWN_STIER

Graphic Depiction 5



DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

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\SIDS\KMSP DUHCK ONE SID\KMSP SID DUHCK ONE DME 20241202 (email).tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP\SIDS\KMSP DUHCK ONE SID\KFCM [IFPA] DUHCK1 20241204_1147 EST\GGREY_LLUKY\KFCM DUHCK1 SID GGREY LLUKY 20241204_1147 EST.pdf
Procedure Name:	DUHCK1
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/04/2024 11:47 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
GGREY	WP	N44° 37' 35.4135", W093° 31' 31.4716"	4000	VNAV	200	FLY_BY	TF
DUHCK	WP	N44° 30' 14.8491", W093° 42' 45.4940"	4000	VNAV	200	FLY_BY	TF
MGHTY	WP	N44° 21' 20.9681", W093° 59' 44.9253"	4000	VNAV	200	FLY_BY	TF
GRRAT	WP	N43° 50' 20.7265", W094° 57' 40.1912"	6000	VNAV	200	FLY_BY	TF
DDOWN	WP	N43° 25' 15.2231", W095° 43' 10.8369"	10000	VNAV	200	FLY_BY	TF
LLUKY	WP	N42° 29' 20.2600", W098° 38' 11.4400"	12000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KFCM [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 DUHCK1 path GGREY_LLUKY

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	RWF	N44° 28' 02.1854", W095° 07' 41.6276"	7.0 E	130	DH		NO	Enabled	58.6 %	58.5 %
2	OTG	N43° 38' 48.3921", W095° 34' 54.6016"	0.0 E	40	L		NO	Enabled	29.8 %	29.7 %
3	HON	N44° 26' 24.3000", W098° 18' 39.9051"	0.0 E	130	DH		NO	Enabled	29.4 %	29.3 %
4	ANW	N42° 34' 08.8100", W099° 59' 22.7800"	9.0 E	130	DH		NO	Enabled	15 %	15 %
5	MSP	N44° 53' 47.3958", W093° 14' 11.5137"	2.0 E	40	L		NO	Enabled	4.9 %	4.9 %
6	ONL	N42° 28' 13.7957", W098° 41' 12.9386"	10.0 E	130	H		NO	Enabled	12.3 %	12.3 %
7	FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	T		NO	Enabled	1.4 %	1.4 %
8	FCM	N44° 49' 31.2603", W093° 26' 33.6793"	1.0 E	40	L		NO	Enabled	10.8 %	10.8 %
9	FNX	N43° 38' 15.9200", W094° 24' 47.5100"	0.0 E	130	DH		NO	Enabled	59.2 %	59.1 %
10	FGT	N44° 37' 51.4303", W093° 10' 55.3911"	6.0 E	130	H		NO	Enabled	10.2 %	10.2 %
11	GEP	N45° 08' 44.4656", W093° 22' 23.4514"	6.0 E	130	H		NO	Enabled	2.8 %	2.8 %
12	OFK	N41° 59' 16.5423", W097° 26' 04.4497"	8.0 E	40	L		NO	Enabled	25.4 %	25.3 %
13	FSD	N43° 38' 58.1657", W096° 46' 52.0501"	9.0 E	130	H		NO	Enabled	16.5 %	16.5 %
14	MKT	N44° 13' 11.6641", W093° 54' 44.4827"	0.0 E	40	L		NO	Enabled	19.3 %	19.3 %
15	DWN	N45° 05' 14.8650", W094° 27' 13.8590"	0.0 E	40	L		NO	Enabled	2.6 %	2.6 %
16	SPW	N43° 09' 43.8365", W095° 12' 03.5706"	5.0 E	40	L		NO	Enabled	20.4 %	20.4 %
17	YKN	N42° 55' 06.1491", W097° 23' 05.9177"	0.0 E	40	L		NO	Enabled	28.3 %	28.3 %

DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	DWN	MSP	FGT	GEP	FCM	
6.8	FOW	FGT	MSP	GEP	FCM	
7.4	FCM	FGT	MSP			
9.6	FCM	FGT				
15.8	FOW	MSP	FCM	RWF	MKT	FGT
19.0	FGT	MKT				
19.1	RWF	MKT	FNX	FGT	FCM	
26.5	FNX	RWF	FCM	MKT		
28.2	FNX	RWF	MKT			
66.0						
68.0	OTG	RWF	FNX			
81.1	FNX	SPW	OTG	RWF		
106.0	FNX	SPW	RWF			
106.9	FNX	SPW	RWF	OTG		
134.0	FSD	OTG	RWF	FNX		
146.2	FSD	RWF	FNX			
158.8	FSD	YKN	FNX	RWF		
166.9	FSD	YKN	FNX	HON	RWF	
170.0	FSD	YKN	HON	FNX		
171.8	FSD	YKN	HON			
176.8	HON	YKN				
178.2	HON	YKN	OFK			
194.9	HON	YKN				
195.5						
201.6	HON	YKN				
204.9	OFK	YKN	HON			
212.3	OFK	YKN	ANW	HON		
222.2	OFK	ONL	YKN	ANW	HON	
238.4	OFK	ONL	HON	ANW		
249.3	OFK	ONL	ANW			
251.3	OFK	ONL				
254.1						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N43° 57' 32.6260", W094° 44' 23.5699"	N43° 56' 20.7506", W094° 46' 36.5624"	1.9997
2	N42° 55' 28.0369", W097° 18' 47.8910"	N42° 53' 00.9826", W097° 26' 24.8246"	6.1099
3	N42° 31' 36.9113", W098° 31' 25.3956"	N42° 29' 20.2600", W098° 38' 11.4400"	5.4989

