

DME DME Assessment Results for RUGGD3 path BUBBY_KIERA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\Reference Files\MEA Audit RUGGD_SID_30700.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\KSLC [IFPA] RUGGD3 20220616_1301 MDT\BUBBY_KIERA\KSLC RUGGD3 SID BUBBY KIERA 20220616_1301 MDT.pdf
Procedure Name:	RUGGD3
Software: DmeDmePlugin:	6.5.0
Date/Time:	06/16/2022 13:01 MDT
Databases:	DTED Level 0 Max

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
BUBBY	WP	N41° 02' 53.82", W112° 00' 59.53"	11000	VNAV	200	FLY_BY	TF
RUGGD	WP	N41° 08' 08.31", W111° 46' 03.29"	12000	VNAV	240	FLY_BY	TF
LOFOG	WP	N40° 41' 35.71", W111° 24' 23.33"	15000	VNAV	240	FLY_BY	TF
LEGBE	WP	N40° 25' 11.00", W110° 28' 17.00"	18000	VNAV	240	FLY_BY	TF
KIERA	WP	N40° 14' 49.05", W109° 51' 28.00"	18000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSLC [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 RUGGD3 path BUBBY_KIERA

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
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	MLD	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	H	IFPA	NO	Enabled	21.5 %	21.9 %
2	OGD	N41° 13' 26.74", W112° 05' 53.67"	14.0 E	130	H	IFPA	NO	Enabled	4 %	3.4 %
3	MTU	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	H	IFPA	NO	Enabled	52.2 %	53.2 %
4	BVL	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	H	IFPA	NO	Enabled	21.5 %	21.6 %
5	TCH	N40° 51' 00.93", W111° 58' 54.86"	16.0 E	130	H	IFPA	NO	Enabled	8.8 %	7.5 %
6	FFU	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	H	IFPA	NO	Enabled	19.6 %	19.2 %
7	VEL	N40° 22' 43.98", W109° 29' 35.82"	15.0 E	40	L	IFPA	NO	Enabled	1.9 %	1.9 %
8	EVW	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	T	IFPA	NO	Enabled	12.5 %	10.8 %
9	FBR	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	L	IFPA	NO	Enabled	65.4 %	66.6 %
10	OCS	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	H	IFPA	NO	Enabled	21 %	21.4 %

DME DME Assessment Results for RUGGD3 path BUBBY_KIERA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	EVW	OGD	TCH	BVL		
2.3	EVW	OGD	TCH			
4.1	EVW	TCH				
6.7	FFU	EVW	TCH			
9.0	FFU	EVW				
13.0						
17.0	FFU	FBR				
20.5	FBR	MLD	FFU			
23.5	FBR	MLD	BVL	FFU		
28.4	FBR	MLD	BVL			
39.5	FBR	MLD	FFU	BVL		
39.9	FBR	MLD	BVL			
41.4	FBR	MLD	FFU	BVL		
43.7	FBR	MLD	BVL			
44.1	FBR	MLD	FFU	BVL		
44.6	MTU	FFU	FBR	MLD	BVL	
46.4	FBR	MTU	FFU	BVL		
46.6	FBR	MTU	FFU	MLD	BVL	
47.0	FBR	MTU				
80.3	FBR	MTU	OCS			
96.6	OCS	MTU				
106.0						
109.7	MTU	VEL				
112.1						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 07' 41.24", W111° 45' 41.02"	N41° 04' 18.20", W111° 42' 54.17"	3.9823
2	N40° 19' 29.69", W110° 07' 58.20"	N40° 18' 12.12", W110° 03' 23.46"	3.7333
3	N40° 17' 23.55", W110° 00' 31.84"	N40° 14' 49.05", W109° 51' 28.00"	7.4

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BUBBY	RUGGD	FFU, EVW, TCH, BVL, OGD	
RUGGD	LOFOG	FFU, MLD, EVW, FBR, BVL	
LOFOG	LEGBE	MLD, FFU, FBR, BVL, OCS, MTU	
LEGBE	KIERA	FBR, VEL, OCS, MTU	

User Data Files

#	File Name
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None	
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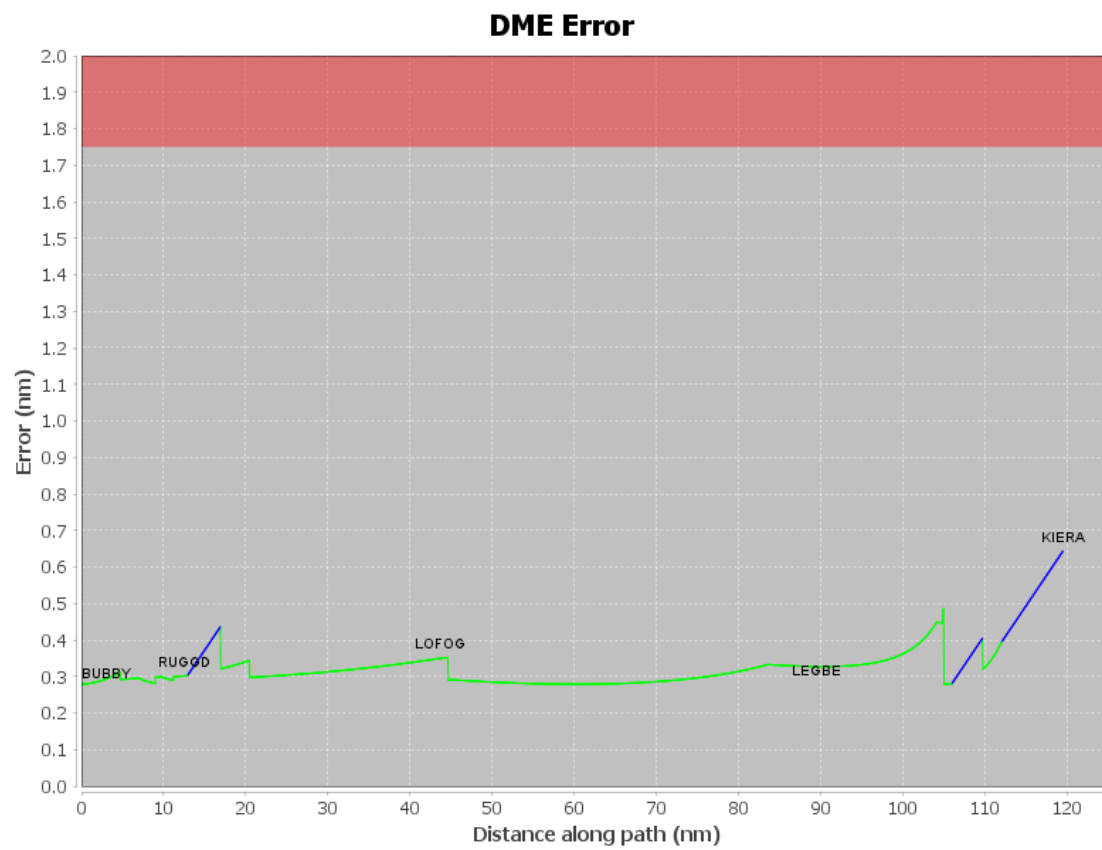
DME DME Assessment Results for RUGGD3 path BUBBY_KIERA

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BVL FAA 704097-35 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-35	
ESV:		Bearing [True]: 67.0 to 81.0 Bearing [Mag]: 55.0 to 69.0				Arc Distance: Out to 84.0 NM Altitude: 11000.0 to 20000.0 ft		
2	MLD FAA 704270-42 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-42	
ESV:		Bearing [True]: 144.0 to 160.0 Bearing [Mag]: 127.0 to 143.0				Arc Distance: Out to 89.0 NM Altitude: 13600.0 to 22000.0 ft		
3	MTU FAA 910280-14 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-14	
ESV:		Bearing [True]: 36.0 to 97.0 Bearing [Mag]: 22.0 to 83.0				Arc Distance: Out to 103.0 NM Altitude: 18900.0 to 24000.0 ft		
4	FFU FAA 701822-18 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-18	
ESV:		Bearing [True]: 1.0 to 27.0 Bearing [Mag]: 345.0 to 11.0				Arc Distance: Out to 57.0 NM Altitude: 11000.0 to 24000.0 ft		
5	CKW FAA 921975-8 CKW [IFPA]	N41° 45' 20.55", W107° 34' 55.14"	15.0 E	130	7050	115.0	CKW FAA 921975-8	
ESV:		Bearing [True]: 167.0 to 242.0 Bearing [Mag]: 152.0 to 227.0				Arc Distance: Out to 117.0 NM Altitude: 18900.0 to 26000.0 ft		
6	FBR FAA 703961-20 FBR [IFPA]	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	7057.5	108.6	FBR FAA 703961-20	
ESV:		Bearing [True]: 159.0 to 258.0 Bearing [Mag]: 145.0 to 244.0				Arc Distance: Out to 65.0 NM Altitude: 11800.0 to 26000.0 ft		
7	FFU FAA 701822-20 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-20	
ESV:		Bearing [True]: 6.0 to 16.0 Bearing [Mag]: 350.0 to 360.0				Arc Distance: Out to 89.0 NM Altitude: 15100.0 to 24000.0 ft		
8	MLD FAA 704270-39 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-39	
ESV:		Bearing [True]: 78.0 to 155.0 Bearing [Mag]: 61.0 to 138.0				Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 22000.0 ft		
9	BVL FAA 704097-38 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-38	
ESV:		Bearing [True]: 74.0 to 94.0 Bearing [Mag]: 62.0 to 82.0				Arc Distance: Out to 116.0 NM Altitude: 17100.0 to 24000.0 ft		
10	BVL FAA 704097-37 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-37	
ESV:		Bearing [True]: 74.0 to 85.0 Bearing [Mag]: 62.0 to 73.0				Arc Distance: Out to 106.0 NM Altitude: 14200.0 to 24000.0 ft		
11	EVW FAA 160071-1 EVW [IFPA]	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	7145	109.6	EVW FAA 160071-1	
ESV:		Bearing [True]: 247.0 to 264.0 Bearing [Mag]: 234.0 to 251.0				Arc Distance: Out to 47.0 NM Altitude: 10900.0 to 12100.0 ft		
12	JNC FAA 704099-35 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-35	
ESV:		Bearing [True]: 314.0 to 4.0 Bearing [Mag]: 299.0 to 349.0				Arc Distance: Out to 115.0 NM Altitude: 18900.0 to 26000.0 ft		
13	OCS FAA 960852-15 OCS [IFPA]	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	6785	116.0	OCS FAA 960852-15	
ESV:		Bearing [True]: 209.0 to 250.0 Bearing [Mag]: 196.0 to 237.0				Arc Distance: Out to 105.0 NM Altitude: 17400.0 to 26000.0 ft		
14	BPI FAA 820683-11 BPI [IFPA]	N42° 34' 46.01", W110° 06' 33.17"	16.0 E	130	6952.2	116.5	BPI FAA 820683-11	
ESV:		Bearing [True]: 137.0 to 206.0 Bearing [Mag]: 121.0 to 190.0				Arc Distance: Out to 98.0 NM Altitude: 17900.0 to 22000.0 ft		
15	BVL FAA 704097-36 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-36	
ESV:		Bearing [True]: 67.0 to 98.0 Bearing [Mag]: 55.0 to 86.0				Arc Distance: Out to 111.0 NM Altitude: 15000.0 to 24000.0 ft		
16	MTU FAA 910280-15 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-15	
ESV:		Bearing [True]: 294.0 to 348.0 Bearing [Mag]: 280.0 to 334.0				Arc Distance: Out to 66.0 NM Altitude: 14600.0 to 20000.0 ft		
17	JNC FAA 704099-34 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-34	

