

DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF OUTLA1 (RNAV) STAR DME DME 20250210.tgs
Output File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF [IFPA] OUTLA1 20250210_0951 EST\COLIN_OUTLA\KORF OUTLA1 RNAV STAR COLIN OUTLA 20250210_0951 EST.pdf
Procedure Name:	OUTLA1
Software: DmeDmePlugin:	7.4.1
Date/Time:	02/10/2025 09:51 EST
Databases:	DTED3

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
COLIN	WP	N38° 05' 59.23", W076° 39' 50.85"	5000	VNAV	200	FLY_BY	TF
FAGED	WP	N37° 51' 07.69", W076° 40' 55.91"	5000	VNAV	200	FLY_BY	TF
CORET	WP	N37° 43' 48.84", W076° 30' 55.18"	5000	VNAV	200	FLY_BY	TF
STEIN	WP	N37° 35' 11.90", W076° 19' 12.44"	5000	VNAV	200	FLY_BY	TF
OUTLA	WP	N37° 20' 45.48", W075° 59' 54.08"	3000	VNAV	200	FLY_BY	TF

Flyability

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

DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

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:	Not Allowed
DoD Facilities:	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:	NHK

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	H		NO	Enabled	36.2 %	36.2 %
2	HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	L		NO	Enabled	100 %	100 %
3	CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	L		NO	Enabled	64.3 %	64.2 %
4	GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	H		NO	Enabled	43.9 %	44 %
5	RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	H		NO	Enabled	46.4 %	46.4 %
6	NGU	N36° 56' 24.16", W076° 16' 38.21"	10.0 W	40	L		NO	Enabled	31 %	31 %
7	HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	H		NO	Enabled	7.8 %	7.8 %
8	LFI	N37° 05' 08.00", W076° 21' 33.85"	10.0 W	40	L		NO	Enabled	14.9 %	14.9 %
9	NHK	N38° 16' 51.77", W076° 24' 38.28"	10.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CCV	RIC	HCM			
1.3	GVE	HCM	CCV	RIC		
1.4	GVE	HCM	RIC			
14.5	GVE	HCM	HPW	RIC		
14.9	GVE	HCM	RIC			
19.6	GVE	HCM	RIC	CCV		
26.3	HCM	CCV	RIC			
26.4	HPW	CCV	HCM	GVE	RIC	
27.6	HCM	CCV				
34.0	HCM	CCV	ORF			
41.0	HCM	NGU	CCV			
44.9	ORF	HCM	HPW	NGU	CCV	
45.1	HCM	ORF	NGU	CCV		
50.5	HCM	ORF	NGU	LFI	CCV	
56.4	HCM	ORF	NGU	HPW	LFI	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
COLIN	FAGED	HCM, CCV, GVE, RIC, HPW	
FAGED	CORET	HCM, GVE, CCV, RIC	
CORET	STEIN	ORF, HCM, CCV, GVE, RIC, HPW	
STEIN	OUTLA	ORF, HCM, CCV, NGU, HPW, LFI	

DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

User Data Files

#	File Name
1	UserDMESKORF [IFPA] OUTLA1 RNAV STAR_20240813_1113 EDT.udt

DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

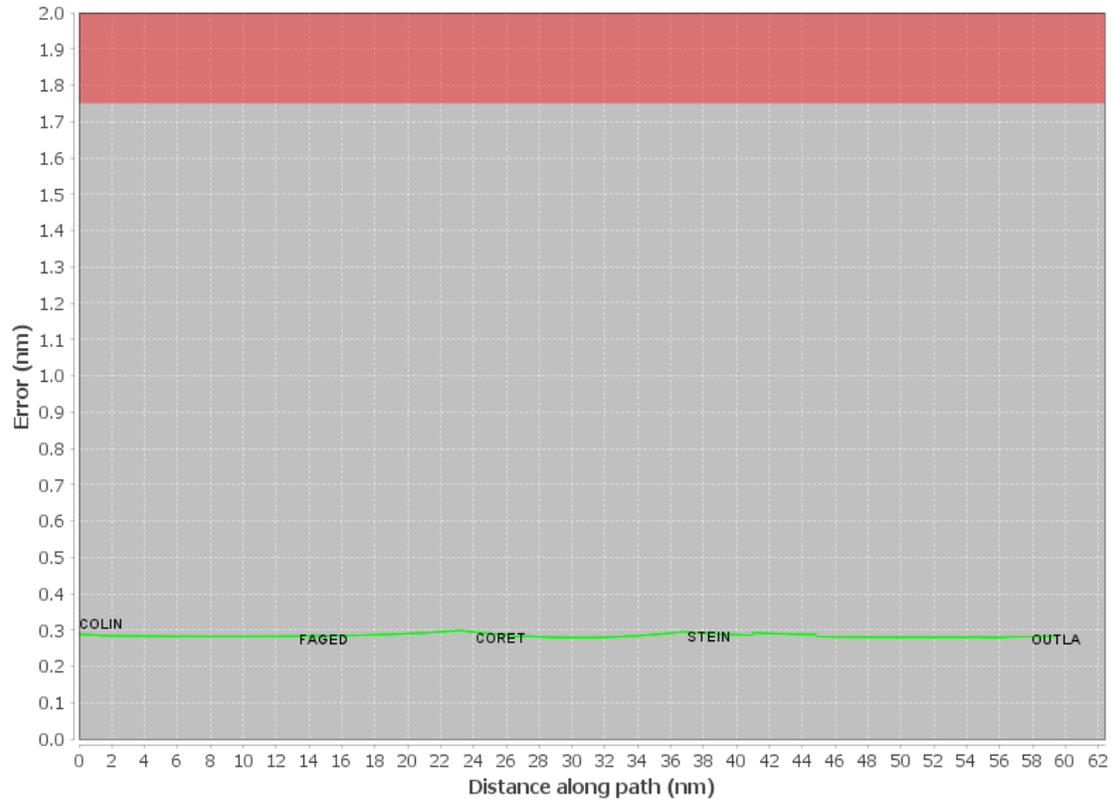
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV CCV [IFPA] CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
	ESV:	Bearing [True]: 321.0° to 329.0° Bearing [Mag]: 331.0° to 339.0°			Arc Distance: Out to 58.0 NM Altitude: 4900.0 to 18100.0 ft			
2	GVE FAA 698194-024 GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-024	
	ESV:	Bearing [True]: 86.0° to 105.0° Bearing [Mag]: 92.0° to 111.0°			Arc Distance: Out to 82.0 NM Altitude: 5000.0 to 14900.0 ft			
3	GVE FAA 698194-010 (e) GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-010 (e)	
	ESV:	Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°			Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft			
4	HPW FAA 210922-012 HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	70	114.35	HPW FAA 210922-012	
	ESV:	Bearing [True]: 69.0° to 95.0° Bearing [Mag]: 75.0° to 101.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft			
5	LVL FAA 704121-013 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-013	
	ESV:	Bearing [True]: 359.0° to 15.0° Bearing [Mag]: 7.0° to 23.0°			Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 18400.0 ft			
6	ADW FAA 880073-007 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-007	
	ESV:	Bearing [True]: 109.0° to 123.0° Bearing [Mag]: 119.0° to 133.0°			Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 15000.0 ft			
7	RIC FAA 704161-033 (e) RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-033 (e)	
	ESV:	Bearing [True]: 51.0° to 91.0° Bearing [Mag]: 60.0° to 100.0°			Arc Distance: Out to 102.0 NM Altitude: 10000.0 to 20000.0 ft			
8	RIC FAA 704161-052 RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-052	
	ESV:	Bearing [True]: 36.0° to 74.0° Bearing [Mag]: 45.0° to 83.0°			Arc Distance: Out to 51.0 NM Altitude: 4900.0 to 14700.0 ft			
9	ADW FAA 880073-006 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-006	
	ESV:	Bearing [True]: 133.0° to 137.0° Bearing [Mag]: 143.0° to 147.0°			Arc Distance: Out to 87.0 NM Altitude: 7000.0 to 18300.0 ft			
10	AML FAA 732650-054 AML	N38° 56' 04.53", W077° 28' 00.13"	8.0 W	40	295.7	113.5	AML FAA 732650-054	
	ESV:	Bearing [True]: 193.0° to 207.0° Bearing [Mag]: 201.0° to 215.0°			Arc Distance: Out to 91.0 NM Altitude: 6300.0 to 18300.0 ft			
11	FAK FAA 698146-025 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-025	
	ESV:	Bearing [True]: 86.0° to 103.0° Bearing [Mag]: 92.0° to 109.0°			Arc Distance: Out to 58.0 NM Altitude: 3500.0 to 10000.0 ft			
12	ROA FAA 870933-014 ROA	N37° 20' 36.47", W080° 04' 13.43"	4.0 W	40	3071.9	null	ROA FAA 870933-014	
	ESV:	Bearing [True]: 45.0° to 62.0° Bearing [Mag]: 49.0° to 66.0°			Arc Distance: Out to 59.0 NM Altitude: 6300.0 to 21100.0 ft			
13	LVL FAA 704121-014 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-014	
	ESV:	Bearing [True]: 48.0° to 68.0° Bearing [Mag]: 56.0° to 76.0°			Arc Distance: Out to 69.0 NM Altitude: 4000.0 to 10000.0 ft			
14	HCM FAA 712634-011 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-011	
	ESV:	Bearing [True]: 272.0° to 283.0° Bearing [Mag]: 279.0° to 290.0°			Arc Distance: Out to 76.0 NM Altitude: 6300.0 to 18100.0 ft			
15	SIE FAA 698170-035 SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-035	
	ESV:	Bearing [True]: 213.0° to 222.0° Bearing [Mag]: 222.0° to 231.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft			
16	FAK FAA 698146-026 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-026	

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User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
	ESV:	Bearing [True]: 283.0° to 291.0° Bearing [Mag]: 289.0° to 297.0°				Arc Distance: Out to 75.0 NM Altitude: 6300.0 to 15000.0 ft		
17	HCM FAA 712634-012 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-012	
	ESV:	Bearing [True]: 49.0° to 80.0° Bearing [Mag]: 56.0° to 87.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft		
18	ORF FAA 698221-017 ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	19.6	116.9	ORF FAA 698221-017	
	ESV:	Bearing [True]: 344.0° to 21.0° Bearing [Mag]: 351.0° to 28.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14600.0 ft		
19	SBV FAA 683652-053 SBV	N36° 40' 30.14", W079° 00' 52.20"	5.0 W	40	520.1	110.4	SBV FAA 683652-053	
	ESV:	Bearing [True]: 346.0° to 30.0° Bearing [Mag]: 351.0° to 35.0°				Arc Distance: Out to 78.0 NM Altitude: 6300.0 to 18800.0 ft		
20	ADW FAA 880073-004 (e) ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-004 (e)	
	ESV:	Bearing [True]: 160.0° to 200.0° Bearing [Mag]: 170.0° to 210.0°				Arc Distance: Out to 85.0 NM Altitude: 6000.0 to 10000.0 ft		
21	SBY FAA 872076-018 SBY	N38° 20' 42.02", W075° 30' 38.07"	12.0 W	40	48.2	null	SBY FAA 872076-018	
	ESV:	Bearing [True]: 50.0° to 64.0° Bearing [Mag]: 62.0° to 76.0°				Arc Distance: Out to 45.0 NM Altitude: 7900.0 to 18100.0 ft		

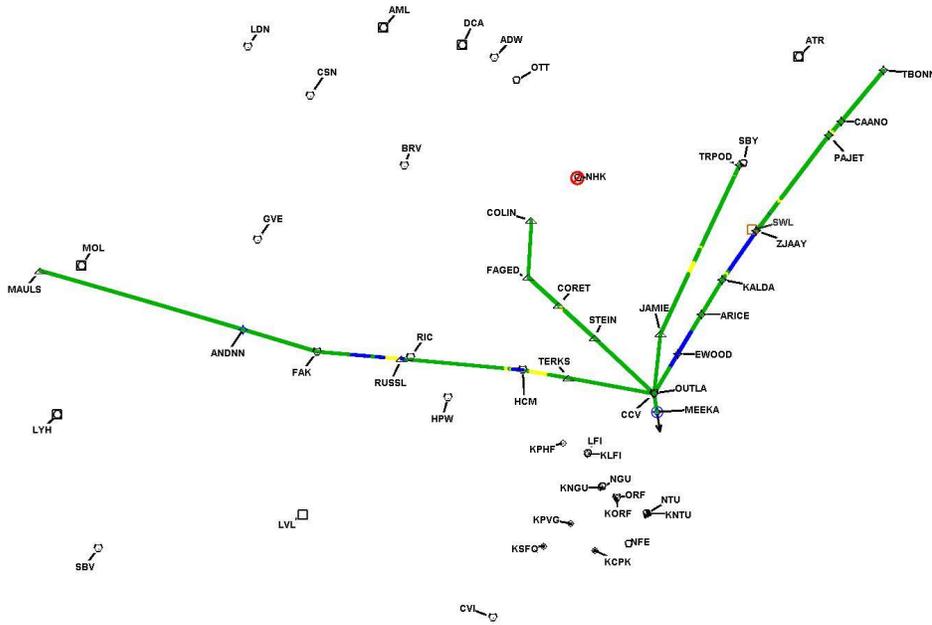
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