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
GGREY	DUHCK	FCM, FGT, GEP, DWN, MSP, FOW	
DUHCK	MGHTY	RWF, FCM, FNX, FGT, MKT, MSP, FOW	
MGHTY	GRRAT	RWF, FNX, FCM, FGT, OTG, MKT	
GRRAT	DDOWN	RWF, FNX, OTG, SPW	
DDOWN	LLUKY	RWF, FNX, OTG, OFK, FSD, HON, ANW, SPW, ONL, YKN	

DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

User Data Files

#	File Name
None	

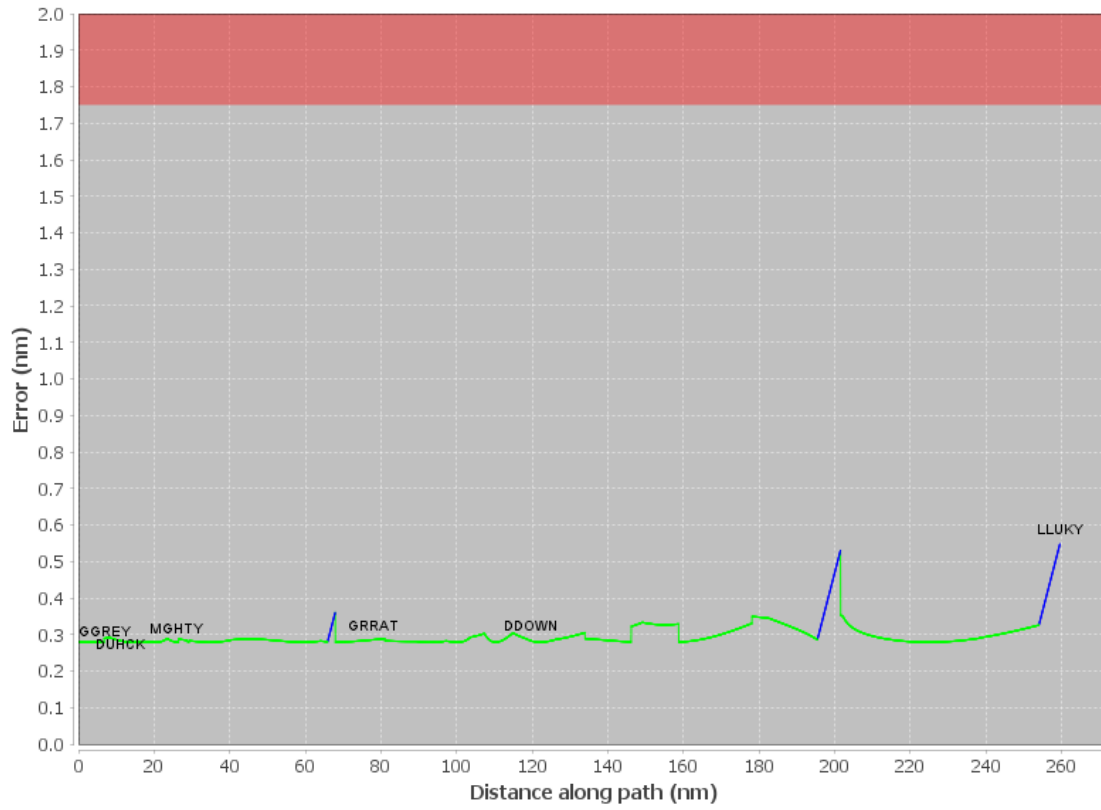
None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV DWN [IFPA] DWN	N45° 05' 14.8650", W094° 27' 13.8590"	0.0 E	40	1130	109.0	ESV DWN [IFPA]	
ESV:		Bearing [True]: 115.0° to 133.0° Bearing [Mag]: 115.0° to 133.0°				Arc Distance: Out to 54.0 NM Altitude: 3500.0 to 8000.0 ft		
2	ESV OFK [IFPA] OFK	N41° 59' 16.5423", W097° 26' 04.4497"	8.0 E	40	1538.9	114.35	ESV OFK [IFPA]	
ESV:		Bearing [True]: 284.0° to 21.0° Bearing [Mag]: 276.0° to 13.0°				Arc Distance: Out to 72.0 NM Altitude: 8000.0 to 18000.0 ft		
3	ESV FSD [IFPA] FSD	N43° 38' 58.1657", W096° 46' 52.0501"	9.0 E	130	1570.5	115.0	ESV FSD [IFPA]	
ESV:		Bearing [True]: 101.0° to 144.0° Bearing [Mag]: 92.0° to 135.0°				Arc Distance: Out to 103.0 NM Altitude: 10000.0 to 18000.0 ft		

