

## DME DME Assessment Results for BNFSH3 path HOAGG\_JORAY

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\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\KMIA BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\KMIA [IFPA] BNFSH3 20240716_0936 EDT\HOAGG_JORAY\KMIA BNFSH3 RNAV STAR HOAGG JORAY 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
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
HOAGG	WP	N29° 47' 03.710000000", W078° 50' 33.850000000"	20000	VNAV	280	FLY_BY	TF
JORAY	WP	N28° 20' 34.130000000", W079° 02' 05.880000000"	20000	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 BNFSH3 path HOAGG\_JORAY

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:	ZFP,ZGV,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CRG	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	H	IFPA	NO	Enabled		
2	TRV	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	H	IFPA	NO	Enabled		
3	OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	H	IFPA	NO	Enabled		
4	MLB	N28° 06' 19.120000000", W080° 38' 06.460000000"	7.0 W	130	DH	IFPA	NO	Enabled		
5	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H	IFPA	NO	Enabled		
6	ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	H	IFPA	NO	Enabled		
7	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
8	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 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 BNFSH3 path HOAGG\_JORAY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	TRV [IFPA]	CRG [IFPA]	OMN [IFPA]	ORL [IFPA]		
13.5	TRV [IFPA]	CRG [IFPA]	MLB [IFPA]	OMN [IFPA]	ORL [IFPA]	
40.6	CRG [IFPA]	TRV [IFPA]	PBI [IFPA]	OMN [IFPA]	MLB [IFPA]	
48.5	PBI [IFPA]	OMN [IFPA]	TRV [IFPA]	MLB [IFPA]		
55.6	TRV [IFPA]	OMN [IFPA]	MLB [IFPA]	ORL [IFPA]		
71.7	OMN [IFPA]	PBI [IFPA]	TRV [IFPA]	ORL [IFPA]	MLB [IFPA]	

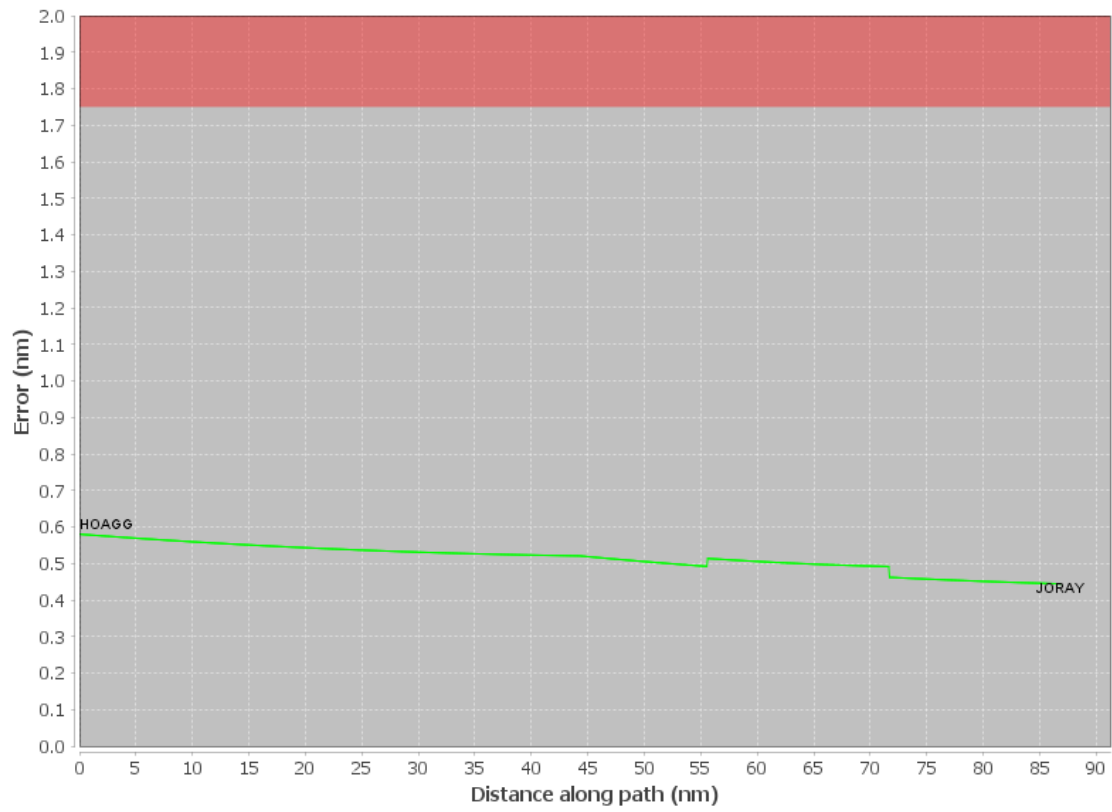
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HOAGG	JORAY	CRG [IFPA], TRV [IFPA], OMN [IFPA], MLB [IFPA], PBI [IFPA], ORL [IFPA]	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°				Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft		
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°				Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft		
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft		

# DME DME Assessment Results for BNFSH3 path HOAGG\_JORAY

## DME Error



## DME DME Assessment Results for BNFSH3 path SUMRS\_JORAY

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\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\KMIA BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\KMIA [IFPA] BNFSH3 20240716_0936 EDT\SUMRS_JORAY\KMIA BNFSH3 RNAV STAR SUMRS JORAY 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
GNSS_ONLY      SUMRS_____PAAZZ is GNSS Only and was not evaluated

Informational
GNSS_ONLY      SUMRS_____PAAZZ 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
SUMRS	WP	N28° 42' 42.080000000", W076° 33' 30.590000000"	20000	VNAV	280	FLY_BY	TF
PAAZZ	WP	N28° 33' 16.670000000", W077° 39' 08.770000000"	20000	VNAV	280	FLY_BY	TF
JORAY	WP	N28° 20' 34.130000000", W079° 02' 05.880000000"	20000	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 BNFSH3 path SUMRS\_JORAY**

<b>DME/DME</b>	
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:	ZFP,ZGV,ZQA,ZTC

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TRV	N27° 40' 42.2587000000", W080° 29' 23.0400000000"	7.0 W	130	H	IFPA	NO	Enabled		
2	OMN	N29° 18' 11.7020000000", W081° 06' 45.7137000000"	0.0 E	130	H	IFPA	NO	Enabled		
3	MLB	N28° 06' 19.1200000000", W080° 38' 06.4600000000"	7.0 W	130	DH	IFPA	NO	Enabled		
4	PBI	N26° 40' 48.1980000000", W080° 05' 11.3635000000"	3.0 W	130	H	IFPA	NO	Enabled		
5	ORL	N28° 32' 33.8016000000", W081° 20' 06.0532000000"	0.0 E	130	H	IFPA	NO	Enabled		
6	ZFP	N26° 33' 19.2500000000", W078° 41' 52.2500000000"	3.0 W	130	H	IFPA	NO	Disabled		
7	ZGV	N25° 15' 27.0000000000", W076° 18' 31.0000000000"	5.0 W	130	H	IFPA	NO	Disabled		
8	ZQA	N25° 01' 31.8000000000", W077° 26' 47.1000000000"	6.0 W	130	H	IFPA	NO	Disabled		
9	ZTC	N26° 44' 05.0000000000", W077° 22' 45.0000000000"	5.0 W	130	H	IFPA	NO	Disabled		

**DME DME Assessment Results for BNFSH3 path SUMRS\_JORAY**

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
30.1	PBI [IFPA]	MLB [IFPA]				
38.6	PBI [IFPA]	OMN [IFPA]	TRV [IFPA]	MLB [IFPA]		
67.1	ORL [IFPA]	PBI [IFPA]	MLB [IFPA]	TRV [IFPA]		
69.1	OMN [IFPA]	PBI [IFPA]	ORL [IFPA]	TRV [IFPA]	MLB [IFPA]	