DME Error



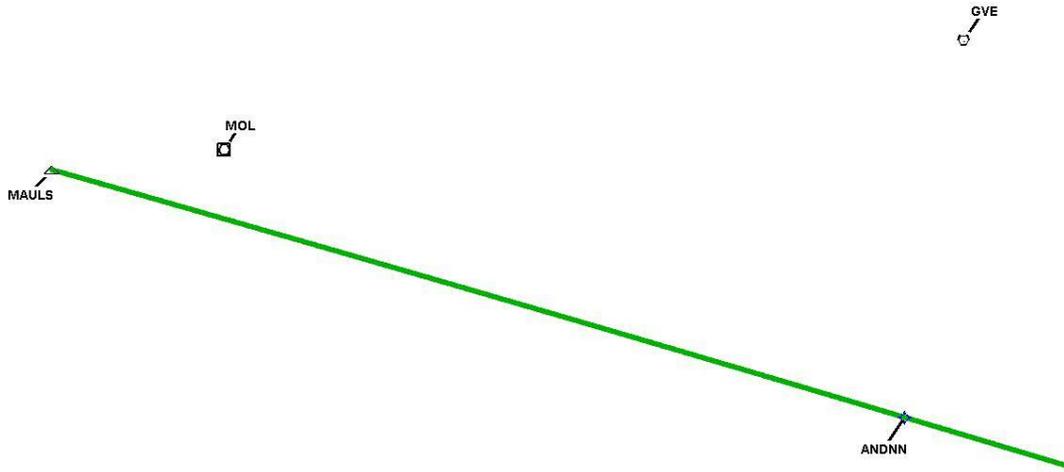
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 1



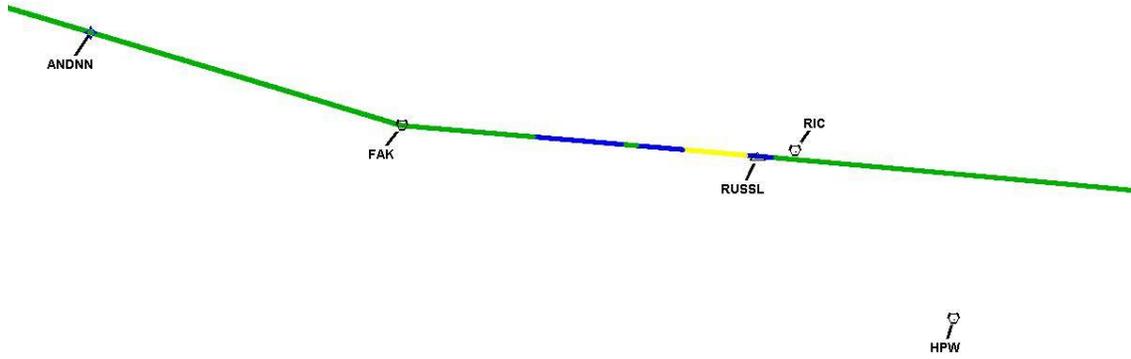
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 2



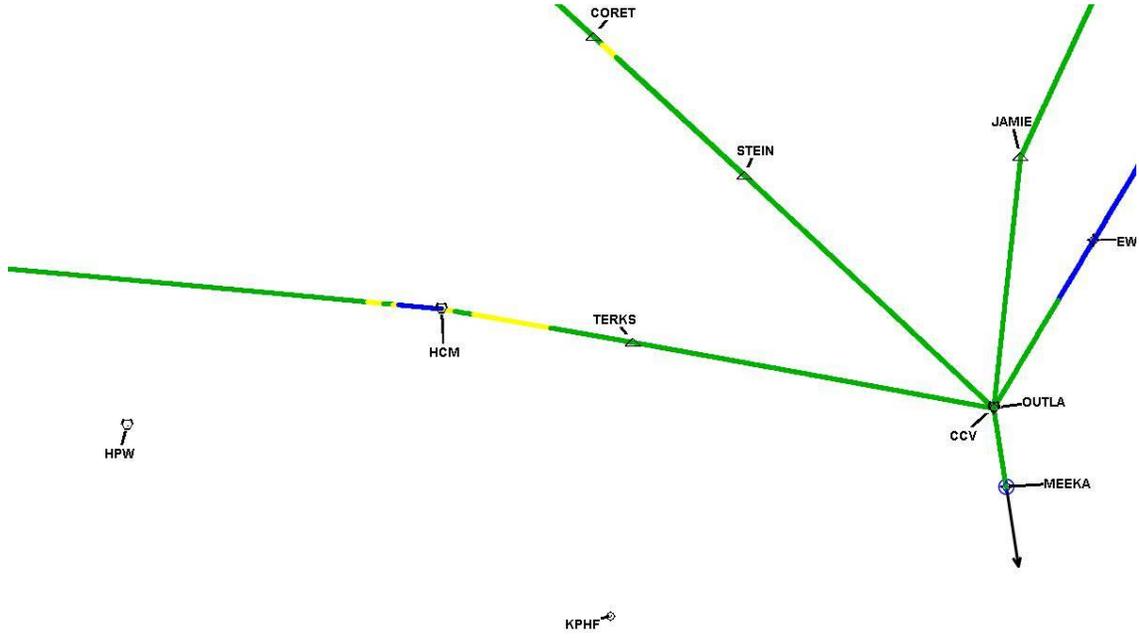
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 3



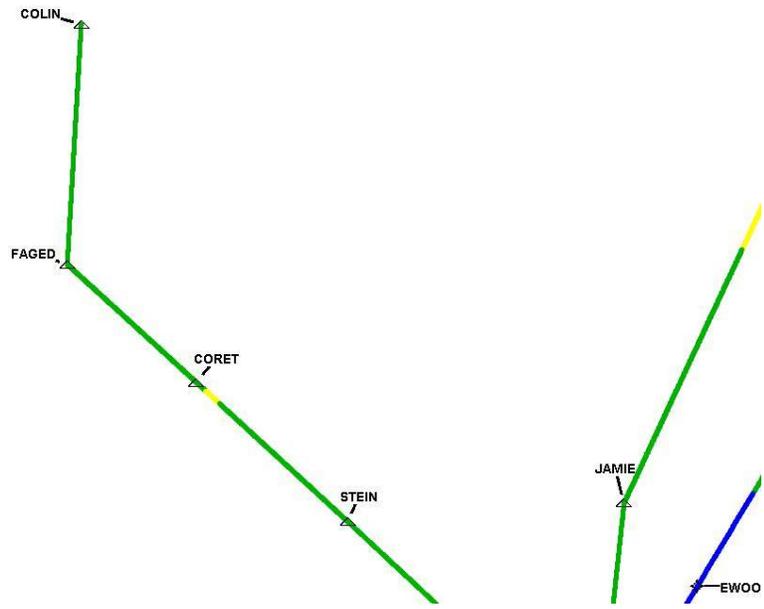
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 4



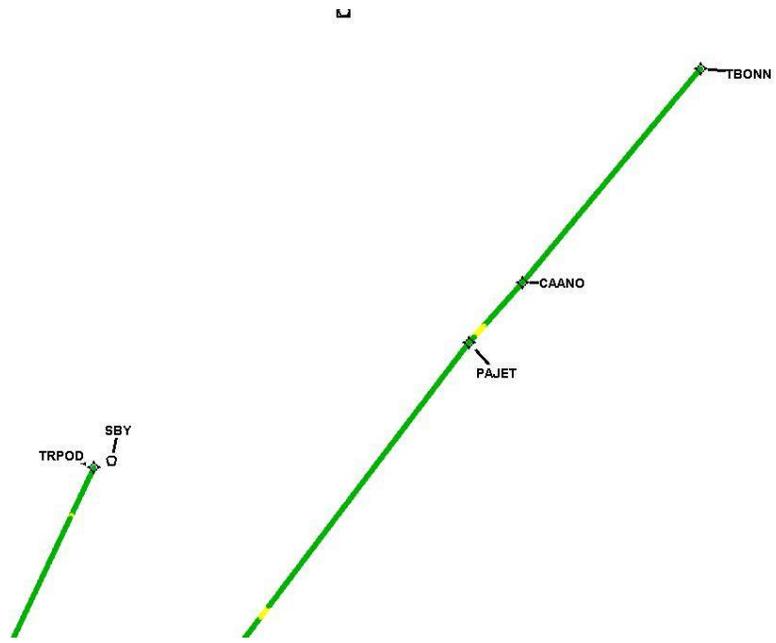
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 5



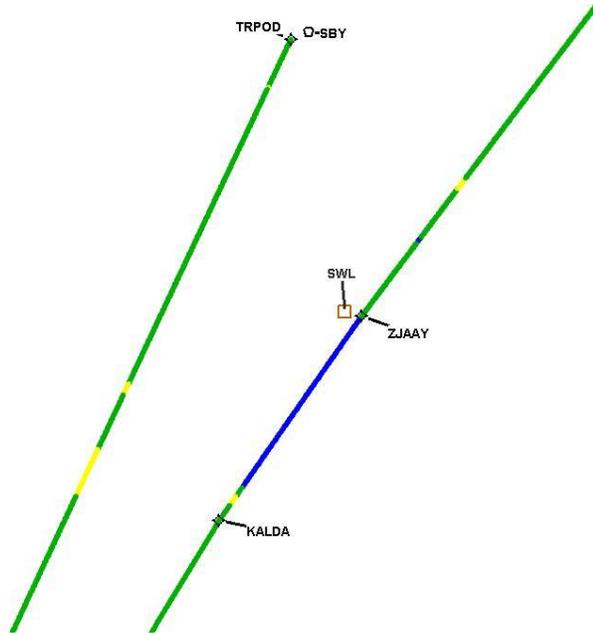
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 6



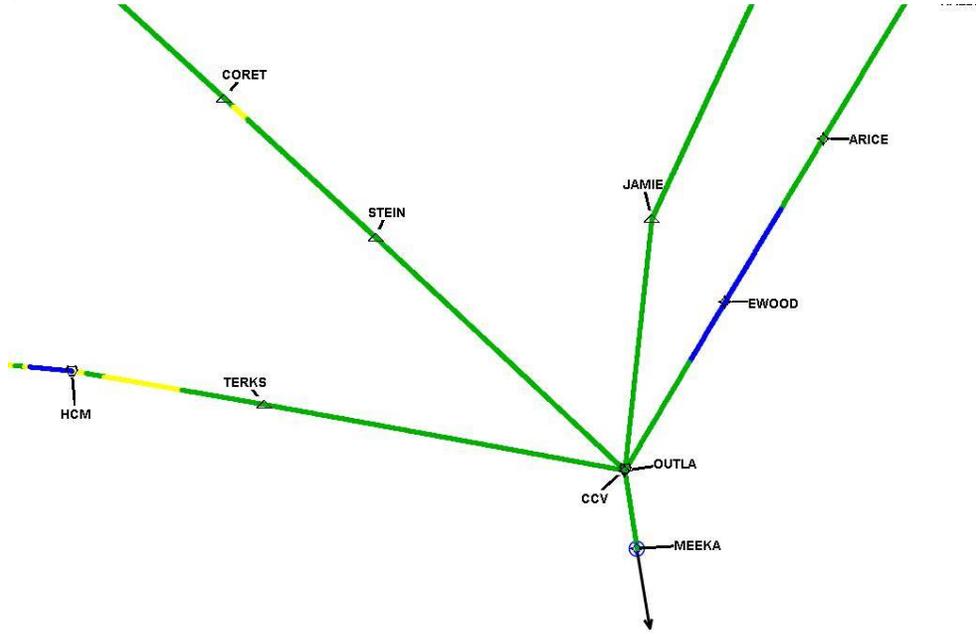
DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 7



DME DME Assessment Results for OUTLA1 path COLIN_OUTLA

Graphic Depiction 8



DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF OUTLA1 (RNAV) STAR DME DME 20250210.tgs
Output File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF [IFPA] OUTLA1 20250210_0951 EST\MAULS_OUTLA\KORF OUTLA1 RNAV STAR MAULS OUTLA 20250210_0951 EST.pdf
Procedure Name:	OUTLA1
Software: DmeDmePlugin:	7.4.1
Date/Time:	02/10/2025 09:51 EST
Databases:	DTED3

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
MAULS	WP	N37° 52' 49.36", W079° 19' 49.19"	7000	VNAV	200	FLY_BY	TF
ANDNN	WP	N37° 37' 29.15", W078° 13' 46.97"	7000	VNAV	200	FLY_BY	TF
FAK	WP	N37° 31' 42.63", W077° 49' 41.59"	7000	VNAV	200	FLY_BY	TF
RUSSL	WP	N37° 29' 49.15", W077° 22' 08.65"	7000	VNAV	200	FLY_BY	TF
HCM	WP	N37° 26' 55.18", W076° 42' 40.87"	5000	VNAV	200	FLY_BY	TF
TERKS	WP	N37° 24' 50.92", W076° 27' 50.53"	3000	VNAV	200	FLY_BY	TF
OUTLA	WP	N37° 20' 45.48", W075° 59' 54.08"	3000	VNAV	200	FLY_BY	TF

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

DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

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:	Not Allowed
DoD Facilities:	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:	NHK