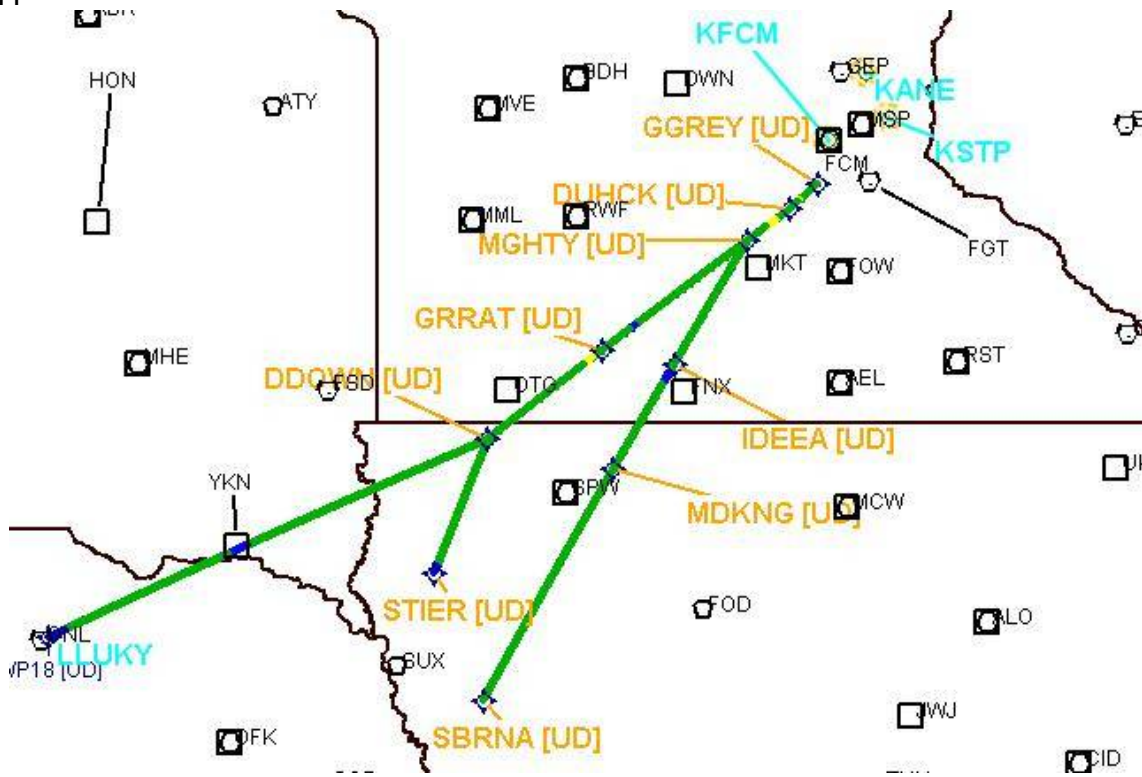
DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

