

DME DME Assessment Results for FROGZ2 path ACORI_BULZI

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\ACORI_BULZI\KMIA FROGZ2 RNAV STAR ACORI BULZI 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
ACORI	WP	N31° 46' 23.36", W085° 51' 29.51"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.93", W084° 04' 34.47"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path ACORI_BULZI

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TAY	N30° 30' 16.70", W082° 33' 10.45"	3.0 W	130	H	IFPA	NO	Enabled	20.1 %	20.1 %
2	LGC	N33° 02' 56.83", W085° 12' 22.40"	1.0 E	130	H	IFPA	NO	Enabled	23.3 %	23.3 %
3	OZR	N31° 16' 08.21", W085° 43' 34.73"	3.0 W	40	L	IFPA	NO	Enabled	32 %	32 %
4	EUF	N31° 57' 00.90", W085° 07' 49.73"	2.0 E	40	L	IFPA	NO	Enabled	25.1 %	25.1 %
5	OTK	N30° 46' 49.60", W083° 16' 47.02"	2.0 W	130	H	IFPA	NO	Enabled	59 %	59 %
6	MGM	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	H	IFPA	NO	Enabled	87.7 %	87.7 %
7	GEF	N30° 33' 04.83", W083° 46' 59.28"	1.0 E	40	L	IFPA	NO	Enabled	23.7 %	23.7 %
8	RRS	N31° 17' 04.51", W085° 25' 52.35"	2.0 E	40	L	IFPA	NO	Enabled	59.8 %	59.8 %
9	CEW	N30° 49' 34.23", W086° 40' 44.92"	3.0 E	130	H	IFPA	NO	Enabled	59 %	59 %
10	MAI	N30° 47' 10.30", W085° 07' 28.08"	0.0 E	40	L	IFPA	NO	Enabled	53.2 %	53.2 %
11	AMG	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	H	IFPA	NO	Enabled	40.2 %	40.2 %
12	SZW	N30° 33' 22.42", W084° 22' 26.19"	2.0 E	130	H	IFPA	NO	Enabled	88.3 %	88.3 %
13	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
14	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
15	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ2 path ACORI_BULZI

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	MGM	CEW	RRS	LGC	OZR	
5.5	RRS	EUF	MGM	CEW	LGC	
29.0	MGM	OZR	EUF	SZW	CEW	RRS
36.0	OZR	MAI	RRS	SZW	MGM	CEW
58.8	RRS	MAI	SZW	OTK	CEW	MGM
64.2	RRS	MAI	SZW	OTK	CEW	
73.5	SZW	MAI	RRS	OTK		
74.4	SZW	MAI	MGM	AMG	OTK	
100.8	SZW	OTK	AMG	MGM	GEF	TAY
103.0	AMG	MGM	OTK	GEF	TAY	
119.3	SZW	OTK	GEF	AMG	TAY	

Inertial Drift Segments

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

Waypoint Before	Waypoint After	DME List
ACORI	BULZI	SZW, MGM, RRS, CEW, MAI, OZR, EUF, OTK, LGC, GEF, AMG, TAY

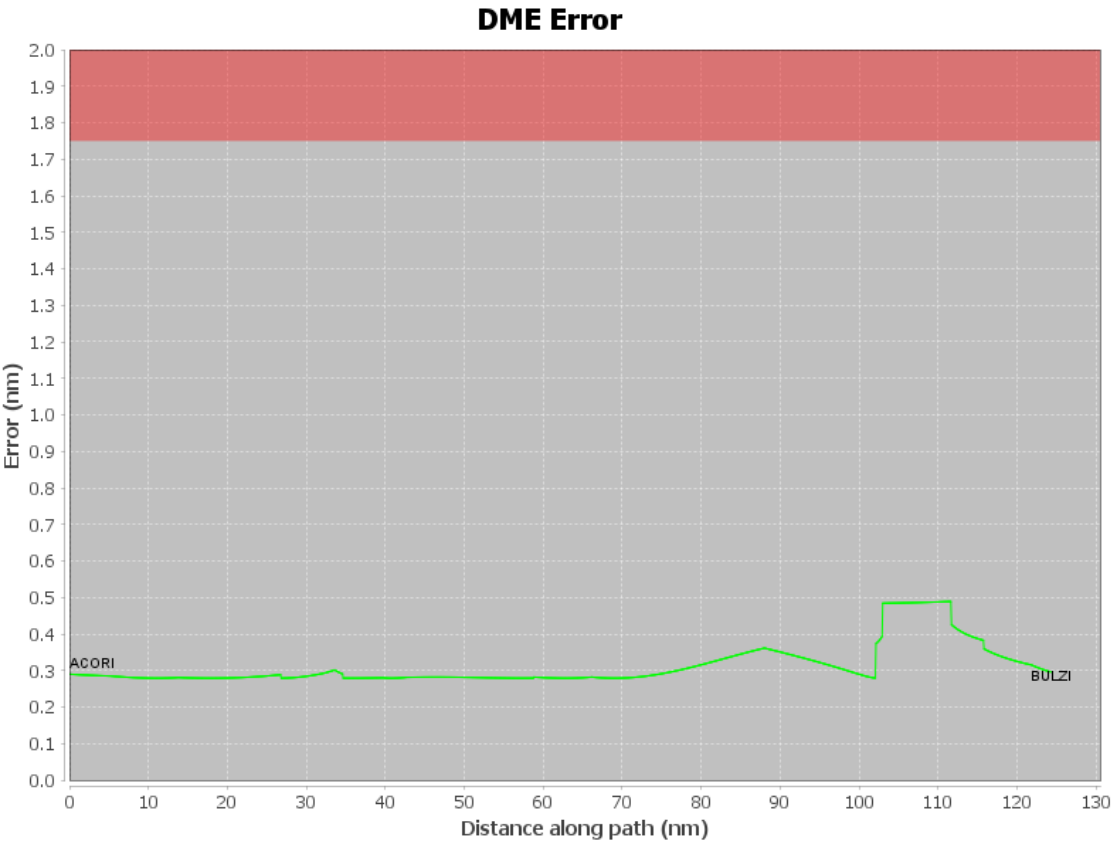
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

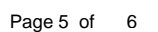
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path ACORI_BULZI

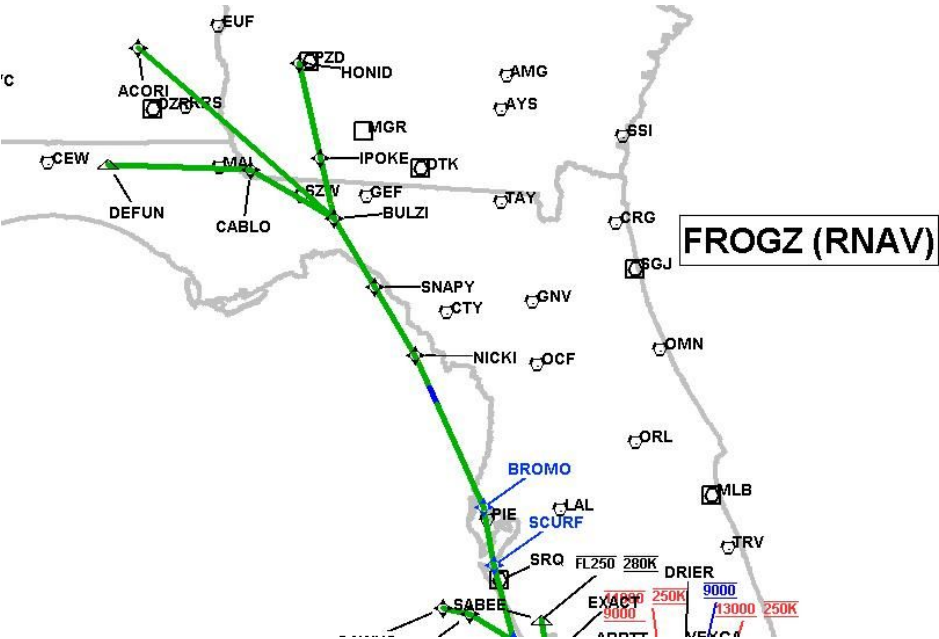


Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path ACORI_BULZI

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path CITAG_ACORI

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\CITAG_ACORI\KMIA FROGZ2 RNAV STAR CITAG ACORI 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
CITAG	WP	N26° 14' 13.33", W081° 46' 46.35"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.04", W082° 04' 27.61"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.45", W082° 26' 33.32"	18000	VNAV	280	FLY_BY	TF
SCURF	WP	N27° 31' 52.17", W082° 37' 22.51"	18000	VNAV	280	FLY_BY	TF
BROMO	WP	N28° 00' 38.28", W082° 43' 02.49"	18000	VNAV	280	FLY_BY	TF
NICKI	WP	N29° 15' 20.19", W083° 20' 31.80"	18000	VNAV	280	FLY_BY	TF
SNAPY	WP	N29° 48' 51.17", W083° 42' 23.61"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.93", W084° 04' 34.47"	18000	VNAV	280	FLY_BY	TF
ACORI	WP	N31° 46' 23.36", W085° 51' 29.51"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path CITAG_ACORI

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME DME Assessment Results for FROGZ2 path CITAG_ACORI

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	43.7 %	43.8 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	22 %	22 %
3	LGC	N33° 02' 56.83", W085° 12' 22.40"	1.0 E	130	H	IFPA	NO	Enabled	7.2 %	7.1 %
4	OTK	N30° 46' 49.60", W083° 16' 47.02"	2.0 W	130	H	IFPA	NO	Enabled	39 %	39 %
5	OZR	N31° 16' 08.21", W085° 43' 34.73"	3.0 W	40	L	IFPA	NO	Enabled	9.8 %	9.8 %
6	MGM	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	H	IFPA	NO	Enabled	27 %	26.9 %
7	CTY	N29° 35' 56.40", W083° 02' 55.65"	2.0 W	40	L	IFPA	NO	Enabled	14 %	14.1 %
8	RRS	N31° 17' 04.51", W085° 25' 52.35"	2.0 E	40	L	IFPA	NO	Enabled	18.4 %	18.4 %
9	RSW	N26° 31' 47.55", W081° 46' 32.76"	2.0 W	40	L	IFPA	NO	Enabled	12.3 %	12.3 %
10	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H	IFPA	NO	Enabled	23.4 %	23.4 %
11	TAY	N30° 30' 16.70", W082° 33' 10.45"	3.0 W	130	H	IFPA	NO	Enabled	29.6 %	29.6 %
12	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	41 %	41 %
13	EUF	N31° 57' 00.90", W085° 07' 49.73"	2.0 E	40	L	IFPA	NO	Enabled	7.7 %	7.7 %
14	GEF	N30° 33' 04.83", W083° 46' 59.28"	1.0 E	40	L	IFPA	NO	Enabled	15 %	15 %
15	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	46 %	46.1 %
16	VKZ	N25° 45' 06.85", W080° 09' 16.00"	4.0 W	130	H	IFPA	NO	Enabled	1.6 %	1.6 %
17	CEW	N30° 49' 34.23", W086° 40' 44.92"	3.0 E	130	H	IFPA	NO	Enabled	18.2 %	18.1 %
18	FLL	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	H	IFPA	NO	Enabled	3.2 %	3.2 %
19	MAI	N30° 47' 10.30", W085° 07' 28.08"	0.0 E	40	L	IFPA	NO	Enabled	16.3 %	16.3 %
20	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	4.6 %	4.6 %
21	AMG	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	H	IFPA	NO	Enabled	12.7 %	12.7 %
22	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	0.9 %	0.9 %
23	SZW	N30° 33' 22.42", W084° 22' 26.19"	2.0 E	130	H	IFPA	NO	Enabled	47.5 %	47.5 %
24	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
25	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
26	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ2 path CITAG_ACORI

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	SRQ	RSW	FLL	DHP	VKZ
6.6	PHK	SRQ	RSW	DHP	FLL	
13.1	RSW	SRQ	PHK	LAL	DHP	
18.9	RSW	SRQ	PHK	PIE	LAL	
49.9	LAL	PHK	PIE	SRQ		
78.5	PHK	LAL	PIE			
81.6	PHK	LAL	PIE	ORL		
89.1	ORL	SRQ	LAL	PIE		
112.0	LAL	SRQ	ORL			
117.8	LAL	SRQ	PIE	ORL		
174.3	ORL	PIE	SRQ			
176.3						
185.2	TAY	LAL	PIE			
185.4	LAL	CTY	TAY	PIE		
195.3	LAL	CTY	TAY	PIE	OTK	
198.1	SZW	CTY	PIE	TAY	OTK	
214.3	SZW	CTY	TAY	OTK		
242.2	TAY	SZW	OTK			
248.5	TAY	SZW	OTK	GEF		
278.5	SZW	GEF	OTK	AMG	TAY	
292.5	MGM	OTK	AMG	GEF	TAY	
304.9	SZW	OTK	AMG	MGM	MAI	GEF
309.4	SZW	OTK	AMG	MGM	MAI	
329.8	SZW	MAI	RRS	OTK		
330.8	SZW	MAI	RRS	CEW	OTK	
353.2	OZR	MAI	RRS	CEW	SZW	MGM
369.5	RRS	SZW	MGM	OZR	CEW	EUF
377.4	MGM	EUF	CEW	SZW	RRS	LGC
398.5	RRS	EUF	MGM	CEW	LGC	
399.5	MGM	CEW	RRS	LGC	OZR	

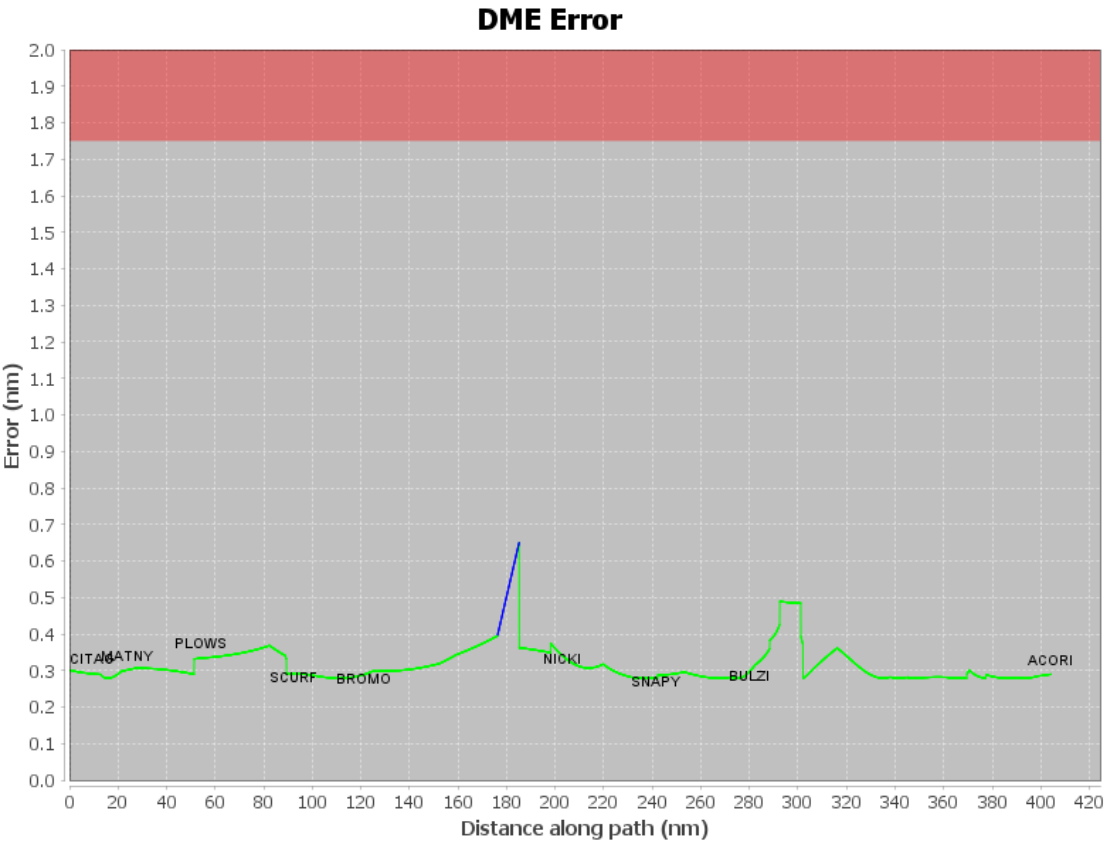
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 51' 07.37", W083° 08' 16.22"	N28° 59' 18.90", W083° 12' 24.38"	8.941