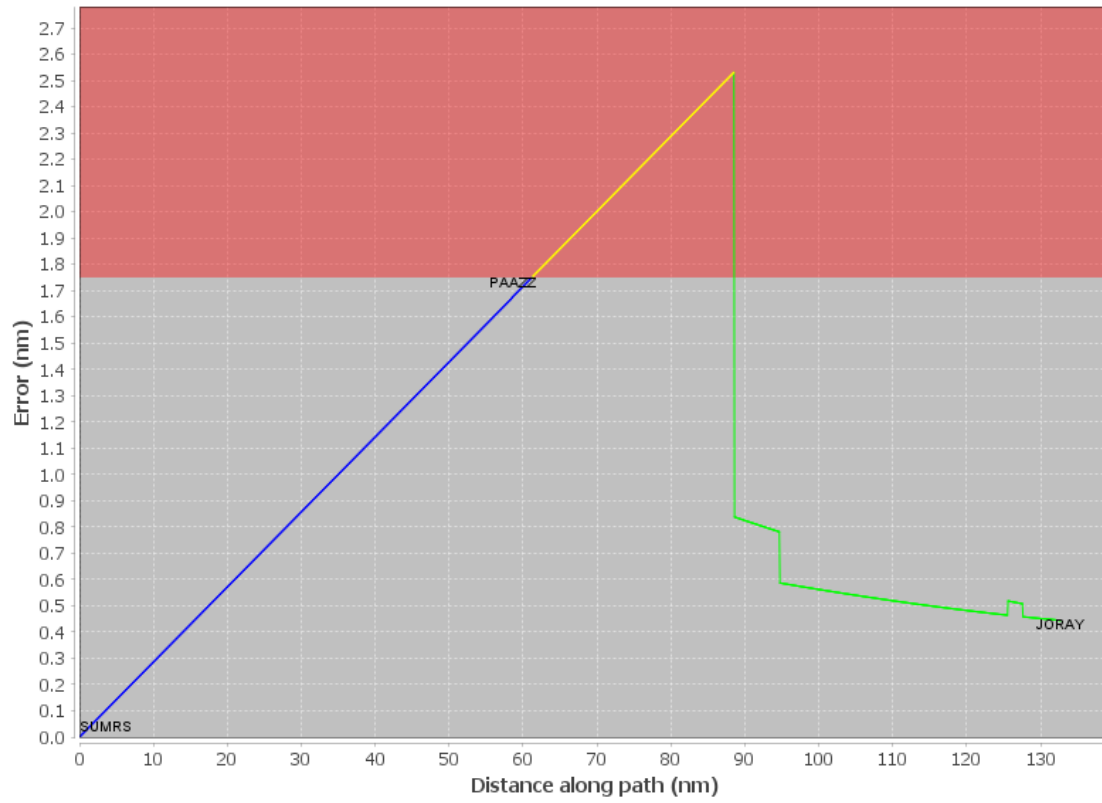
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 33' 16.670000000", W077° 39' 08.770000000"	N28° 28' 13.760678405", W078° 12' 48.058512887"	30.0731

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SUMRS	PAAZZ		
PAAZZ	JORAY	TRV [IFPA], OMN [IFPA], MLB [IFPA], PBI [IFPA], ORL [IFPA]	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°				Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft		
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°				Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft		
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft		

# DME DME Assessment Results for BNFSH3 path SUMRS\_JORAY

## DME Error





## DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM

### 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\FLMP_MIA WORK\KZIA BNFSH3 (RNAV) STAR\KZIA BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\KZIA BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\KZIA [IFPA] BNFSH3 20240716_0936 EDT\SNAGY_CHUUM\KZIA BNFSH3 RNAV STAR SNAGY CHUUM 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
Databases:	MITRE 3DEP 3 arcsec

### Failures

No Failures

### Warnings

GNSS_ONLY	SNAGY_____HOVAX is GNSS Only and was not evaluated
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### Informational

GNSS_ONLY	SNAGY_____HOVAX is GNSS Only and was not evaluated
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### Notes For Flight Check

None

**DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM**

<b>Flight Plan</b>							
<b>Name</b>	<b>Type</b>	<b>Lat/Lon</b>	<b>Altitude (ft)</b>	<b>VNAV Mode</b>	<b>Ground Speed (kts)</b>	<b>Turn Type</b>	<b>Leg Type</b>
SNAGY	WP	N29° 36' 26.390000000", W076° 51' 51.380000000"	20000	VNAV	280	FLY_BY	TF
HOVAX	WP	N29° 08' 14.900000000", W077° 41' 02.950000000"	20000	VNAV	280	FLY_BY	TF
JORAY	WP	N28° 20' 34.130000000", W079° 02' 05.880000000"	20000	VNAV	280	FLY_BY	TF
MOGAE	WP	N27° 18' 24.190000000", W079° 25' 06.530000000"	20000	VNAV	280	FLY_BY	TF
WOLAP	WP	N27° 03' 02.950000000", W079° 30' 43.310000000"	20000	VNAV	280	FLY_BY	TF
CIKEN	WP	N26° 53' 30.910000000", W079° 34' 11.620000000"	20000	VNAV	280	FLY_BY	TF
GELDE	WP	N26° 37' 32.770000000", W079° 39' 56.820000000"	12000	VNAV	280	FLY_BY	TF
ENRGY	WP	N26° 27' 28.630000000", W079° 43' 28.310000000"	10000	VNAV	280	FLY_BY	TF
WOOSA	WP	N26° 23' 04.580000000", W079° 48' 49.420000000"	8000	VNAV	280	FLY_BY	TF
CASTT	WP	N26° 19' 33.170000000", W079° 54' 27.530000000"	8000	VNAV	250	FLY_BY	TF
BNFSH	WP	N26° 15' 15.830000000", W080° 01' 18.140000000"	8000	VNAV	250	FLY_BY	TF
FENDE	WP	N26° 04' 09.900000000", W080° 03' 50.310000000"	8000	VNAV	250	FLY_BY	TF
GUCCI	WP	N25° 55' 21.910000000", W080° 06' 07.460000000"	8000	VNAV	250	FLY_BY	TF
BLYMY	WP	N25° 52' 45.480000000", W080° 09' 19.870000000"	8000	VNAV	250	FLY_BY	TF
RMANI	WP	N25° 52' 42.770000000", W080° 11' 32.890000000"	8000	VNAV	250	FLY_BY	TF
MDONA	WP	N25° 52' 31.540000000", W080° 17' 24.910000000"	6000	VNAV	250	FLY_BY	TF
KPONE	WP	N25° 56' 15.610000000", W080° 25' 05.110000000"	4000	VNAV	250	FLY_BY	TF
CHUUM	WP	N25° 56' 12.420000000", W080° 28' 24.750000000"	4000	VNAV	250	FLY_OVER	TF

**DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM**

<b>Flyability</b>	
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

<b>DME/DME</b>	
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:	ZFP,ZGV,ZQA,ZTC

**DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
<b>#</b>	<b>Name</b>	<b>Lat/Lon</b>	<b>MAGVAR</b>	<b>Range</b>	<b>Type</b>	<b>Source</b>	<b>Critical</b>	<b>Status</b>	<b>Time</b>	<b>Distance</b>
1	PHK	N26° 46' 57.872600000", W080° 41' 29.156600000"	0.0 E	130	H	IFPA	NO	Enabled		
2	TRV	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	H	IFPA	NO	Enabled		
3	OMN	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	H	IFPA	NO	Enabled		
4	ZBV	N25° 42' 15.000000000", W079° 17' 40.000000000"	4.0 W	130	H	IFPA	NO	Enabled		
5	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH	IFPA	NO	Enabled		
6	MLB	N28° 06' 19.120000000", W080° 38' 06.460000000"	7.0 W	130	DH	IFPA	NO	Enabled		
7	FLL	N26° 04' 26.183300000", W080° 09' 59.192100000"	6.0 W	130	H	IFPA	NO	Enabled		
8	RSW	N26° 31' 47.592100000", W081° 46' 32.766600000"	2.0 W	130	H	IFPA	NO	Enabled		
9	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H	IFPA	NO	Enabled		
10	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H	IFPA	NO	Enabled		
11	ORL	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	H	IFPA	NO	Enabled		
12	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
13	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 W	130	H	IFPA	NO	Disabled		
14	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
15	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

**DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM**

<b>Flight Check DME Selection</b>						
<b>Distance [NM]</b>	<b>Selected DMEs</b>					<b>Alternate</b>
0.0						
37.2	TRV [IFPA]	OMN [IFPA]				
37.9	PBI [IFPA]	OMN [IFPA]	TRV [IFPA]			
45.3	PBI [IFPA]	OMN [IFPA]	TRV [IFPA]	MLB [IFPA]		
78.5	ORL [IFPA]	PBI [IFPA]	MLB [IFPA]	TRV [IFPA]		
79.4	OMN [IFPA]	PBI [IFPA]	ORL [IFPA]	TRV [IFPA]	MLB [IFPA]	
97.6	MLB [IFPA]	PBI [IFPA]	ORL [IFPA]	PHK [IFPA]	TRV [IFPA]	
152.2	TRV [IFPA]	PBI [IFPA]	MLB [IFPA]	FLL [IFPA]	VKZ [IFPA]	DHP [IFPA]
188.0	VKZ [IFPA]	PBI [IFPA]	MLB [IFPA]			
198.7	VKZ [IFPA]	PBI [IFPA]	FLL [IFPA]	MLB [IFPA]		
204.4	VKZ [IFPA]	PBI [IFPA]	FLL [IFPA]			
218.0	FLL [IFPA]	PBI [IFPA]	DHP [IFPA]	VKZ [IFPA]		
219.3	FLL [IFPA]	PBI [IFPA]	DHP [IFPA]			
223.1	DHP [IFPA]	PBI [IFPA]				
224.4						
233.0	FLL [IFPA]	PBI [IFPA]	VKZ [IFPA]			
234.0						
236.2	DHP [IFPA]	PBI [IFPA]				
238.0						
239.4	FLL [IFPA]	DHP [IFPA]				
240.5	FLL [IFPA]	DHP [IFPA]	VKZ [IFPA]			
250.9	VKZ [IFPA]	DHP [IFPA]				
251.4	VKZ [IFPA]	DHP [IFPA]	FLL [IFPA]			
256.0	VKZ [IFPA]	FLL [IFPA]				
259.3	VKZ [IFPA]	FLL [IFPA]	DHP [IFPA]			

<b>Inertial Drift Segments</b>			
<b>#</b>	<b>Start Location</b>	<b>End Location</b>	<b>Length [NM]</b>
1	N29° 08' 14.900000000", W077° 41' 02.950000000"	N28° 47' 40.036084176", W078° 16' 21.323359989"	37.1552
2	N26° 15' 18.214285362", W080° 01' 14.340363489"	N26° 06' 49.238562384", W080° 03' 13.944874359"	8.6647
3	N26° 05' 52.040509571", W080° 03' 27.002170940"	N26° 03' 41.470963526", W080° 03' 57.703686335"	2.2232
4	N26° 01' 55.876207042", W080° 04' 25.157274626"	N26° 00' 34.648194032", W080° 04' 46.266128586"	1.3865

**DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM**

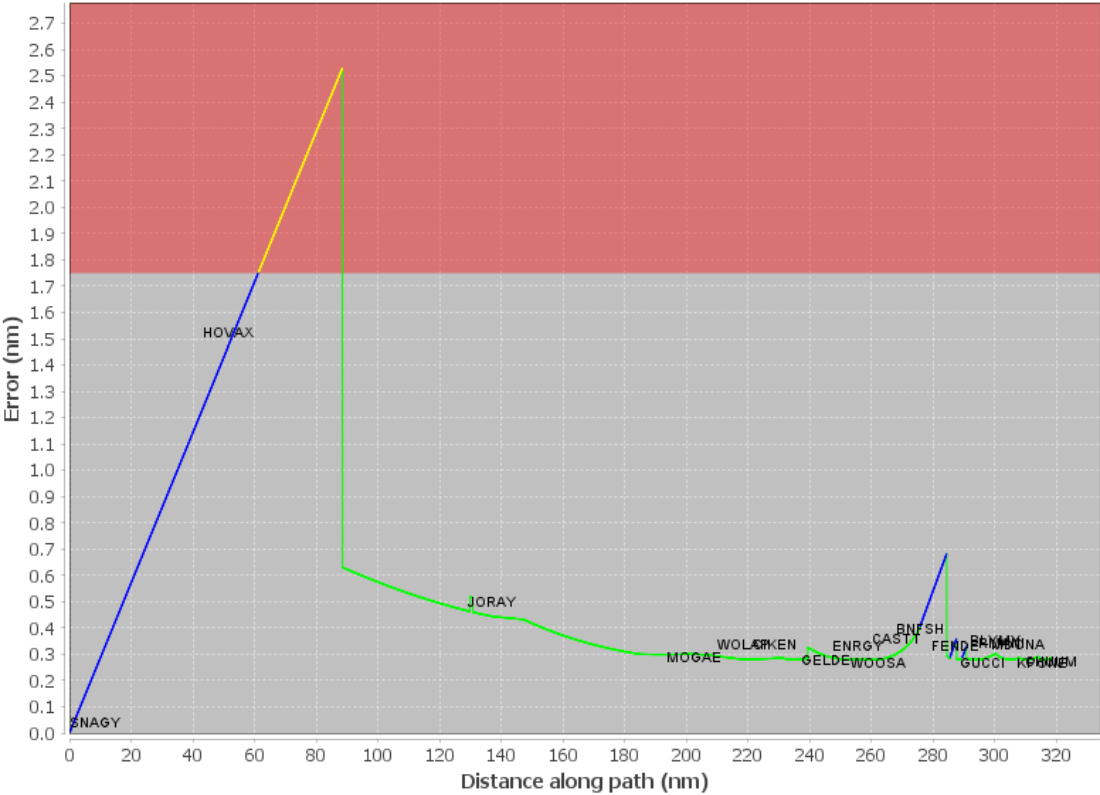
<b>Available DMEs by Waypoints</b>			
<b>Waypoint Before</b>	<b>Waypoint After</b>	<b>DME List</b>	<b>Suggested DMEs</b>
SNAGY	HOVAX		
HOVAX	JORAY	PHK [IFPA], TRV [IFPA], OMN [IFPA], MLB [IFPA], PBI [IFPA], ORL [IFPA]	
JORAY	MOGAE	PHK [IFPA], TRV [IFPA], OMN [IFPA], ZBV [IFPA], VKZ [IFPA], MLB [IFPA], FLL [IFPA], DHP [IFPA], PBI [IFPA], ORL [IFPA]	
MOGAE	WOLAP	PHK [IFPA], TRV [IFPA], VKZ [IFPA], ZBV [IFPA], MLB [IFPA], FLL [IFPA], RSW [IFPA], DHP [IFPA], PBI [IFPA], ORL [IFPA]	
WOLAP	CIKEN	PHK [IFPA], TRV [IFPA], VKZ [IFPA], ZBV [IFPA], MLB [IFPA], FLL [IFPA], RSW [IFPA], DHP [IFPA], PBI [IFPA]	
CIKEN	GELDE	PHK [IFPA], TRV [IFPA], VKZ [IFPA], ZBV [IFPA], MLB [IFPA], FLL [IFPA], RSW [IFPA], DHP [IFPA], PBI [IFPA]	
GELDE	ENRGY	VKZ [IFPA], MLB [IFPA], FLL [IFPA], PBI [IFPA]	
ENRGY	WOOSA	VKZ [IFPA], FLL [IFPA], PBI [IFPA]	
WOOSA	CASTT	VKZ [IFPA], FLL [IFPA], PBI [IFPA]	
CASTT	BNFSH	VKZ [IFPA], FLL [IFPA], DHP [IFPA], PBI [IFPA]	
BNFSH	FENDE	VKZ [IFPA], FLL [IFPA], PBI [IFPA]	
FENDE	GUCCI	VKZ [IFPA], FLL [IFPA], DHP [IFPA], PBI [IFPA]	
GUCCI	BLYMY	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	
BLYMY	RMANI	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	
RMANI	MDONA	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	
MDONA	KPONE	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	
KPONE	CHUUM	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	

**DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM**

<b>User Data Files</b>								
#	File Name							
None								
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°				Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft		
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°				Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft		
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft		

DME DME Assessment Results for BNFSH3 path SNAGY\_CHUUM

DME Error





## DME DME Assessment Results for BNFSH3 path MORME\_CIKEN

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\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\KMIA BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\KMIA [IFPA] BNFSH3 20240716_0936 EDT\MORME_CIKEN\KMIA BNFSH3 RNAV STAR MORME CIKEN 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
GNSS_ONLY MORME_____POSSE is GNSS Only and was not evaluated

Informational
GNSS_ONLY MORME_____POSSE 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
MORME	WP	N27° 18' 59.950000000", W077° 48' 05.750000000"	20000	VNAV	280	FLY_BY	TF
POSSE	WP	N27° 14' 56.270000000", W078° 58' 21.440000000"	20000	VNAV	280	FLY_BY	TF
CIKEN	WP	N26° 53' 30.910000000", W079° 34' 11.620000000"	20000	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 BNFSH3 path MORME\_CIKEN**

<b>DME/DME</b>	
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:	ZFP,ZGV,ZQA,ZTC

**DME DME Assessment Results for BNFSH3 path MORME\_CIKEN**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	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	IFPA	NO	Enabled		
2	TRV	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	H	IFPA	NO	Enabled		
3	VKZ	N25° 45' 06.845500000", W080° 09' 15.996400000"	4.0 W	130	DH	IFPA	NO	Enabled		
4	ZBV	N25° 42' 15.000000000", W079° 17' 40.000000000"	4.0 W	130	H	IFPA	NO	Enabled		
5	MLB	N28° 06' 19.120000000", W080° 38' 06.460000000"	7.0 W	130	DH	IFPA	NO	Enabled		
6	FLL	N26° 04' 26.183300000", W080° 09' 59.192100000"	6.0 W	130	H	IFPA	NO	Enabled		
7	RSW	N26° 31' 47.592100000", W081° 46' 32.766600000"	2.0 W	130	H	IFPA	NO	Enabled		
8	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H	IFPA	NO	Enabled		
9	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H	IFPA	NO	Enabled		
10	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
11	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 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		

<b>Flight Check DME Selection</b>						
Distance [NM]	Selected DMEs					Alternate
0.0	TRV [IFPA]	ZBV [IFPA]	FLL [IFPA]	MLB [IFPA]	PBI [IFPA]	VKZ [IFPA]

<b>Inertial Drift Segments</b>			
#	Start Location	End Location	Length [NM]

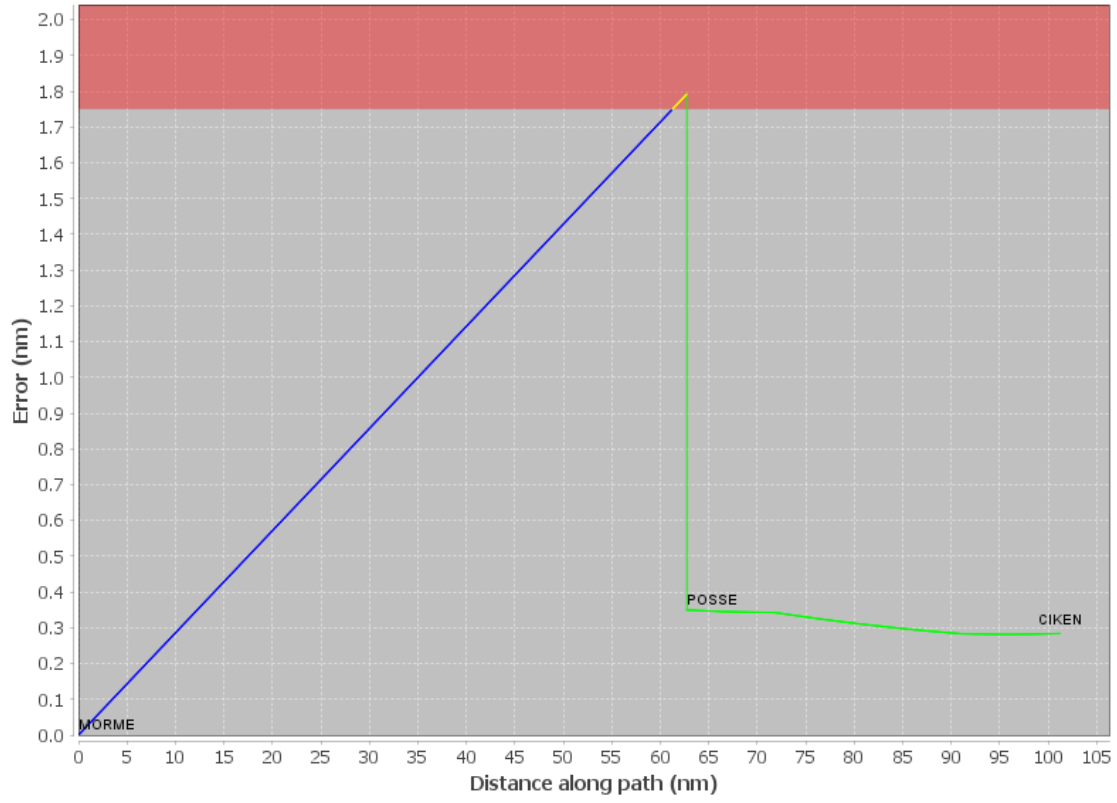
<b>Available DMEs by Waypoints</b>			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MORME	POSSE		
POSSE	CIKEN	PHK [IFPA], TRV [IFPA], VKZ [IFPA], ZBV [IFPA], MLB [IFPA], FLL [IFPA], RSW [IFPA], DHP [IFPA], PBI [IFPA]	

**DME DME Assessment Results for BNFSH3 path MORME\_CIKEN**

<b>User Data Files</b>								
#	File Name							
None								
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°			Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft			
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°			Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft			
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°			Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft			
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°			Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft			

# DME DME Assessment Results for BNFSH3 path MORME\_CIKEN

## DME Error



## DME DME Assessment Results for BNFSH3 path FIROL\_ENRGY

### 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\FLMP_MIA WORK\KZIA BNFSH3 (RNAV) STAR\KZIA BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\KZIA BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\KZIA [IFPA] BNFSH3 20240716_0936 EDT\FIROL_ENRGY\KZIA BNFSH3 RNAV STAR FIROL ENRGY 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
Databases:	MITRE 3DEP 3 arcsec

### Failures

No Failures

### Warnings

GNSS_ONLY	FIROL_____JITIL is GNSS Only and was not evaluated
GNSS_ONLY	JITIL_____REPEE is GNSS Only and was not evaluated