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	AML	N38° 56' 04.53", W077° 28' 00.13"	8.0 W	40	L		NO	Enabled	12.3 %	12.3 %
2	ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	H		NO	Enabled	20.1 %	20.1 %
3	LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	L		NO	Enabled	9.8 %	9.8 %
4	ROA	N37° 20' 36.47", W080° 04' 13.43"	4.0 W	40	L		NO	Enabled	8.1 %	8.1 %
5	SBV	N36° 40' 30.14", W079° 00' 52.20"	5.0 W	40	L		NO	Enabled	28.1 %	28.1 %
6	MOL	N37° 54' 03.15", W079° 06' 22.25"	5.0 W	40	L		NO	Enabled	25.5 %	25.5 %
7	RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	H		NO	Enabled	34.7 %	34.7 %
8	HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	H		NO	Enabled	39.7 %	39.7 %
9	LFI	N37° 05' 08.00", W076° 21' 33.85"	10.0 W	40	L		NO	Enabled	7.2 %	7.2 %
10	FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	H		NO	Enabled	50.8 %	50.8 %
11	HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	L		NO	Enabled	44.3 %	44.3 %
12	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L		NO	Enabled	2.2 %	2.2 %
13	GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	H		NO	Enabled	40.2 %	40.2 %
14	CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	L		NO	Enabled	20.8 %	20.8 %
15	LYH	N37° 15' 16.48", W079° 14' 10.97"	5.0 W	40	L		NO	Enabled	11.7 %	11.7 %
16	NGU	N36° 56' 24.16", W076° 16' 38.21"	10.0 W	40	L		NO	Enabled	22 %	22 %
17	NHK	N38° 16' 51.77", W076° 24' 38.28"	10.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SBV	MOL	ROA	FAK		
5.2	FAK	LYH	SBV	MOL	ROA	
6.9	FAK	LYH	SBV	ROA		
12.9	FAK	LYH	ROA	MOL	SBV	
13.3	FAK	LYH	SBV			
14.7	FAK	LYH	SBV	MOL		
15.8	LYH	MOL				
18.1	LYH	MOL	SBV			
22.1	LYH	MOL	GVE			
23.5	LYH	MOL	SBV	GVE		
24.3	SBV	MOL	GVE			
34.7	SBV	FAK	MOL	GVE		
49.2	GVE	FAK	SBV			
49.6	GVE	FAK				
52.1	GVE	FAK	AML			
52.3	GVE	FAK	HCM	AML		
59.3	HCM	GVE	RIC	FAK	AML	
71.6	LVL	RIC	HCM	HPW	AML	GVE
72.2	LVL	RIC	HCM	HPW	GVE	
72.3	LVL	RIC	HPW	GVE		
77.6	LVL	FAK	RIC	HPW	GVE	
81.5	GVE	RIC				
82.8						
88.3	GVE	HCM				
89.2						
92.0	GVE	RIC	FAK	HCM	HPW	
95.9						
97.6	HPW	HCM				
103.1	HPW	FAK	HCM			
106.7	HPW	FAK	HCM	RIC		
114.3	HPW	RIC	FAK			
118.5	HPW	RIC	LVL	FAK		
123.2	LVL	CCV	RIC	FAK	HPW	
123.5	LVL	CCV	RIC	FAK		
123.6	HPW	NGU	HCM	RIC	CCV	
124.6	LVL	CCV	RIC	FAK	HPW	HCM
125.1	HPW	NGU	RIC	CCV		
125.4						
128.2	HPW	NGU	RIC	CCV		
128.6	LVL	NGU	HPW	FAK	RIC	CCV
128.9	HPW	NGU	FAK	RIC	CCV	
130.1	HPW	NGU	ORF	RIC	CCV	
138.6	LFI	HPW	NGU	ORF	HCM	CCV
138.9	HPW	NGU	ORF	HCM	CCV	
147.7	NGU	CCV	HCM	ORF		
153.7	NGU	CCV	HCM	ORF	LFI	
159.8	HCM	ORF	NGU	HPW	LFI	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N37° 31' 00.80", W077° 39' 21.05"	N37° 30' 32.78", W077° 32' 33.02"	5.4307
2	N37° 30' 27.88", W077° 31' 22.25"	N37° 30' 13.41", W077° 27' 54.11"	2.7708
3	N37° 29' 52.67", W077° 22' 58.59"	N37° 29' 43.54", W077° 20' 49.40"	1.7184
4	N37° 27' 10.39", W076° 46' 00.85"	N37° 26' 55.18", W076° 42' 40.87"	2.6583

DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
MAULS	ANDNN	AML, FAK, HCM, ROA, SBV, GVE, LYH, MOL	
ANDNN	FAK	AML, FAK, HCM, LVL, GVE, RIC, HPW	
FAK	RUSSL	FAK, LVL, HCM, ADW, GVE, RIC, HPW	
RUSSL	HCM	FAK, HCM, LVL, CCV, RIC, NGU, HPW	
HCM	TERKS	FAK, ORF, LVL, HCM, CCV, NGU, RIC, HPW, LFI	
TERKS	OUTLA	ORF, HCM, CCV, NGU, HPW, LFI	

DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

User Data Files

#	File Name
1	UserDMESKORF [IFPA] OUTLA1 RNAV STAR_20240813_1113 EDT.udt

DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

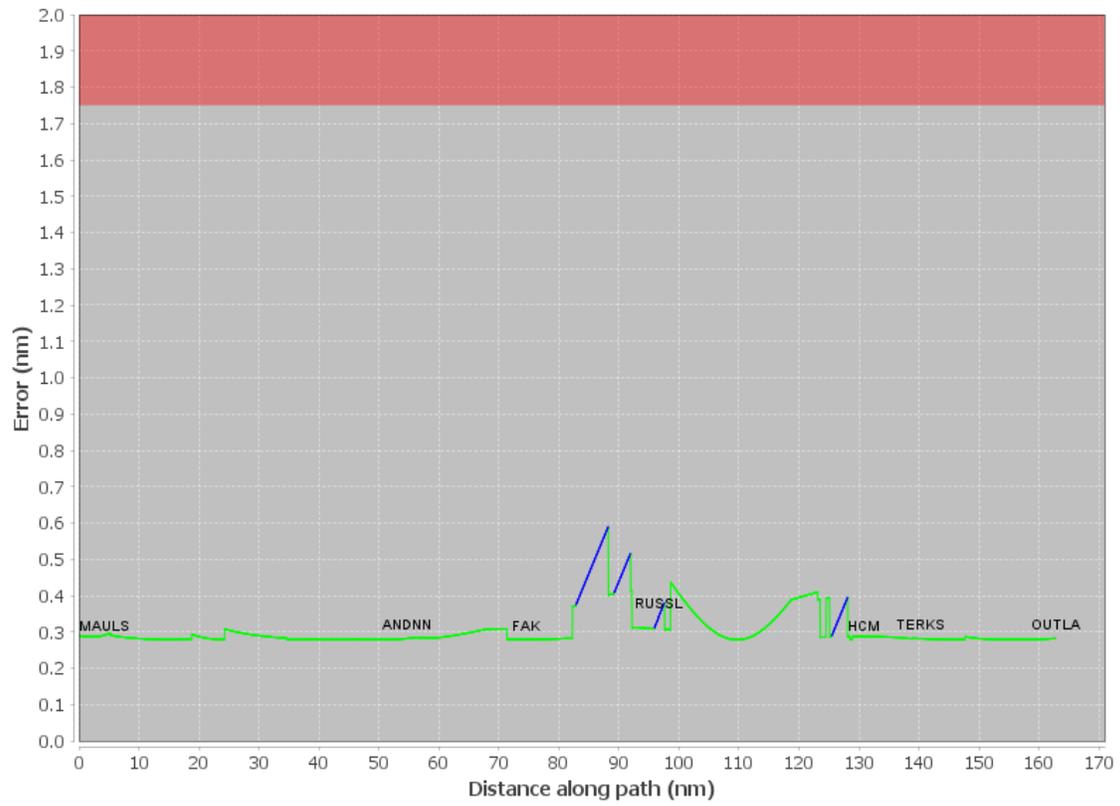
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV CCV [IFPA] CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
	ESV:	Bearing [True]: 321.0° to 329.0° Bearing [Mag]: 331.0° to 339.0°			Arc Distance: Out to 58.0 NM Altitude: 4900.0 to 18100.0 ft			
2	GVE FAA 698194-024 GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-024	
	ESV:	Bearing [True]: 86.0° to 105.0° Bearing [Mag]: 92.0° to 111.0°			Arc Distance: Out to 82.0 NM Altitude: 5000.0 to 14900.0 ft			
3	GVE FAA 698194-010 (e) GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-010 (e)	
	ESV:	Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°			Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft			
4	HPW FAA 210922- 012 HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	70	114.35	HPW FAA 210922- 012	
	ESV:	Bearing [True]: 69.0° to 95.0° Bearing [Mag]: 75.0° to 101.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft			
5	LVL FAA 704121-013 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-013	
	ESV:	Bearing [True]: 359.0° to 15.0° Bearing [Mag]: 7.0° to 23.0°			Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 18400.0 ft			
6	ADW FAA 880073- 007 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073- 007	
	ESV:	Bearing [True]: 109.0° to 123.0° Bearing [Mag]: 119.0° to 133.0°			Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 15000.0 ft			
7	RIC FAA 704161-033 (e) RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-033 (e)	
	ESV:	Bearing [True]: 51.0° to 91.0° Bearing [Mag]: 60.0° to 100.0°			Arc Distance: Out to 102.0 NM Altitude: 10000.0 to 20000.0 ft			
8	RIC FAA 704161-052 RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-052	
	ESV:	Bearing [True]: 36.0° to 74.0° Bearing [Mag]: 45.0° to 83.0°			Arc Distance: Out to 51.0 NM Altitude: 4900.0 to 14700.0 ft			
9	ADW FAA 880073- 006 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073- 006	
	ESV:	Bearing [True]: 133.0° to 137.0° Bearing [Mag]: 143.0° to 147.0°			Arc Distance: Out to 87.0 NM Altitude: 7000.0 to 18300.0 ft			
10	AML FAA 732650-054 AML	N38° 56' 04.53", W077° 28' 00.13"	8.0 W	40	295.7	113.5	AML FAA 732650-054	
	ESV:	Bearing [True]: 193.0° to 207.0° Bearing [Mag]: 201.0° to 215.0°			Arc Distance: Out to 91.0 NM Altitude: 6300.0 to 18300.0 ft			
11	FAK FAA 698146-025 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-025	
	ESV:	Bearing [True]: 86.0° to 103.0° Bearing [Mag]: 92.0° to 109.0°			Arc Distance: Out to 58.0 NM Altitude: 3500.0 to 10000.0 ft			
12	ROA FAA 870933-014 ROA	N37° 20' 36.47", W080° 04' 13.43"	4.0 W	40	3071.9	null	ROA FAA 870933-014	
	ESV:	Bearing [True]: 45.0° to 62.0° Bearing [Mag]: 49.0° to 66.0°			Arc Distance: Out to 59.0 NM Altitude: 6300.0 to 21100.0 ft			
13	LVL FAA 704121-014 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-014	
	ESV:	Bearing [True]: 48.0° to 68.0° Bearing [Mag]: 56.0° to 76.0°			Arc Distance: Out to 69.0 NM Altitude: 4000.0 to 10000.0 ft			
14	HCM FAA 712634- 011 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634- 011	
	ESV:	Bearing [True]: 272.0° to 283.0° Bearing [Mag]: 279.0° to 290.0°			Arc Distance: Out to 76.0 NM Altitude: 6300.0 to 18100.0 ft			
15	SIE FAA 698170-035 SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-035	
	ESV:	Bearing [True]: 213.0° to 222.0° Bearing [Mag]: 222.0° to 231.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft			
16	FAK FAA 698146-026 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-026	

DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
	ESV:	Bearing [True]: 283.0° to 291.0° Bearing [Mag]: 289.0° to 297.0°				Arc Distance: Out to 75.0 NM Altitude: 6300.0 to 15000.0 ft		
17	HCM FAA 712634-012 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-012	
	ESV:	Bearing [True]: 49.0° to 80.0° Bearing [Mag]: 56.0° to 87.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft		
18	ORF FAA 698221-017 ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	19.6	116.9	ORF FAA 698221-017	
	ESV:	Bearing [True]: 344.0° to 21.0° Bearing [Mag]: 351.0° to 28.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14600.0 ft		
19	SBV FAA 683652-053 SBV	N36° 40' 30.14", W079° 00' 52.20"	5.0 W	40	520.1	110.4	SBV FAA 683652-053	
	ESV:	Bearing [True]: 346.0° to 30.0° Bearing [Mag]: 351.0° to 35.0°				Arc Distance: Out to 78.0 NM Altitude: 6300.0 to 18800.0 ft		
20	ADW FAA 880073-004 (e) ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-004 (e)	
	ESV:	Bearing [True]: 160.0° to 200.0° Bearing [Mag]: 170.0° to 210.0°				Arc Distance: Out to 85.0 NM Altitude: 6000.0 to 10000.0 ft		
21	SBY FAA 872076-018 SBY	N38° 20' 42.02", W075° 30' 38.07"	12.0 W	40	48.2	null	SBY FAA 872076-018	
	ESV:	Bearing [True]: 50.0° to 64.0° Bearing [Mag]: 62.0° to 76.0°				Arc Distance: Out to 45.0 NM Altitude: 7900.0 to 18100.0 ft		

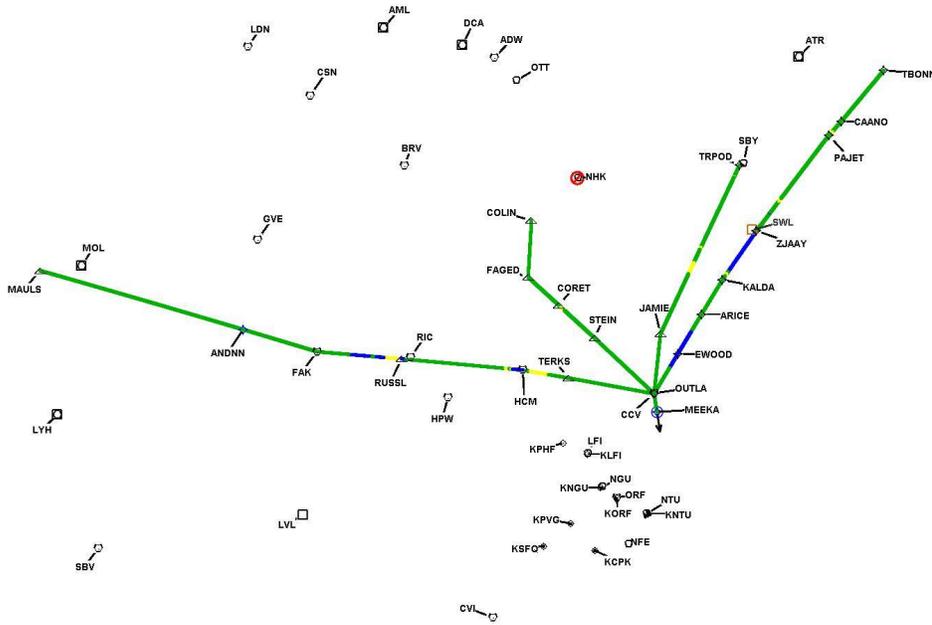
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