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
CITAG	MATNY	PHK, SRQ, VKZ, PBI, LAL, RSW, FLL, DHP, PIE
MATNY	PLOWS	PHK, SRQ, LAL, RSW, PIE
PLOWS	SCURF	PHK, SRQ, LAL, ORL, PIE
SCURF	BROMO	SRQ, LAL, ORL, PIE
BROMO	NICKI	SZW, SRQ, LAL, OTK, ORL, CTY, PIE, TAY
NICKI	SNAPY	SZW, OTK, CTY, TAY, PIE
SNAPY	BULZI	SZW, OTK, CTY, GEF, AMG, TAY
BULZI	ACORI	SZW, MGM, RRS, MAI, CEW, OZR, OTK, EUF, GEF, LGC, AMG, TAY

DME DME Assessment Results for FROGZ2 path CITAG_ACORI

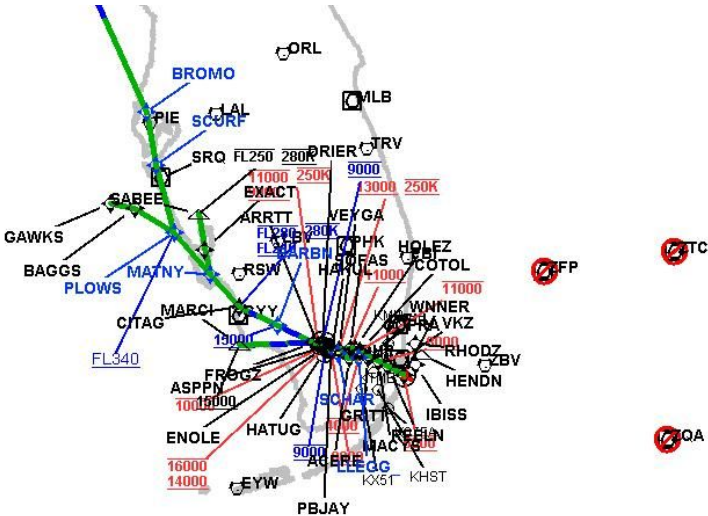
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path CITAG_ACORI



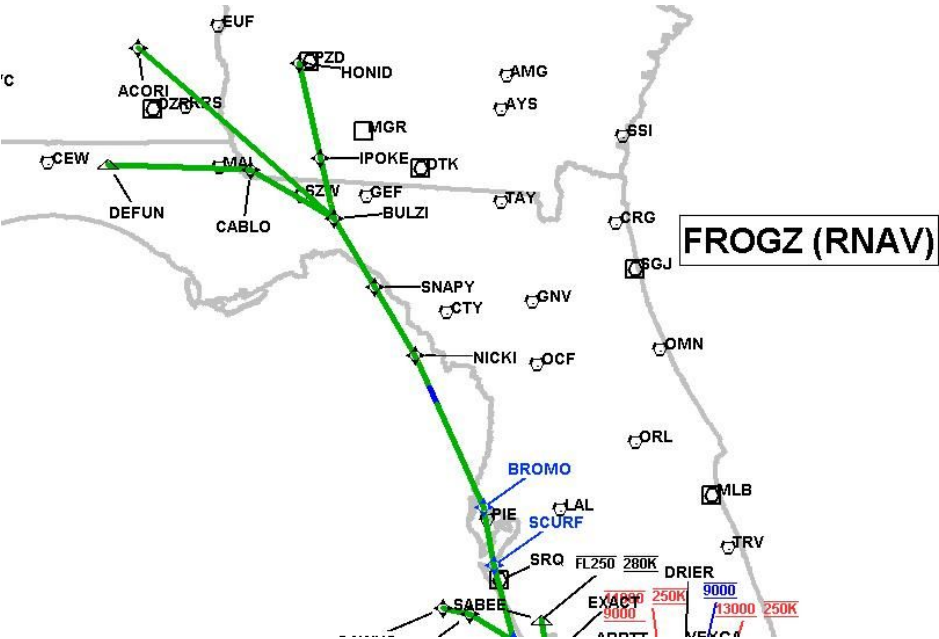
DME DME Assessment Results for FROGZ2 path CITAG_ACORI

Graphic Depiction 1



DME DME Assessment Results for FROGZ path CITAG_ACORI

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path CITAG_DEFUN

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\CITAG_DEFUN\KMIA FROGZ2 RNAV STAR CITAG DEFUN 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
CITAG	WP	N26° 14' 13.33", W081° 46' 46.35"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.04", W082° 04' 27.61"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.45", W082° 26' 33.32"	18000	VNAV	280	FLY_BY	TF
SCURF	WP	N27° 31' 52.17", W082° 37' 22.51"	18000	VNAV	280	FLY_BY	TF
BROMO	WP	N28° 00' 38.28", W082° 43' 02.49"	18000	VNAV	280	FLY_BY	TF
NICKI	WP	N29° 15' 20.19", W083° 20' 31.80"	18000	VNAV	280	FLY_BY	TF
SNAPY	WP	N29° 48' 51.17", W083° 42' 23.61"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.93", W084° 04' 34.47"	18000	VNAV	280	FLY_BY	TF
CABLO	WP	N30° 46' 29.00", W084° 50' 24.00"	18000	VNAV	280	FLY_BY	TF
DEFUN	WP	N30° 48' 51.27", W086° 07' 53.09"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path CITAG_DEFUN

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME DME Assessment Results for FROGZ2 path CITAG_DEFUN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	45 %	45 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	22.7 %	22.7 %
3	OTK	N30° 46' 49.60", W083° 16' 47.02"	2.0 W	130	H	IFPA	NO	Enabled	38.2 %	38.2 %
4	OZR	N31° 16' 08.21", W085° 43' 34.73"	3.0 W	40	L	IFPA	NO	Enabled	11.2 %	11.2 %
5	MGM	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	H	IFPA	NO	Enabled	24.9 %	24.9 %
6	CTY	N29° 35' 56.40", W083° 02' 55.65"	2.0 W	40	L	IFPA	NO	Enabled	14.4 %	14.5 %
7	RRS	N31° 17' 04.51", W085° 25' 52.35"	2.0 E	40	L	IFPA	NO	Enabled	11.2 %	11.2 %
8	RSW	N26° 31' 47.55", W081° 46' 32.76"	2.0 W	40	L	IFPA	NO	Enabled	12.7 %	12.7 %
9	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H	IFPA	NO	Enabled	24.1 %	24.1 %
10	TAY	N30° 30' 16.70", W082° 33' 10.45"	3.0 W	130	H	IFPA	NO	Enabled	29.8 %	29.8 %
11	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	42.1 %	42.2 %
12	GEF	N30° 33' 04.83", W083° 46' 59.28"	1.0 E	40	L	IFPA	NO	Enabled	14.8 %	14.8 %
13	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	47.4 %	47.4 %
14	VKZ	N25° 45' 06.85", W080° 09' 16.00"	4.0 W	130	H	IFPA	NO	Enabled	1.7 %	1.7 %
15	CEW	N30° 49' 34.23", W086° 40' 44.92"	3.0 E	130	H	IFPA	NO	Enabled	17.9 %	17.9 %
16	FLL	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	H	IFPA	NO	Enabled	3.3 %	3.3 %
17	MAI	N30° 47' 10.30", W085° 07' 28.08"	0.0 E	40	L	IFPA	NO	Enabled	13.9 %	13.9 %
18	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	4.8 %	4.8 %
19	AMG	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	H	IFPA	NO	Enabled	17.9 %	17.8 %
20	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	0.9 %	0.9 %
21	SZW	N30° 33' 22.42", W084° 22' 26.19"	2.0 E	130	H	IFPA	NO	Enabled	46.4 %	46.3 %
22	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
23	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
24	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ2 path CITAG_DEFUN

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	SRQ	RSW	FLL	DHP	VKZ
6.6	PHK	SRQ	RSW	DHP	FLL	
13.1	RSW	SRQ	PHK	LAL	DHP	
18.9	RSW	SRQ	PHK	PIE	LAL	
49.9	LAL	PHK	PIE	SRQ		
78.5	PHK	LAL	PIE			
81.6	PHK	LAL	PIE	ORL		
89.1	ORL	SRQ	LAL	PIE		
112.0	LAL	SRQ	ORL			
117.8	LAL	SRQ	PIE	ORL		
174.3	ORL	PIE	SRQ			
176.3						
185.2	TAY	LAL	PIE			
185.4	LAL	CTY	TAY	PIE		
195.3	LAL	CTY	TAY	PIE	OTK	
198.1	SZW	CTY	PIE	TAY	OTK	
214.3	SZW	CTY	TAY	OTK		
242.2	TAY	SZW	OTK			
248.5	TAY	SZW	OTK	GEF		
278.5	SZW	GEF	OTK	AMG	TAY	
294.8	MGM	OTK	AMG	GEF	TAY	
302.4	AMG	MAI	MGM	OTK	GEF	
306.6	AMG	MGM	OTK	MAI		
307.8	AMG	SZW	MGM	OTK	MAI	
315.5	AMG	SZW	MGM	OTK		
322.5	AMG	MGM	OTK	SZW	CEW	
345.5	RRS	CEW	SZW	MGM	AMG	
348.7	RRS	MAI	CEW	SZW	OZR	
379.8	OZR	MAI	CEW	SZW	MGM	
380.8	OZR	CEW	SZW	MGM		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 51' 07.37", W083° 08' 16.22"	N28° 59' 18.90", W083° 12' 24.38"	8.941

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
CITAG	MATNY	PHK, SRQ, VKZ, PBI, LAL, RSW, FLL, DHP, PIE
MATNY	PLOWS	PHK, SRQ, LAL, RSW, PIE
PLOWS	SCURF	PHK, SRQ, LAL, ORL, PIE
SCURF	BROMO	SRQ, LAL, ORL, PIE
BROMO	NICKI	SZW, SRQ, LAL, OTK, ORL, CTY, PIE, TAY
NICKI	SNAPY	SZW, OTK, CTY, TAY, PIE
SNAPY	BULZI	SZW, OTK, CTY, GEF, AMG, TAY
BULZI	CABLO	SZW, MGM, MAI, CEW, OTK, GEF, AMG, TAY
CABLO	DEFUN	SZW, MGM, RRS, CEW, MAI, OZR, OTK, AMG

DME DME Assessment Results for FROGZ2 path CITAG_DEFUN

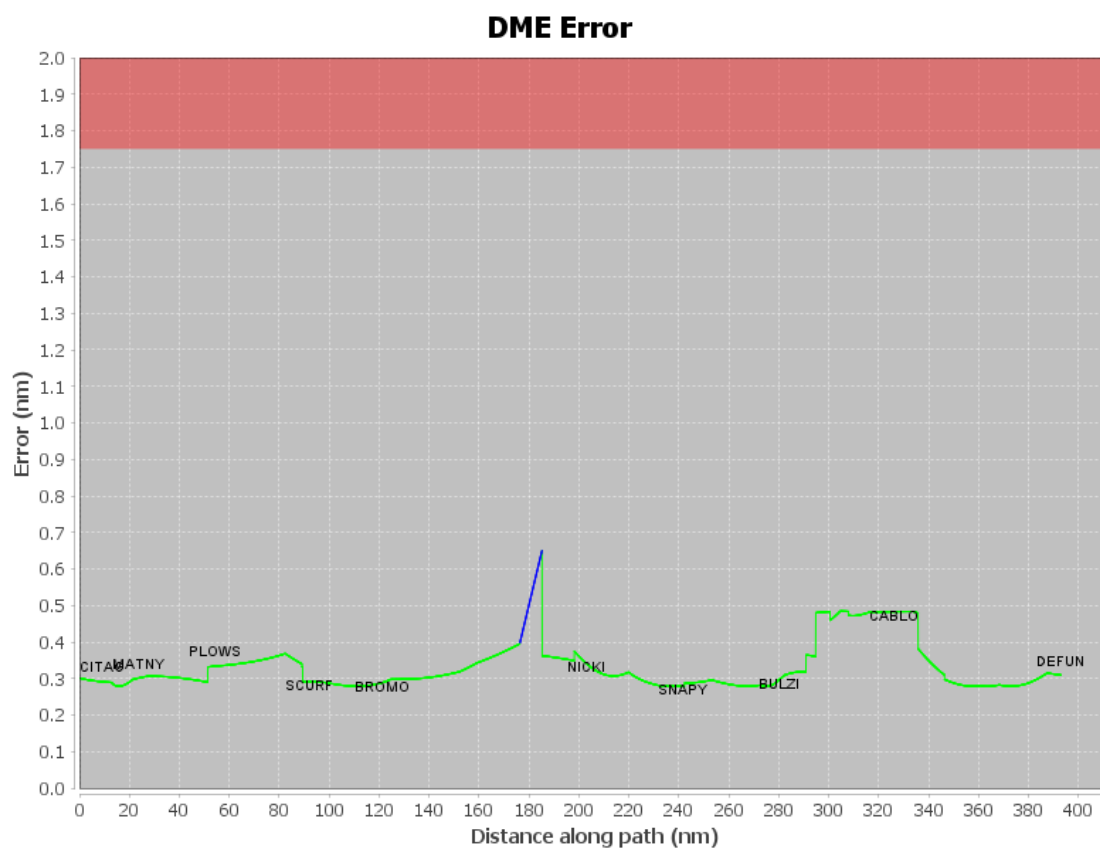
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMesKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

User DMEs

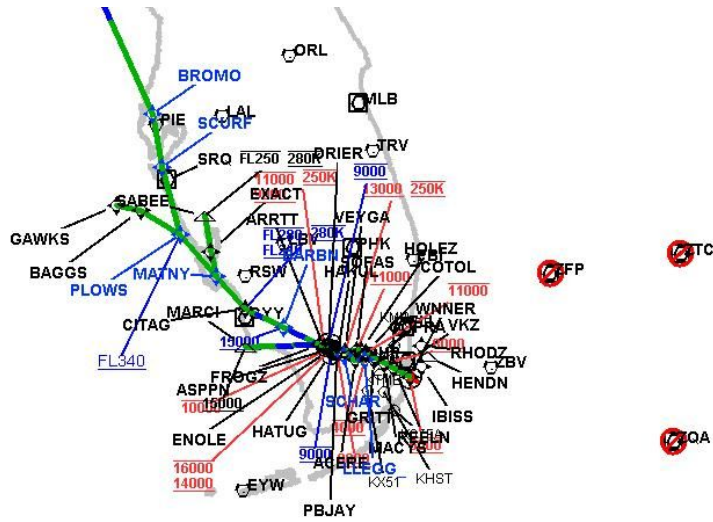
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path CITAG_DEFUN



