

DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF SWOPE1 (RNAV) SID DME_DME_20241028.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF [IFPA] SWOPE1 20241113_0801 EST\GUMPP_CHIEZ\KORF SWOPE1 SID GUMPP CHIEZ 20241113_0801 EST.pdf
Procedure Name:	SWOPE1
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/13/2024 08:01 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
GUMPP	WP	N36° 44' 48.9380", W076° 15' 52.3760"	2000	VNAV	200	FLY_BY	TF
SWOPE	WP	N36° 31' 06.8500", W076° 18' 56.2800"	4000	VNAV	200	FLY_BY	TF
KOOKI	WP	N35° 54' 21.7100", W076° 41' 56.2200"	6000	VNAV	200	FLY_BY	TF
CHIEZ	WP	N34° 31' 05.9300", W077° 32' 25.7400"	7000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KORF [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 SWOPE1 path GUMPP_CHIEZ

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H		NO	Enabled	37.5 %	37.5 %
2	ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	L		NO	Enabled	36.9 %	36.9 %
3	TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	H		NO	Enabled	43.8 %	43.8 %
4	CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	L		NO	Enabled	31.6 %	31.6 %
5	ECG	N36° 15' 27.2631", W076° 10' 32.1519"	7.0 W	40	L		NO	Enabled	32.9 %	32.9 %
6	ILM	N34° 21' 05.9336", W077° 52' 27.7694"	7.0 W	130	H		NO	Enabled	14.9 %	14.9 %
7	NGU	N36° 56' 24.1606", W076° 16' 38.2149"	10.0 W	40	L		NO	Enabled	14.2 %	14.2 %
8	EWN	N35° 04' 23.3090", W077° 02' 42.2369"	8.0 W	40	L		NO	Enabled	48.1 %	48.1 %
9	LFI	N37° 05' 08.0000", W076° 21' 33.8500"	10.0 W	40	L		NO	Enabled	7.7 %	7.7 %
10	NTU	N36° 49' 27.2013", W076° 02' 13.3672"	10.0 W	130	H		NO	Enabled	16.1 %	16.1 %
11	FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	L		NO	Enabled	14.7 %	14.7 %

DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
7.0	CVI	ECG	LFI	NTU	NGU	ORF
7.6	CVI	ECG	LFI	NTU	NGU	
18.4	NTU	ECG	CVI	NGU	ORF	
28.1	ORF	ECG	CVI	NTU		
30.3	CVI	NTU	ECG			
30.8						
31.2	ORF	CVI	ECG			
40.7	ORF	ECG				
48.7						
53.5	TYI	ORF	ECG			
60.9	TYI	ORF				
67.4	TYI	ORF	CVI			
68.9	TYI	CVI				
68.9	TYI	EWN	CVI			
70.5	TYI	EWN	CVI	ISO		
81.0	TYI	EWN	ISO			
101.6	TYI	ISO				
103.0						
107.1	TYI	EWN				
109.4	TYI	EWN	ISO			
122.2	EWN	ISO				
125.6	EWN	ISO	TYI	ILM		
125.9	EWN	ISO				
126.2	EWN	ISO	FAY	ILM		
131.6	FAY	EWN	ILM			
145.7	FAY	ILM				

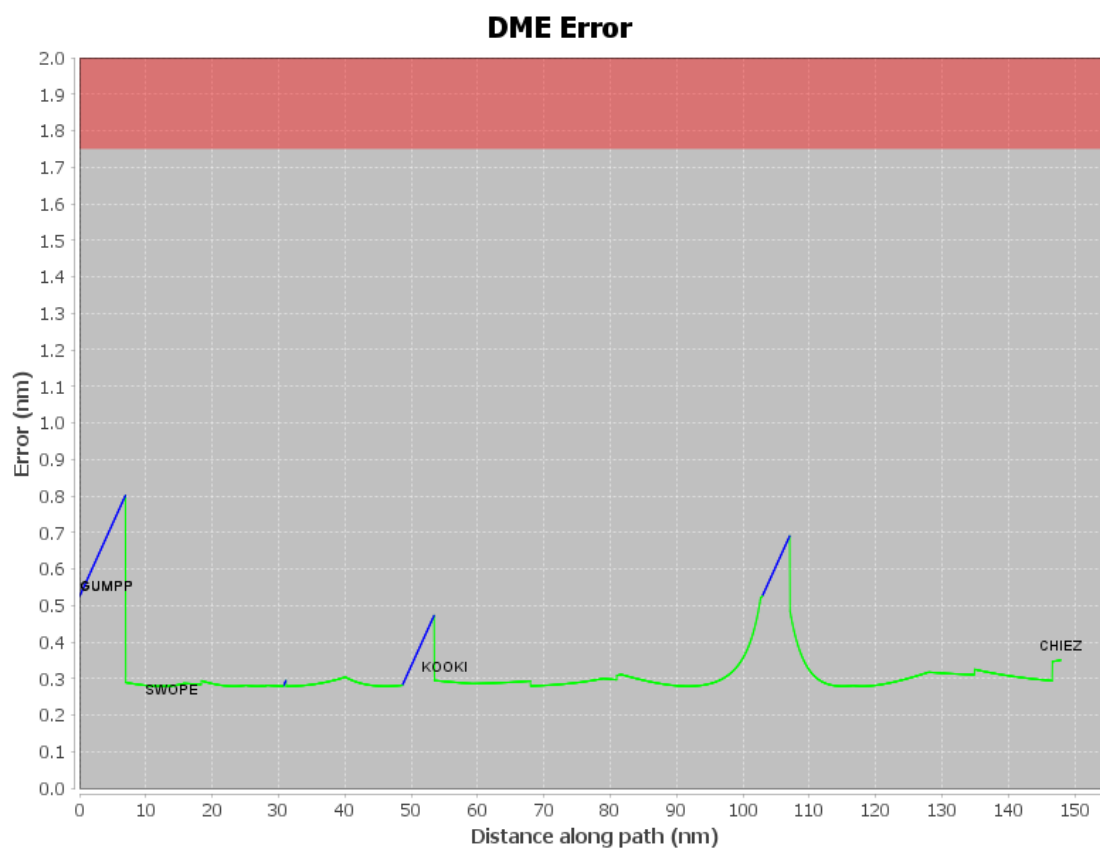
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 44' 45.6630", W076° 15' 53.1108"	N36° 37' 56.2702", W076° 17' 24.8300"	6.9241
2	N36° 16' 02.5674", W076° 28' 25.1222"	N36° 15' 41.7426", W076° 28' 38.1734"	0.3887
3	N36° 00' 01.2184", W076° 38' 25.3438"	N35° 55' 45.1081", W076° 41' 04.4723"	4.7752
4	N35° 11' 25.9177", W077° 08' 12.7716"	N35° 07' 44.7718", W077° 10' 26.6634"	4.1097

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
GUMPP	SWOPE	ORF, CVI, ECG, NGU, LFI, NTU	
SWOPE	KOOKI	ORF, TYI, CVI, ECG, NGU, LFI, NTU	
KOOKI	CHIEZ	ORF, ISO, TYI, CVI, ECG, ILM, EWN, FAY	

DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ

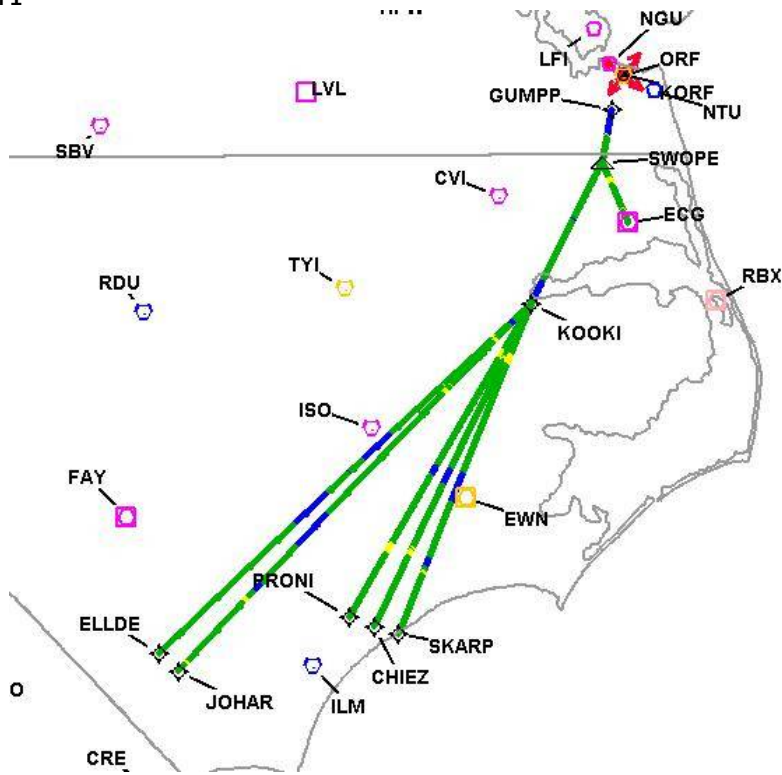
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAY FAA 210252-12 FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	FAY FAA 210252-12	
ESV:		Bearing [True]: 124.0° to 160.0° Bearing [Mag]: 128.0° to 164.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 19000.0 ft		
2	CRE CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	26.4	114.4	CRE	
ESV:		Bearing [True]: 6.0° to 31.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 60.0 NM Altitude: 3900.0 to 14600.0 ft		
3	ESV TYI [IFPA] TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	ESV TYI [IFPA]	
ESV:		Bearing [True]: 91.0° to 182.0° Bearing [Mag]: 96.0° to 187.0°				Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 110.0° to 134.0° Bearing [Mag]: 115.0° to 139.0°				Arc Distance: Out to 52.0 NM Altitude: 3900.0 to 14600.0 ft		
5	ISO 1 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 1	
ESV:		Bearing [True]: 58.0° to 73.0° Bearing [Mag]: 63.0° to 78.0°				Arc Distance: Out to 42.0 NM Altitude: 3900.0 to 18100.0 ft		
6	ISO 2 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 2	
ESV:		Bearing [True]: 213.0° to 228.0° Bearing [Mag]: 218.0° to 233.0°				Arc Distance: Out to 72.0 NM Altitude: 3900.0 to 18100.0 ft		
7	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 96.0° to 118.0° Bearing [Mag]: 100.0° to 122.0°				Arc Distance: Out to 80.0 NM Altitude: 6500.0 to 17000.0 ft		
8	ESV ORF [IFPA] ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	19.6	116.9	ESV ORF [IFPA]	
ESV:		Bearing [True]: 194.0° to 207.0° Bearing [Mag]: 201.0° to 214.0°				Arc Distance: Out to 78.0 NM Altitude: 6000.0 to 17500.0 ft		
9	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 98.0° to 118.0° Bearing [Mag]: 102.0° to 122.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 17500.0 ft		
10	CVI CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	CVI	
ESV:		Bearing [True]: 171.0° to 201.0° Bearing [Mag]: 180.0° to 210.0°				Arc Distance: Out to 53.0 NM Altitude: 3900.0 to 18100.0 ft		
11	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 73.0° to 85.0° Bearing [Mag]: 77.0° to 89.0°				Arc Distance: Out to 70.0 NM Altitude: 6000.0 to 10000.0 ft		

DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ



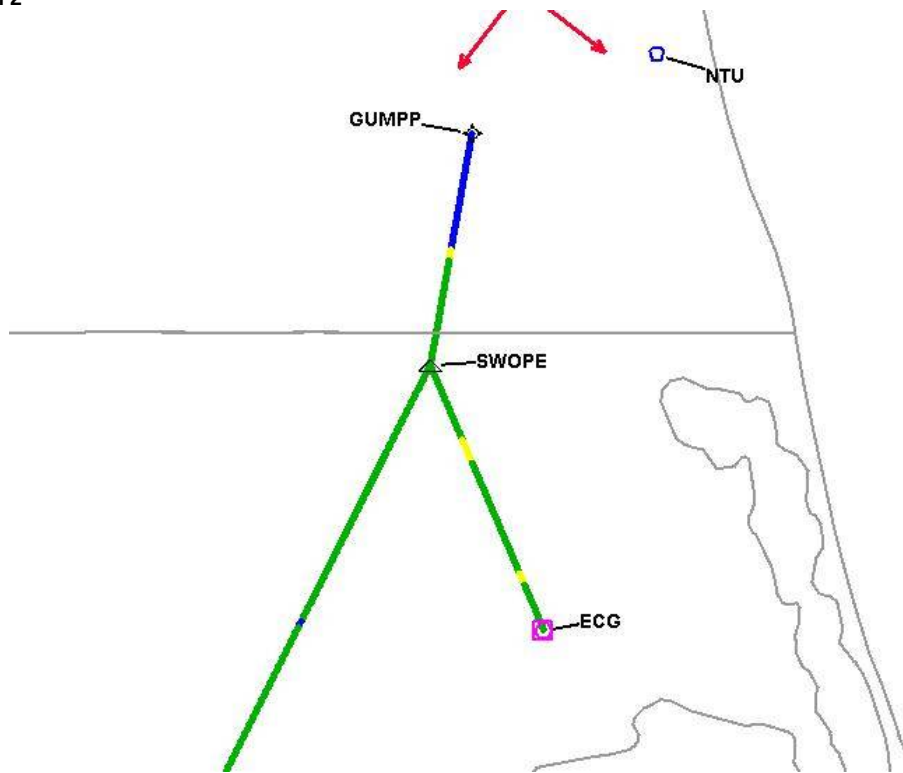
DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ

Graphic Depiction 1



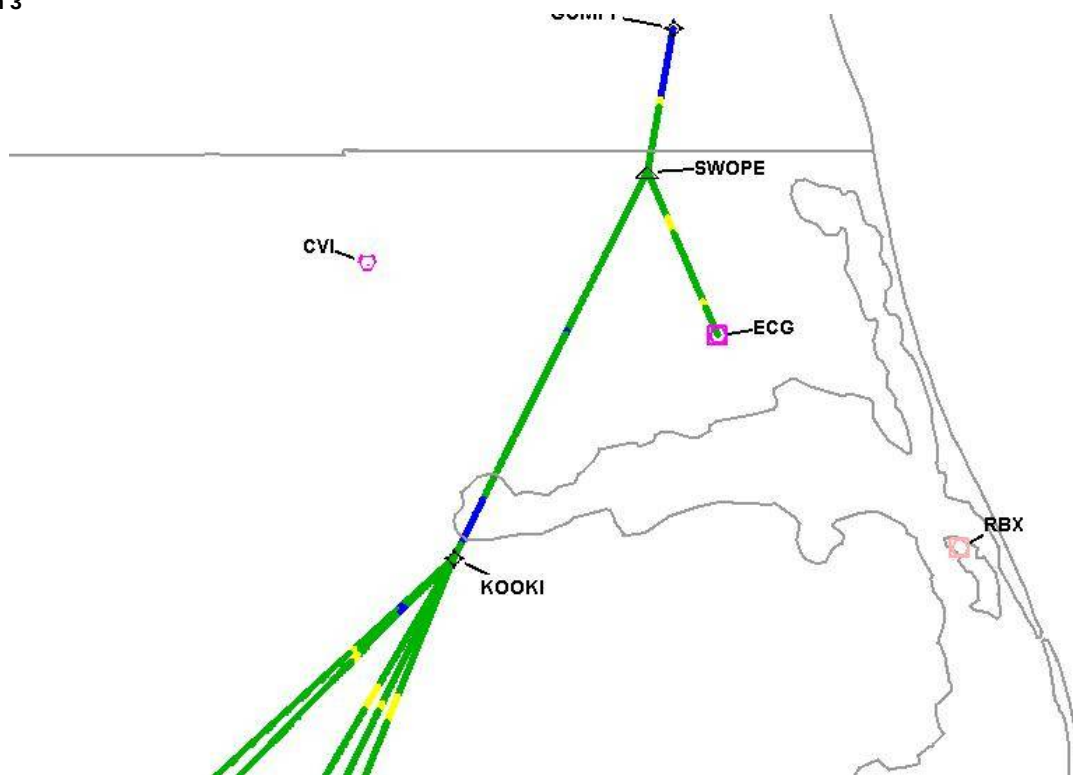
DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ

Graphic Depiction 2



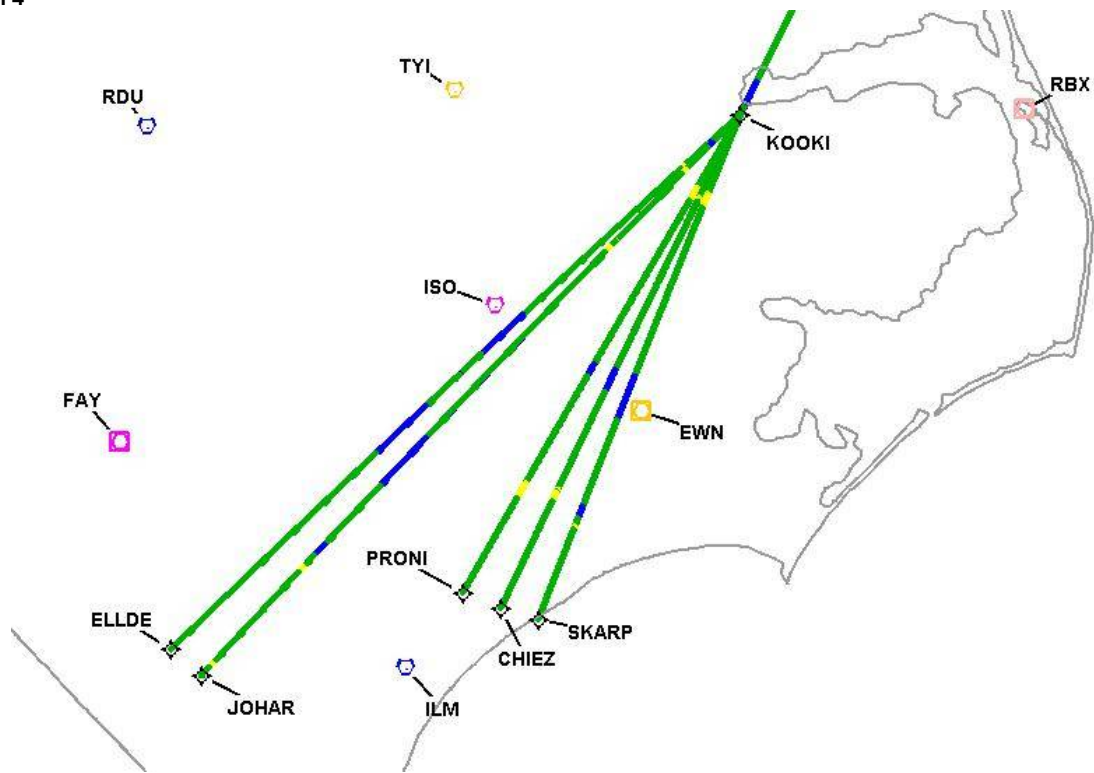
DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ

Graphic Depiction 3



DME DME Assessment Results for SWOPE1 path GUMPP_CHIEZ

Graphic Depiction 4



DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF SWOPE1 (RNAV) SID DME_DME_20241028.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF [IFPA] SWOPE1 20241113_0801 EST\KOOKI_ELLDE\KORF SWOPE1 SID KOOKI ELLDE 20241113_0801 EST.pdf
Procedure Name:	SWOPE1
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/13/2024 08:01 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KOOKI	WP	N35° 54' 21.7100", W076° 41' 56.2200"	6000	VNAV	200	FLY_BY	TF
ELLDE	WP	N34° 24' 14.5700", W078° 41' 50.6000"	8000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KORF [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 SWOPE1 path KOOKI_ELLDE

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H		NO	Enabled	3.3 %	3.3 %
2	ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	L		NO	Enabled	63.1 %	63.1 %
3	CTF	N34° 39' 01.7930", W080° 16' 29.6989"	3.0 W	130	DH		NO	Enabled	13.5 %	13.5 %
4	TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	H		NO	Enabled	40.7 %	40.7 %
5	CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	L		NO	Enabled	17.7 %	17.7 %
6	CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	H		NO	Enabled	16.1 %	16.1 %
7	ECG	N36° 15' 27.2631", W076° 10' 32.1519"	7.0 W	40	L		NO	Enabled	5 %	5 %
8	ILM	N34° 21' 05.9336", W077° 52' 27.7694"	7.0 W	130	H		NO	Enabled	31.4 %	31.4 %
9	EWN	N35° 04' 23.3090", W077° 02' 42.2369"	8.0 W	40	L		NO	Enabled	17.4 %	17.4 %
10	FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	L		NO	Enabled	38.7 %	38.7 %

DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	TYI	ORF	ECG			
3.9	TYI	ECG				
6.7						
7.3	TYI	CVI				
12.9	TYI	CVI	ORF	ISO		
13.6	TYI	CVI	ISO			
30.7	TYI	ISO	EWN	CVI		
30.9	TYI	ISO	EWN			
47.2	TYI	ISO				
49.3	TYI	ISO	EWN			
49.7	TYI	EWN				
50.1						
60.0	TYI	FAY				
64.9						
65.1	FAY	ISO				
66.8	EWN	ISO	FAY			
70.8	EWN	ISO				
72.9						
84.6	ILM	ISO				
92.2	FAY	ILM	ISO			
105.9	ISO	ILM	CRE	FAY		
115.2	ISO	FAY	CRE	ILM	CTF	
124.2	CRE	ILM	CTF	FAY		
125.1	CTF	FAY	ILM			
126.5	CTF	FAY				
130.9	CRE	CTF	FAY			

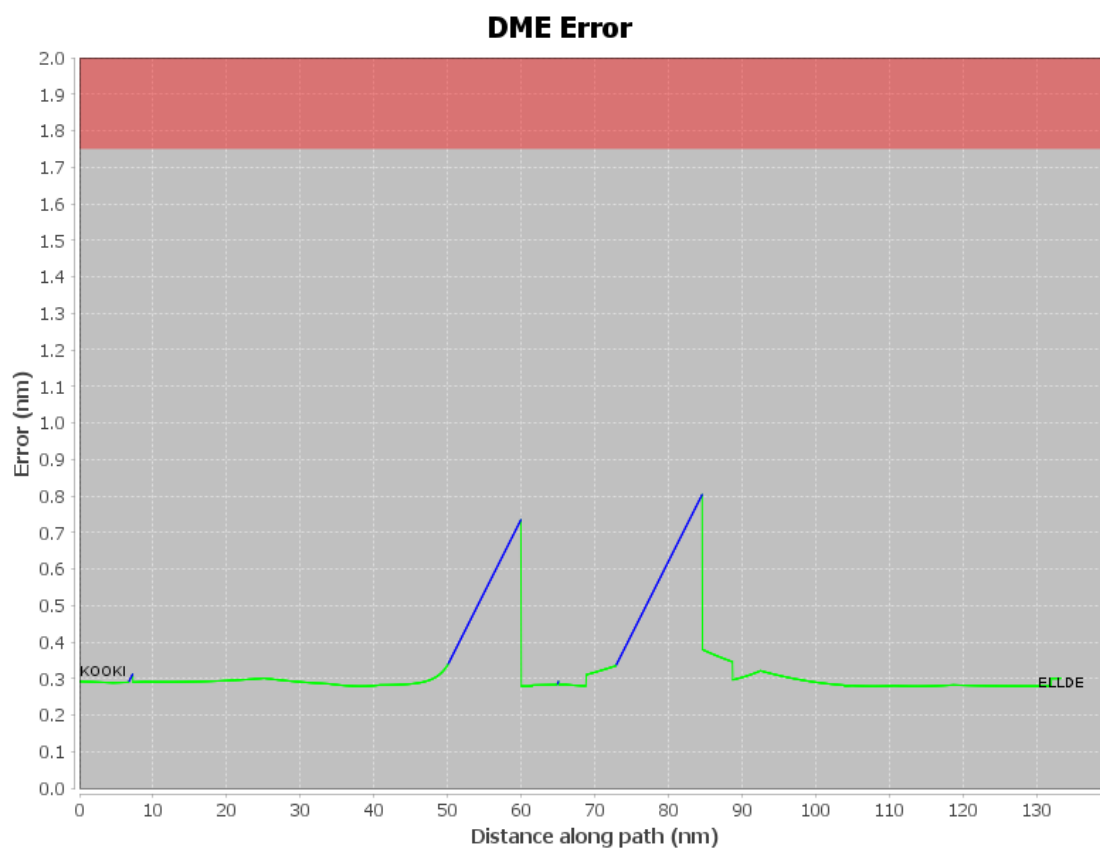
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 49' 51.8996", W076° 48' 05.4885"	N35° 49' 29.5870", W076° 48' 35.9755"	0.5555
2	N35° 20' 42.8104", W077° 27' 32.3528"	N35° 14' 02.3570", W077° 36' 27.8119"	9.8883
3	N35° 10' 44.1346", W077° 40' 51.9930"	N35° 10' 35.1207", W077° 41' 03.9928"	0.2222
4	N35° 05' 19.4223", W077° 48' 03.5215"	N34° 57' 22.8518", W077° 58' 34.1162"	11.7215