### Informational

GNSS_ONLY	FIROL_____JITIL is GNSS Only and was not evaluated
GNSS_ONLY	JITIL_____REPEE 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
FIROL	WP	N26° 38' 25.670000000", W077° 00' 32.250000000"	12000	VNAV	280	FLY_BY	TF
JITIL	WP	N26° 36' 34.360000000", W077° 41' 22.720000000"	12000	VNAV	280	FLY_BY	TF
REPEE	WP	N26° 34' 13.570000000", W078° 25' 28.850000000"	12000	VNAV	280	FLY_BY	TF
MUNRO	WP	N26° 32' 24.050000000", W079° 00' 49.740000000"	12000	VNAV	280	FLY_BY	TF
BICAP	WP	N26° 32' 23.170000000", W079° 32' 59.720000000"	12000	VNAV	280	FLY_BY	TF
ENRGY	WP	N26° 27' 28.630000000", W079° 43' 28.310000000"	10000	VNAV	280	FLY_BY	TF

**DME DME Assessment Results for BNFSH3 path FIROL\_ENRGY**

<b>Flyability</b>	
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

<b>DME/DME</b>	
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:	ZFP,ZGV,ZQA,ZTC

**DME DME Assessment Results for BNFSH3 path FIROL\_ENRGY**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	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	IFPA	NO	Enabled		
2	MLB	N28° 06' 19.120000000", W080° 38' 06.460000000"	7.0 W	130	DH	IFPA	NO	Enabled		
3	FLL	N26° 04' 26.183300000", W080° 09' 59.192100000"	6.0 W	130	H	IFPA	NO	Enabled		
4	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H	IFPA	NO	Enabled		
5	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
6	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 W	130	H	IFPA	NO	Disabled		
7	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
8	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

<b>Flight Check DME Selection</b>					
Distance [NM]	Selected DMEs				Alternate
0.0					
4.1	PBI [IFPA]	VKZ [IFPA]			
41.1	PBI [IFPA]	VKZ [IFPA]	MLB [IFPA]		
64.2	VKZ [IFPA]	PBI [IFPA]			
65.3	VKZ [IFPA]	PBI [IFPA]	FLL [IFPA]		

<b>Inertial Drift Segments</b>			
#	Start Location	End Location	Length [NM]
1	N26° 34' 13.570000000", W078° 25' 28.850000000"	N26° 33' 59.872538837", W078° 30' 03.746688262"	4.1142

<b>Available DMEs by Waypoints</b>			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FIROL	JITIL		
JITIL	REPEE		
REPEE	MUNRO	VKZ [IFPA], PBI [IFPA]	
MUNRO	BICAP	VKZ [IFPA], MLB [IFPA], PBI [IFPA]	
BICAP	ENRGY	VKZ [IFPA], MLB [IFPA], FLL [IFPA], PBI [IFPA]	

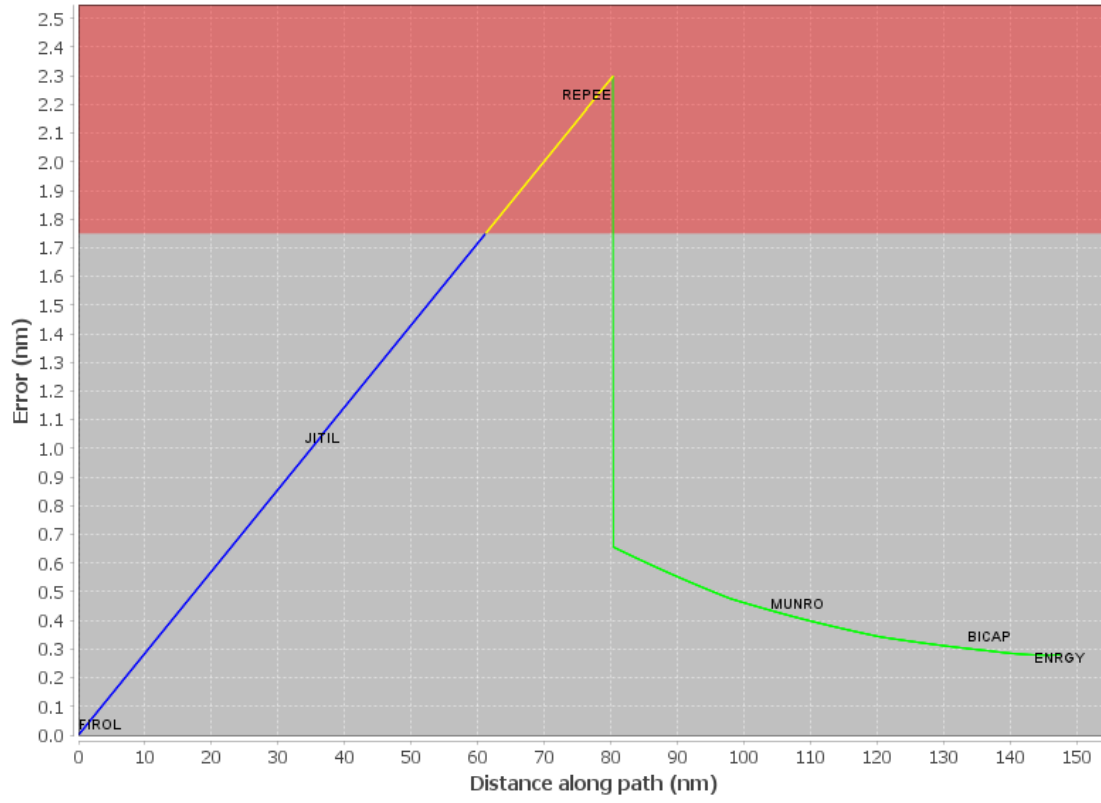


**DME DME Assessment Results for BNFSH3 path FIROL\_ENRGY**

<b>User Data Files</b>								
#	File Name							
None								
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°				Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft		
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°				Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft		
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft		

# DME DME Assessment Results for BNFSH3 path FIROL\_ENRGY

## DME Error



## DME DME Assessment Results for BNFSH3 path BNFSH\_RHODZ

### 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\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\KMIA BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\KMIA [IFPA] BNFSH3 20240716_0936 EDT\BNFSH_RHODZ\KMIA BNFSH3 RNAV STAR BNFSH RHODZ 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
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
BNFSH	WP	N26° 15' 15.830000000", W080° 01' 18.140000000"	8000	VNAV	250	FLY_BY	TF
OTION	WP	N26° 12' 46.720000000", W080° 01' 18.230000000"	8000	VNAV	230	FLY_BY	TF
BONHD	WP	N26° 10' 06.290000000", W080° 01' 05.410000000"	8000	VNAV	230	FLY_BY	TF
GDDAY	WP	N26° 05' 14.470000000", W080° 00' 42.120000000"	8000	VNAV	230	FLY_BY	TF
RHODZ	WP	N25° 53' 44.460000000", W079° 59' 47.180000000"	6000	VNAV	210	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 BNFSH3 path BNFSH\_RHODZ

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:	ZFP,ZGV,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	IFPA	NO	Enabled		
2	ZBV	N25° 42' 15.000000000", W079° 17' 40.000000000"	4.0 W	130	H	IFPA	NO	Enabled		
3	FLL	N26° 04' 26.183300000", W080° 09' 59.192100000"	6.0 W	130	H	IFPA	NO	Enabled		
4	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H	IFPA	NO	Enabled		
5	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H	IFPA	NO	Enabled		
6	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
7	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 W	130	H	IFPA	NO	Disabled		
8	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
9	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

## DME DME Assessment Results for BNFSH3 path BNFSH\_RHODZ

Flight Check DME Selection					
Distance [NM]	Selected DMEs				Alternate
0.0					
3.9	DHP [IFPA]	PBI [IFPA]			
4.0	FLL [IFPA]	PBI [IFPA]	DHP [IFPA]		
5.4	FLL [IFPA]	PBI [IFPA]	DHP [IFPA]	VKZ [IFPA]	
13.9	VKZ [IFPA]	FLL [IFPA]	DHP [IFPA]		
20.5	VKZ [IFPA]	FLL [IFPA]	ZBV [IFPA]	DHP [IFPA]	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N26° 15' 15.830000000", W080° 01' 18.140000000"	N26° 11' 22.685401604", W080° 01' 11.513545204"	3.8855