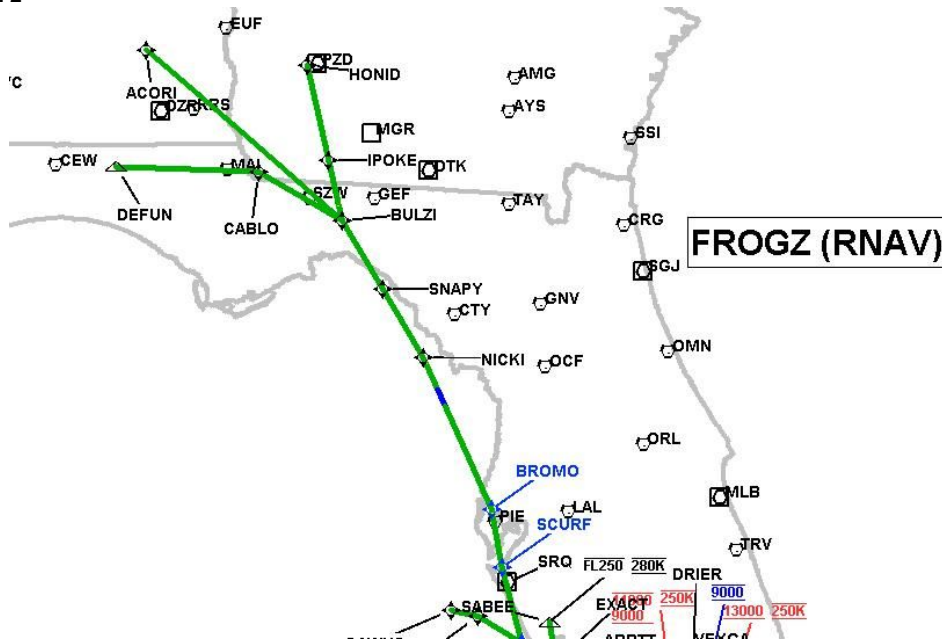
Graphic Depiction 1

DME DME Assessment Results for FROGZ2 path CITAG_DEFUN



DME DME Assessment Results for FROGZ path CITAG_DEFUN

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path CITAG_GAWKS

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\CITAG_GAWKS\KMIA FROGZ2 RNAV STAR CITAG GAWKS 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
CITAG	WP	N26° 14' 13.33", W081° 46' 46.35"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.04", W082° 04' 27.61"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.45", W082° 26' 33.32"	18000	VNAV	280	FLY_BY	TF
BAGGS	WP	N27° 08' 03.28", W082° 50' 27.20"	18000	VNAV	280	FLY_BY	TF
GAWKS	WP	N27° 10' 53.38", W083° 05' 15.17"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path CITAG_GAWKS

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	88.8 %	88.8 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	85.7 %	85.7 %
5	VKZ	N25° 45' 06.85", W080° 09' 16.00"	4.0 W	130	H	IFPA	NO	Enabled	7 %	7 %
6	FLL	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	H	IFPA	NO	Enabled	14.1 %	14.1 %
7	RSW	N26° 31' 47.55", W081° 46' 32.76"	2.0 W	40	L	IFPA	NO	Enabled	53.8 %	53.9 %
8	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	20.3 %	20.3 %
9	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	4 %	4 %
10	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
11	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
12	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
-13.3	PHK	SRQ	RSW	DHP	FLL	
-10.5	RSW	SRQ	PHK	LAL	DHP	
0.0	PHK	SRQ	RSW	LAL	PIE	
26.2	RSW	LAL	PHK	PIE	SRQ	
30.4	LAL	PHK	PIE	SRQ		

DME DME Assessment Results for FROGZ2 path CITAG_GAWKS

Inertial Drift Segments

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

Waypoint Before	Waypoint After	DME List
CITAG	MATNY	PHK, SRQ, VKZ, LAL, PBI, RSW, FLL, PIE, DHP
MATNY	PLOWS	PHK, SRQ, LAL, RSW, PIE
PLOWS	BAGGS	PHK, SRQ, LAL, PIE
BAGGS	GAWKS	PHK, SRQ, LAL, PIE

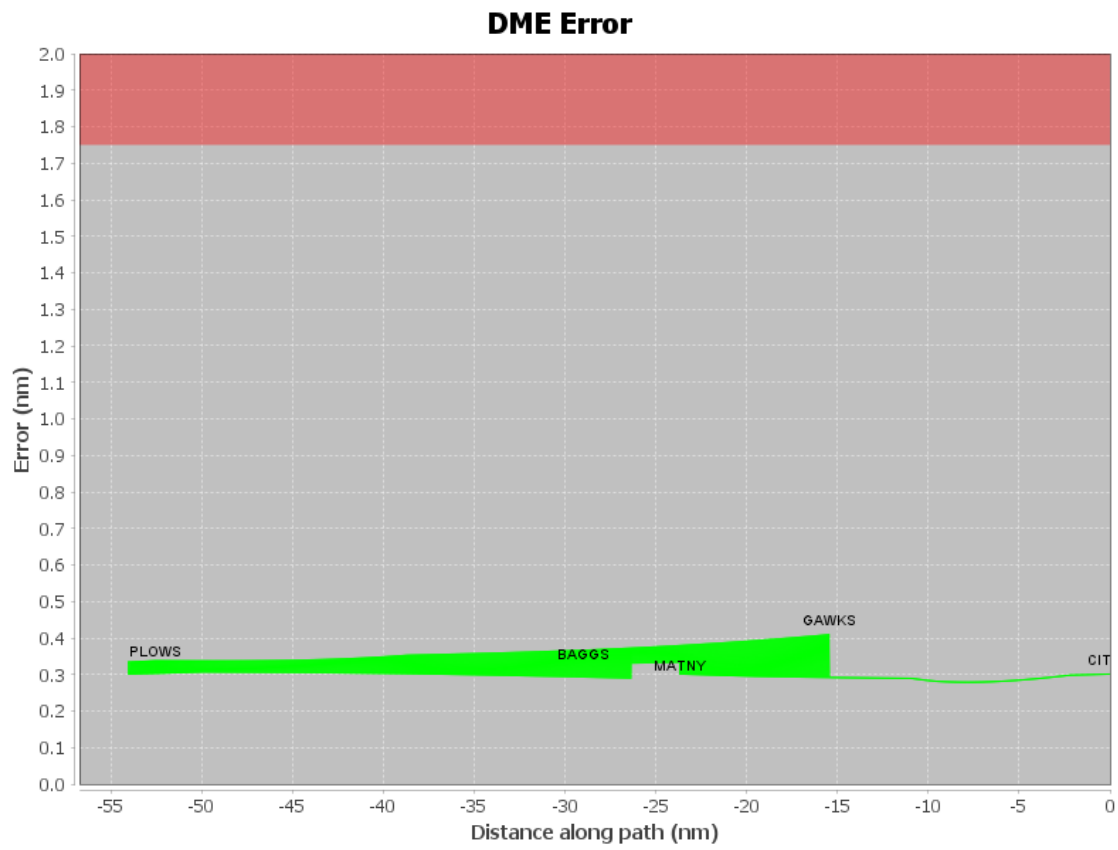
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

User DMEs

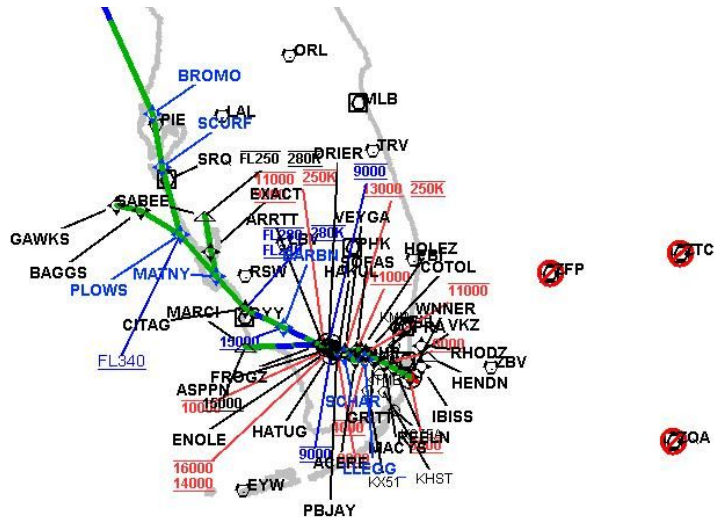
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path CITAG_GAWKS



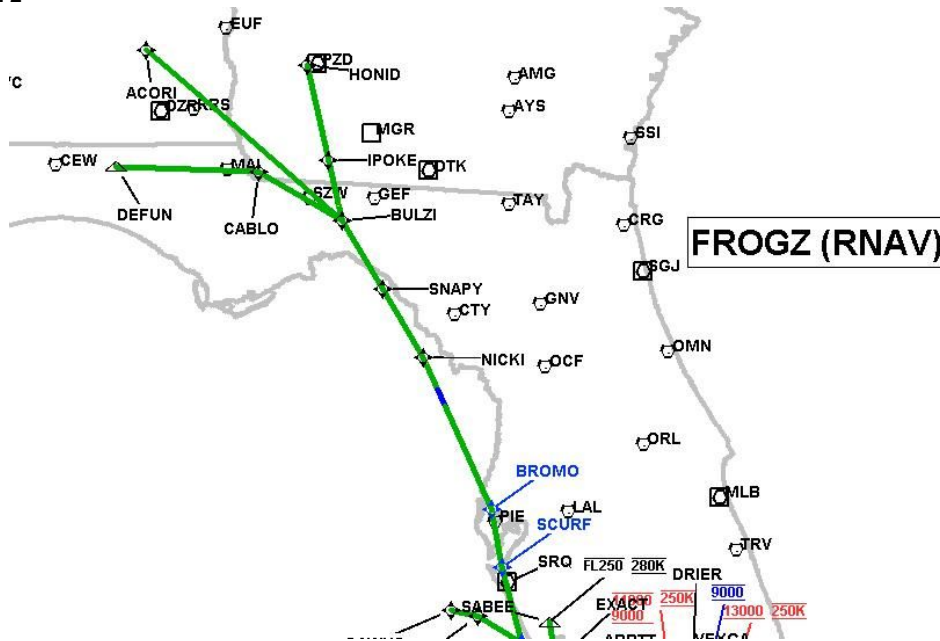
DME DME Assessment Results for FROGZ2 path CITAG_GAWKS

Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path CITAG_GAWKS

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path CITAG_HONID

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\CITAG_HONID\KMIA FROGZ2 RNAV STAR CITAG HONID 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
CITAG	WP	N26° 14' 13.33", W081° 46' 46.35"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.04", W082° 04' 27.61"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.45", W082° 26' 33.32"	18000	VNAV	280	FLY_BY	TF
SCURF	WP	N27° 31' 52.17", W082° 37' 22.51"	18000	VNAV	280	FLY_BY	TF
BROMO	WP	N28° 00' 38.28", W082° 43' 02.49"	18000	VNAV	280	FLY_BY	TF
NICKI	WP	N29° 15' 20.19", W083° 20' 31.80"	18000	VNAV	280	FLY_BY	TF
SNAPY	WP	N29° 48' 51.17", W083° 42' 23.61"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.93", W084° 04' 34.47"	18000	VNAV	280	FLY_BY	TF
IPOKE	WP	N30° 51' 48.89", W084° 11' 52.43"	18000	VNAV	280	FLY_BY	TF
HONID	WP	N31° 38' 50.31", W084° 23' 42.60"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path CITAG_HONID

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME DME Assessment Results for FROGZ2 path CITAG_HONID

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	49.4 %	49.4 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	24.9 %	24.9 %
3	LGC	N33° 02' 56.83", W085° 12' 22.40"	1.0 E	130	H	IFPA	NO	Enabled	1.5 %	1.5 %
4	OTK	N30° 46' 49.60", W083° 16' 47.02"	2.0 W	130	H	IFPA	NO	Enabled	45.4 %	45.4 %
5	MGM	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	H	IFPA	NO	Enabled	1.8 %	1.8 %
6	CTY	N29° 35' 56.40", W083° 02' 55.65"	2.0 W	40	L	IFPA	NO	Enabled	15.9 %	15.9 %
7	RSW	N26° 31' 47.55", W081° 46' 32.76"	2.0 W	40	L	IFPA	NO	Enabled	13.9 %	13.9 %
8	MCN	N32° 41' 28.27", W083° 38' 49.86"	1.0 E	130	H	IFPA	NO	Enabled	8.6 %	8.6 %
9	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H	IFPA	NO	Enabled	26.4 %	26.4 %
10	TAY	N30° 30' 16.70", W082° 33' 10.45"	3.0 W	130	H	IFPA	NO	Enabled	39.8 %	39.8 %
11	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	46.3 %	46.3 %
12	PZD	N31° 39' 18.74", W084° 17' 35.16"	2.0 W	40	L	IFPA	NO	Enabled	10.1 %	10.1 %
13	GEF	N30° 33' 04.83", W083° 46' 59.28"	1.0 E	40	L	IFPA	NO	Enabled	19.7 %	19.7 %
14	MGR	N31° 04' 56.17", W083° 48' 15.18"	0.0 E	40	L	IFPA	NO	Enabled	16.8 %	16.9 %
15	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	52 %	52 %
16	VKZ	N25° 45' 06.85", W080° 09' 16.00"	4.0 W	130	H	IFPA	NO	Enabled	1.8 %	1.8 %
17	FLL	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	H	IFPA	NO	Enabled	3.6 %	3.6 %
18	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	5.2 %	5.2 %
19	AMG	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	H	IFPA	NO	Enabled	17.7 %	17.7 %
20	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	1 %	1 %
21	SZW	N30° 33' 22.42", W084° 22' 26.19"	2.0 E	130	H	IFPA	NO	Enabled	44.8 %	44.8 %
22	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
23	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
24	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ2 path CITAG_HONID

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
-13.3	PHK	SRQ	RSW	DHP	FLL	
-10.5	RSW	SRQ	PHK	LAL	DHP	
0.0	PHK	SRQ	RSW	LAL	PIE	
26.2	RSW	LAL	PHK	PIE	SRQ	
30.4	LAL	PHK	PIE	SRQ		
54.8	PHK	LAL	SRQ	PIE		
57.9	PHK	LAL	PIE			
65.3	LAL	PIE	PHK	ORL		
68.5	LAL	SRQ	PIE	ORL		
88.3	LAL	SRQ	PIE	ORL		
94.1	LAL	SRQ	ORL			
97.6	LAL	SRQ	PIE	ORL		
150.6	ORL	PIE	SRQ	LAL		
152.5	ORL	PIE	SRQ			
161.5						
161.6	TAY	LAL	PIE			
171.6	LAL	CTY	TAY	PIE		
173.9	LAL	CTY	TAY	PIE	OTK	
179.1	SZW	CTY	PIE	TAY	OTK	
190.6	SZW	CTY	PIE	TAY	OTK	
217.6	CTY	OTK	TAY	SZW		
218.5	CTY	OTK	TAY	SZW		
224.8	TAY	SZW	OTK			
254.8	SZW	GEF	OTK	TAY		
256.2	SZW	GEF	OTK	AMG	TAY	
262.3	AMG	SZW	OTK	TAY		
264.1	MGR	SZW	TAY	GEF	OTK	
264.8	AMG	SZW	MGM	OTK	GEF	TAY
271.5	MGR	GEF	TAY	OTK	SZW	
297.4	MGR	PZD	SZW	OTK	TAY	AMG
304.0	MGR	SZW	PZD	OTK	AMG	MCN
324.7	PZD	OTK	MCN	AMG	SZW	
330.8	MCN	OTK	AMG	SZW	LGC	
332.1	MCN	OTK	SZW	LGC		