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KOOKI	ELLDE	ORF, ISO, CTF, TYI, CVI, CRE, ECG, ILM, EWN, FAY	

DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE

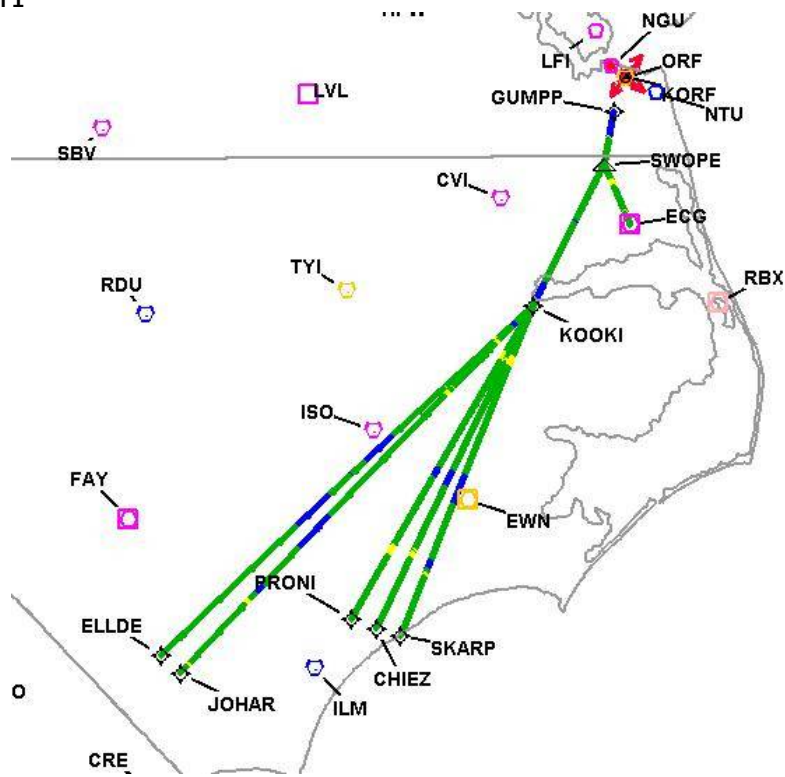
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAY FAA 210252-12 FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	FAY FAA 210252-12	
ESV:		Bearing [True]: 124.0° to 160.0° Bearing [Mag]: 128.0° to 164.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 19000.0 ft		
2	CRE CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	26.4	114.4	CRE	
ESV:		Bearing [True]: 6.0° to 31.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 60.0 NM Altitude: 3900.0 to 14600.0 ft		
3	ESV TYI [IFPA] TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	ESV TYI [IFPA]	
ESV:		Bearing [True]: 91.0° to 182.0° Bearing [Mag]: 96.0° to 187.0°				Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 110.0° to 134.0° Bearing [Mag]: 115.0° to 139.0°				Arc Distance: Out to 52.0 NM Altitude: 3900.0 to 14600.0 ft		
5	ISO 1 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 1	
ESV:		Bearing [True]: 58.0° to 73.0° Bearing [Mag]: 63.0° to 78.0°				Arc Distance: Out to 42.0 NM Altitude: 3900.0 to 18100.0 ft		
6	ISO 2 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 2	
ESV:		Bearing [True]: 213.0° to 228.0° Bearing [Mag]: 218.0° to 233.0°				Arc Distance: Out to 72.0 NM Altitude: 3900.0 to 18100.0 ft		
7	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 96.0° to 118.0° Bearing [Mag]: 100.0° to 122.0°				Arc Distance: Out to 80.0 NM Altitude: 6500.0 to 17000.0 ft		
8	ESV ORF [IFPA] ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	19.6	116.9	ESV ORF [IFPA]	
ESV:		Bearing [True]: 194.0° to 207.0° Bearing [Mag]: 201.0° to 214.0°				Arc Distance: Out to 78.0 NM Altitude: 6000.0 to 17500.0 ft		
9	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 98.0° to 118.0° Bearing [Mag]: 102.0° to 122.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 17500.0 ft		
10	CVI CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	CVI	
ESV:		Bearing [True]: 171.0° to 201.0° Bearing [Mag]: 180.0° to 210.0°				Arc Distance: Out to 53.0 NM Altitude: 3900.0 to 18100.0 ft		
11	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 73.0° to 85.0° Bearing [Mag]: 77.0° to 89.0°				Arc Distance: Out to 70.0 NM Altitude: 6000.0 to 10000.0 ft		

DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE



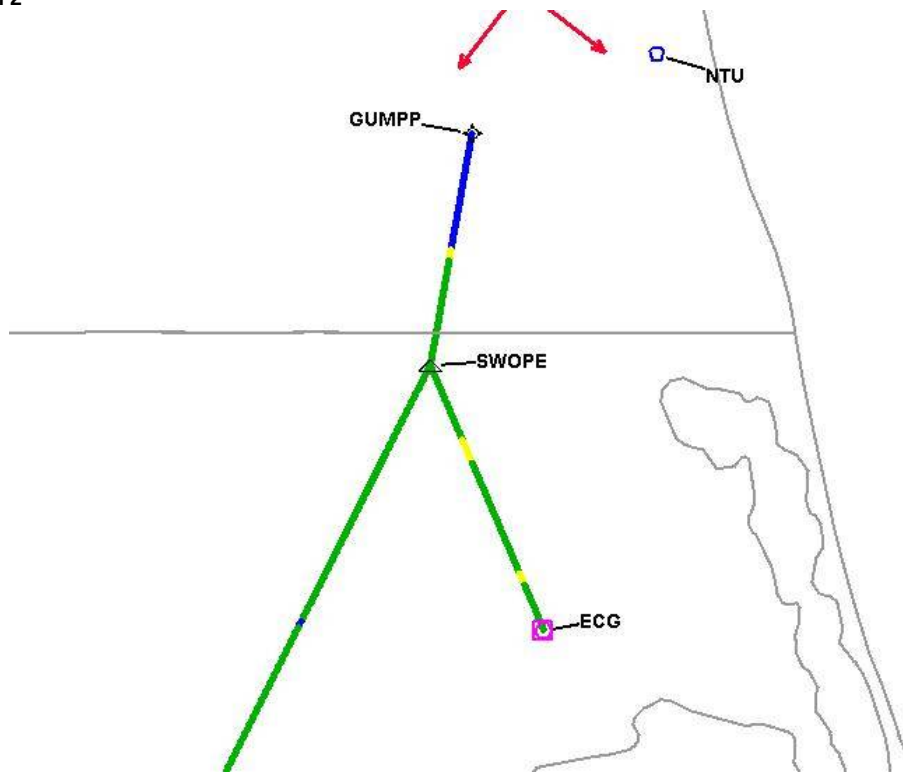
DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE

Graphic Depiction 1



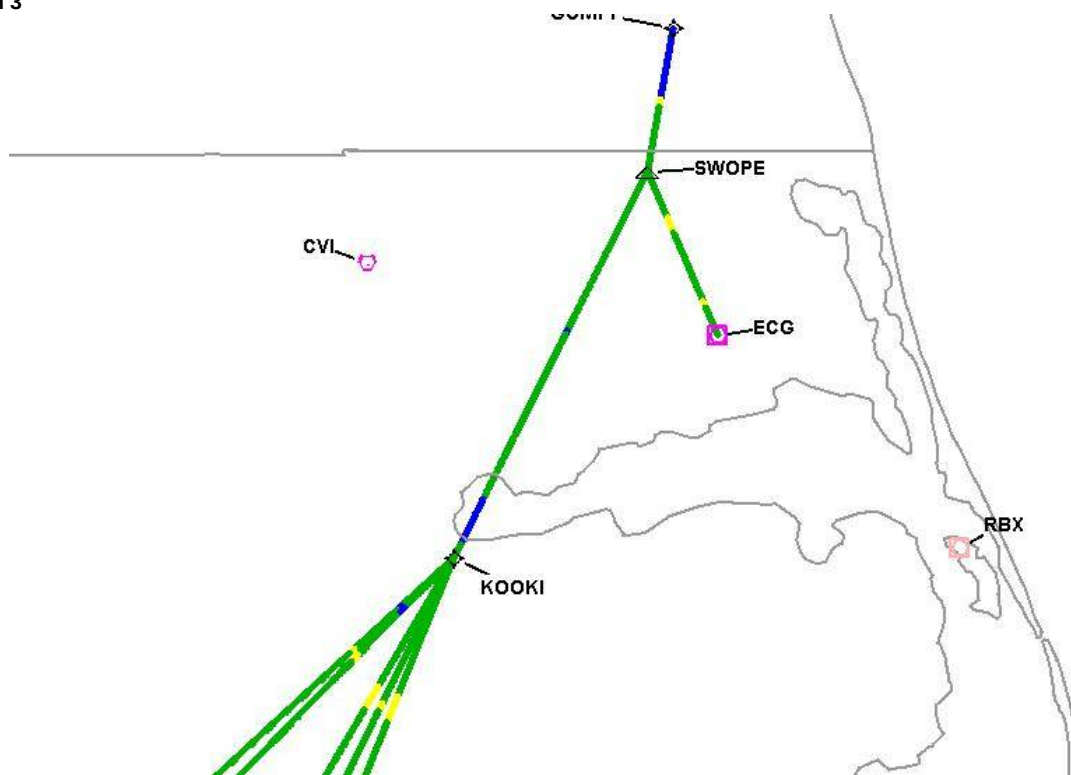
DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE

Graphic Depiction 2



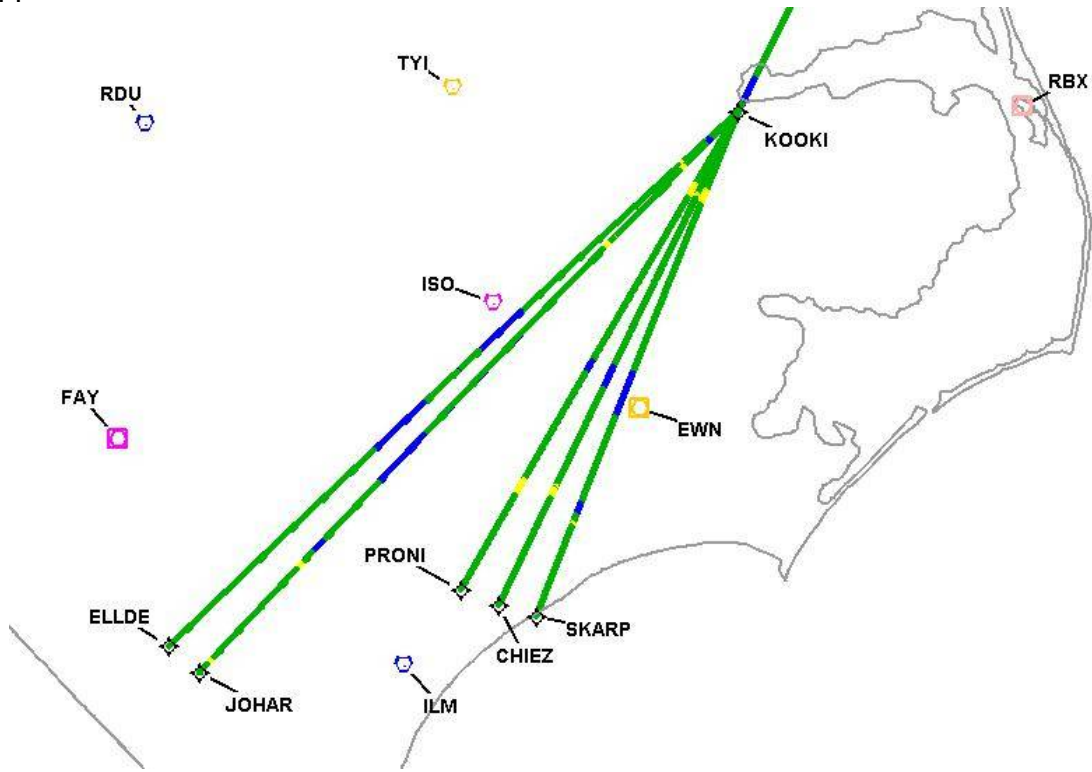
DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE

Graphic Depiction 3



DME DME Assessment Results for SWOPE1 path KOOKI_ELLDE

Graphic Depiction 4



DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF SWOPE1 (RNAV) SID DME_DME_20241028.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF [IFPA] SWOPE1 20241113_0801 EST\KOOKI_JOHAR\KORF SWOPE1 SID KOOKI JOHAR 20241113_0801 EST.pdf
Procedure Name:	SWOPE1
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/13/2024 08:01 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KOOKI	WP	N35° 54' 21.7100", W076° 41' 56.2200"	6000	VNAV	200	FLY_BY	TF
JOHAR	WP	N34° 19' 41.3500", W078° 35' 37.1600"	7000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KORF [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 SWOPE1 path KOOKI_JOHAR

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H		NO	Enabled	3.8 %	3.8 %
2	ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	L		NO	Enabled	60.7 %	60.7 %
3	CTF	N34° 39' 01.7930", W080° 16' 29.6989"	3.0 W	130	DH		NO	Enabled	0.5 %	0.5 %
4	TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	H		NO	Enabled	50.4 %	50.4 %
5	CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	L		NO	Enabled	16.7 %	16.7 %
6	CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	H		NO	Enabled	21.4 %	21.4 %
7	ECG	N36° 15' 27.2631", W076° 10' 32.1519"	7.0 W	40	L		NO	Enabled	4.9 %	4.9 %
8	ILM	N34° 21' 05.9336", W077° 52' 27.7694"	7.0 W	130	H		NO	Enabled	31.8 %	31.8 %
9	EWN	N35° 04' 23.3090", W077° 02' 42.2369"	8.0 W	40	L		NO	Enabled	30.5 %	30.5 %
10	FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	L		NO	Enabled	34.9 %	34.9 %

DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	TYI	ORF	ECG			
4.2	TYI	ECG				
6.6						
7.8	TYI	CVI				
13.0	TYI	CVI	ORF	ISO		
13.9	TYI	CVI	ISO			
18.2	TYI	EWN	CVI	ISO		
19.9	TYI	CVI	ISO			
30.0	EWN	ISO	TYI			
46.6	TYI	ISO				
49.6	TYI	ISO	EWN			
51.5	TYI	EWN				
54.4	TYI	EWN	ISO			
57.5	TYI	FAY	ISO	EWN		
59.8	TYI	FAY	ISO			
64.4	TYI	FAY	EWN	ISO		
66.7	TYI	EWN	ISO			
68.2	EWN	ISO				
76.6						
87.9	ILM	ISO				
88.1	FAY	ILM	ISO			
90.8	FAY	ILM				
101.8						
104.4	CRE	ILM				
106.3	ISO	ILM	CRE			
107.0	ISO	FAY	CRE	ILM		
123.5	CRE	ILM	FAY			
129.7	ILM	CRE	FAY	CTF		
130.5	ILM	CRE				

