

DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\ACORI_BULZI\KMIA FROGZ5 RNAV STAR ACORI BULZI 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
ACORI	WP	N31° 46' 23.36000000", W085° 51' 29.51000000"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.93000000", W084° 04' 34.47000000"	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 FROGZ5 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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path ACORI_BULZI

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OZR	N31° 16' 08.215000000", W085° 43' 34.725000000"	3.0 W	40	L		NO	Enabled	32 %	32 %
2	OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	H		NO	Enabled	59 %	59 %
3	LGC	N33° 02' 56.827600000", W085° 12' 22.397200000"	1.0 E	130	H		NO	Enabled	23.3 %	23.3 %
4	GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	L		NO	Enabled	23.7 %	23.7 %
5	TAY	N30° 30' 16.696000000", W082° 33' 10.452000000"	3.0 W	130	H		NO	Enabled	20.1 %	20.1 %
6	SZW	N30° 33' 22.417900000", W084° 22' 26.191600000"	2.0 E	130	H		NO	Enabled	90.4 %	90.4 %
7	RRS	N31° 17' 04.514400000", W085° 25' 52.354900000"	2.0 E	40	L		NO	Enabled	59.8 %	59.8 %
8	MGM	N32° 13' 20.213800000", W086° 19' 11.017500000"	3.0 E	130	H		NO	Enabled	51.6 %	51.6 %
9	CEW	N30° 49' 34.225500000", W086° 40' 44.915800000"	3.0 E	130	H		NO	Enabled	59 %	59 %
10	MAI	N30° 47' 10.304700000", W085° 07' 28.080800000"	0.0 E	40	L		NO	Enabled	53.2 %	53.2 %
11	EUF	N31° 57' 00.902800000", W085° 07' 49.726200000"	2.0 E	40	L		NO	Enabled	16.8 %	16.8 %
12	MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	L		NO	Enabled	10.9 %	10.9 %
13	PZD	N31° 39' 18.741000000", W084° 17' 35.161700000"	2.0 W	130	DH		NO	Enabled	100 %	100 %
14	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
15	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
16	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
17	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
18	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ5 path ACORI_BULZI

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
19	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
20	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CEW	MGM	RRS	OZR	PZD	LGC
5.5	CEW	MGM	RRS	LGC	PZD	
29.0	OZR	MGM	RRS	PZD	EUF	SZW
36.0	MAI	OZR	PZD	RRS	SZW	MGM
58.8	SZW	PZD	RRS	MAI	OTK	MGM
64.2	RRS	MAI	SZW	PZD	OTK	CEW
73.5	RRS	PZD	MAI	SZW	OTK	
74.4	MAI	SZW	PZD	OTK		
94.8	MAI	PZD	GEF	OTK	SZW	
100.8	GEF	PZD	OTK	SZW	TAY	
102.5	GEF	PZD	OTK	TAY	MGR	
115.8	GEF	PZD	OTK	TAY	SZW	

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

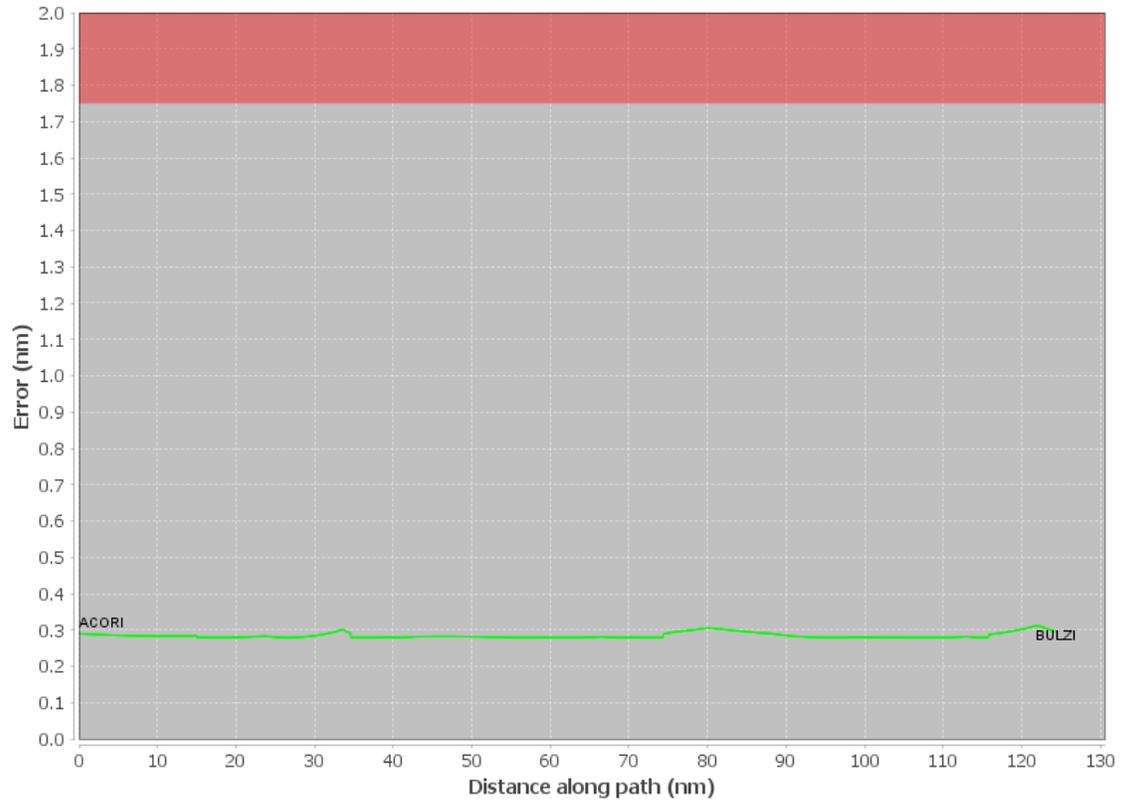
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ACORI	BULZI	OZR, OTK, LGC, GEF, TAY, SZW, RRS, MGM, CEW, MAI, EUF, MGR, PZD	

DME DME Assessment Results for FROGZ5 path ACORI_BULZI

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path ACORI_BULZI

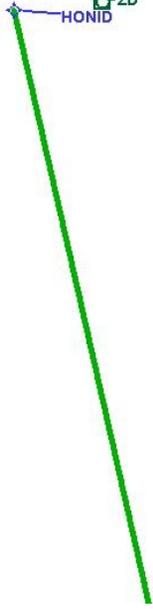
DME Error



DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 3

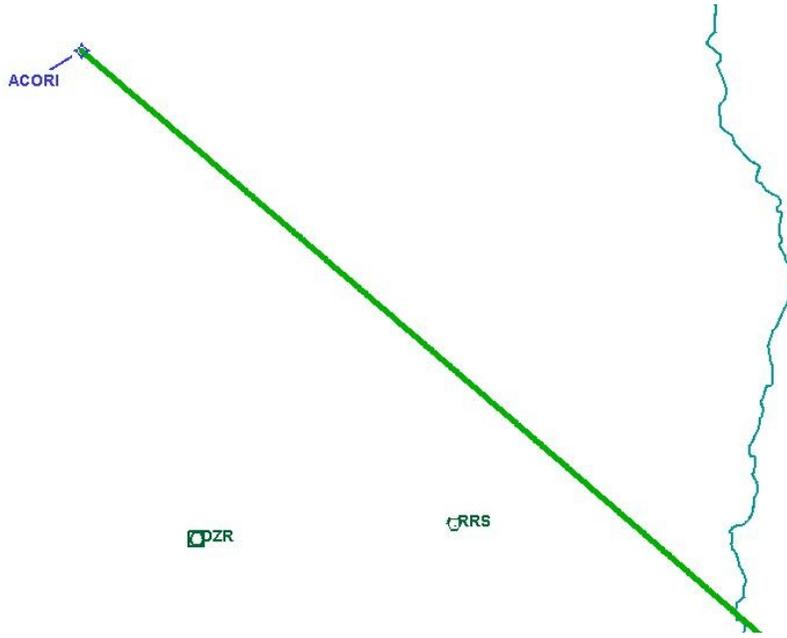
CPZD
HONID



MGR

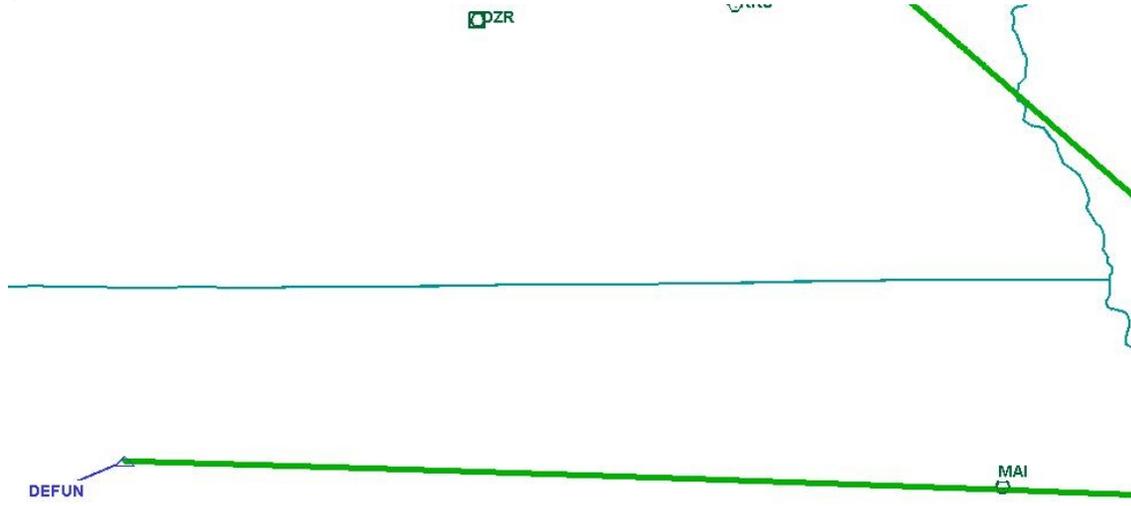
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 4



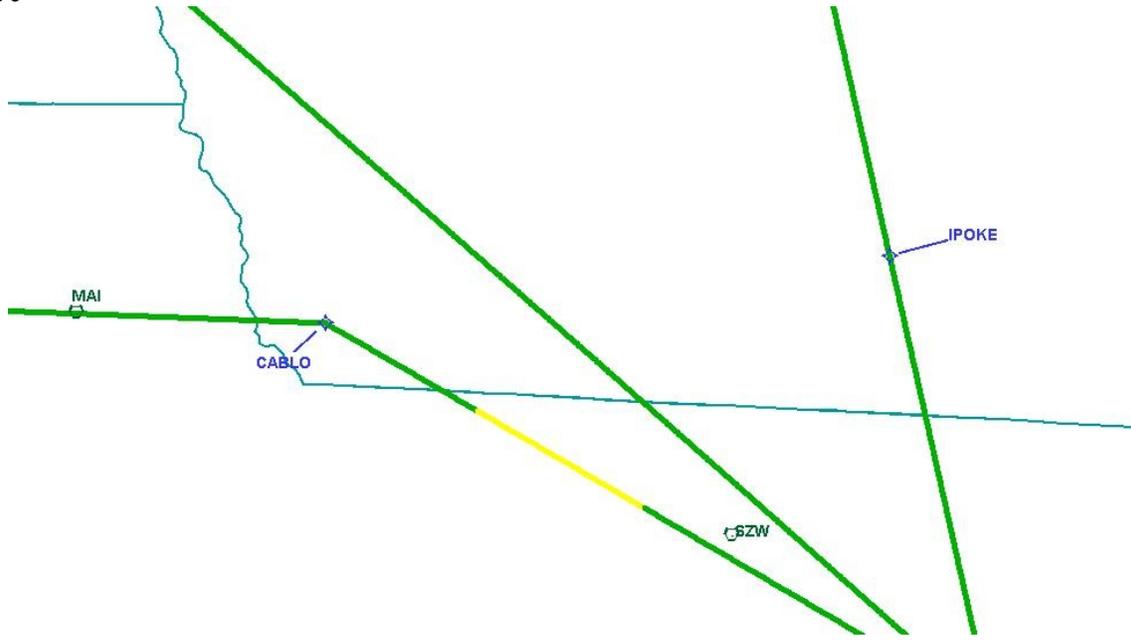
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 5



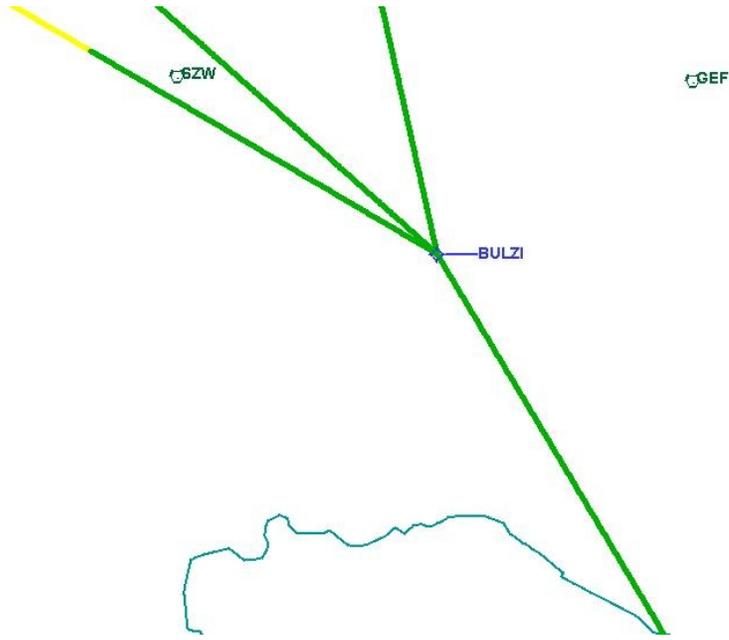
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 6



DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 7



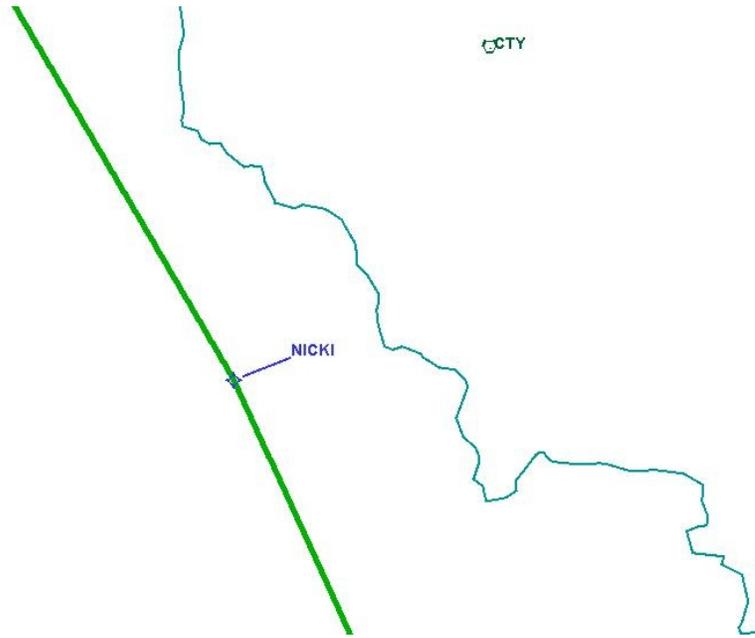
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 8



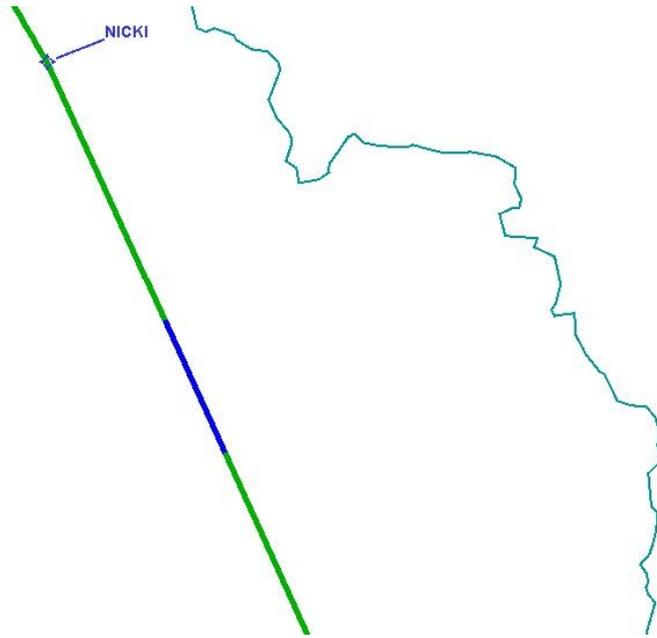
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 9



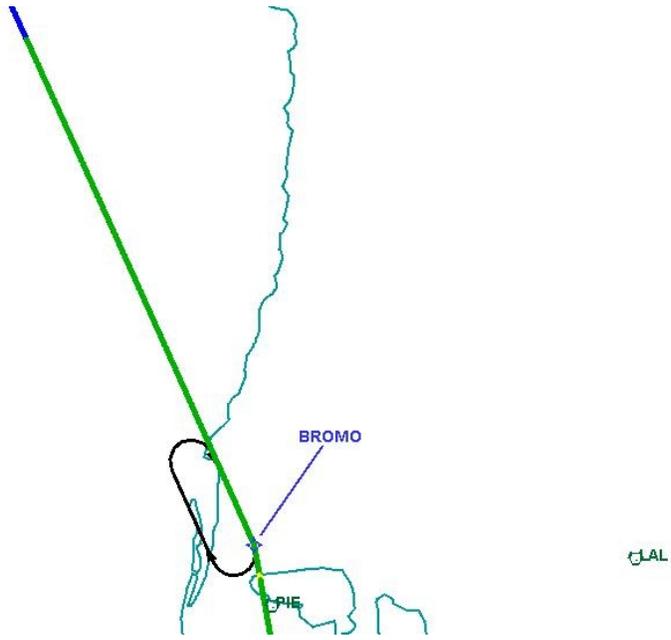
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 10



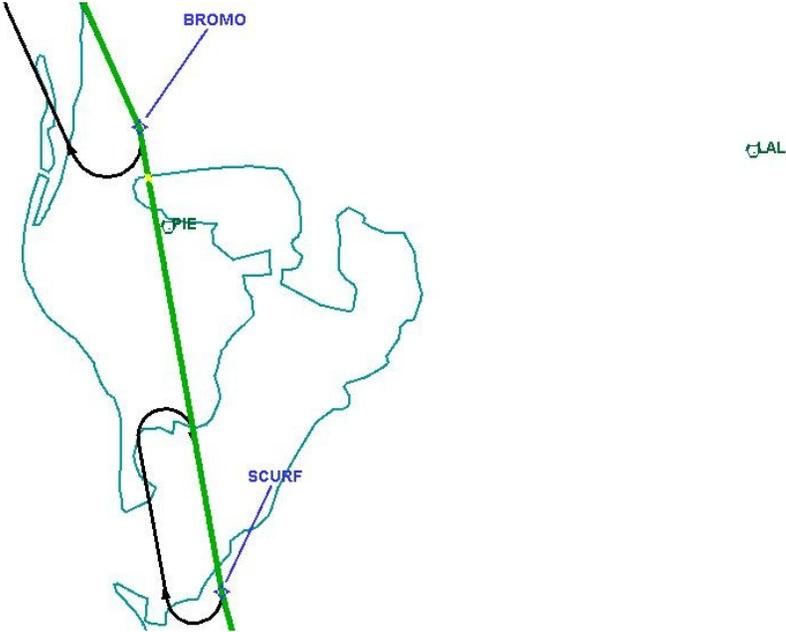
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 11



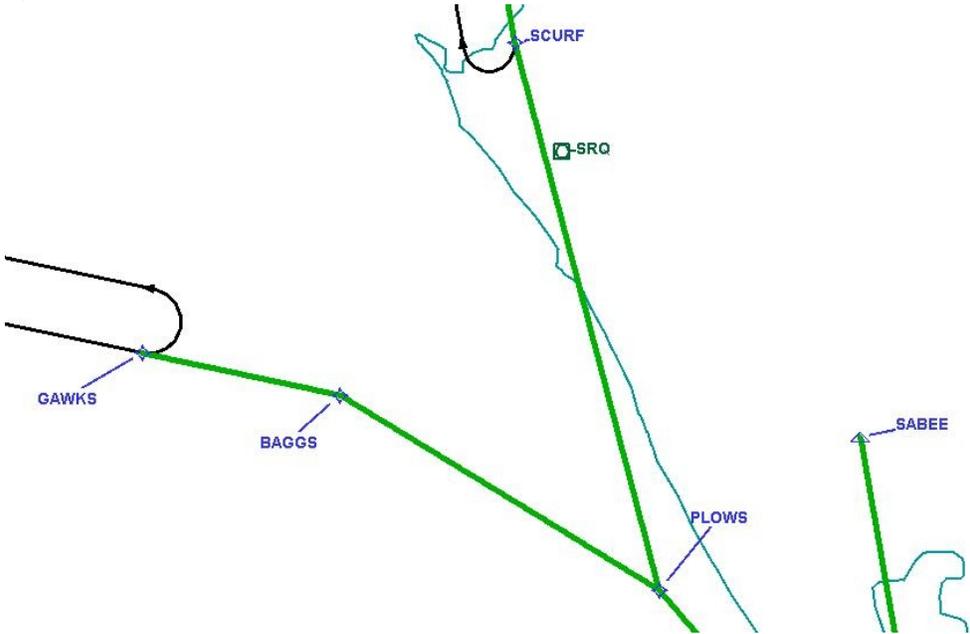
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 12



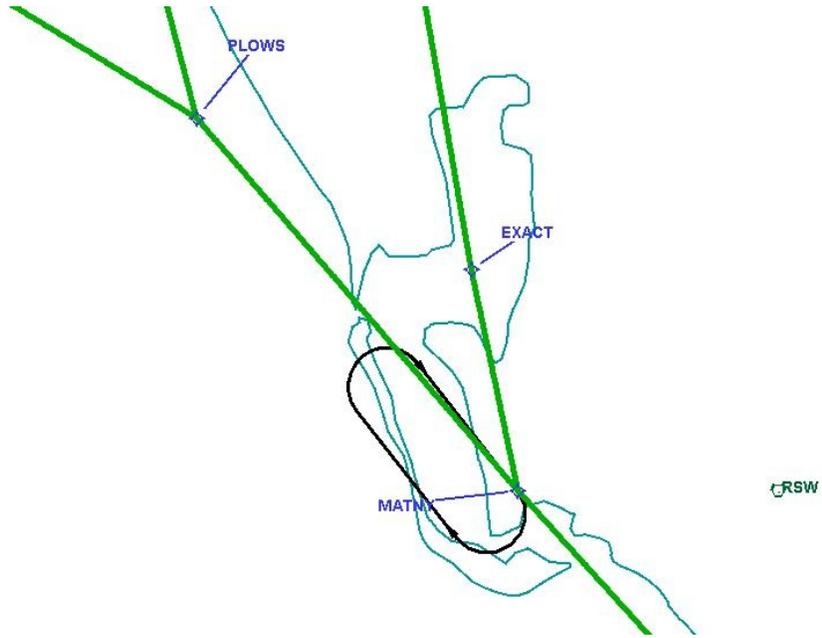
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 13



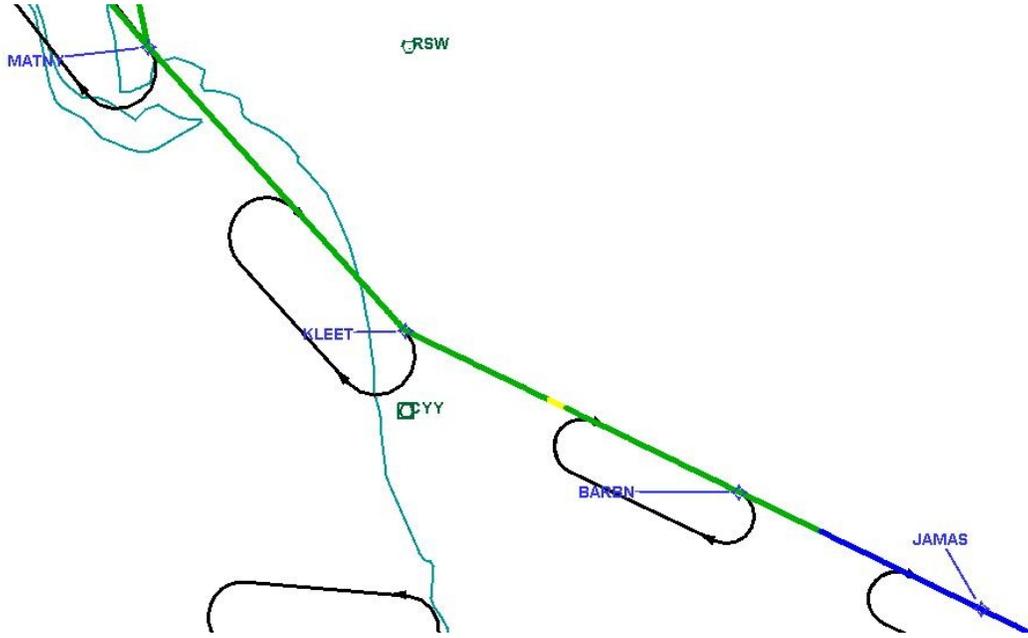
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 14



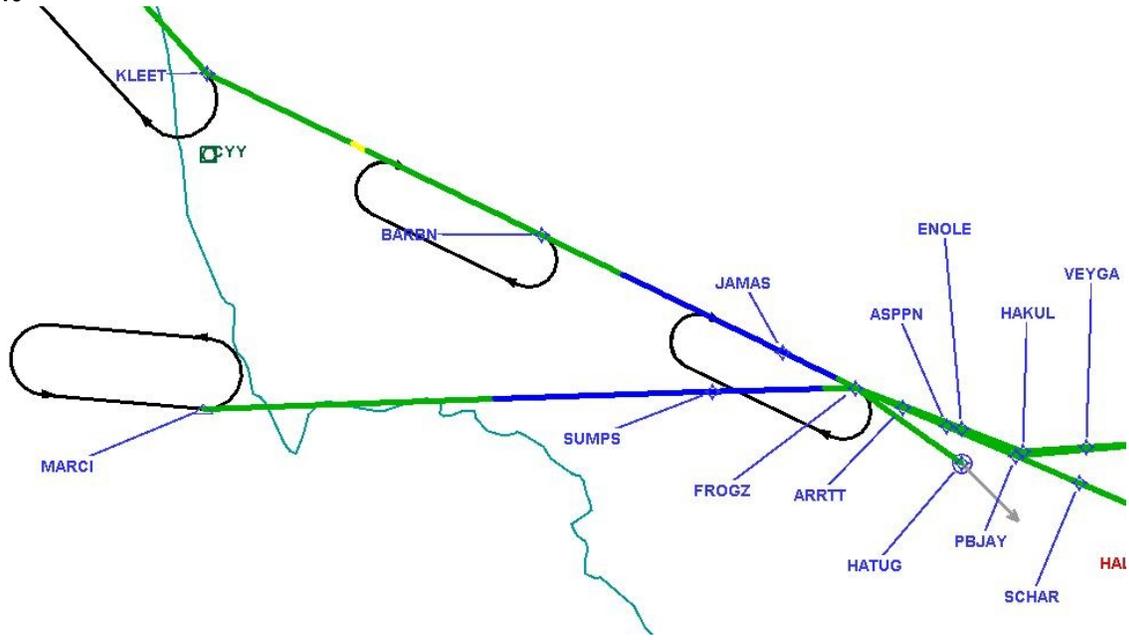
DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 15