DME Error



DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

Graphic Depiction 1



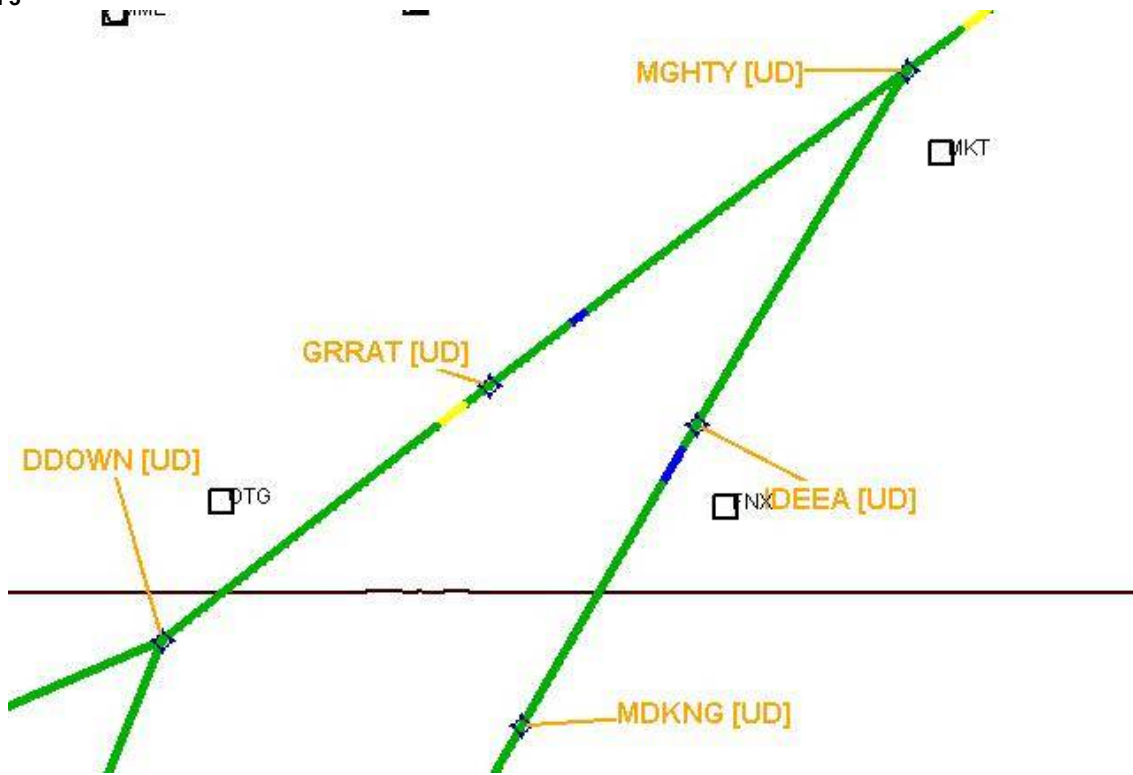
DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

Graphic Depiction 2



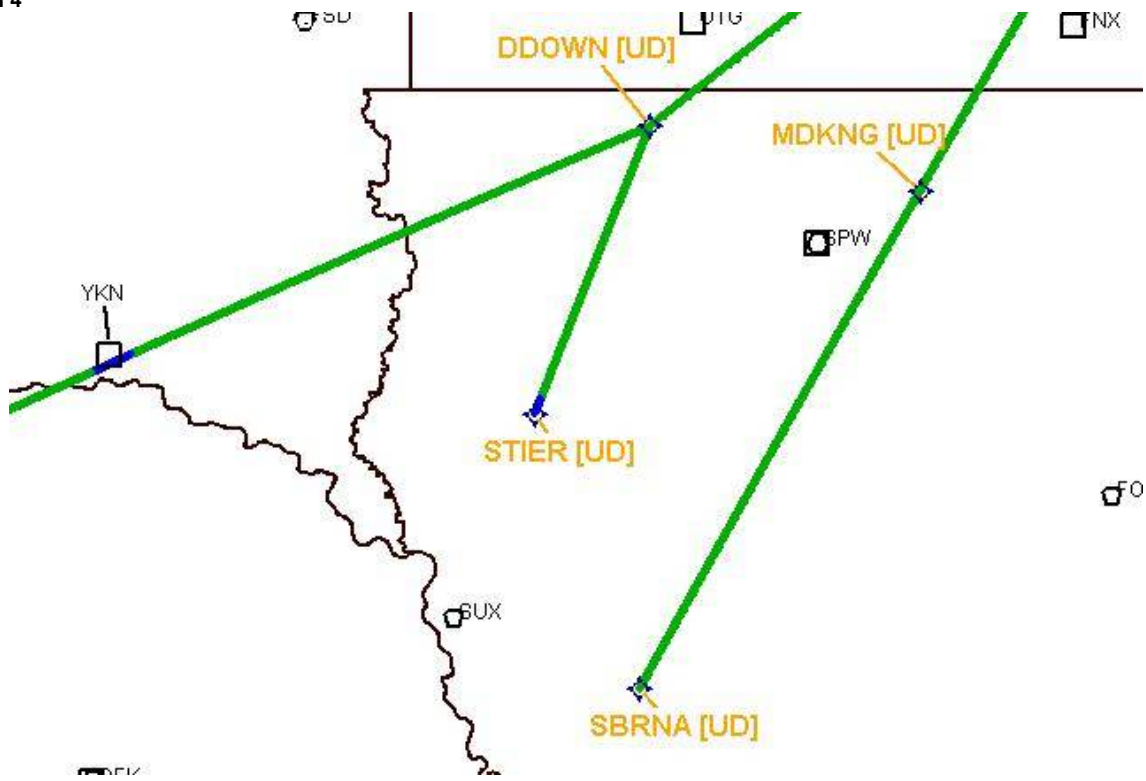
DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