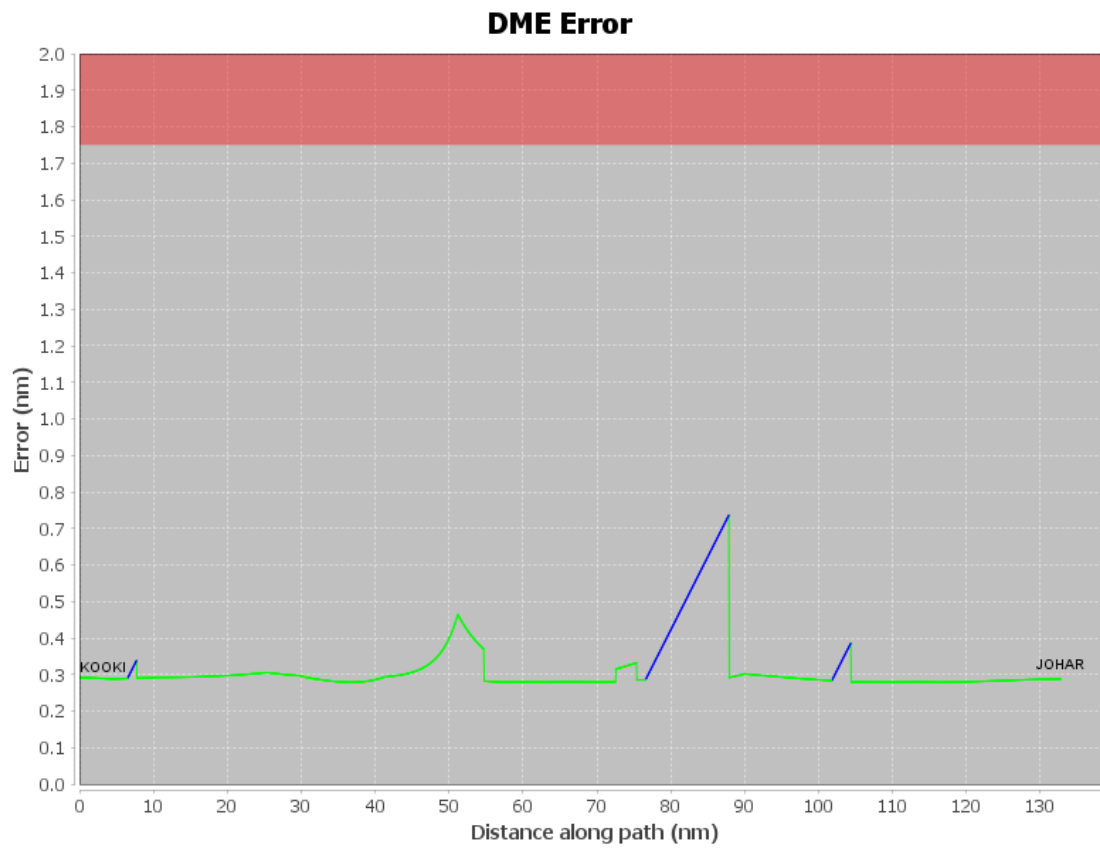
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 49' 43.9466", W076° 47' 39.0889"	N35° 48' 52.1298", W076° 48' 42.9402"	1.2217
2	N34° 59' 56.3662", W077° 48' 05.0582"	N34° 51' 52.9665", W077° 57' 41.4365"	11.2731
3	N34° 41' 54.2053", W078° 09' 31.5143"	N34° 40' 04.3460", W078° 11' 41.3396"	2.5545

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KOOKI	JOHAR	ORF, ISO, CTF, TYI, CVI, CRE, ECG, ILM, EWN, FAY	

DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR

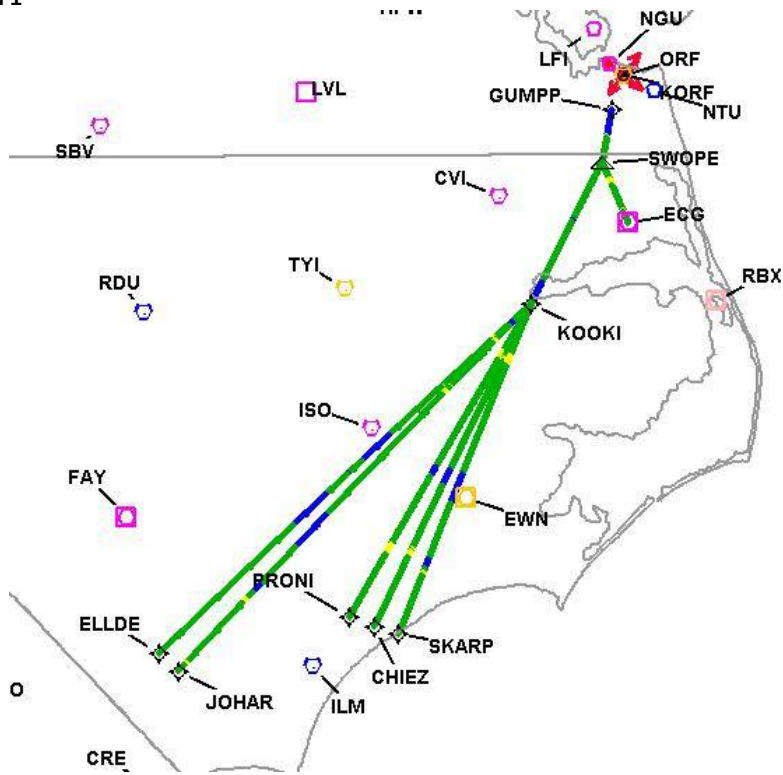
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAY FAA 210252-12 FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	FAY FAA 210252-12	
ESV:		Bearing [True]: 124.0° to 160.0° Bearing [Mag]: 128.0° to 164.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 19000.0 ft		
2	CRE CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	26.4	114.4	CRE	
ESV:		Bearing [True]: 6.0° to 31.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 60.0 NM Altitude: 3900.0 to 14600.0 ft		
3	ESV TYI [IFPA] TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	ESV TYI [IFPA]	
ESV:		Bearing [True]: 91.0° to 182.0° Bearing [Mag]: 96.0° to 187.0°				Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 110.0° to 134.0° Bearing [Mag]: 115.0° to 139.0°				Arc Distance: Out to 52.0 NM Altitude: 3900.0 to 14600.0 ft		
5	ISO 1 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 1	
ESV:		Bearing [True]: 58.0° to 73.0° Bearing [Mag]: 63.0° to 78.0°				Arc Distance: Out to 42.0 NM Altitude: 3900.0 to 18100.0 ft		
6	ISO 2 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 2	
ESV:		Bearing [True]: 213.0° to 228.0° Bearing [Mag]: 218.0° to 233.0°				Arc Distance: Out to 72.0 NM Altitude: 3900.0 to 18100.0 ft		
7	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 96.0° to 118.0° Bearing [Mag]: 100.0° to 122.0°				Arc Distance: Out to 80.0 NM Altitude: 6500.0 to 17000.0 ft		
8	ESV ORF [IFPA] ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	19.6	116.9	ESV ORF [IFPA]	
ESV:		Bearing [True]: 194.0° to 207.0° Bearing [Mag]: 201.0° to 214.0°				Arc Distance: Out to 78.0 NM Altitude: 6000.0 to 17500.0 ft		
9	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 98.0° to 118.0° Bearing [Mag]: 102.0° to 122.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 17500.0 ft		
10	CVI CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	CVI	
ESV:		Bearing [True]: 171.0° to 201.0° Bearing [Mag]: 180.0° to 210.0°				Arc Distance: Out to 53.0 NM Altitude: 3900.0 to 18100.0 ft		
11	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 73.0° to 85.0° Bearing [Mag]: 77.0° to 89.0°				Arc Distance: Out to 70.0 NM Altitude: 6000.0 to 10000.0 ft		

DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR



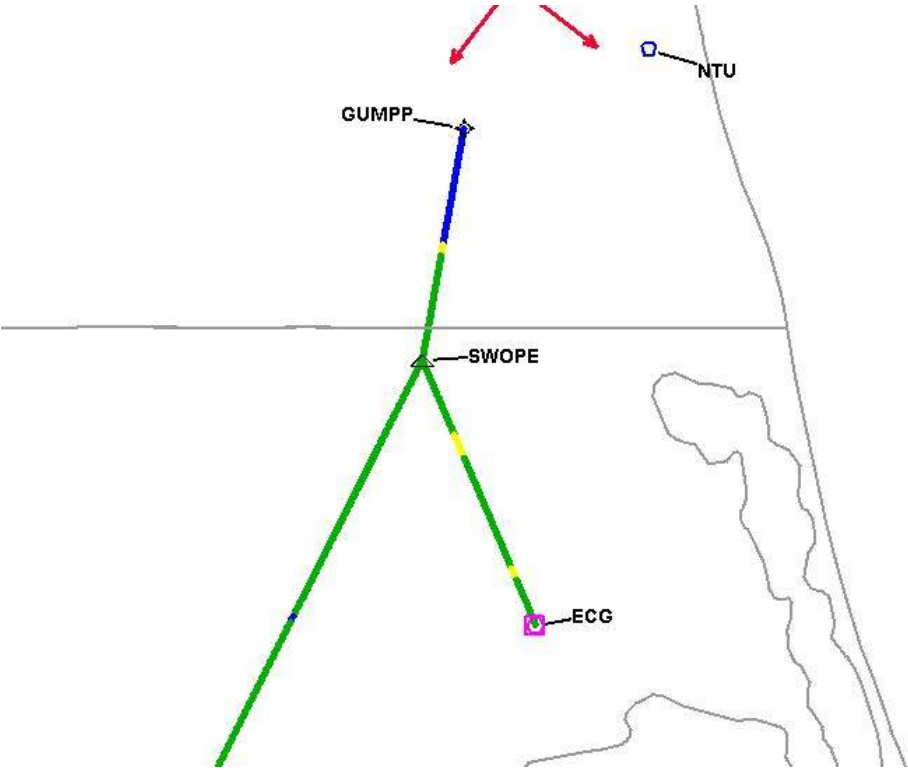
DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR

Graphic Depiction 1



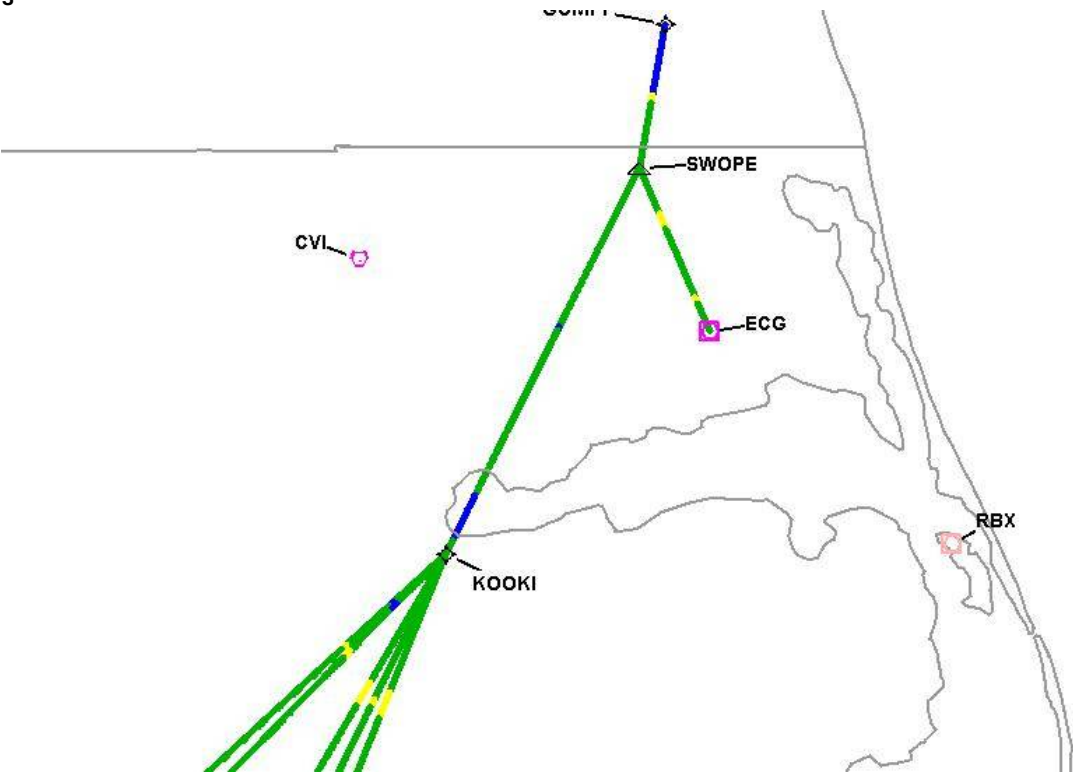
DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR