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BNFSH	OTION		
OTION	BONHD	FLL [IFPA], DHP [IFPA], PBI [IFPA]	
BONHD	GDDAY	VKZ [IFPA], FLL [IFPA], DHP [IFPA], PBI [IFPA]	
GDDAY	RHODZ	VKZ [IFPA], ZBV [IFPA], FLL [IFPA], DHP [IFPA], PBI [IFPA]	

### User Data Files

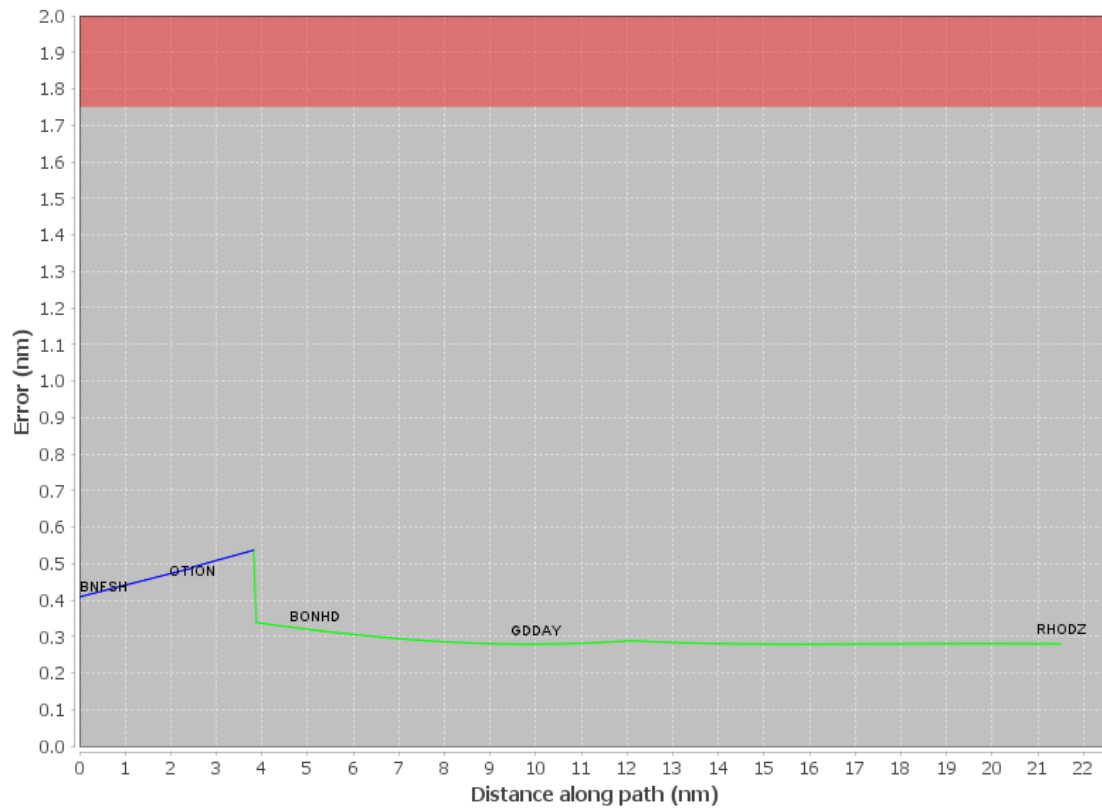
#	File Name
	None

### User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°			Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft			
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°			Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft			
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°			Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft			
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°			Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft			

# DME DME Assessment Results for BNFSH3 path BNFSH\_RHODZ

## DME Error



## DME DME Assessment Results for BNFSH3 path BNFSH\_YARTO

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\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\KMIA BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\KMIA BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\KMIA [IFPA] BNFSH3 20240716_0936 EDT\BNFSH_YARTO\KMIA BNFSH3 RNAV STAR BNFSH YARTO 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
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
BNFSH	WP	N26° 15' 15.830000000", W080° 01' 18.140000000"	8000	VNAV	250	FLY_BY	TF
KEYZZ	WP	N26° 12' 42.820000000", W080° 01' 53.150000000"	8000	VNAV	250	FLY_BY	TF
CARMA	WP	N26° 04' 36.000000000", W080° 03' 44.350000000"	8000	VNAV	250	FLY_BY	TF
YARTO	WP	N25° 53' 35.310000000", W080° 06' 23.170000000"	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 BNFSH3 path BNFSH\_YARTO

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:	ZFP,ZGV,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	IFPA	NO	Enabled		
2	FLL	N26° 04' 26.183300000", W080° 09' 59.192100000"	6.0 W	130	H	IFPA	NO	Enabled		
3	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H	IFPA	NO	Enabled		
4	PBI	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	H	IFPA	NO	Enabled		
5	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
6	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 W	130	H	IFPA	NO	Disabled		
7	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
8	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		



**DME DME Assessment Results for BNFSH3 path BNFSH\_YARTO**

<b>Flight Check DME Selection</b>						
<b>Distance [NM]</b>	<b>Selected DMEs</b>					<b>Alternate</b>
0.0						
8.6	FLL [IFPA]	PBI [IFPA]				
8.6	FLL [IFPA]	PBI [IFPA]	VKZ [IFPA]			
9.5						
11.8	DHP [IFPA]	PBI [IFPA]				
13.6						
14.9	FLL [IFPA]	DHP [IFPA]				
16.2	FLL [IFPA]	DHP [IFPA]	VKZ [IFPA]			

<b>Inertial Drift Segments</b>			
<b>#</b>	<b>Start Location</b>	<b>End Location</b>	<b>Length [NM]</b>
1	N26° 15' 15.830000000", W080° 01' 18.140000000"	N26° 06' 51.003807357", W080° 03' 13.538687869"	8.5728
2	N26° 05' 53.729773838", W080° 03' 26.612553397"	N26° 03' 42.984075457", W080° 03' 57.113044893"	2.2241
3	N26° 01' 52.872732051", W080° 04' 23.610714473"	N26° 00' 39.464161224", W080° 04' 41.268193025"	1.2483