Graphic Depiction 3



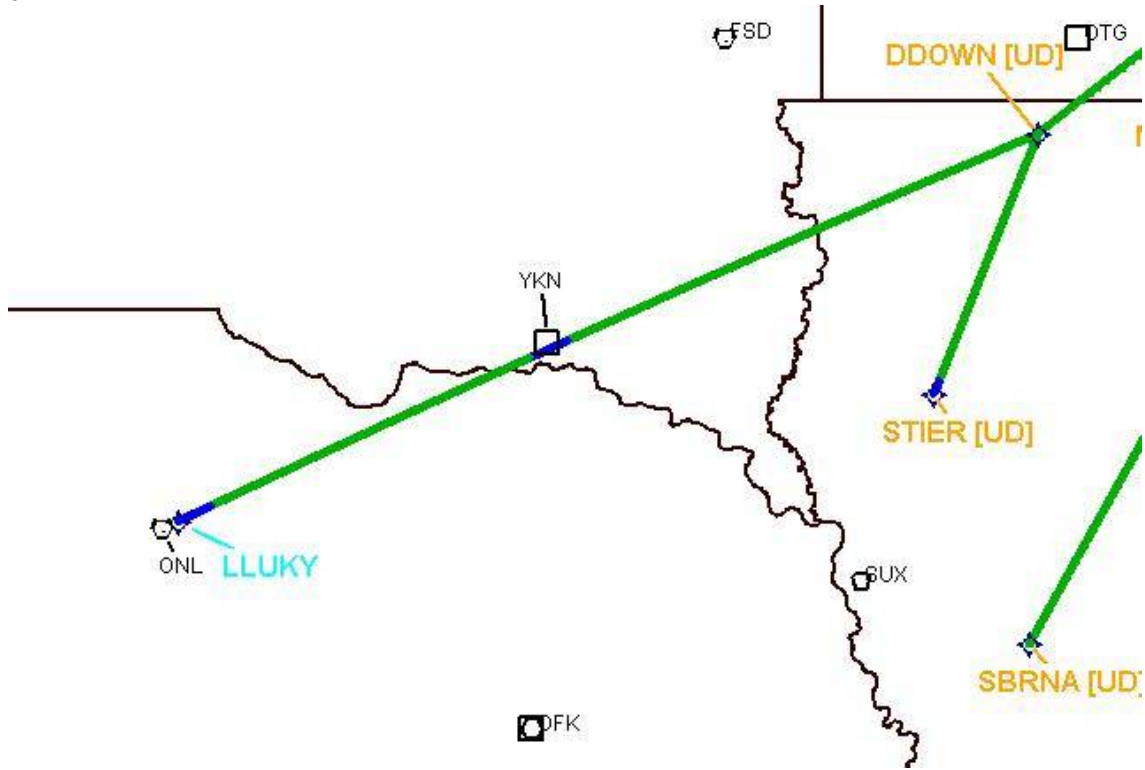
DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

Graphic Depiction 4



DME DME Assessment Results for DUHCK1 path GGREY_LLUKY

Graphic Depiction 5



DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

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\SIDS\KMSP DUHCK ONE SID\KMSP SID DUHCK ONE DME 20241202 (email).tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP\SIDS\KMSP DUHCK ONE SID\KFCM [IFPA] DUHCK1 20241204_1147 EST\MGHTY_SBRNA\KFCM DUHCK1 SID MGHTY SBRNA 20241204_1147 EST.pdf
Procedure Name:	DUHCK1
Software: DmeDmePlugin:	7.4.1
Date/Time:	12/04/2024 11:47 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
MGHTY	WP	N44° 21' 20.9681", W093° 59' 44.9253"	4000	VNAV	200	FLY_BY	TF
IDEEA	WP	N43° 46' 28.8539", W094° 28' 54.7262"	6000	VNAV	200	FLY_BY	TF
MDKNG	WP	N43° 16' 51.5831", W094° 53' 09.9401"	10000	VNAV	200	FLY_BY	TF
SBRNA	WP	N42° 11' 36.5015", W095° 44' 59.9659"	12000	VNAV	240	FLY_BY	TF

Flyability	
Flight Type:	SID
Selected Airport:	KFCM [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 DUHCK1 path MGHTY_SBRNA