Graphic Depiction 2



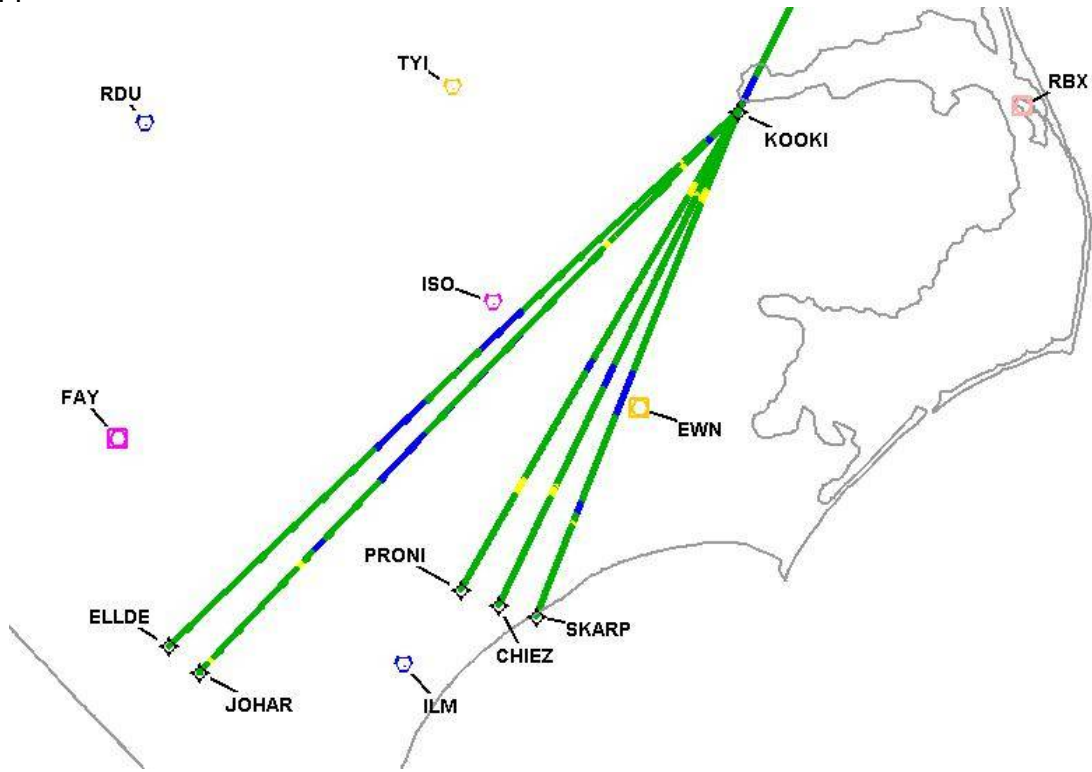
DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR

Graphic Depiction 3



DME DME Assessment Results for SWOPE1 path KOOKI_JOHAR

Graphic Depiction 4



DME DME Assessment Results for SWOPE1 path KOOKI_PRONI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF SWOPE1 (RNAV) SID DME_DME_20241028.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF [IFPA] SWOPE1 20241113_0801 EST\KOOKI_PRONI\KORF SWOPE1 SID KOOKI PRONI 20241113_0801 EST.pdf
Procedure Name:	SWOPE1
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/13/2024 08:01 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KOOKI	WP	N35° 54' 21.7100", W076° 41' 56.2200"	6000	VNAV	200	FLY_BY	TF
PRONI	WP	N34° 33' 40.6300", W077° 40' 27.8900"	7000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KORF [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 SWOPE1 path KOOKI_PRONI

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H		NO	Enabled	14.5 %	14.5 %
2	ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	L		NO	Enabled	65.3 %	65.3 %
3	TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	H		NO	Enabled	77.4 %	77.4 %
4	CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	L		NO	Enabled	16.8 %	16.8 %
5	ECG	N36° 15' 27.2631", W076° 10' 32.1519"	7.0 W	40	L		NO	Enabled	6.3 %	6.3 %
6	ILM	N34° 21' 05.9336", W077° 52' 27.7694"	7.0 W	130	H		NO	Enabled	25.2 %	25.2 %
7	EWN	N35° 04' 23.3090", W077° 02' 42.2369"	8.0 W	40	L		NO	Enabled	73.6 %	73.6 %
8	FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	L		NO	Enabled	21.8 %	21.8 %

DME DME Assessment Results for SWOPE1 path KOOKI_PRONI

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	TYI	ORF	ECG			
6.0	TYI	ORF				
10.9	TYI	ORF	CVI			
13.7	TYI	CVI				
14.3	TYI	EWN	CVI	ISO		
26.7	EWN	ISO	TYI			
46.2	TYI	ISO				
48.9						
51.4	TYI	EWN				
54.5	TYI	EWN	ISO			
70.1	EWN	ISO	TYI	ILM		
73.3	FAY	ISO	TYI	EWN	ILM	
75.1	FAY	ISO	ILM	EWN		
81.2	FAY	ILM	EWN			
88.6	FAY	ILM				

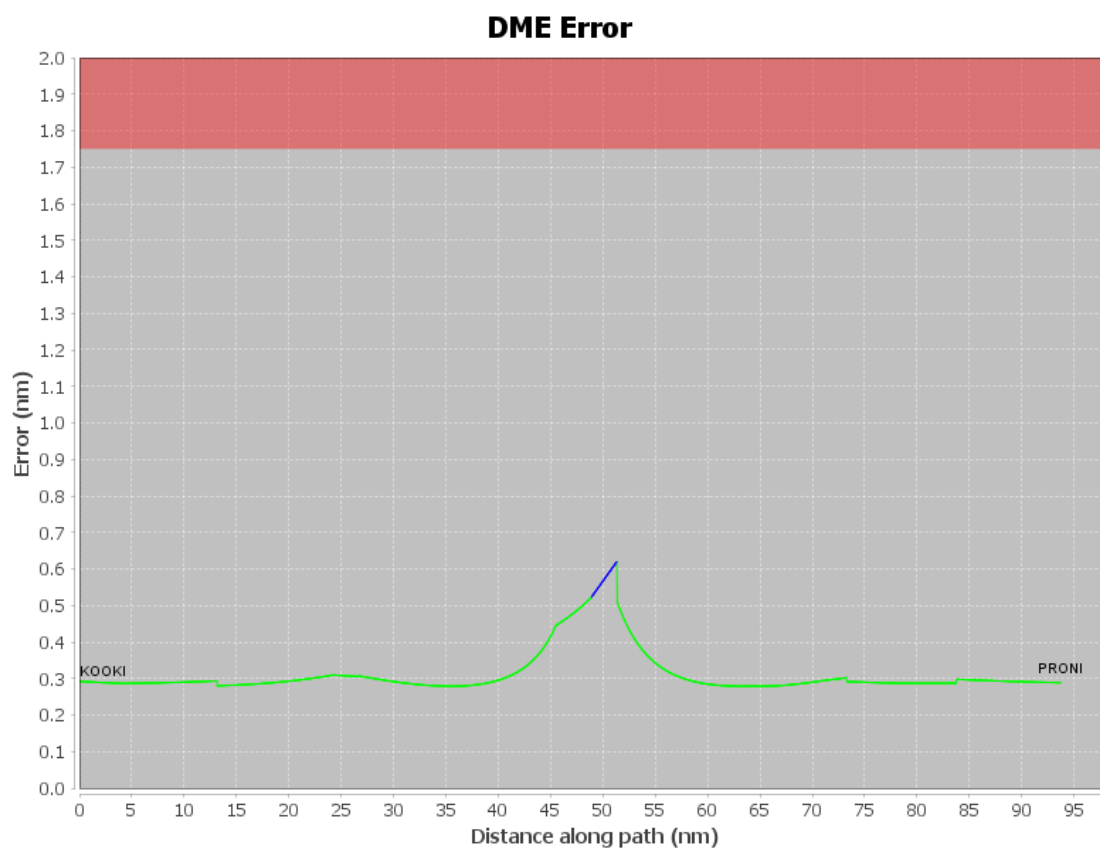
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 12' 18.7191", W077° 12' 43.4820"	N35° 10' 12.5005", W077° 14' 14.9033"	2.4436

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KOOKI	PRONI	ORF, ISO, TYI, CVI, ECG, ILM, EWN, FAY	

DME DME Assessment Results for SWOPE1 path KOOKI_PRONI

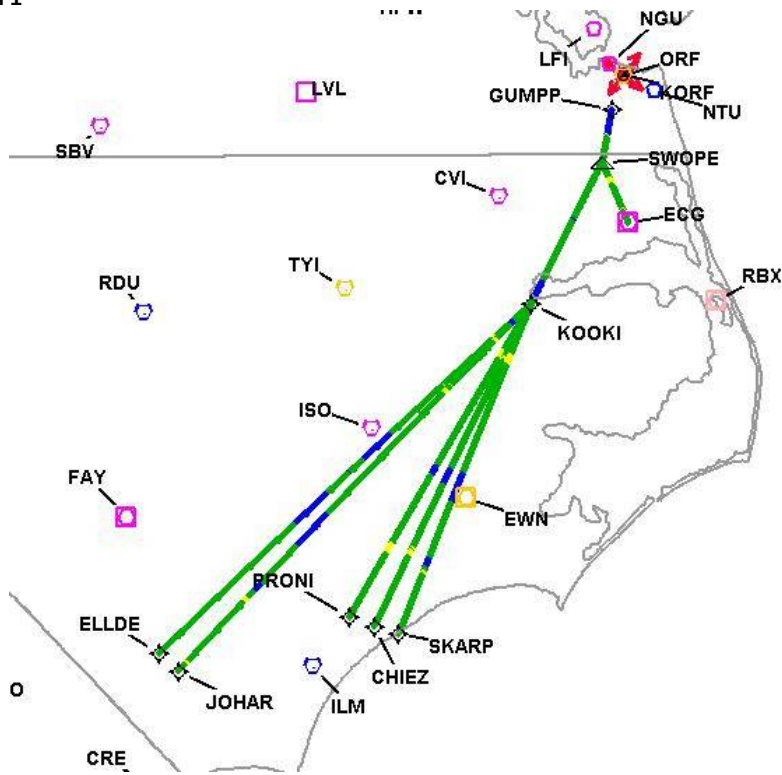
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAY FAA 210252-12 FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	FAY FAA 210252-12	
ESV:		Bearing [True]: 124.0° to 160.0° Bearing [Mag]: 128.0° to 164.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 19000.0 ft		
2	CRE CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	26.4	114.4	CRE	
ESV:		Bearing [True]: 6.0° to 31.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 60.0 NM Altitude: 3900.0 to 14600.0 ft		
3	ESV TYI [IFPA] TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	ESV TYI [IFPA]	
ESV:		Bearing [True]: 91.0° to 182.0° Bearing [Mag]: 96.0° to 187.0°				Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 110.0° to 134.0° Bearing [Mag]: 115.0° to 139.0°				Arc Distance: Out to 52.0 NM Altitude: 3900.0 to 14600.0 ft		
5	ISO 1 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 1	
ESV:		Bearing [True]: 58.0° to 73.0° Bearing [Mag]: 63.0° to 78.0°				Arc Distance: Out to 42.0 NM Altitude: 3900.0 to 18100.0 ft		
6	ISO 2 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 2	
ESV:		Bearing [True]: 213.0° to 228.0° Bearing [Mag]: 218.0° to 233.0°				Arc Distance: Out to 72.0 NM Altitude: 3900.0 to 18100.0 ft		
7	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 96.0° to 118.0° Bearing [Mag]: 100.0° to 122.0°				Arc Distance: Out to 80.0 NM Altitude: 6500.0 to 17000.0 ft		
8	ESV ORF [IFPA] ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	19.6	116.9	ESV ORF [IFPA]	
ESV:		Bearing [True]: 194.0° to 207.0° Bearing [Mag]: 201.0° to 214.0°				Arc Distance: Out to 78.0 NM Altitude: 6000.0 to 17500.0 ft		
9	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 98.0° to 118.0° Bearing [Mag]: 102.0° to 122.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 17500.0 ft		
10	CVI CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	CVI	
ESV:		Bearing [True]: 171.0° to 201.0° Bearing [Mag]: 180.0° to 210.0°				Arc Distance: Out to 53.0 NM Altitude: 3900.0 to 18100.0 ft		
11	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 73.0° to 85.0° Bearing [Mag]: 77.0° to 89.0°				Arc Distance: Out to 70.0 NM Altitude: 6000.0 to 10000.0 ft		