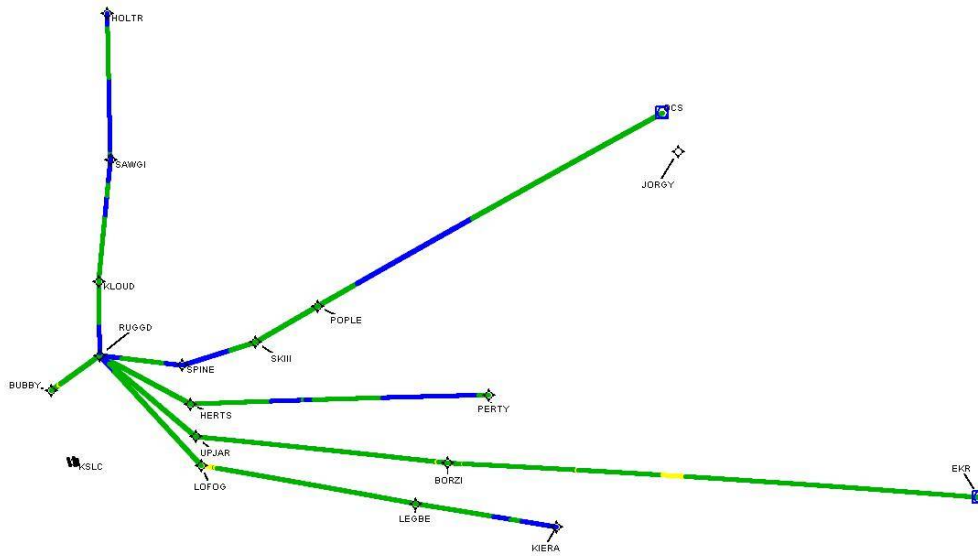
DME DME Assessment Results for RUGGD3 path BUBBY_KIERA

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 356.0 to 37.0 Bearing [Mag]: 341.0 to 22.0				Arc Distance: Out to 77.0 NM Altitude: 18900.0 to 22000.0 ft		
18	MLD FAA 704270-40 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-40	
ESV:		Bearing [True]: 127.0 to 160.0 Bearing [Mag]: 110.0 to 143.0				Arc Distance: Out to 105.0 NM Altitude: 14100.0 to 26000.0 ft		
19	MLD FAA 704270-41 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-41	
ESV:		Bearing [True]: 137.0 to 160.0 Bearing [Mag]: 120.0 to 143.0				Arc Distance: Out to 97.0 NM Altitude: 16000.0 to 22000.0 ft		
20	EKR FAA 702014-19 EKR [IFPA]	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	7629.6	115.2	EKR FAA 702014-19	
ESV:		Bearing [True]: 288.0 to 346.0 Bearing [Mag]: 273.0 to 331.0				Arc Distance: Out to 113.0 NM Altitude: 18700.0 to 26000.0 ft		
21	FFU FAA 701822-25 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-25	
ESV:		Bearing [True]: 4.0 to 14.0 Bearing [Mag]: 348.0 to 358.0				Arc Distance: Out to 82.0 NM Altitude: 13000.0 to 15200.0 ft		

DME DME Assessment Results for RUGGD3 path BUBBY_KIERA

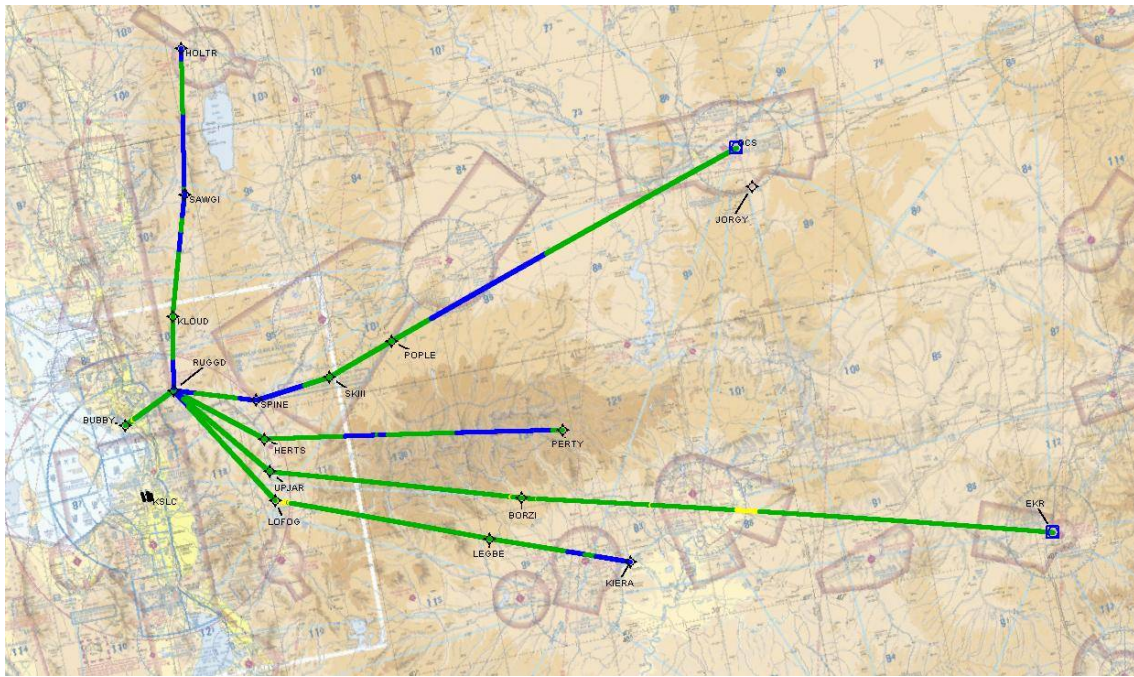


Graphic Depiction 1



DME DME Assessment Results for RUGGD3 path BUBBY_KIERA

Graphic Depiction 2



DME DME Assessment Results for RUGGD3 path RUGGD_EKR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\Reference Files\MEA Audit RUGGD_SID_30700.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\KSLC [IFPA] RUGGD3 20220616_1301 MDT\RUGGD_EKR\KSLC RUGGD3 SID RUGGD EKR 20220616_1301 MDT.pdf
Procedure Name:	RUGGD3
Software: DmeDmePlugin:	6.5.0
Date/Time:	06/16/2022 13:01 MDT
Databases:	DTED Level 0 Max

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
RUGGD	WP	N41° 08' 08.31", W111° 46' 03.29"	12000	VNAV	240	FLY_BY	TF
UPJAR	WP	N40° 47' 41.03", W111° 24' 20.68"	17000	VNAV	240	FLY_BY	TF
BORZI	WP	N40° 32' 14.46", W110° 17' 25.61"	19000	VNAV	260	FLY_BY	TF
EKR	WP	N40° 04' 02.79", W107° 55' 29.82"	19000	VNAV	260	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSLC [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 RUGGD3 path RUGGD_EKR

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
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	MLD	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	H	IFPA	NO	Enabled	14.3 %	13.6 %
2	MTU	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	H	IFPA	NO	Enabled	82.5 %	83.3 %
3	CKW	N41° 45' 20.55", W107° 34' 55.14"	15.0 E	130	H	IFPA	NO	Enabled	33.8 %	34.9 %
4	EKR	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	H	IFPA	NO	Enabled	18.6 %	19.2 %
5	BVL	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	H	IFPA	NO	Enabled	12.8 %	12.2 %
6	FFU	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	H	IFPA	NO	Enabled	7.2 %	6.9 %
7	VEL	N40° 22' 43.98", W109° 29' 35.82"	15.0 E	40	L	IFPA	NO	Enabled	30.4 %	31.4 %
8	EVW	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	T	IFPA	NO	Enabled	0.3 %	0.2 %
9	JNC	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	H	IFPA	NO	Enabled	56.9 %	58.8 %
10	FBR	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	L	IFPA	NO	Enabled	48.1 %	46.5 %
11	OCS	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	H	IFPA	NO	Enabled	25 %	24.6 %

DME DME Assessment Results for RUGGD3 path RUGGD_EKR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FFU	EVW				
0.5						
2.6	FFU	FBR				
8.0	FBR	MLD	FFU			
11.0	FBR	MLD	BVL	FFU		
15.4	FBR	MLD	BVL			
32.0	FBR	MTU	MLD	BVL		
34.2	FBR	MTU	BVL			
34.5	FBR	MTU				
49.2	FBR	MTU	OCS			
77.1	FBR	VEL	OCS	MTU	JNC	
77.4	FBR	VEL	OCS	MTU		
79.1	FBR	VEL	MTU	OCS	JNC	
82.8	JNC	OCS	MTU	FBR		
84.6	MTU	VEL	FBR	OCS	JNC	
91.7	MTU	VEL	OCS	JNC		
96.4	MTU	VEL	JNC			
106.9	JNC	MTU				
124.6	JNC	MTU	VEL	CKW		
151.8	JNC	MTU	VEL	EKR	CKW	
157.1	JNC	MTU	EKR	CKW		
188.7	JNC	MTU	CKW			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 07' 43.47", W111° 45' 36.75"	N41° 06' 07.20", W111° 43' 53.95"	2.0612