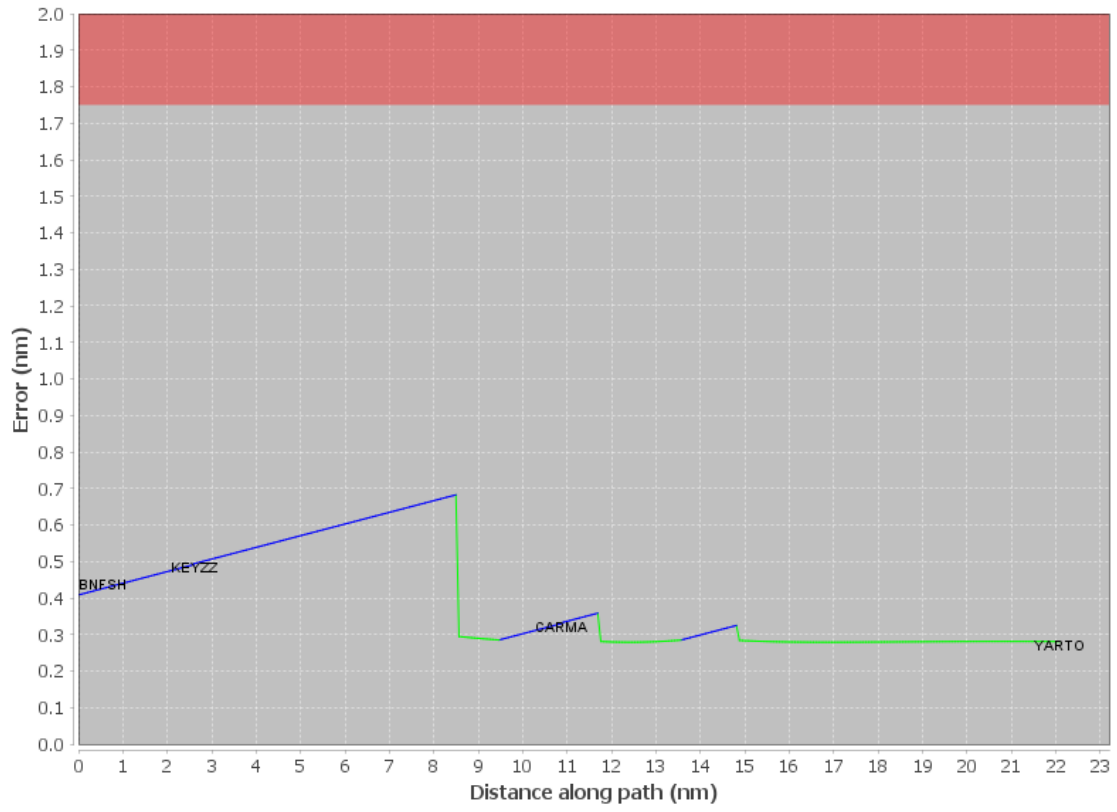
<b>Available DMEs by Waypoints</b>			
<b>Waypoint Before</b>	<b>Waypoint After</b>	<b>DME List</b>	<b>Suggested DMEs</b>
BNFSH	KEYZZ		
KEYZZ	CARMA	VKZ [IFPA], FLL [IFPA], PBI [IFPA]	
CARMA	YARTO	VKZ [IFPA], FLL [IFPA], DHP [IFPA], PBI [IFPA]	

**DME DME Assessment Results for BNFSH3 path BNFSH\_YARTO**

<b>User Data Files</b>								
#	File Name							
None								
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°			Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft			
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°			Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft			
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°			Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft			
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°			Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft			

# DME DME Assessment Results for BNFSH3 path BNFSH\_YARTO

## DME Error



## DME DME Assessment Results for BNFSH3 path GUCCI\_BILZZ

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\FLMP_MIA WORK\K Mia BNFSH3 (RNAV) STAR\K Mia BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\K Mia BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\K Mia [IFPA] BNFSH3 20240716_0936 EDT\GUCCI_BILZZ\K Mia BNFSH3 RNAV STAR GUCCI BILZZ 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
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
GUCCI	WP	N25° 55' 21.910000000", W080° 06' 07.460000000"	8000	VNAV	250	FLY_BY	TF
PRCHE	WP	N25° 43' 30.350000000", W080° 12' 58.320000000"	8000	VNAV	250	FLY_BY	TF
DAHLA	WP	N25° 42' 45.220000000", W080° 16' 35.460000000"	6000	VNAV	250	FLY_BY	TF
BILZZ	WP	N25° 42' 17.820000000", W080° 26' 12.490000000"	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 BNFSH3 path GUCCI\_BILZZ

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:	ZFP,ZGV,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	IFPA	NO	Enabled		
2	FLL	N26° 04' 26.183300000", W080° 09' 59.192100000"	6.0 W	130	H	IFPA	NO	Enabled		
3	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H	IFPA	NO	Enabled		
4	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 W	130	H	IFPA	NO	Disabled		
6	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
7	ZTC	N26° 44' 05.000000000", W077° 22' 45.000000000"	5.0 W	130	H	IFPA	NO	Disabled		

**DME DME Assessment Results for BNFSH3 path GUCCI\_BILZZ**

<b>Flight Check DME Selection</b>						
<b>Distance [NM]</b>	<b>Selected DMEs</b>					<b>Alternate</b>
0.0	FLL [IFPA]	DHP [IFPA]	VKZ [IFPA]			
8.0	FLL [IFPA]	DHP [IFPA]				
13.2	FLL [IFPA]	DHP [IFPA]	VKZ [IFPA]			
13.4	FLL [IFPA]	DHP [IFPA]				
16.1	VKZ [IFPA]	FLL [IFPA]	DHP [IFPA]			
17.7	VKZ [IFPA]	FLL [IFPA]				
23.0	VKZ [IFPA]	DHP [IFPA]	FLL [IFPA]			
24.0	VKZ [IFPA]	FLL [IFPA]				

<b>Inertial Drift Segments</b>			
<b>#</b>	<b>Start Location</b>	<b>End Location</b>	<b>Length [NM]</b>

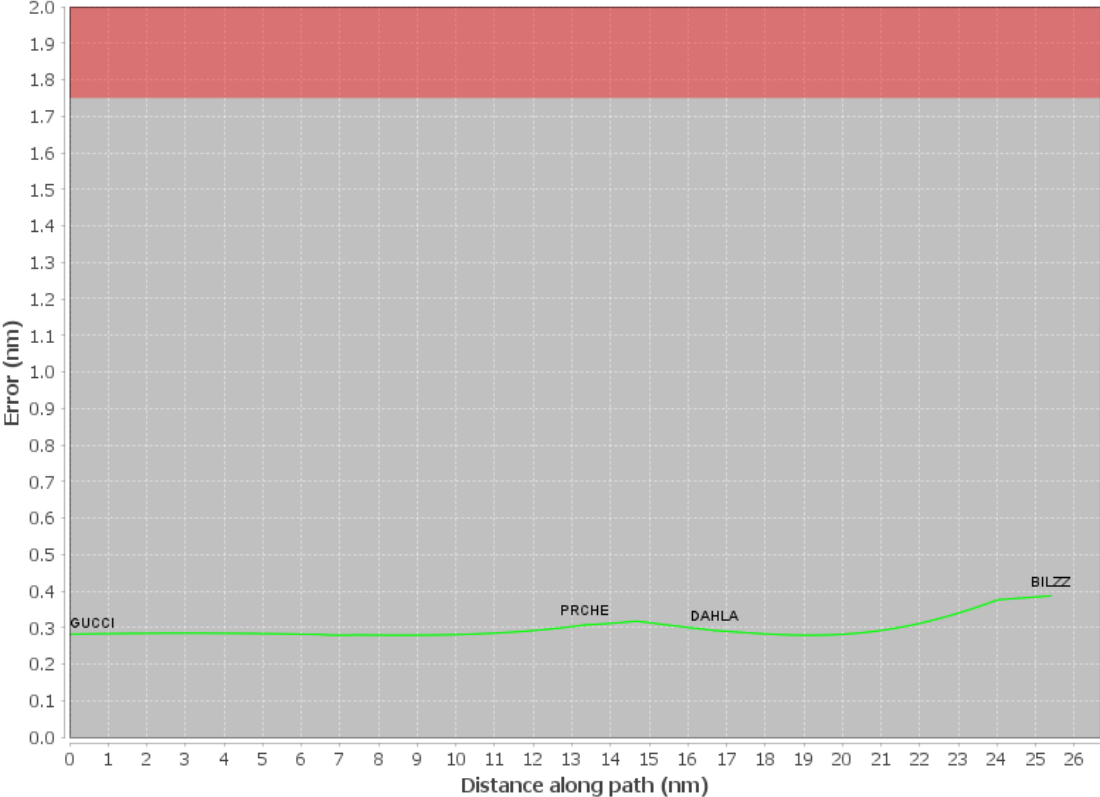
<b>Available DMEs by Waypoints</b>			
<b>Waypoint Before</b>	<b>Waypoint After</b>	<b>DME List</b>	<b>Suggested DMEs</b>
GUCCI	PRCHE	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	
PRCHE	DAHLA	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	
DAHLA	BILZZ	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	