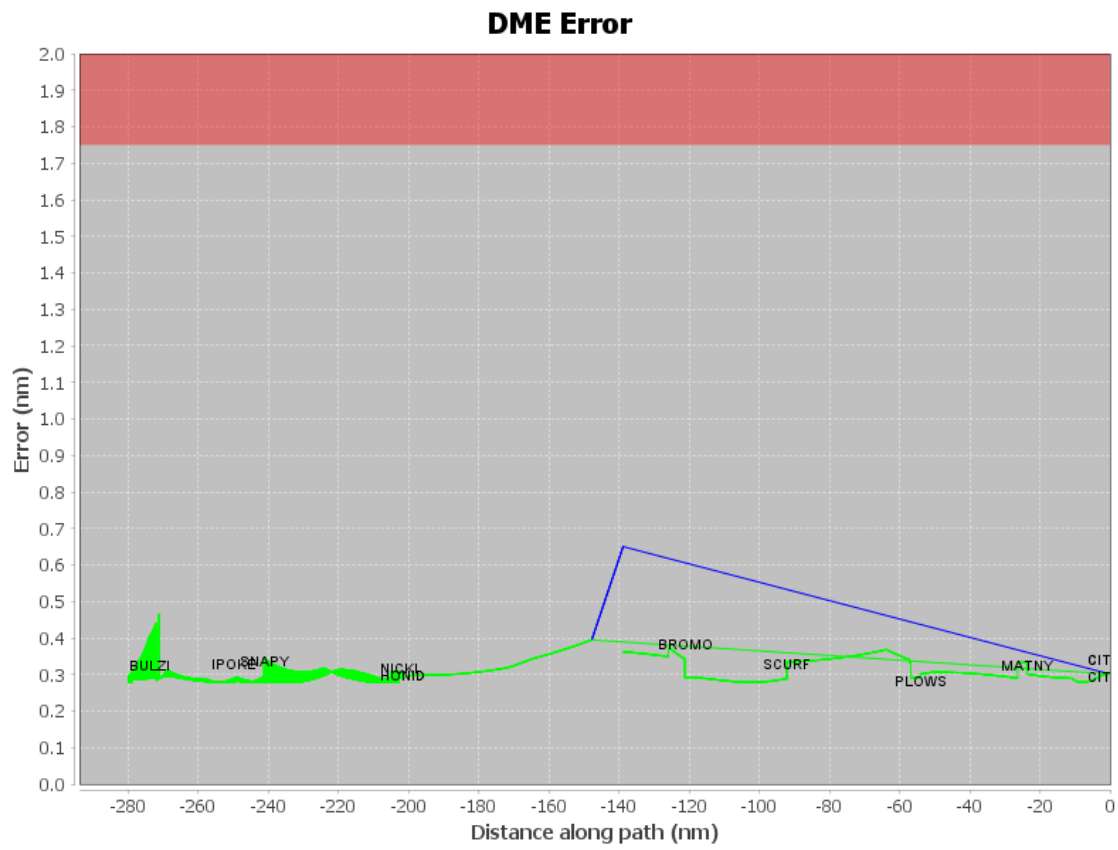
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 59' 14.62", W083° 12' 22.22"	N28° 51' 03.09", W083° 08' 14.06"	8.941

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
CITAG	MATNY	PHK, SRQ, VKZ, LAL, PBI, RSW, FLL, PIE, DHP
MATNY	PLOWS	PHK, SRQ, LAL, RSW, PIE
PLOWS	SCURF	PHK, SRQ, LAL, ORL, PIE
SCURF	BROMO	SRQ, LAL, ORL, PIE
BROMO	NICKI	SZW, SRQ, LAL, OTK, ORL, CTY, TAY, PIE
NICKI	SNAPY	SZW, OTK, CTY, TAY, PIE
SNAPY	BULZI	SZW, OTK, GEF, CTY, AMG, TAY
BULZI	IPOKE	SZW, MGM, OTK, GEF, MGR, AMG, TAY
IPOKE	HONID	SZW, OTK, MGR, GEF, MCN, LGC, AMG, PZD, TAY

DME DME Assessment Results for FROGZ2 path CITAG_HONID

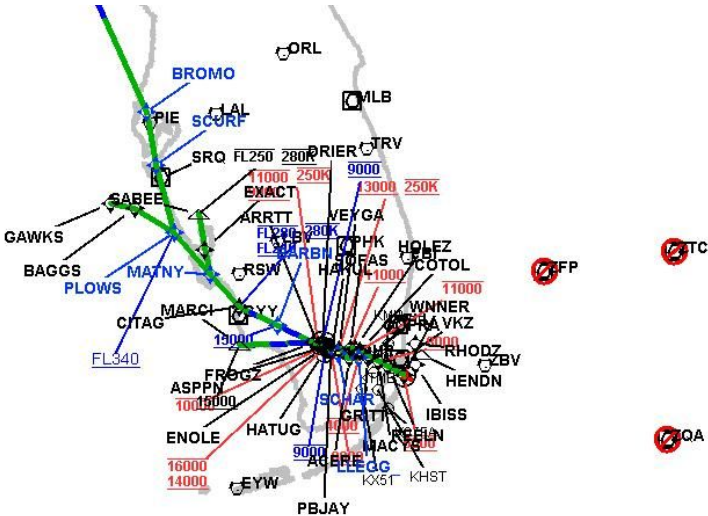
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path CITAG_HONID



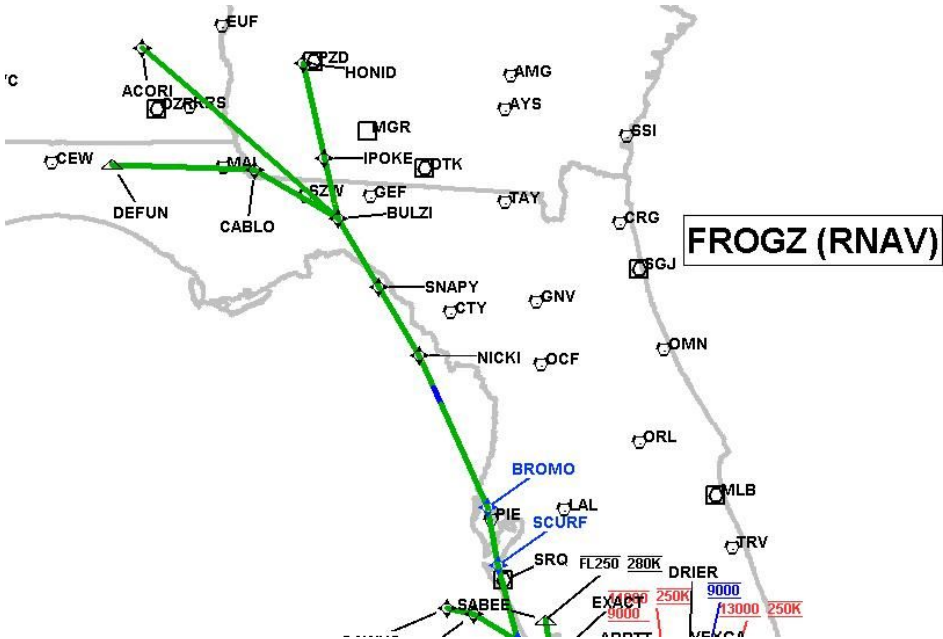
DME DME Assessment Results for FROGZ2 path CITAG_HONID

Graphic Depiction 1



DME DME Assessment Results for FROGZ path CITAG_HONID

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path CITAG_SABEE

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\CITAG_SABEE\KMIA FROGZ2 RNAV STAR CITAG SABEE 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
CITAG	WP	N26° 14' 13.33", W081° 46' 46.35"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.04", W082° 04' 27.61"	18000	VNAV	280	FLY_BY	TF
EXACT	WP	N26° 45' 29.90", W082° 07' 39.62"	18000	VNAV	280	FLY_BY	TF
SABEE	WP	N27° 05' 16.20", W082° 11' 29.33"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path CITAG_SABEE

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	82 %	82 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	77 %	77 %
5	VKZ	N25° 45' 06.85", W080° 09' 16.00"	4.0 W	130	H	IFPA	NO	Enabled	11.3 %	11.3 %
6	FLL	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	H	IFPA	NO	Enabled	22.6 %	22.6 %
7	RSW	N26° 31' 47.55", W081° 46' 32.76"	2.0 W	40	L	IFPA	NO	Enabled	96 %	96 %
8	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	32.6 %	32.5 %
9	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	6.5 %	6.5 %
10	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
11	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
12	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	SRQ	RSW	FLL	DHP	VKZ
6.6	PHK	SRQ	RSW	DHP	FLL	
13.1	RSW	SRQ	PHK	LAL	DHP	
18.9	RSW	SRQ	PHK	PIE	LAL	
55.4	LAL	PHK	SRQ	PIE		

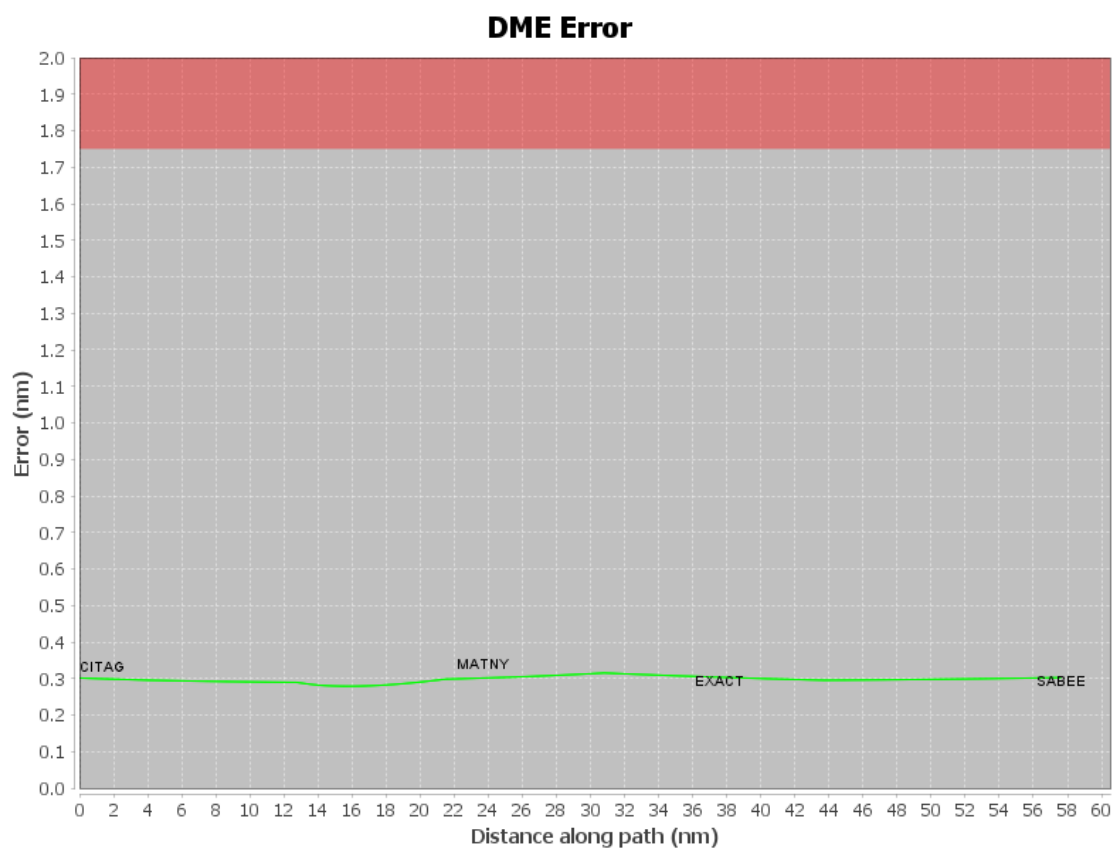
DME DME Assessment Results for FROGZ2 path CITAG_SABEE

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

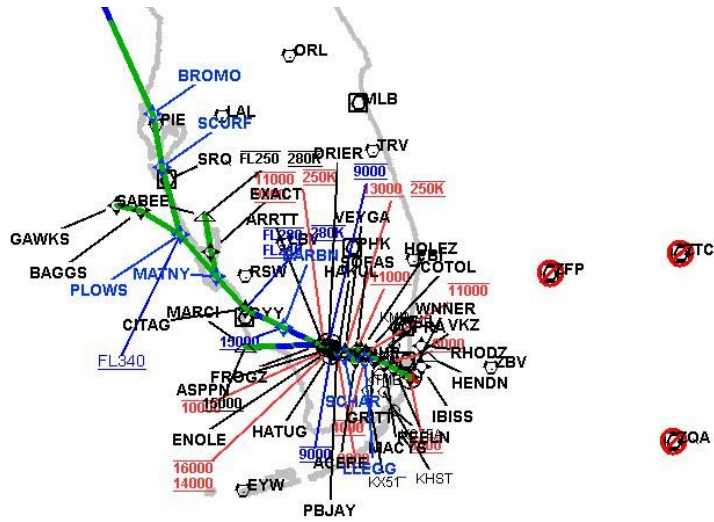
Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
CITAG	MATNY	PHK, SRQ, VKZ, PBI, LAL, RSW, FLL, DHP, PIE
MATNY	EXACT	PHK, SRQ, LAL, RSW, PIE
EXACT	SABEE	PHK, SRQ, LAL, RSW, PIE

User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path CITAG_SABEE

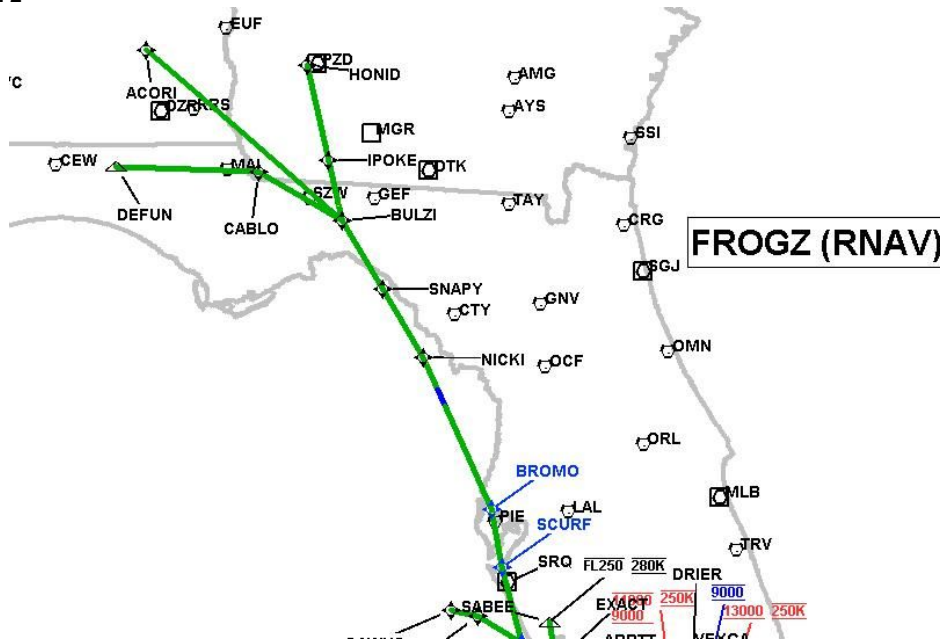


Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path CITAG_SABEE

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path DEFUN_WNNER

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\CK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\CK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\DEFUN_WNNER\KMIA FROGZ2 RNAV STAR DEFUN WNNER 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

DME DME Assessment Results for FROGZ2 path DEFUN_WNNER

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DEFUN	WP	N30° 48' 51.27", W086° 07' 53.09"	18000	VNAV	280	FLY_BY	TF
CABLO	WP	N30° 46' 29.00", W084° 50' 24.00"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.93", W084° 04' 34.47"	18000	VNAV	280	FLY_BY	TF
SNAPY	WP	N29° 48' 51.17", W083° 42' 23.61"	18000	VNAV	280	FLY_BY	TF
NICKI	WP	N29° 15' 20.19", W083° 20' 31.80"	18000	VNAV	280	FLY_BY	TF
BROMO	WP	N28° 00' 38.28", W082° 43' 02.49"	18000	VNAV	280	FLY_BY	TF
SCURF	WP	N27° 31' 52.17", W082° 37' 22.51"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.45", W082° 26' 33.32"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.04", W082° 04' 27.61"	18000	VNAV	280	FLY_BY	TF
CITAG	WP	N26° 14' 13.33", W081° 46' 46.35"	18000	VNAV	280	FLY_BY	TF
BARBN	WP	N26° 04' 13.49", W081° 23' 48.81"	12000	VNAV	280	FLY_BY	TF
FROGZ	WP	N25° 54' 47.44", W081° 02' 13.20"	9000	VNAV	280	FLY_BY	TF
ENOLE	WP	N25° 52' 16.91", W080° 54' 54.03"	9000	VNAV	280	FLY_BY	TF
HAKUL	WP	N25° 50' 50.65", W080° 50' 45.44"	9000	VNAV	280	FLY_BY	TF
VEYGA	WP	N25° 51' 06.53", W080° 46' 19.20"	9000	VNAV	250	FLY_BY	TF
SOFAS	WP	N25° 51' 31.86", W080° 39' 17.68"	9000	VNAV	250	FLY_BY	TF
HOLEZ	WP	N25° 51' 41.12", W080° 36' 33.69"	9000	VNAV	250	FLY_BY	TF
COTOL	WP	N25° 50' 19.36", W080° 33' 45.28"	8000	VNAV	250	FLY_BY	TF
MACYS	WP	N25° 44' 47.73", W080° 22' 22.80"	8000	VNAV	250	FLY_BY	TF
REELN	WP	N25° 42' 11.36", W080° 17' 11.85"	5000	VNAV	250	FLY_BY	TF
WNNER	WP	N25° 36' 59.80", W080° 06' 54.06"	5000	VNAV	250	FLY_OVER	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path DEFUN_WNNER