DME DME Assessment Results for SWOPE1 path KOOKI_PRONI



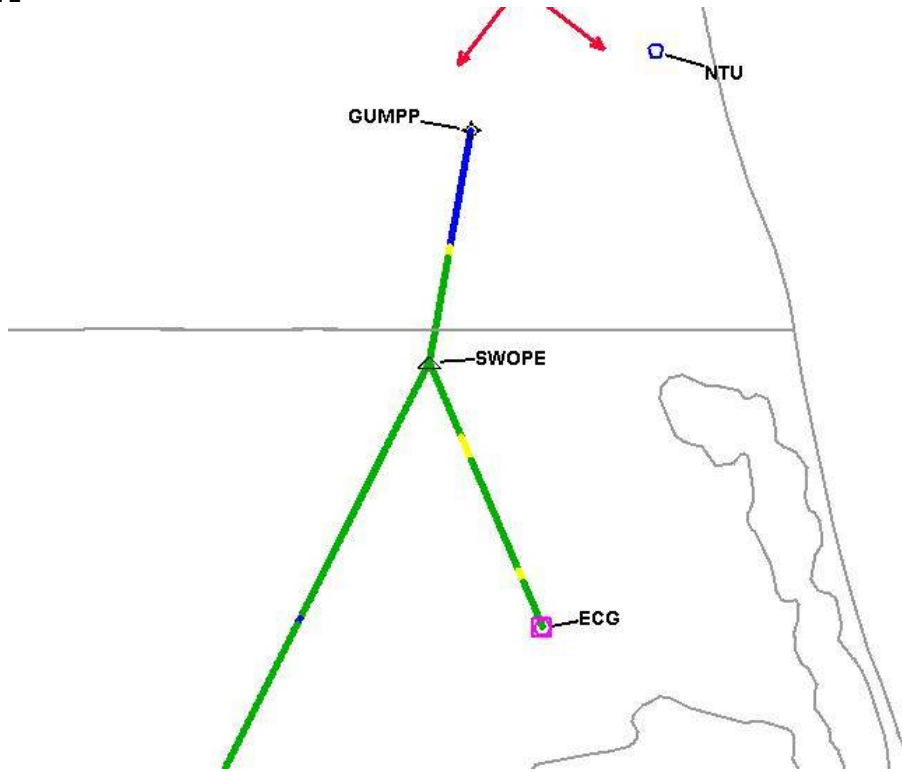
DME DME Assessment Results for SWOPE1 path KOOKI_PRONI

Graphic Depiction 1



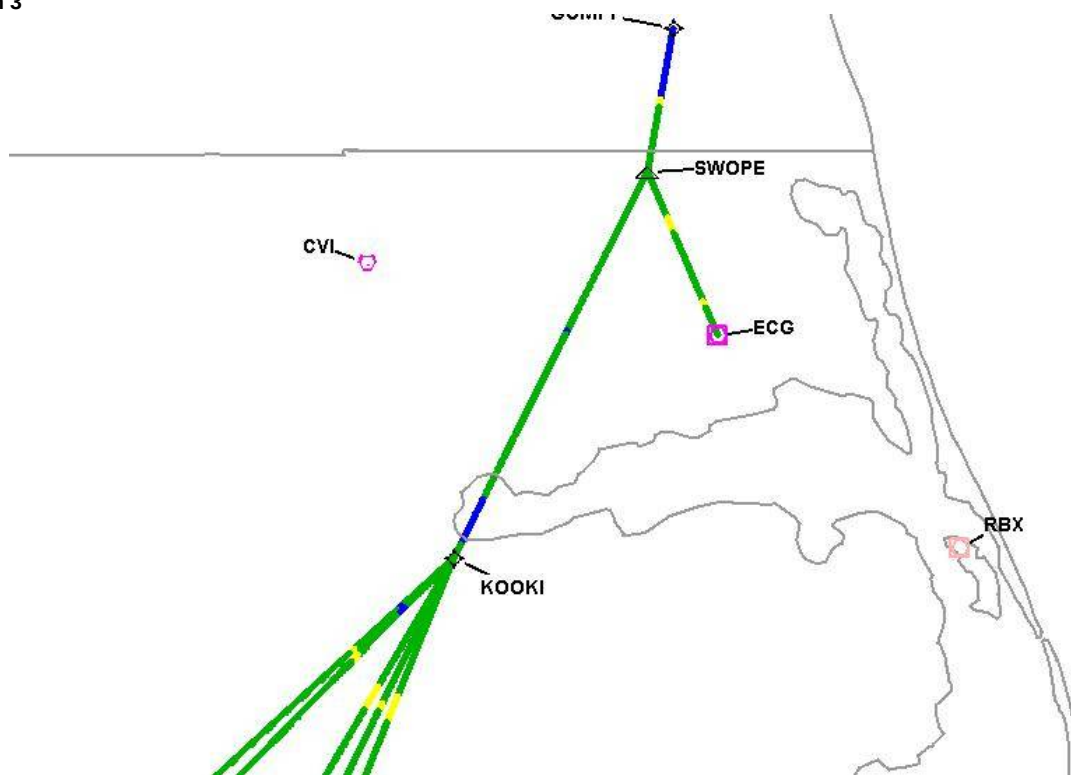
DME DME Assessment Results for SWOPE1 path KOOKI_PRONI

Graphic Depiction 2



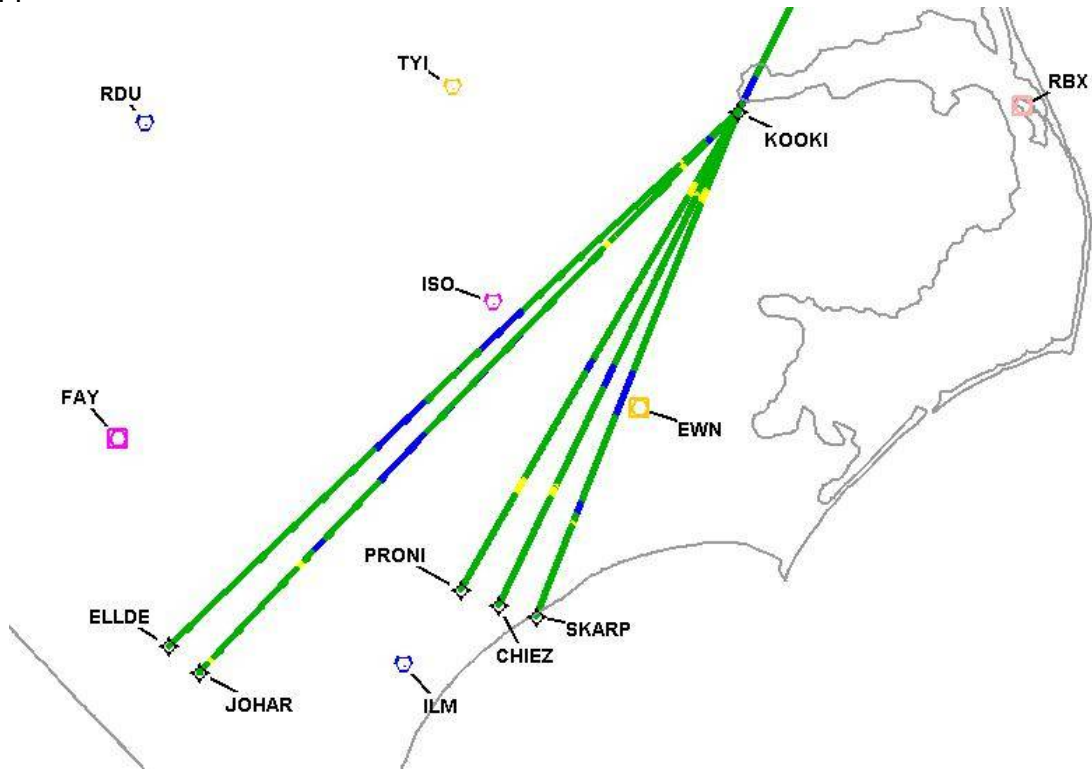
DME DME Assessment Results for SWOPE1 path KOOKI_PRONI

Graphic Depiction 3



DME DME Assessment Results for SWOPE1 path KOOKI_PRONI

Graphic Depiction 4



DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF SWOPE1 (RNAV) SID DME_DME_20241028.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF [IFPA] SWOPE1 20241113_0801 EST\KOOKI_SKARP\KORF SWOPE1 SID KOOKI SKARP 20241113_0801 EST.pdf
Procedure Name:	SWOPE1
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/13/2024 08:01 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KOOKI	WP	N35° 54' 21.7100", W076° 41' 56.2200"	6000	VNAV	200	FLY_BY	TF
SKARP	WP	N34° 29' 10.3000", W077° 24' 37.5400"	8000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KORF [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 SWOPE1 path KOOKI_SKARP

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H		NO	Enabled	15.2 %	15.2 %
2	ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	L		NO	Enabled	53.5 %	53.5 %
3	TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	H		NO	Enabled	58.5 %	58.5 %
4	CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	L		NO	Enabled	12.1 %	12.1 %
5	ECG	N36° 15' 27.2631", W076° 10' 32.1519"	7.0 W	40	L		NO	Enabled	6.3 %	6.3 %
6	ILM	N34° 21' 05.9336", W077° 52' 27.7694"	7.0 W	130	H		NO	Enabled	18.6 %	18.6 %
7	EWN	N35° 04' 23.3090", W077° 02' 42.2369"	8.0 W	40	L		NO	Enabled	74.1 %	74.1 %
8	FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	L		NO	Enabled	20.2 %	20.2 %

DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	TYI	ORF	ECG			
5.8	TYI	ORF				
13.4	TYI	EWN	ORF			
14.0	TYI	EWN				
14.1	TYI	EWN	CVI			
14.3	TYI	EWN	ISO	CVI		
25.3	TYI	EWN	ISO			
46.9	EWN	ISO				
47.5						
55.5	TYI	EWN	ISO			
62.6	EWN	ISO				
71.2						
73.4	FAY	EWN				
74.9	ILM	ISO	FAY	EWN		
75.4	FAY	EWN	ILM			
91.9	FAY	ILM				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 10' 21.6079", W077° 04' 11.3119"	N35° 02' 57.0476", W077° 07' 53.5415"	7.9973
2	N34° 48' 26.0984", W077° 15' 06.8105"	N34° 46' 22.5220", W077° 16' 08.0618"	2.2215

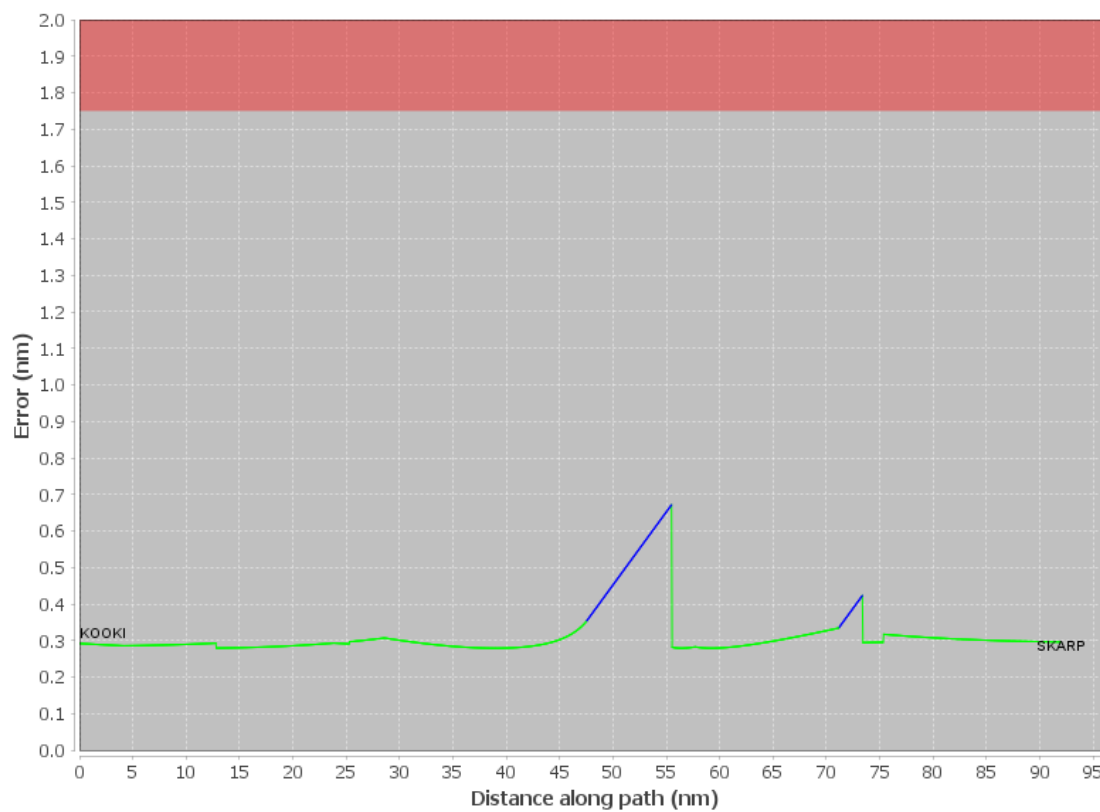
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KOOKI	SKARP	ORF, ISO, TYI, CVI, ECG, ILM, EWN, FAY	

DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAY FAA 210252-12 FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	FAY FAA 210252-12	
ESV:		Bearing [True]: 124.0° to 160.0° Bearing [Mag]: 128.0° to 164.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 19000.0 ft		
2	CRE CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	26.4	114.4	CRE	
ESV:		Bearing [True]: 6.0° to 31.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 60.0 NM Altitude: 3900.0 to 14600.0 ft		
3	ESV TYI [IFPA] TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	ESV TYI [IFPA]	
ESV:		Bearing [True]: 91.0° to 182.0° Bearing [Mag]: 96.0° to 187.0°				Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 110.0° to 134.0° Bearing [Mag]: 115.0° to 139.0°				Arc Distance: Out to 52.0 NM Altitude: 3900.0 to 14600.0 ft		
5	ISO 1 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 1	
ESV:		Bearing [True]: 58.0° to 73.0° Bearing [Mag]: 63.0° to 78.0°				Arc Distance: Out to 42.0 NM Altitude: 3900.0 to 18100.0 ft		
6	ISO 2 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 2	
ESV:		Bearing [True]: 213.0° to 228.0° Bearing [Mag]: 218.0° to 233.0°				Arc Distance: Out to 72.0 NM Altitude: 3900.0 to 18100.0 ft		
7	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 96.0° to 118.0° Bearing [Mag]: 100.0° to 122.0°				Arc Distance: Out to 80.0 NM Altitude: 6500.0 to 17000.0 ft		
8	ESV ORF [IFPA] ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	19.6	116.9	ESV ORF [IFPA]	
ESV:		Bearing [True]: 194.0° to 207.0° Bearing [Mag]: 201.0° to 214.0°				Arc Distance: Out to 78.0 NM Altitude: 6000.0 to 17500.0 ft		
9	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 98.0° to 118.0° Bearing [Mag]: 102.0° to 122.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 17500.0 ft		
10	CVI CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	CVI	
ESV:		Bearing [True]: 171.0° to 201.0° Bearing [Mag]: 180.0° to 210.0°				Arc Distance: Out to 53.0 NM Altitude: 3900.0 to 18100.0 ft		
11	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 73.0° to 85.0° Bearing [Mag]: 77.0° to 89.0°				Arc Distance: Out to 70.0 NM Altitude: 6000.0 to 10000.0 ft		

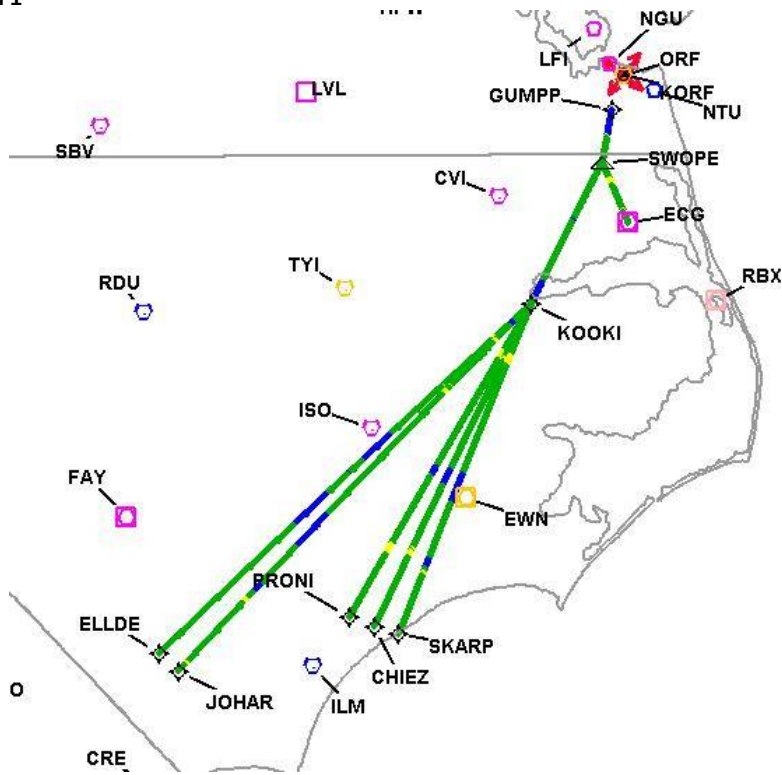
DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

DME Error



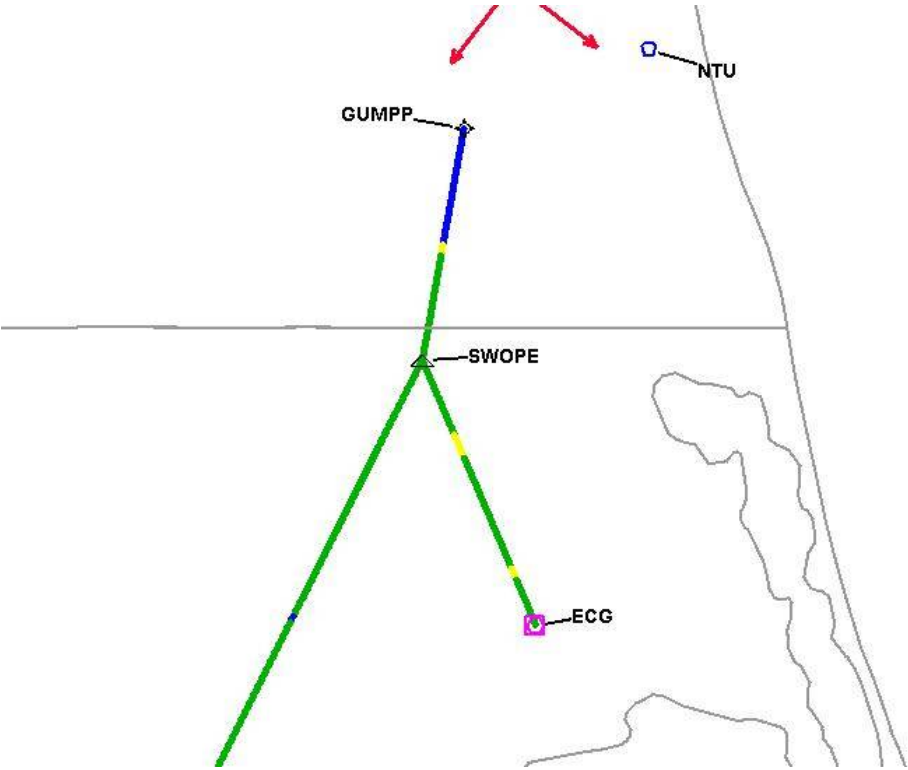
DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

Graphic Depiction 1



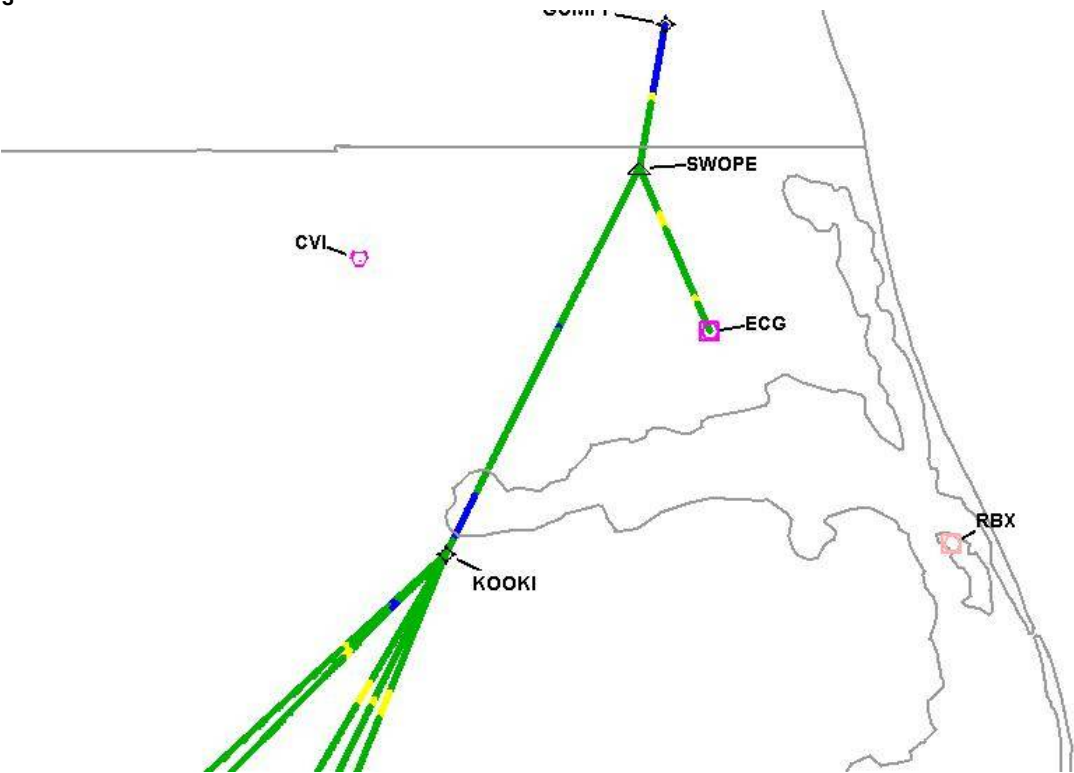
DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

Graphic Depiction 2



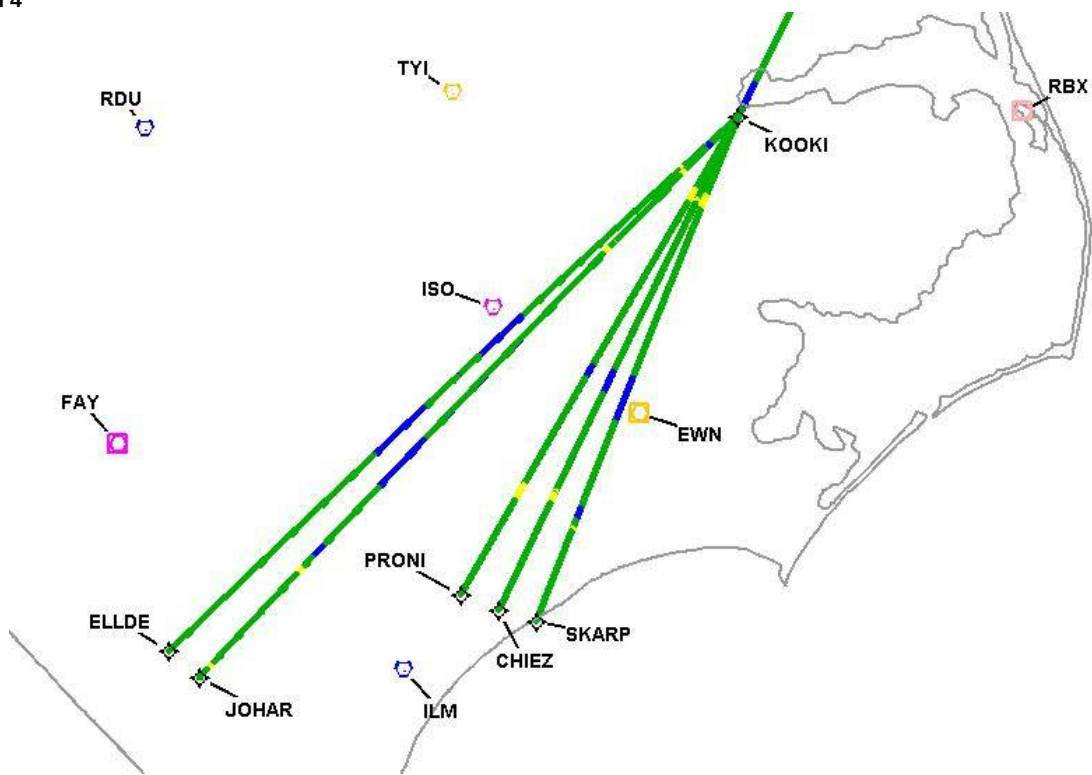
DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

Graphic Depiction 3



DME DME Assessment Results for SWOPE1 path KOOKI_SKARP

Graphic Depiction 4



DME DME Assessment Results for SWOPE1 path SWOPE_ECG

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF SWOPE1 (RNAV) SID DME_DME_20241028.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\08-07-2025 PUBLICATION\KORF SWOPE1 SID\KORF [IFPA] SWOPE1\KORF [IFPA] SWOPE1 20241113_0801 EST\SWOPE_ECG\KORF SWOPE1 SID SWOPE ECG 20241113_0801 EST.pdf
Procedure Name:	SWOPE1
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/13/2024 08:01 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SWOPE	WP	N36° 31' 06.8500", W076° 18' 56.2800"	4000	VNAV	200	FLY_BY	TF
ECG	WP	N36° 15' 27.2631", W076° 10' 32.1519"	4000	VNAV	200	FLY_BY	TF

Flyability	
Flight Type:	SID
Selected Airport:	KORF [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 SWOPE1 path SWOPE_ECG

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	H		NO	Enabled	100 %	100 %
2	CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	L		NO	Enabled	100 %	100 %
3	ECG	N36° 15' 27.2631", W076° 10' 32.1519"	7.0 W	40	L		NO	Enabled	65.1 %	65.1 %
4	NGU	N36° 56' 24.1606", W076° 16' 38.2149"	10.0 W	40	L		NO	Enabled	83.7 %	83.7 %
5	LFI	N37° 05' 08.0000", W076° 21' 33.8500"	10.0 W	40	L		NO	Enabled	36.5 %	36.5 %
6	NTU	N36° 49' 27.2013", W076° 02' 13.3672"	10.0 W	130	H		NO	Enabled	100 %	100 %