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
RUGGD	UPJAR	FFU, MLD, EVW, FBR, BVL	
UPJAR	BORZI	MLD, FBR, BVL, VEL, OCS, JNC, MTU	
BORZI	EKR	FBR, VEL, EKR, JNC, OCS, CKW, MTU	

User Data Files

#	File Name
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None	
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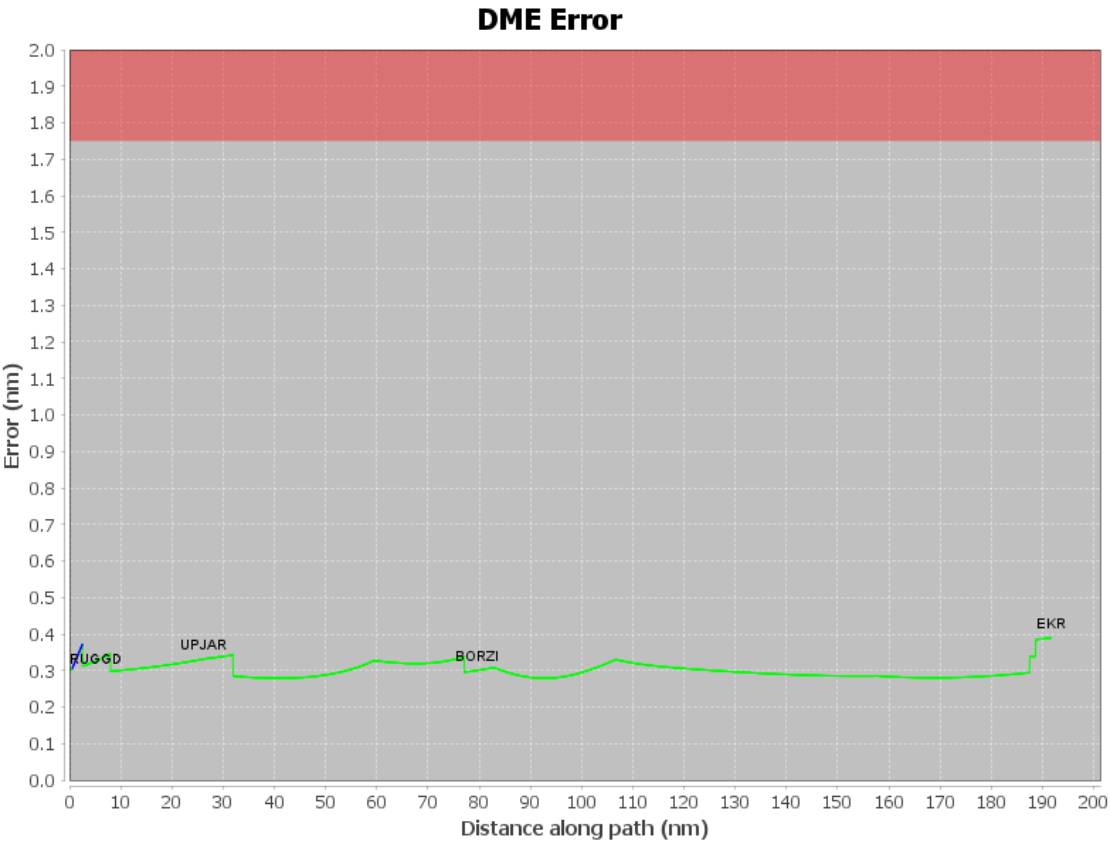
DME DME Assessment Results for RUGGD3 path RUGGD_EKR

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BVL FAA 704097-35 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-35	
ESV:		Bearing [True]: 67.0 to 81.0 Bearing [Mag]: 55.0 to 69.0				Arc Distance: Out to 84.0 NM Altitude: 11000.0 to 20000.0 ft		
2	MLD FAA 704270-42 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-42	
ESV:		Bearing [True]: 144.0 to 160.0 Bearing [Mag]: 127.0 to 143.0				Arc Distance: Out to 89.0 NM Altitude: 13600.0 to 22000.0 ft		
3	MTU FAA 910280-14 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-14	
ESV:		Bearing [True]: 36.0 to 97.0 Bearing [Mag]: 22.0 to 83.0				Arc Distance: Out to 103.0 NM Altitude: 18900.0 to 24000.0 ft		
4	FFU FAA 701822-18 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-18	
ESV:		Bearing [True]: 1.0 to 27.0 Bearing [Mag]: 345.0 to 11.0				Arc Distance: Out to 57.0 NM Altitude: 11000.0 to 24000.0 ft		
5	CKW FAA 921975-8 CKW [IFPA]	N41° 45' 20.55", W107° 34' 55.14"	15.0 E	130	7050	115.0	CKW FAA 921975-8	
ESV:		Bearing [True]: 167.0 to 242.0 Bearing [Mag]: 152.0 to 227.0				Arc Distance: Out to 117.0 NM Altitude: 18900.0 to 26000.0 ft		
6	FBR FAA 703961-20 FBR [IFPA]	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	7057.5	108.6	FBR FAA 703961-20	
ESV:		Bearing [True]: 159.0 to 258.0 Bearing [Mag]: 145.0 to 244.0				Arc Distance: Out to 65.0 NM Altitude: 11800.0 to 26000.0 ft		
7	FFU FAA 701822-20 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-20	
ESV:		Bearing [True]: 6.0 to 16.0 Bearing [Mag]: 350.0 to 360.0				Arc Distance: Out to 89.0 NM Altitude: 15100.0 to 24000.0 ft		
8	MLD FAA 704270-39 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-39	
ESV:		Bearing [True]: 78.0 to 155.0 Bearing [Mag]: 61.0 to 138.0				Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 22000.0 ft		
9	BVL FAA 704097-38 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-38	
ESV:		Bearing [True]: 74.0 to 94.0 Bearing [Mag]: 62.0 to 82.0				Arc Distance: Out to 116.0 NM Altitude: 17100.0 to 24000.0 ft		
10	BVL FAA 704097-37 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-37	
ESV:		Bearing [True]: 74.0 to 85.0 Bearing [Mag]: 62.0 to 73.0				Arc Distance: Out to 106.0 NM Altitude: 14200.0 to 24000.0 ft		
11	EVW FAA 160071-1 EVW [IFPA]	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	7145	109.6	EVW FAA 160071-1	
ESV:		Bearing [True]: 247.0 to 264.0 Bearing [Mag]: 234.0 to 251.0				Arc Distance: Out to 47.0 NM Altitude: 10900.0 to 12100.0 ft		
12	JNC FAA 704099-35 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-35	
ESV:		Bearing [True]: 314.0 to 4.0 Bearing [Mag]: 299.0 to 349.0				Arc Distance: Out to 115.0 NM Altitude: 18900.0 to 26000.0 ft		
13	OCS FAA 960852-15 OCS [IFPA]	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	6785	116.0	OCS FAA 960852-15	
ESV:		Bearing [True]: 209.0 to 250.0 Bearing [Mag]: 196.0 to 237.0				Arc Distance: Out to 105.0 NM Altitude: 17400.0 to 26000.0 ft		
14	BPI FAA 820683-11 BPI [IFPA]	N42° 34' 46.01", W110° 06' 33.17"	16.0 E	130	6952.2	116.5	BPI FAA 820683-11	
ESV:		Bearing [True]: 137.0 to 206.0 Bearing [Mag]: 121.0 to 190.0				Arc Distance: Out to 98.0 NM Altitude: 17900.0 to 22000.0 ft		
15	BVL FAA 704097-36 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-36	
ESV:		Bearing [True]: 67.0 to 98.0 Bearing [Mag]: 55.0 to 86.0				Arc Distance: Out to 111.0 NM Altitude: 15000.0 to 24000.0 ft		
16	MTU FAA 910280-15 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-15	
ESV:		Bearing [True]: 294.0 to 348.0 Bearing [Mag]: 280.0 to 334.0				Arc Distance: Out to 66.0 NM Altitude: 14600.0 to 20000.0 ft		
17	JNC FAA 704099-34 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-34	

DME DME Assessment Results for RUGGD3 path RUGGD_EKR

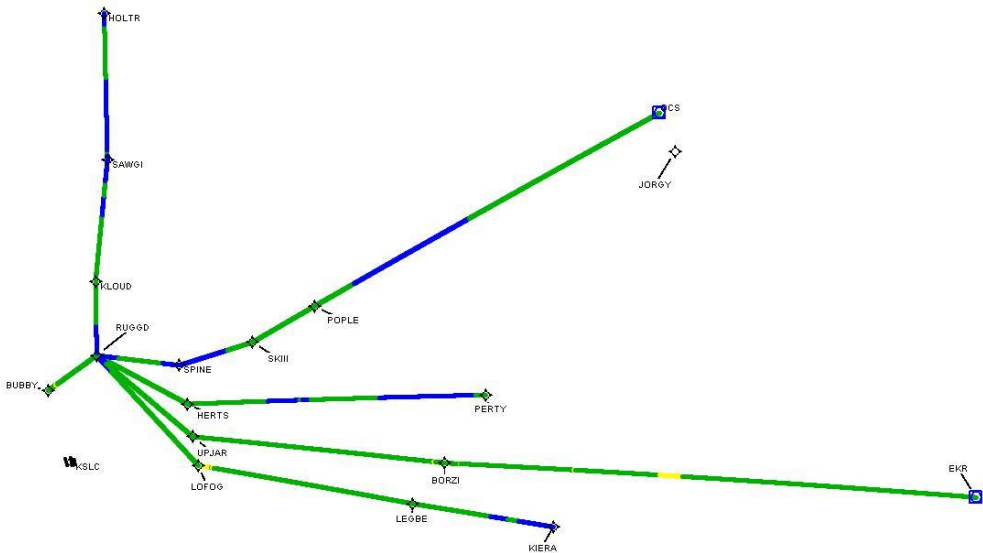
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 356.0 to 37.0 Bearing [Mag]: 341.0 to 22.0				Arc Distance: Out to 77.0 NM Altitude: 18900.0 to 22000.0 ft		
18	MLD FAA 704270-40 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-40	
ESV:		Bearing [True]: 127.0 to 160.0 Bearing [Mag]: 110.0 to 143.0				Arc Distance: Out to 105.0 NM Altitude: 14100.0 to 26000.0 ft		
19	MLD FAA 704270-41 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-41	
ESV:		Bearing [True]: 137.0 to 160.0 Bearing [Mag]: 120.0 to 143.0				Arc Distance: Out to 97.0 NM Altitude: 16000.0 to 22000.0 ft		
20	EKR FAA 702014-19 EKR [IFPA]	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	7629.6	115.2	EKR FAA 702014-19	
ESV:		Bearing [True]: 288.0 to 346.0 Bearing [Mag]: 273.0 to 331.0				Arc Distance: Out to 113.0 NM Altitude: 18700.0 to 26000.0 ft		
21	FFU FAA 701822-25 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-25	
ESV:		Bearing [True]: 4.0 to 14.0 Bearing [Mag]: 348.0 to 358.0				Arc Distance: Out to 82.0 NM Altitude: 13000.0 to 15200.0 ft		