DME DME Assessment Results for FROGZ5 path ACORI_BULZI

Graphic Depiction 16



DME DME Assessment Results for FROGZ5 path BULZI_DEFUN

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\BULZI_DEFUN\KMIA FROGZ5 RNAV STAR BULZI DEFUN 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
BULZI	WP	N30° 22' 24.930000000", W084° 04' 34.470000000"	18000	VNAV	280	FLY_BY	TF
CABLO	WP	N30° 46' 29.000000000", W084° 50' 24.000000000"	18000	VNAV	280	FLY_BY	TF
DEFUN	WP	N30° 48' 51.270000000", W086° 07' 53.090000000"	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 FROGZ5 path BULZI_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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path BULZI_DEFUN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SZW	N30° 33' 22.417900000", W084° 22' 26.191600000"	2.0 E	130	H		NO	Enabled	94 %	94 %
2	RRS	N31° 17' 04.514400000", W085° 25' 52.354900000"	2.0 E	40	L		NO	Enabled	38.9 %	38.9 %
3	MGM	N32° 13' 20.213800000", W086° 19' 11.017500000"	3.0 E	130	H		NO	Enabled	31.1 %	31.1 %
4	MAI	N30° 47' 10.304700000", W085° 07' 28.080800000"	0.0 E	40	L		NO	Enabled	59.1 %	59.1 %
5	CEW	N30° 49' 34.225500000", W086° 40' 44.915800000"	3.0 E	130	H		NO	Enabled	62.3 %	62.3 %
6	OZR	N31° 16' 08.215000000", W085° 43' 34.725000000"	3.0 W	40	L		NO	Enabled	39.1 %	39 %
7	OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	H		NO	Enabled	58.1 %	58.1 %
8	GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	L		NO	Enabled	25.5 %	25.5 %
9	MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	L		NO	Enabled	11.6 %	11.6 %
10	PZD	N31° 39' 18.741000000", W084° 17' 35.161700000"	2.0 W	130	DH		NO	Enabled	100 %	100 %
11	TAY	N30° 30' 16.696000000", W082° 33' 10.452000000"	3.0 W	130	H		NO	Enabled	20.4 %	20.4 %
12	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
13	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
14	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
15	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
16	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
17	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
18	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ5 path BULZI_DEFUN

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GEF	SZW	OTK	TAY	PZD	
16.2	GEF	PZD	OTK	TAY	MGR	
22.6	GEF	PZD	MAI	OTK	MGR	
24.2	GEF	PZD	SZW	MAI	OTK	TAY
24.9	GEF	PZD	SZW	MAI	OTK	
28.9	MAI	PZD	SZW	OTK		
42.6	SZW	PZD	MAI	OTK	CEW	
53.3	SZW	PZD	CEW	OTK		
55.9	SZW	PZD	RRS	CEW	OTK	
65.7	SZW	PZD	RRS	CEW		
66.5	RRS	MAI	CEW	SZW	PZD	
100.0	MAI	OZR	CEW	SZW	MGM	PZD
100.9	CEW	OZR	SZW	MGM	PZD	

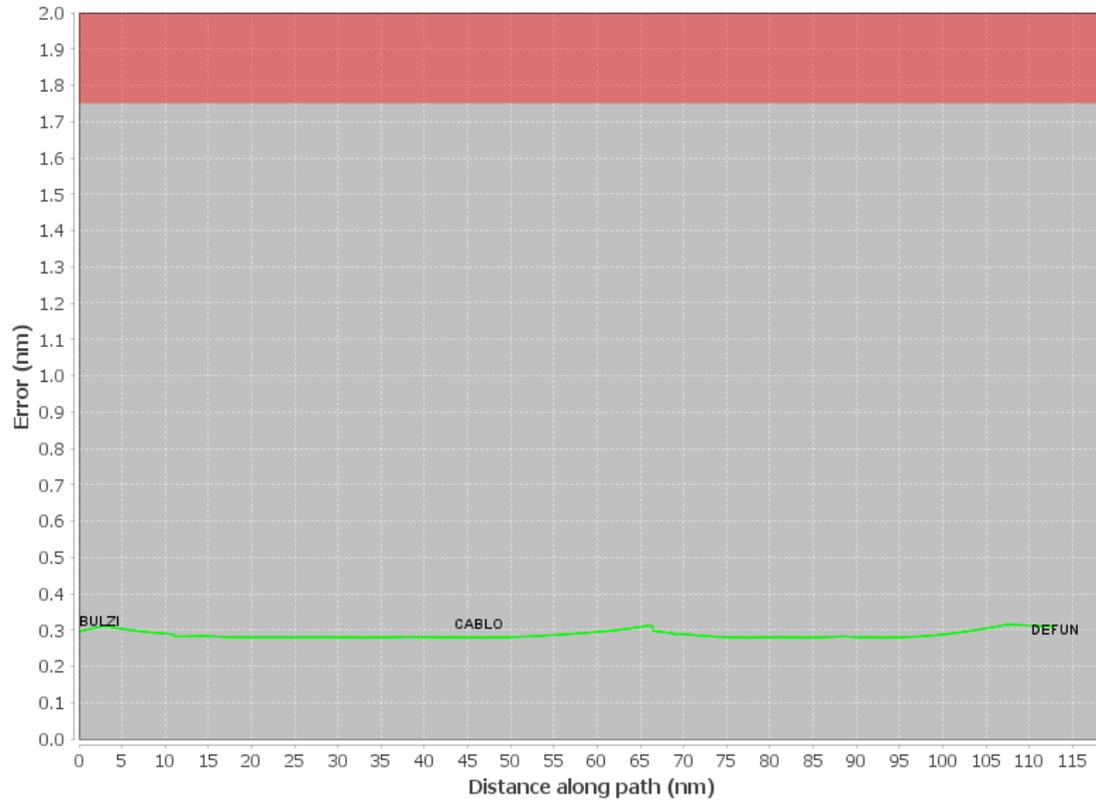
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BULZI	CABLO	SZW, MAI, CEW, OTK, GEF, MGR, PZD, TAY	
CABLO	DEFUN	SZW, RRS, MGM, CEW, MAI, OZR, OTK, PZD	

User Data Files								
#	File Name							
	None							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
	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 14600.0 ft			
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
	ESV:	Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°			Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft			
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
	ESV:	Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°			Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft			
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
	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			
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
	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			

DME DME Assessment Results for FROGZ5 path BULZI_DEFUN

DME Error



DME DME Assessment Results for FROGZ5 path BULZI_HONID

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\BULZI_HONID\KMIA FROGZ5 RNAV STAR BULZI HONID 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
BULZI	WP	N30° 22' 24.930000000", W084° 04' 34.470000000"	18000	VNAV	280	FLY_BY	TF
IPOKE	WP	N30° 50' 38.050000000", W084° 11' 34.840000000"	18000	VNAV	280	FLY_BY	TF
HONID	WP	N31° 38' 50.310000000", W084° 23' 42.600000000"	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 FROGZ5 path BULZI_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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path BULZI_HONID

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SZW	N30° 33' 22.417900000", W084° 22' 26.191600000"	2.0 E	130	H		NO	Enabled	100 %	100 %
2	OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	H		NO	Enabled	100 %	100 %
3	GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	L		NO	Enabled	52.8 %	52.8 %
4	MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	L		NO	Enabled	77.6 %	77.6 %
5	MCN	N32° 41' 28.266400000", W083° 38' 49.860100000"	0.0 E	130	H		NO	Enabled	39.2 %	39.2 %
6	LGC	N33° 02' 56.827600000", W085° 12' 22.397200000"	1.0 E	130	H		NO	Enabled	7.1 %	7.1 %
7	PZD	N31° 39' 18.741000000", W084° 17' 35.161700000"	2.0 W	130	DH		NO	Enabled	95.6 %	95.6 %
8	AMG	N31° 32' 11.598000000", W082° 30' 29.119700000"	0.0 E	130	H		NO	Enabled	61.1 %	61.1 %
9	TAY	N30° 30' 16.696000000", W082° 33' 10.452000000"	3.0 W	130	H		NO	Enabled	61.2 %	61.2 %
10	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
11	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
12	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
13	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
14	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
15	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
16	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ5 path BULZI_HONID

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GEF	SZW	OTK	TAY	PZD	
41.2	MGR	PZD	OTK	SZW	TAY	AMG
47.8	SZW	MGR	PZD	OTK	AMG	MCN
68.5	OTK	PZD	MCN	AMG	SZW	
74.7	OTK	MCN	AMG	SZW	LGC	
75.9	OTK	MCN	SZW	LGC		

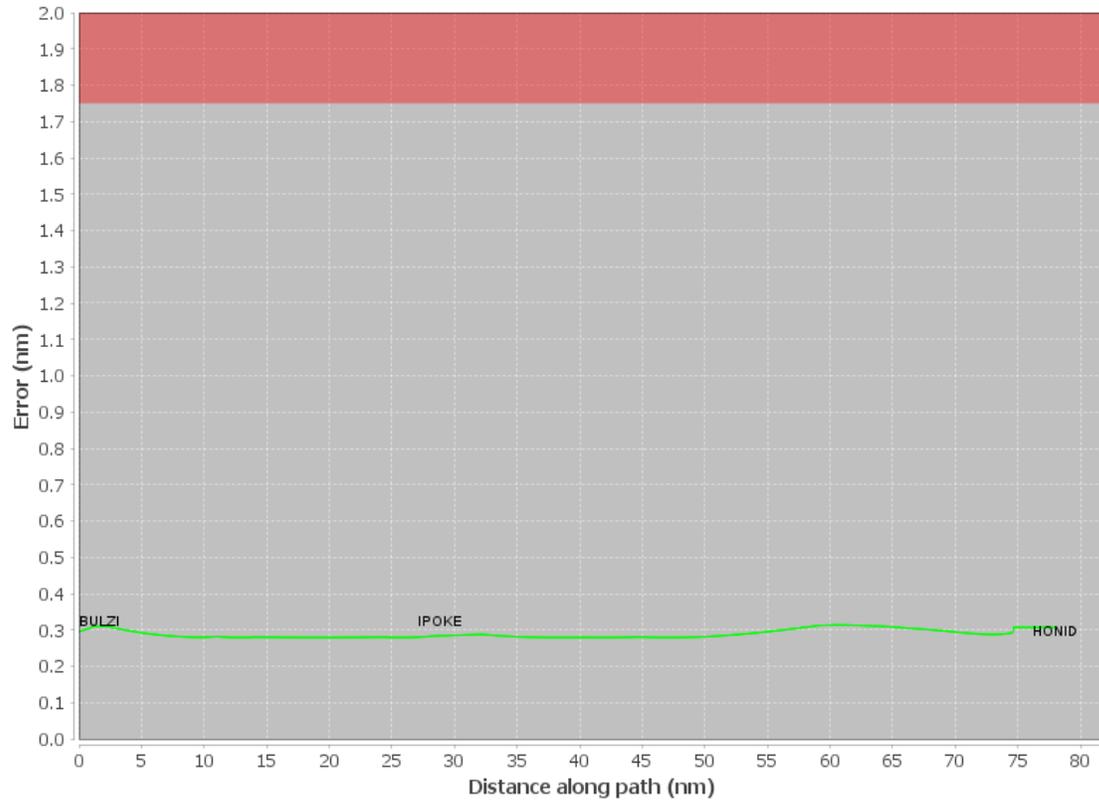
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BULZI	IPOKE	SZW, OTK, GEF, MGR, PZD, AMG, TAY	
IPOKE	HONID	SZW, OTK, GEF, MGR, MCN, LGC, PZD, AMG, TAY	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft			
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°			Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft			
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°			Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft			
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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			
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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			

DME DME Assessment Results for FROGZ5 path BULZI_HONID

DME Error



DME DME Assessment Results for FROGZ5 path KLEET_ACORI

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMA\KMA FROGZ5 (RNAV) STAR\KMA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMA\KMA FROGZ5 (RNAV) STAR\DME\KMA [IFPA] FROGZ5 20250106_1229 EST\KLEET_ACORI\KMA FROGZ5 RNAV STAR KLEET ACORI 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KLEET	WP	N26° 14' 13.770000000", W081° 46' 46.790000000"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.040000000", W082° 04' 27.610000000"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.450000000", W082° 26' 33.320000000"	18000	VNAV	280	FLY_BY	TF
SCURF	WP	N27° 31' 52.170000000", W082° 37' 22.510000000"	18000	VNAV	280	FLY_BY	TF
BROMO	WP	N28° 00' 38.280000000", W082° 43' 02.490000000"	18000	VNAV	280	FLY_BY	TF
NICKI	WP	N29° 15' 20.190000000", W083° 20' 31.800000000"	18000	VNAV	280	FLY_BY	TF
SNAPY	WP	N29° 48' 51.170000000", W083° 42' 23.610000000"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.930000000", W084° 04' 34.470000000"	18000	VNAV	280	FLY_BY	TF
ACORI	WP	N31° 46' 23.360000000", W085° 51' 29.510000000"	18000	VNAV	280	FLY_BY	TF

DME DME Assessment Results for FROGZ5 path KLEET_ACORI

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	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path KLEET_ACORI