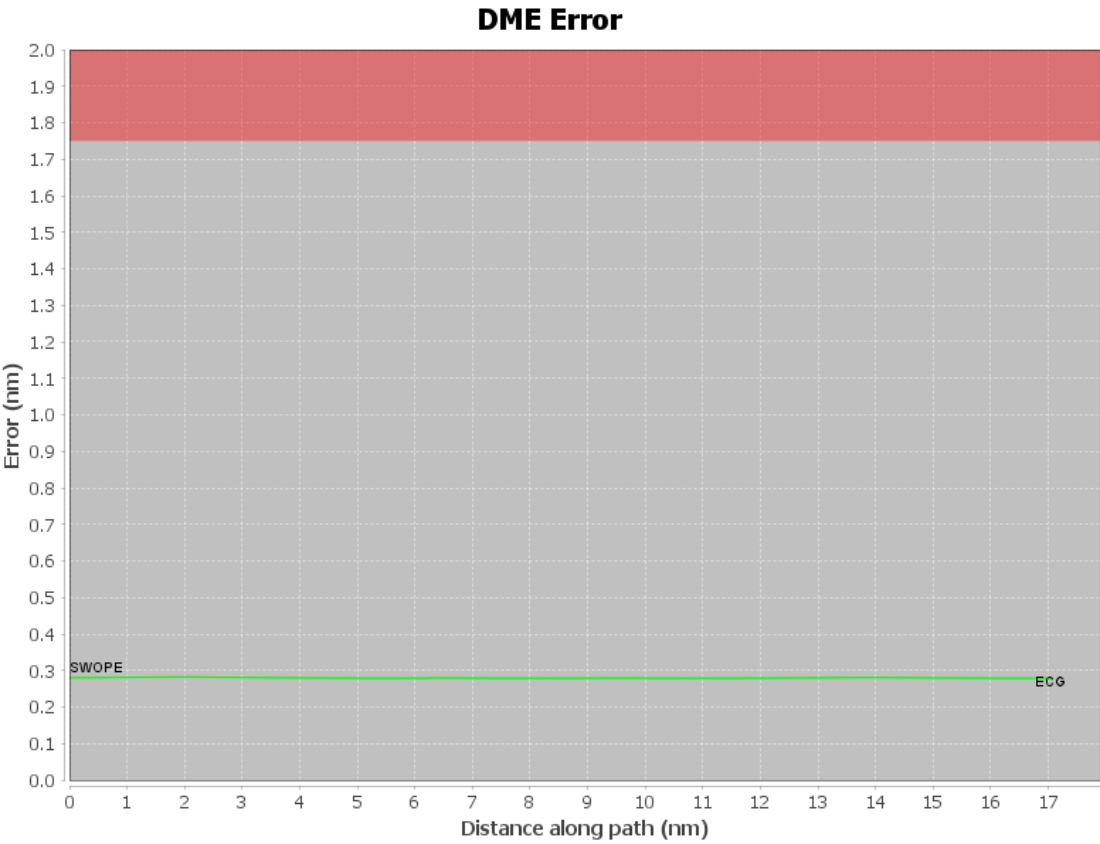
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CVI	ECG	LFI	NGU	NTU	ORF
6.3	CVI	NGU	ORF	ECG	NTU	
10.5	CVI	ORF	NGU	NTU		
13.4	CVI	ORF	NTU	NGU	ECG	
14.1	CVI	NTU	ORF	NGU		
14.3	CVI	NTU	ORF			

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SWOPE	ECG	ORF, CVI, ECG, NGU, LFI, NTU	

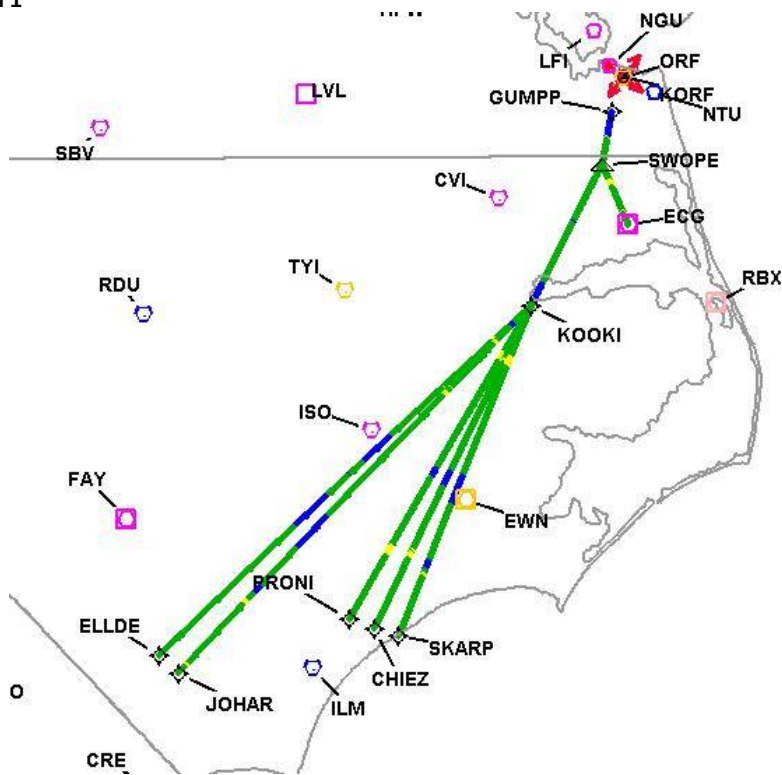
DME DME Assessment Results for SWOPE1 path SWOPE_ECG

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FAY FAA 210252-12 FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	FAY FAA 210252-12	
ESV:		Bearing [True]: 124.0° to 160.0° Bearing [Mag]: 128.0° to 164.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 19000.0 ft		
2	CRE CRE	N33° 48' 49.8274", W078° 43' 28.2796"	3.0 W	130	26.4	114.4	CRE	
ESV:		Bearing [True]: 6.0° to 31.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 60.0 NM Altitude: 3900.0 to 14600.0 ft		
3	ESV TYI [IFPA] TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	ESV TYI [IFPA]	
ESV:		Bearing [True]: 91.0° to 182.0° Bearing [Mag]: 96.0° to 187.0°				Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 110.0° to 134.0° Bearing [Mag]: 115.0° to 139.0°				Arc Distance: Out to 52.0 NM Altitude: 3900.0 to 14600.0 ft		
5	ISO 1 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 1	
ESV:		Bearing [True]: 58.0° to 73.0° Bearing [Mag]: 63.0° to 78.0°				Arc Distance: Out to 42.0 NM Altitude: 3900.0 to 18100.0 ft		
6	ISO 2 ISO	N35° 22' 15.4111", W077° 33' 29.9348"	5.0 W	40	70.1	117.5	ISO 2	
ESV:		Bearing [True]: 213.0° to 228.0° Bearing [Mag]: 218.0° to 233.0°				Arc Distance: Out to 72.0 NM Altitude: 3900.0 to 18100.0 ft		
7	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 96.0° to 118.0° Bearing [Mag]: 100.0° to 122.0°				Arc Distance: Out to 80.0 NM Altitude: 6500.0 to 17000.0 ft		
8	ESV ORF [IFPA] ORF	N36° 53' 30.8569", W076° 12' 01.1774"	7.0 W	130	19.6	116.9	ESV ORF [IFPA]	
ESV:		Bearing [True]: 194.0° to 207.0° Bearing [Mag]: 201.0° to 214.0°				Arc Distance: Out to 78.0 NM Altitude: 6000.0 to 17500.0 ft		
9	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 98.0° to 118.0° Bearing [Mag]: 102.0° to 122.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 17500.0 ft		
10	CVI CVI	N36° 22' 22.4900", W076° 52' 17.5610"	9.0 W	40	65	114.6	CVI	
ESV:		Bearing [True]: 171.0° to 201.0° Bearing [Mag]: 180.0° to 210.0°				Arc Distance: Out to 53.0 NM Altitude: 3900.0 to 18100.0 ft		
11	ESV FAY [IFPA] FAY	N34° 59' 07.9844", W078° 52' 30.2299"	4.0 W	40	186.5	114.85	ESV FAY [IFPA]	
ESV:		Bearing [True]: 73.0° to 85.0° Bearing [Mag]: 77.0° to 89.0°				Arc Distance: Out to 70.0 NM Altitude: 6000.0 to 10000.0 ft		



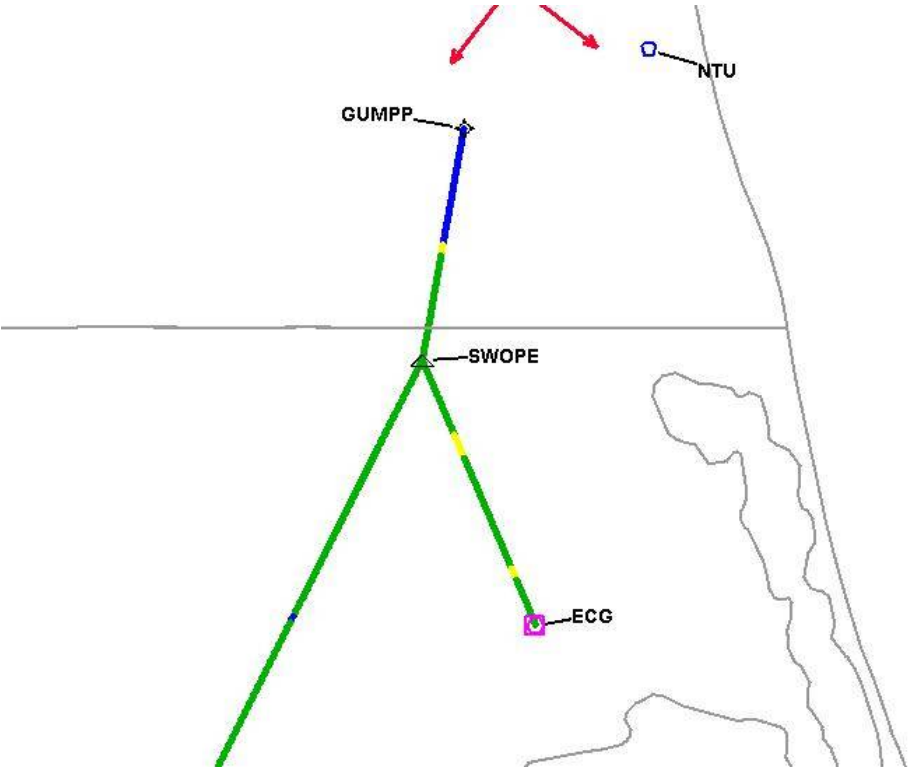
DME DME Assessment Results for SWOPE1 path SWOPE_ECG

Graphic Depiction 1



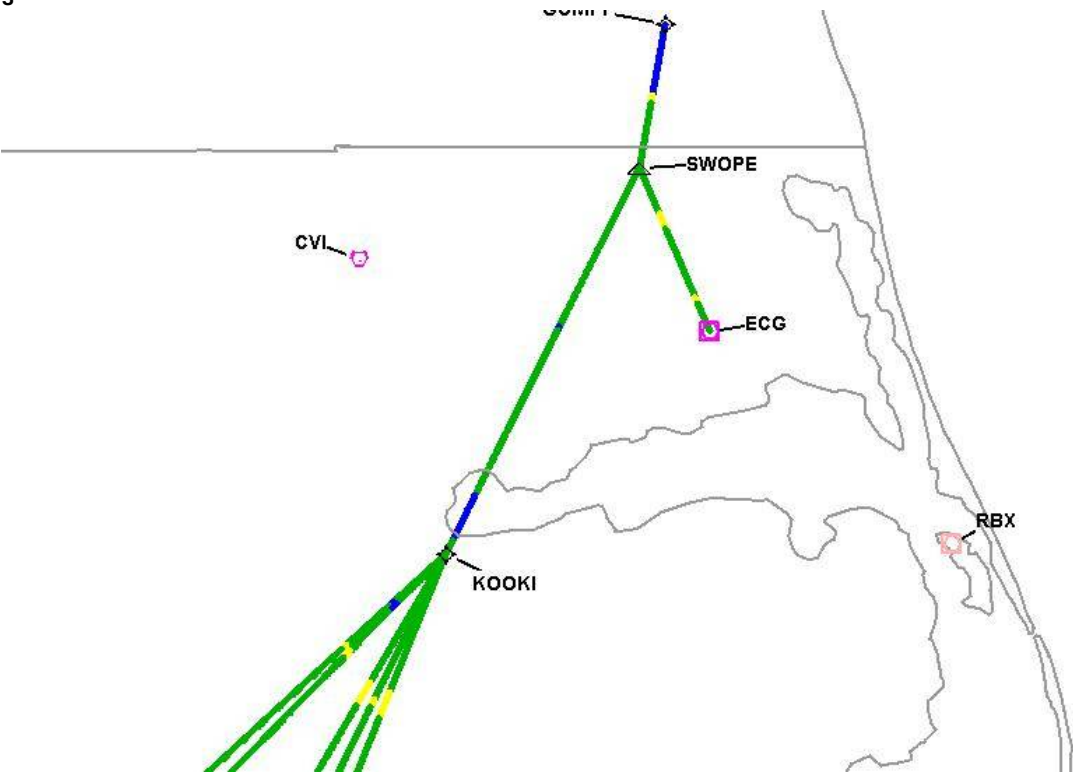
DME DME Assessment Results for SWOPE1 path SWOPE_ECG

Graphic Depiction 2



DME DME Assessment Results for SWOPE1 path SWOPE_ECG

Graphic Depiction 3



DME DME Assessment Results for SWOPE1 path SWOPE_ECG

Graphic Depiction 4