DME Error



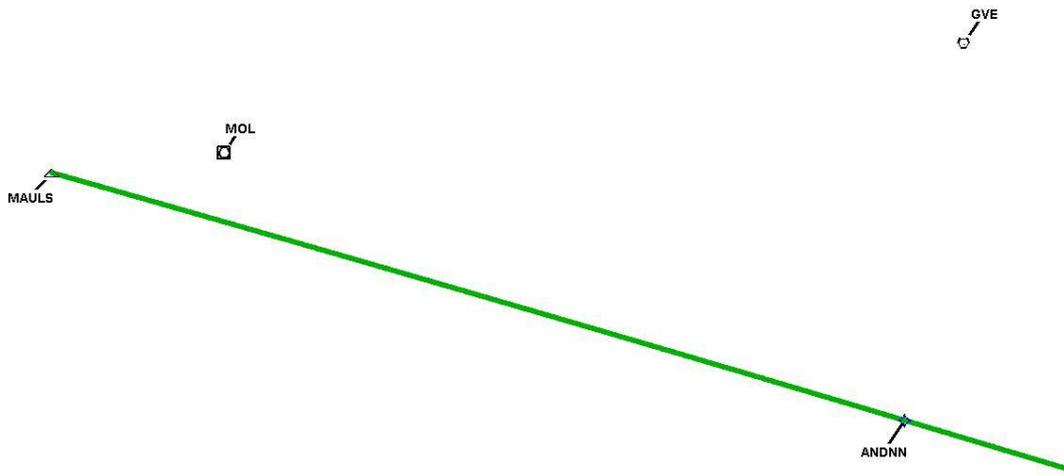
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 1



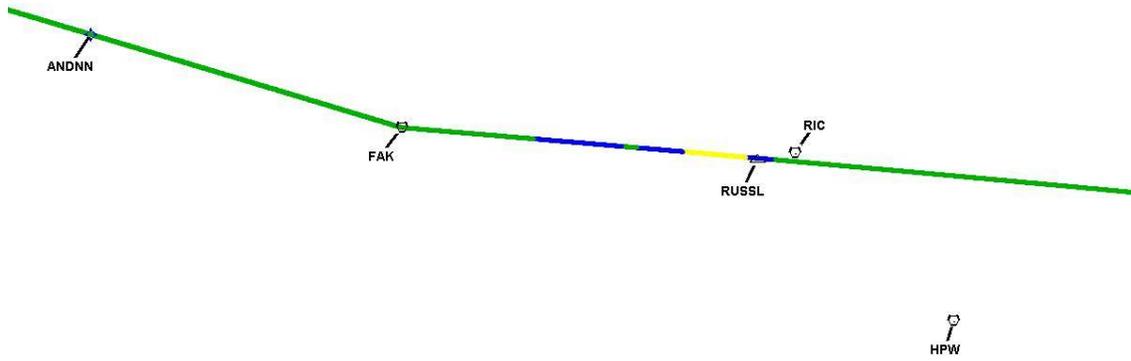
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 2



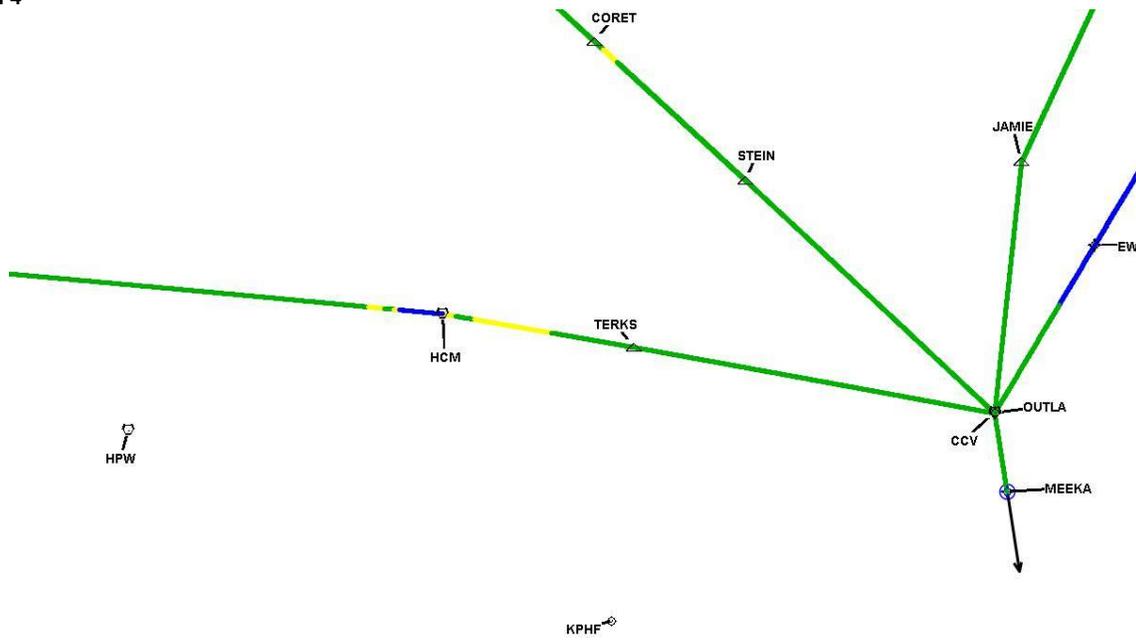
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 3



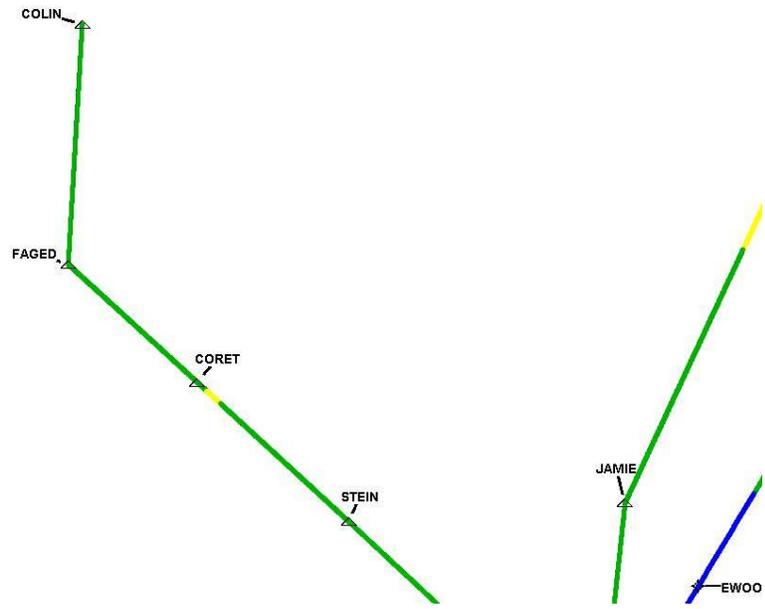
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 4



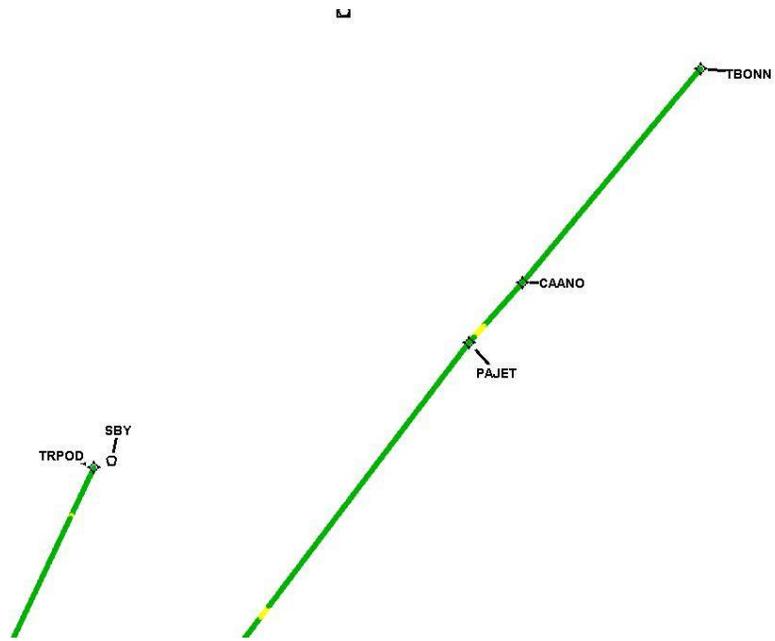
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 5



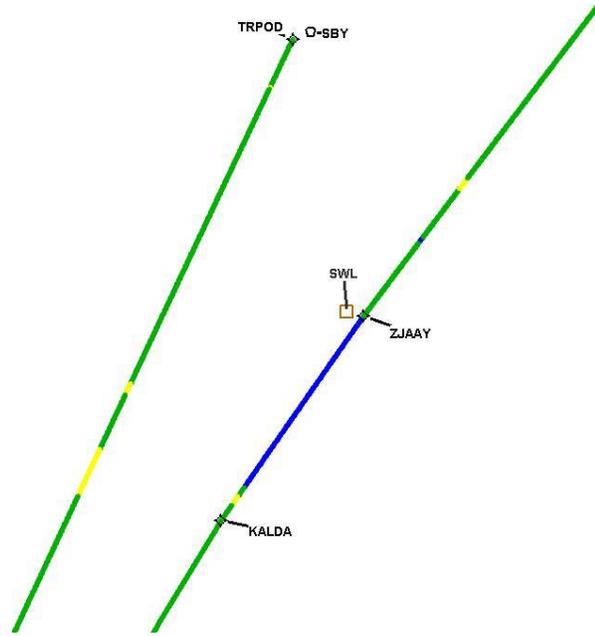
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 6



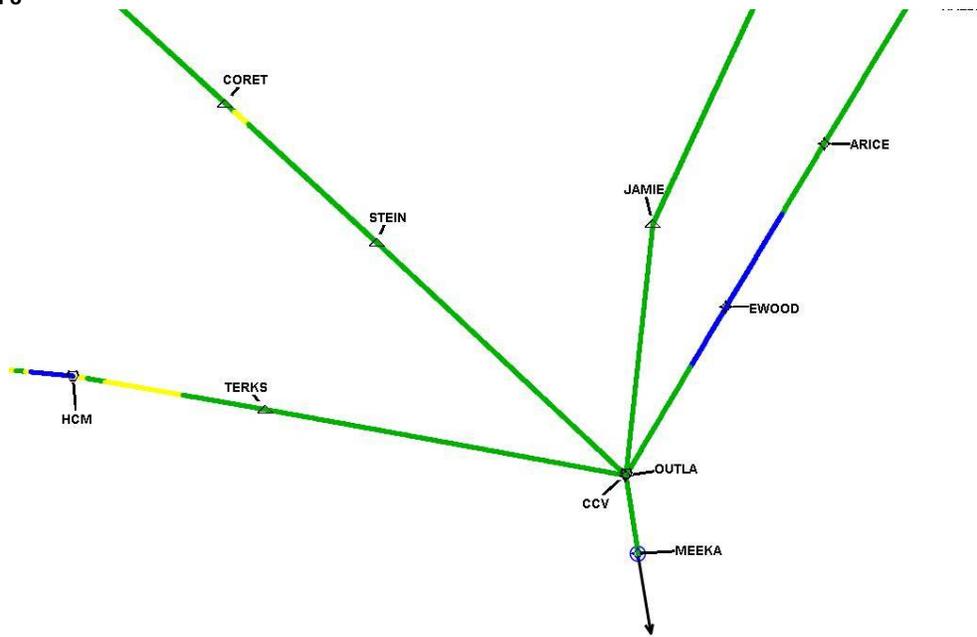
DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 7



DME DME Assessment Results for OUTLA1 path MAULS_OUTLA

Graphic Depiction 8



DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF OUTLA1 (RNAV) STAR DME DME 20250210.tgs
Output File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF [IFPA] OUTLA1 20250210_0951 EST\TBONN_MEEKA\KORF OUTLA1 RNAV STAR TBONN MEEKA 20250210_0951 EST.pdf
Procedure Name:	OUTLA1
Software: DmeDmePlugin:	7.4.1
Date/Time:	02/10/2025 09:51 EST
Databases:	DTED3

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
TBONN	WP	N38° 45' 02.83", W074° 45' 03.77"	10000	VNAV	200	FLY_BY	TF
CAANO	WP	N38° 31' 46.37", W074° 58' 52.32"	10000	VNAV	200	FLY_BY	TF
PAJET	WP	N38° 28' 04.13", W075° 03' 00.55"	10000	VNAV	200	FLY_BY	TF
ZJAAY	WP	N38° 03' 09.95", W075° 26' 34.27"	10000	VNAV	200	FLY_BY	TF
KALDA	WP	N37° 50' 31.06", W075° 37' 35.34"	8000	VNAV	200	FLY_BY	TF
ARICE	WP	N37° 41' 19.65", W075° 44' 32.37"	6000	VNAV	200	FLY_BY	TF
EWOOD	WP	N37° 31' 10.55", W075° 52' 09.26"	5000	VNAV	200	FLY_BY	TF
OUTLA	WP	N37° 20' 45.48", W075° 59' 54.08"	3000	VNAV	200	FLY_BY	TF
MEEKA	WP	N37° 15' 54.84", W075° 58' 57.30"	3000	VNAV	200	FLY_OVER	TF

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

DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

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:	Not Allowed
DoD Facilities:	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:	NHK