DME DME Assessment Results for RUGGD3 path RUGGD_EKR



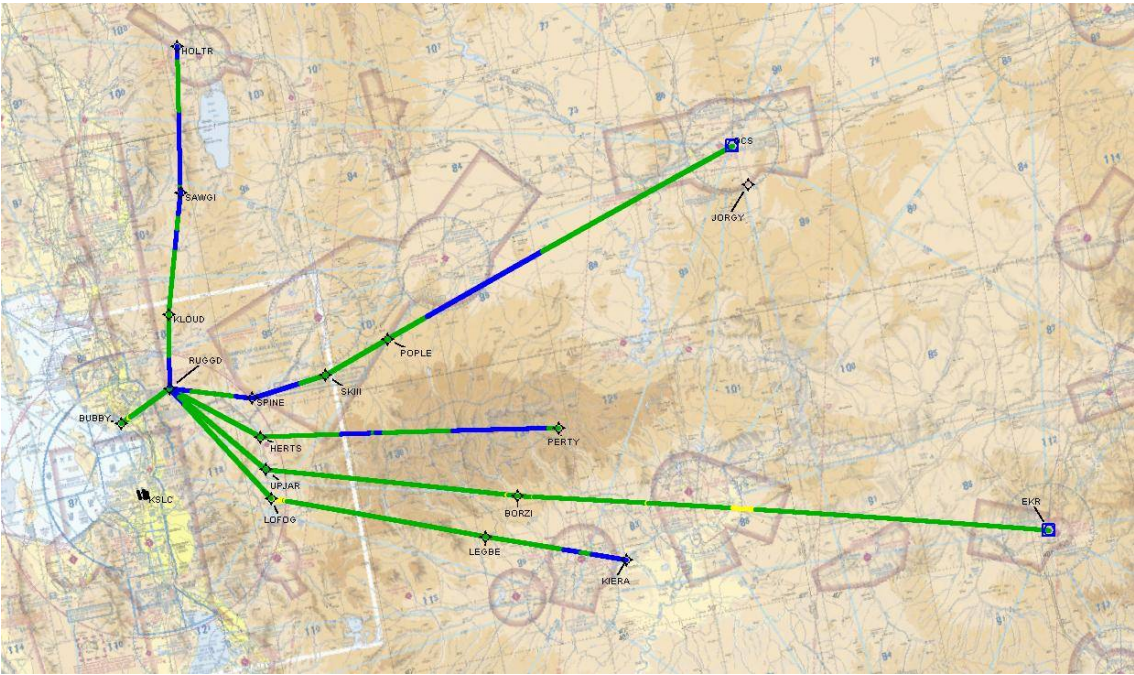
DME DME Assessment Results for RUGGD3 path RUGGD_EKR

Graphic Depiction 1



DME DME Assessment Results for RUGGD3 path RUGGD_EKR

Graphic Depiction 2



DME DME Assessment Results for RUGGD3 path RUGGD_HOLTR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\Reference Files\MEA Audit RUGGD_SID_30700.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\KSLC [IFPA] RUGGD3 20220616_1301 MDT\RUGGD_HOLTR\KSLC RUGGD3 SID RUGGD HOLTR 20220616_1301 MDT.pdf
Procedure Name:	RUGGD3
Software: DmeDmePlugin:	6.5.0
Date/Time:	06/16/2022 13:01 MDT
Databases:	DTED Level 0 Max

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
RUGGD	WP	N41° 08' 08.31", W111° 46' 03.29"	12000	VNAV	240	FLY_BY	TF
KLOUD	WP	N41° 23' 22.23", W111° 42' 27.02"	13000	VNAV	240	FLY_BY	TF
SAWGI	WP	N41° 47' 45.46", W111° 32' 51.50"	16000	VNAV	240	FLY_BY	TF
HOLTR	WP	N42° 18' 00.00", W111° 26' 00.00"	16000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSLC [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 RUGGD3 path RUGGD_HOLTR

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
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	MLD	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	H	IFPA	NO	Enabled	51.9 %	51.9 %
2	FFU	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	H	IFPA	NO	Enabled	36.4 %	36.4 %
3	EVW	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	T	IFPA	NO	Enabled	0.6 %	0.6 %
4	LHO	N41° 47' 34.37", W112° 00' 35.20"	14.0 E	40	L	IFPA	NO	Enabled	24.8 %	24.8 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FFU	EVW				
0.5						
6.8	FFU	MLD				
16.4	FFU	MLD	LHO			
19.6	FFU	MLD				
29.4						
33.3	FFU	LHO	MLD			
36.4						
42.3	MLD	LHO				
42.9						
57.9	MLD	LHO				
69.1						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 08' 39.42", W111° 45' 55.96"	N41° 14' 50.17", W111° 44' 28.40"	6.2758
2	N41° 36' 42.91", W111° 37' 13.04"	N41° 40' 28.88", W111° 35' 44.01"	3.9254
3	N41° 43' 28.89", W111° 34' 32.97"	N41° 49' 12.26", W111° 32' 31.97"	5.9252
4	N41° 49' 43.82", W111° 32' 24.86"	N42° 04' 35.36", W111° 29' 03.29"	15.0627
5	N42° 15' 34.07", W111° 26' 33.34"	N42° 18' 00.00", W111° 26' 00.00"	2.466

DME DME Assessment Results for RUGGD3 path RUGGD_HOLTR

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
RUGGD	KLOUD	FFU, MLD, EVW	
KLOUD	SAWGI	LHO, FFU, MLD	
SAWGI	HOLTR	LHO, MLD	