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MLB	N28° 06' 19.120000000", W080° 38' 06.460000000"	7.0 W	130	DH		NO	Enabled	37.4 %	37.5 %
2	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	9.9 %	9.9 %
3	OZR	N31° 16' 08.215000000", W085° 43' 34.725000000"	3.0 W	40	L		NO	Enabled	9.8 %	9.8 %
4	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	3.2 %	3.2 %
5	OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	H		NO	Enabled	38.9 %	38.9 %
6	ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	H		NO	Enabled	23.4 %	23.4 %
7	CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	L		NO	Enabled	14 %	14.1 %
8	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	4.6 %	4.6 %
9	TAY	N30° 30' 16.696000000", W082° 33' 10.452000000"	3.0 W	130	H		NO	Enabled	29.6 %	29.6 %
10	SZW	N30° 33' 22.417900000", W084° 22' 26.191600000"	2.0 E	130	H		NO	Enabled	48 %	48 %
11	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	14.9 %	14.9 %
12	RRS	N31° 17' 04.514400000", W085° 25' 52.354900000"	2.0 E	40	L		NO	Enabled	18.4 %	18.4 %
13	SRQ	N27° 24' 25.255800000", W082° 33' 49.184700000"	5.0 W	130	DH		NO	Enabled	48.9 %	49 %
14	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	0.9 %	0.9 %
15	EUF	N31° 57' 00.902800000", W085° 07' 49.726200000"	2.0 E	40	L		NO	Enabled	5.2 %	5.2 %
16	GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	L		NO	Enabled	15 %	15 %
17	LGC	N33° 02' 56.827600000", W085° 12' 22.397200000"	1.0 E	130	H		NO	Enabled	7.2 %	7.1 %
18	PIE	N27° 54' 27.951800000", W082° 41' 03.513100000"	5.0 W	130	H		NO	Enabled	45.5 %	45.5 %

DME DME Assessment Results for FROGZ5 path KLEET_ACORI

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
19	MGM	N32° 13' 20.213800000", W086° 19' 11.017500000"	3.0 E	130	H		NO	Enabled	15.9 %	15.8 %
20	MAI	N30° 47' 10.304700000", W085° 07' 28.080800000"	0.0 E	40	L		NO	Enabled	16.4 %	16.3 %
21	CEW	N30° 49' 34.225500000", W086° 40' 44.915800000"	3.0 E	130	H		NO	Enabled	18.2 %	18.1 %
22	LAL	N27° 59' 10.309800000", W082° 00' 50.055700000"	1.0 E	130	H		NO	Enabled	43.6 %	43.6 %
23	RSW	N26° 31' 47.592100000", W081° 46' 32.766600000"	2.0 W	130	H		NO	Enabled	29.1 %	29.2 %
24	MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	L		NO	Enabled	3.4 %	3.4 %
25	PZD	N31° 39' 18.741000000", W084° 17' 35.161700000"	2.0 W	130	DH		NO	Enabled	44 %	43.9 %
26	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
27	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
28	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
29	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
30	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
31	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
32	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ5 path KLEET_ACORI

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	SRQ	RSW	FLL	DHP	VKZ
13.1	RSW	SRQ	PHK	LAL	DHP	VKZ
18.8	RSW	SRQ	PHK	PIE	LAL	VKZ
40.0	RSW	LAL	PHK	SRQ	PIE	MLB
60.2	RSW	LAL	MLB	PIE	SRQ	
79.9	RSW	LAL	MLB	PIE		
81.6	RSW	LAL	ORL	MLB	PIE	
109.0	SRQ	LAL	ORL	RSW	MLB	
117.5	SRQ	LAL	ORL	MLB		
117.8	SRQ	LAL	PIE	ORL	RSW	MLB
118.2	SRQ	LAL	ORL	MLB	PIE	
156.1	ORL	SRQ	PIE	LAL		
174.3	ORL	PIE	SRQ			
176.3						
185.2	TAY	LAL	PIE	SRQ		
185.4	CTY	LAL	TAY	PIE	SRQ	
197.6	CTY	PIE	TAY	SRQ		
198.1	CTY	SZW	PIE	TAY	SRQ	OTK
213.9	CTY	SZW	PIE	TAY	OTK	
214.3	CTY	SZW	TAY	OTK		
226.4	OTK	CTY	TAY	SZW	PZD	
242.2	TAY	SZW	OTK	PZD		
248.5	TAY	SZW	OTK	GEF	PZD	
295.5	GEF	PZD	OTK	TAY	MGR	
302.1	OTK	SZW	GEF	PZD	TAY	
304.9	GEF	PZD	MAI	OTK	SZW	
309.4	MAI	PZD	OTK	SZW		
329.8	RRS	PZD	MAI	SZW	OTK	
353.2	MAI	OZR	SZW	PZD	RRS	CEW
369.5	RRS	SZW	MGM	OZR	CEW	EUF
377.4	RRS	PZD	EUF	MGM	CEW	SZW
389.2	CEW	MGM	RRS	PZD	SZW	LGC
398.4	CEW	MGM	RRS	LGC	PZD	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 51' 07.367052014", W083° 08' 16.218553091"	N28° 59' 18.897933823", W083° 12' 24.378022085"	8.941

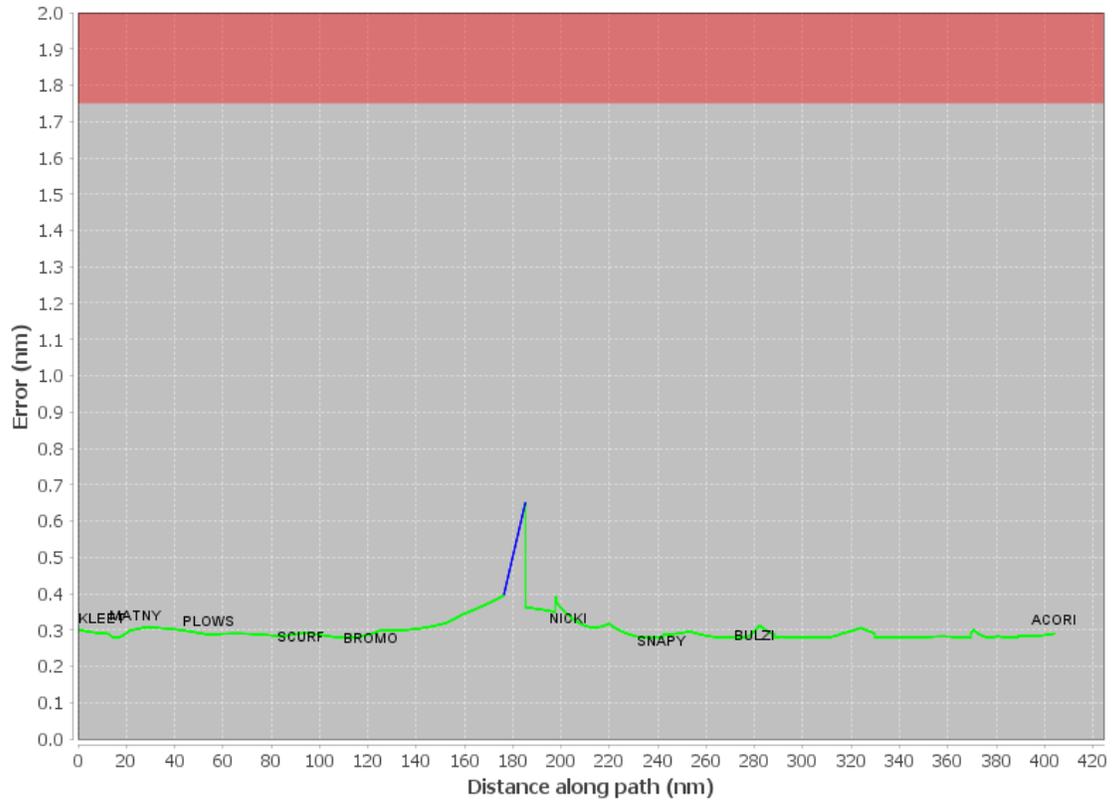
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KLEET	MATNY	PHK, MLB, SRQ, VKZ, PBI, LAL, RSW, FLL, DHP, PIE	
MATNY	PLOWS	MLB, PHK, SRQ, VKZ, LAL, RSW, PIE	
PLOWS	SCURF	MLB, PHK, SRQ, LAL, RSW, ORL, PIE	
SCURF	BROMO	MLB, SRQ, LAL, RSW, ORL, PIE	
BROMO	NICKI	SZW,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

DME DME Assessment Results for FROGZ5 path KLEET_ACORI

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path KLEET_ACORI

DME Error



DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\KZIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\DME\KZIA [IFPA] FROGZ5 20250106_1229 EST\DEFUN_OLDDE\KZIA FROGZ5 RNAV STAR DEFUN OLDDE 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DEFUN	WP	N30° 48' 51.270000000", W086° 07' 53.090000000"	18000	VNAV	280	FLY_BY	TF
CABLO	WP	N30° 46' 29.000000000", W084° 50' 24.000000000"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.930000000", W084° 04' 34.470000000"	18000	VNAV	280	FLY_BY	TF
SNAPY	WP	N29° 48' 51.170000000", W083° 42' 23.610000000"	18000	VNAV	280	FLY_BY	TF
NICKI	WP	N29° 15' 20.190000000", W083° 20' 31.800000000"	18000	VNAV	280	FLY_BY	TF
BROMO	WP	N28° 00' 38.280000000", W082° 43' 02.490000000"	18000	VNAV	280	FLY_BY	TF
SCURF	WP	N27° 31' 52.170000000", W082° 37' 22.510000000"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.450000000", W082° 26' 33.320000000"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.040000000", W082° 04' 27.610000000"	18000	VNAV	280	FLY_BY	TF
KLEET	WP	N26° 14' 13.770000000", W081° 46' 46.790000000"	18000	VNAV	280	FLY_BY	TF
BARBN	WP	N26° 04' 13.490000000", W081° 23' 48.810000000"	12000	VNAV	280	FLY_BY	TF
JAMAS	WP	N25° 56' 58.690000000", W081° 07' 12.650000000"	9000	VNAV	280	FLY_BY	TF
FROGZ	WP	N25° 54' 47.440000000", W081° 02' 13.200000000"	9000	VNAV	280	FLY_BY	TF
ENOLE	WP	N25° 52' 16.910000000", W080° 54' 54.030000000"	9000	VNAV	280	FLY_BY	TF
HAKUL	WP	N25° 50' 50.650000000", W080° 50' 45.440000000"	9000	VNAV	280	FLY_BY	TF
VEYGA	WP	N25° 51' 06.530000000", W080° 46' 19.200000000"	9000	VNAV	250	FLY_BY	TF
SOFAS	WP	N25° 51' 31.860000000", W080° 39' 17.680000000"	9000	VNAV	250	FLY_BY	TF
HOLEZ	WP	N25° 51' 41.120000000", W080° 36' 33.690000000"	9000	VNAV	250	FLY_BY	TF

DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DEFUN	WP	N30° 48' 51.270000000", W086° 07' 53.090000000"	18000	VNAV	280	FLY_BY	TF
COTOL	WP	N25° 50' 19.360000000", W080° 33' 45.280000000"	9000	VNAV	250	FLY_BY	TF
MACYS	WP	N25° 44' 47.730000000", W080° 22' 22.800000000"	8000	VNAV	250	FLY_BY	TF
REELN	WP	N25° 42' 11.360000000", W080° 17' 11.850000000"	6000	VNAV	250	FLY_BY	TF
OLDDE	WP	N25° 42' 44.600000000", W080° 07' 57.593000000"	6000	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	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MLB	N28° 06' 19.120000000", W080° 38' 06.460000000"	7.0 W	130	DH		NO	Enabled	30.8 %	31.2 %
2	CYY	N26° 09' 12.338900000", W081° 46' 41.171500000"	3.0 W	25	T		NO	Enabled	2.8 %	2.8 %
3	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	23.8 %	23.3 %
4	OZR	N31° 16' 08.215000000", W085° 43' 34.725000000"	3.0 W	40	L		NO	Enabled	8.9 %	9 %
5	OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	H		NO	Enabled	30.3 %	30.5 %
6	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	13.1 %	12.3 %
7	ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	H		NO	Enabled	19.1 %	19.4 %
8	GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	L		NO	Enabled	12.2 %	12.3 %
9	CTY	N29° 35' 56.402500000", W083° 02' 55.651200000"	2.0 W	40	L		NO	Enabled	11.5 %	11.6 %
10	TAY	N30° 30' 16.696000000", W082° 33' 10.452000000"	3.0 W	130	H		NO	Enabled	23.8 %	24.1 %
11	PIE	N27° 54' 27.951800000", W082° 41' 03.513100000"	5.0 W	130	H		NO	Enabled	37.2 %	37.6 %
12	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	14.9 %	14.3 %
13	SZW	N30° 33' 22.417900000", W084° 22' 26.191600000"	2.0 E	130	H		NO	Enabled	38.1 %	38.4 %
14	MGM	N32° 13' 20.213800000", W086° 19' 11.017500000"	3.0 E	130	H		NO	Enabled	7.1 %	7.2 %
15	RRS	N31° 17' 04.514400000", W085° 25' 52.354900000"	2.0 E	40	L		NO	Enabled	8.9 %	9 %
16	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	18 %	18 %
17	SRQ	N27° 24' 25.255800000", W082° 33' 49.184700000"	5.0 W	130	DH		NO	Enabled	45.8 %	46.2 %
18	CEW	N30° 49' 34.225500000", W086° 40' 44.915800000"	3.0 E	130	H		NO	Enabled	14.3 %	14.3 %

DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
19	MAI	N30° 47' 10.304700000", W085° 07' 28.080800000"	0.0 E	40	L		NO	Enabled	13.5 %	13.6 %
20	LAL	N27° 59' 10.309800000", W082° 00' 50.055700000"	1.0 E	130	H		NO	Enabled	35.7 %	36 %
21	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	11.1 %	10.6 %
22	RSW	N26° 31' 47.592100000", W081° 46' 32.766600000"	2.0 W	130	H		NO	Enabled	29.3 %	29.6 %
23	MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	L		NO	Enabled	2.7 %	2.7 %
24	PZD	N31° 39' 18.741000000", W084° 17' 35.161700000"	2.0 W	130	DH		NO	Enabled	33.7 %	34 %
25	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
26	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
27	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
28	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
29	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
30	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
31	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CEW	MGM	OZR	SZW	PZD	
35.2	RRS	MAI	CEW	SZW	OZR	PZD
44.2	RRS	MAI	CEW	SZW	PZD	
46.6	RRS	CEW	SZW	PZD		
47.4	SZW	PZD	RRS	CEW	OTK	
57.2	SZW	PZD	CEW	OTK		
59.9	SZW	PZD	MAI	CEW	OTK	
70.5	SZW	PZD	MAI	OTK		
84.2	GEF	PZD	MAI	SZW	OTK	
90.3	GEF	PZD	MAI	OTK	MGR	
92.4	GEF	PZD	OTK	TAY	MGR	
102.1	GEF	PZD	OTK	TAY	SZW	
144.4	TAY	SZW	OTK	PZD		
150.7	OTK	CTY	TAY	SZW	PZD	
166.6	OTK	CTY	TAY	SZW		
178.7	CTY	SZW	PIE	TAY	OTK	
194.8	CTY	PIE	TAY	SRQ		
195.4	CTY	LAL	TAY	PIE	SRQ	OTK
197.6	CTY	LAL	TAY	PIE	SRQ	
207.6	TAY	LAL	PIE	SRQ		
207.7						
216.7	ORL	PIE	SRQ			
218.6	ORL	PIE	SRQ	LAL		
236.9	ORL	SRQ	PIE	MLB	LAL	
275.1	SRQ	LAL	ORL	MLB		
275.4	SRQ	LAL	ORL	RSW	MLB	
306.1	RSW	LAL	ORL	PIE	MLB	
311.3	RSW	LAL	MLB	PIE		
313.1	RSW	LAL	MLB	PIE	SRQ	
379.7	RSW	SRQ	PHK	LAL	DHP	VKZ
382.6	PHK	SRQ	RSW	DHP	VKZ	FLL
399.9	RSW	VKZ	SRQ			
402.8	RSW	VKZ	MLB	SRQ		
403.9	RSW	VKZ	SRQ			
404.9	CYY	RSW	SRQ	VKZ		
418.8	PHK	RSW	VKZ	SRQ		
420.2	PHK	VKZ	SRQ			
421.1	VKZ	SRQ				
421.3						
436.1	PBI	VKZ				
436.4	PBI	VKZ	DHP			
442.6	PHK	VKZ	DHP	PBI		
449.0	PHK	VKZ	DHP	FLL	PBI	
461.4	PBI	VKZ	DHP	FLL		
472.6	PBI	VKZ	FLL			
477.4	VKZ	FLL				
481.3	VKZ	FLL	DHP			
482.0	FLL	DHP				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 59' 14.624343482", W083° 12' 22.217308073"	N28° 51' 03.092270383", W083° 08' 14.063491884"	8.941
2	N26° 01' 49.446141688", W081° 18' 18.082347439"	N25° 55' 21.783583829", W081° 03' 31.499895982"	14.7779

DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DEFUN	CABLO	SZW, MGM, RRS, CEW, MAI, OZR, OTK, PZD	
CABLO	BULZI	SZW, CEW, MAI, OTK, GEF, MGR, PZD, TAY	
BULZI	SNAPY	SZW, OTK, GEF, CTY, PZD, TAY	
SNAPY	NICKI	SZW, SRQ, OTK, CTY, PZD, TAY, PIE	
NICKI	BROMO	SZW, MLB, SRQ, LAL, OTK, ORL, CTY, PIE, TAY	
BROMO	SCURF	MLB, SRQ, LAL, RSW, ORL, PIE	
SCURF	PLOWS	MLB, PHK, SRQ, LAL, RSW, ORL, PIE	
PLOWS	MATNY	MLB, PHK, SRQ, VKZ, LAL, RSW, PIE	
MATNY	KLEET	MLB, PHK, SRQ, VKZ, LAL, PBI, RSW, FLL, PIE, DHP	
KLEET	BARBN	PHK, MLB, CYY, SRQ, VKZ, PBI, RSW, FLL, DHP	
BARBN	JAMAS	CYY, PHK, SRQ, VKZ, RSW	
JAMAS	FROGZ	VKZ, PBI, DHP	
FROGZ	ENOLE	PHK, VKZ, PBI, DHP	
ENOLE	HAKUL	PHK, VKZ, PBI, DHP	
HAKUL	VEYGA	PHK, VKZ, PBI, FLL, DHP	
VEYGA	SOFAS	PHK, VKZ, PBI, FLL, DHP	
SOFAS	HOLEZ	PHK, VKZ, PBI, FLL, DHP	
HOLEZ	COTOL	VKZ, PBI, FLL, DHP	
COTOL	MACYS	VKZ, PBI, FLL, DHP	
MACYS	REELN	VKZ, PBI, FLL	
REELN	OLDDE	VKZ, FLL, DHP	

User Data Files

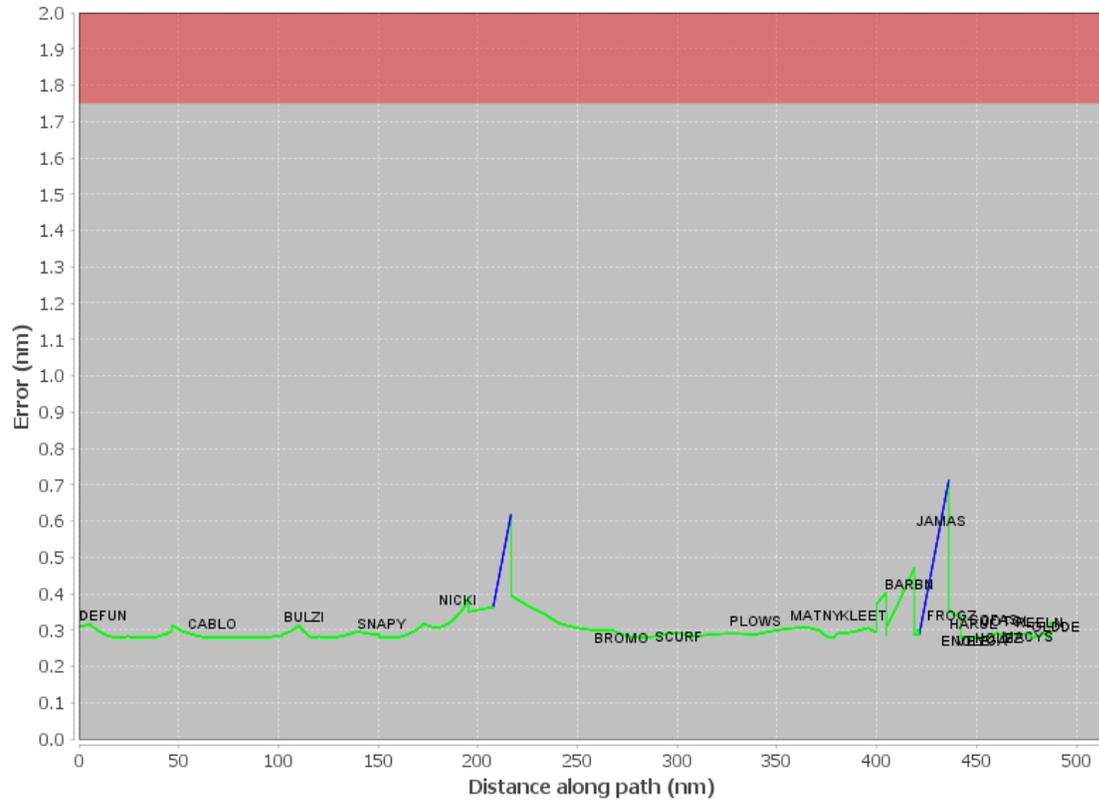
#	File Name
	None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
	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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
	ESV:	Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
	ESV:	Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
	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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
	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		

DME DME Assessment Results for FROGZ5 path DEFUN_OLDDE

DME Error



DME DME Assessment Results for FROGZ5 path DOWRY_PLOWS

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMLIA\KMLIA FROGZ5 (RNAV) STAR\KMLIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMLIA\KMLIA FROGZ5 (RNAV) STAR\DME\KMLIA [IFPA] FROGZ5 20250106_1229 EST\DOWRY_PLOWS\KMLIA FROGZ5 RNAV STAR DOWRY PLOWS 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings	
GNSS_ONLY	DOWRY_____CIGAR is GNSS Only and was not evaluated
GNSS_ONLY	CIGAR_____OCHHO is GNSS Only and was not evaluated
GNSS_ONLY	OCHHO_____GAWKS is GNSS Only and was not evaluated

Informational	
GNSS_ONLY	DOWRY_____CIGAR is GNSS Only and was not evaluated
GNSS_ONLY	CIGAR_____OCHHO is GNSS Only and was not evaluated
GNSS_ONLY	OCHHO_____GAWKS is GNSS Only and was not evaluated

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DOWRY	WP	N27° 33' 38.190000000", W085° 09' 52.660000000"	18000	VNAV	280	FLY_BY	TF
CIGAR	WP	N27° 29' 36.610000000", W084° 46' 59.510000000"	18000	VNAV	280	FLY_BY	TF
OCHHO	WP	N27° 25' 19.530000000", W084° 23' 03.040000000"	18000	VNAV	280	FLY_BY	TF
GAWKS	WP	N27° 10' 53.380000000", W083° 05' 15.170000000"	18000	VNAV	280	FLY_BY	TF
BAGGS	WP	N27° 08' 03.280000000", W082° 50' 27.200000000"	18000	VNAV	280	FLY_BY	TF
PLOWS	WP	N26° 54' 54.450000000", W082° 26' 33.320000000"	18000	VNAV	280	FLY_BY	TF

DME DME Assessment Results for FROGZ5 path DOWRY_PLOWS

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	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path DOWRY_PLOWS

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MLB	N28° 06' 19.120000000", W080° 38' 06.460000000"	7.0 W	130	DH		NO	Enabled	10.5 %	10.5 %
2	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	3 %	3 %
3	SRQ	N27° 24' 25.255800000", W082° 33' 49.184700000"	5.0 W	130	DH		NO	Enabled	25.4 %	25.4 %
4	LAL	N27° 59' 10.309800000", W082° 00' 50.055700000"	1.0 E	130	H		NO	Enabled	25.4 %	25.4 %
5	RSW	N26° 31' 47.592100000", W081° 46' 32.766600000"	2.0 W	130	H		NO	Enabled	25.4 %	25.4 %
6	PIE	N27° 54' 27.951800000", W082° 41' 03.513100000"	5.0 W	130	H		NO	Enabled	25.4 %	25.4 %
7	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
8	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
9	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
10	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
11	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
12	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
13	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

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

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

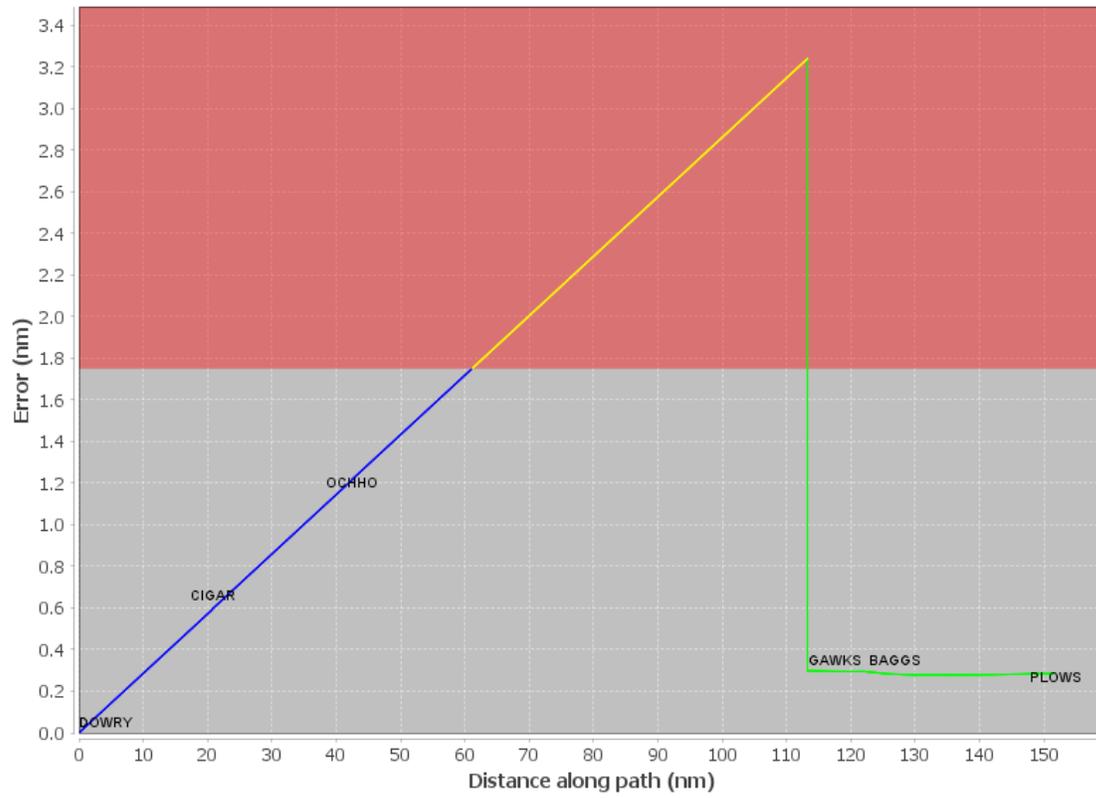
DME DME Assessment Results for FROGZ5 path DOWRY_PLOWS

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DOWRY	CIGAR		
CIGAR	OCHHO		
OCHHO	GAWKS		
GAWKS	BAGGS	SRQ, LAL, RSW, PIE	
BAGGS	PLOWS	MLB, PHK, SRQ, LAL, RSW, PIE	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path DOWRY_PLOWS

DME Error



DME DME Assessment Results for FROGZ5 path FROGZ_HATUG

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\FROGZ_HATUG\KMIA FROGZ5 RNAV STAR FROGZ HATUG 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
FROGZ	WP	N25° 54' 47.440000000", W081° 02' 13.200000000"	9000	VNAV	280	FLY_BY	TF
HATUG	WP	N25° 50' 06.590000000", W080° 54' 57.020000000"	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 FROGZ5 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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path FROGZ_HATUG