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SWL	N38° 03' 23.74", W075° 27' 50.04"	9.0 W	40	L	User	NO	Enabled		
2	ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	H		NO	Enabled	11.8 %	11.8 %
3	HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	L		NO	Enabled	25.5 %	25.5 %
4	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L		NO	Enabled	3.5 %	3.5 %
5	CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	L		NO	Enabled	17.9 %	17.9 %
6	SBY	N38° 20' 42.02", W075° 30' 38.07"	12.0 W	40	L		NO	Enabled	59.1 %	59.1 %
7	RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	H		NO	Enabled	5.3 %	5.3 %
8	NGU	N36° 56' 24.16", W076° 16' 38.21"	10.0 W	40	L		NO	Enabled	11.8 %	11.8 %
9	SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	H		NO	Enabled	19.9 %	19.9 %
10	HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	H		NO	Enabled	11.3 %	11.3 %
11	LFI	N37° 05' 08.00", W076° 21' 33.85"	10.0 W	40	L		NO	Enabled	11.8 %	11.8 %
12	ATR	N38° 48' 35.32", W075° 12' 40.76"	9.0 W	40	L		NO	Enabled	40.1 %	40.1 %
13	NHK	N38° 16' 51.77", W076° 24' 38.28"	10.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for OUTLA1 path TBOON_MEEKA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ATR	SIE	SBY			
13.7	ATR	SWL [User]	SBY	SIE		
21.5	ATR	SBY	SWL [User]			
43.3	SWL [User]	SBY				
47.1						
47.3	RIC	SBY				
53.1						
65.9	HCM	SBY	CCV			
66.6	ADW	CCV	SWL [User]	HCM	SBY	
70.5	HCM	SBY	CCV			
76.9	HCM	CCV				
79.9	HCM	CCV	SWL [User]			
84.2						
95.2	HPW	ORF	NGU	LFI		
98.4	HCM	ORF	NGU	HPW	LFI	
107.3	HCM	ORF	NGU	LFI		
107.8	HPW	CCV	ORF	NGU	LFI	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 07' 59.00", W075° 22' 02.39"	N38° 07' 48.30", W075° 22' 12.47"	0.2221
2	N38° 03' 07.21", W075° 26' 36.66"	N37° 52' 37.16", W075° 35' 45.82"	12.7441
3	N37° 36' 59.49", W075° 47' 47.82"	N37° 27' 29.83", W075° 54' 53.68"	11.0375

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TBOON	CAANO	SWL [User], SBY, SIE, ATR	
CAANO	PAJET	SWL [User], SBY, SIE, ATR	
PAJET	ZJAAY	SWL [User], SBY, RIC, ATR	
ZJAAY	KALDA	SWL [User], HCM, ADW, CCV, SBY, RIC	
KALDA	ARICE	SWL [User], HCM, ADW, CCV, SBY	
ARICE	EWOOD	SWL [User], HCM, CCV	
EWOOD	OUTLA	ORF, HCM, NGU, HPW, LFI	
OUTLA	MEEKA	ORF, HCM, CCV, NGU, LFI, HPW	

DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

User Data Files

#	File Name
1	UserDMesKORF [IFPA] OUTLA1 RNAV STAR_20240813_1113 EDT.udt

DME DME Assessment Results for OUTLA1 path TBOON_MEEKA

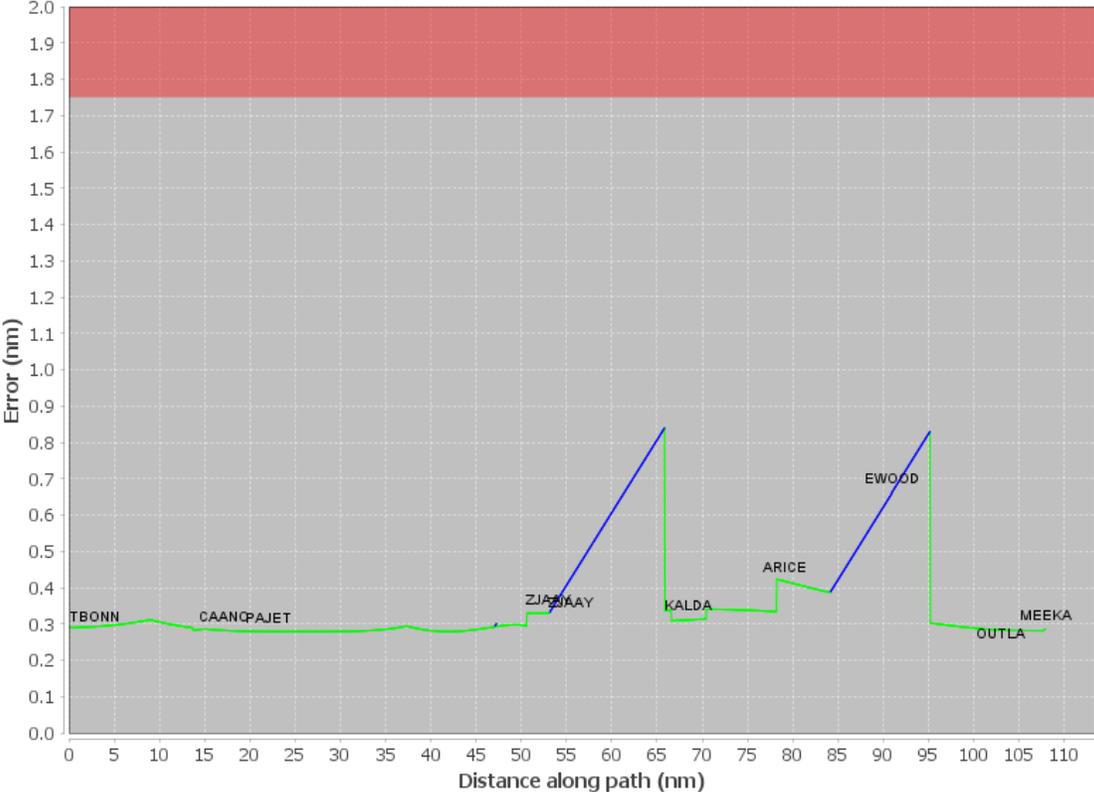
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV CCV [IFPA] CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
	ESV:	Bearing [True]: 321.0° to 329.0° Bearing [Mag]: 331.0° to 339.0°			Arc Distance: Out to 58.0 NM Altitude: 4900.0 to 18100.0 ft			
2	GVE FAA 698194-024 GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-024	
	ESV:	Bearing [True]: 86.0° to 105.0° Bearing [Mag]: 92.0° to 111.0°			Arc Distance: Out to 82.0 NM Altitude: 5000.0 to 14900.0 ft			
3	GVE FAA 698194-010 (e) GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-010 (e)	
	ESV:	Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°			Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft			
4	HPW FAA 210922-012 HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	70	114.35	HPW FAA 210922-012	
	ESV:	Bearing [True]: 69.0° to 95.0° Bearing [Mag]: 75.0° to 101.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft			
5	LVL FAA 704121-013 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-013	
	ESV:	Bearing [True]: 359.0° to 15.0° Bearing [Mag]: 7.0° to 23.0°			Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 18400.0 ft			
6	ADW FAA 880073-007 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-007	
	ESV:	Bearing [True]: 109.0° to 123.0° Bearing [Mag]: 119.0° to 133.0°			Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 15000.0 ft			
7	RIC FAA 704161-033 (e) RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-033 (e)	
	ESV:	Bearing [True]: 51.0° to 91.0° Bearing [Mag]: 60.0° to 100.0°			Arc Distance: Out to 102.0 NM Altitude: 10000.0 to 20000.0 ft			
8	RIC FAA 704161-052 RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-052	
	ESV:	Bearing [True]: 36.0° to 74.0° Bearing [Mag]: 45.0° to 83.0°			Arc Distance: Out to 51.0 NM Altitude: 4900.0 to 14700.0 ft			
9	ADW FAA 880073-006 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-006	
	ESV:	Bearing [True]: 133.0° to 137.0° Bearing [Mag]: 143.0° to 147.0°			Arc Distance: Out to 87.0 NM Altitude: 7000.0 to 18300.0 ft			
10	AML FAA 732650-054 AML	N38° 56' 04.53", W077° 28' 00.13"	8.0 W	40	295.7	113.5	AML FAA 732650-054	
	ESV:	Bearing [True]: 193.0° to 207.0° Bearing [Mag]: 201.0° to 215.0°			Arc Distance: Out to 91.0 NM Altitude: 6300.0 to 18300.0 ft			
11	FAK FAA 698146-025 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-025	
	ESV:	Bearing [True]: 86.0° to 103.0° Bearing [Mag]: 92.0° to 109.0°			Arc Distance: Out to 58.0 NM Altitude: 3500.0 to 10000.0 ft			
12	ROA FAA 870933-014 ROA	N37° 20' 36.47", W080° 04' 13.43"	4.0 W	40	3071.9	null	ROA FAA 870933-014	
	ESV:	Bearing [True]: 45.0° to 62.0° Bearing [Mag]: 49.0° to 66.0°			Arc Distance: Out to 59.0 NM Altitude: 6300.0 to 21100.0 ft			
13	LVL FAA 704121-014 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-014	
	ESV:	Bearing [True]: 48.0° to 68.0° Bearing [Mag]: 56.0° to 76.0°			Arc Distance: Out to 69.0 NM Altitude: 4000.0 to 10000.0 ft			
14	HCM FAA 712634-011 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-011	
	ESV:	Bearing [True]: 272.0° to 283.0° Bearing [Mag]: 279.0° to 290.0°			Arc Distance: Out to 76.0 NM Altitude: 6300.0 to 18100.0 ft			
15	SIE FAA 698170-035 SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-035	
	ESV:	Bearing [True]: 213.0° to 222.0° Bearing [Mag]: 222.0° to 231.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft			
16	FAK FAA 698146-026 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-026	

DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
	ESV:	Bearing [True]: 283.0° to 291.0° Bearing [Mag]: 289.0° to 297.0°				Arc Distance: Out to 75.0 NM Altitude: 6300.0 to 15000.0 ft		
17	HCM FAA 712634-012 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-012	
	ESV:	Bearing [True]: 49.0° to 80.0° Bearing [Mag]: 56.0° to 87.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft		
18	ORF FAA 698221-017 ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	19.6	116.9	ORF FAA 698221-017	
	ESV:	Bearing [True]: 344.0° to 21.0° Bearing [Mag]: 351.0° to 28.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14600.0 ft		
19	SBV FAA 683652-053 SBV	N36° 40' 30.14", W079° 00' 52.20"	5.0 W	40	520.1	110.4	SBV FAA 683652-053	
	ESV:	Bearing [True]: 346.0° to 30.0° Bearing [Mag]: 351.0° to 35.0°				Arc Distance: Out to 78.0 NM Altitude: 6300.0 to 18800.0 ft		
20	ADW FAA 880073-004 (e) ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-004 (e)	
	ESV:	Bearing [True]: 160.0° to 200.0° Bearing [Mag]: 170.0° to 210.0°				Arc Distance: Out to 85.0 NM Altitude: 6000.0 to 10000.0 ft		
21	SBY FAA 872076-018 SBY	N38° 20' 42.02", W075° 30' 38.07"	12.0 W	40	48.2	null	SBY FAA 872076-018	
	ESV:	Bearing [True]: 50.0° to 64.0° Bearing [Mag]: 62.0° to 76.0°				Arc Distance: Out to 45.0 NM Altitude: 7900.0 to 18100.0 ft		

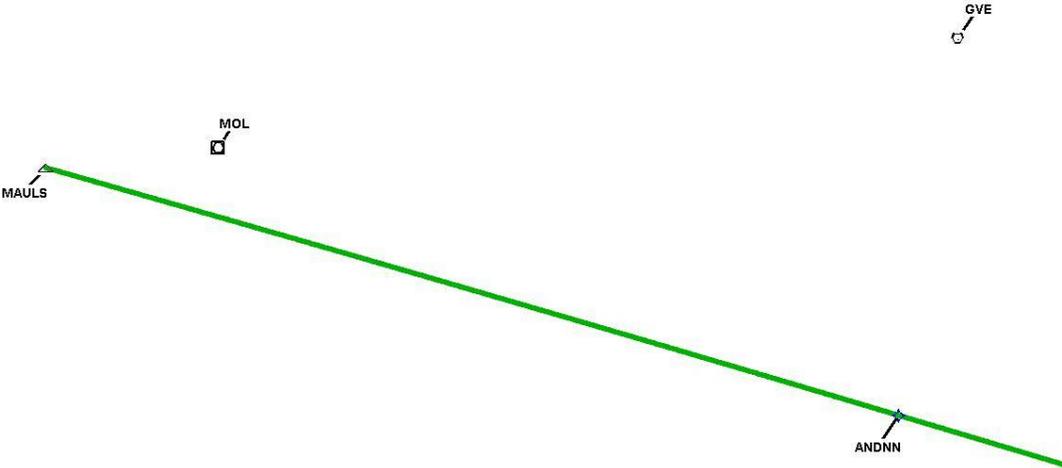
DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

DME Error



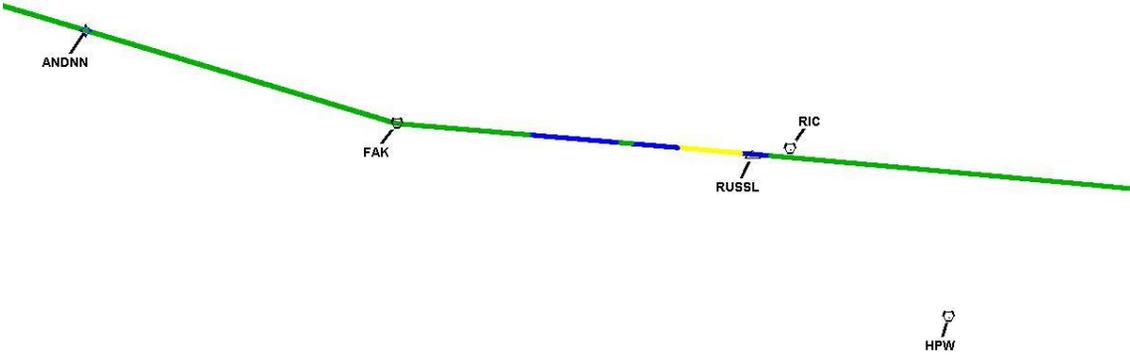
DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Graphic Depiction 2