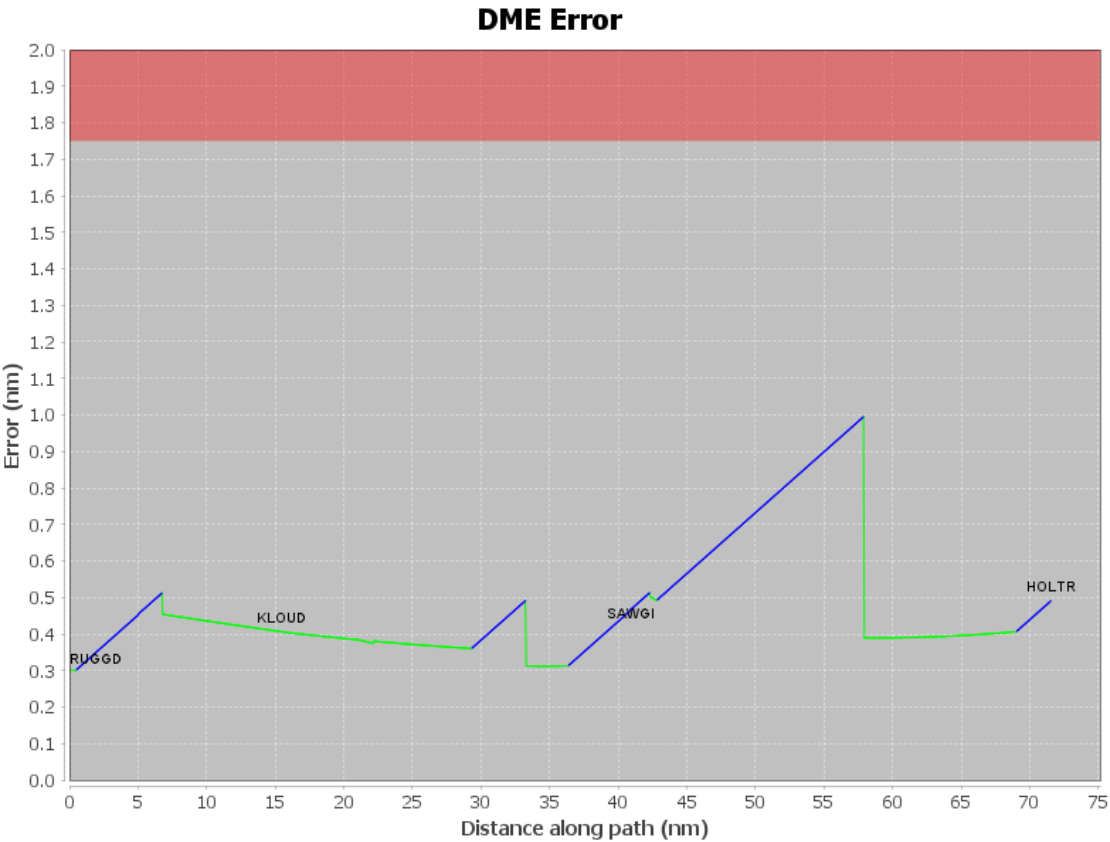
User Data Files	
#	File Name
None	

DME DME Assessment Results for RUGGD3 path RUGGD_HOLTR

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BVL FAA 704097-35 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-35	
ESV:		Bearing [True]: 67.0 to 81.0 Bearing [Mag]: 55.0 to 69.0				Arc Distance: Out to 84.0 NM Altitude: 11000.0 to 20000.0 ft		
2	MLD FAA 704270-42 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-42	
ESV:		Bearing [True]: 144.0 to 160.0 Bearing [Mag]: 127.0 to 143.0				Arc Distance: Out to 89.0 NM Altitude: 13600.0 to 22000.0 ft		
3	MTU FAA 910280-14 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-14	
ESV:		Bearing [True]: 36.0 to 97.0 Bearing [Mag]: 22.0 to 83.0				Arc Distance: Out to 103.0 NM Altitude: 18900.0 to 24000.0 ft		
4	FFU FAA 701822-18 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-18	
ESV:		Bearing [True]: 1.0 to 27.0 Bearing [Mag]: 345.0 to 11.0				Arc Distance: Out to 57.0 NM Altitude: 11000.0 to 24000.0 ft		
5	CKW FAA 921975-8 CKW [IFPA]	N41° 45' 20.55", W107° 34' 55.14"	15.0 E	130	7050	115.0	CKW FAA 921975-8	
ESV:		Bearing [True]: 167.0 to 242.0 Bearing [Mag]: 152.0 to 227.0				Arc Distance: Out to 117.0 NM Altitude: 18900.0 to 26000.0 ft		
6	FBR FAA 703961-20 FBR [IFPA]	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	7057.5	108.6	FBR FAA 703961-20	
ESV:		Bearing [True]: 159.0 to 258.0 Bearing [Mag]: 145.0 to 244.0				Arc Distance: Out to 65.0 NM Altitude: 11800.0 to 26000.0 ft		
7	FFU FAA 701822-20 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-20	
ESV:		Bearing [True]: 6.0 to 16.0 Bearing [Mag]: 350.0 to 360.0				Arc Distance: Out to 89.0 NM Altitude: 15100.0 to 24000.0 ft		
8	MLD FAA 704270-39 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-39	
ESV:		Bearing [True]: 78.0 to 155.0 Bearing [Mag]: 61.0 to 138.0				Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 22000.0 ft		
9	BVL FAA 704097-38 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-38	
ESV:		Bearing [True]: 74.0 to 94.0 Bearing [Mag]: 62.0 to 82.0				Arc Distance: Out to 116.0 NM Altitude: 17100.0 to 24000.0 ft		
10	BVL FAA 704097-37 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-37	
ESV:		Bearing [True]: 74.0 to 85.0 Bearing [Mag]: 62.0 to 73.0				Arc Distance: Out to 106.0 NM Altitude: 14200.0 to 24000.0 ft		
11	EVW FAA 160071-1 EVW [IFPA]	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	7145	109.6	EVW FAA 160071-1	
ESV:		Bearing [True]: 247.0 to 264.0 Bearing [Mag]: 234.0 to 251.0				Arc Distance: Out to 47.0 NM Altitude: 10900.0 to 12100.0 ft		
12	JNC FAA 704099-35 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-35	
ESV:		Bearing [True]: 314.0 to 4.0 Bearing [Mag]: 299.0 to 349.0				Arc Distance: Out to 115.0 NM Altitude: 18900.0 to 26000.0 ft		
13	OCS FAA 960852-15 OCS [IFPA]	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	6785	116.0	OCS FAA 960852-15	
ESV:		Bearing [True]: 209.0 to 250.0 Bearing [Mag]: 196.0 to 237.0				Arc Distance: Out to 105.0 NM Altitude: 17400.0 to 26000.0 ft		
14	BPI FAA 820683-11 BPI [IFPA]	N42° 34' 46.01", W110° 06' 33.17"	16.0 E	130	6952.2	116.5	BPI FAA 820683-11	
ESV:		Bearing [True]: 137.0 to 206.0 Bearing [Mag]: 121.0 to 190.0				Arc Distance: Out to 98.0 NM Altitude: 17900.0 to 22000.0 ft		
15	BVL FAA 704097-36 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-36	
ESV:		Bearing [True]: 67.0 to 98.0 Bearing [Mag]: 55.0 to 86.0				Arc Distance: Out to 111.0 NM Altitude: 15000.0 to 24000.0 ft		
16	MTU FAA 910280-15 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-15	
ESV:		Bearing [True]: 294.0 to 348.0 Bearing [Mag]: 280.0 to 334.0				Arc Distance: Out to 66.0 NM Altitude: 14600.0 to 20000.0 ft		
17	JNC FAA 704099-34 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-34	

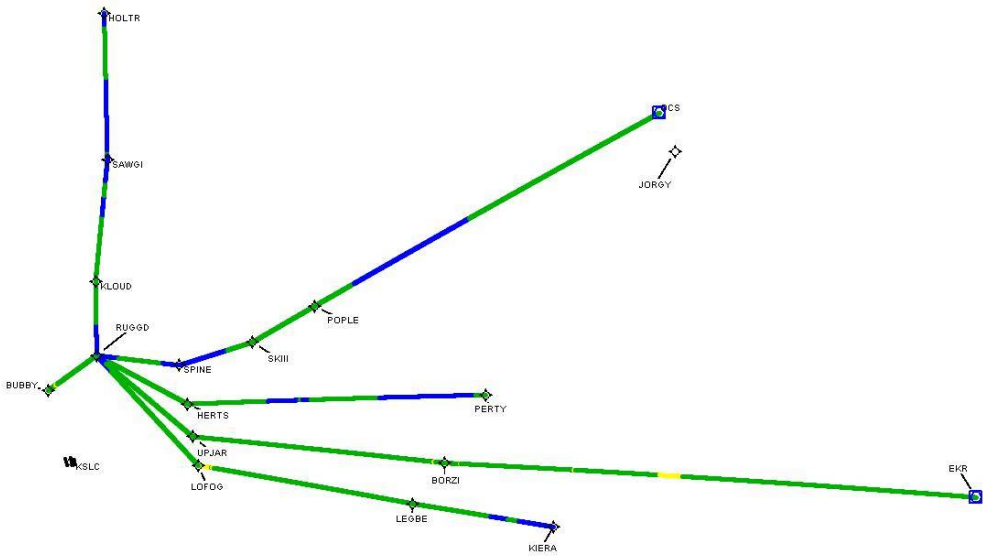
DME DME Assessment Results for RUGGD3 path RUGGD_HOLTR

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 356.0 to 37.0 Bearing [Mag]: 341.0 to 22.0				Arc Distance: Out to 77.0 NM Altitude: 18900.0 to 22000.0 ft		
18	MLD FAA 704270-40 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-40	
ESV:		Bearing [True]: 127.0 to 160.0 Bearing [Mag]: 110.0 to 143.0				Arc Distance: Out to 105.0 NM Altitude: 14100.0 to 26000.0 ft		
19	MLD FAA 704270-41 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-41	
ESV:		Bearing [True]: 137.0 to 160.0 Bearing [Mag]: 120.0 to 143.0				Arc Distance: Out to 97.0 NM Altitude: 16000.0 to 22000.0 ft		
20	EKR FAA 702014-19 EKR [IFPA]	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	7629.6	115.2	EKR FAA 702014-19	
ESV:		Bearing [True]: 288.0 to 346.0 Bearing [Mag]: 273.0 to 331.0				Arc Distance: Out to 113.0 NM Altitude: 18700.0 to 26000.0 ft		
21	FFU FAA 701822-25 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-25	
ESV:		Bearing [True]: 4.0 to 14.0 Bearing [Mag]: 348.0 to 358.0				Arc Distance: Out to 82.0 NM Altitude: 13000.0 to 15200.0 ft		



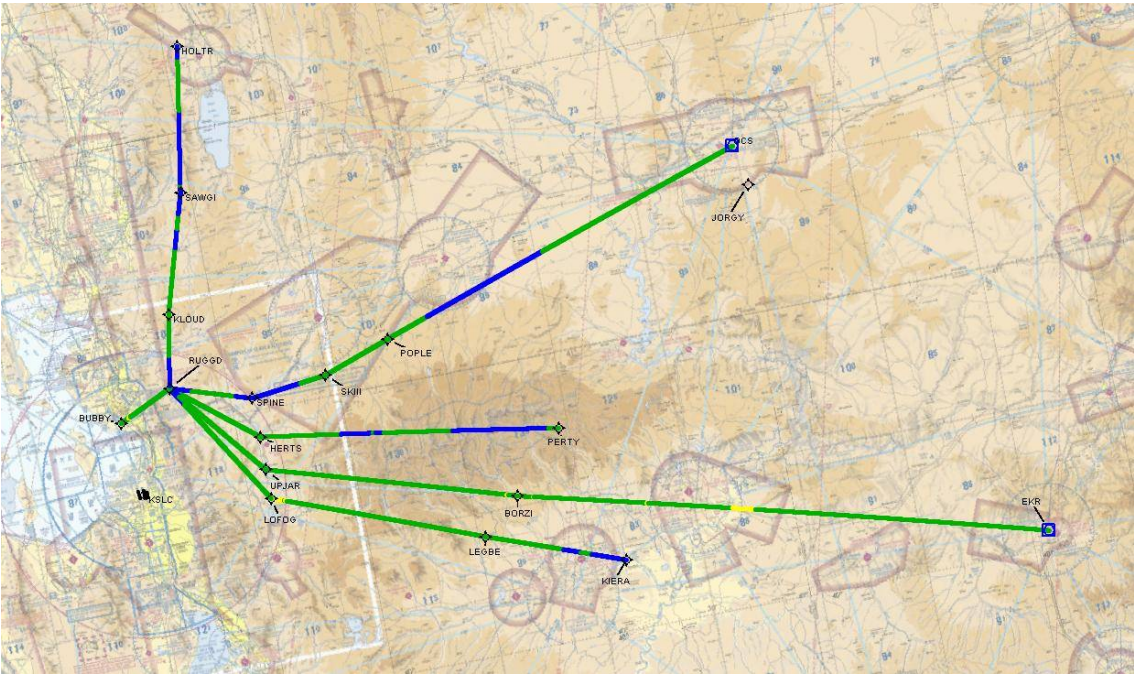
DME DME Assessment Results for RUGGD3 path RUGGD_HOLTR

Graphic Depiction 1



DME DME Assessment Results for RUGGD3 path RUGGD_HOLTR

Graphic Depiction 2



DME DME Assessment Results for RUGGD3 path RUGGD_OCS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\Reference Files\MEA Audit RUGGD_SID_30700.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\KSLC [IFPA] RUGGD3 20220616_1301 MDT\RUGGD_OCS\KSLC RUGGD3 SID RUGGD OCS 20220616_1301 MDT.pdf
Procedure Name:	RUGGD3
Software: DmeDmePlugin:	6.5.0
Date/Time:	06/16/2022 13:01 MDT
Databases:	DTED Level 0 Max