**DME DME Assessment Results for BNFSH3 path GUCCI\_BILZZ**

<b>User Data Files</b>								
#	File Name							
None								
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°			Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft			
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°			Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft			
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°			Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft			
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°			Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft			
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°			Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft			

DME DME Assessment Results for BNFSH3 path GUCCI\_BILZZ

DME Error





## DME DME Assessment Results for BNFSH3 path MDONA\_TUPAC

### 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\FLMP_MIA WORK\K Mia BNFSH3 (RNAV) STAR\K Mia BNFSH3 (RNAV) STAR DME GNSS TEST 12 JUL 2024.tgs
Output File:	C:\Users\Erik J-CTR John\OneDrive - Federal Aviation Administration\Desktop\PROJECT FILES\FLMP_MIA WORK\K Mia BNFSH3 (RNAV) STAR\FOR SUBMITTAL\DME\K Mia [IFPA] BNFSH3 20240716_0936 EDT\MDONA_TUPAC\K Mia BNFSH3 RNAV STAR MDONA TUPAC 20240716_0936 EDT.pdf
Procedure Name:	BNFSH3
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/16/2024 09:36 EDT
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
MDONA	WP	N25° 52' 31.540000000", W080° 17' 24.910000000"	6000	VNAV	250	FLY_BY	TF
TUPAC	WP	N25° 52' 20.040000000", W080° 23' 17.780000000"	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 BNFSH3 path MDONA\_TUPAC

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:	ZFP,ZGV,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	IFPA	NO	Enabled		
2	FLL	N26° 04' 26.183300000", W080° 09' 59.192100000"	6.0 W	130	H	IFPA	NO	Enabled		
3	DHP	N25° 47' 59.865900000", W080° 20' 56.526300000"	4.0 W	130	H	IFPA	NO	Enabled		
4	ZFP	N26° 33' 19.250000000", W078° 41' 52.250000000"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZGV	N25° 15' 27.000000000", W076° 18' 31.000000000"	5.0 W	130	H	IFPA	NO	Disabled		
6	ZQA	N25° 01' 31.800000000", W077° 26' 47.100000000"	6.0 W	130	H	IFPA	NO	Disabled		
7	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	VKZ [IFPA]	DHP [IFPA]	FLL [IFPA]			
0.4	VKZ [IFPA]	FLL [IFPA]				

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

## DME DME Assessment Results for BNFSH3 path MDONA\_TUPAC

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MDONA	TUPAC	VKZ [IFPA], FLL [IFPA], DHP [IFPA]	

### User Data Files

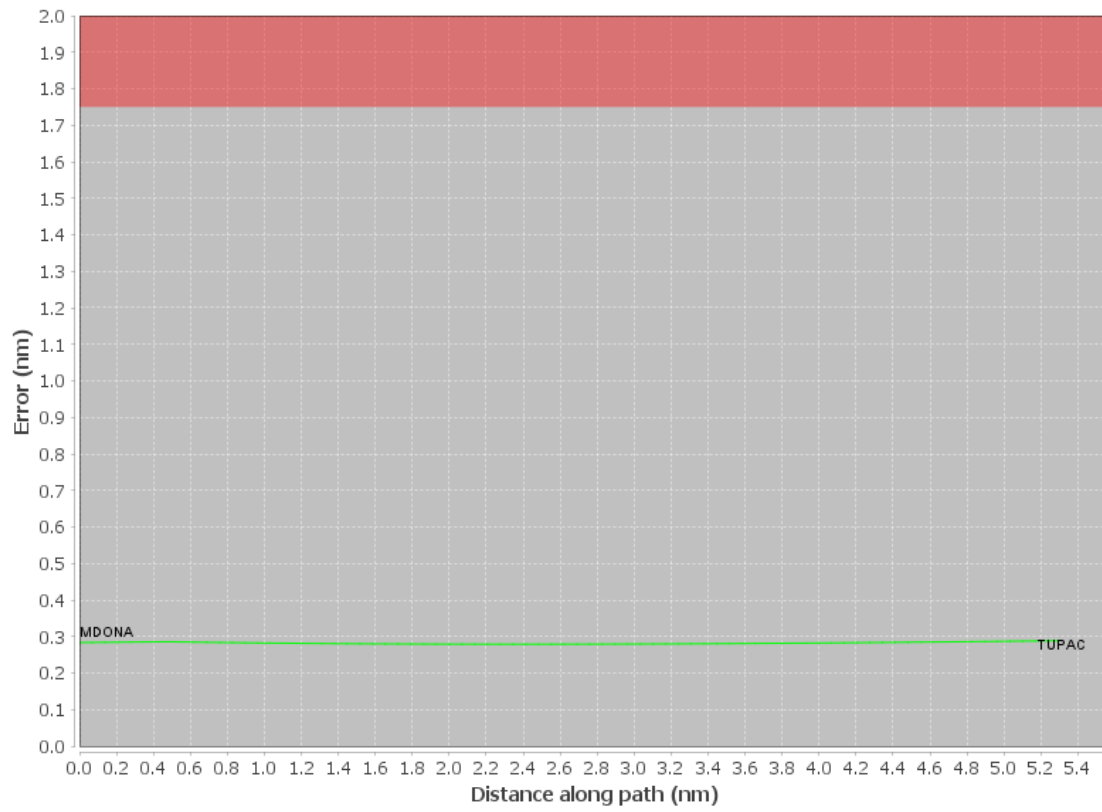
#	File Name
	None

### User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
2	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°				Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft		
3	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
4	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°				Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft		
6	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft		

# DME DME Assessment Results for BNFSH3 path MDONA\_TUPAC

## DME Error



DME ESVs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRG FAA 698166-31 CRG [IFPA]	N30° 20' 19.965100000", W081° 30' 35.738400000"	3.0 W	130	41.9	114.5	CRG FAA 698166-31	
ESV:		Bearing [True]: 77.0° to 137.0° Bearing [Mag]: 80.0° to 140.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
2	OMN FAA 694106-42 OMN [IFPA]	N29° 18' 11.702000000", W081° 06' 45.713700000"	0.0 E	130	24	112.6	OMN FAA 694106-42	
ESV:		Bearing [True]: 350.0° to 175.0° Bearing [Mag]: 350.0° to 175.0°				Arc Distance: Out to 155.0 NM Altitude: 18000.0 to 45000.0 ft		
3	ORL FAA 694096-73 ORL [IFPA]	N28° 32' 33.801600000", W081° 20' 06.053200000"	0.0 E	130	101.6	112.2	ORL FAA 694096-73	
ESV:		Bearing [True]: 55.0° to 75.0° Bearing [Mag]: 55.0° to 75.0°				Arc Distance: Out to 160.0 NM Altitude: 18000.0 to 23000.0 ft		
4	PBI FAA 882483-63 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-63	
ESV:		Bearing [True]: 17.0° to 117.0° Bearing [Mag]: 20.0° to 120.0°				Arc Distance: Out to 160.0 NM Altitude: 17100.0 to 23000.0 ft		
5	PBI FAA 882483-64 PBI [IFPA]	N26° 40' 48.198000000", W080° 05' 11.363500000"	3.0 W	130	15.7	115.7	PBI FAA 882483-64	
ESV:		Bearing [True]: 57.0° to 167.0° Bearing [Mag]: 60.0° to 170.0°				Arc Distance: Out to 86.0 NM Altitude: 5300.0 to 14600.0 ft		
6	TRV FAA 704266-63 TRV [IFPA]	N27° 40' 42.258700000", W080° 29' 23.040000000"	7.0 W	130	18.9	117.3	TRV FAA 704266-63	
ESV:		Bearing [True]: 28.0° to 133.0° Bearing [Mag]: 35.0° to 140.0°				Arc Distance: Out to 156.0 NM Altitude: 17000.0 to 21000.0 ft		