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME DME Assessment Results for FROGZ2 path DEFUN_WNNER

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	35.6 %	36 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	25.9 %	26.2 %
3	OZR	N31° 16' 08.21", W085° 43' 34.73"	3.0 W	40	L	IFPA	NO	Enabled	8.9 %	9 %
4	OTK	N30° 46' 49.60", W083° 16' 47.02"	2.0 W	130	H	IFPA	NO	Enabled	30.2 %	30.5 %
5	MGM	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	H	IFPA	NO	Enabled	19.7 %	19.9 %
6	CTY	N29° 35' 56.40", W083° 02' 55.65"	2.0 W	40	L	IFPA	NO	Enabled	11.4 %	11.6 %
7	RRS	N31° 17' 04.51", W085° 25' 52.35"	2.0 E	40	L	IFPA	NO	Enabled	8.9 %	8.9 %
8	RSW	N26° 31' 47.55", W081° 46' 32.76"	2.0 W	40	L	IFPA	NO	Enabled	14.5 %	14.6 %
9	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H	IFPA	NO	Enabled	19 %	19.3 %
10	TAY	N30° 30' 16.70", W082° 33' 10.45"	3.0 W	130	H	IFPA	NO	Enabled	23.6 %	23.8 %
11	CYY	N26° 09' 12.34", W081° 46' 41.17"	3.0 W	25	T	IFPA	NO	Enabled	2.8 %	2.8 %
12	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	34.7 %	35.1 %
13	GEF	N30° 33' 04.83", W083° 46' 59.28"	1.0 E	40	L	IFPA	NO	Enabled	11.7 %	11.8 %
14	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	37.5 %	37.9 %
15	VKZ	N25° 45' 06.85", W080° 09' 16.00"	4.0 W	130	H	IFPA	NO	Enabled	11.2 %	10.5 %
16	CEW	N30° 49' 34.23", W086° 40' 44.92"	3.0 E	130	H	IFPA	NO	Enabled	14.2 %	14.3 %
17	FLL	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	H	IFPA	NO	Enabled	14.5 %	13.6 %
18	MAI	N30° 47' 10.30", W085° 07' 28.08"	0.0 E	40	L	IFPA	NO	Enabled	11 %	11.1 %
19	AMG	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	H	IFPA	NO	Enabled	14.1 %	14.2 %
20	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	15 %	14.4 %
21	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	11 %	10.5 %
22	SZW	N30° 33' 22.42", W084° 22' 26.19"	2.0 E	130	H	IFPA	NO	Enabled	36.7 %	37 %
23	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
24	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
25	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ2 path DEFUN_WNNER

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MGM	CEW	OZR	SZW		
12.2	OZR	MAI	CEW	SZW	MGM	
35.2	RRS	MAI	CEW	SZW	OZR	
44.2	RRS	MAI	CEW	SZW	MGM	AMG
46.6	RRS	CEW	SZW	MGM	AMG	
57.2	MGM	OTK	CEW	AMG	SZW	
70.5	AMG	MGM	OTK	SZW		
77.5	AMG	SZW	MGM	OTK	MAI	
85.1	AMG	MGM	OTK	MAI		
86.4	AMG	MGM	OTK	MAI	GEF	
92.4	MGM	OTK	AMG	GEF	TAY	
107.1	SZW	OTK	GEF	AMG	TAY	
114.5	SZW	GEF	OTK	TAY		
144.4	TAY	SZW	OTK			
150.7	CTY	OTK	TAY	SZW		
178.7	SZW	CTY	PIE	TAY	OTK	
195.4	LAL	CTY	TAY	PIE	OTK	
197.6	LAL	CTY	TAY	PIE		
207.6	TAY	LAL	PIE			
207.7						
216.7	ORL	PIE	SRQ			
218.6	ORL	PIE	SRQ	LAL		
275.1	LAL	SRQ	ORL			
281.0	LAL	SRQ	PIE	ORL		
303.9	LAL	PIE	PHK	ORL		
311.3	PHK	LAL	PIE			
314.5	PHK	LAL	SRQ	PIE		
343.1	RSW	LAL	PHK	PIE	SRQ	
379.7	RSW	SRQ	PHK	LAL	DHP	
382.6	PHK	SRQ	RSW	DHP	FLL	
399.9						
404.9	RSW	CYY				
406.7	PHK	RSW	CYY			
418.8	PHK	RSW				
420.2						
430.3	PHK	FLL				
434.8						
436.4	PHK	DHP	PBI			
447.3	PHK	VKZ	DHP	PBI		
449.0	PHK	VKZ	DHP	FLL	PBI	
451.4	PBI	VKZ	DHP	FLL		
472.6	PBI	VKZ	FLL			
477.4	VKZ	FLL				
482.6	FLL	DHP	VKZ			
483.8	FLL	DHP				
488.3	VKZ	DHP	FLL			
490.0	FLL	DHP				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 59' 14.62", W083° 12' 22.22"	N28° 51' 03.09", W083° 08' 14.06"	8.941
2	N26° 11' 10.72", W081° 39' 45.67"	N26° 09' 00.65", W081° 34' 46.74"	4.9763
3	N26° 02' 19.73", W081° 19' 27.54"	N25° 57' 55.12", W081° 09' 21.58"	10.1059
4	N25° 55' 56.84", W081° 04' 51.47"	N25° 55' 13.98", W081° 03' 13.71"	1.6325

DME DME Assessment Results for FROGZ2 path DEFUN_WNNER

Available DMEs by Waypoints

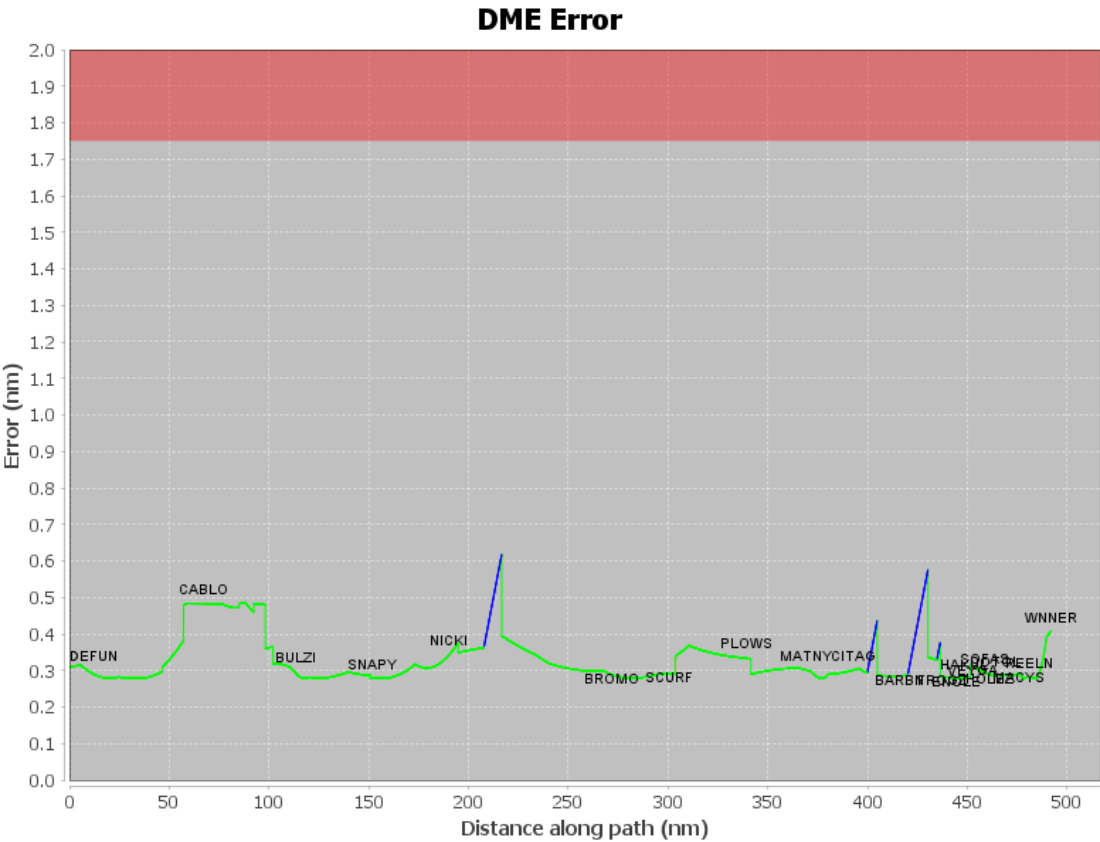
Waypoint Before	Waypoint After	DME List
DEFUN	CABLO	SZW, MGM, RRS, CEW, MAI, OZR, OTK, AMG
CABLO	BULZI	SZW, MGM, CEW, MAI, OTK, GEF, AMG, TAY
BULZI	SNAPY	SZW, OTK, GEF, CTY, AMG, TAY
SNAPY	NICKI	SZW, OTK, CTY, TAY, PIE
NICKI	BROMO	SZW, SRQ, LAL, OTK, ORL, CTY, TAY, PIE
BROMO	SCURF	SRQ, LAL, ORL, PIE
SCURF	PLOWS	PHK, SRQ, LAL, ORL, PIE
PLOWS	MATNY	PHK, SRQ, LAL, RSW, PIE
MATNY	CITAG	PHK, SRQ, VKZ, LAL, PBI, RSW, FLL, PIE, DHP
CITAG	BARBN	PHK, CYY, SRQ, VKZ, PBI, RSW, FLL, DHP
BARBN	FROGZ	CYY, PHK, PBI, RSW, FLL, DHP
FROGZ	ENOLE	PHK, PBI, DHP
ENOLE	HAKUL	PHK, VKZ, PBI, DHP
HAKUL	VEYGA	PHK, VKZ, PBI, FLL, DHP
VEYGA	SOFAS	VKZ, PBI, FLL, DHP
SOFAS	HOLEZ	VKZ, PBI, FLL, DHP
HOLEZ	COTOL	VKZ, PBI, FLL, DHP
COTOL	MACYS	VKZ, PBI, FLL, DHP
MACYS	REELN	VKZ, PBI, FLL
REELN	WNNER	VKZ, FLL, DHP

User Data Files

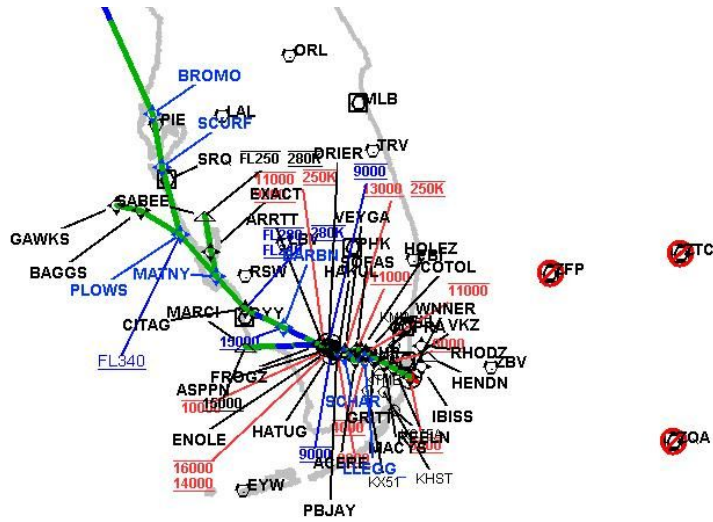
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1	New Analysis.udt
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

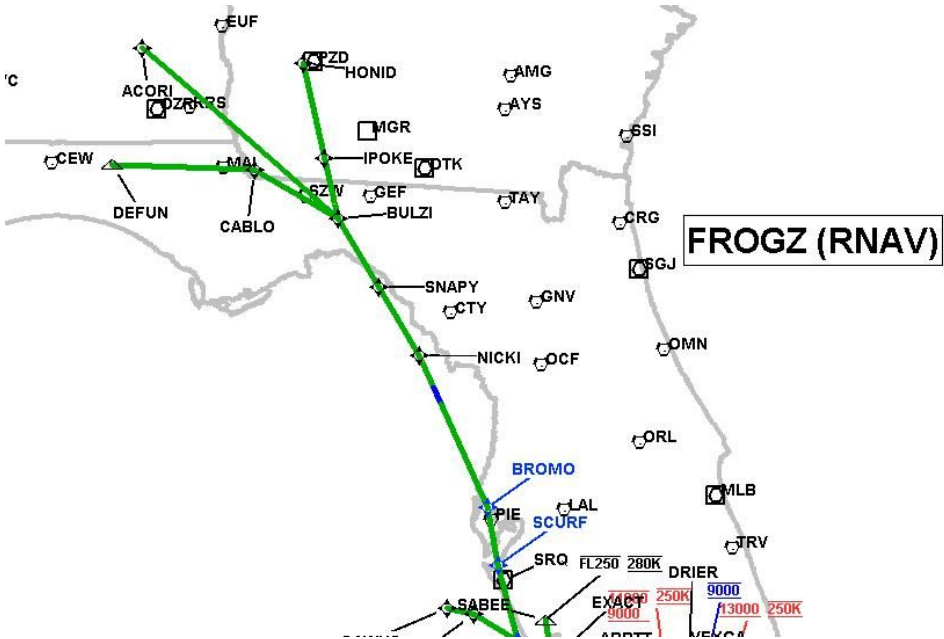


Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path DEFUN_WNNER

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path FROGZ_DRIER

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\FROGZ_DRIER\KMIA FROGZ2 RNAV STAR FROGZ DRIER 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
FROGZ	WP	N25° 54' 47.44", W081° 02' 13.20"	9000	VNAV	280	FLY_BY	TF
DRIER	WP	N25° 55' 23.24", W080° 55' 58.17"	9000	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path FROGZ_DRIER

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
2	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
3	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
6	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	DHP	PBI			