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	RWF	N44° 28' 02.1854", W095° 07' 41.6276"	7.0 E	130	DH		NO	Enabled	78.6 %	78.5 %
2	FNX	N43° 38' 15.9200", W094° 24' 47.5100"	0.0 E	130	DH		NO	Enabled	93.1 %	93.1 %
3	FCM	N44° 49' 31.2603", W093° 26' 33.6793"	1.0 E	40	L		NO	Enabled	1.6 %	1.6 %
4	FSD	N43° 38' 58.1657", W096° 46' 52.0501"	9.0 E	130	H		NO	Enabled	34.3 %	34.3 %
5	MKT	N44° 13' 11.6641", W093° 54' 44.4827"	0.0 E	40	L		NO	Enabled	27.7 %	27.7 %
6	SUX	N42° 20' 40.2559", W096° 19' 25.1185"	9.0 E	40	L		NO	Enabled	13.8 %	13.9 %
7	SPW	N43° 09' 43.8365", W095° 12' 03.5706"	5.0 E	40	L		NO	Enabled	50.6 %	50.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FNX	RWF	FCM	MKT		
2.5	FNX	RWF	MKT			
12.2	FNX	RWF				
13.9	FNX	RWF	MKT			
33.8	RWF	MKT				
40.2	RWF	MKT	FNX			
43.5						
47.4	FNX	RWF				
50.3	SPW	RWF	FNX			
75.2	SPW	RWF	FSD	FNX		
84.2	SPW	RWF	FNX			
90.9	FNX	SPW	FSD	RWF		
122.4	FSD	FNX	SPW			
126.5	FSD	FNX				
129.8	FSD	SUX	FNX			
133.6	FNX	SUX				

DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

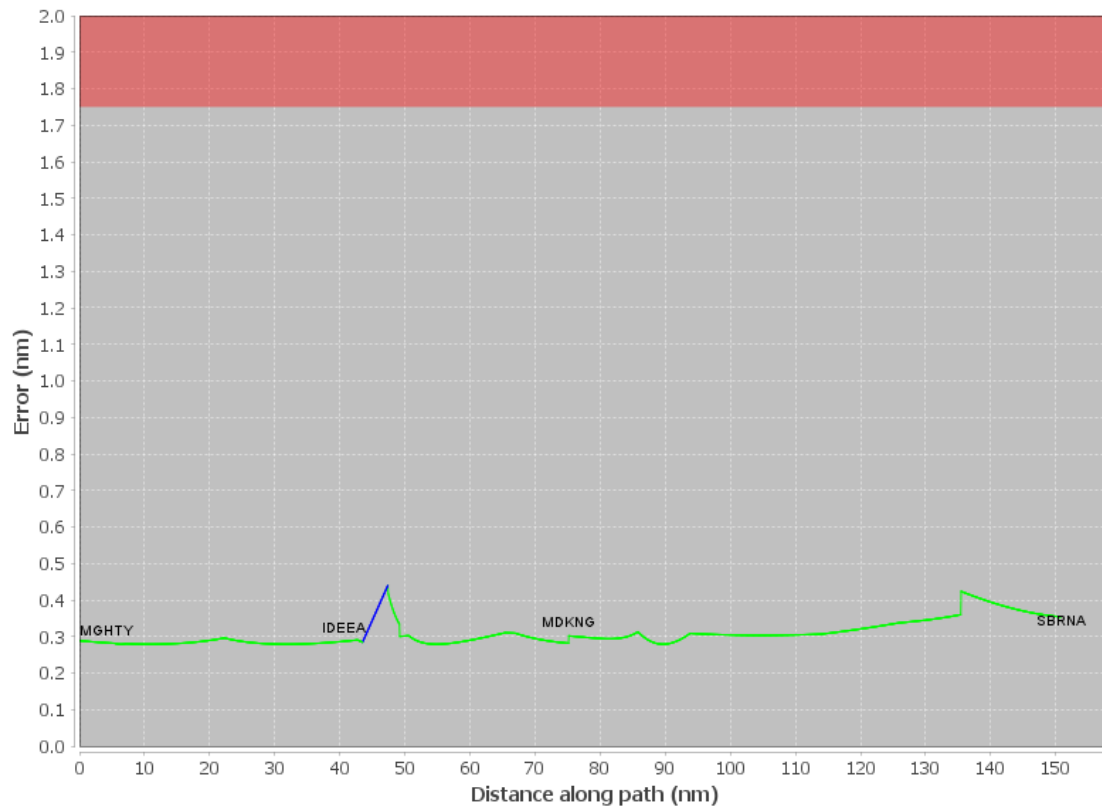
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N43° 44' 03.0951", W094° 30' 55.1350"	N43° 40' 42.9750", W094° 33' 40.1381"	3.886

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MGHTY	IDEEA	RWF, FNX, FCM, MKT	
IDEEA	MDKNG	RWF, FNX, FSD, MKT, SPW	
MDKNG	SBRNA	RWF, FNX, FSD, SUX, SPW	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV DWN [IFPA] DWN	N45° 05' 14.8650", W094° 27' 13.8590"	0.0 E	40	1130	109.0	ESV DWN [IFPA]	
ESV:		Bearing [True]: 115.0° to 133.0° Bearing [Mag]: 115.0° to 133.0°				Arc Distance: Out to 54.0 NM Altitude: 3500.0 to 8000.0 ft		
2	ESV OFK [IFPA] OFK	N41° 59' 16.5423", W097° 26' 04.4497"	8.0 E	40	1538.9	114.35	ESV OFK [IFPA]	
ESV:		Bearing [True]: 284.0° to 21.0° Bearing [Mag]: 276.0° to 13.0°				Arc Distance: Out to 72.0 NM Altitude: 8000.0 to 18000.0 ft		
3	ESV FSD [IFPA] FSD	N43° 38' 58.1657", W096° 46' 52.0501"	9.0 E	130	1570.5	115.0	ESV FSD [IFPA]	
ESV:		Bearing [True]: 101.0° to 144.0° Bearing [Mag]: 92.0° to 135.0°				Arc Distance: Out to 103.0 NM Altitude: 10000.0 to 18000.0 ft		