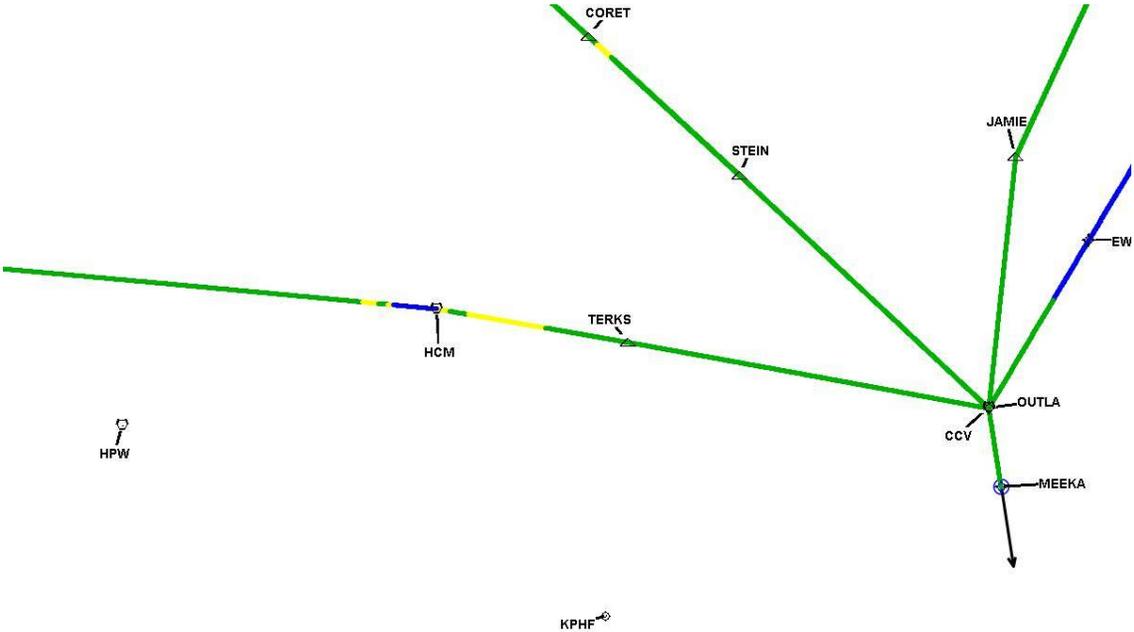
DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Graphic Depiction 3



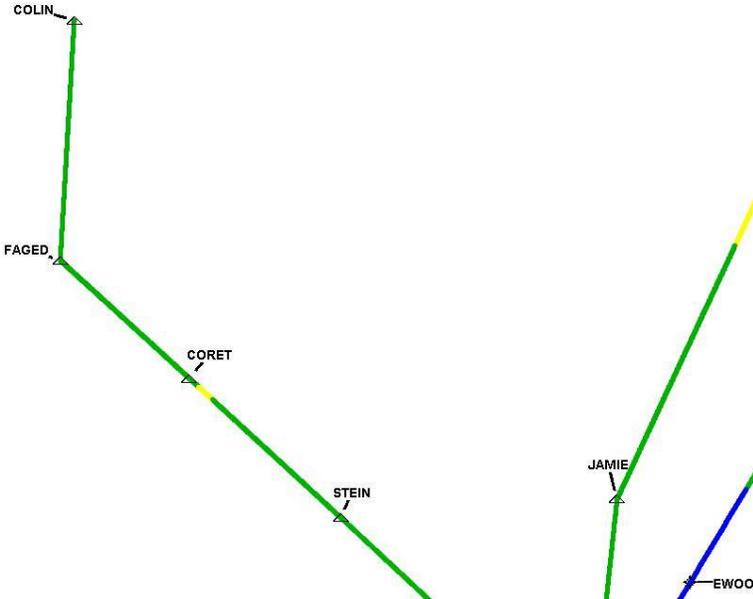
DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Graphic Depiction 4



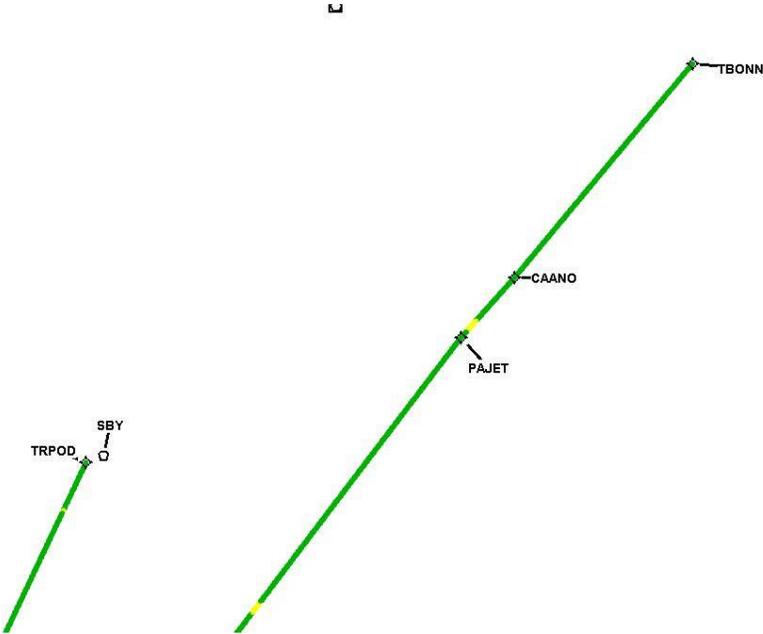
DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Graphic Depiction 5



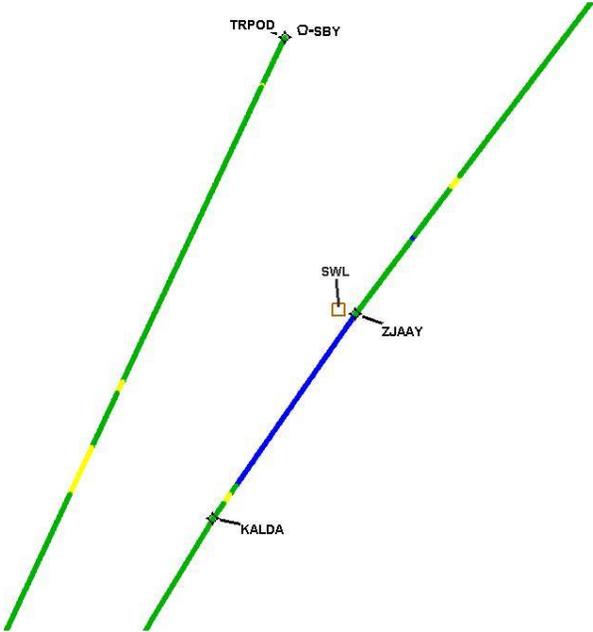
DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Graphic Depiction 6



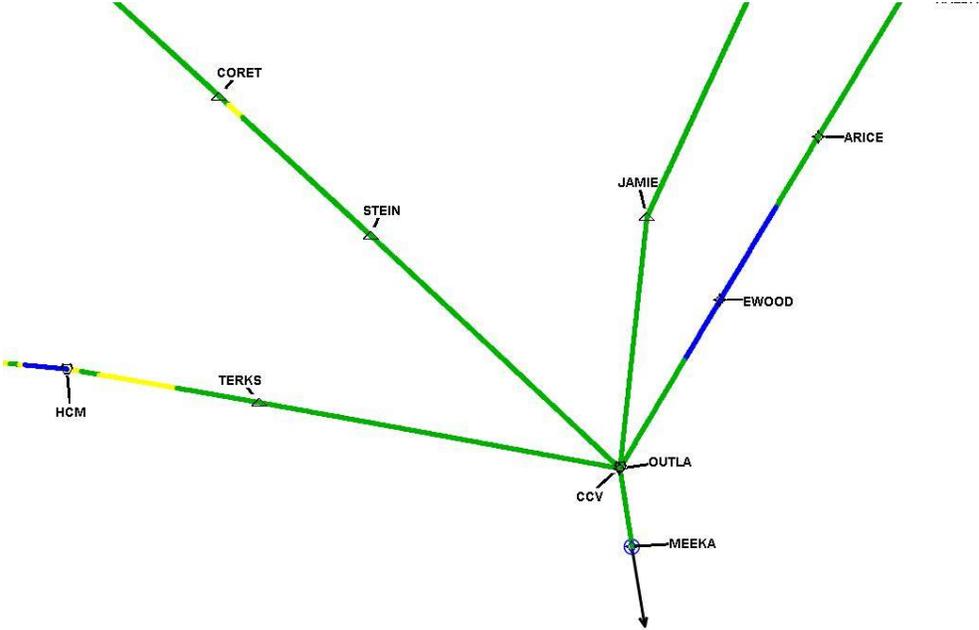
DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Graphic Depiction 7



DME DME Assessment Results for OUTLA1 path TBONN_MEEKA

Graphic Depiction 8



DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF OUTLA1 (RNAV) STAR DME DME 20250210.tgs
Output File:	C:\Users\Miles CTR Carpenter\OneDrive - Federal Aviation Administration\Desktop\01.22.2026 PUB PLAN PROCEDURES\KORF OUTLA1 (RNAV) STAR\KORF [IFPA] OUTLA1 20250210_0951 EST\TRPOD_OUTLA\KORF OUTLA1 RNAV STAR TRPOD OUTLA 20250210_0951 EST.pdf
Procedure Name:	OUTLA1
Software: DmeDmePlugin:	7.4.1
Date/Time:	02/10/2025 09:51 EST
Databases:	DTED3

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
TRPOD	WP	N38° 20' 20.33", W075° 32' 01.85"	7000	VNAV	200	FLY_BY	TF
JAMIE	WP	N37° 36' 20.58", W075° 57' 48.81"	7000	VNAV	200	FLY_BY	TF
OUTLA	WP	N37° 20' 45.48", W075° 59' 54.08"	3000	VNAV	200	FLY_BY	TF

Flyability

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

DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

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:	Not Allowed
DoD Facilities:	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:	NHK

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SWL	N38° 03' 23.74", W075° 27' 50.04"	9.0 W	40	L	User	NO	Enabled		
2	ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	H		NO	Enabled	26.2 %	26.2 %
3	HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	L		NO	Enabled	63.3 %	63.3 %
4	ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	L		NO	Enabled	22.9 %	22.8 %
5	CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	L		NO	Enabled	58.4 %	58.4 %
6	SBY	N38° 20' 42.02", W075° 30' 38.07"	12.0 W	40	L		NO	Enabled	45.3 %	45.3 %
7	NGU	N36° 56' 24.16", W076° 16' 38.21"	10.0 W	40	L		NO	Enabled	18 %	18 %
8	SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	H		NO	Enabled	5.3 %	5.3 %
9	LFI	N37° 05' 08.00", W076° 21' 33.85"	10.0 W	40	L		NO	Enabled	28.9 %	28.9 %
10	HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	H		NO	Enabled	24.4 %	24.4 %
11	NTU	N36° 49' 27.20", W076° 02' 13.37"	10.0 W	130	H		NO	Enabled	1 %	1 %
12	ATR	N38° 48' 35.32", W075° 12' 40.76"	9.0 W	40	L		NO	Enabled	11.8 %	11.8 %
13	NHK	N38° 16' 51.77", W076° 24' 38.28"	10.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ADW	ATR	SIE	SWL [User]		
2.1	ADW	ATR	SIE	SBY	SWL [User]	
3.4	ADW	ATR	SBY	SWL [User]		
7.6	ADW	SBY				
8.6	ADW	SBY	SWL [User]			
10.7	SWL [User]	SBY				
23.5	SWL [User]	CCV	SBY	HCM		
24.0	ADW	HCM	SBY	CCV	SWL [User]	
24.3	SWL [User]	CCV	SBY	HCM		
25.4	ADW	HCM	SBY	SWL [User]	CCV	
27.8	HCM	CCV	SWL [User]	SBY		
28.0	ADW	HCM	SWL [User]	SBY	CCV	
29.5	HCM	CCV	SWL [User]	SBY		
31.2	HCM	CCV				
45.6	HCM	CCV	ORF	LFI		
47.6	HCM	CCV	HPW	ORF	LFI	
48.5	HCM	CCV	ORF	LFI		
48.6	HCM	CCV	HPW	ORF	LFI	
52.0	HCM	CCV	HPW	LFI		
52.6	HCM	CCV	HPW	NGU	LFI	
55.8	NTU	HCM	CCV	ORF	NGU	LFI
56.5	HCM	CCV	HPW	ORF	NGU	LFI
61.0	HCM	ORF	NGU	HPW	LFI	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TRPOD	JAMIE	SWL [User], ORF, HCM, ADW, CCV, SBY, SIE, LFI, HPW, ATR	
JAMIE	OUTLA	SWL [User], ORF, HCM, CCV, NGU, LFI, HPW, NTU	

DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

User Data Files

#	File Name
1	UserDMESKORF [IFPA] OUTLA1 RNAV STAR_20240813_1113 EDT.udt

DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV CCV [IFPA] CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
	ESV:	Bearing [True]: 321.0° to 329.0° Bearing [Mag]: 331.0° to 339.0°			Arc Distance: Out to 58.0 NM Altitude: 4900.0 to 18100.0 ft			
2	GVE FAA 698194-024 GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-024	
	ESV:	Bearing [True]: 86.0° to 105.0° Bearing [Mag]: 92.0° to 111.0°			Arc Distance: Out to 82.0 NM Altitude: 5000.0 to 14900.0 ft			
3	GVE FAA 698194-010 (e) GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-010 (e)	
	ESV:	Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°			Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft			
4	HPW FAA 210922-012 HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	70	114.35	HPW FAA 210922-012	
	ESV:	Bearing [True]: 69.0° to 95.0° Bearing [Mag]: 75.0° to 101.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft			
5	LVL FAA 704121-013 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-013	
	ESV:	Bearing [True]: 359.0° to 15.0° Bearing [Mag]: 7.0° to 23.0°			Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 18400.0 ft			
6	ADW FAA 880073-007 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-007	
	ESV:	Bearing [True]: 109.0° to 123.0° Bearing [Mag]: 119.0° to 133.0°			Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 15000.0 ft			
7	RIC FAA 704161-033 (e) RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-033 (e)	
	ESV:	Bearing [True]: 51.0° to 91.0° Bearing [Mag]: 60.0° to 100.0°			Arc Distance: Out to 102.0 NM Altitude: 10000.0 to 20000.0 ft			
8	RIC FAA 704161-052 RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-052	
	ESV:	Bearing [True]: 36.0° to 74.0° Bearing [Mag]: 45.0° to 83.0°			Arc Distance: Out to 51.0 NM Altitude: 4900.0 to 14700.0 ft			
9	ADW FAA 880073-006 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-006	
	ESV:	Bearing [True]: 133.0° to 137.0° Bearing [Mag]: 143.0° to 147.0°			Arc Distance: Out to 87.0 NM Altitude: 7000.0 to 18300.0 ft			
10	AML FAA 732650-054 AML	N38° 56' 04.53", W077° 28' 00.13"	8.0 W	40	295.7	113.5	AML FAA 732650-054	
	ESV:	Bearing [True]: 193.0° to 207.0° Bearing [Mag]: 201.0° to 215.0°			Arc Distance: Out to 91.0 NM Altitude: 6300.0 to 18300.0 ft			
11	FAK FAA 698146-025 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-025	
	ESV:	Bearing [True]: 86.0° to 103.0° Bearing [Mag]: 92.0° to 109.0°			Arc Distance: Out to 58.0 NM Altitude: 3500.0 to 10000.0 ft			
12	ROA FAA 870933-014 ROA	N37° 20' 36.47", W080° 04' 13.43"	4.0 W	40	3071.9	null	ROA FAA 870933-014	
	ESV:	Bearing [True]: 45.0° to 62.0° Bearing [Mag]: 49.0° to 66.0°			Arc Distance: Out to 59.0 NM Altitude: 6300.0 to 21100.0 ft			
13	LVL FAA 704121-014 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-014	
	ESV:	Bearing [True]: 48.0° to 68.0° Bearing [Mag]: 56.0° to 76.0°			Arc Distance: Out to 69.0 NM Altitude: 4000.0 to 10000.0 ft			
14	HCM FAA 712634-011 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-011	
	ESV:	Bearing [True]: 272.0° to 283.0° Bearing [Mag]: 279.0° to 290.0°			Arc Distance: Out to 76.0 NM Altitude: 6300.0 to 18100.0 ft			
15	SIE FAA 698170-035 SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-035	
	ESV:	Bearing [True]: 213.0° to 222.0° Bearing [Mag]: 222.0° to 231.0°			Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft			
16	FAK FAA 698146-026 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-026	

DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
	ESV:	Bearing [True]: 283.0° to 291.0° Bearing [Mag]: 289.0° to 297.0°				Arc Distance: Out to 75.0 NM Altitude: 6300.0 to 15000.0 ft		
17	HCM FAA 712634-012 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-012	
	ESV:	Bearing [True]: 49.0° to 80.0° Bearing [Mag]: 56.0° to 87.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft		
18	ORF FAA 698221-017 ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	19.6	116.9	ORF FAA 698221-017	
	ESV:	Bearing [True]: 344.0° to 21.0° Bearing [Mag]: 351.0° to 28.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14600.0 ft		
19	SBV FAA 683652-053 SBV	N36° 40' 30.14", W079° 00' 52.20"	5.0 W	40	520.1	110.4	SBV FAA 683652-053	
	ESV:	Bearing [True]: 346.0° to 30.0° Bearing [Mag]: 351.0° to 35.0°				Arc Distance: Out to 78.0 NM Altitude: 6300.0 to 18800.0 ft		
20	ADW FAA 880073-004 (e) ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-004 (e)	
	ESV:	Bearing [True]: 160.0° to 200.0° Bearing [Mag]: 170.0° to 210.0°				Arc Distance: Out to 85.0 NM Altitude: 6000.0 to 10000.0 ft		
21	SBY FAA 872076-018 SBY	N38° 20' 42.02", W075° 30' 38.07"	12.0 W	40	48.2	null	SBY FAA 872076-018	
	ESV:	Bearing [True]: 50.0° to 64.0° Bearing [Mag]: 62.0° to 76.0°				Arc Distance: Out to 45.0 NM Altitude: 7900.0 to 18100.0 ft		

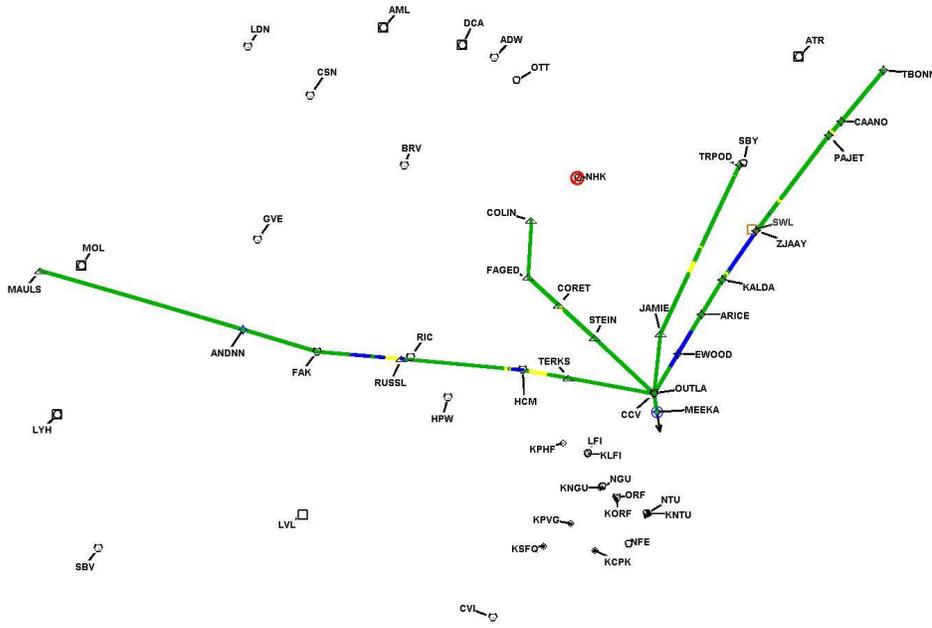
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

DME Error



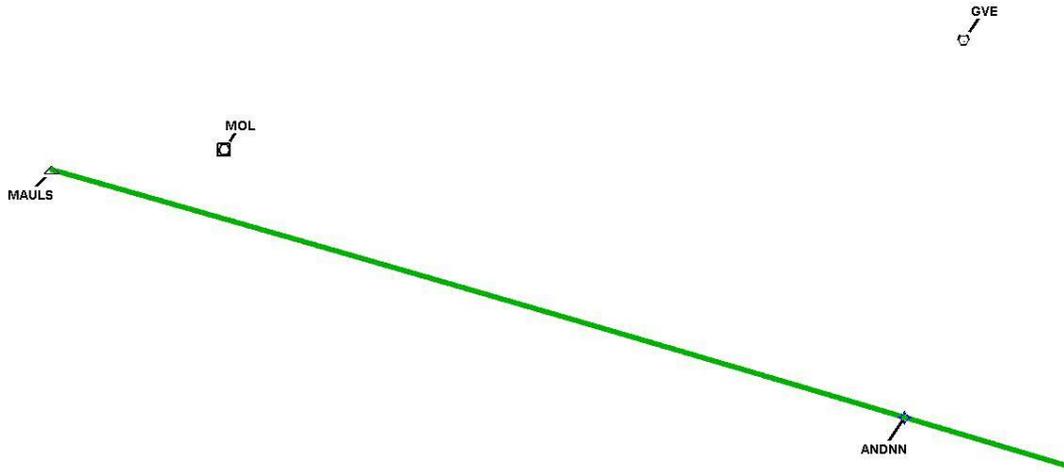
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 1



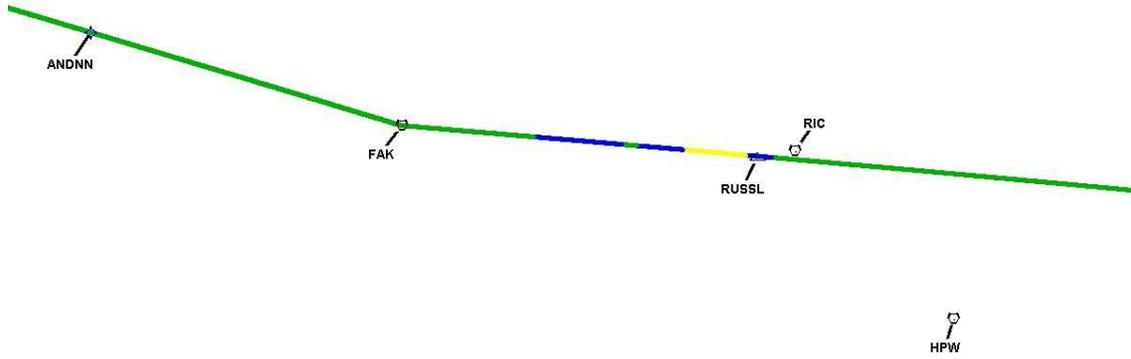
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 2



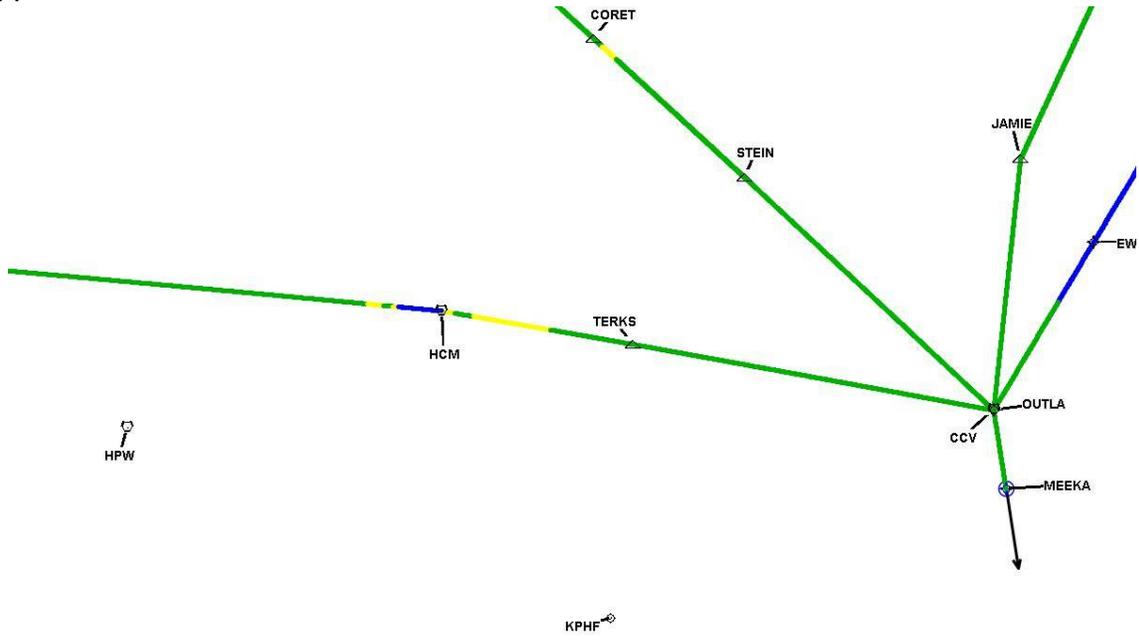
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 3



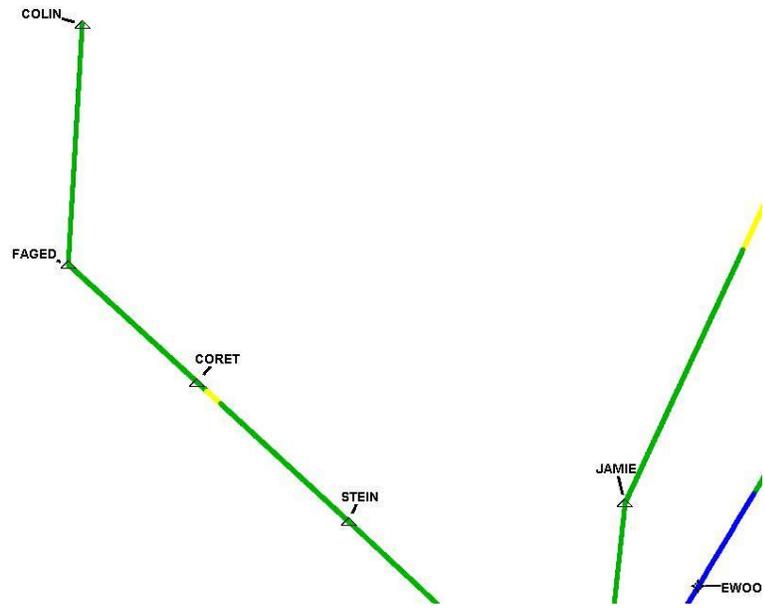
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 4