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
FROGZ	DRIER	PHK, PBI, DHP

DME DME Assessment Results for FROGZ2 path FROGZ_DRIER

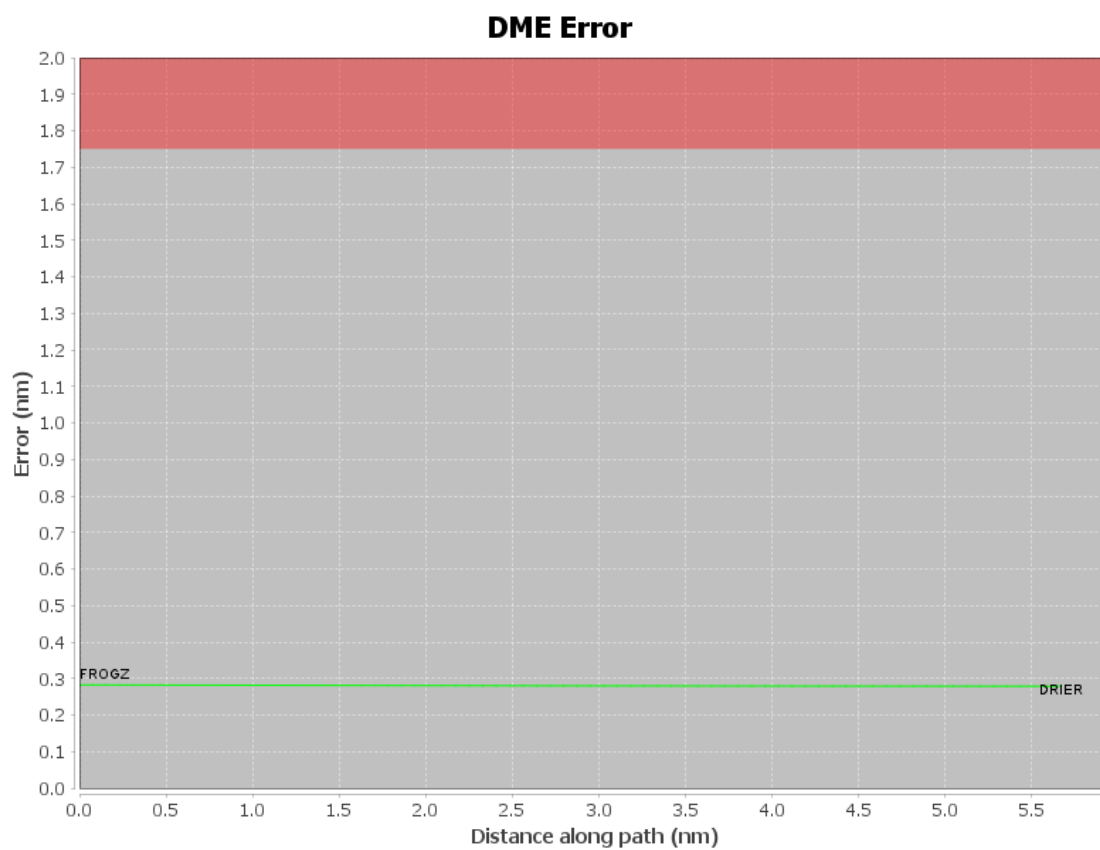
User Data Files

#	File Name
1	New Analysis.udt
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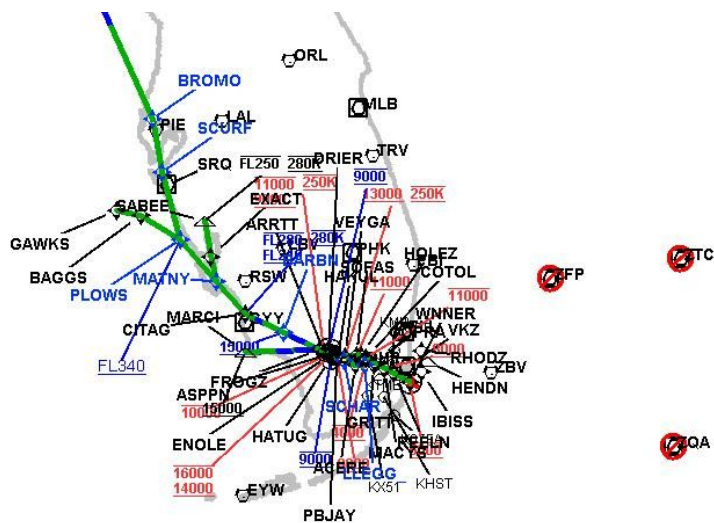
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path FROGZ_DRIER

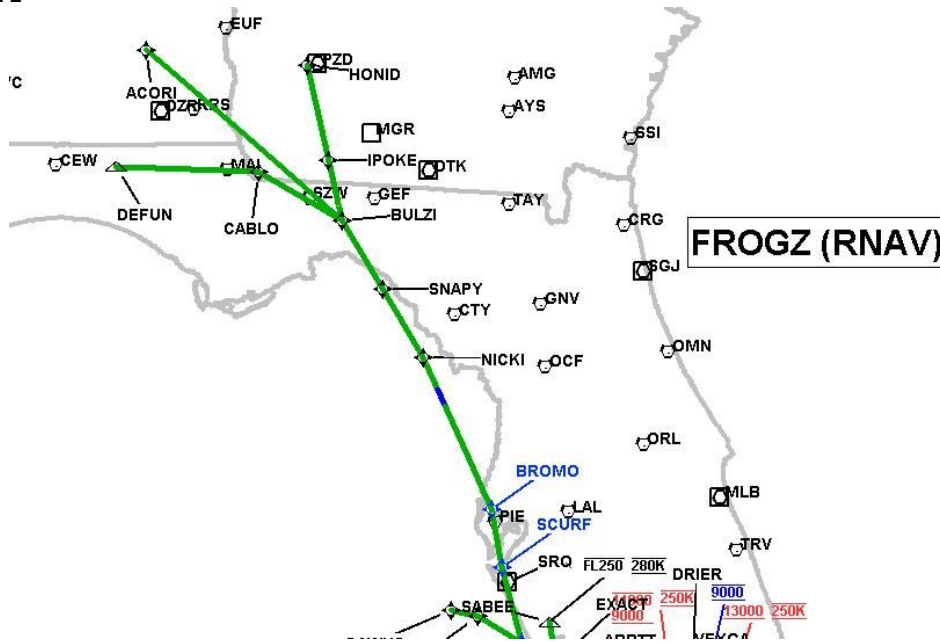


Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path FROGZ_DRIER

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path FROGZ_DRIER

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\FROGZ_DRIER\KMIA FROGZ2 RNAV STAR FROGZ DRIER 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
FROGZ	WP	N25° 54' 47.44", W081° 02' 13.20"	9000	VNAV	280	FLY_BY	TF
DRIER	WP	N25° 55' 23.24", W080° 55' 58.17"	9000	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path FROGZ_DRIER

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
2	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
3	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
6	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	DHP	PBI			

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
FROGZ	DRIER	PHK, PBI, DHP

DME DME Assessment Results for FROGZ2 path FROGZ_DRIER

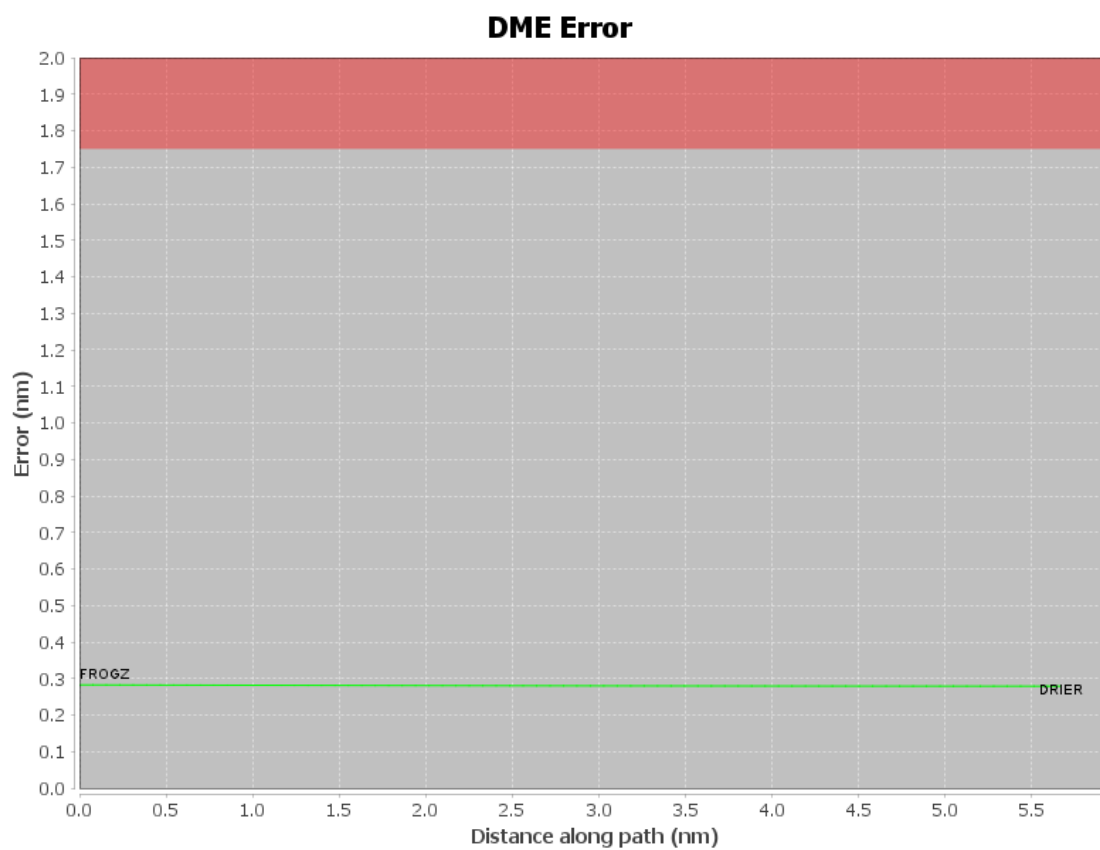
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMesKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

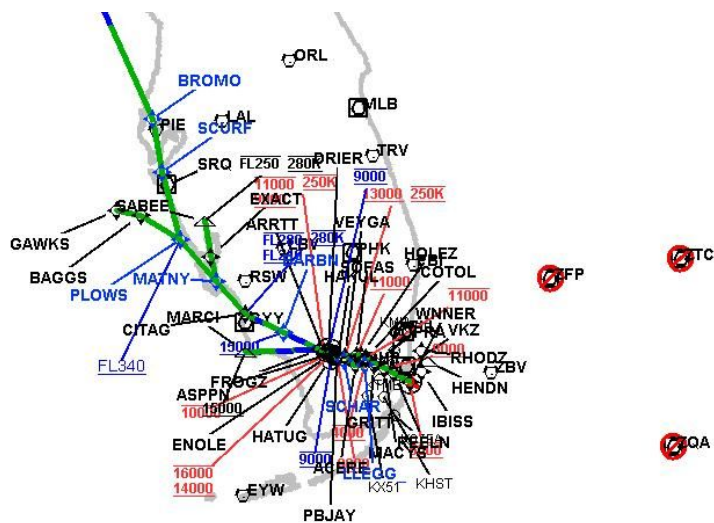
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path FROGZ_DRIER

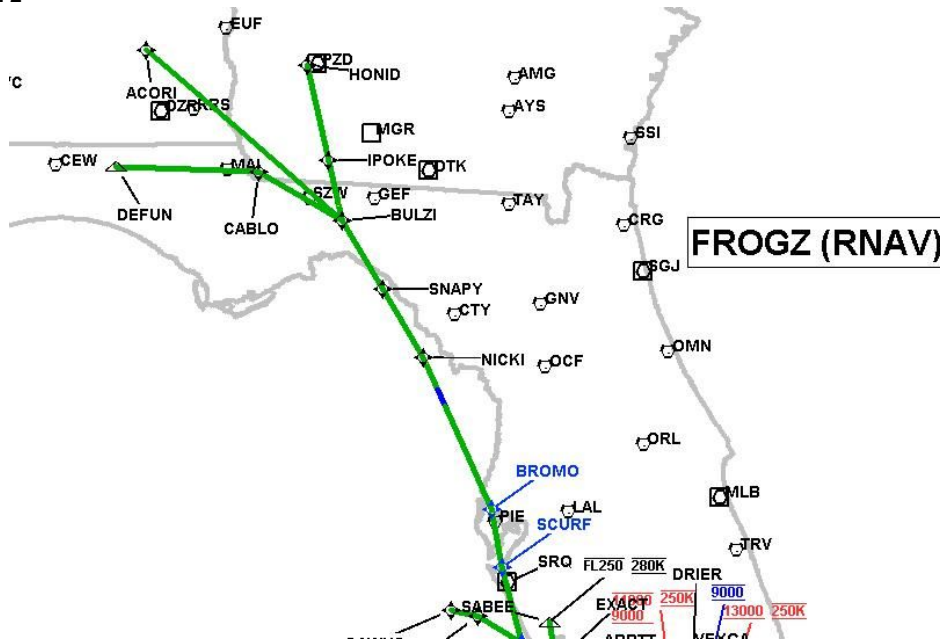


Graphic Depiction 1



DME DME Assessment Results for FROGZ path FROGZ_DRIER

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path FROGZ_HATUG

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\FROGZ_HATUG\KMIA FROGZ2 RNAV STAR FROGZ HATUG 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
FROGZ	WP	N25° 54' 47.44", W081° 02' 13.20"	9000	VNAV	280	FLY_BY	TF
HATUG	WP	N25° 50' 06.59", W080° 54' 57.02"	9000	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path FROGZ_HATUG

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
2	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
3	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
6	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	DHP	PBI			

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
FROGZ	HATUG	PHK, PBI, DHP

DME DME Assessment Results for FROGZ2 path FROGZ_HATUG

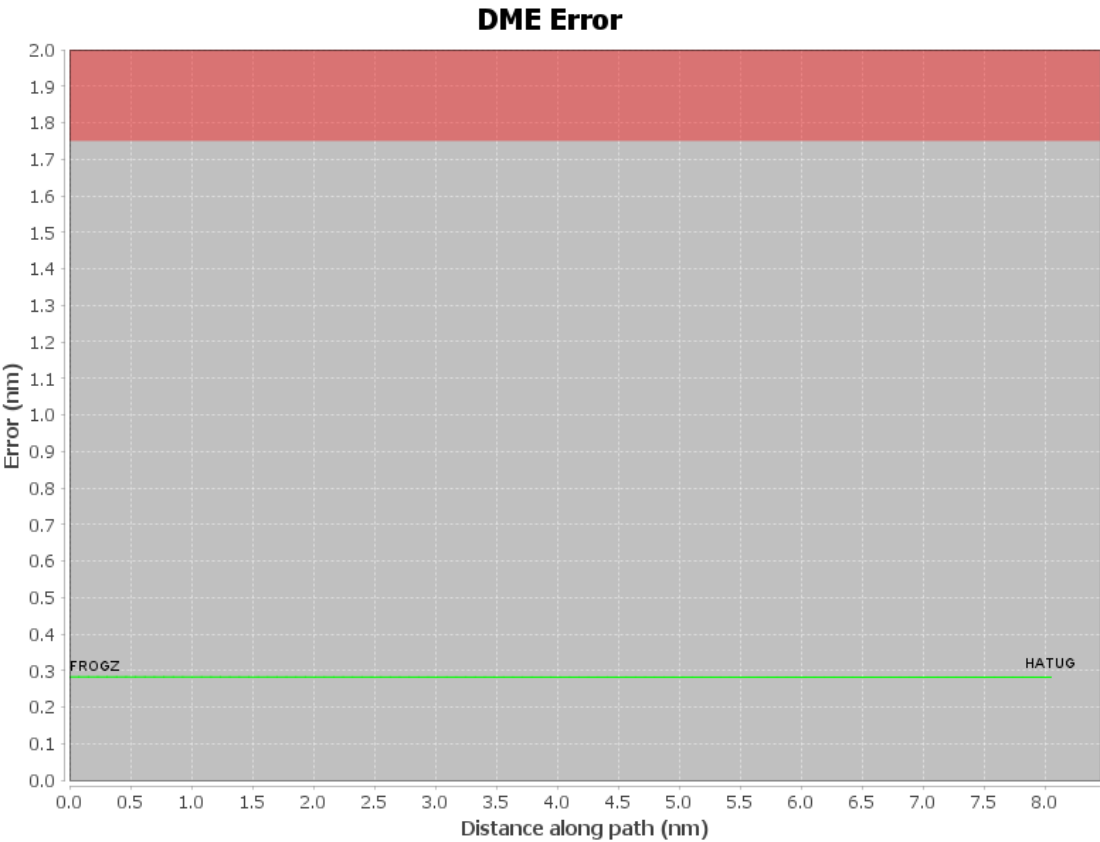
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMesKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