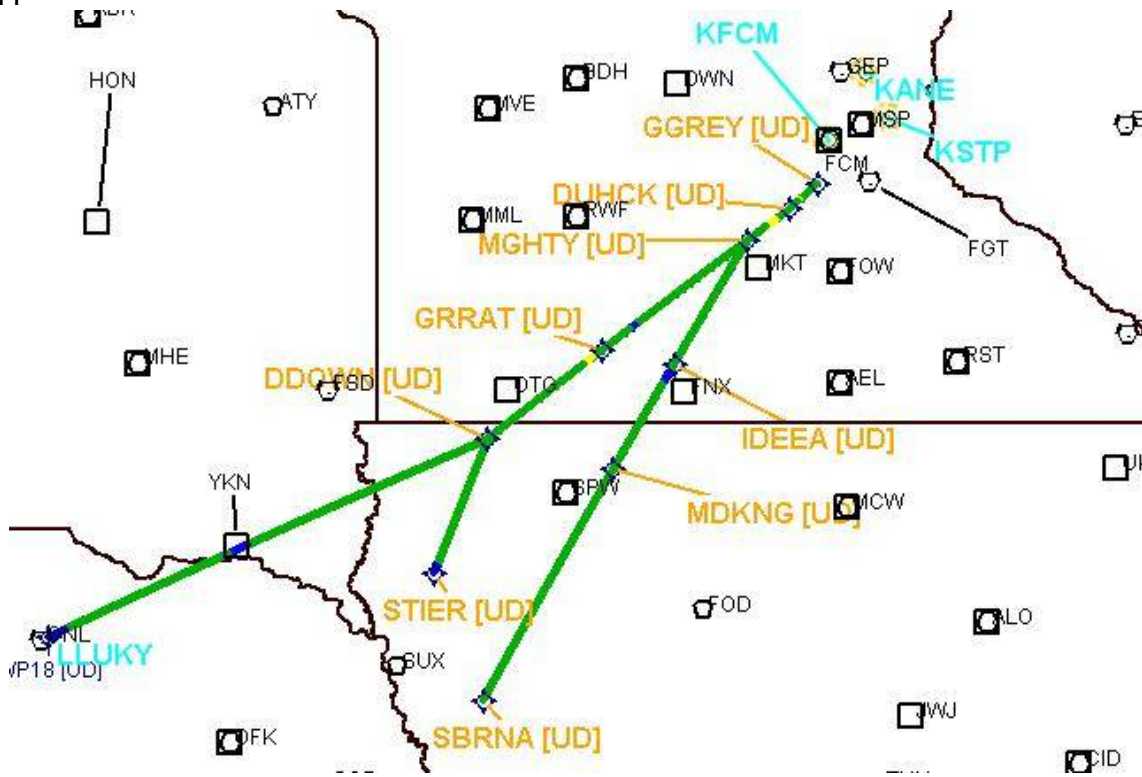
DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