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	19.2 %	19.2 %
2	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	100 %	100 %
3	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	100 %	100 %
4	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	100 %	100 %
5	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
6	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
7	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
8	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
9	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
10	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
11	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

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

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

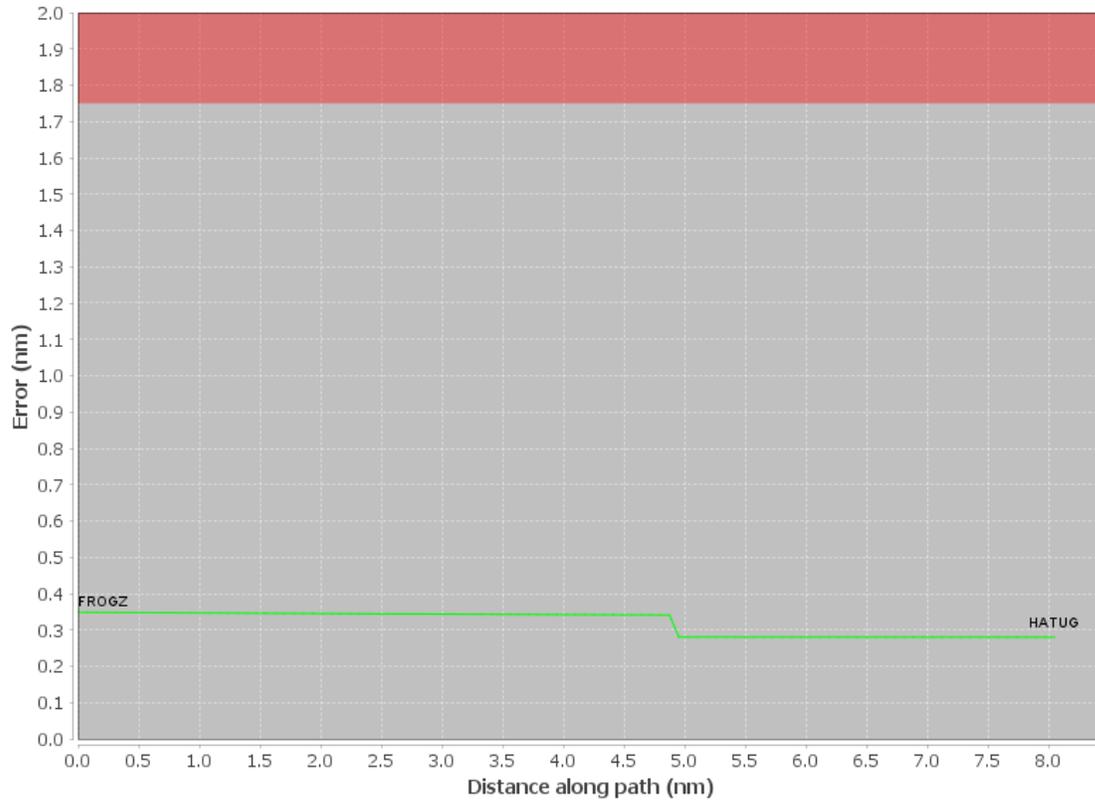
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FROGZ	HATUG	PHK, VKZ, PBI, DHP	

DME DME Assessment Results for FROGZ5 path FROGZ_HATUG

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft			
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°			Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft			
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°			Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft			
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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			
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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			

DME DME Assessment Results for FROGZ5 path FROGZ_HATUG

DME Error



DME DME Assessment Results for FROGZ5 path HOLEZ_GRANN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\KZIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\DME\KZIA [IFPA] FROGZ5 20250106_1229 EST\HOLEZ_GRANN\KZIA FROGZ5 RNAV STAR HOLEZ GRANN 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
HOLEZ	WP	N25° 51' 41.120000000", W080° 36' 33.690000000"	9000	VNAV	250	FLY_BY	TF
JIGGY	WP	N25° 51' 52.106909219", W080° 33' 48.355154252"	9000	VNAV	250	FLY_BY	TF
NCLUB	WP	N25° 52' 46.429126813", W080° 17' 26.148448111"	8000	VNAV	250	FLY_BY	TF
GRANN	WP	N25° 53' 35.228524297", W080° 00' 51.655986222"	8000	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 FROGZ5 path HOLEZ_GRANN

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path HOLEZ_GRANN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	0.9 %	0.9 %
2	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	94.2 %	94.2 %
3	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	43.9 %	43.9 %
4	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	91.9 %	91.9 %
5	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	81.6 %	81.6 %
6	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
7	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
8	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
9	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
10	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
11	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
12	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PBI	VKZ	DHP	PHK	FLL	
0.3	PBI	VKZ	DHP	FLL		
10.9	PBI	VKZ	FLL			
13.5						
15.3	VKZ	FLL	PBI			
16.1	VKZ	FLL				
16.8	VKZ	FLL	DHP			
21.9	VKZ	DHP				
22.6	VKZ	DHP	FLL			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 52' 32.644122479", W080° 21' 38.608512686"	N25° 52' 39.175875836", W080° 19' 39.265784044"	1.7973

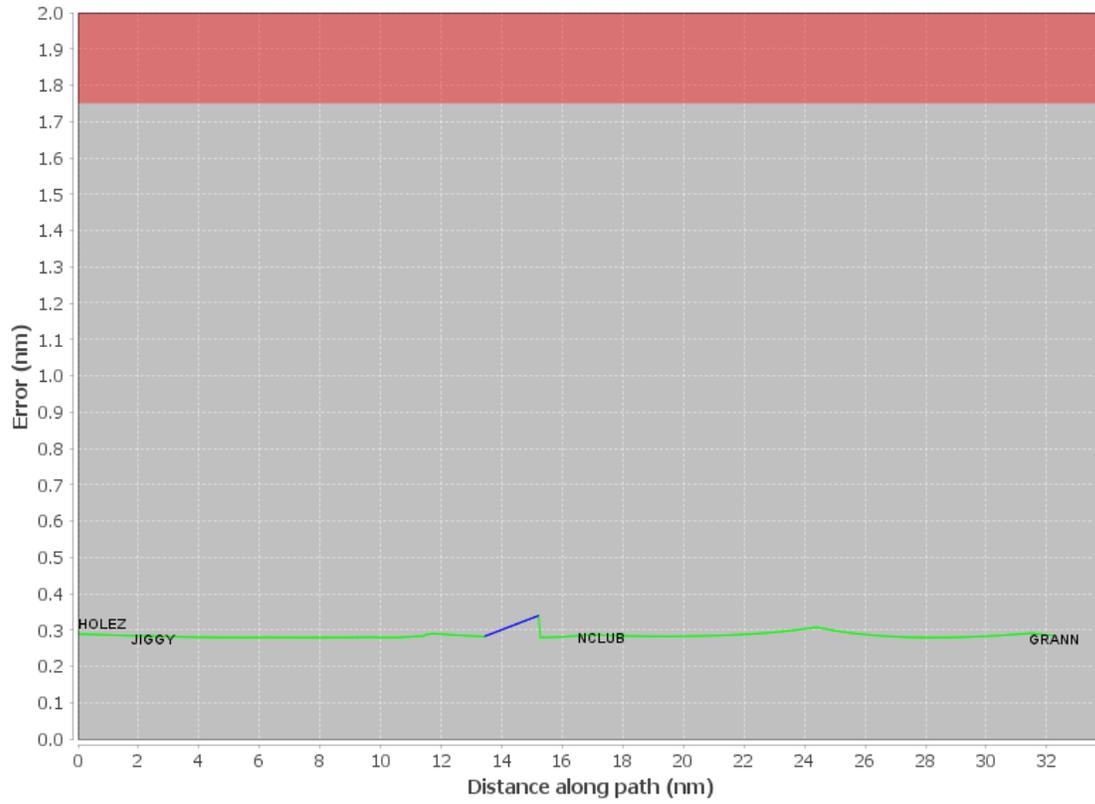
DME DME Assessment Results for FROGZ5 path HOLEZ_GRANN

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HOLEZ	JIGGY	PHK, VKZ, PBI, FLL, DHP	
JIGGY	NCLUB	VKZ, PBI, FLL, DHP	
NCLUB	GRANN	VKZ, FLL, DHP	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path HOLEZ_GRANN

DME Error



DME DME Assessment Results for FROGZ5 path HONID_BULZI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\KZIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\DME\KZIA [IFPA] FROGZ5 20250106_1229 EST\HONID_BULZI\KZIA FROGZ5 RNAV STAR HONID BULZI 20250106_1229_EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
HONID	WP	N31° 38' 50.310000000", W084° 23' 42.600000000"	18000	VNAV	280	FLY_BY	TF
IPOKE	WP	N30° 50' 38.050000000", W084° 11' 34.840000000"	18000	VNAV	280	FLY_BY	TF
BULZI	WP	N30° 22' 24.930000000", W084° 04' 34.470000000"	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 FROGZ5 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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path HONID_BULZI

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SZW	N30° 33' 22.417900000", W084° 22' 26.191600000"	2.0 E	130	H		NO	Enabled	100 %	100 %
2	OTK	N30° 46' 49.605700000", W083° 16' 47.017000000"	2.0 W	130	H		NO	Enabled	100 %	100 %
3	MCN	N32° 41' 28.266400000", W083° 38' 49.860100000"	0.0 E	130	H		NO	Enabled	39.2 %	39.2 %
4	LGC	N33° 02' 56.827600000", W085° 12' 22.397200000"	1.0 E	130	H		NO	Enabled	7.1 %	7.1 %
5	MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	L		NO	Enabled	77.6 %	77.6 %
6	GEF	N30° 33' 04.830000000", W083° 46' 59.278000000"	1.0 E	40	L		NO	Enabled	52.8 %	52.8 %
7	AMG	N31° 32' 11.598000000", W082° 30' 29.119700000"	0.0 E	130	H		NO	Enabled	61.1 %	61.1 %
8	PZD	N31° 39' 18.741000000", W084° 17' 35.161700000"	2.0 W	130	DH		NO	Enabled	95.6 %	95.6 %
9	TAY	N30° 30' 16.696000000", W082° 33' 10.452000000"	3.0 W	130	H		NO	Enabled	61.2 %	61.2 %
10	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
11	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
12	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
13	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
14	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
15	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
16	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ5 path HONID_BULZI

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OTK	MCN	LGC	SZW		
2.2	OTK	MCN	AMG	SZW	LGC	
5.6	OTK	PZD	MCN	AMG	SZW	
30.6	SZW	MGR	PZD	OTK	AMG	TAY
49.9	GEF	SZW	OTK	PZD	MGR	TAY
70.2	GEF	PZD	OTK	SZW	TAY	

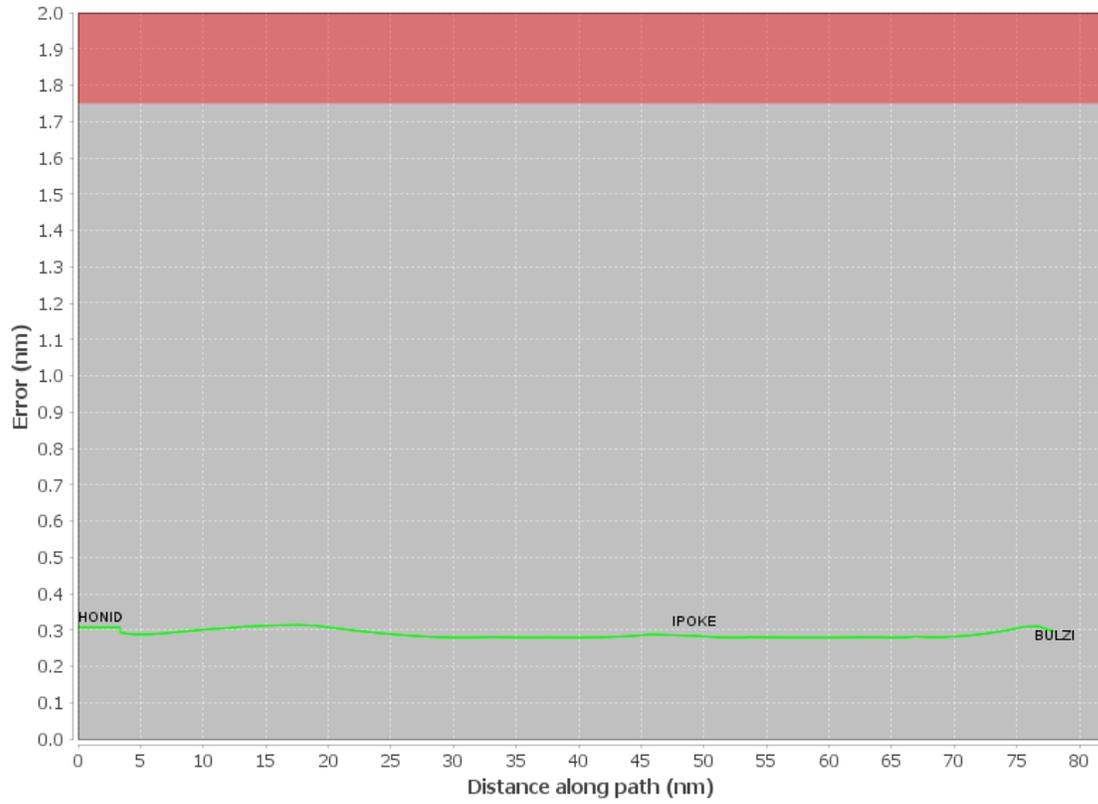
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HONID	IPOKE	SZW, OTK, MCN, LGC, MGR, GEF, AMG, PZD, TAY	
IPOKE	BULZI	SZW, OTK, GEF, MGR, PZD, AMG, TAY	