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
RUGGD	WP	N41° 08' 08.31", W111° 46' 03.29"	12000	VNAV	240	FLY_BY	TF
SPINE	WP	N41° 02' 49.69", W111° 24' 14.45"	13000	VNAV	240	FLY_BY	TF
SKIII	WP	N41° 04' 38.90", W111° 03' 13.58"	14000	VNAV	240	FLY_BY	TF
POPLE	WP	N41° 09' 34.97", W110° 44' 25.49"	17000	VNAV	240	FLY_BY	TF
OCS	WP	N41° 35' 24.76", W109° 00' 55.18"	19000	VNAV	260	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSLC [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 RUGGD3 path RUGGD_OCS

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
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	MLD	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	H	IFPA	NO	Enabled	11.4 %	11.4 %
2	RIW	N43° 03' 56.63", W108° 27' 19.92"	10.0 E	130	DH	IFPA	NO	Enabled	21.1 %	21.1 %
3	BPI	N42° 34' 46.01", W110° 06' 33.17"	16.0 E	130	H	IFPA	NO	Enabled	34.6 %	34.6 %
4	EKR	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	H	IFPA	NO	Enabled	9.4 %	9.4 %
5	FFU	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	H	IFPA	NO	Enabled	7.4 %	7.4 %
6	EVW	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	T	IFPA	NO	Enabled	23.2 %	23.2 %
7	FBR	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	L	IFPA	NO	Enabled	44.5 %	44.5 %
8	OCS	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	H	IFPA	NO	Enabled	27.7 %	27.7 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FFU	EVW				
0.5						
4.6	FFU	FBR				
13.9						
27.8	FBR	EVW				
33.9	MLD	FBR	EVW			
48.8	FBR	EVW				
57.6						
85.3	BPI	FBR				
90.6	BPI	FBR	OCS			
102.9	BPI	OCS	FBR	RIW		
104.5	BPI	OCS	RIW			
118.1	BPI	OCS	EKR	RIW		
126.9	BPI	RIW	EKR			

DME DME Assessment Results for RUGGD3 path RUGGD_OCS

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 07' 58.69", W111° 45' 23.48"	N41° 06' 44.03", W111° 40' 15.07"	4.0789
2	N41° 03' 53.73", W111° 28' 35.90"	N41° 04' 01.57", W111° 10' 29.76"	13.9219
3	N41° 12' 34.47", W110° 32' 48.93"	N41° 21' 24.66", W109° 57' 57.97"	27.7177

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
RUGGD	SPINE	FFU, EVW, FBR	
SPINE	SKIII	FBR, EVW	
SKIII	POPLE	MLD, FBR, EVW	
POPLE	OCS	RIW, MLD, FBR, EVW, BPI, EKR, OCS	

User Data Files

#	File Name
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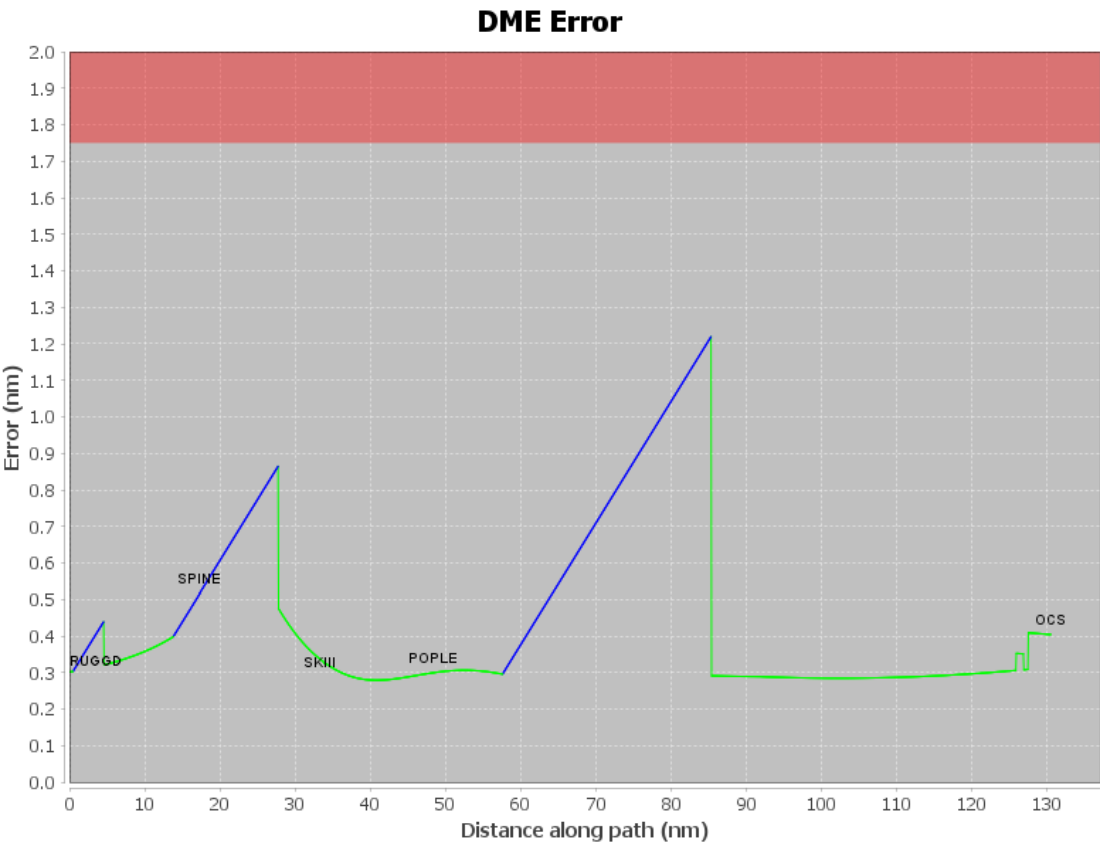
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DME DME Assessment Results for RUGGD3 path RUGGD_OCS

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BVL FAA 704097-35 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-35	
ESV:		Bearing [True]: 67.0 to 81.0 Bearing [Mag]: 55.0 to 69.0				Arc Distance: Out to 84.0 NM Altitude: 11000.0 to 20000.0 ft		
2	MLD FAA 704270-42 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-42	
ESV:		Bearing [True]: 144.0 to 160.0 Bearing [Mag]: 127.0 to 143.0				Arc Distance: Out to 89.0 NM Altitude: 13600.0 to 22000.0 ft		
3	MTU FAA 910280-14 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-14	
ESV:		Bearing [True]: 36.0 to 97.0 Bearing [Mag]: 22.0 to 83.0				Arc Distance: Out to 103.0 NM Altitude: 18900.0 to 24000.0 ft		
4	FFU FAA 701822-18 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-18	
ESV:		Bearing [True]: 1.0 to 27.0 Bearing [Mag]: 345.0 to 11.0				Arc Distance: Out to 57.0 NM Altitude: 11000.0 to 24000.0 ft		
5	CKW FAA 921975-8 CKW [IFPA]	N41° 45' 20.55", W107° 34' 55.14"	15.0 E	130	7050	115.0	CKW FAA 921975-8	
ESV:		Bearing [True]: 167.0 to 242.0 Bearing [Mag]: 152.0 to 227.0				Arc Distance: Out to 117.0 NM Altitude: 18900.0 to 26000.0 ft		
6	FBR FAA 703961-20 FBR [IFPA]	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	7057.5	108.6	FBR FAA 703961-20	
ESV:		Bearing [True]: 159.0 to 258.0 Bearing [Mag]: 145.0 to 244.0				Arc Distance: Out to 65.0 NM Altitude: 11800.0 to 26000.0 ft		
7	FFU FAA 701822-20 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-20	
ESV:		Bearing [True]: 6.0 to 16.0 Bearing [Mag]: 350.0 to 360.0				Arc Distance: Out to 89.0 NM Altitude: 15100.0 to 24000.0 ft		
8	MLD FAA 704270-39 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-39	
ESV:		Bearing [True]: 78.0 to 155.0 Bearing [Mag]: 61.0 to 138.0				Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 22000.0 ft		
9	BVL FAA 704097-38 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-38	
ESV:		Bearing [True]: 74.0 to 94.0 Bearing [Mag]: 62.0 to 82.0				Arc Distance: Out to 116.0 NM Altitude: 17100.0 to 24000.0 ft		
10	BVL FAA 704097-37 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-37	
ESV:		Bearing [True]: 74.0 to 85.0 Bearing [Mag]: 62.0 to 73.0				Arc Distance: Out to 106.0 NM Altitude: 14200.0 to 24000.0 ft		
11	EVW FAA 160071-1 EVW [IFPA]	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	7145	109.6	EVW FAA 160071-1	
ESV:		Bearing [True]: 247.0 to 264.0 Bearing [Mag]: 234.0 to 251.0				Arc Distance: Out to 47.0 NM Altitude: 10900.0 to 12100.0 ft		
12	JNC FAA 704099-35 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-35	
ESV:		Bearing [True]: 314.0 to 4.0 Bearing [Mag]: 299.0 to 349.0				Arc Distance: Out to 115.0 NM Altitude: 18900.0 to 26000.0 ft		
13	OCS FAA 960852-15 OCS [IFPA]	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	6785	116.0	OCS FAA 960852-15	
ESV:		Bearing [True]: 209.0 to 250.0 Bearing [Mag]: 196.0 to 237.0				Arc Distance: Out to 105.0 NM Altitude: 17400.0 to 26000.0 ft		
14	BPI FAA 820683-11 BPI [IFPA]	N42° 34' 46.01", W110° 06' 33.17"	16.0 E	130	6952.2	116.5	BPI FAA 820683-11	
ESV:		Bearing [True]: 137.0 to 206.0 Bearing [Mag]: 121.0 to 190.0				Arc Distance: Out to 98.0 NM Altitude: 17900.0 to 22000.0 ft		
15	BVL FAA 704097-36 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-36	
ESV:		Bearing [True]: 67.0 to 98.0 Bearing [Mag]: 55.0 to 86.0				Arc Distance: Out to 111.0 NM Altitude: 15000.0 to 24000.0 ft		
16	MTU FAA 910280-15 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-15	
ESV:		Bearing [True]: 294.0 to 348.0 Bearing [Mag]: 280.0 to 334.0				Arc Distance: Out to 66.0 NM Altitude: 14600.0 to 20000.0 ft		
17	JNC FAA 704099-34 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-34	