DME Error



DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

Graphic Depiction 1



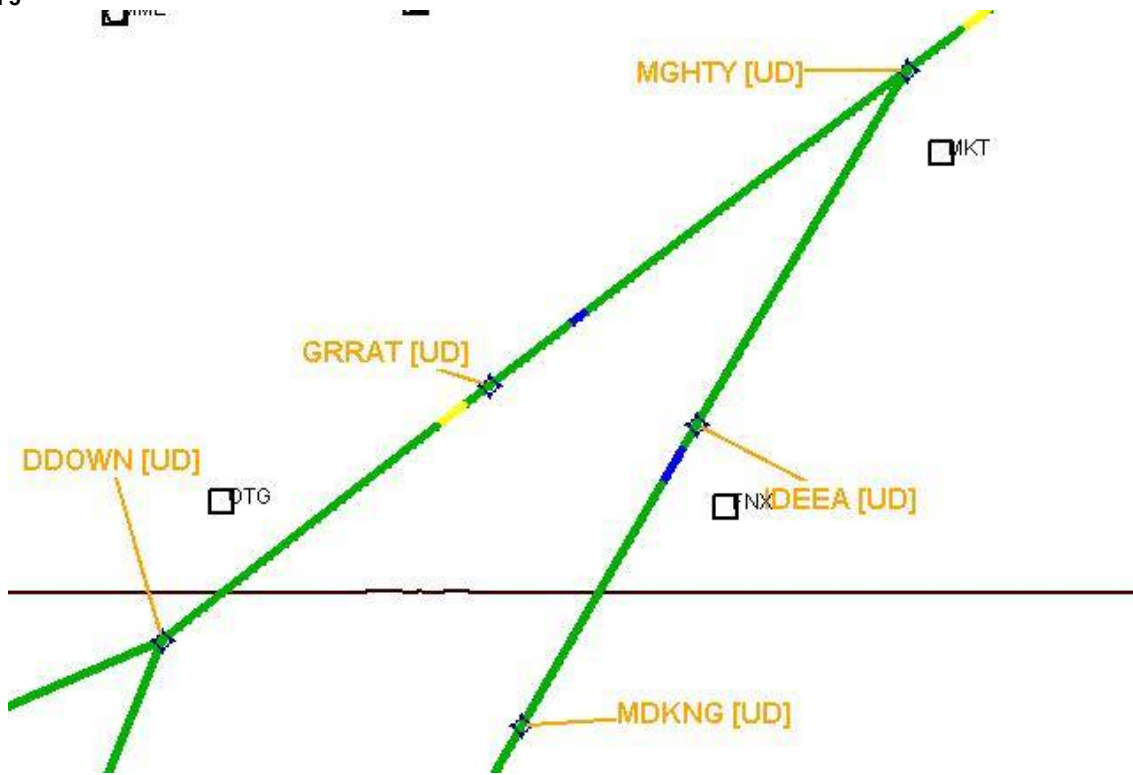
DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

Graphic Depiction 2



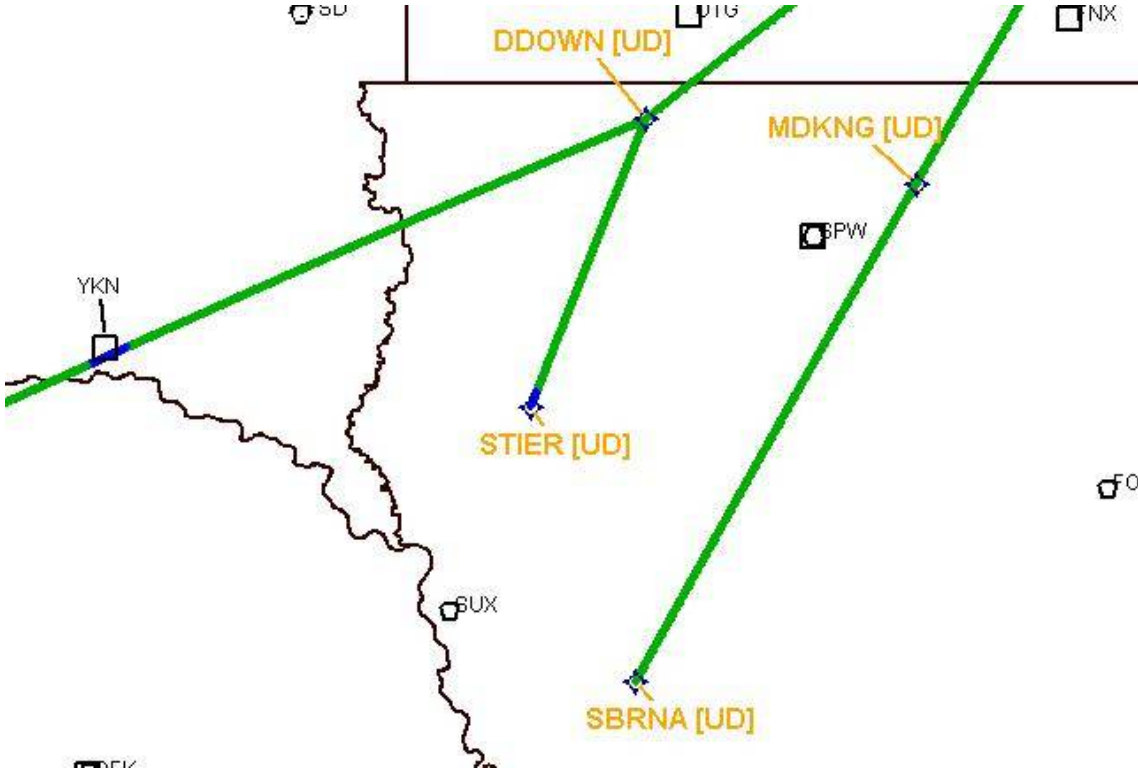
DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

Graphic Depiction 3



DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

Graphic Depiction 4



DME DME Assessment Results for DUHCK1 path MGHTY_SBRNA

Graphic Depiction 5