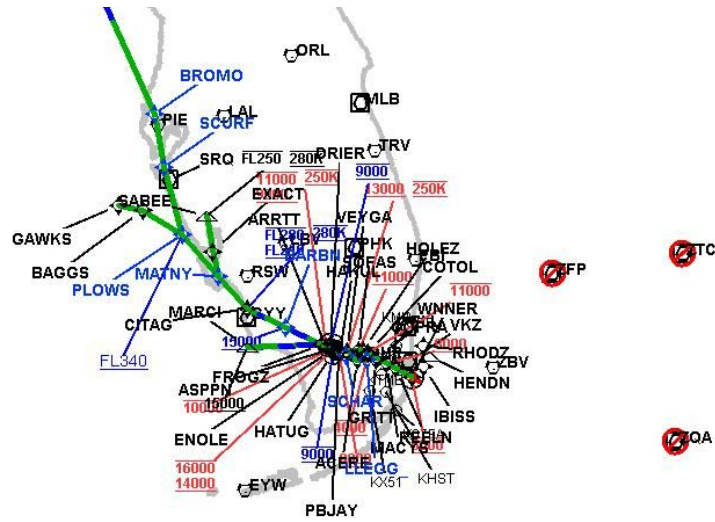
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path FROGZ_HATUG

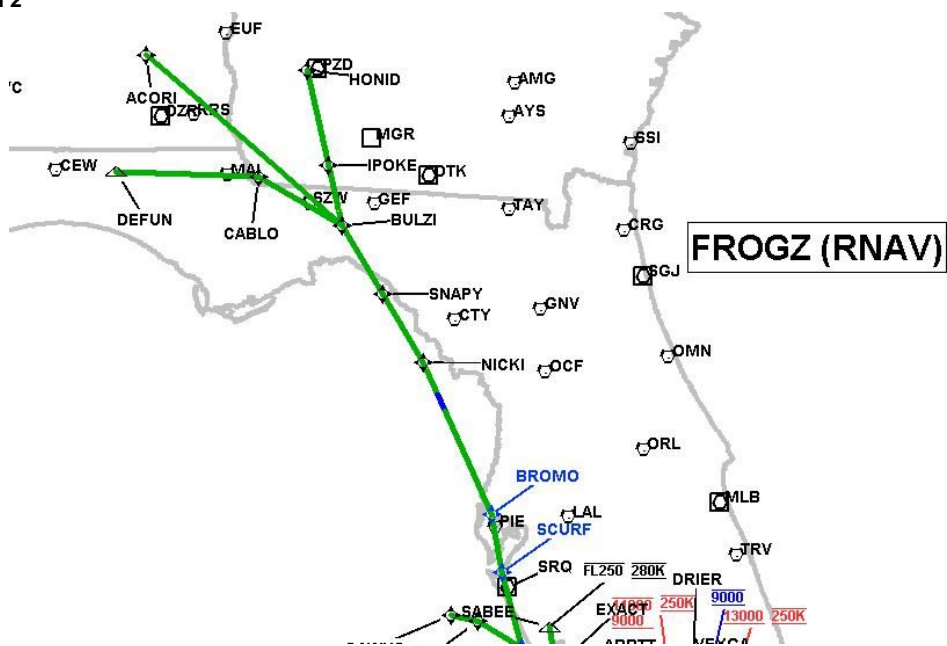


Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path FROGZ_HATUG

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path GAWKS_PLOWS

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\GAWKS_PLOWS\KMIA FROGZ2 RNAV STAR GAWKS PLOWS 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
GAWKS	WP	N27° 10' 53.38", W083° 05' 15.17"	18000	VNAV	280	FLY_BY	TF
BAGGS	WP	N27° 08' 03.28", W082° 50' 27.20"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.45", W082° 26' 33.32"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path GAWKS_PLOWS

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
5	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
6	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
7	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	PIE	SRQ	LAL		

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
GAWKS	BAGGS	PHK, SRQ, LAL, PIE
BAGGS	PLOWS	PHK, SRQ, LAL, PIE

DME DME Assessment Results for FROGZ2 path GAWKS_PLOWS

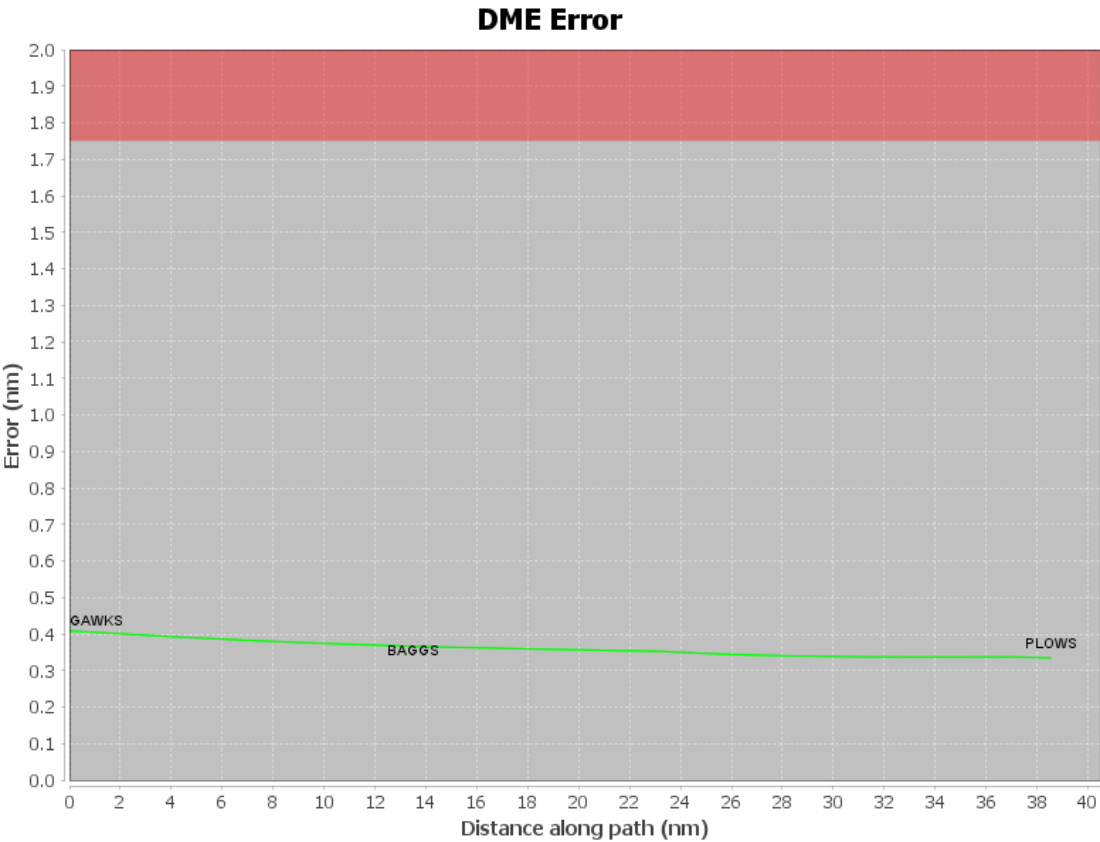
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

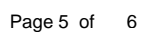
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path GAWKS_PLOWS

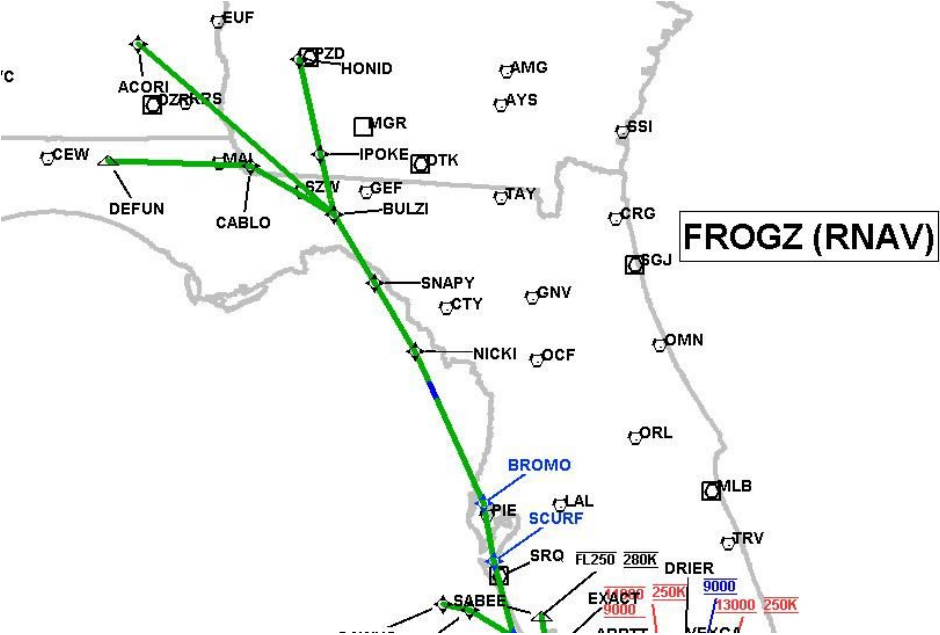


Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path GAWKS_PLOWS

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path HONID_BULZI

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\HONID_BULZI\KMIA FROGZ2 RNAV STAR HONID BULZI 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
HONID	WP	N31° 38' 50.31", W084° 23' 42.60"	18000	VNAV	280	FLY_BY	TF
IPOKE	WP	N30° 51' 48.89", W084° 11' 52.43"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.93", W084° 04' 34.47"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path HONID_BULZI

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TAY	N30° 30' 16.70", W082° 33' 10.45"	3.0 W	130	H	IFPA	NO	Enabled	61.3 %	61.3 %
2	LGC	N33° 02' 56.83", W085° 12' 22.40"	1.0 E	130	H	IFPA	NO	Enabled	7.1 %	7.1 %
3	OTK	N30° 46' 49.60", W083° 16' 47.02"	2.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	PZD	N31° 39' 18.74", W084° 17' 35.16"	2.0 W	40	L	IFPA	NO	Enabled	46.2 %	46.2 %
5	MGM	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	H	IFPA	NO	Enabled	8.5 %	8.5 %
6	MGR	N31° 04' 56.17", W083° 48' 15.18"	0.0 E	40	L	IFPA	NO	Enabled	77.3 %	77.3 %
7	GEF	N30° 33' 04.83", W083° 46' 59.28"	1.0 E	40	L	IFPA	NO	Enabled	50.4 %	50.4 %
8	MCN	N32° 41' 28.27", W083° 38' 49.86"	1.0 E	130	H	IFPA	NO	Enabled	39.2 %	39.2 %
9	AMG	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	H	IFPA	NO	Enabled	79.6 %	79.6 %
10	SZW	N30° 33' 22.42", W084° 22' 26.19"	2.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
11	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
12	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
13	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ2 path HONID_BULZI

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	MCN	OTK	LGC	SZW		
2.2	MCN	OTK	AMG	SZW	LGC	
5.6	PZD	OTK	MCN	AMG	SZW	
30.7	MGR	SZW	PZD	OTK	AMG	TAY
39.5	SZW	OTK	MGR	GEF	TAY	AMG
49.9	SZW	GEF	MGR	OTK	TAY	
69.3	AMG	SZW	MGM	OTK	GEF	TAY
69.5	MGR	SZW	TAY	GEF	OTK	
70.2	AMG	SZW	OTK	TAY		
71.9	AMG	SZW	OTK	GEF	TAY	

Inertial Drift Segments

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

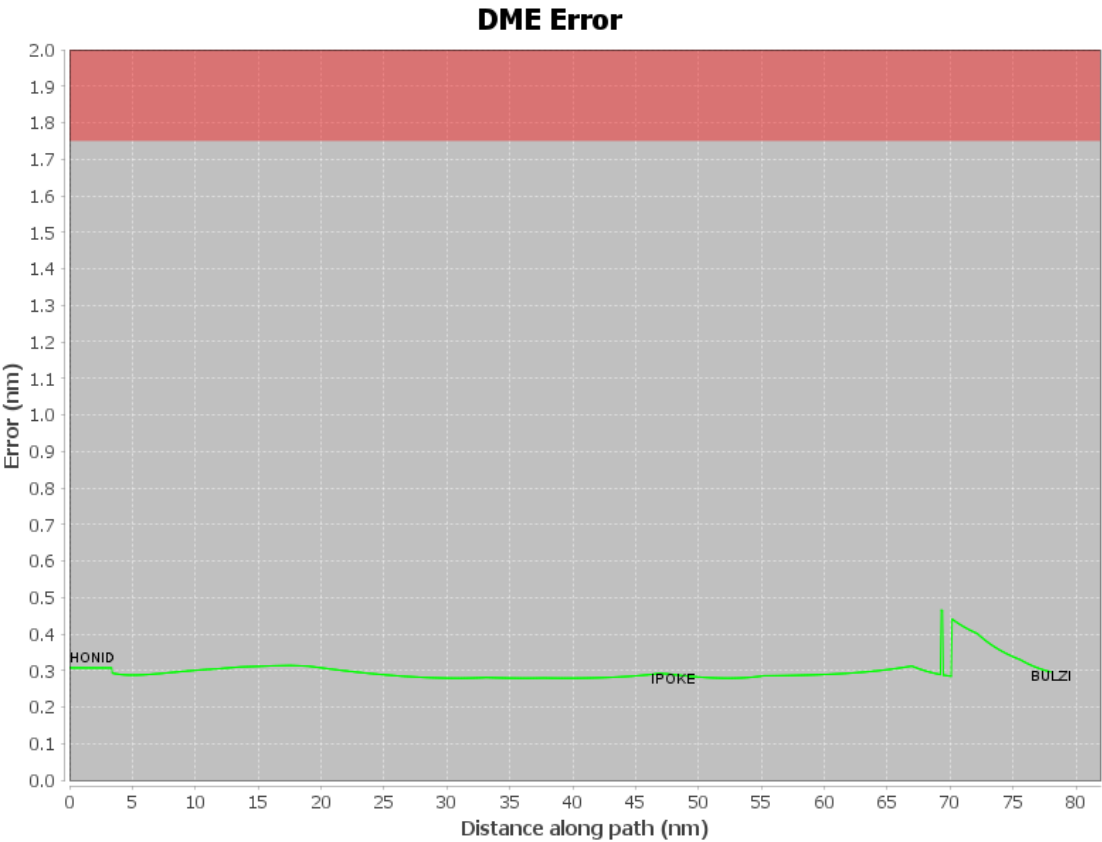
Waypoint Before	Waypoint After	DME List
HONID	IPOKE	SZW, OTK, LGC, MCN, MGR, GEF, AMG, PZD, TAY
IPOKE	BULZI	SZW, MGM, OTK, MGR, GEF, AMG, TAY

User Data Files

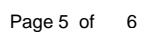
#	File Name
1	New Analysis.udt
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