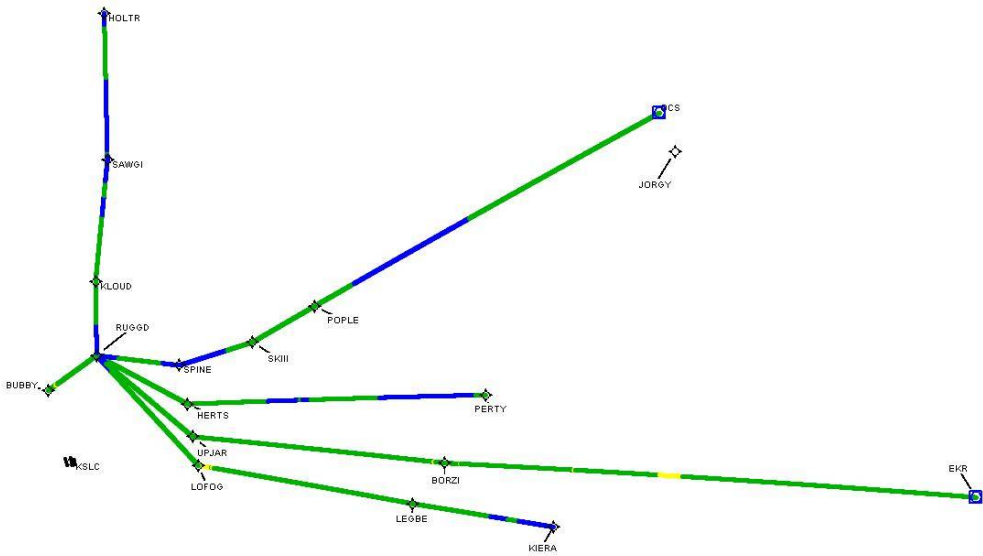
DME DME Assessment Results for RUGGD3 path RUGGD_OCS

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 356.0 to 37.0 Bearing [Mag]: 341.0 to 22.0				Arc Distance: Out to 77.0 NM Altitude: 18900.0 to 22000.0 ft		
18	MLD FAA 704270-40 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-40	
ESV:		Bearing [True]: 127.0 to 160.0 Bearing [Mag]: 110.0 to 143.0				Arc Distance: Out to 105.0 NM Altitude: 14100.0 to 26000.0 ft		
19	MLD FAA 704270-41 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-41	
ESV:		Bearing [True]: 137.0 to 160.0 Bearing [Mag]: 120.0 to 143.0				Arc Distance: Out to 97.0 NM Altitude: 16000.0 to 22000.0 ft		
20	EKR FAA 702014-19 EKR [IFPA]	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	7629.6	115.2	EKR FAA 702014-19	
ESV:		Bearing [True]: 288.0 to 346.0 Bearing [Mag]: 273.0 to 331.0				Arc Distance: Out to 113.0 NM Altitude: 18700.0 to 26000.0 ft		
21	FFU FAA 701822-25 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-25	
ESV:		Bearing [True]: 4.0 to 14.0 Bearing [Mag]: 348.0 to 358.0				Arc Distance: Out to 82.0 NM Altitude: 13000.0 to 15200.0 ft		



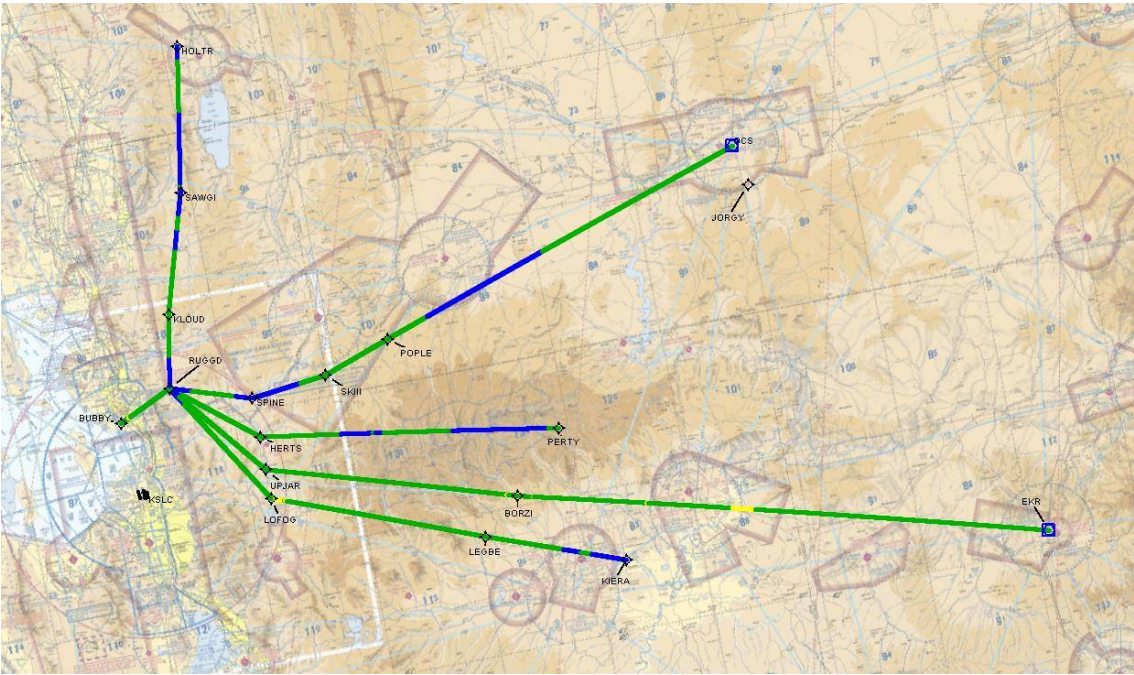
DME DME Assessment Results for RUGGD3 path RUGGD_OCS

Graphic Depiction 1



DME DME Assessment Results for RUGGD3 path RUGGD_OCS

Graphic Depiction 2



DME DME Assessment Results for RUGGD3 path RUGGD_PARTY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\Reference Files\MEA Audit RUGGD_SID_30700.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SLC\30700 RUGGD SID\Submission Package\20220616\KSLC [IFPA] RUGGD3 20220616_1301 MDT\RUGGD_PARTY\KSLC RUGGD3 SID RUGGD PARTY 20220616_1301 MDT.pdf
Procedure Name:	RUGGD3
Software: DmeDmePlugin:	6.5.0
Date/Time:	06/16/2022 13:01 MDT
Databases:	DTED Level 0 Max

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
RUGGD	WP	N41° 08' 08.31", W111° 46' 03.29"	12000	VNAV	240	FLY_BY	TF
HERTS	WP	N40° 54' 34.17", W111° 24' 00.26"	15000	VNAV	240	FLY_BY	TF
PARTY	WP	N40° 44' 34.77", W110° 02' 51.12"	16000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSLC [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 RUGGD3 path RUGGD_PARTY

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
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	MLD	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	H	IFPA	NO	Enabled	36.1 %	36.1 %
2	MTU	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	H	IFPA	NO	Enabled	20.2 %	20.2 %
3	BVL	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	H	IFPA	NO	Enabled	15.4 %	15.4 %
4	FFU	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	H	IFPA	NO	Enabled	16.3 %	16.3 %
5	VEL	N40° 22' 43.98", W109° 29' 35.82"	15.0 E	40	L	IFPA	NO	Enabled	2.5 %	2.5 %
6	EVW	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	T	IFPA	NO	Enabled	0.6 %	0.6 %
7	FBR	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	L	IFPA	NO	Enabled	61.3 %	61.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FFU	EVW				
0.5						
1.7	FFU	FBR				
8.0	FBR	MLD	FFU			
11.0	FBR	MLD	BVL	FFU		
15.0	FBR	MLD	BVL			
24.0	FBR	MLD				
38.4						
44.9	FBR	MTU				
45.5						
47.3	FBR	MTU				
61.7						
81.8	MTU	VEL				

DME DME Assessment Results for RUGGD3 path RUGGD_PERTY

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N41° 07' 48.17", W111° 45' 30.37"	N41° 07' 02.85", W111° 44' 16.31"	1.2
2	N40° 51' 57.96", W111° 02' 03.16"	N40° 50' 56.33", W110° 53' 33.44"	6.5273
3	N40° 50' 50.64", W110° 52' 46.64"	N40° 50' 33.53", W110° 50' 26.26"	1.7983
4	N40° 48' 14.98", W110° 31' 43.95"	N40° 44' 56.18", W110° 05' 37.00"	20.1148

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
RUGGD	HERTS	FFU, MLD, EVW, FBR, BVL	
HERTS	PERTY	MLD, FBR, BVL, VEL, MTU	

User Data Files

#	File Name
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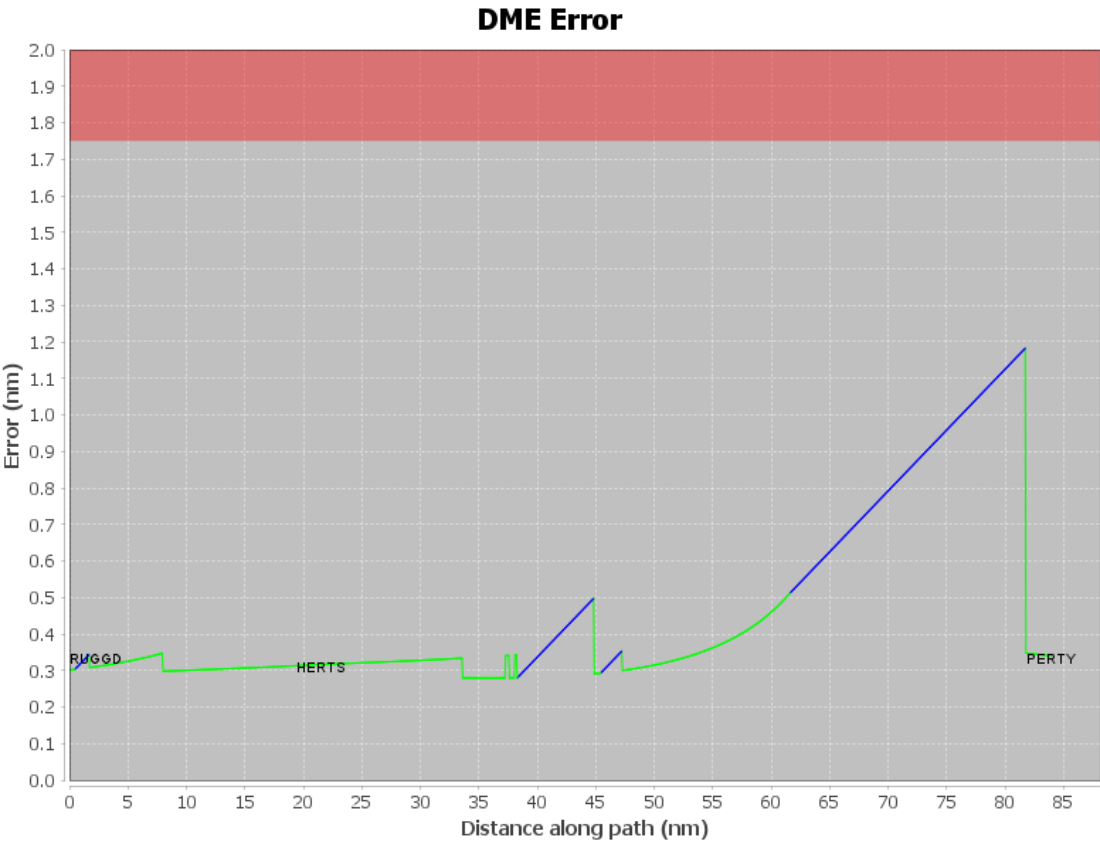
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DME DME Assessment Results for RUGGD3 path RUGGD_PERTY