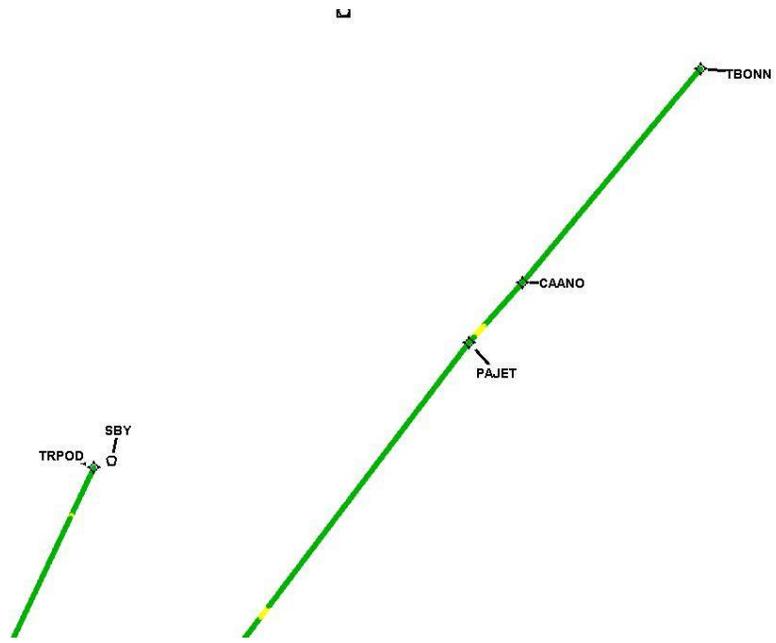
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 5



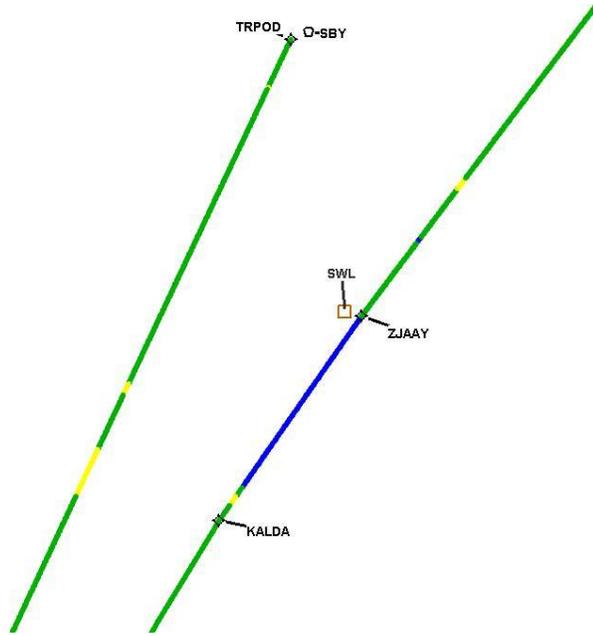
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 6



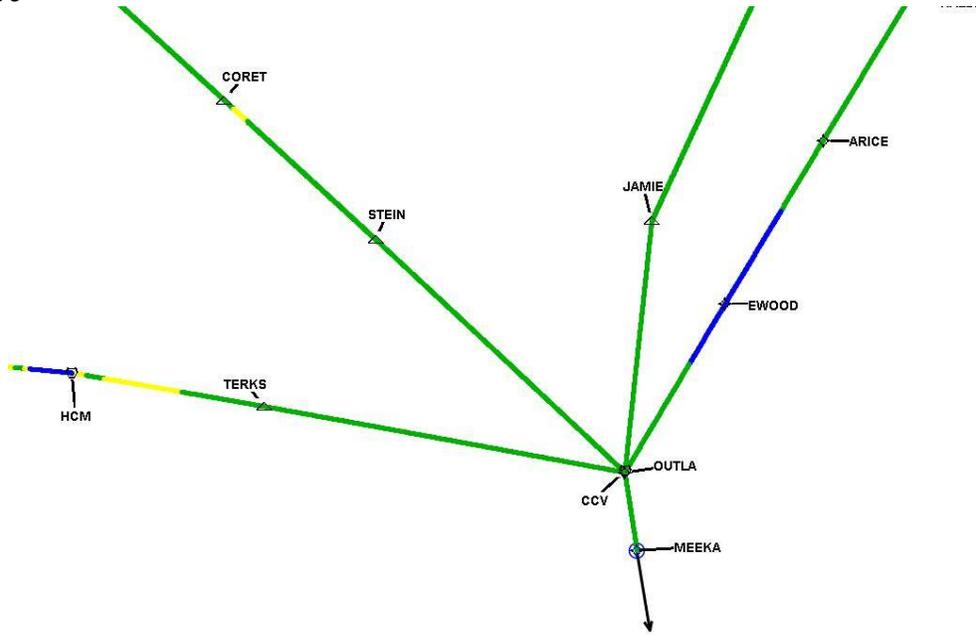
DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 7



DME DME Assessment Results for OUTLA1 path TRPOD_OUTLA

Graphic Depiction 8



DME ESVs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ADW FAA 880073-004 (e) ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-004 (e)	
	Restriction:	Bearing [True]: 210.0° to 270.0° Bearing [Mag]: 220.0° to 280.0°				Distance: All Altitude: Below 99999.0 ft		
	Restriction:	Bearing [True]: 25.0° to 35.0° Bearing [Mag]: 35.0° to 45.0°				Distance: All Altitude: Below 2500.0 ft		
	ESV:	Bearing [True]: 160.0° to 200.0° Bearing [Mag]: 170.0° to 210.0°				Arc Distance: Out to 85.0 NM Altitude: 6000.0 to 10000.0 ft		
2	ADW FAA 880073-006 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-006	
	Restriction:	Bearing [True]: 210.0° to 270.0° Bearing [Mag]: 220.0° to 280.0°				Distance: All Altitude: Below 99999.0 ft		
	Restriction:	Bearing [True]: 25.0° to 35.0° Bearing [Mag]: 35.0° to 45.0°				Distance: All Altitude: Below 2500.0 ft		
	ESV:	Bearing [True]: 133.0° to 137.0° Bearing [Mag]: 143.0° to 147.0°				Arc Distance: Out to 87.0 NM Altitude: 7000.0 to 18300.0 ft		
3	ADW FAA 880073-007 ADW	N38° 48' 25.99", W076° 51' 58.52"	10.0 W	40	262.9	113.1	ADW FAA 880073-007	
	Restriction:	Bearing [True]: 210.0° to 270.0° Bearing [Mag]: 220.0° to 280.0°				Distance: All Altitude: Below 99999.0 ft		
	Restriction:	Bearing [True]: 25.0° to 35.0° Bearing [Mag]: 35.0° to 45.0°				Distance: All Altitude: Below 2500.0 ft		
	ESV:	Bearing [True]: 109.0° to 123.0° Bearing [Mag]: 119.0° to 133.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 15000.0 ft		
4	AML FAA 732650-054 AML	N38° 56' 04.53", W077° 28' 00.13"	8.0 W	40	295.7	113.5	AML FAA 732650-054	
	Restriction:	Bearing [True]: 47.0° to 202.0° Bearing [Mag]: 55.0° to 210.0°				Distance: Beyond 28.0 NM Altitude: Below 2500.0 ft		
	Restriction:	Bearing [True]: 203.0° to 222.0° Bearing [Mag]: 211.0° to 230.0°				Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
	ESV:	Bearing [True]: 193.0° to 207.0° Bearing [Mag]: 201.0° to 215.0°				Arc Distance: Out to 91.0 NM Altitude: 6300.0 to 18300.0 ft		
5	ESV CCV [IFPA] CCV	N37° 20' 51.14", W075° 59' 51.55"	10.0 W	40	9.7	112.2	ESV CCV [IFPA]	
	Restriction:	Bearing [True]: 355.0° to 5.0° Bearing [Mag]: 5.0° to 15.0°				Distance: Beyond 20.0 NM Altitude: Below 4000.0 ft		
	ESV:	Bearing [True]: 321.0° to 329.0° Bearing [Mag]: 331.0° to 339.0°				Arc Distance: Out to 58.0 NM Altitude: 4900.0 to 18100.0 ft		
6	FAK FAA 698146-025 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-025	
	ESV:	Bearing [True]: 86.0° to 103.0° Bearing [Mag]: 92.0° to 109.0°				Arc Distance: Out to 58.0 NM Altitude: 3500.0 to 10000.0 ft		
7	FAK FAA 698146-026 FAK	N37° 31' 42.63", W077° 49' 41.59"	6.0 W	130	460	113.3	FAK FAA 698146-026	
	ESV:	Bearing [True]: 283.0° to 291.0° Bearing [Mag]: 289.0° to 297.0°				Arc Distance: Out to 75.0 NM Altitude: 6300.0 to 15000.0 ft		
8	GVE FAA 698194-010 (e) GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-010 (e)	
	ESV:	Bearing [True]: 122.0° to 150.0° Bearing [Mag]: 128.0° to 156.0°				Arc Distance: Out to 51.0 NM Altitude: 4000.0 to 14900.0 ft		
9	GVE FAA 698194-024 GVE	N38° 00' 48.96", W078° 09' 10.90"	6.0 W	130	382.6	115.6	GVE FAA 698194-024	
	ESV:	Bearing [True]: 86.0° to 105.0° Bearing [Mag]: 92.0° to 111.0°				Arc Distance: Out to 82.0 NM Altitude: 5000.0 to 14900.0 ft		
10	HCM FAA 712634-011 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-011	
	ESV:	Bearing [True]: 272.0° to 283.0° Bearing [Mag]: 279.0° to 290.0°				Arc Distance: Out to 76.0 NM Altitude: 6300.0 to 18100.0 ft		
11	HCM FAA 712634-012 HCM	N37° 26' 55.18", W076° 42' 40.87"	7.0 W	40	7.5	108.8	HCM FAA 712634-012	
	ESV:	Bearing [True]: 49.0° to 80.0° Bearing [Mag]: 56.0° to 87.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft		

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12	HPW FAA 210922-012 HPW	N37° 19' 43.93", W077° 06' 57.40"	6.0 W	130	70	114.35	HPW FAA 210922-012	
ESV:		Bearing [True]: 69.0° to 95.0° Bearing [Mag]: 75.0° to 101.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 18100.0 ft		
13	LVL FAA 704121-013 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-013	
Restriction:		Bearing [True]: 352.0° to 352.0° Bearing [Mag]: 0° to 360.0°				Distance: All Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 359.0° to 15.0° Bearing [Mag]: 7.0° to 23.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 18400.0 ft		
14	LVL FAA 704121-014 LVL	N36° 49' 04.93", W077° 54' 10.69"	8.0 W	40	350	null	LVL FAA 704121-014	
Restriction:		Bearing [True]: 352.0° to 352.0° Bearing [Mag]: 0° to 360.0°				Distance: All Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 48.0° to 68.0° Bearing [Mag]: 56.0° to 76.0°				Arc Distance: Out to 69.0 NM Altitude: 4000.0 to 10000.0 ft		
15	ORF FAA 698221-017 ORF	N36° 53' 30.86", W076° 12' 01.18"	7.0 W	130	19.6	116.9	ORF FAA 698221-017	
Restriction:		Bearing [True]: 353.0° to 353.0° Bearing [Mag]: 0° to 360.0°				Distance: Beyond 30.0 NM Altitude: Below 2500.0 ft		
ESV:		Bearing [True]: 344.0° to 21.0° Bearing [Mag]: 351.0° to 28.0°				Arc Distance: Out to 48.0 NM Altitude: 2900.0 to 14600.0 ft		
16	RIC FAA 704161-033 (e) RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-033 (e)	
ESV:		Bearing [True]: 51.0° to 91.0° Bearing [Mag]: 60.0° to 100.0°				Arc Distance: Out to 102.0 NM Altitude: 10000.0 to 20000.0 ft		
17	RIC FAA 704161-052 RIC	N37° 30' 08.45", W077° 19' 12.99"	9.0 W	130	158.3	114.1	RIC FAA 704161-052	
ESV:		Bearing [True]: 36.0° to 74.0° Bearing [Mag]: 45.0° to 83.0°				Arc Distance: Out to 51.0 NM Altitude: 4900.0 to 14700.0 ft		
18	ROA FAA 870933-014 ROA	N37° 20' 36.47", W080° 04' 13.43"	4.0 W	40	3071.9	null	ROA FAA 870933-014	
ESV:		Bearing [True]: 45.0° to 62.0° Bearing [Mag]: 49.0° to 66.0°				Arc Distance: Out to 59.0 NM Altitude: 6300.0 to 21100.0 ft		
19	SBV FAA 683652-053 SBV	N36° 40' 30.14", W079° 00' 52.20"	5.0 W	40	520.1	110.4	SBV FAA 683652-053	
ESV:		Bearing [True]: 346.0° to 30.0° Bearing [Mag]: 351.0° to 35.0°				Arc Distance: Out to 78.0 NM Altitude: 6300.0 to 18800.0 ft		
20	SBY FAA 872076-018 SBY	N38° 20' 42.02", W075° 30' 38.07"	12.0 W	40	48.2	null	SBY FAA 872076-018	
Restriction:		Bearing [True]: 282.0° to 355.0° Bearing [Mag]: 294.0° to 7.0°				Distance: All Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 249.0° to 273.0° Bearing [Mag]: 261.0° to 285.0°				Distance: All Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 357.0° to 43.0° Bearing [Mag]: 9.0° to 55.0°				Distance: Beyond 20.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 282.0° to 355.0° Bearing [Mag]: 294.0° to 7.0°				Distance: All Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 249.0° to 273.0° Bearing [Mag]: 261.0° to 285.0°				Distance: All Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 357.0° to 43.0° Bearing [Mag]: 9.0° to 55.0°				Distance: Beyond 20.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 50.0° to 64.0° Bearing [Mag]: 62.0° to 76.0°				Arc Distance: Out to 45.0 NM Altitude: 7900.0 to 18100.0 ft		
21	SIE FAA 698170-035 SIE	N39° 05' 43.83", W074° 48' 01.24"	9.0 W	130	8.3	114.8	SIE FAA 698170-035	
Restriction:		Bearing [True]: 56.0° to 101.0° Bearing [Mag]: 65.0° to 110.0°				Distance: All Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 229.0° to 39.0° Bearing [Mag]: 238.0° to 48.0°				Distance: Beyond 34.0 NM Altitude: Below 1800.0 ft		
ESV:		Bearing [True]: 213.0° to 222.0° Bearing [Mag]: 222.0° to 231.0°				Arc Distance: Out to 61.0 NM Altitude: 2900.0 to 14600.0 ft		