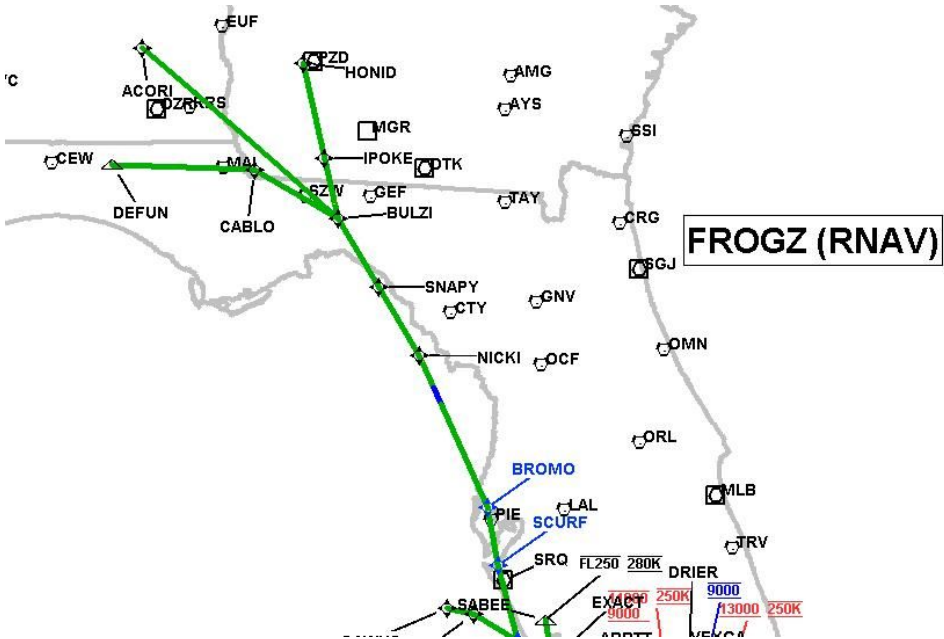


Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path HONID_BULZI

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path MARCI_LLEGG_

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\MARCI_LLEGG_KMIA FROGZ2 RNAV STAR MARCI LLEGG_20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
MARCI	WP	N25° 53' 27.84", W081° 47' 02.37"	9000	VNAV	200	FLY_BY	TF
FROGZ	WP	N25° 54' 47.44", W081° 02' 13.20"	9000	VNAV	280	FLY_BY	TF
ARRTT	WP	N25° 53' 32.27", W080° 58' 56.99"	9000	VNAV	250	FLY_BY	TF
ASPPN	WP	N25° 52' 23.77", W080° 55' 58.42"	8000	VNAV	250	FLY_BY	TF
PBJAY	WP	N25° 50' 34.47", W080° 51' 13.93"	8000	VNAV	250	FLY_BY	TF
SCHAR	WP	N25° 48' 52.70", W080° 46' 49.54"	4000	VNAV	250	FLY_BY	TF
ACERE	WP	N25° 46' 14.84", W080° 40' 00.36"	4000	VNAV	250	FLY_BY	TF
LLEGG_	WP	N25° 46' 31.10", W080° 34' 08.58"	4000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path MARCI_LLEGG_

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CYY	N26° 09' 12.34", W081° 46' 41.17"	3.0 W	25	T	IFPA	NO	Enabled	26.6 %	24.1 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	51.3 %	51.7 %
3	VKZ	N25° 45' 06.85", W080° 09' 16.00"	4.0 W	130	H	IFPA	NO	Enabled	22.1 %	25.1 %
4	FLL	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	H	IFPA	NO	Enabled	46.3 %	45.4 %
5	DHP	N25° 47' 59.87", W080° 20' 56.53"	4.0 W	130	H	IFPA	NO	Enabled	36.4 %	41.9 %
6	PBI	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	H	IFPA	NO	Enabled	36.4 %	41.9 %
7	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
8	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
9	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FLL	CYY	PHK			
16.3	PHK	FLL				
17.9						
26.9	PHK	FLL				
27.9						
39.2	PHK	DHP	PBI			
50.6	PHK	VKZ	DHP	PBI		
54.0	PHK	VKZ	DHP	FLL	PBI	
55.3	PBI	VKZ	DHP	FLL		
55.6	PBI	VKZ	DHP			
57.2	PBI	VKZ	DHP	FLL		

DME DME Assessment Results for FROGZ2 path MARCI_LLEGG_

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 54' 04.87", W081° 27' 09.36"	N25° 54' 22.30", W081° 17' 14.63"	8.9428
2	N25° 54' 24.32", W081° 16' 04.44"	N25° 54' 45.24", W081° 03' 34.48"	11.2756

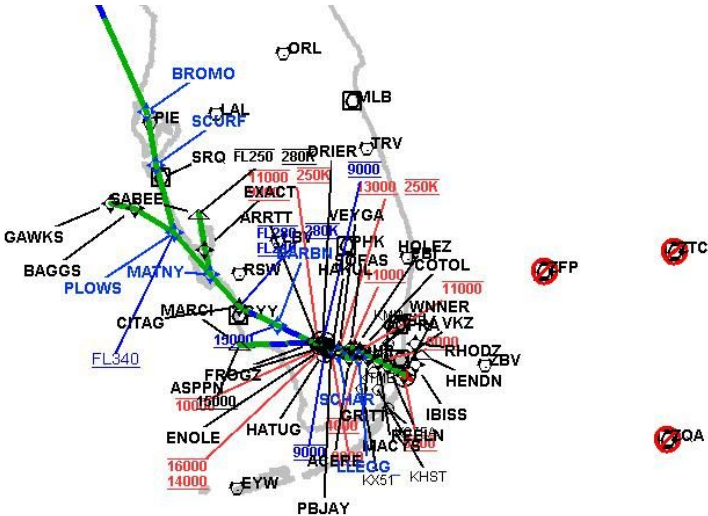
Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
MARCI	FROGZ	PHK, CYY, PBI, FLL, DHP
FROGZ	ARRTT	PHK, PBI, DHP
ARRTT	ASPPN	PHK, PBI, DHP
ASPPN	PBJAY	PHK, VKZ, PBI, DHP
PBJAY	SCHAR	PHK, VKZ, PBI, FLL, DHP
SCHAR	ACERE	VKZ, PBI, FLL, DHP
ACERE	LLEGG_	VKZ, PBI, FLL, DHP

User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		



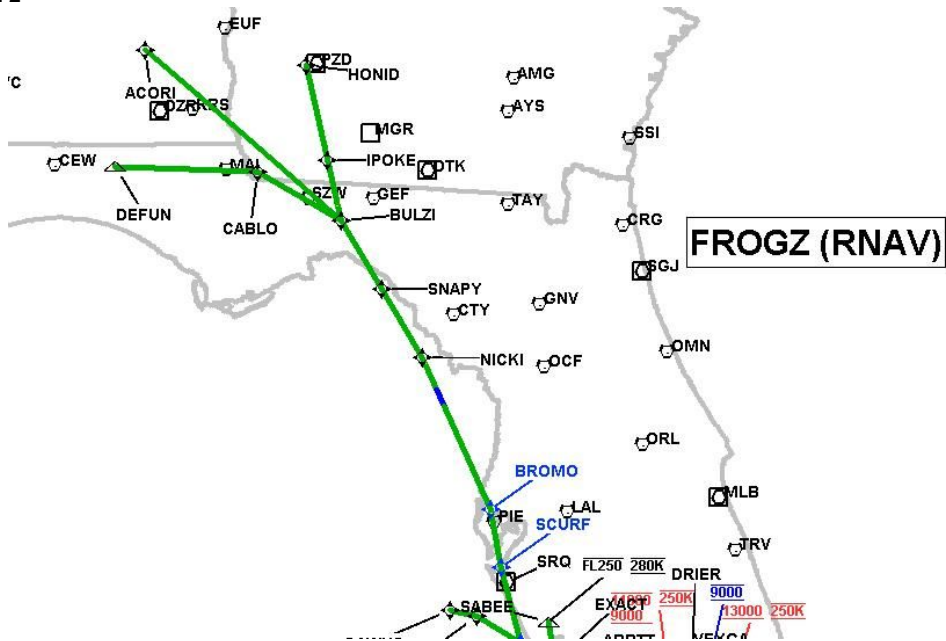
DME DME Assessment Results for FROGZ2 path MARCI_LLEGG_

Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path MARCI_LLEGG_

Graphic Depiction 2



DME DME Assessment Results for FROGZ2 path SABEE_MATNY

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\ICK FOR Liz\FROGZ\KMIA FROGZ2 STAR DME 20211216.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\ICK FOR Liz\FROGZ\DME_DME\KMIA [IFPA] FROGZ2 20220222_1300 EST\SABEE_MATNY\KMIA FROGZ2 RNAV STAR SABEE MATNY 20220222_1300 EST.pdf
Procedure Name:	FROGZ2
Software: DmeDmePlugin:	6.4.1
Date/Time:	02/22/2022 13:00 EST
Databases:	DTED 0 MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SABEE	WP	N27° 05' 16.20", W082° 11' 29.33"	18000	VNAV	280	FLY_BY	TF
EXACT	WP	N26° 45' 29.90", W082° 07' 39.62"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.04", W082° 04' 27.61"	18000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KMIA [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 FROGZ2 path SABEE_MATNY

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	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:	ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
2	PHK	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	SRQ	N27° 24' 25.26", W082° 33' 49.18"	5.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
4	PIE	N27° 54' 27.95", W082° 41' 03.51"	5.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
5	RSW	N26° 31' 47.55", W081° 46' 32.76"	2.0 W	40	L	IFPA	NO	Enabled	93.1 %	93.1 %
6	ZFP	N26° 33' 19.25", W078° 41' 52.25"	3.0 W	130	H	IFPA	NO	Disabled		
7	ZQA	N25° 01' 31.80", W077° 26' 47.10"	6.0 W	130	H	IFPA	NO	Disabled		
8	ZTC	N26° 44' 05.00", W077° 22' 45.00"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	LAL	PHK	SRQ	PIE		
2.3	LAL	PHK	SRQ	PIE	RSW	

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
SABEE	EXACT	PHK, SRQ, LAL, RSW, PIE
EXACT	MATNY	PHK, SRQ, LAL, RSW, PIE

DME DME Assessment Results for FROGZ2 path SABEE_MATNY

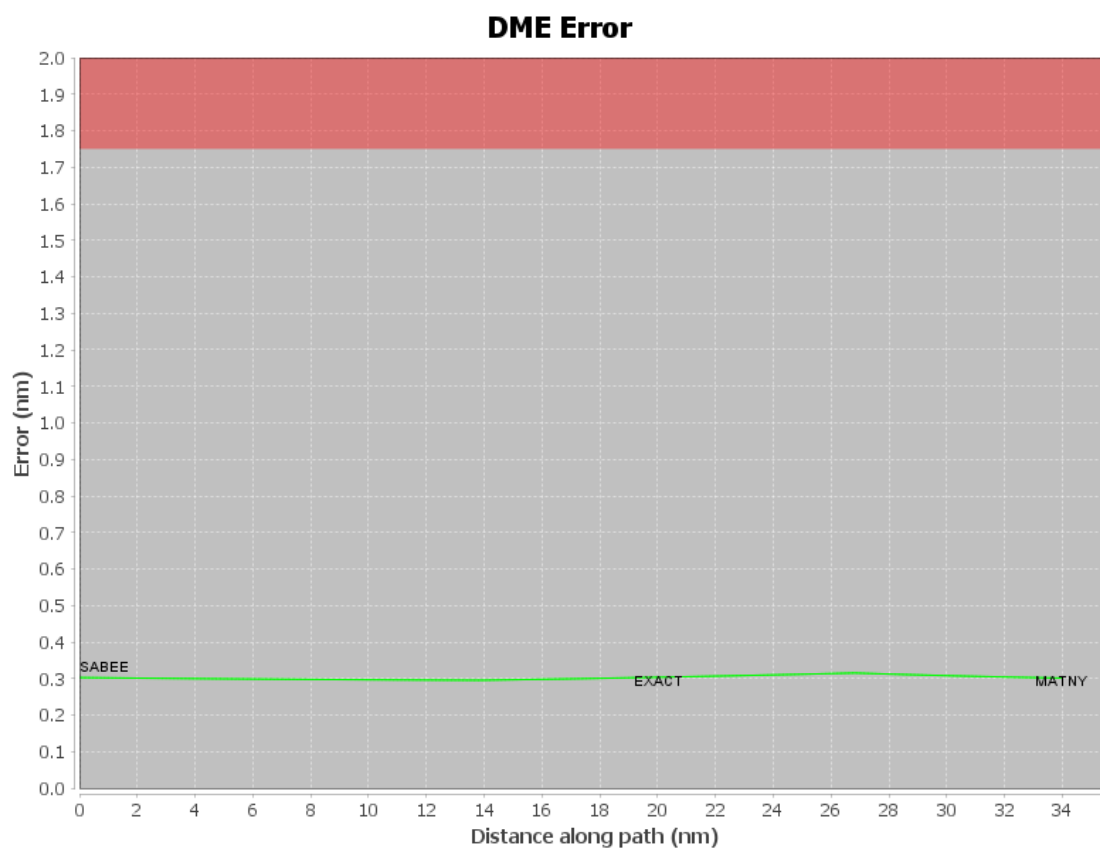
User Data Files

#	File Name
1	New Analysis.udt
2	UserDMesKPBI [IFPA] VUUDU1 RNAV STAR_20211129_1457 EST.udt

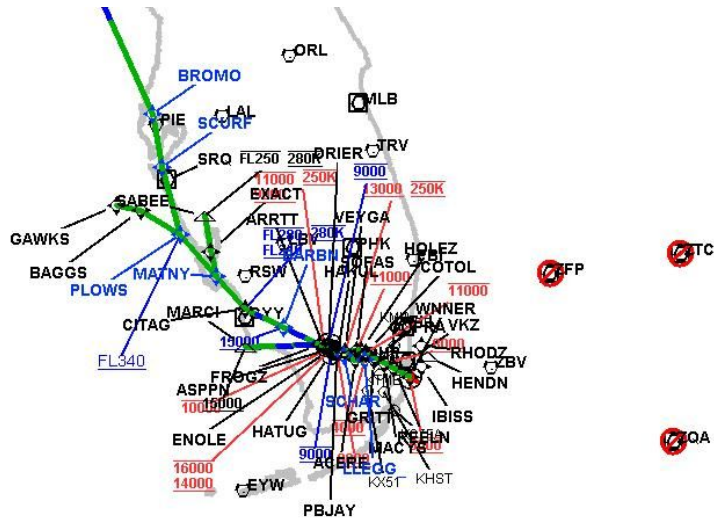
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PHK FAA 900991-068 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-068	
ESV:		Bearing [True]: 216.0° to 232.0° Bearing [Mag]: 216.0° to 232.0°				Arc Distance: Out to 83.0 NM Altitude: 8900.0 to 14600.0 ft		
2	UDT ESV PHK PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	UDT ESV PHK	
ESV:		Bearing [True]: 185.0° to 225.0° Bearing [Mag]: 185.0° to 225.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 11000.0 ft		
3	FLL FAA 121409 - 031 FLL [IFPA]	N26° 04' 26.18", W080° 09' 59.19"	6.0 W	130	5.6	114.4	FLL FAA 121409 - 031	
ESV:		Bearing [True]: 257.0° to 267.0° Bearing [Mag]: 263.0° to 273.0°				Arc Distance: Out to 89.0 NM Altitude: 8900.0 to 14600.0 ft		
4	PHK FAA 900991-63 PHK [IFPA]	N26° 46' 57.87", W080° 41' 29.16"	0.0 E	130	15.5	115.4	PHK FAA 900991-63	
ESV:		Bearing [True]: 270.0° to 300.0° Bearing [Mag]: 270.0° to 300.0°				Arc Distance: Out to 140.0 NM Altitude: 15000.0 to 18000.0 ft		
5	AMG FAA 704195-20 AMG [IFPA]	N31° 32' 11.60", W082° 30' 29.12"	0.0 E	130	193.5	115.1	AMG FAA 704195-20	
ESV:		Bearing [True]: 170.0° to 350.0° Bearing [Mag]: 170.0° to 350.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
6	PBI FAA 882483-079 PBI [IFPA]	N26° 40' 48.20", W080° 05' 11.36"	3.0 W	130	15.7	115.7	PBI FAA 882483-079	
ESV:		Bearing [True]: 193.0° to 248.0° Bearing [Mag]: 196.0° to 251.0°				Arc Distance: Out to 73.0 NM Altitude: 3000.0 to 16000.0 ft		
7	UDT ESV MGM MGM [IFPA]	N32° 13' 20.21", W086° 19' 11.02"	3.0 E	130	271	112.1	UDT ESV MGM	
ESV:		Bearing [True]: 108.0° to 248.0° Bearing [Mag]: 105.0° to 245.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 33000.0 ft		

DME DME Assessment Results for FROGZ2 path SABEE_MATNY



Graphic Depiction 1



DME DME Assessment Results for FROGZ2 path SABEE_MATNY

Graphic Depiction 2