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BVL FAA 704097-35 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-35	
ESV:		Bearing [True]: 67.0 to 81.0 Bearing [Mag]: 55.0 to 69.0				Arc Distance: Out to 84.0 NM Altitude: 11000.0 to 20000.0 ft		
2	MLD FAA 704270-42 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-42	
ESV:		Bearing [True]: 144.0 to 160.0 Bearing [Mag]: 127.0 to 143.0				Arc Distance: Out to 89.0 NM Altitude: 13600.0 to 22000.0 ft		
3	MTU FAA 910280-14 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-14	
ESV:		Bearing [True]: 36.0 to 97.0 Bearing [Mag]: 22.0 to 83.0				Arc Distance: Out to 103.0 NM Altitude: 18900.0 to 24000.0 ft		
4	FFU FAA 701822-18 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-18	
ESV:		Bearing [True]: 1.0 to 27.0 Bearing [Mag]: 345.0 to 11.0				Arc Distance: Out to 57.0 NM Altitude: 11000.0 to 24000.0 ft		
5	CKW FAA 921975-8 CKW [IFPA]	N41° 45' 20.55", W107° 34' 55.14"	15.0 E	130	7050	115.0	CKW FAA 921975-8	
ESV:		Bearing [True]: 167.0 to 242.0 Bearing [Mag]: 152.0 to 227.0				Arc Distance: Out to 117.0 NM Altitude: 18900.0 to 26000.0 ft		
6	FBR FAA 703961-20 FBR [IFPA]	N41° 22' 42.38", W110° 25' 26.62"	14.0 E	40	7057.5	108.6	FBR FAA 703961-20	
ESV:		Bearing [True]: 159.0 to 258.0 Bearing [Mag]: 145.0 to 244.0				Arc Distance: Out to 65.0 NM Altitude: 11800.0 to 26000.0 ft		
7	FFU FAA 701822-20 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-20	
ESV:		Bearing [True]: 6.0 to 16.0 Bearing [Mag]: 350.0 to 360.0				Arc Distance: Out to 89.0 NM Altitude: 15100.0 to 24000.0 ft		
8	MLD FAA 704270-39 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-39	
ESV:		Bearing [True]: 78.0 to 155.0 Bearing [Mag]: 61.0 to 138.0				Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 22000.0 ft		
9	BVL FAA 704097-38 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-38	
ESV:		Bearing [True]: 74.0 to 94.0 Bearing [Mag]: 62.0 to 82.0				Arc Distance: Out to 116.0 NM Altitude: 17100.0 to 24000.0 ft		
10	BVL FAA 704097-37 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-37	
ESV:		Bearing [True]: 74.0 to 85.0 Bearing [Mag]: 62.0 to 73.0				Arc Distance: Out to 106.0 NM Altitude: 14200.0 to 24000.0 ft		
11	EVW FAA 160071-1 EVW [IFPA]	N41° 16' 20.96", W111° 02' 48.36"	13.0 E	25	7145	109.6	EVW FAA 160071-1	
ESV:		Bearing [True]: 247.0 to 264.0 Bearing [Mag]: 234.0 to 251.0				Arc Distance: Out to 47.0 NM Altitude: 10900.0 to 12100.0 ft		
12	JNC FAA 704099-35 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-35	
ESV:		Bearing [True]: 314.0 to 4.0 Bearing [Mag]: 299.0 to 349.0				Arc Distance: Out to 115.0 NM Altitude: 18900.0 to 26000.0 ft		
13	OCS FAA 960852-15 OCS [IFPA]	N41° 35' 24.76", W109° 00' 55.18"	13.0 E	130	6785	116.0	OCS FAA 960852-15	
ESV:		Bearing [True]: 209.0 to 250.0 Bearing [Mag]: 196.0 to 237.0				Arc Distance: Out to 105.0 NM Altitude: 17400.0 to 26000.0 ft		
14	BPI FAA 820683-11 BPI [IFPA]	N42° 34' 46.01", W110° 06' 33.17"	16.0 E	130	6952.2	116.5	BPI FAA 820683-11	
ESV:		Bearing [True]: 137.0 to 206.0 Bearing [Mag]: 121.0 to 190.0				Arc Distance: Out to 98.0 NM Altitude: 17900.0 to 22000.0 ft		
15	BVL FAA 704097-36 BVL [IFPA]	N40° 43' 33.95", W113° 45' 26.70"	12.0 E	130	4220	112.3	BVL FAA 704097-36	
ESV:		Bearing [True]: 67.0 to 98.0 Bearing [Mag]: 55.0 to 86.0				Arc Distance: Out to 111.0 NM Altitude: 15000.0 to 24000.0 ft		
16	MTU FAA 910280-15 MTU [IFPA]	N40° 08' 56.74", W110° 07' 37.30"	14.0 E	130	5400.9	112.7	MTU FAA 910280-15	
ESV:		Bearing [True]: 294.0 to 348.0 Bearing [Mag]: 280.0 to 334.0				Arc Distance: Out to 66.0 NM Altitude: 14600.0 to 20000.0 ft		
17	JNC FAA 704099-34 JNC [IFPA]	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	7100	112.4	JNC FAA 704099-34	

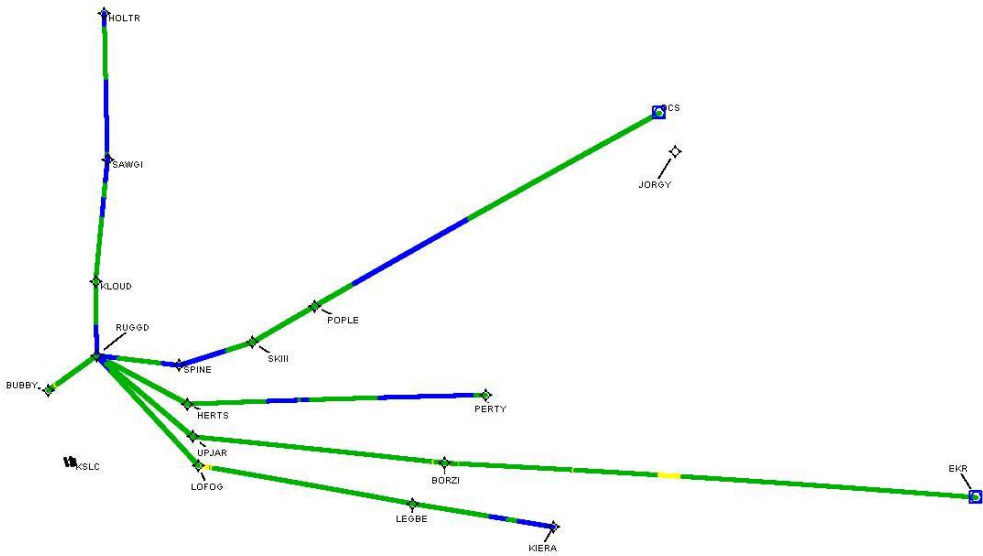
DME DME Assessment Results for RUGGD3 path RUGGD_PERTY

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
ESV:		Bearing [True]: 356.0 to 37.0 Bearing [Mag]: 341.0 to 22.0				Arc Distance: Out to 77.0 NM Altitude: 18900.0 to 22000.0 ft		
18	MLD FAA 704270-40 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-40	
ESV:		Bearing [True]: 127.0 to 160.0 Bearing [Mag]: 110.0 to 143.0				Arc Distance: Out to 105.0 NM Altitude: 14100.0 to 26000.0 ft		
19	MLD FAA 704270-41 MLD [IFPA]	N42° 11' 59.64", W112° 27' 04.45"	17.0 E	130	7330	117.4	MLD FAA 704270-41	
ESV:		Bearing [True]: 137.0 to 160.0 Bearing [Mag]: 120.0 to 143.0				Arc Distance: Out to 97.0 NM Altitude: 16000.0 to 22000.0 ft		
20	EKR FAA 702014-19 EKR [IFPA]	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	7629.6	115.2	EKR FAA 702014-19	
ESV:		Bearing [True]: 288.0 to 346.0 Bearing [Mag]: 273.0 to 331.0				Arc Distance: Out to 113.0 NM Altitude: 18700.0 to 26000.0 ft		
21	FFU FAA 701822-25 FFU [IFPA]	N40° 16' 29.62", W111° 56' 25.91"	16.0 E	130	7690	116.6	FFU FAA 701822-25	
ESV:		Bearing [True]: 4.0 to 14.0 Bearing [Mag]: 348.0 to 358.0				Arc Distance: Out to 82.0 NM Altitude: 13000.0 to 15200.0 ft		



DME DME Assessment Results for RUGGD3 path RUGGD_PERTY

Graphic Depiction 1



DME DME Assessment Results for RUGGD3 path RUGGD_PARTY

Graphic Depiction 2