User Data Files								
#	File Name							
	None							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
	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 14600.0 ft			
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
	ESV:	Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°			Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft			
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
	ESV:	Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°			Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft			
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
	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			
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
	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			

DME DME Assessment Results for FROGZ5 path HONID_BULZI

DME Error



DME DME Assessment Results for FROGZ5 path MARCI_BOZZE

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\MARCI_BOZZE\KMIA FROGZ5 RNAV STAR MARCI BOZZE 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
MARCI	WP	N25° 53' 27.840000000", W081° 47' 02.370000000"	9000	VNAV	280	FLY_BY	TF
SUMPS	WP	N25° 54' 33.730000000", W081° 12' 01.920000000"	9000	VNAV	280	FLY_BY	TF
FROGZ	WP	N25° 54' 47.440000000", W081° 02' 13.200000000"	9000	VNAV	280	FLY_BY	TF
ARRTT	WP	N25° 53' 32.270000000", W080° 58' 56.990000000"	9000	VNAV	250	FLY_BY	TF
ASPPN	WP	N25° 52' 23.770000000", W080° 55' 58.420000000"	9000	VNAV	250	FLY_BY	TF
PBJAY	WP	N25° 50' 34.470000000", W080° 51' 13.930000000"	8000	VNAV	250	FLY_BY	TF
SCHAR	WP	N25° 48' 52.700000000", W080° 46' 49.540000000"	5000	VNAV	250	FLY_BY	TF
HALER	WP	N25° 47' 01.061407597", W080° 42' 00.050740094"	5000	VNAV	250	FLY_BY	TF
BOZZE	WP	N25° 47' 13.383347735", W080° 37' 19.938633610"	5000	VNAV	250	FLY_BY	TF

DME DME Assessment Results for FROGZ5 path MARCI_BOZZE

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	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path MARCI_BOZZE

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CYY	N26° 09' 12.338900000", W081° 46' 41.171500000"	3.0 W	25	T		NO	Enabled	24.3 %	25.3 %
2	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	58 %	56.8 %
3	SRQ	N27° 24' 25.255800000", W082° 33' 49.184700000"	5.0 W	130	DH		NO	Enabled	10.8 %	11.2 %
4	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	69.3 %	68.1 %
5	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	42.6 %	40.4 %
6	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	42.4 %	42.3 %
7	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	41.5 %	39.2 %
8	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
9	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
10	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
11	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
12	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
13	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
14	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CYY	VKZ	FLL	PHK	SRQ	
7.3	PHK	CYY	FLL	VKZ		
16.4	PHK	VKZ	FLL			
17.9						
38.4	PBI	VKZ				
39.2	PBI	VKZ	DHP			
45.7	PHK	VKZ	DHP	PBI		
55.0	PHK	VKZ	DHP	PBI	FLL	

DME DME Assessment Results for FROGZ5 path MARCI_BOZZE

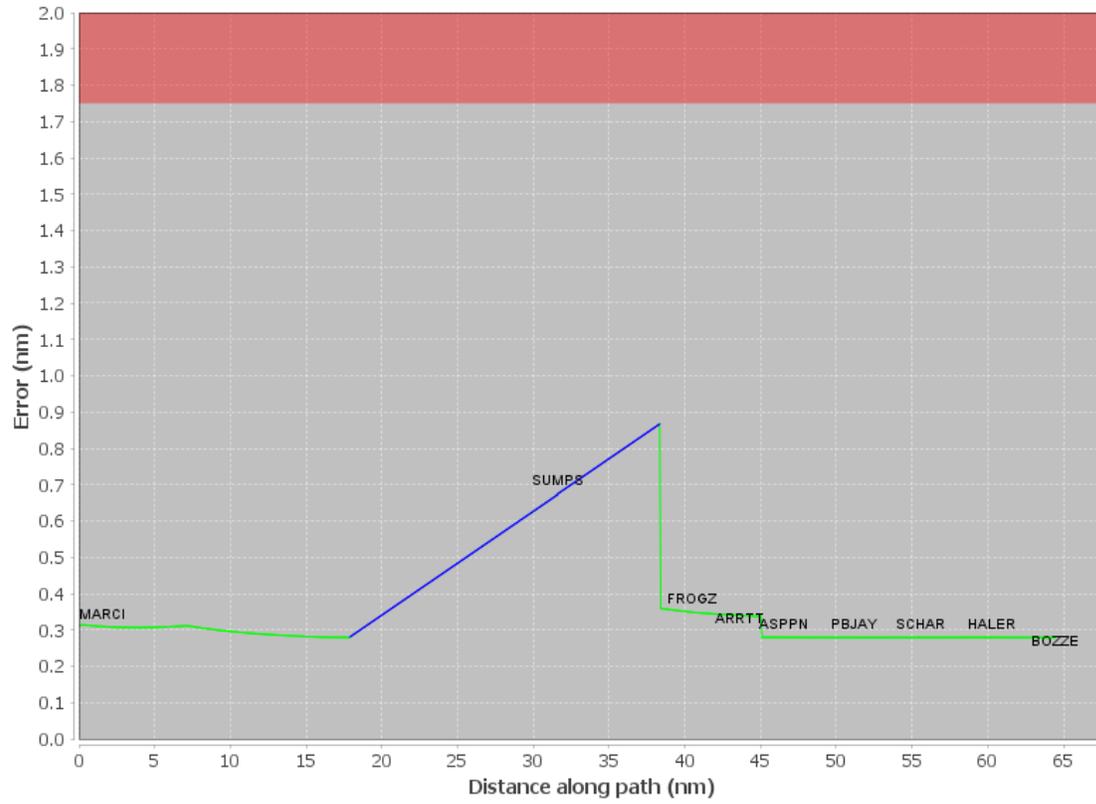
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 54' 06.274093379", W081° 27' 10.302007314"	N25° 54' 44.371614333", W081° 04' 27.472787872"	20.4593

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MARCI	SUMPS	CYY, PHK, SRQ, VKZ, FLL	
SUMPS	FROGZ	VKZ, PBI, DHP	
FROGZ	ARRTT	VKZ, PBI, DHP	
ARRTT	ASPPN	PHK, VKZ, PBI, DHP	
ASPPN	PBJAY	PHK, VKZ, PBI, DHP	
PBJAY	SCHAR	PHK, VKZ, PBI, FLL, DHP	
SCHAR	HALER	PHK, VKZ, PBI, FLL, DHP	
HALER	BOZZE	PHK, VKZ, PBI, FLL, DHP	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path MARCI_BOZZE

DME Error



DME DME Assessment Results for FROGZ5 path PBJAY_PIANA

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\KZIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KZIA\KZIA FROGZ5 (RNAV) STAR\DME\KZIA [IFPA] FROGZ5 20250106_1229 EST\PBJAY_PIANA\KZIA FROGZ5 RNAV STAR PBJAY PIANA 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
PBJAY	WP	N25° 50' 34.470000000", W080° 51' 13.930000000"	8000	VNAV	250	FLY_BY	TF
PIANA	WP	N25° 52' 27.090000000", W080° 26' 56.470000000"	3000	VNAV	250	FLY_BY	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KZIA [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 FROGZ5 path PBJAY_PIANA

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path PBJAY_PIANA

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	27.1 %	27.1 %
2	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	100 %	100 %
3	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	100 %	100 %
4	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	95.6 %	95.6 %
5	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	100 %	100 %
6	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
7	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
8	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
9	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
10	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
11	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
12	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	VKZ	DHP	PBI		
1.0	PHK	VKZ	DHP	FLL	PBI	
6.0	PBI	VKZ	DHP	FLL		

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

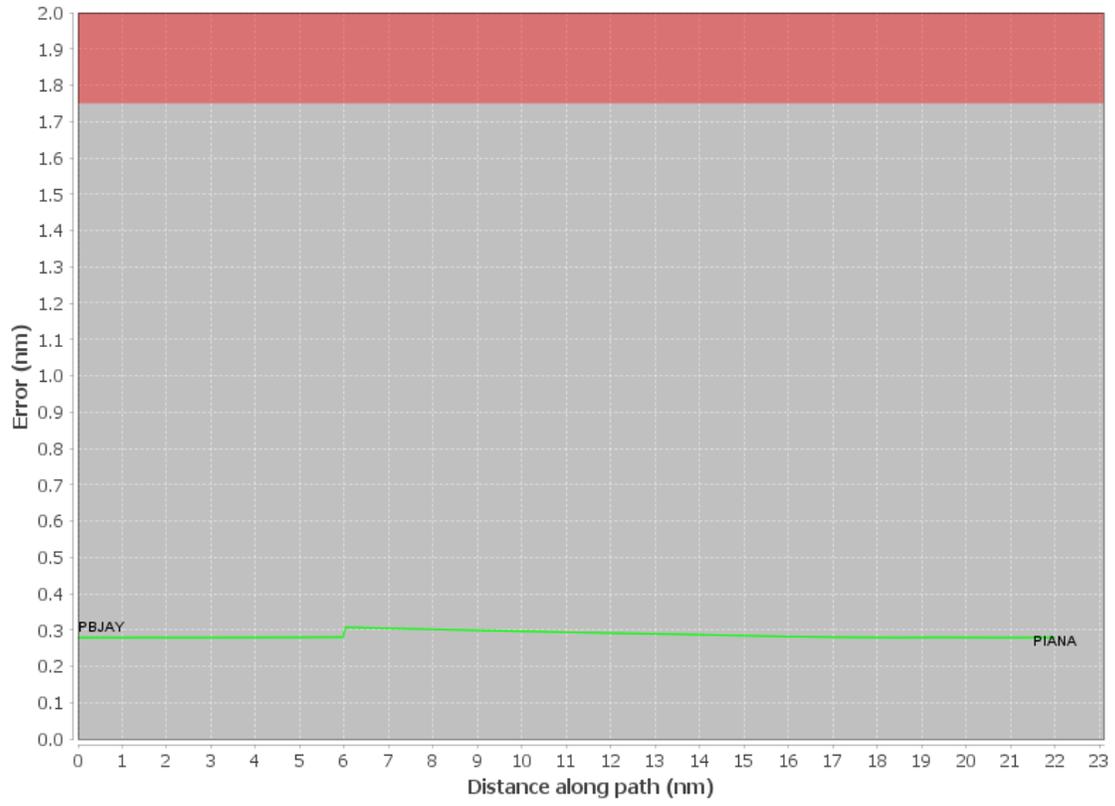
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
PBJAY	PIANA	PHK, VKZ, PBI, FLL, DHP	

DME DME Assessment Results for FROGZ5 path PBJAY_PIANA

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path PBJAY_PIANA

DME Error



DME DME Assessment Results for FROGZ5 path REELN_WNNER

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\REELN_WNNER\KMIA FROGZ5 RNAV STAR REELN WNNER 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
REELN	WP	N25° 42' 11.360000000", W080° 17' 11.850000000"	6000	VNAV	250	FLY_BY	TF
WNNER	WP	N25° 36' 59.800000000", W080° 06' 54.060000000"	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 FROGZ5 path REELN_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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	39.6 %	39.6 %
2	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	100 %	100 %
3	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	87 %	87 %
4	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
5	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
6	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
7	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
8	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
9	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
10	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for FROGZ5 path REELN_WNNER

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	VKZ	FLL				
1.4	FLL	DHP	VKZ			
2.6	FLL	DHP				
7.1	VKZ	DHP	FLL			
8.8	FLL	DHP				

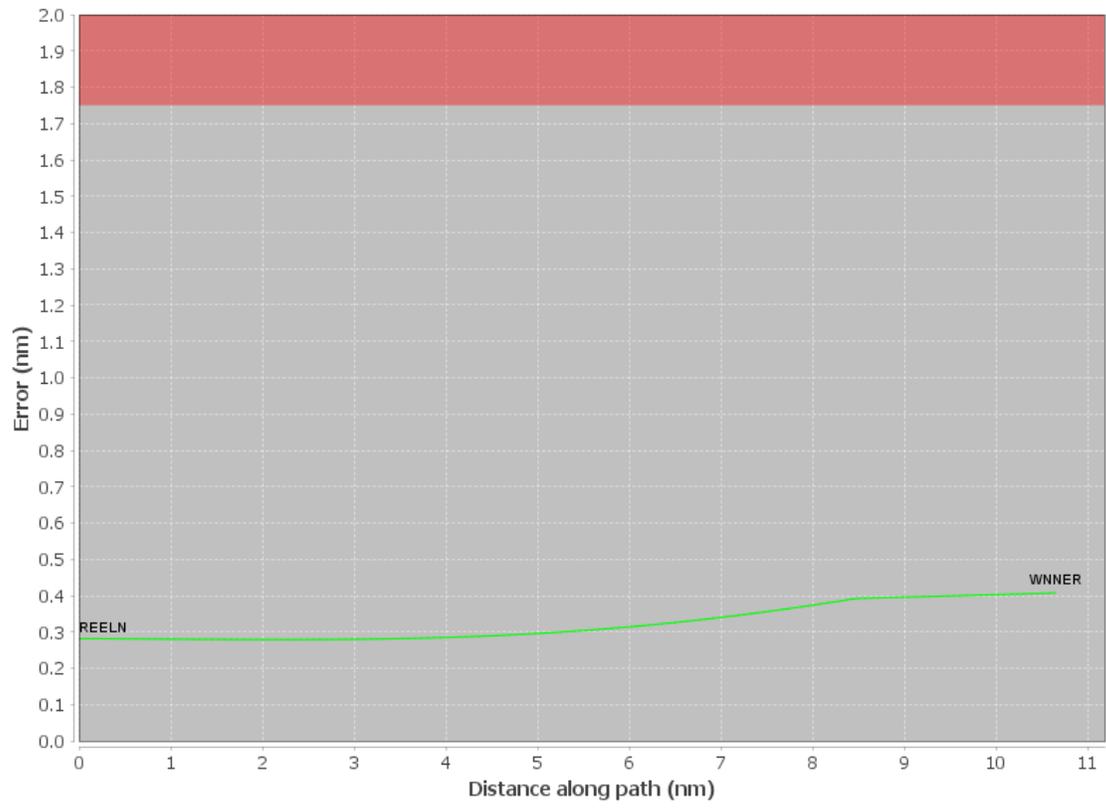
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
REELN	WNNER	VKZ, FLL, DHP	

User Data Files								
#	File Name							
	None							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
	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 14600.0 ft			
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
	ESV:	Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°			Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft			
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
	ESV:	Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°			Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft			
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
	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			
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
	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			

DME DME Assessment Results for FROGZ5 path REELN_WNNER

DME Error



DME DME Assessment Results for FROGZ5 path SABEE_MATNY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\SABEE_MATNY\KMIA FROGZ5 RNAV STAR SABEE MATNY 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SABEE	WP	N27° 05' 16.200000000", W082° 11' 29.330000000"	18000	VNAV	280	FLY_BY	TF
EXACT	WP	N26° 45' 29.900000000", W082° 07' 39.620000000"	18000	VNAV	280	FLY_BY	TF
MATNY	WP	N26° 31' 49.040000000", W082° 04' 27.610000000"	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 FROGZ5 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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path SABEE_MATNY

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MLB	N28° 06' 19.1200000000", W080° 38' 06.4600000000"	7.0 W	130	DH		NO	Enabled	100 %	100 %
2	PHK	N26° 46' 57.8726000000", W080° 41' 29.1566000000"	0.0 E	130	H		NO	Enabled	100 %	100 %
3	SRQ	N27° 24' 25.2558000000", W082° 33' 49.1847000000"	5.0 W	130	DH		NO	Enabled	100 %	100 %
4	VKZ	N25° 45' 06.8455000000", W080° 09' 15.9964000000"	4.0 W	130	DH		NO	Enabled	62.8 %	62.8 %
5	LAL	N27° 59' 10.3098000000", W082° 00' 50.0557000000"	1.0 E	130	H		NO	Enabled	100 %	100 %
6	RSW	N26° 31' 47.5921000000", W081° 46' 32.7666000000"	2.0 W	130	H		NO	Enabled	100 %	100 %
7	PIE	N27° 54' 27.9518000000", W082° 41' 03.5131000000"	5.0 W	130	H		NO	Enabled	100 %	100 %
8	SBSO1	N29° 45' 00.0000000000", W087° 45' 00.0000000000"	2.0 W	40	L	IFPA	NO	Disabled		
9	SBSO2	N29° 55' 00.0000000000", W088° 20' 00.0000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
10	SBSO3	N29° 38' 36.0000000000", W088° 30' 30.0000000000"	2.0 W	25	T	IFPA	NO	Disabled		
11	SBTMS10	N29° 45' 00.0000000000", W087° 45' 00.0000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
12	ZFP	N26° 33' 19.2500000000", W078° 41' 52.2500000000"	3.0 W	130	H	IFPA	NO	Disabled		
13	ZQA	N25° 01' 31.8000000000", W077° 26' 47.1000000000"	6.0 W	130	H	IFPA	NO	Disabled		
14	ZTC	N26° 44' 05.0000000000", W077° 22' 45.0000000000"	5.0 W	130	H	IFPA	NO	Disabled		

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

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

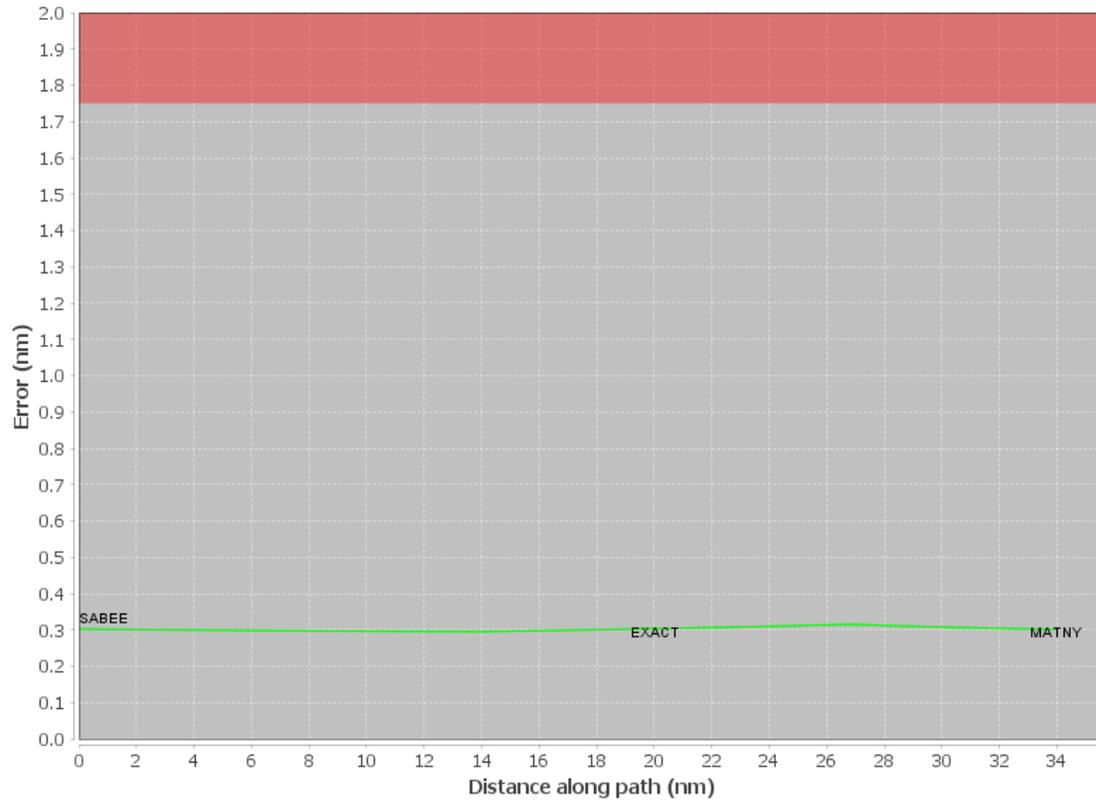
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SABEE	EXACT	MLB, PHK, SRQ, VKZ, LAL, RSW, PIE	
EXACT	MATNY	MLB, PHK, SRQ, VKZ, LAL, RSW, PIE	

DME DME Assessment Results for FROGZ5 path SABEE_MATNY

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path SABEE_MATNY

DME Error



DME DME Assessment Results for FROGZ5 path SCHAR_FROTH

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\SCHAR_FROTH\KMIA FROGZ5 RNAV STAR SCHAR FROTH 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SCHAR	WP	N25° 48' 52.700000000", W080° 46' 49.540000000"	5000	VNAV	250	FLY_BY	TF
DRILY	WP	N25° 47' 08.174900191", W080° 42' 18.479790319"	5000	VNAV	250	FLY_BY	TF
FROTH	WP	N25° 47' 23.048047188", W080° 36' 42.522941725"	5000	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 FROGZ5 path SCHAR_FROTH

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path SCHAR_FROTH

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled	100 %	100 %
2	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	100 %	100 %
3	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	100 %	100 %
4	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	100 %	100 %
5	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	100 %	100 %
6	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
7	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
8	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
9	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
10	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
11	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
12	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

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

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

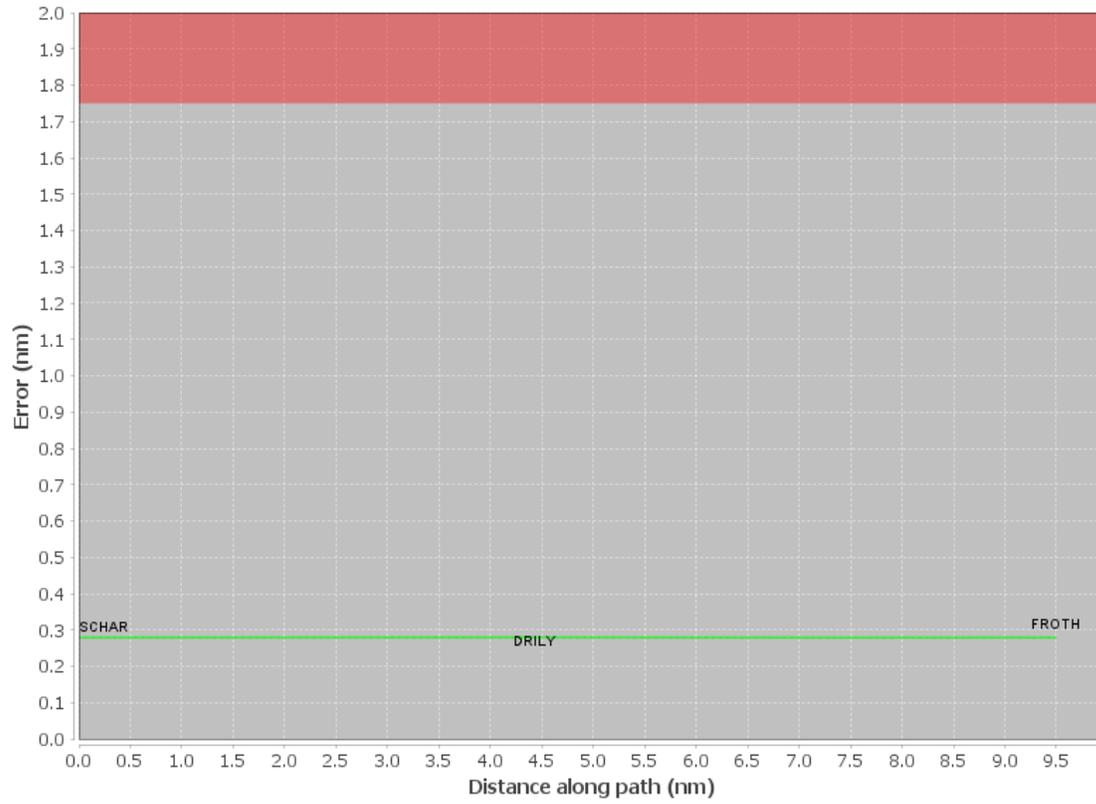
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SCHAR	DRILY	PHK, VKZ, PBI, FLL, DHP	
DRILY	FROTH	PHK, VKZ, PBI, FLL, DHP	

DME DME Assessment Results for FROGZ5 path SCHAR_FROTH

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft			
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°			Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft			
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°			Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft			
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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			
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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			

DME DME Assessment Results for FROGZ5 path SCHAR_FROTH

DME Error



DME DME Assessment Results for FROGZ5 path SCHAR_LLEGG

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Erik J-CTR John
Project File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\KMIA FROGZ5 (RNAV) STAR DME 31 DEC 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\KMIA\KMIA FROGZ5 (RNAV) STAR\DME\KMIA [IFPA] FROGZ5 20250106_1229 EST\SCHAR_LLEGG\KMIA FROGZ5 RNAV STAR SCHAR LLEGG 20250106_1229 EST.pdf
Procedure Name:	FROGZ5
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/06/2025 12:29 EST
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SCHAR	WP	N25° 48' 52.70000000", W080° 46' 49.54000000"	5000	VNAV	250	FLY_BY	TF
ACERE	WP	N25° 46' 14.84000000", W080° 40' 00.36000000"	4000	VNAV	250	FLY_BY	TF
LLEGG	WP	N25° 46' 31.10000000", W080° 34' 08.58000000"	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 FROGZ5 path SCHAR_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, TACAN
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:	Not enabled
Disabled DMEs:	SBSO1,SBSO2,SBSO3,SBTMS10,ZF P,ZQA,ZTC

DME DME Assessment Results for FROGZ5 path SCHAR_LLEGG

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H		NO	Enabled		
2	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH		NO	Enabled	100 %	100 %
3	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H		NO	Enabled	100 %	100 %
4	FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	H		NO	Enabled	85.6 %	85.6 %
5	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H		NO	Enabled	100 %	100 %
6	SBSO1	N29° 45' 00.000000000", W087° 45' 00.000000000"	2.0 W	40	L	IFPA	NO	Disabled		
7	SBSO2	N29° 55' 00.000000000", W088° 20' 00.000000000"	1.0 E	0	UNKN OWN	IFPA	NO	Disabled		
8	SBSO3	N29° 38' 36.000000000", W088° 30' 30.000000000"	2.0 W	25	T	IFPA	NO	Disabled		
9	SBTMS10	N29° 45' 00.000000000", W087° 45' 00.000000000"	0.0 E	0	UNKN OWN	IFPA	NO	Disabled		
10	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
11	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
12	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PHK	VKZ	DHP	PBI	FLL	
0.1	PBI	VKZ	DHP			
1.7	PBI	VKZ	DHP	FLL		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SCHAR	ACERE	PHK, VKZ, PBI, FLL, DHP	
ACERE	LLEGG	VKZ, PBI, FLL, DHP	

DME DME Assessment Results for FROGZ5 path SCHAR_LLEGG

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-79 PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-79	
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 14600.0 ft		
2	PHK FAA 900991-25 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-25	
ESV:		Bearing [True]: 175.0° to 195.0° Bearing [Mag]: 175.0° to 195.0°				Arc Distance: Out to 80.0 NM Altitude: 5000.0 to 11000.0 ft		
3	MGR FAA 815728-5 MGR	N31° 04' 56.166300000", W083° 48' 15.176400000"	-0.0 E	40	285.5	108.8	MGR FAA 815728-5	
ESV:		Bearing [True]: 183.0° to 231.0° Bearing [Mag]: 183.0° to 231.0°				Arc Distance: Out to 58.0 NM Altitude: 8900.0 to 18300.0 ft		
4	FLL FAA 121409-31 FLL	N26° 04' 26.196200000", W080° 09' 59.190600000"	6.0 W	130	5.9	114.4	FLL FAA 121409-31	
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		
5	PHK FAA 900991-68 PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	15.5	115.4	PHK FAA 900991-68	
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		

DME DME Assessment Results for FROGZ5 path SCHAR_LLEGG

DME Error

